

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117164.D
 Acq On : 19 Sep 2019 00:00
 Operator : HP/JU
 Sample : K4927-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

Manual Integrations
 APPROVED

Jagrut
 9/19/2019 10:42:36 AM

Quant Time: Sep 19 08:21:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	57314	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	217420	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	110673	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	157593	20.00	ng	0.00
76) Chrysene-d12	13.97	240	150690	20.00	ng	0.00
87) Perylene-d12	15.41	264	152917	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	439132	119.62	ng	0.01
7) Phenol-d6	6.47	99	639208	134.73	ng	0.01
23) Nitrobenzene-d5	7.39	82	385025	93.05	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	131940	142.64	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	556642	78.64	ng	0.00
79) Terphenyl-d14	12.91	244	713788	88.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	46857	30.503	ng	98
3) Pyridine	3.35	79	108964	25.916	ng	96
4) n-Nitrosodimethylamine	3.30	42	56253	38.986	ng	88
6) Aniline	6.49	93	136087	22.279	ng	# 58
8) 2-Chlorophenol	6.62	128	193301	48.809	ng	96
9) Benzaldehyde	6.37	77	111306	49.101	ng	98
10) Phenol	6.48	94	269400	51.509	ng	98
11) bis(2-Chloroethyl)ether	6.56	93	178372	46.403	ng	96
12) 1,3-Dichlorobenzene	6.76	146	203075	45.696	ng	99
13) 1,4-Dichlorobenzene	6.84	146	207362	45.723	ng	99
14) 1,2-Dichlorobenzene	6.99	146	190825	45.193	ng	96
15) Benzyl Alcohol	6.97	79	182066	50.043	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.10	45	164776	43.387	ng	89
17) 2-Methylphenol	7.08	107	155047	46.713	ng	93
18) Hexachloroethane	7.33	117	76733	43.981	ng	95
19) n-Nitroso-di-n-propylamine	7.24	70	144563	50.040	ng	98
20) 3+4-Methylphenols	7.24	107	207905	50.288	ng	# 76
22) Acetophenone	7.23	105	292301	52.915	ng	98
24) Nitrobenzene	7.40	77	210255	51.452	ng	100
25) Isophorone	7.65	82	365435	49.878	ng	99
26) 2-Nitrophenol	7.72	139	96557	55.010	ng	95
27) 2,4-Dimethylphenol	7.76	122	165633	59.505	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	220104	48.760	ng	99
29) 2,4-Dichlorophenol	7.96	162	155093	53.176	ng	98
30) 1,2,4-Trichlorobenzene	8.05	180	154374	48.992	ng	98
31) Naphthalene	8.13	128	523184	50.034	ng	99
32) Benzoic acid	7.90	122	74492	37.168	ng	95
33) 4-Chloroaniline	8.18	127	32639	7.038	ng	96
34) Hexachlorobutadiene	8.24	225	85987	48.099	ng	99
35) Caprolactam	8.55	113	47594m	48.211	ng	
36) 4-Chloro-3-methylphenol	8.66	107	183028	53.819	ng	95
37) 2-Methylnaphthalene	8.82	142	372847	52.951	ng	99
38) 1-Methylnaphthalene	8.91	142	295154	44.756	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	134109	46.926	ng	98

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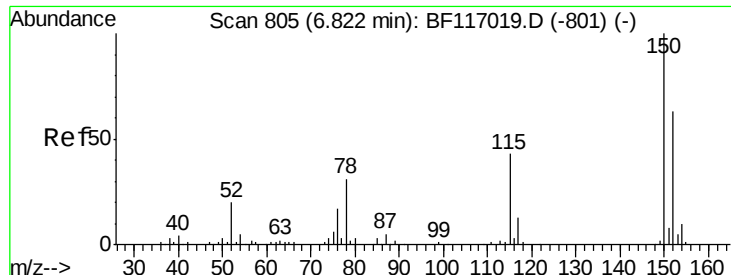
Manual Integrations
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	114335	89.478	nq	99
43) 2,4,6-Trichlorophenol	9.09	196	86999	44.858	nq	100
44) 2,4,5-Trichlorophenol	9.14	196	93994	45.361	nq	99
46) 1,1'-Biphenyl	9.27	154	428028	49.305	nq	98
47) 2-Chloronaphthalene	9.30	162	333729	48.710	nq	98
48) 2-Nitroaniline	9.40	65	108468	49.358	nq	92
49) Acenaphthylene	9.72	152	505074	49.210	nq	99
50) Dimethylphthalate	9.57	163	481080	61.392	nq	98
51) 2,6-Dinitrotoluene	9.64	165	89978	56.378	nq	93
52) Acenaphthene	9.89	154	295584	48.583	nq	99
53) 3-Nitroaniline	9.81	138	39903	19.816	nq	100
54) 2,4-Dinitrophenol	9.92	184	52100	76.106	nq	97
55) Dibenzofuran	10.06	168	445469	49.625	nq	96
56) 4-Nitrophenol	9.98	139	119322	91.430	nq	91
57) 2,4-Dinitrotoluene	10.05	165	113155	54.620	nq	94
58) Fluorene	10.40	166	394233	54.520	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	80019	50.463	nq	# 98
60) Diethylphthalate	10.27	149	404404	52.456	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	165689	52.959	nq	94
62) 4-Nitroaniline	10.43	138	101556	48.496	nq	94
63) Azobenzene	10.55	77	405218	51.463	nq	97
65) 4,6-Dinitro-2-methylphenol	10.46	198	45009	60.570	nq	88
66) n-Nitrosodiphenylamine	10.51	169	338938	62.275	nq	98
67) 4-Bromophenyl-phenylether	10.87	248	96498	59.959	nq	91
68) Hexachlorobenzene	10.95	284	102490	58.223	nq	96
69) Atrazine	11.03	200	94801	101.293	nq	97
70) Pentachlorophenol	11.14	266	86429	104.745	nq	98
71) Phenanthrene	11.36	178	460997	51.501	nq	100
72) Anthracene	11.41	178	483562	52.915	nq	99
73) Carbazole	11.56	167	490998	56.604	nq	99
74) Di-n-butylphthalate	11.89	149	652457	63.219	nq	100
75) Fluoranthene	12.54	202	660371	71.800	nq	99
77) Benzidine	12.66	184	203623	41.949	nq	98
78) Pyrene	12.77	202	670536	53.032	nq	99
80) Butylbenzylphthalate	13.38	149	306050	51.226	nq	97
81) Benzo(a)anthracene	13.96	228	492306	48.899	nq	100
82) 3,3'-Dichlorobenzidine	13.92	252	69383	21.386	nq	97
83) Chrysene	14.00	228	491835	50.088	nq	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	398228	51.696	nq	99
85) Di-n-octyl phthalate	14.54	149	626924	51.708	nq	99
86) Indeno(1,2,3-cd)pyrene	16.86	276	482642	67.372	nq	98
88) Benzo(b)fluoranthene	15.00	252	419033	45.239	nq	99
89) Benzo(k)fluoranthene	15.03	252	396454	45.183	nq	98
90) Benzo(a)pyrene	15.36	252	419213	51.575	nq	98
91) Dibenzo(a,h)anthracene	16.87	278	395401	61.064	nq	99
92) Benzo(g,h,i)perylene	17.29	276	405937	62.912	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

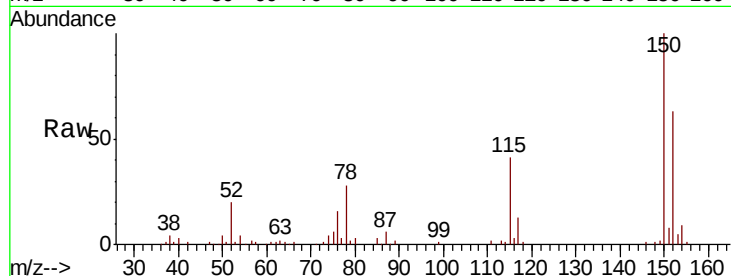
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
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SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	127.5	191.3
115	64.4	55.0	82.4

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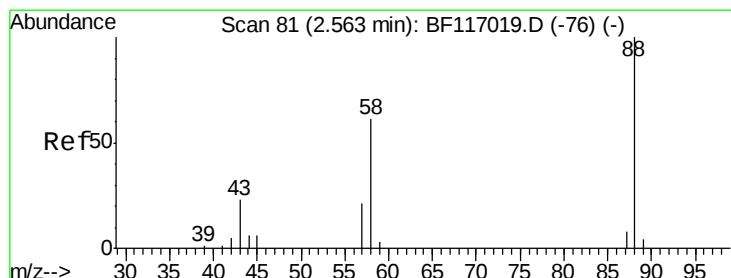
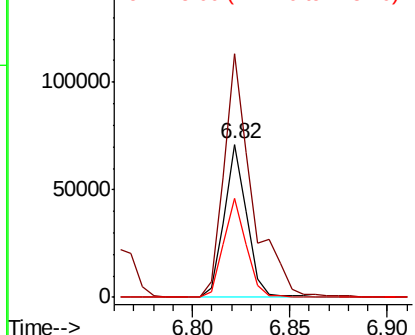
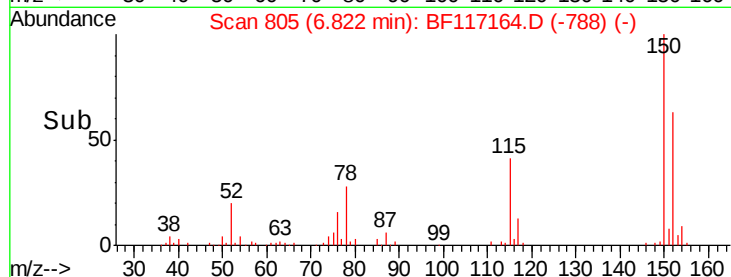


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

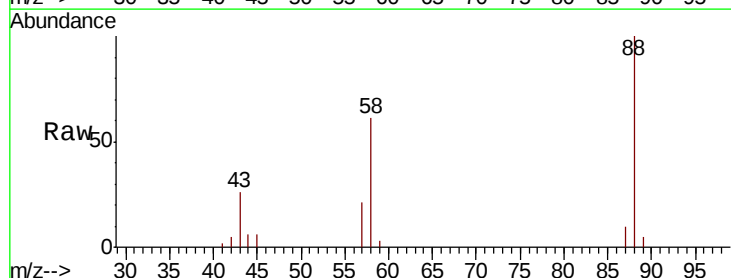
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 30.503 ng
RT: 2.60 min Scan# 87
Delta R.T. 0.04 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	61.0	49.3	73.9
43	25.7	18.8	28.2

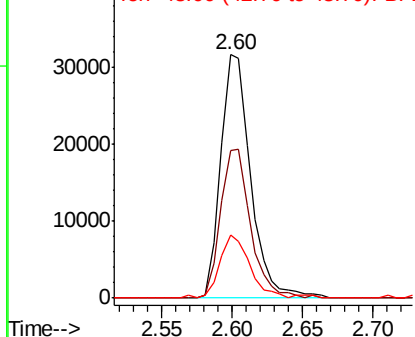
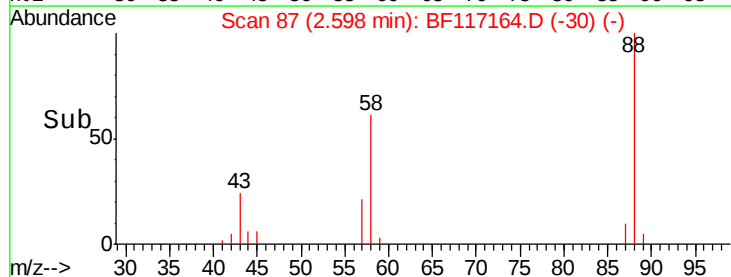


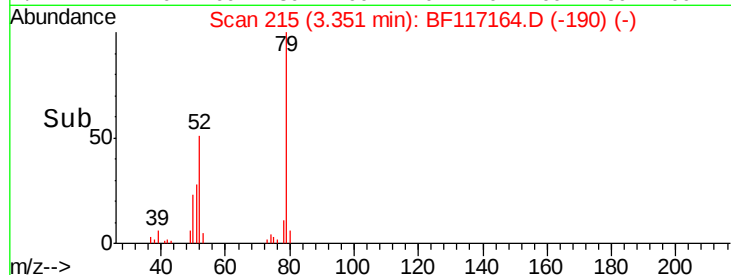
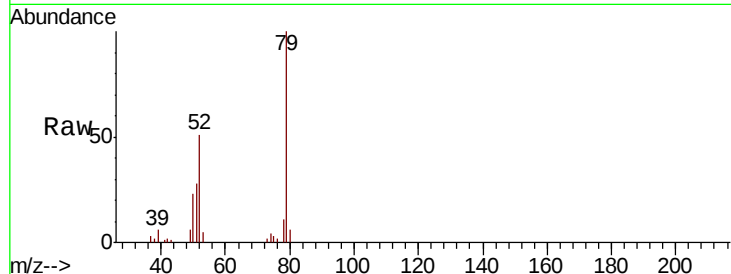
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





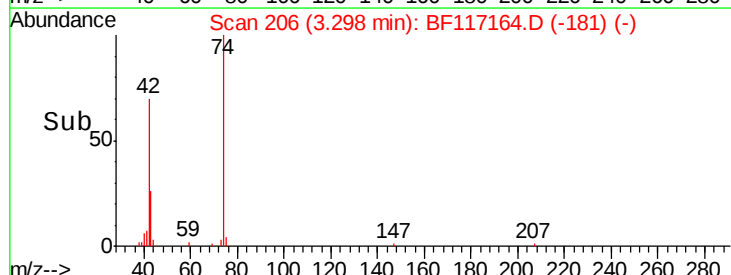
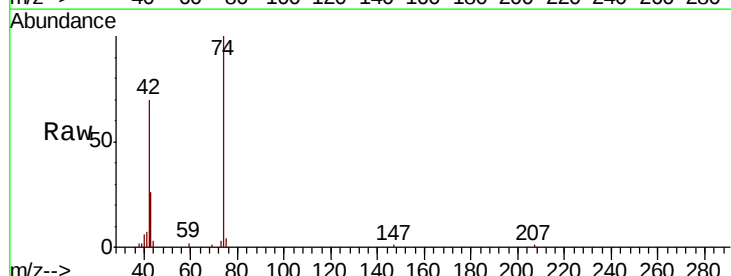
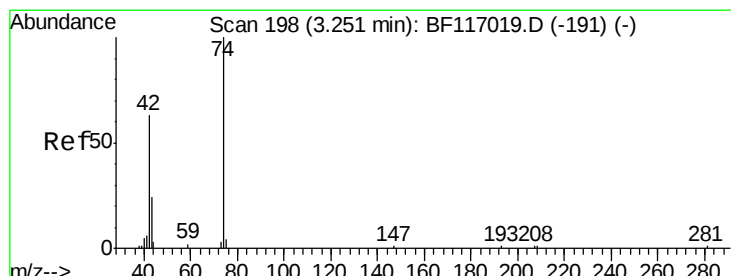
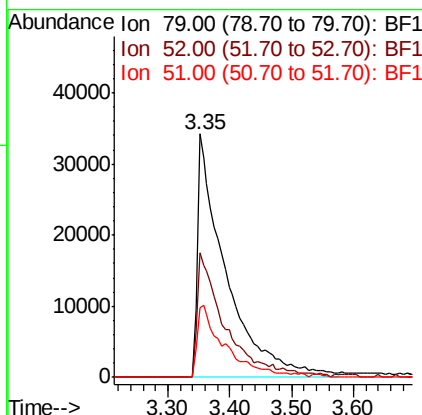
#3
 Pvridine
 Concen: 25.916 ng
 RT: 3.35 min Scan# 215
 Delta R.T. 0.05 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tot Ion:	79	Resp:	108964
Ion Ratio	Lower	Upper	
79	100		
52	51.4	43.5	65.3
51	28.4	21.8	32.6

Instrument :
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 ClientSampleId :
 SOIL-COMP-1MSD

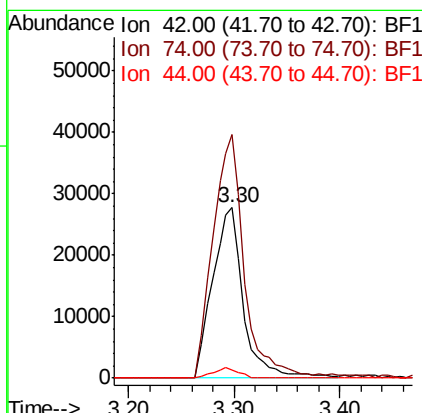
Manual Integrations
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#4
 n-Nitrosodimethylamine
 Concen: 38.986 ng
 RT: 3.30 min Scan# 206
 Delta R.T. 0.05 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion:	42	Resp:	56253
Ion Ratio	Lower	Upper	
42	100		
74	142.8	127.1	190.7
44	4.6	4.3	6.5





#5

2-Fluorophenol

Concen: 119.621 ng

RT: 5.45 min Scan# 572

Delta R.T. 0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

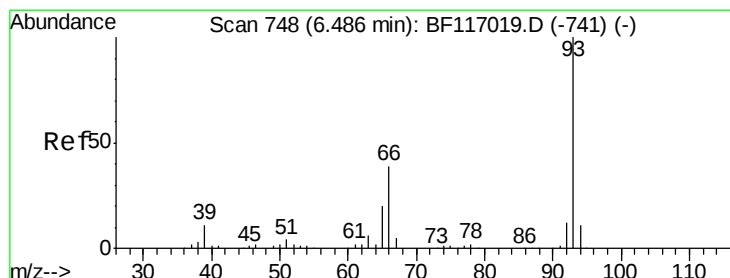
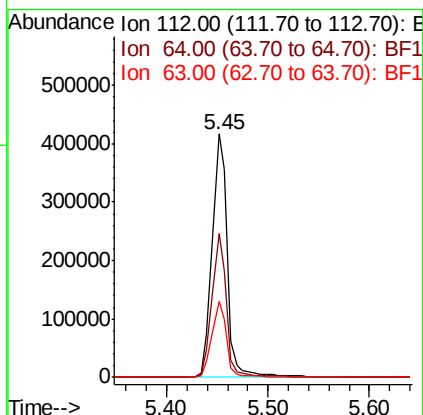
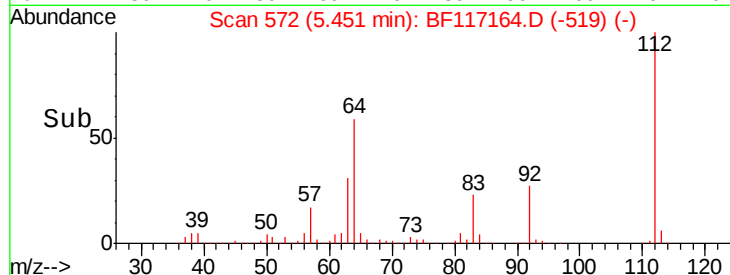
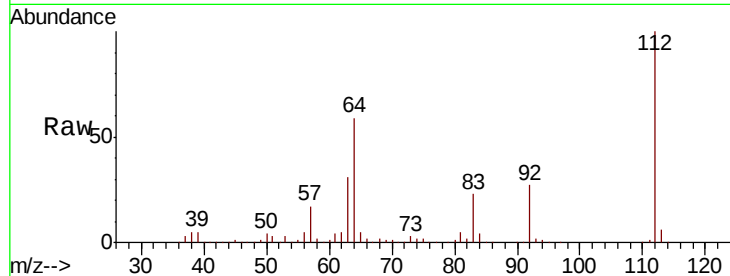
ClientSampleId :

SOIL-COMP-1MSD

Tot Ion:	112	Resp:	439132
Ion Ratio	Lower	Upper	
112	100		
64	59.2	45.7	68.5
63	31.3	24.9	37.3

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#6

Aniline

Concen: 22.279 ng

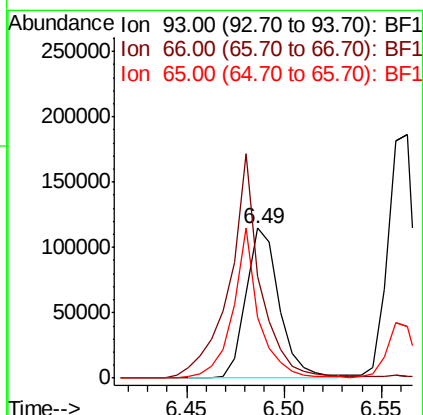
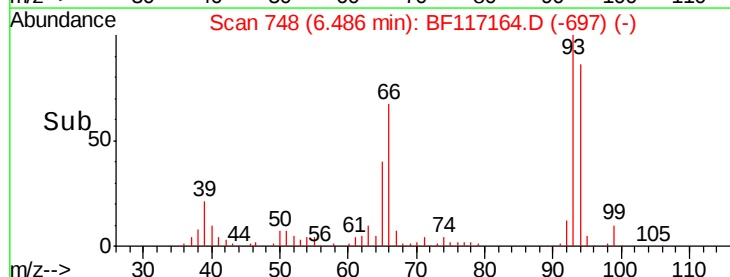
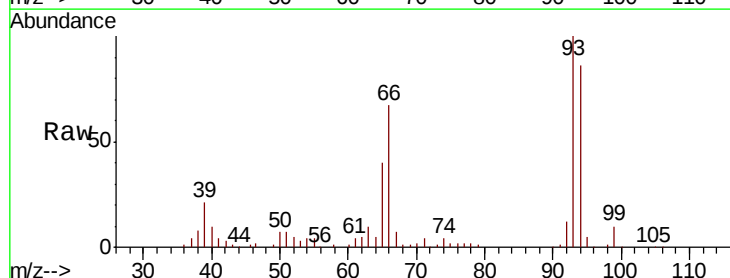
RT: 6.49 min Scan# 748

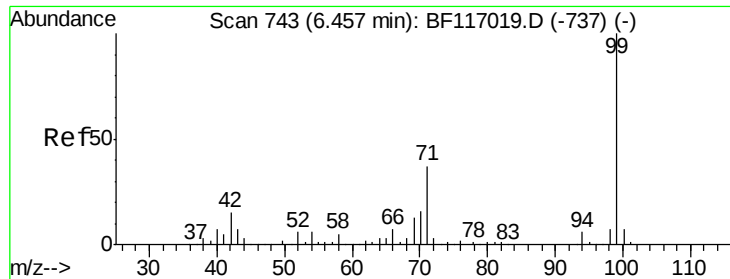
Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Tgt Ion:	93	Resp:	136087
Ion Ratio	Lower	Upper	
93	100		
66	67.4	32.6	49.0#
65	40.4	16.7	25.1#





#7

Phenol-d6

Concen: 134.732 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

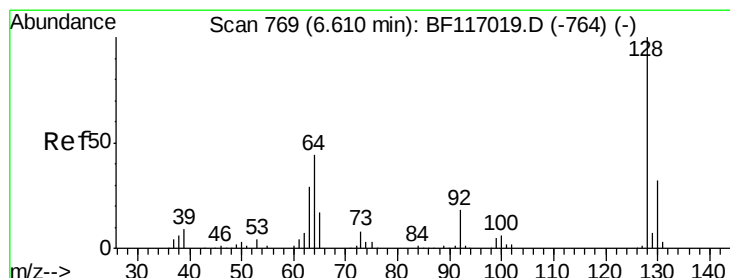
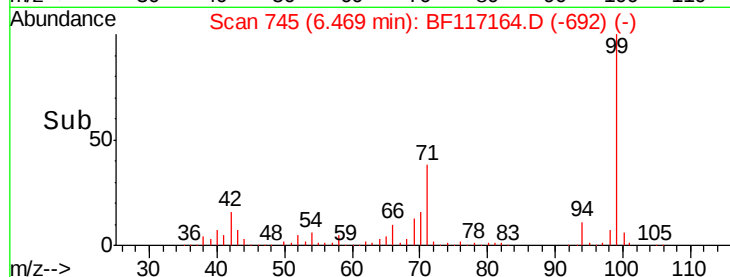
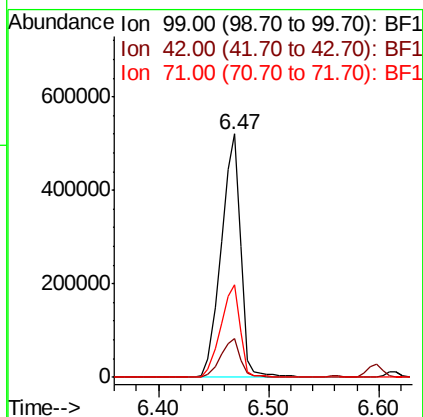
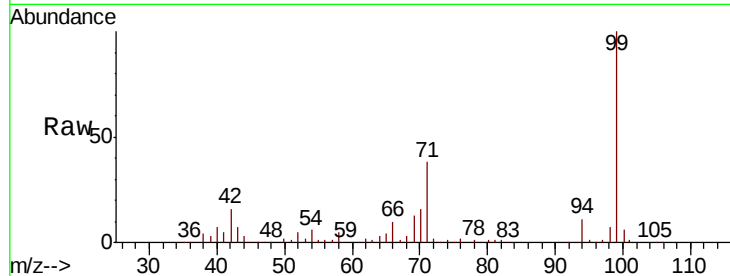
ClientSampleId :

SOIL-COMP-1MSD

Tot Ion:	99	Resp:	639208
Ion Ratio	Lower	Upper	
99	100		
42	15.8	12.2	18.2
71	38.2	29.8	44.8

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#8

2-Chlorophenol

Concen: 48.809 ng

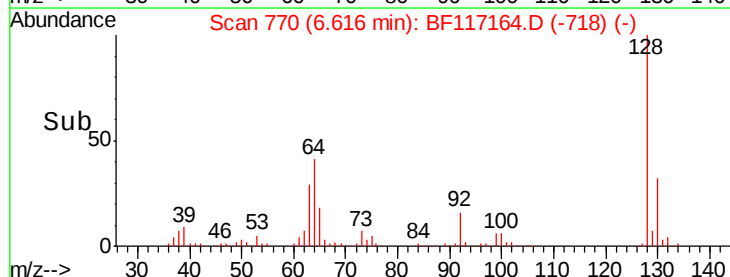
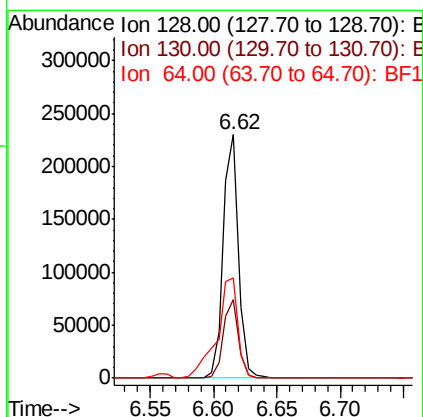
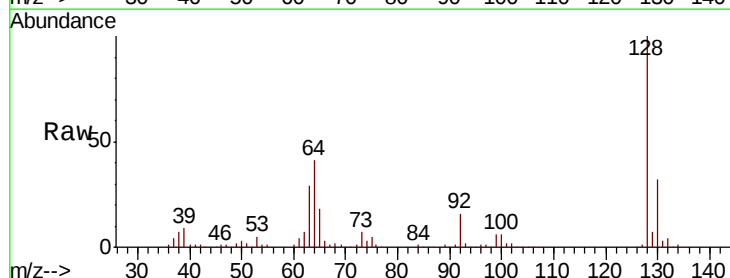
RT: 6.62 min Scan# 770

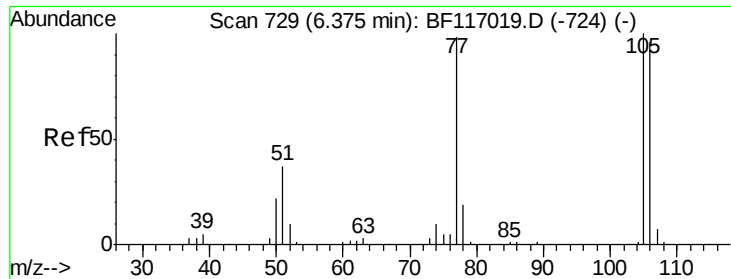
Delta R.T. 0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Tgt Ion:	128	Resp:	193301
Ion Ratio	Lower	Upper	
128	100		
130	32.3	11.8	51.8
64	41.3	25.0	65.0





#9

Benzaldehyde

Concen: 49.101 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-1MSD

Tot Ion: 77 Resp: 111306

Ion Ratio Lower Upper

77 100

105 99.7 81.8 121.8

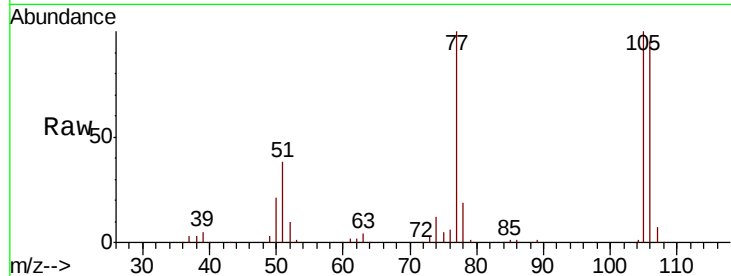
106 95.0 77.3 117.3

Manual Integrations

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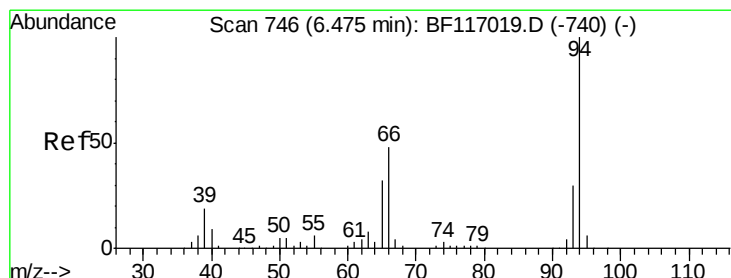
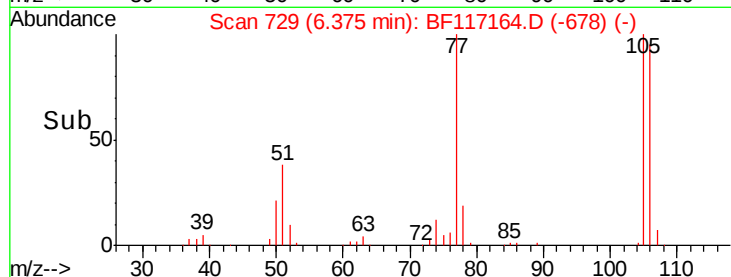
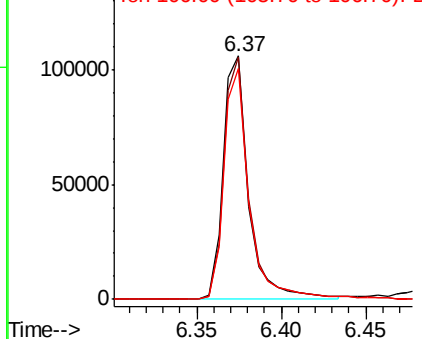
9/19/2019 10:42:36 AM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 51.509 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

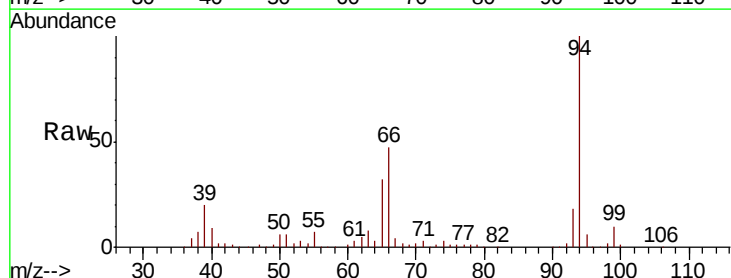
Tgt Ion: 94 Resp: 269400

Ion Ratio Lower Upper

94 100

65 31.7 12.5 52.5

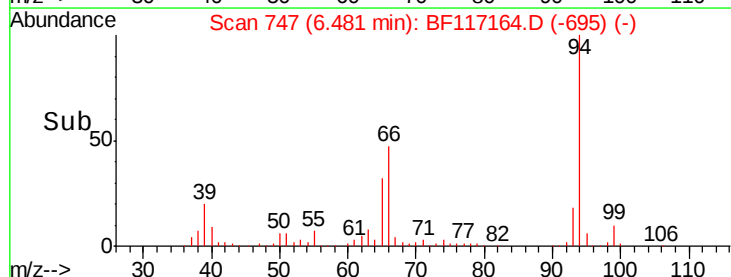
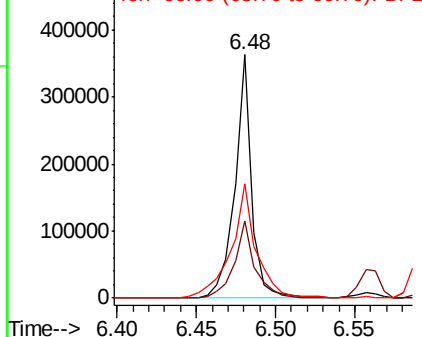
66 47.2 28.9 68.9

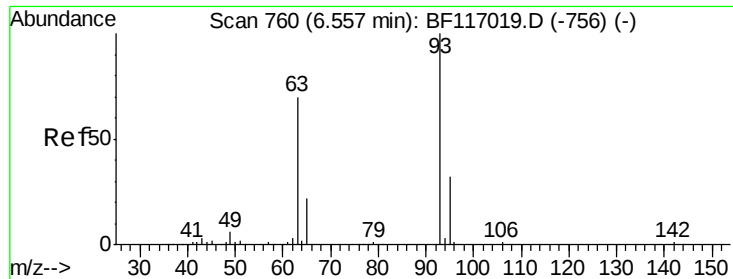


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





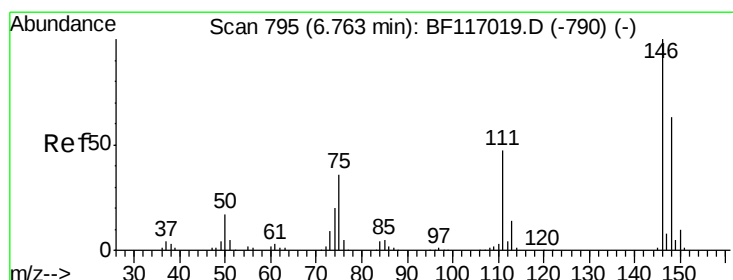
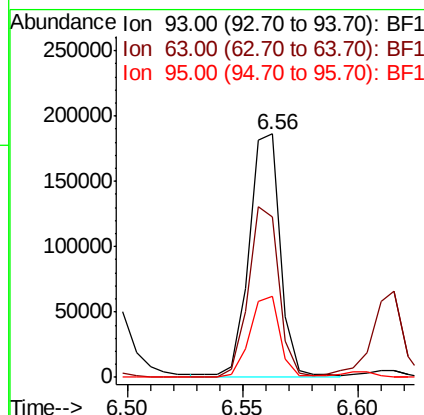
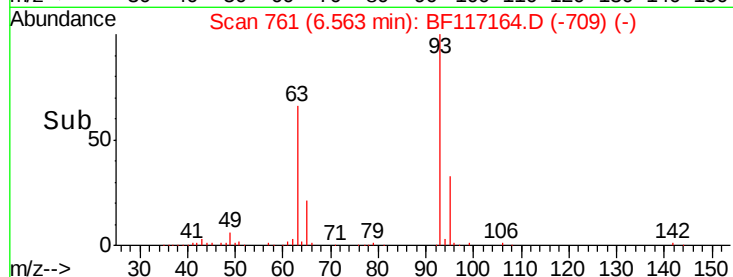
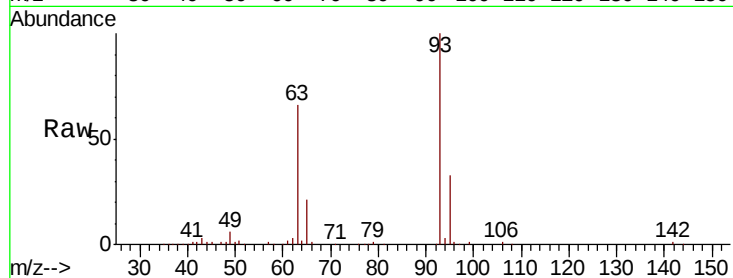
#11
bis(2-Chloroethyl)ether
Concen: 46.403 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion:	93	Resp:	178372
Ion Ratio	Lower	Upper	
93	100		
63	65.8	49.3	89.3
95	33.3	11.5	51.5

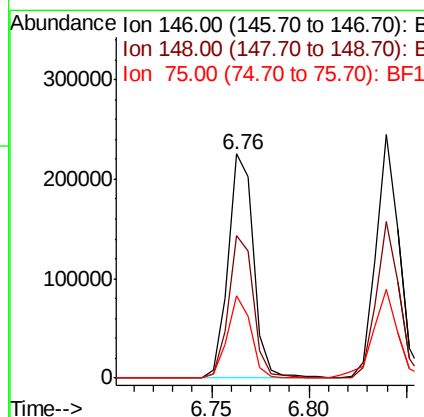
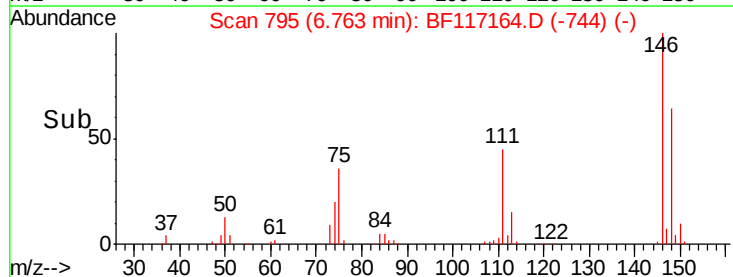
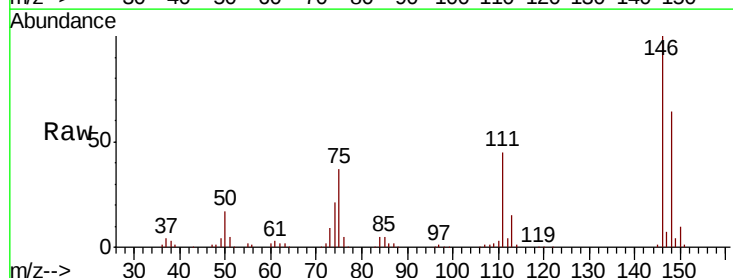
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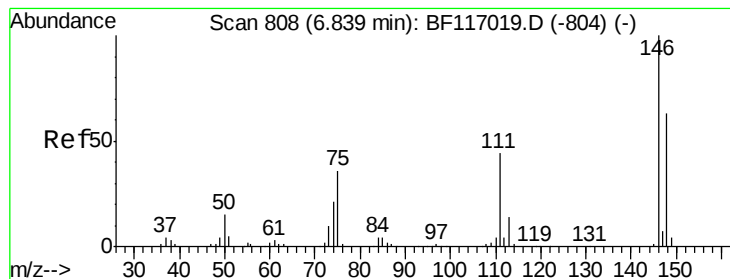
Jagrut
9/19/2019 10:42:36 AM



#12
1,3-Dichlorobenzene
Concen: 45.696 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion:	146	Resp:	203075
Ion Ratio	Lower	Upper	
146	100		
148	63.8	50.8	76.2
75	36.7	28.7	43.1





#13

1,4-Dichlorobenzene

Concen: 45.723 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

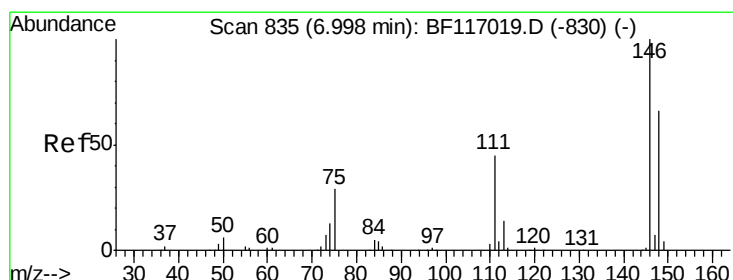
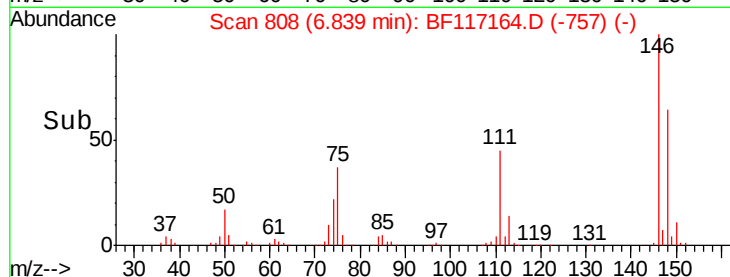
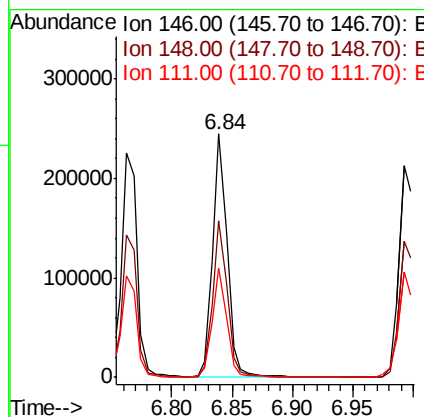
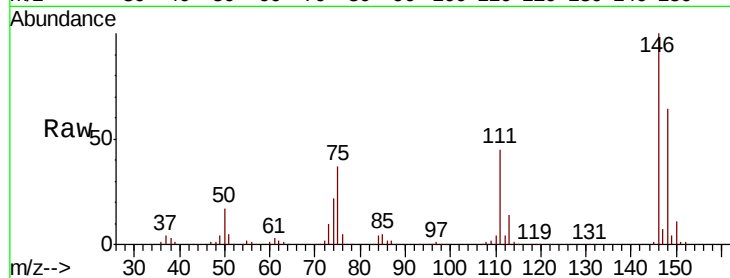
ClientSampleId :

SOIL-COMP-1MSD

Tot Ion:	146	Resp:	207362
Ion Ratio	Lower	Upper	
146	100		
148	64.2	50.6	76.0
111	44.7	35.0	52.6

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#14

1,2-Dichlorobenzene

Concen: 45.193 ng

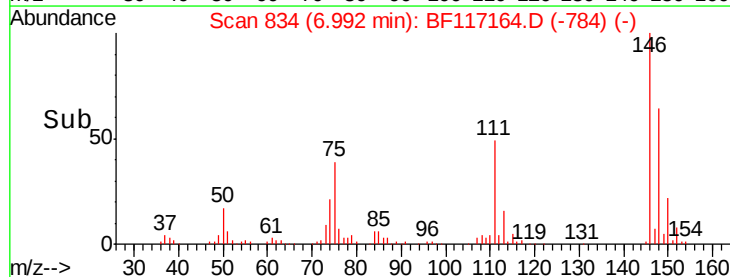
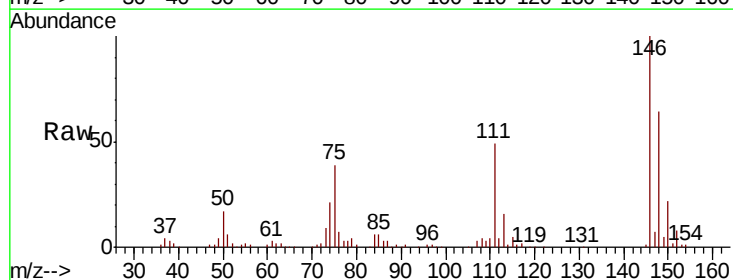
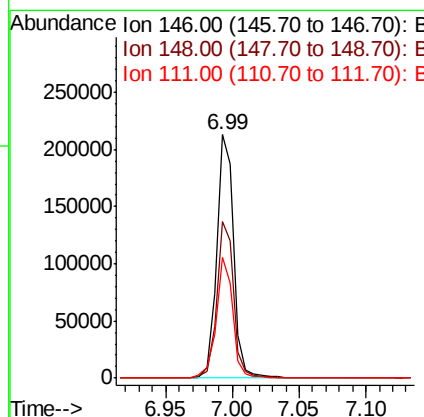
RT: 6.99 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Tgt Ion:	146	Resp:	190825
Ion Ratio	Lower	Upper	
146	100		
148	64.1	52.6	78.8
111	49.5	36.2	54.2





#15

Benzyl Alcohol

Concen: 50.043 ng

RT: 6.97 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

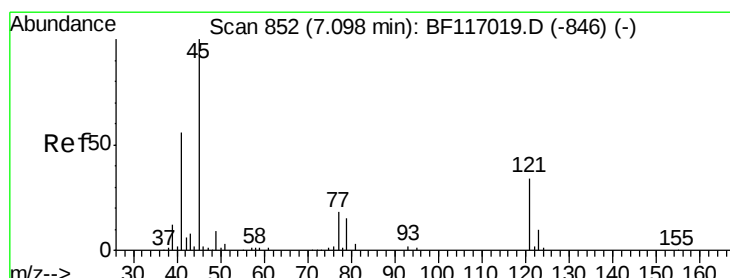
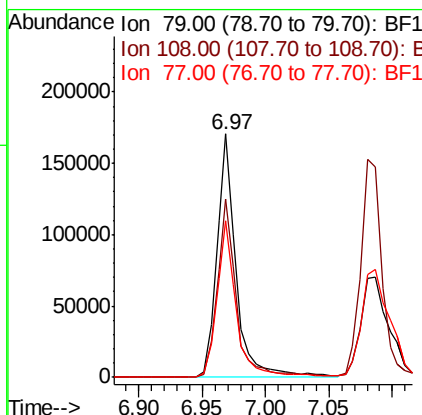
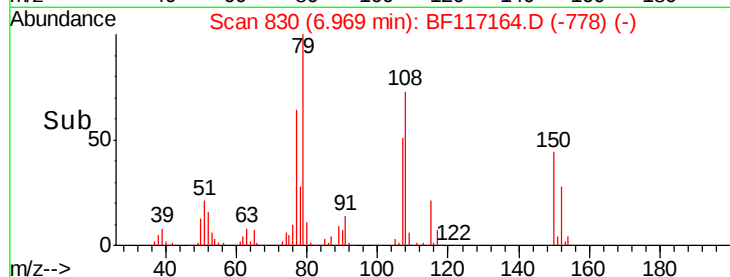
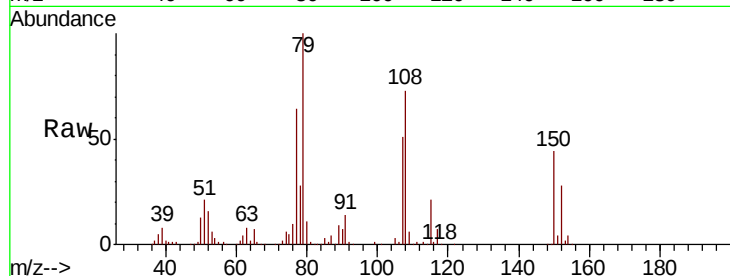
ClientSampleId :

SOIL-COMP-1MSD

Tot Ion:	79	Resp:	182066
Ion Ratio	Lower	Upper	
79	100		
108	73.4	59.4	89.0
77	64.5	50.2	75.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 43.387 ng

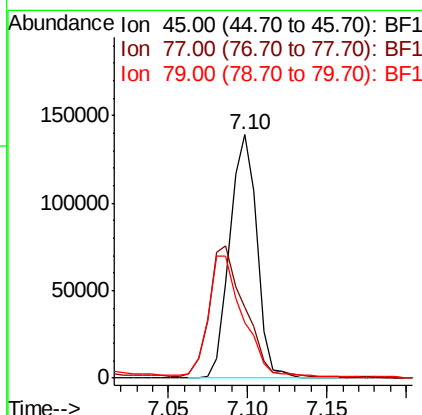
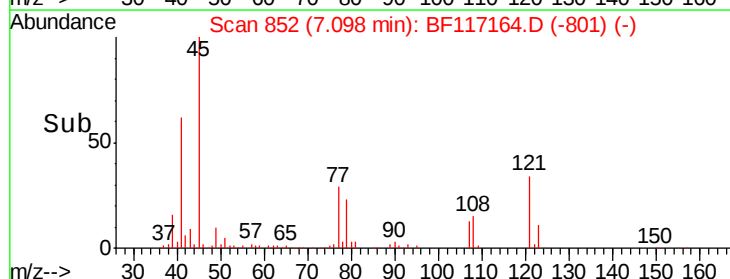
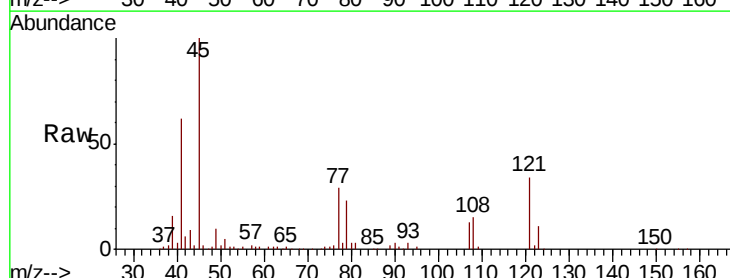
RT: 7.10 min Scan# 852

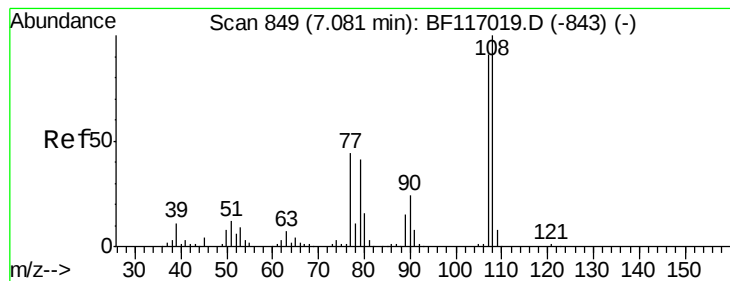
Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Tgt Ion:	45	Resp:	164776
Ion Ratio	Lower	Upper	
45	100		
77	28.9	2.7	42.7
79	22.8	0.0	38.9





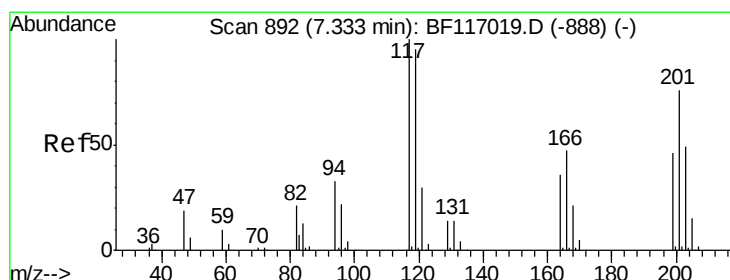
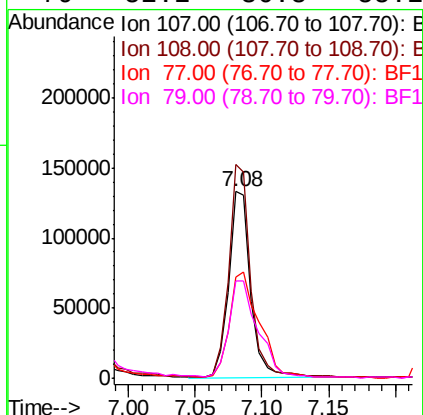
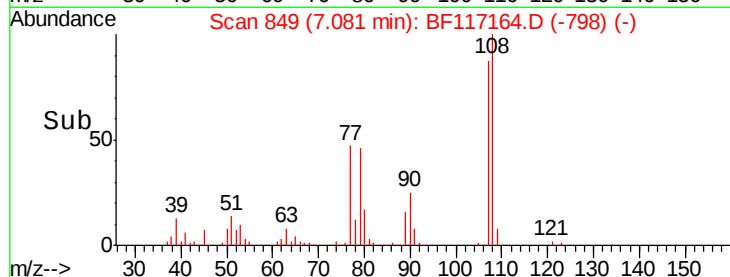
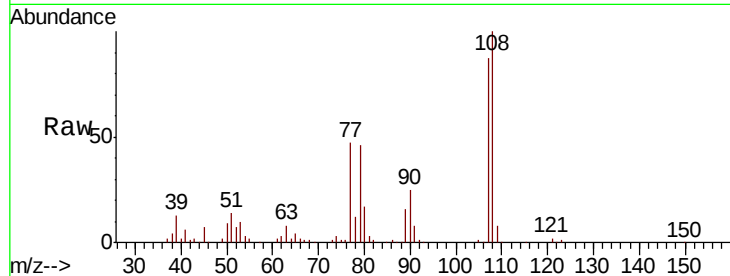
#17
2-Methylphenol
Concen: 46.713 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion:	107	Resp:	155047
Ion Ratio	Lower	Upper	
107	100		
108	114.4	87.7	131.5
77	53.9	38.6	58.0
79	52.2	36.8	55.2

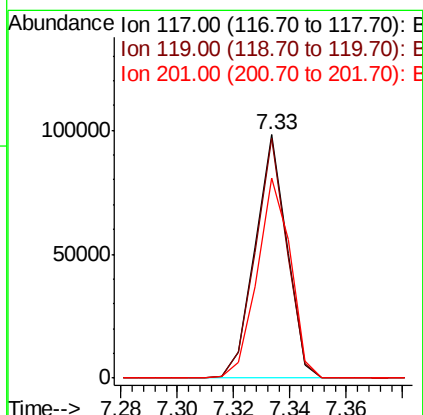
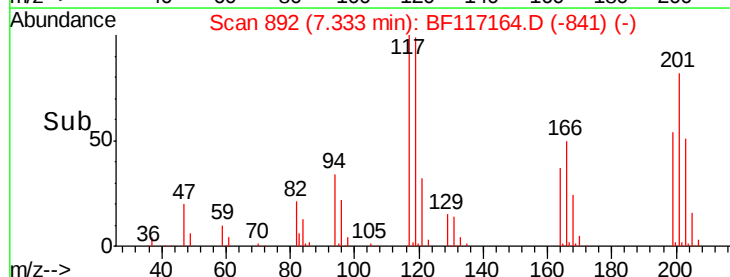
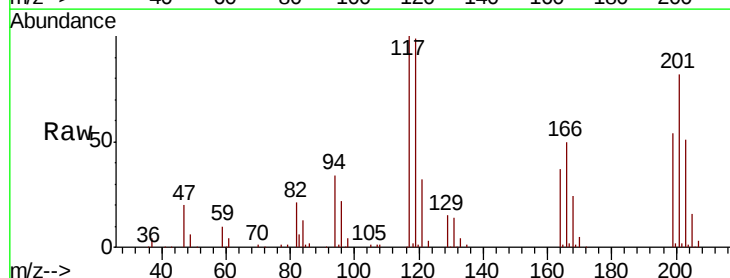
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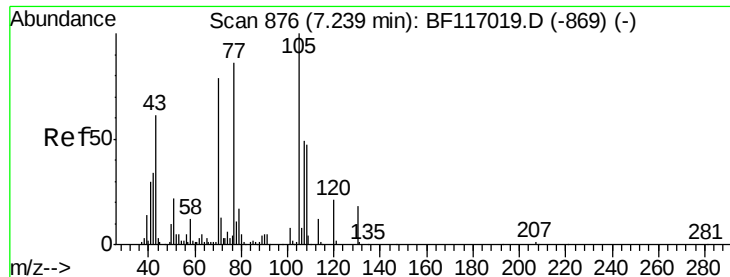
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#18
Hexachloroethane
Concen: 43.981 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion:	117	Resp:	76733
Ion Ratio	Lower	Upper	
117	100		
119	98.7	75.8	113.8
201	82.4	60.9	91.3





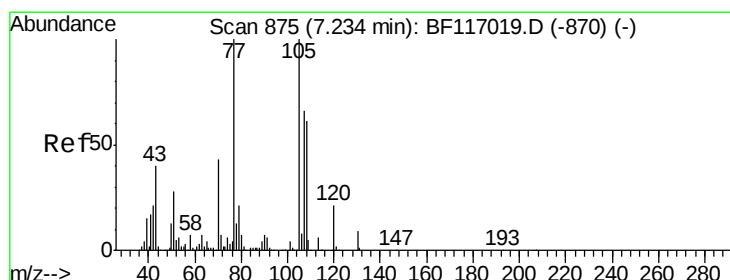
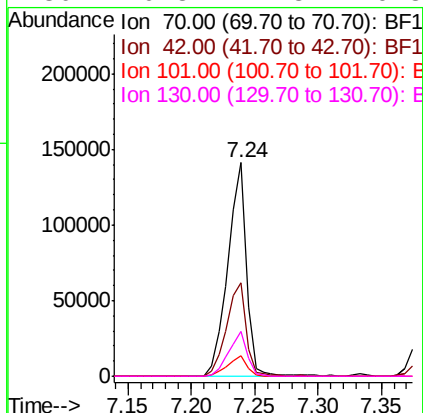
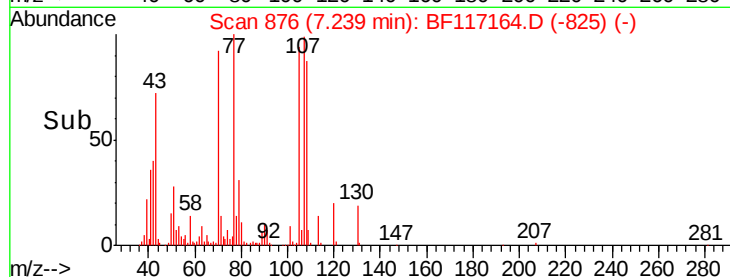
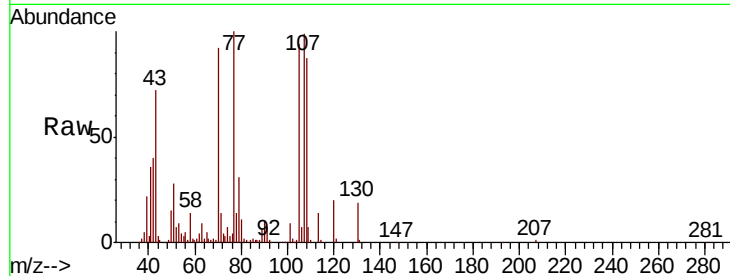
#19
n-Nitroso-di-n-propylamine
Concen: 50.040 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	43.8	34.0	51.0
101	9.7	7.8	11.6
130	20.8	17.8	26.8

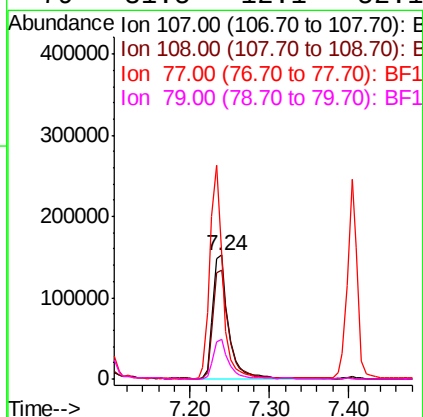
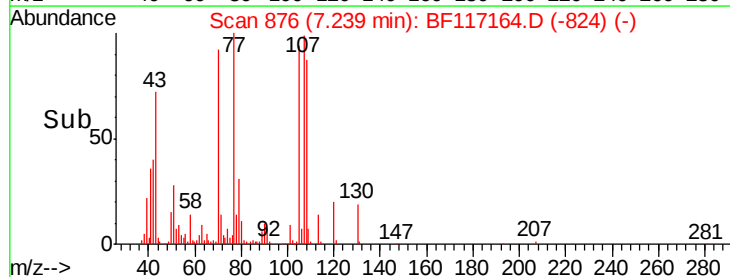
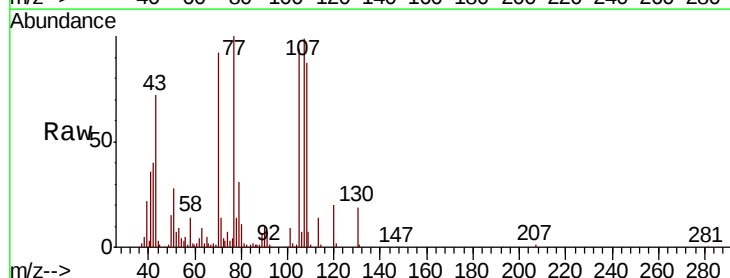
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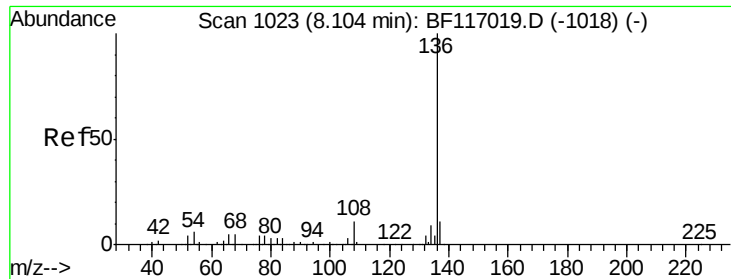
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#20
3+4-Methylphenols
Concen: 50.288 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.7	72.6	112.6
77	100.5	132.1	172.1#
79	31.5	12.1	52.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117164.D

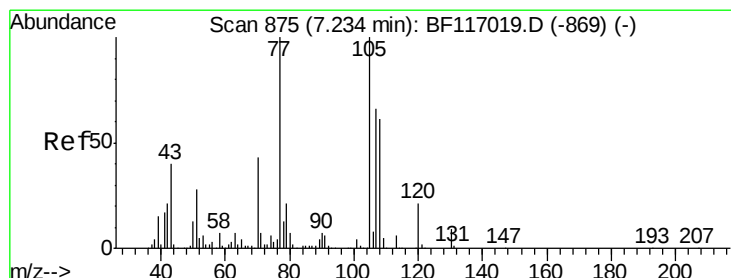
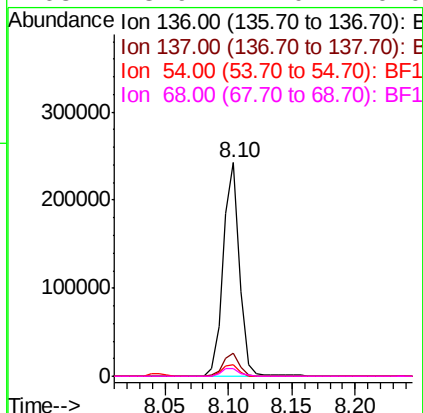
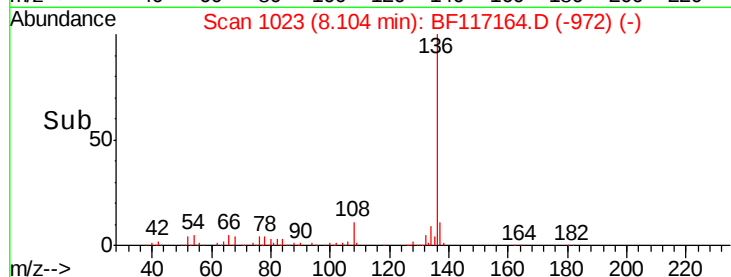
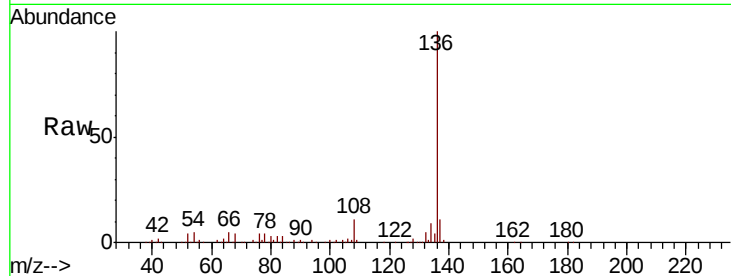
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		217420		
137	10.6		9.0	13.4	
54	5.3		4.5	6.7	
68	3.9		4.0	6.0	

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#22

Acetophenone

Concen: 52.915 ng

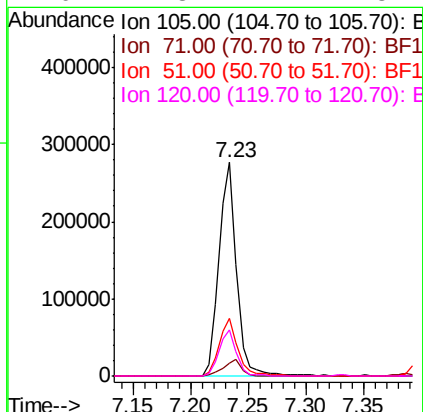
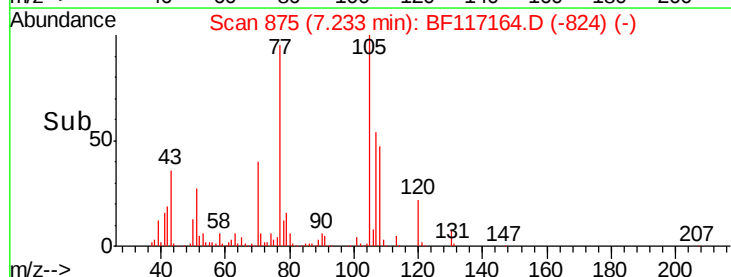
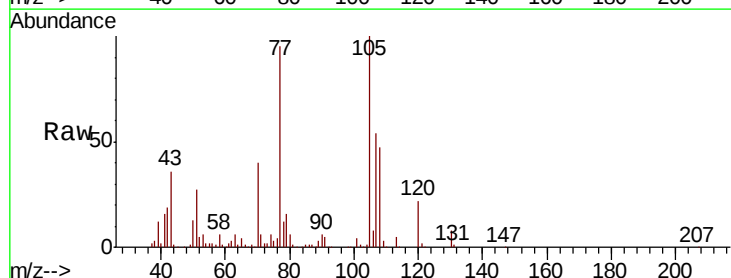
RT: 7.23 min Scan# 875

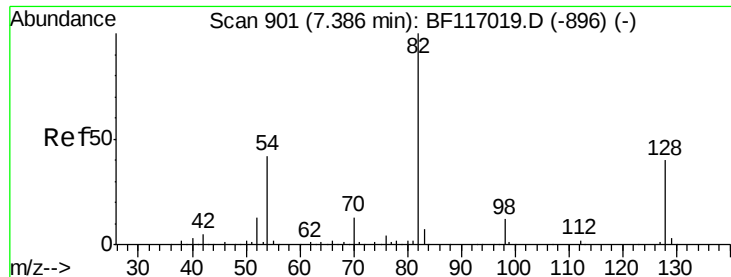
Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		292301		
71	5.9		5.7	8.5	
51	26.7		22.1	33.1	
120	21.8		17.1	25.7	





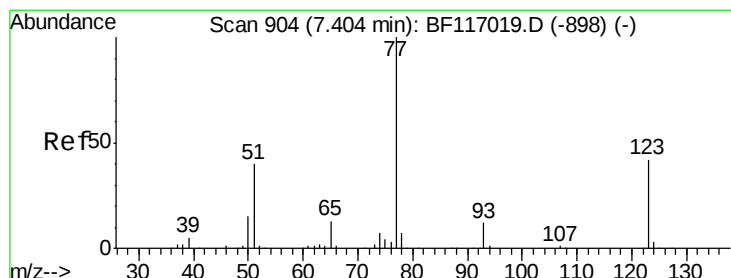
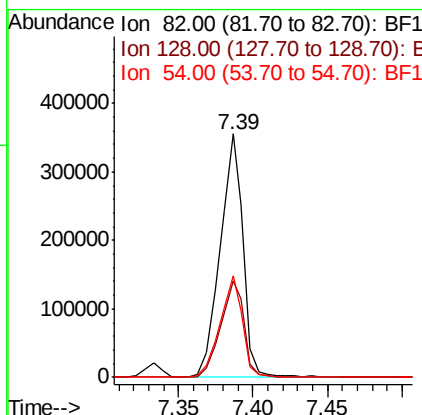
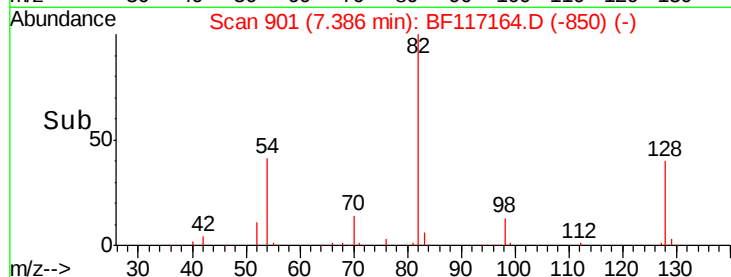
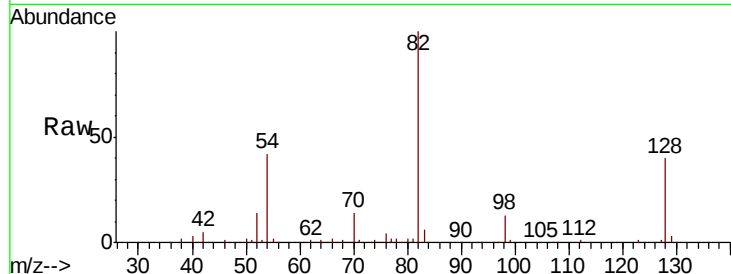
#23
 Nitrobenzene-d5
 Concen: 93.046 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	385025		
128	39.5		32.3	48.5
54	41.9		33.3	49.9

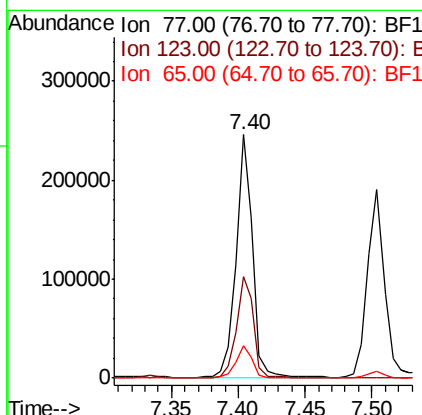
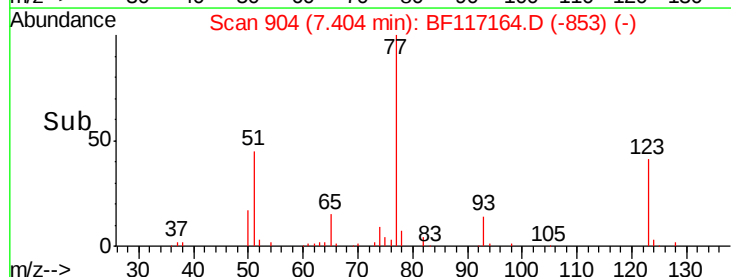
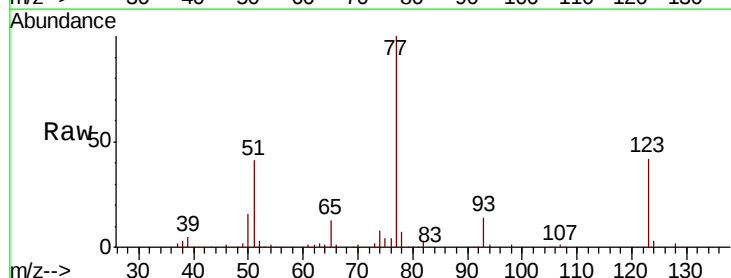
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#24
 Nitrobenzene
 Concen: 51.452 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	210255		
123	41.6		33.5	50.3
65	13.2		10.5	15.7





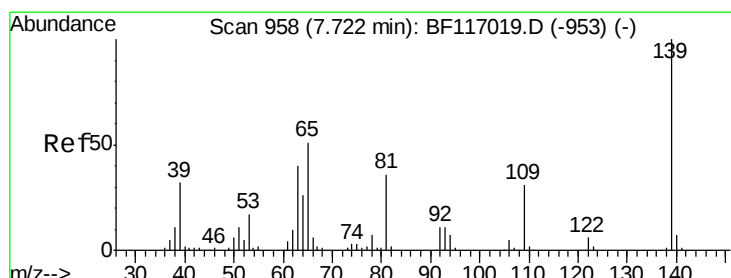
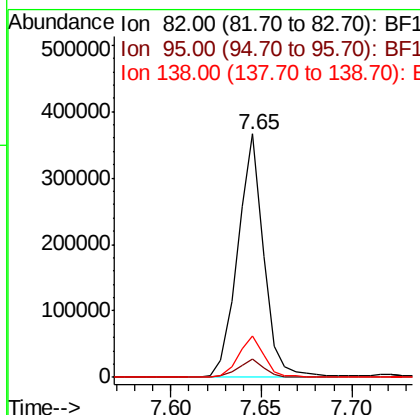
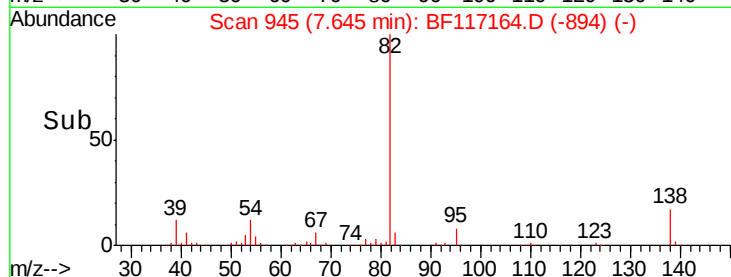
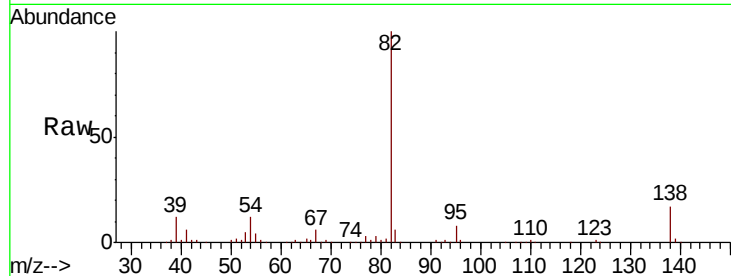
#25
Isophorone
Concen: 49.878 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	365435		
95	7.6		5.8	8.6
138	17.2		13.5	20.3

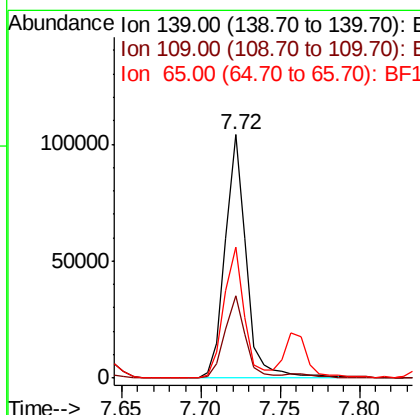
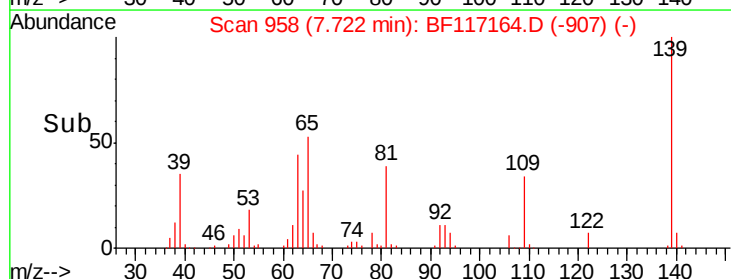
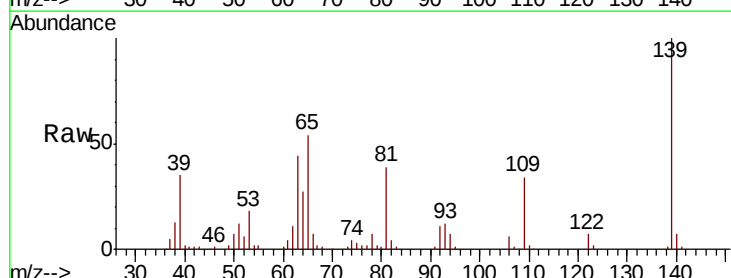
Manual Integrations
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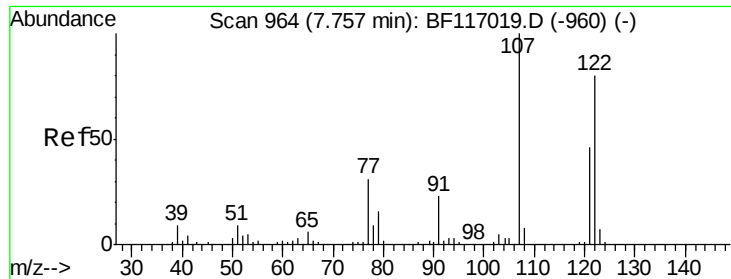
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#26
2-Nitrophenol
Concen: 55.010 ng
RT: 7.72 min Scan# 958
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	96557		
109	33.7		24.6	36.8
65	54.0		40.9	61.3





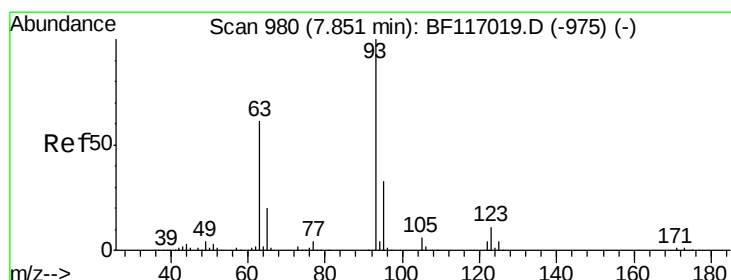
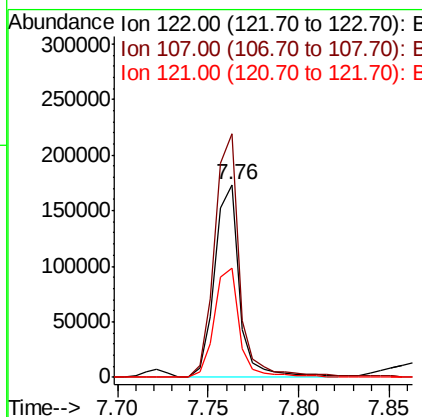
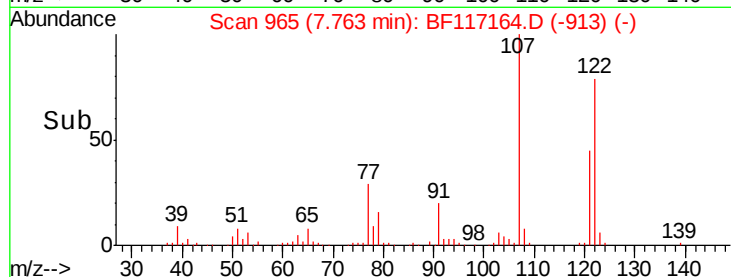
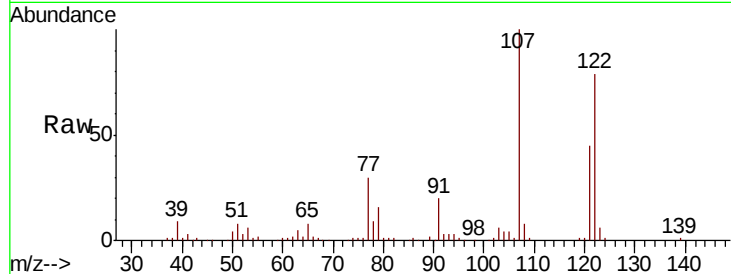
#27
 2,4-Dimethylphenol
 Concen: 59.505 ng
 RT: 7.76 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	165633		
107	126.4	98.9	148.3	
121	56.8	45.3	67.9	

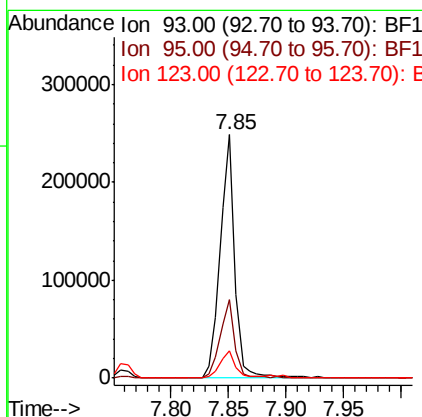
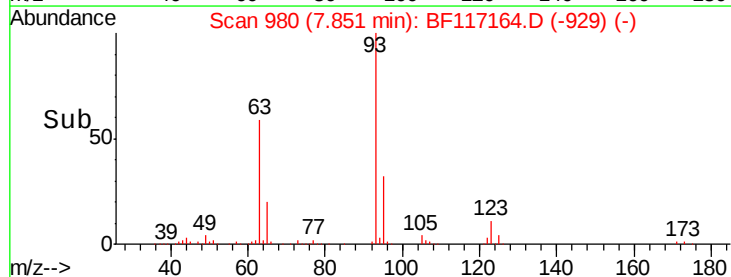
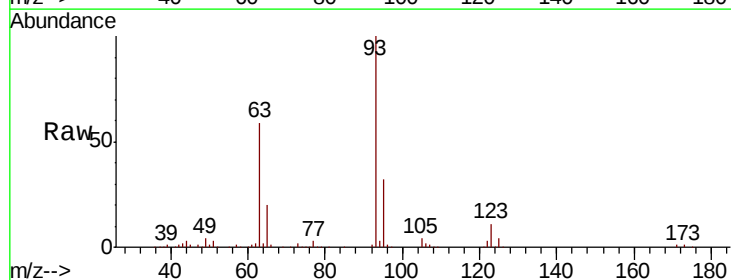
Manual Integrations
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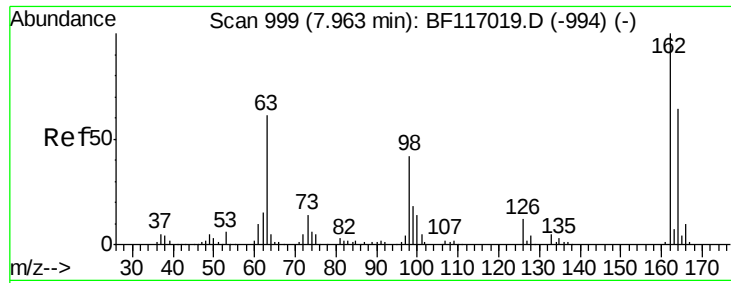
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 9/19/2019 10:42:36 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 48.760 ng
 RT: 7.85 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	220104		
95	32.0	26.2	39.4	
123	11.1	9.0	13.6	





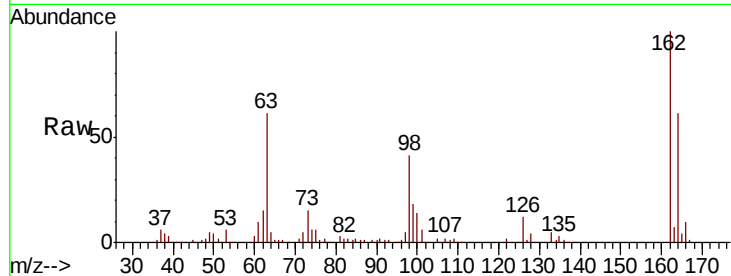
#29
 2,4-Dichlorophenol
 Concen: 53.176 ng
 RT: 7.96 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

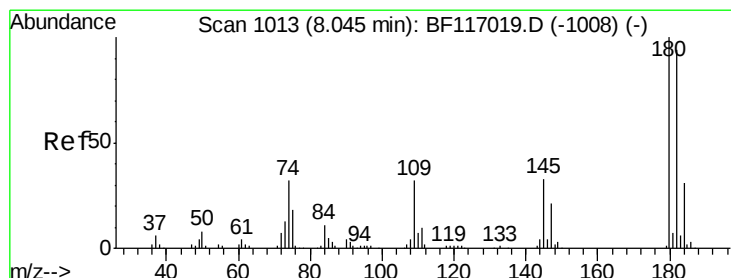
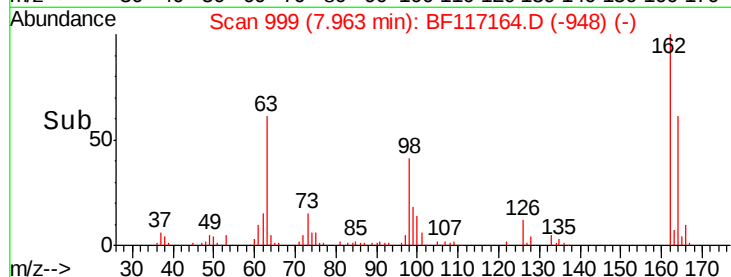
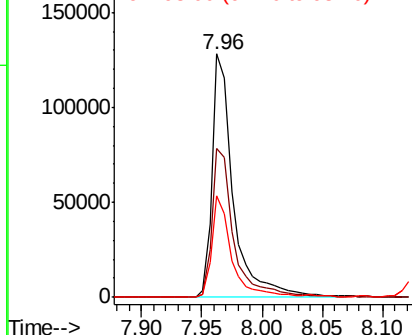
Tot Ion:	162	Resp:	155093
Ion Ratio	Lower	Upper	
162	100		
164	61.3	43.8	83.8
98	41.5	22.1	62.1

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 9/19/2019 10:42:36 AM

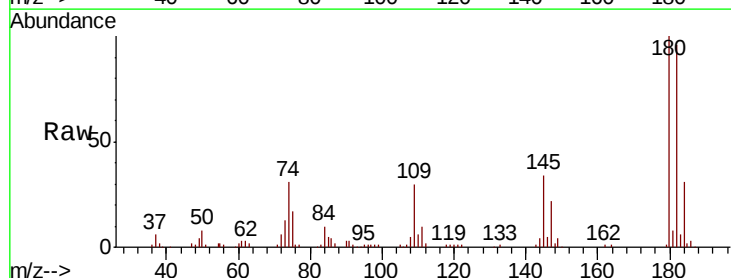


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

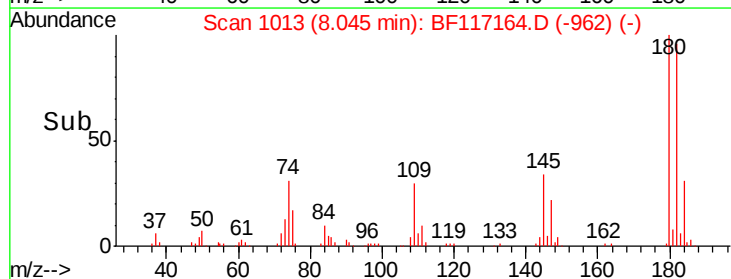
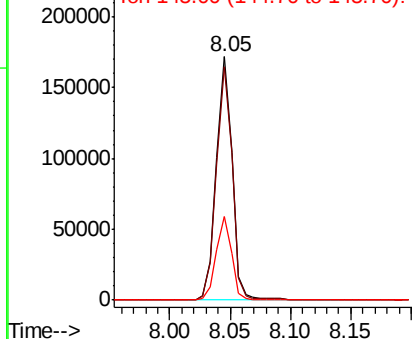


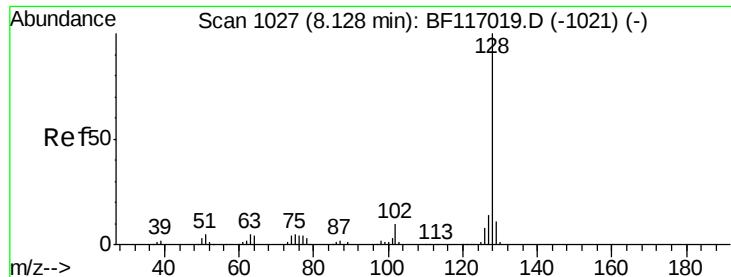
#30
 1,2,4-Trichlorobenzene
 Concen: 48.992 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion:	180	Resp:	154374
Ion Ratio	Lower	Upper	
180	100		
182	95.8	75.4	113.0
145	34.3	26.7	40.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





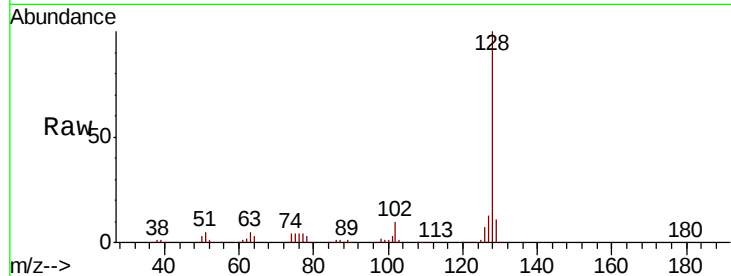
#31
Naphthalene
Concen: 50.034 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.8	16.2

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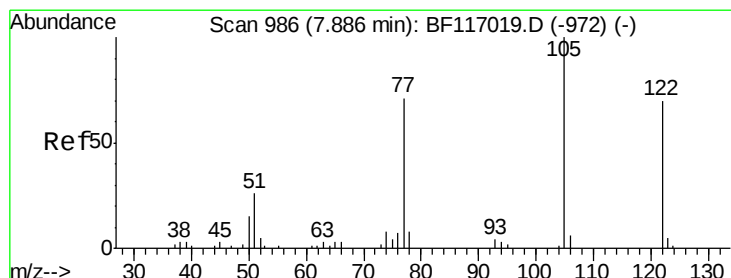
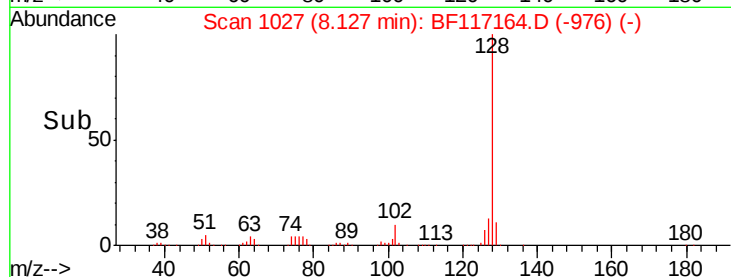
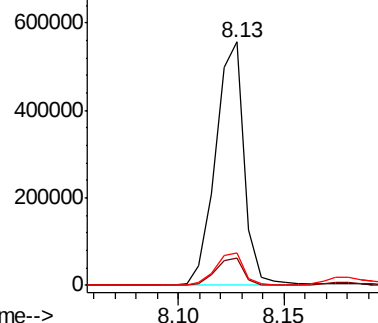


Abundance

Ion 128.00 (127.70 to 128.70): E

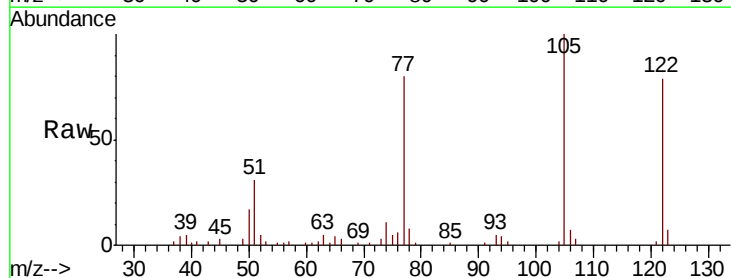
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 37.168 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	126.8	114.8	154.8
77	101.2	78.7	118.7

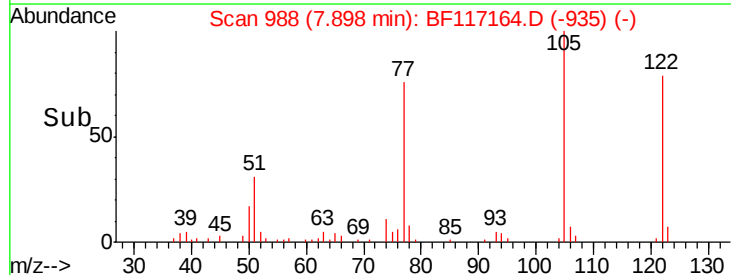
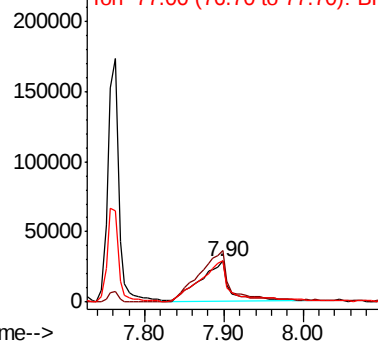


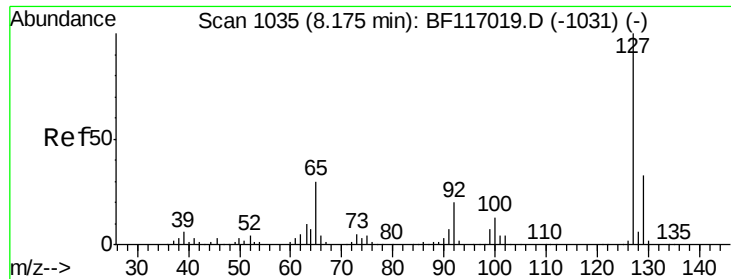
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





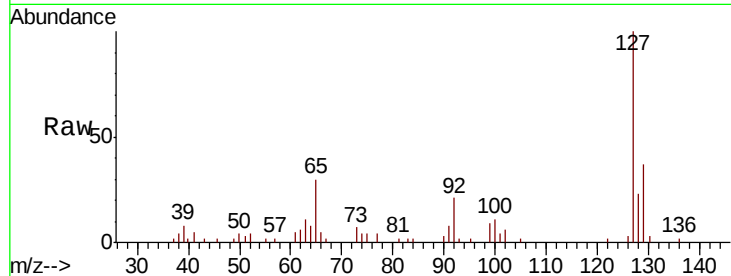
#33
4-Chloroaniline
Concen: 7.038 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	37.4	26.2	39.2
65	30.4	23.5	35.3
92	20.9	15.9	23.9

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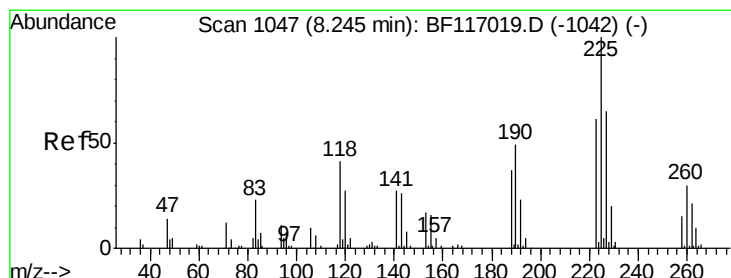
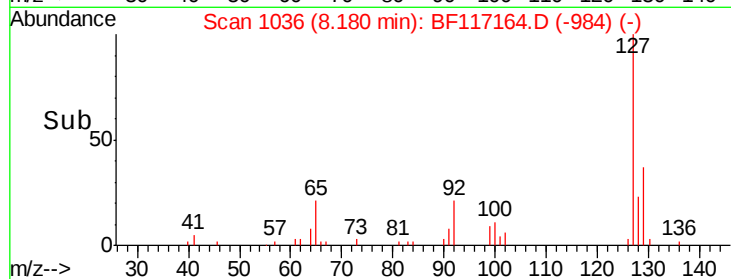
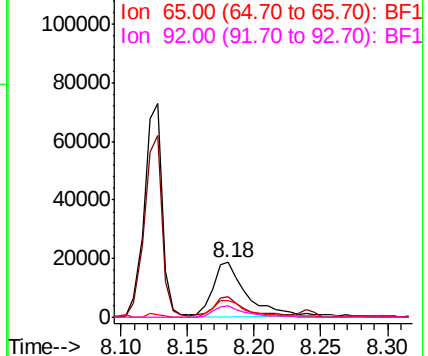
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

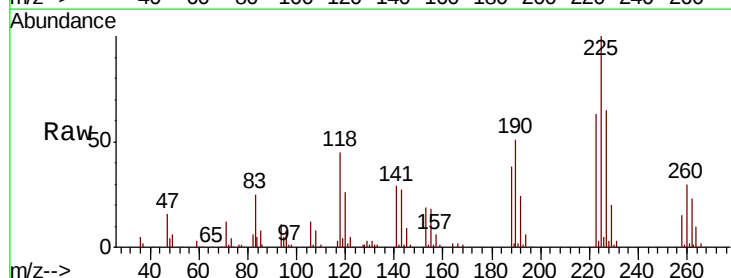
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 48.099 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.1	73.7
227	64.9	52.2	78.2

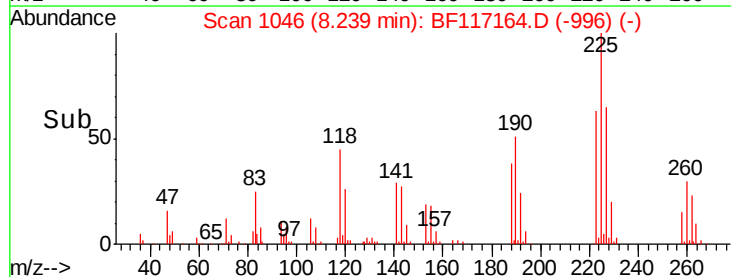
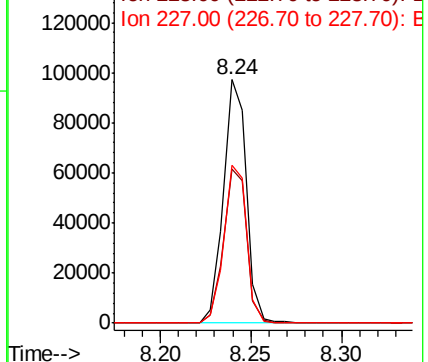


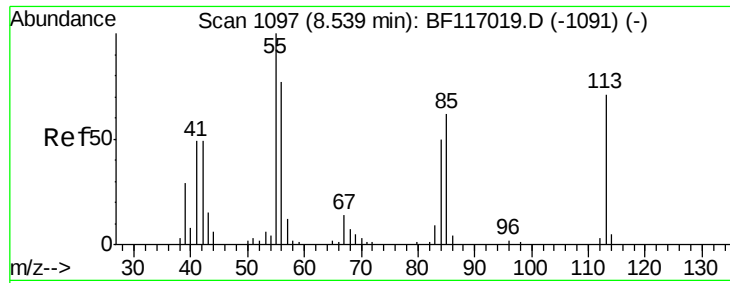
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





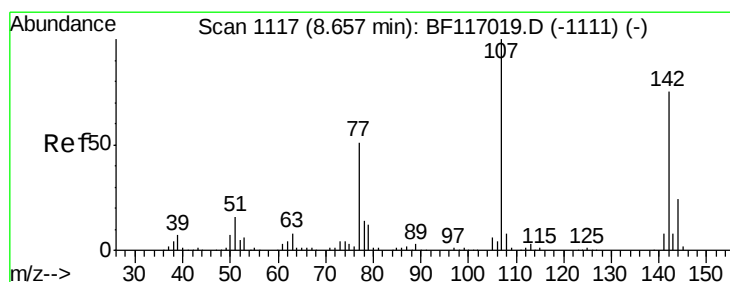
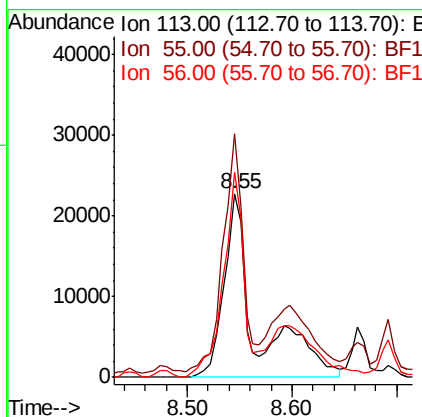
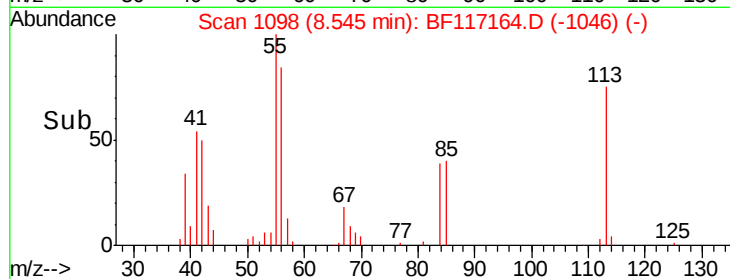
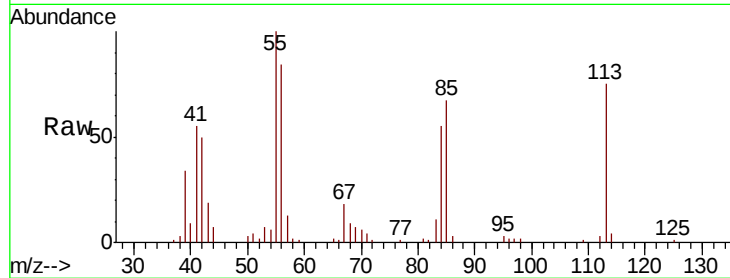
#35
Caprolactam
Concen: 48.211 ng/ml
RT: 8.55 min Scan# 1098
Delta R.T. 0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	132.7	120.6	160.6
56	111.6	88.8	128.8

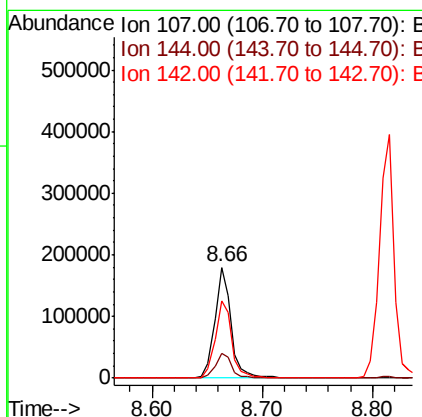
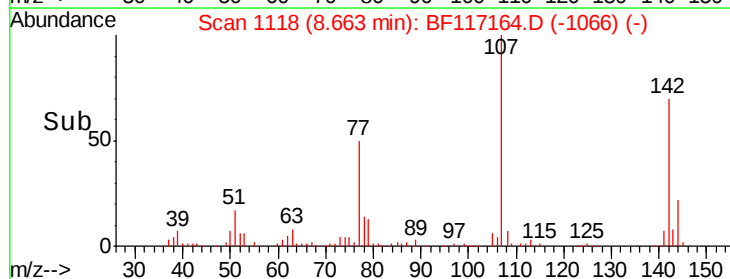
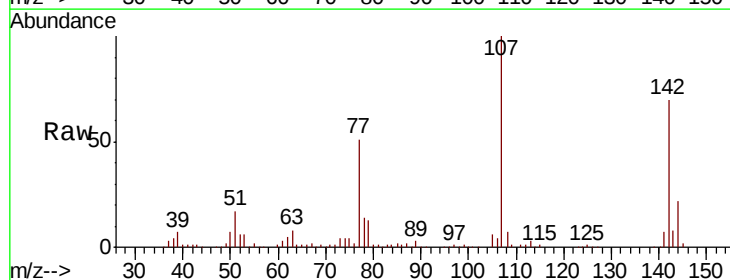
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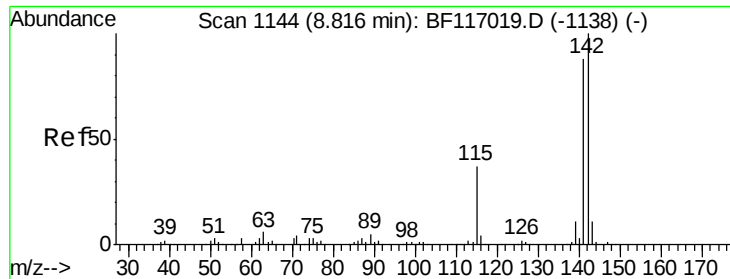
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9/19/2019 10:42:36 AM



#36
4-Chloro-3-methylphenol
Concen: 53.819 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.5	19.2	28.8
142	70.0	59.6	89.4





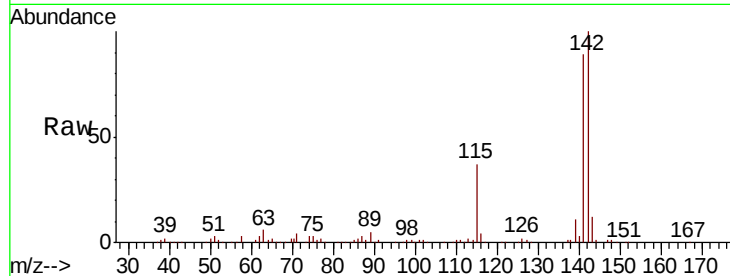
#37
2-Methylnaphthalene
Concen: 52.951 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.7	106.1
115	37.1	29.4	44.0

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9/19/2019 10:42:36 AM

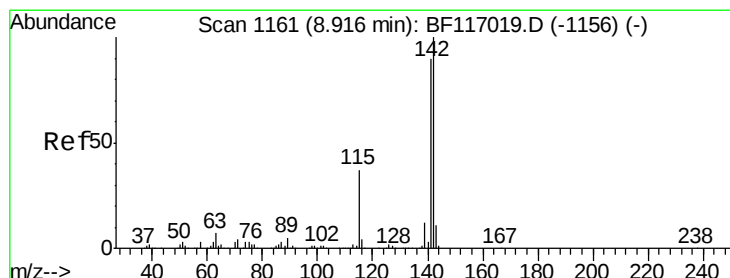
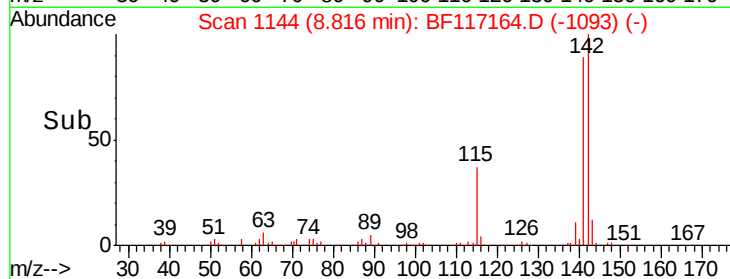
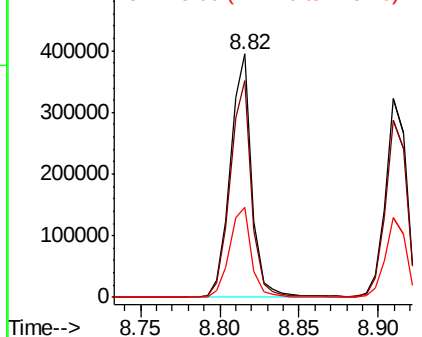


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 44.756 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

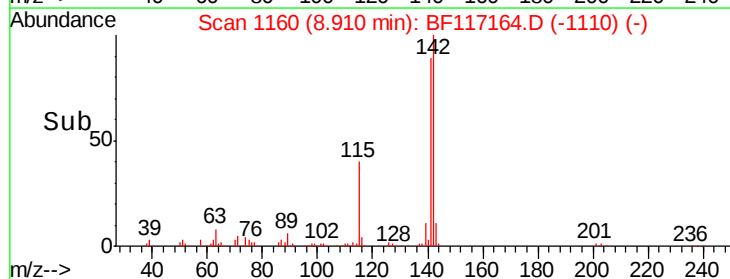
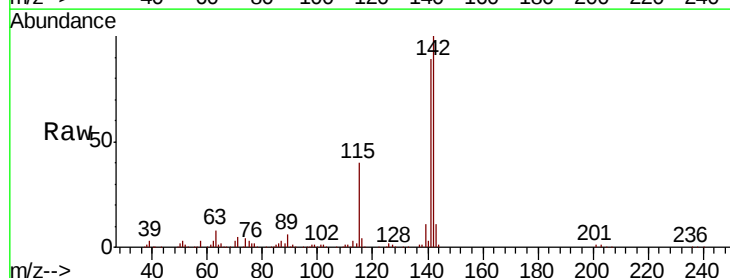
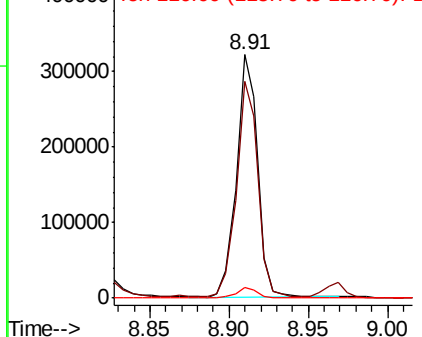
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.9	107.9
116	4.1	3.2	4.8

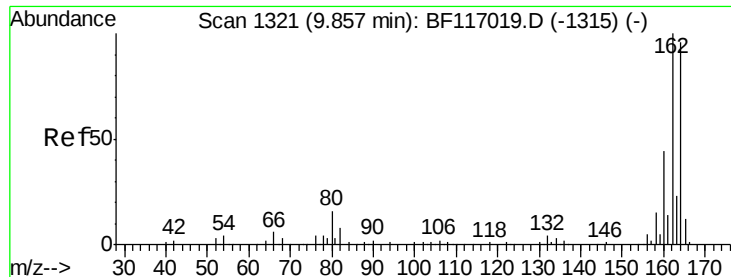
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





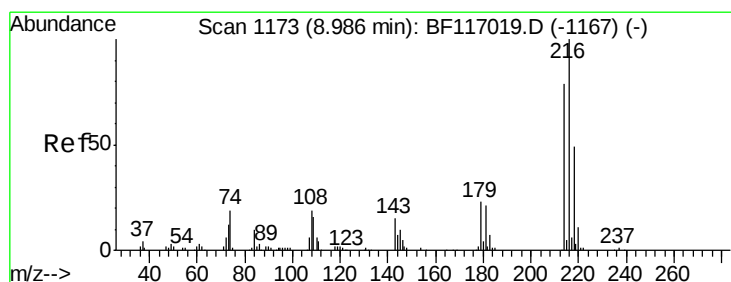
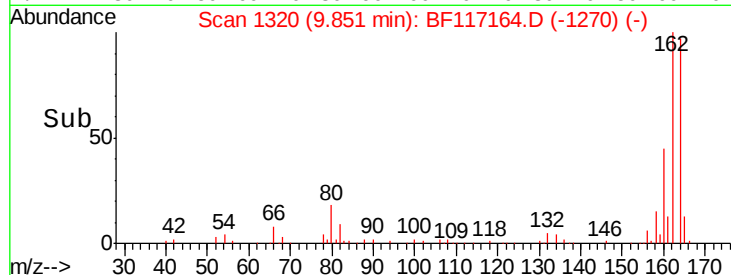
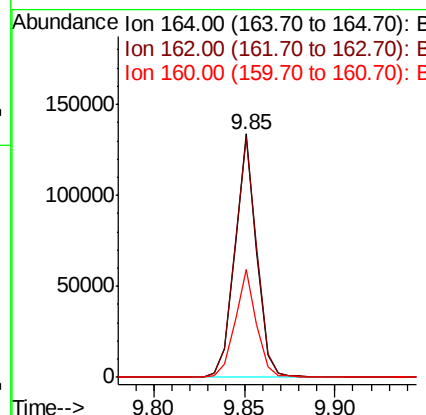
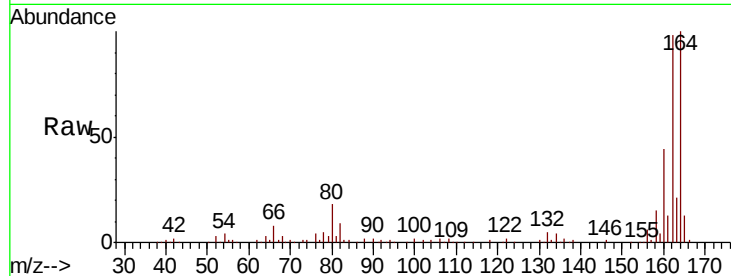
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.4	83.4	125.2
160	44.3	36.4	54.6

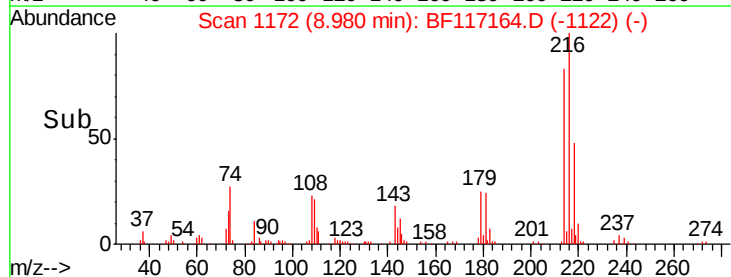
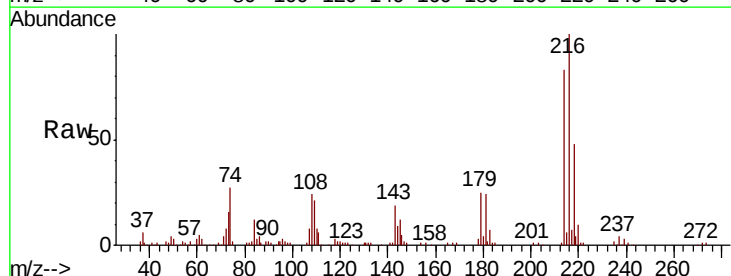
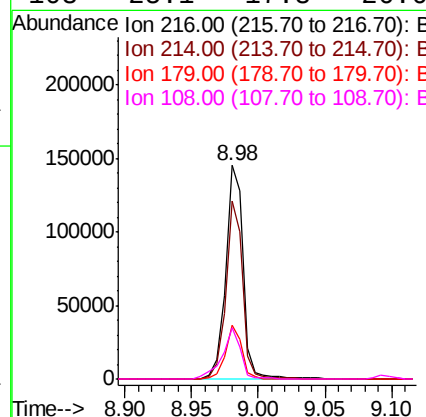
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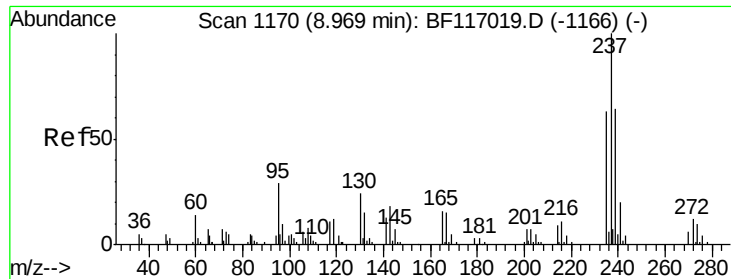
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9/19/2019 10:42:36 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.926 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.6	95.4
179	23.5	18.3	27.5
108	25.1	17.8	26.6





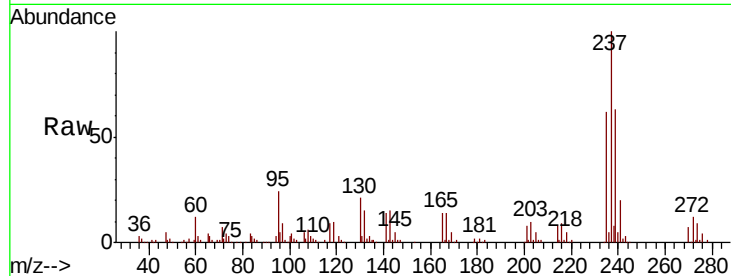
#41
Hexachlorocyclopentadiene
Concen: 89.478 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

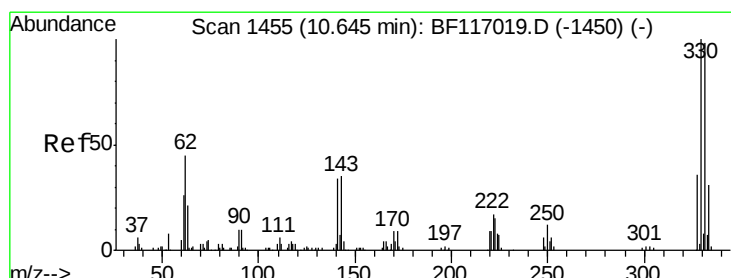
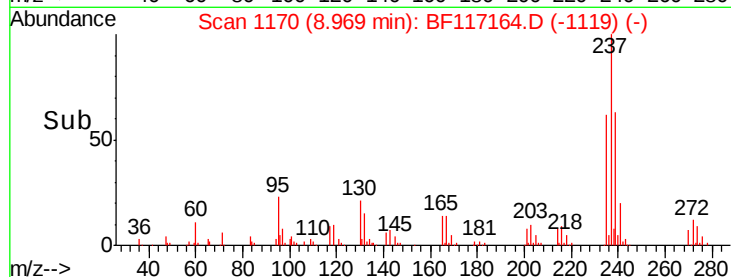
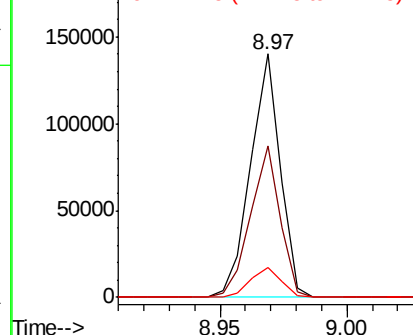
Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	62.3	43.2	83.2
272	12.4	0.0	31.9

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9/19/2019 10:42:36 AM

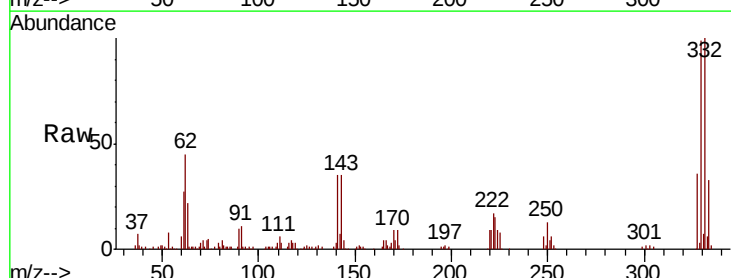


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

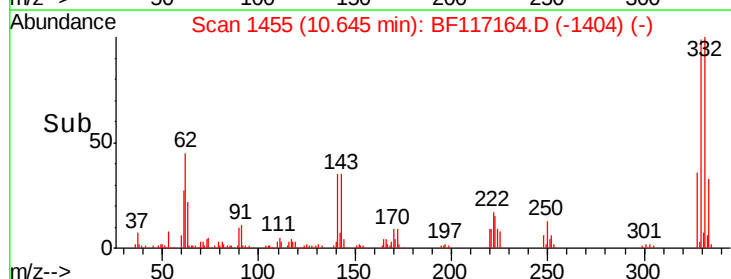
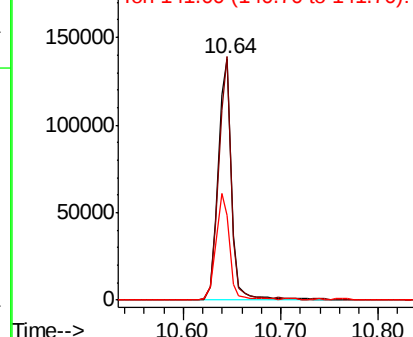


#42
2,4,6-Tribromophenol
Concen: 142.642 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	95.8	78.0	117.0
141	45.0	35.8	53.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





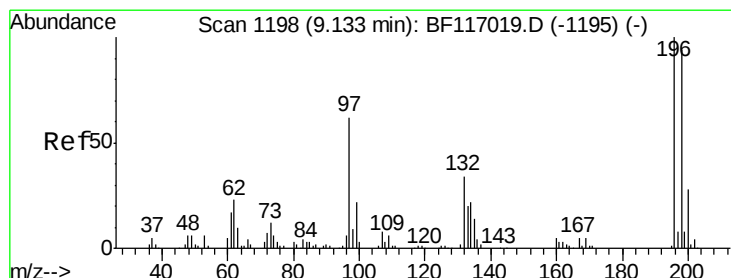
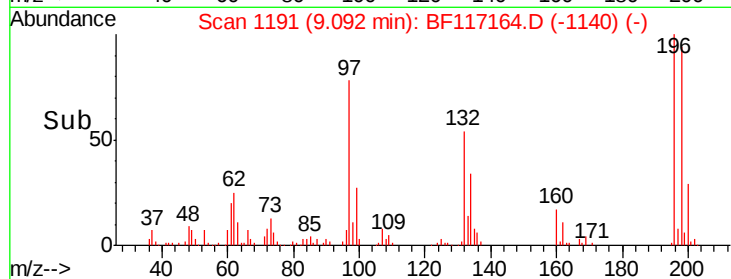
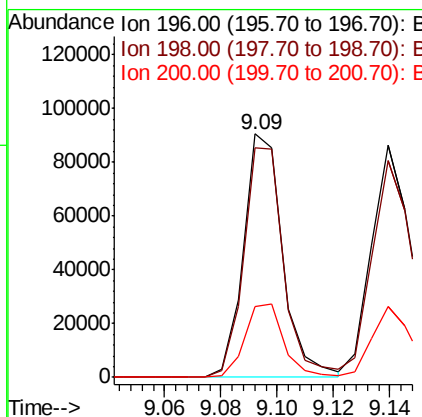
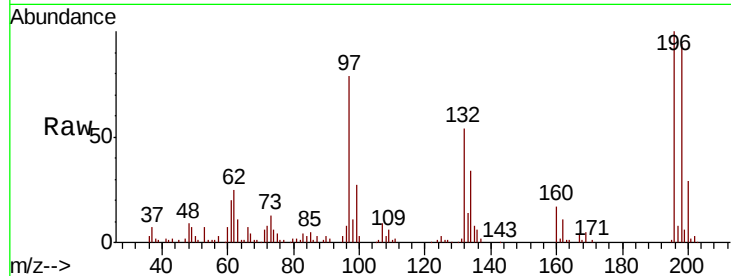
#43
 2,4,6-Trichlorophenol
 Concen: 44.858 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

Tot Ion:	196	Resp:	86999
Ion Ratio	Lower	Upper	
196	100		
198	94.1	75.7	113.5
200	29.0	23.3	34.9

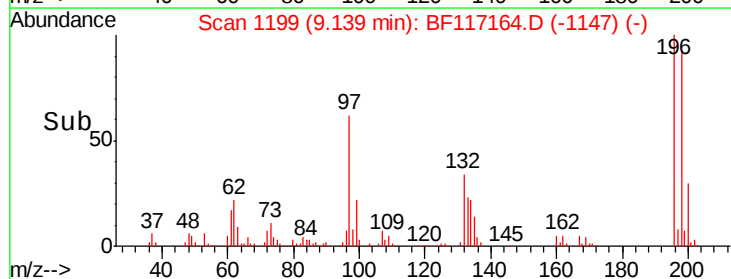
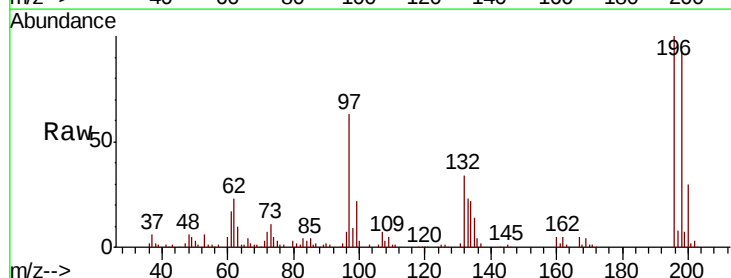
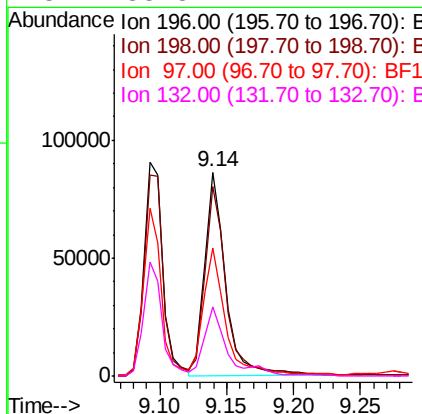
Manual Integrations
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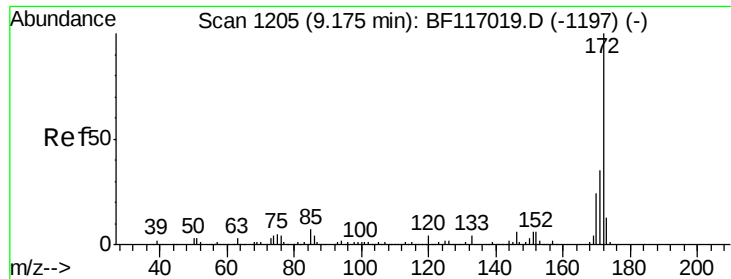
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 9/19/2019 10:42:36 AM



#44
 2,4,5-Trichlorophenol
 Concen: 45.361 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion:	196	Resp:	93994
Ion Ratio	Lower	Upper	
196	100		
198	93.2	74.6	112.0
97	63.0	49.5	74.3
132	33.8	27.4	41.2





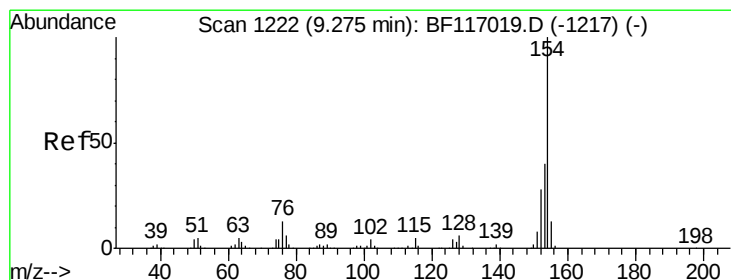
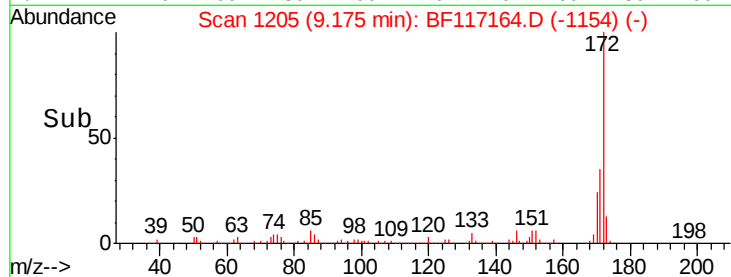
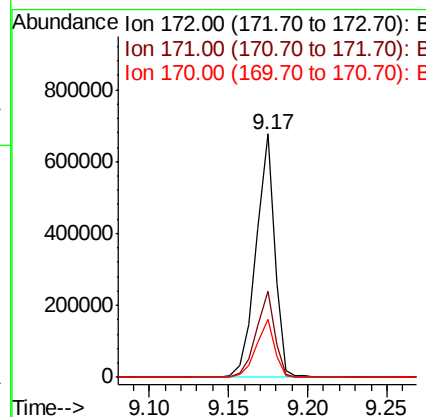
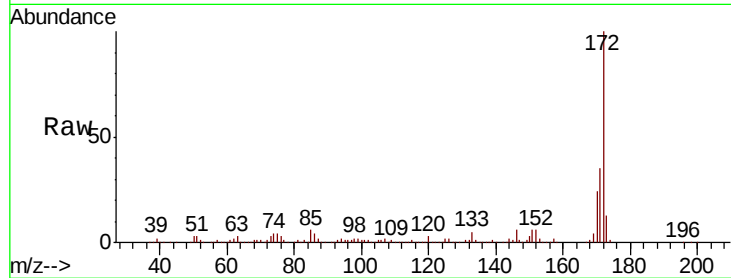
#45
2-Fluorobiphenyl
Concen: 78.642 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.7	18.9	28.3

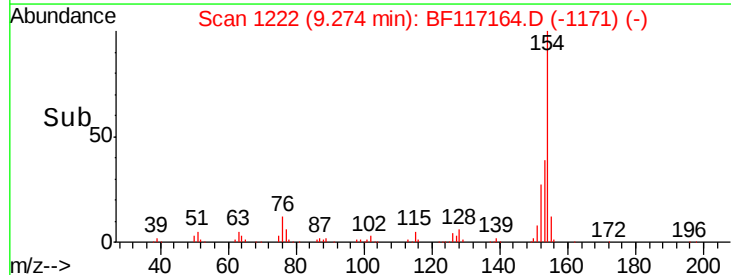
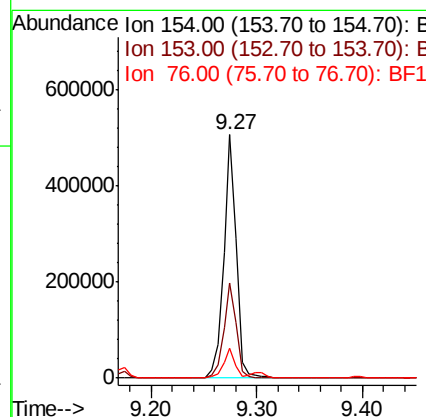
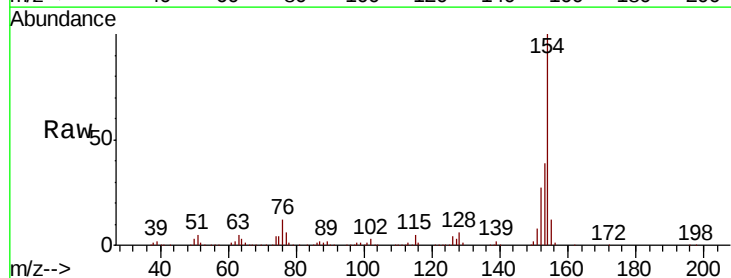
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#46
1,1'-Biphenyl
Concen: 49.305 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	20.0	60.0
76	12.1	0.0	32.7





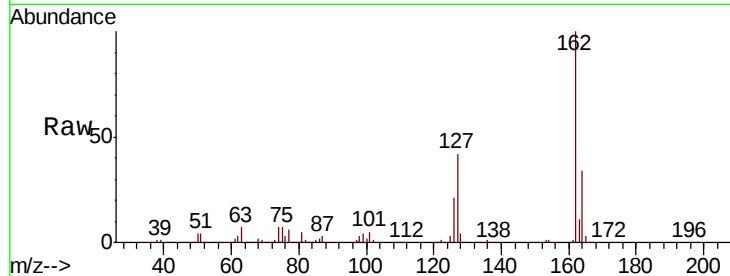
#47
2-Chloronaphthalene
Concen: 48.710 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

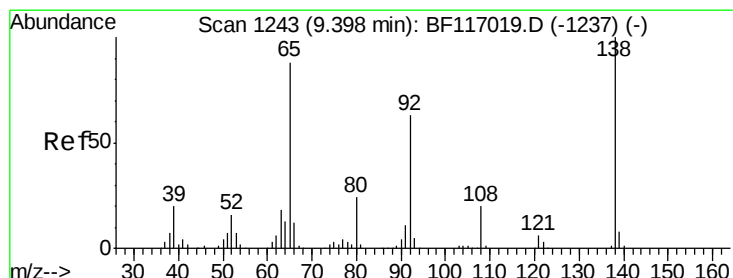
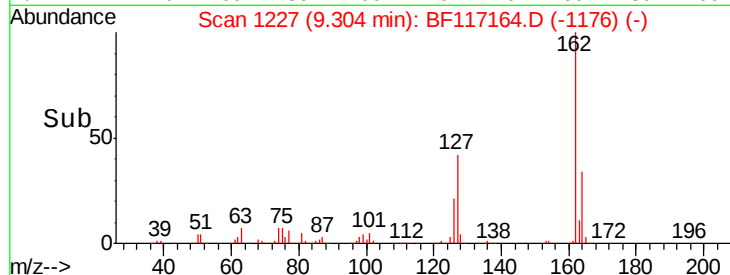
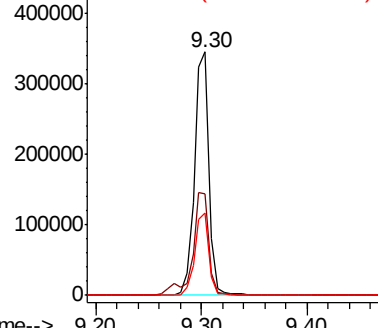
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.7	34.1	51.1
164	33.7	25.9	38.9

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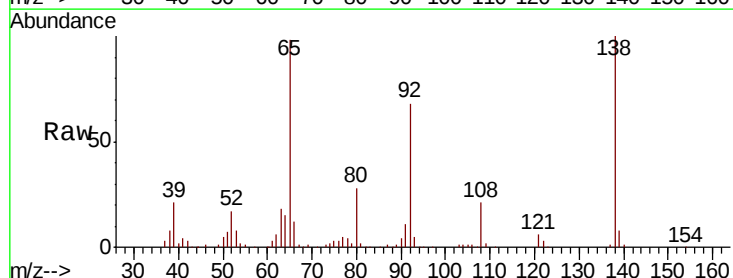


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

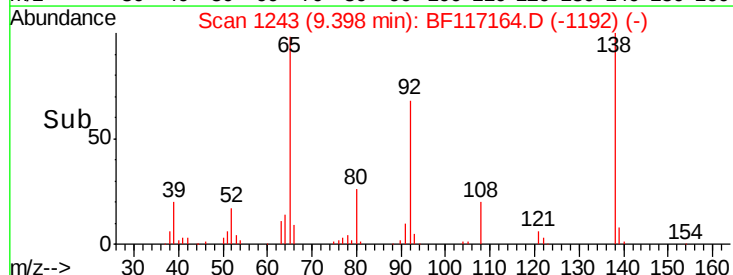
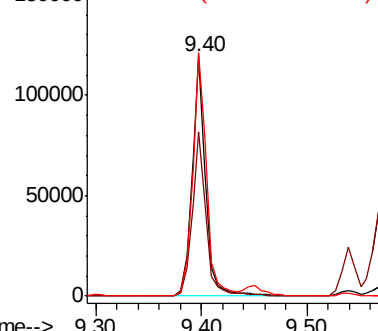


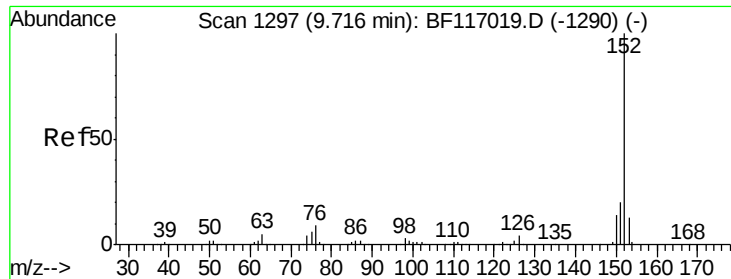
#48
2-Nitroaniline
Concen: 49.358 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.8	57.5	86.3
138	101.7	90.6	136.0



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





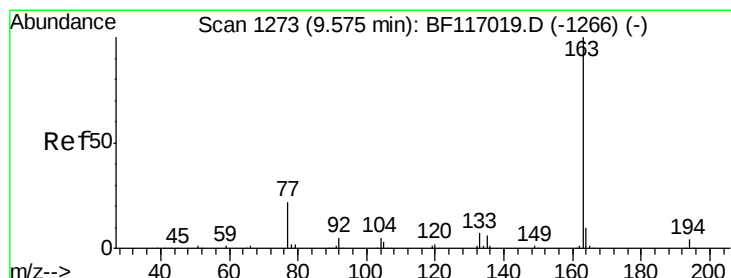
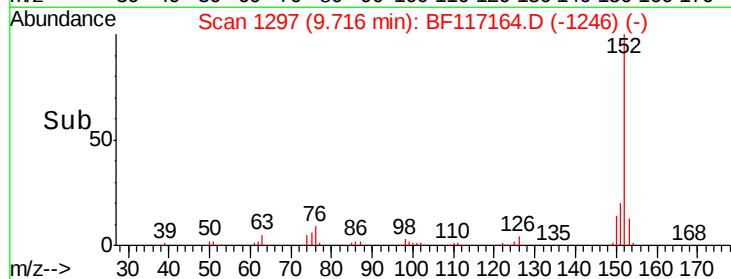
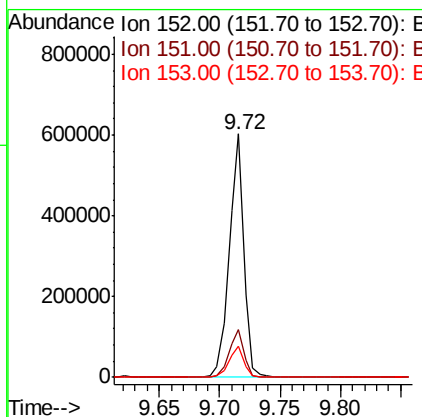
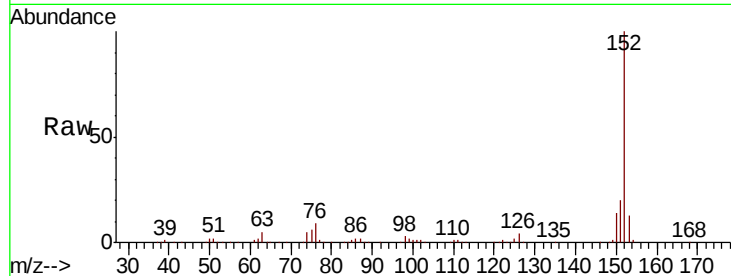
#49
Acenaphthylene
Concen: 49.210 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.2
153	13.0	10.2	15.4

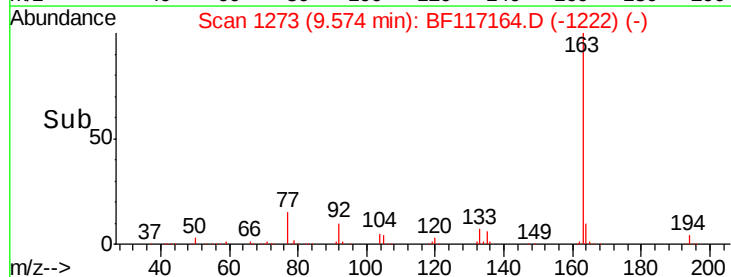
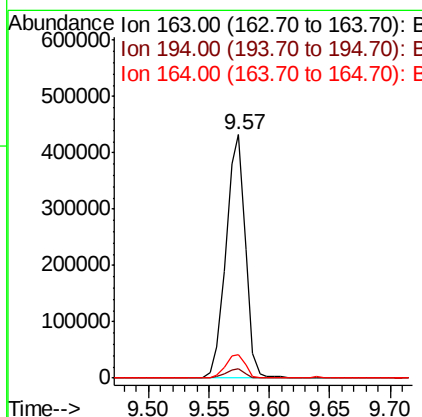
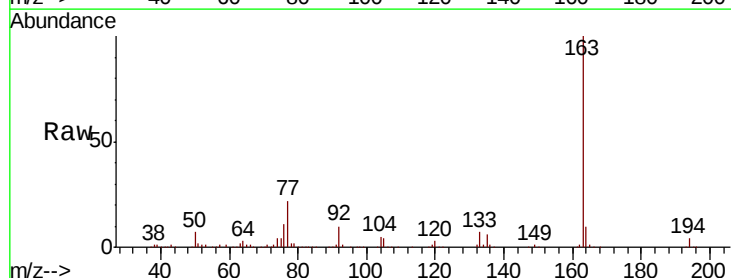
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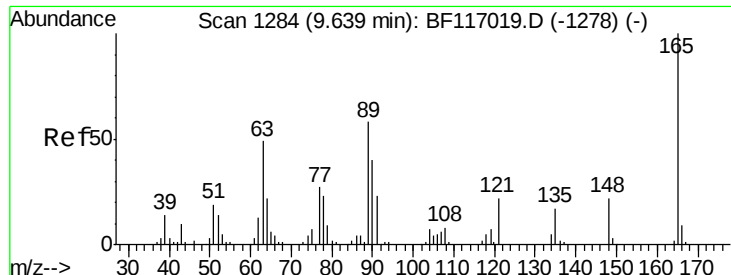
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#50
Dimethylphthalate
Concen: 61.392 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.6	8.2	12.4





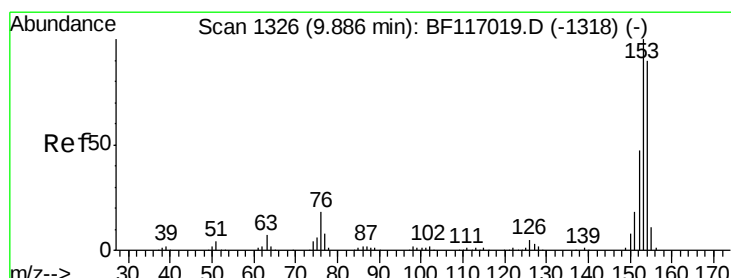
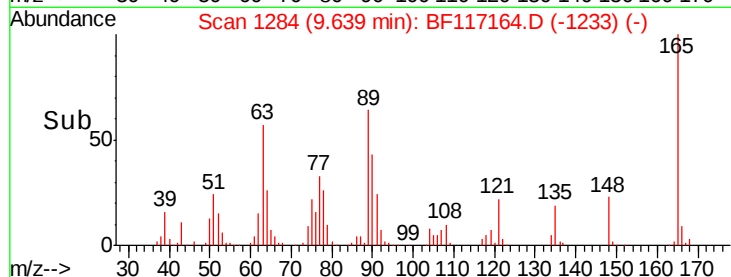
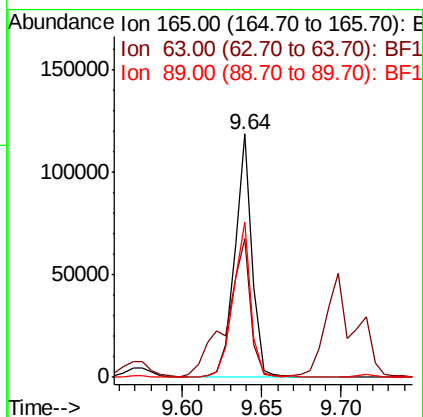
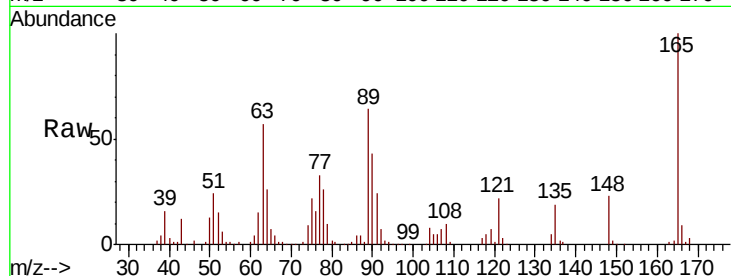
#51
 2,6-Dinitrotoluene
 Concen: 56.378 ng
 RT: 9.64 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	89978		
63	57.0		41.8	62.8
89	63.6		46.5	69.7

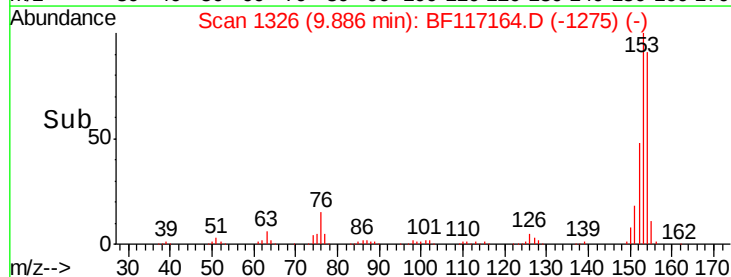
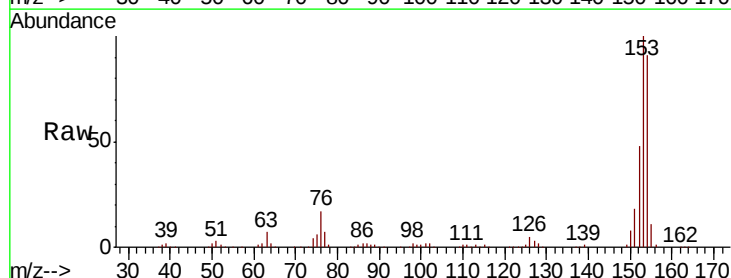
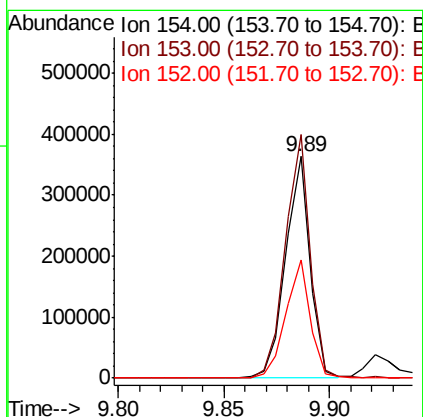
Manual Integrations
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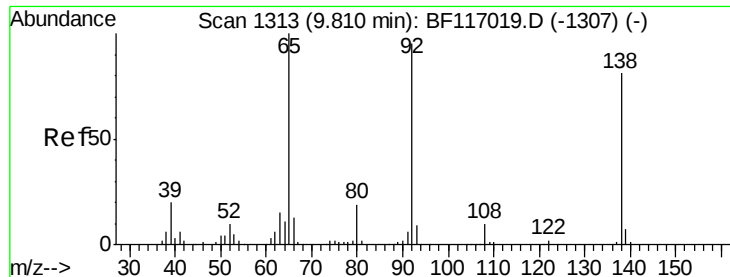
Jagrut
 9/19/2019 10:42:36 AM



#52
 Acenaphthene
 Concen: 48.583 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	295584		
153	109.9		89.0	133.6
152	53.3		41.9	62.9





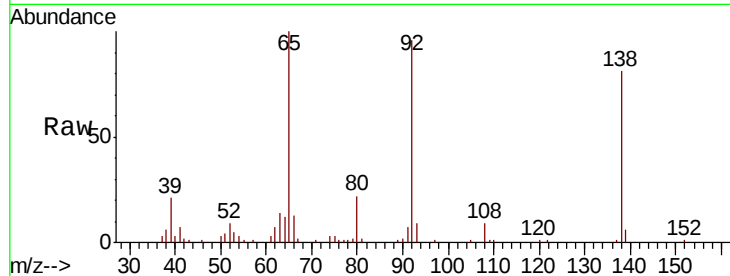
#53
3-Nitroaniline
Concen: 19.816 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.5	14.3
92	117.8	94.1	141.1

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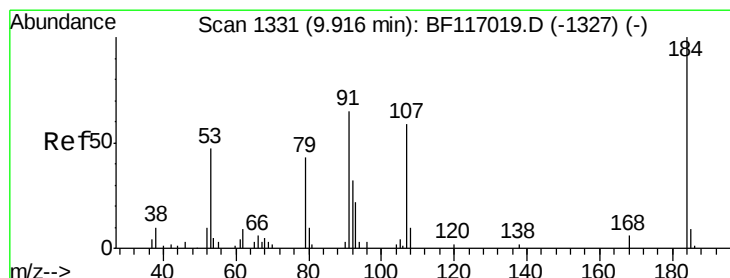
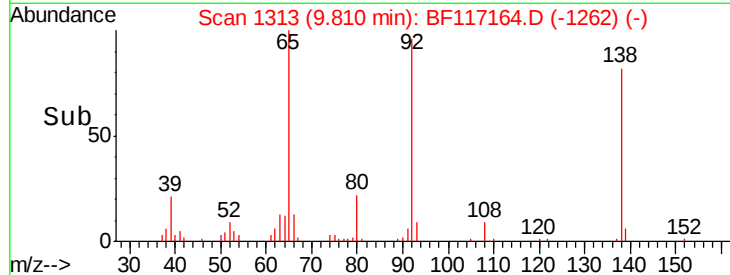
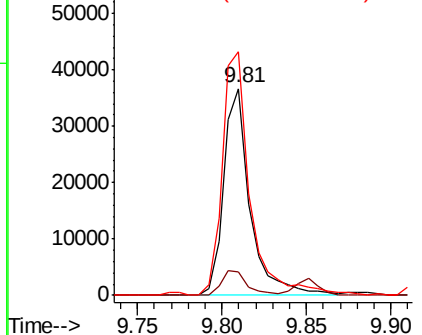


Abundance

Ion 138.00 (137.70 to 138.70): E

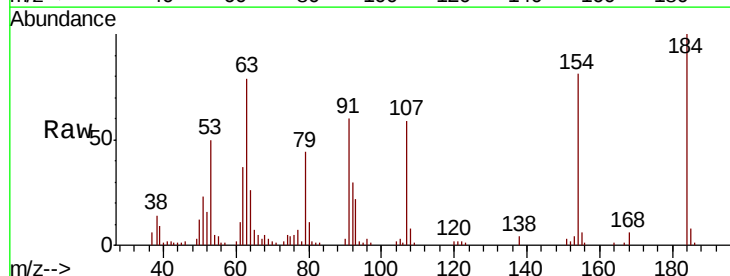
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 76.106 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	79.1	63.8	95.6
154	80.9	60.4	90.6

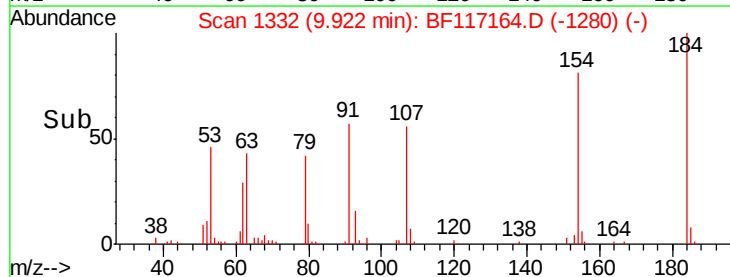
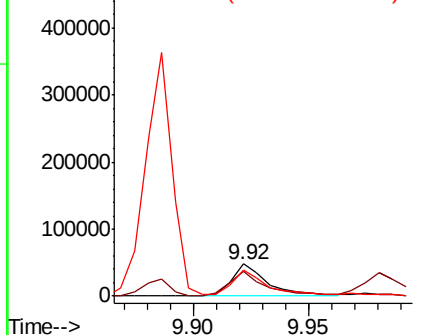


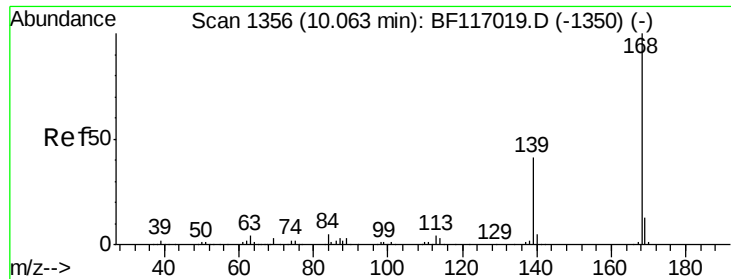
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





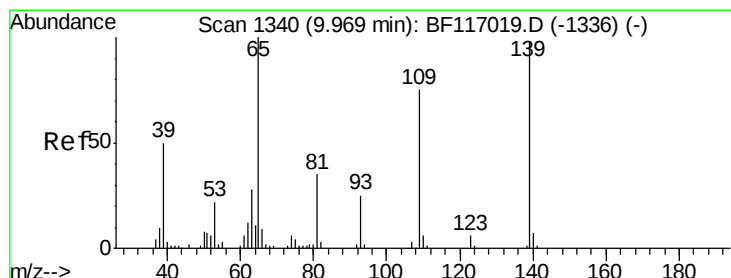
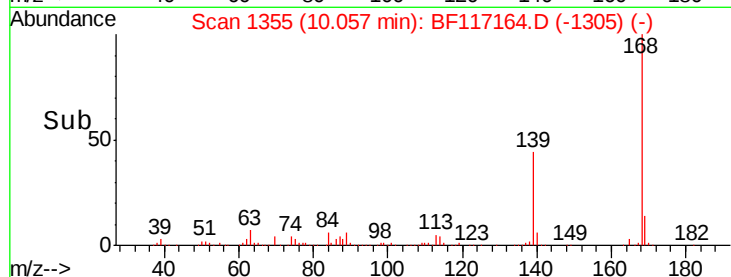
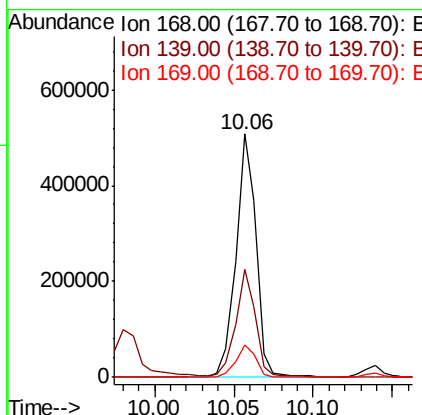
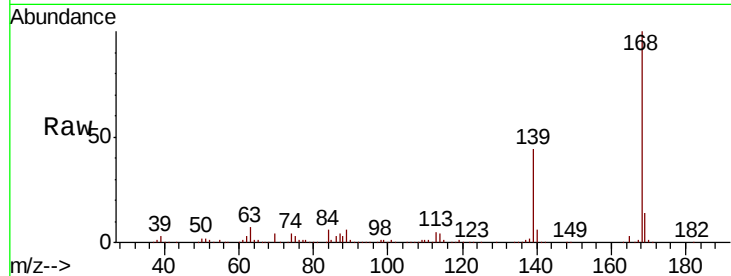
#55
Dibenzenofuran
Concen: 49.625 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	44.4	32.8	49.2
169	13.5	10.5	15.7

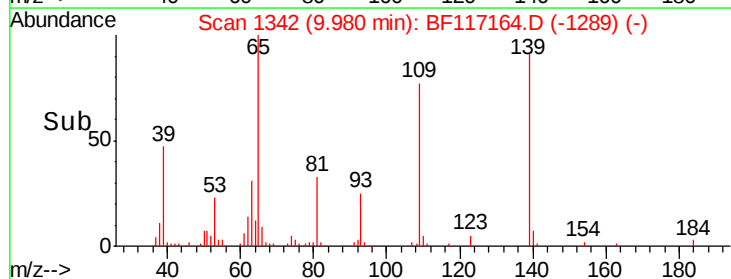
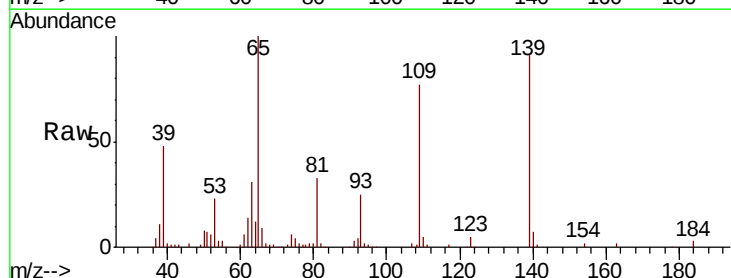
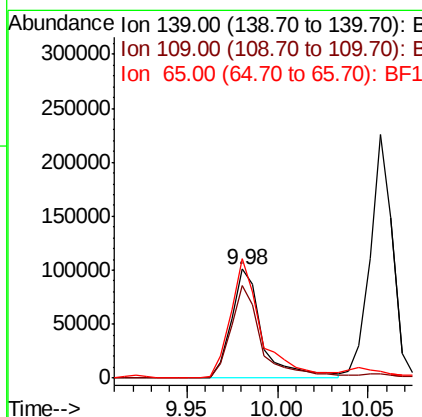
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#56
4-Nitrophenol
Concen: 91.430 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
139	100		
109	85.1	56.4	96.4
65	110.5	82.5	122.5





#57

2,4-Dinitrotoluene

Concen: 54.620 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

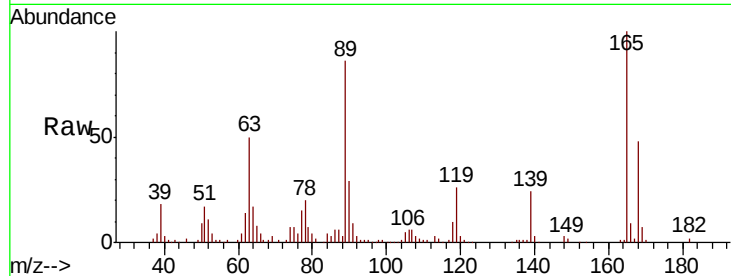
ClientSampleId :

SOIL-COMP-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		113155		
63	49.5		35.0	52.4	
89	86.5		66.1	99.1	
182	2.5		2.0	3.0	

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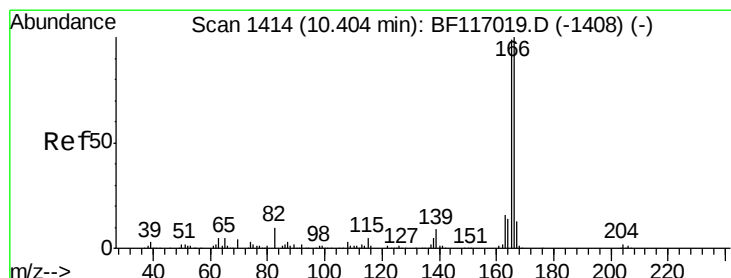
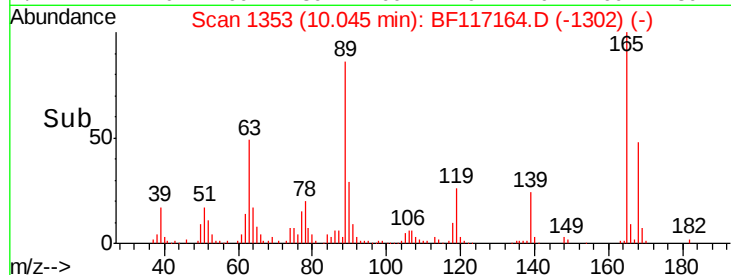
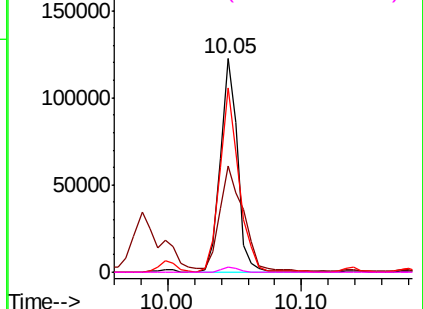


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 54.520 ng

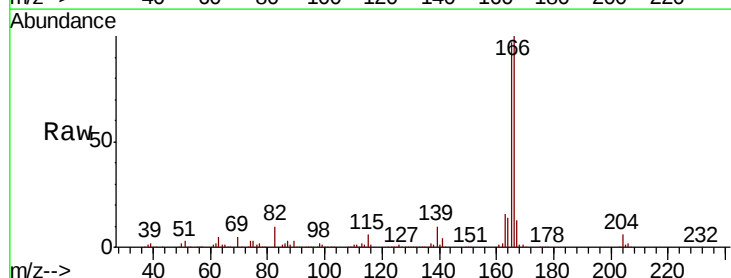
RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

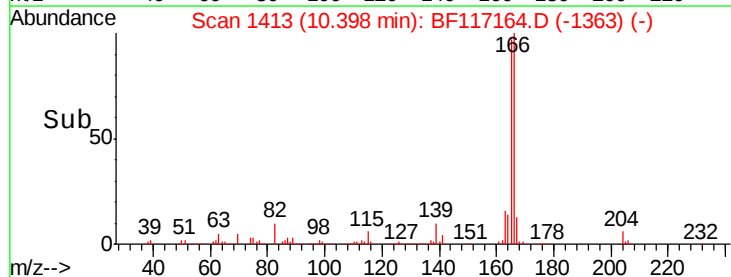
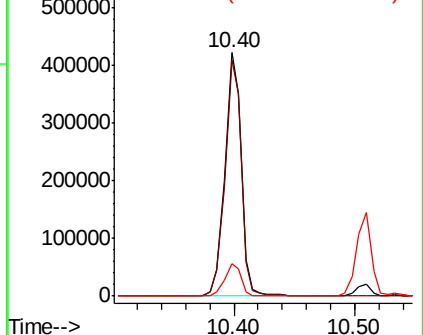
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		394233		
165	97.0		78.9	118.3	
167	13.1		10.6	15.8	

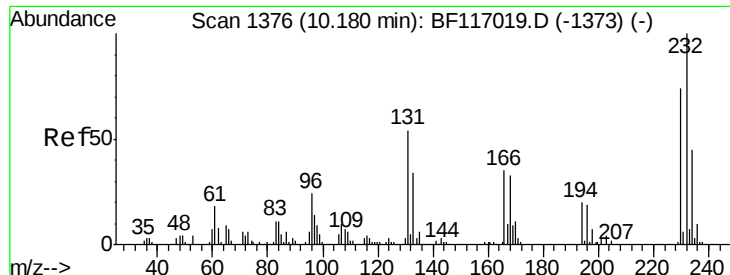


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





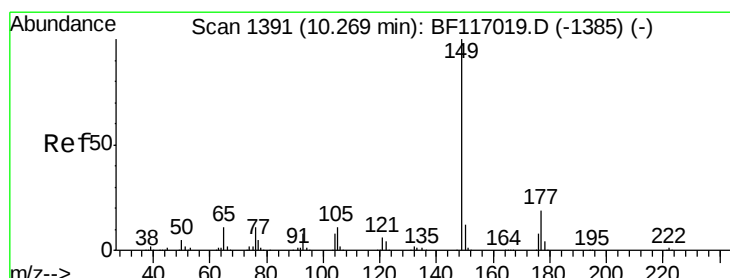
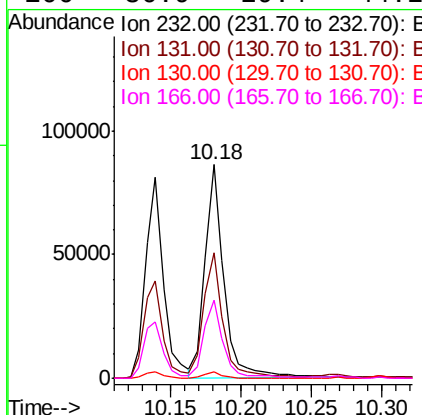
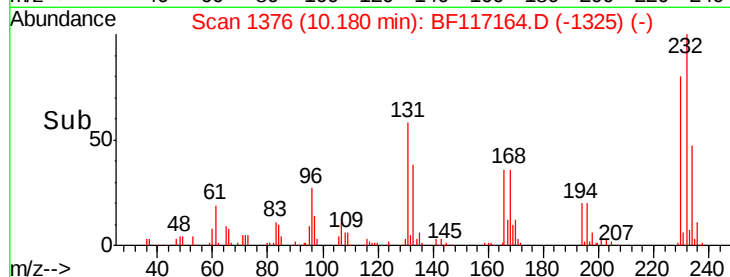
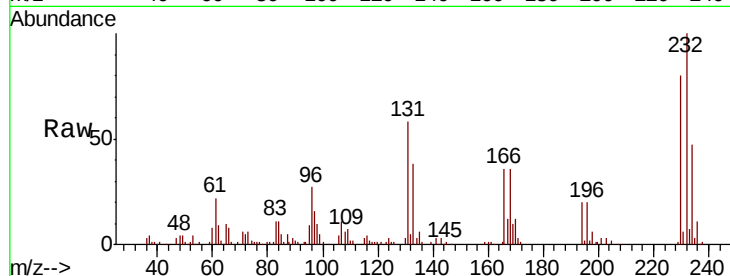
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.463 ng
 RT: 10.18 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	59.4	45.3	67.9
130	2.8	1.8	2.8
166	36.9	29.4	44.2

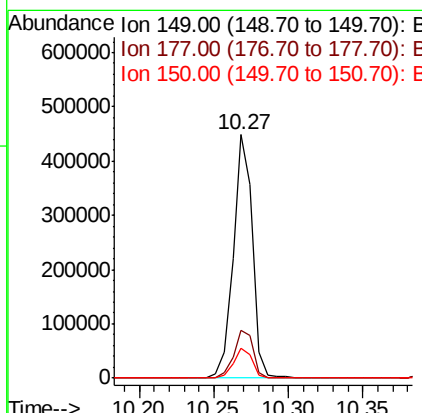
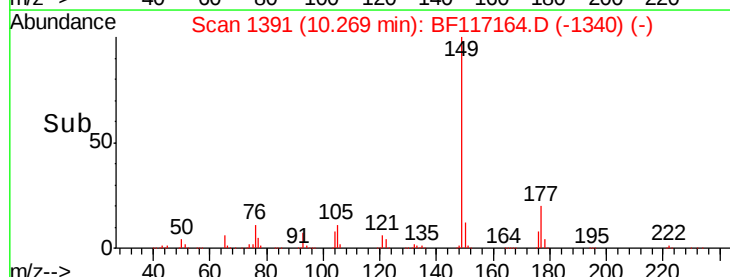
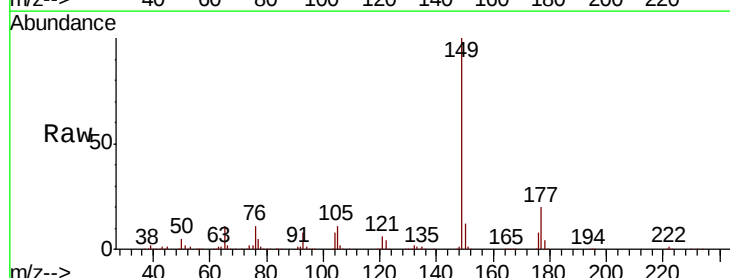
Manual Integrations
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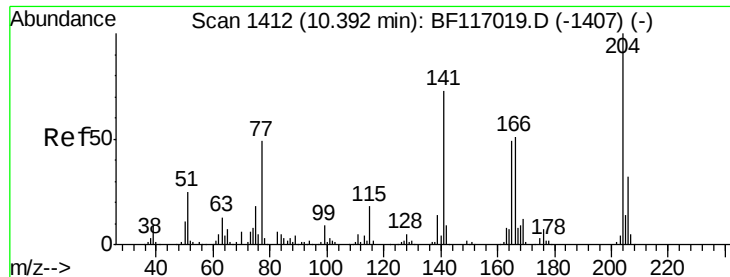
Jagrut
 9/19/2019 10:42:36 AM



#60
 Diethylphthalate
 Concen: 52.456 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
149	100		
177	19.8	15.2	22.8
150	12.1	9.9	14.9





#61

4-Chlorophenyl-phenylether

Concen: 52.959 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-1MSD

Tot Ion:204 Resp: 165689

Ion Ratio Lower Upper

204 100

206 32.7 26.0 39.0

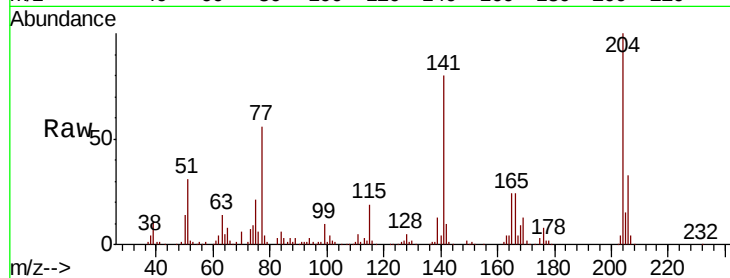
141 80.1 58.2 87.2

Manual Integrations

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Jagrut

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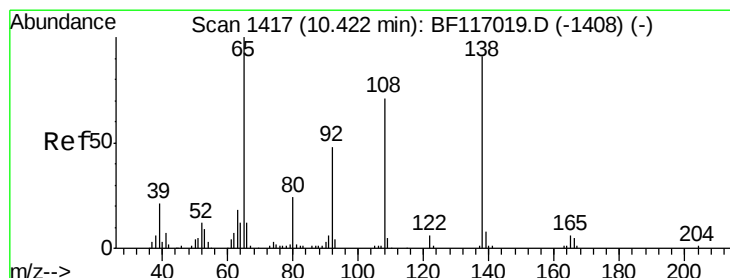
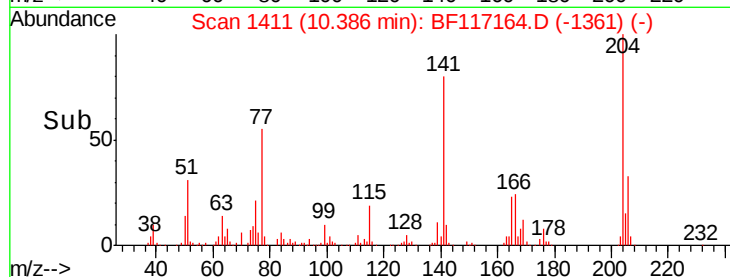
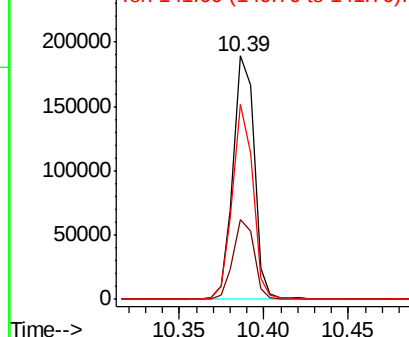


Abundance

Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 48.496 ng

RT: 10.43 min Scan# 1418

Delta R.T. 0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

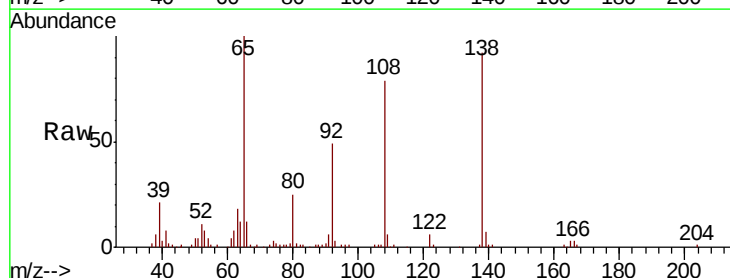
Tgt Ion:138 Resp: 101556

Ion Ratio Lower Upper

138 100

92 53.5 32.9 72.9

108 85.9 58.3 98.3

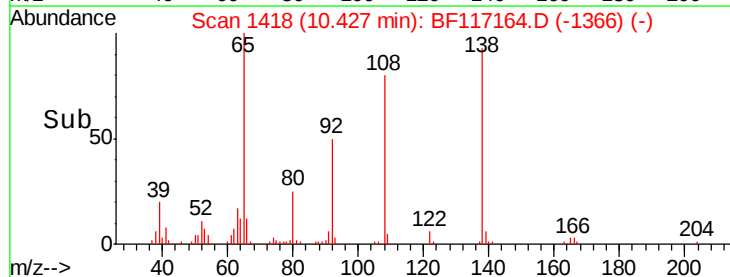
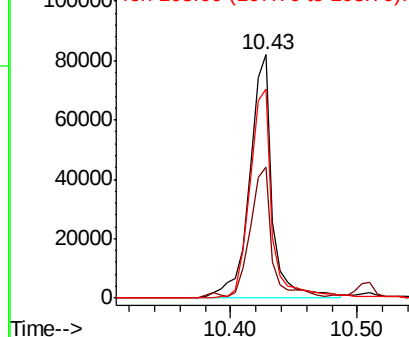


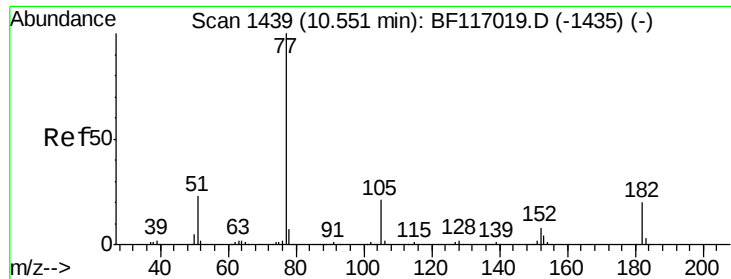
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





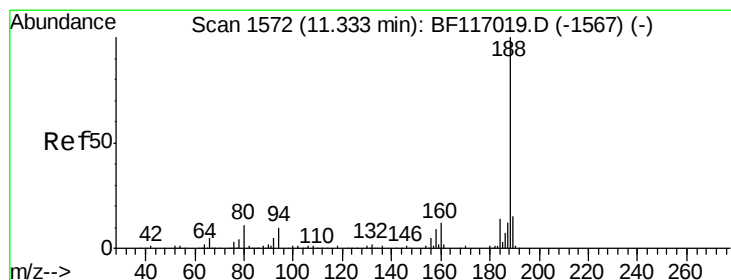
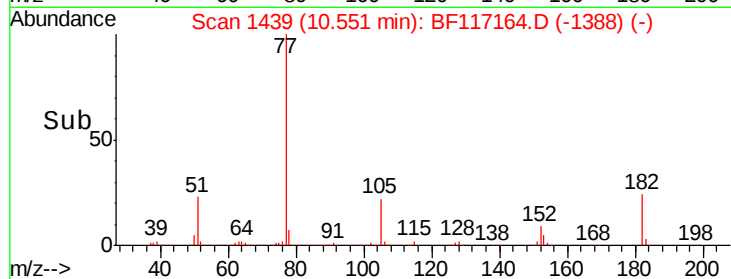
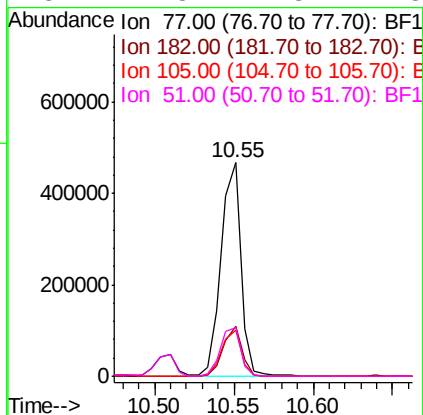
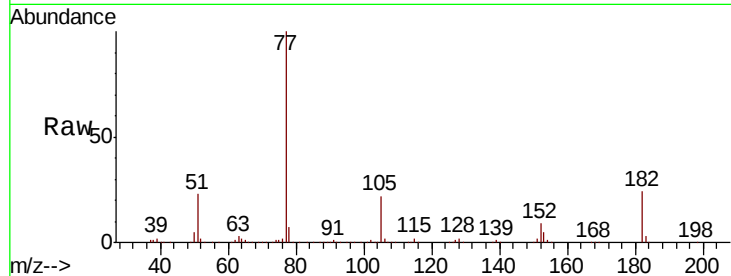
#63
Azobenzene
Concen: 51.463 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	23.6	0.4	40.4		
105	21.8	0.9	40.9		
51	22.8	2.8	42.8		

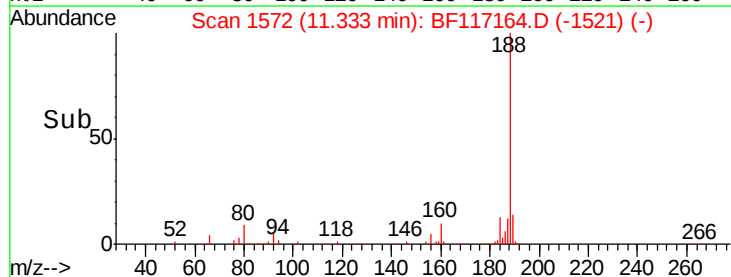
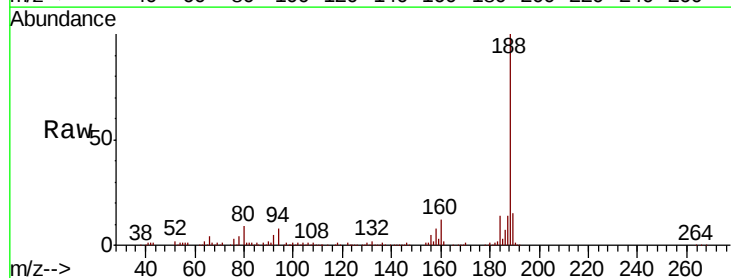
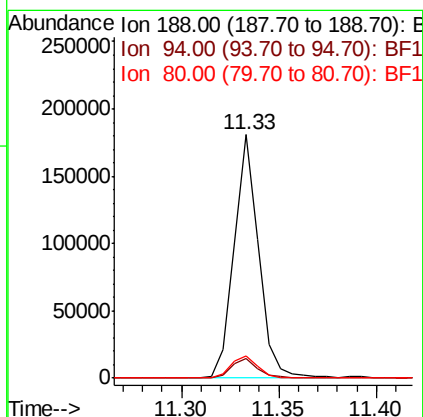
Manual Integrations
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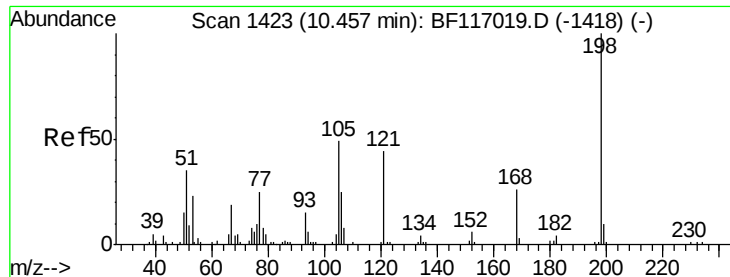
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.9	8.2	12.2#		
80	9.4	9.0	13.6		





#65

4,6-Dinitro-2-methylphenol

Concen: 60.570 ng

RT: 10.46 min Scan# 1423

Delta R.T. 0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

ClientSampleId :

SOIL-COMP-1MSD

Tot Ion:198 Resp: 45009

Ion Ratio Lower Upper

198 100

51 46.5 18.7 58.7

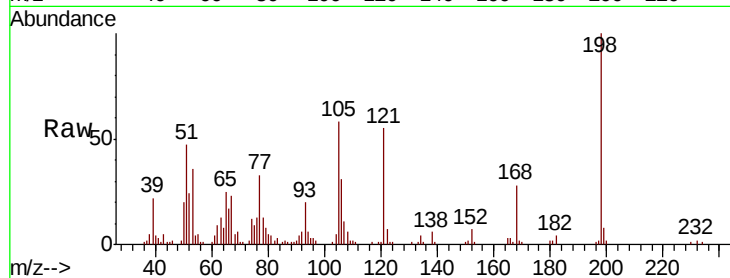
105 58.4 30.2 70.2

Manual Integrations

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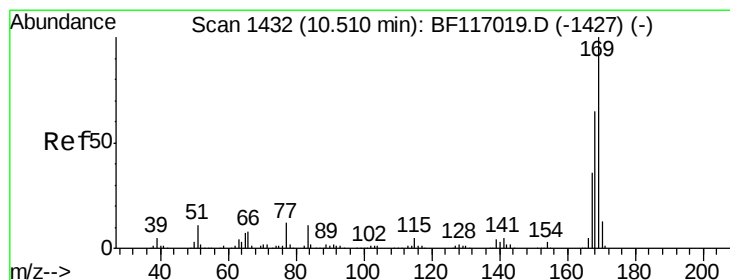
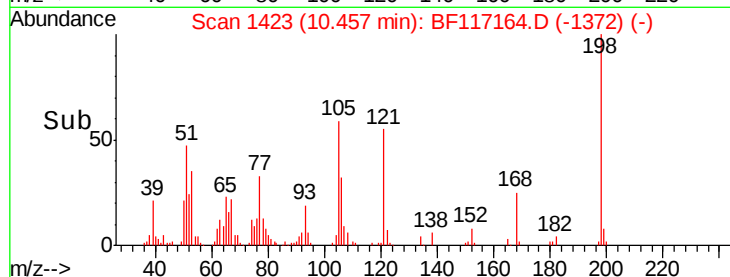
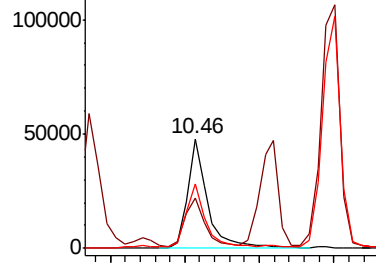
9/19/2019 10:42:36 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 62.275 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

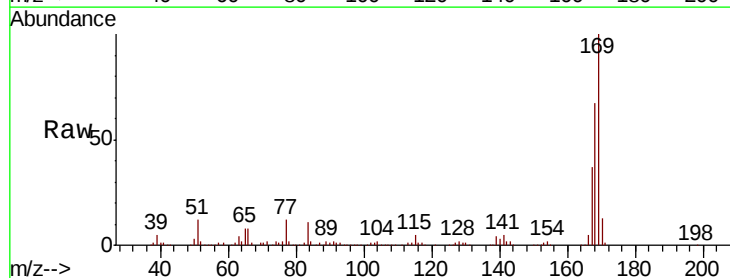
Tgt Ion:169 Resp: 338938

Ion Ratio Lower Upper

169 100

168 66.9 52.2 78.2

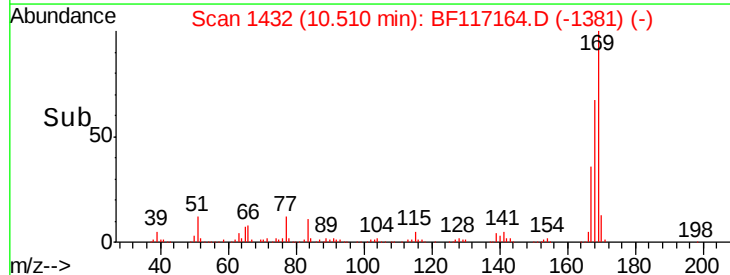
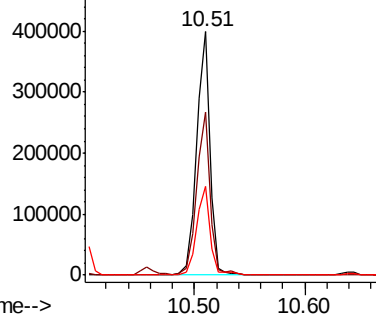
167 36.5 28.8 43.2

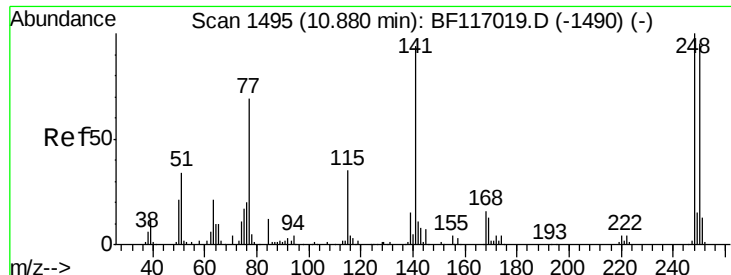


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





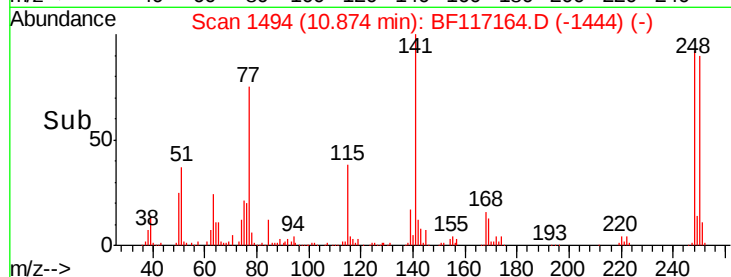
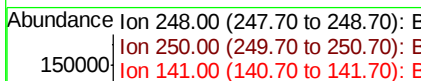
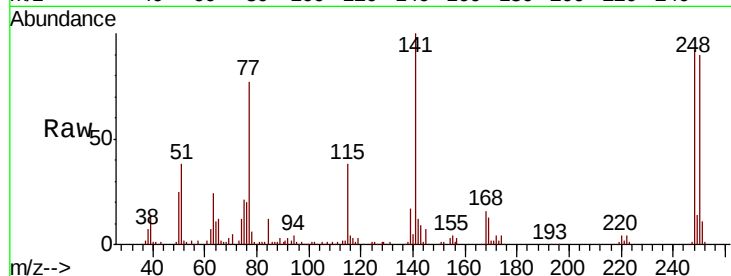
#67
 4-Bromophenyl-phenylether
 Concen: 59.959 ng
 RT: 10.87 min Scan# 1494
 Delta R.T. -0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

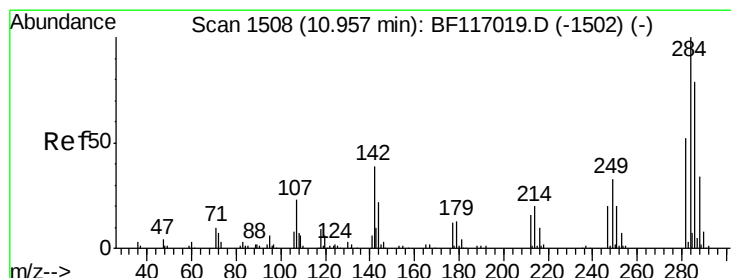
Tot Ion:	248	Resp:	96498
Ion Ratio	Lower	Upper	
248	100		
250	98.4	76.2	114.4
141	108.9	75.0	112.4

Manual Integrations
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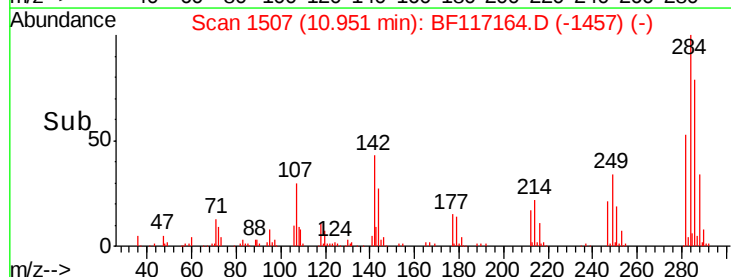
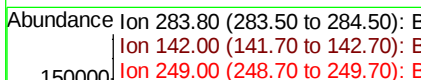
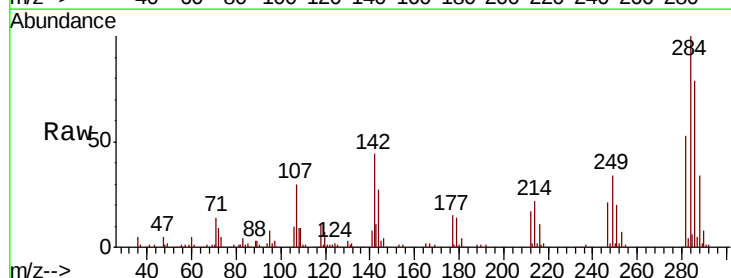


Time-->

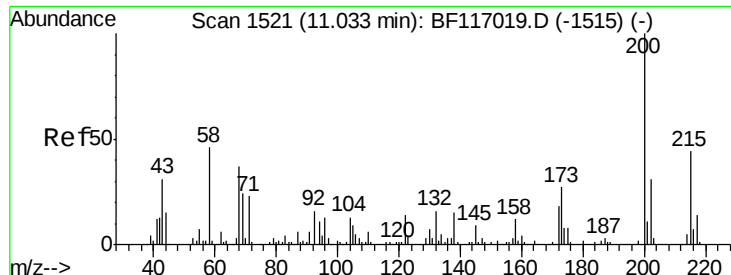


#68
 Hexachlorobenzene
 Concen: 58.223 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion:	284	Resp:	102490
Ion Ratio	Lower	Upper	
284	100		
142	43.7	31.4	47.2
249	33.6	26.5	39.7



Time-->



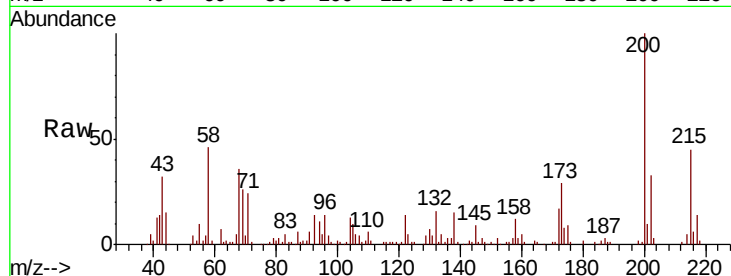
#69
Atrazine
Concen: 101.293 ng
RT: 11.03 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	94801		
173	28.7	6.9	46.9	
215	45.0	23.8	63.8	

Manual Integrations
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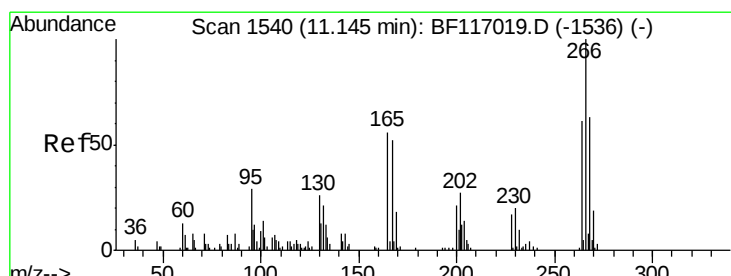
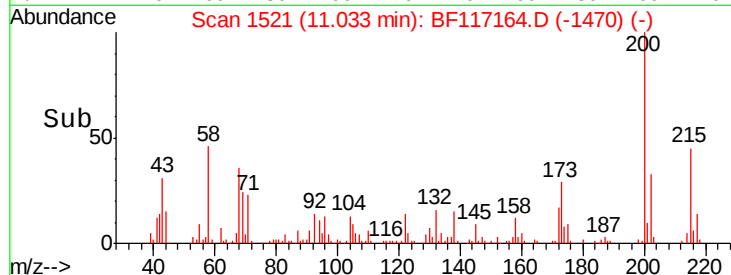
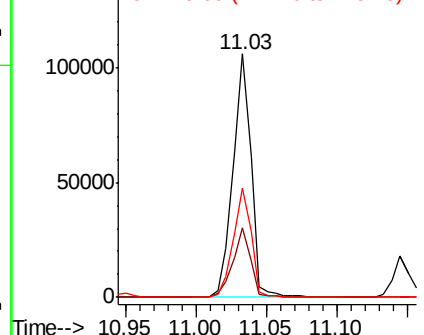


Abundance

Ion 200.00 (199.70 to 200.70): E

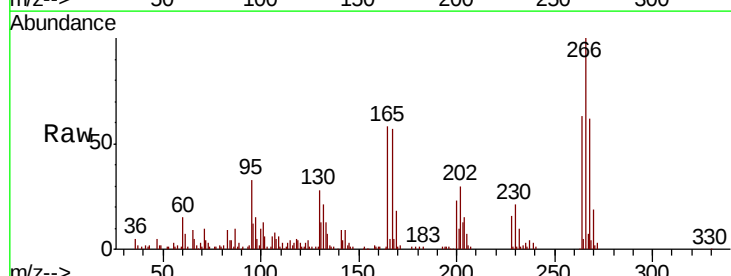
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 104.745 ng
RT: 11.14 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	86429		
268	62.3	50.5	75.7	
264	63.2	48.8	73.2	

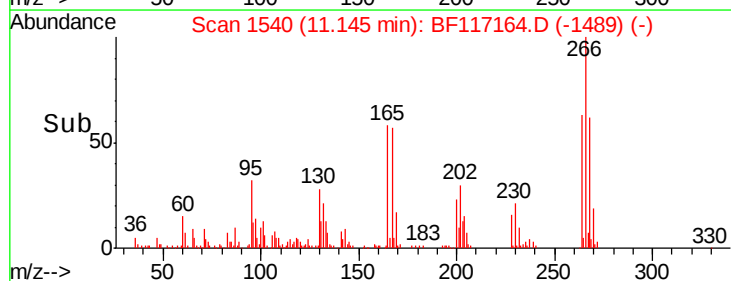
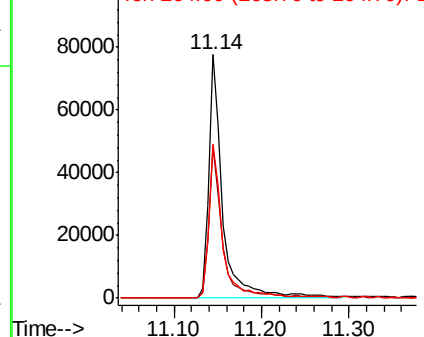


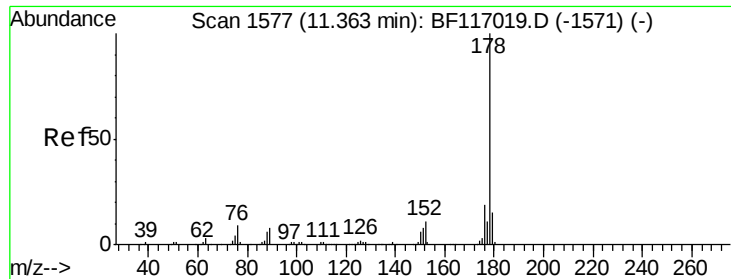
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





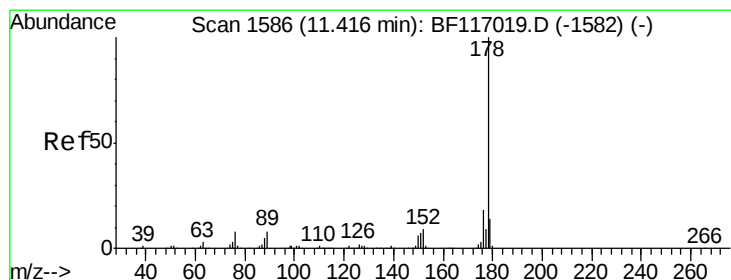
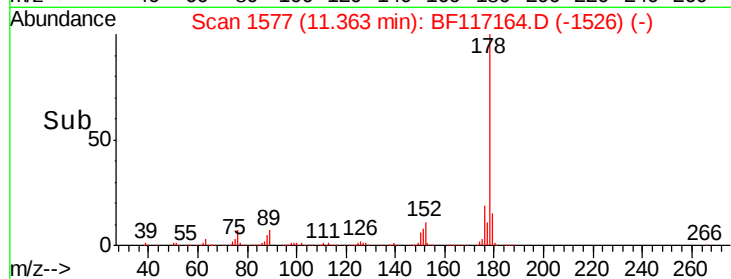
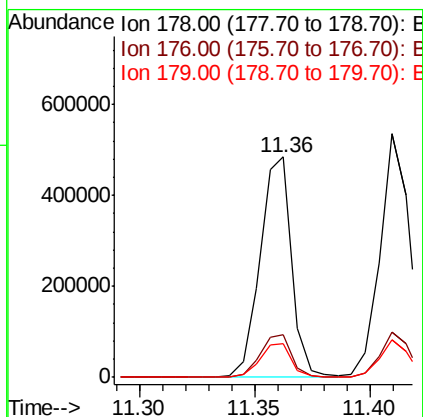
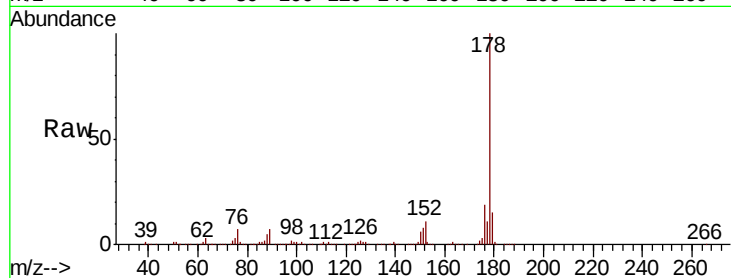
#71
Phenanthrene
Concen: 51.501 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.3	12.4	18.6

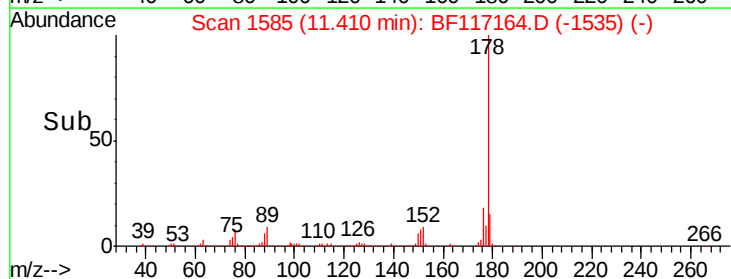
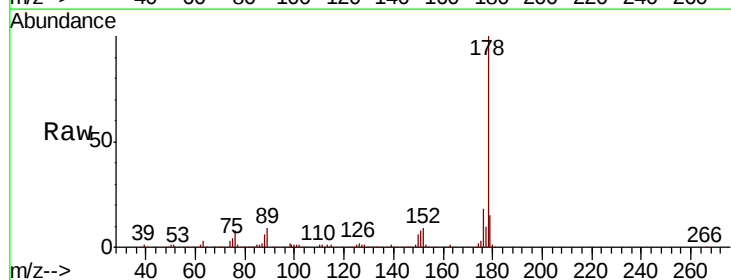
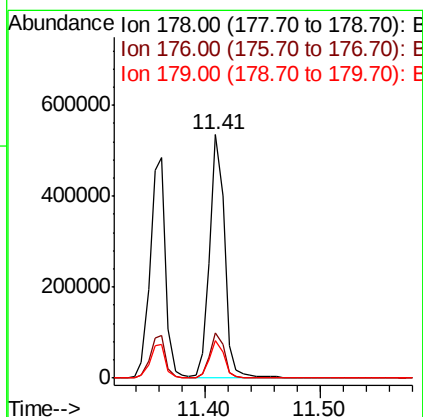
Manual Integrations
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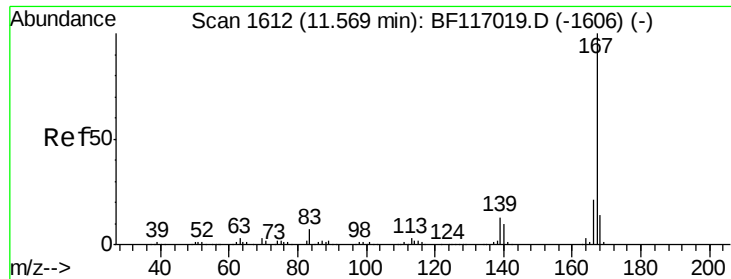
Jagrut
9/19/2019 10:42:36 AM



#72
Anthracene
Concen: 52.915 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.4	11.6	17.4





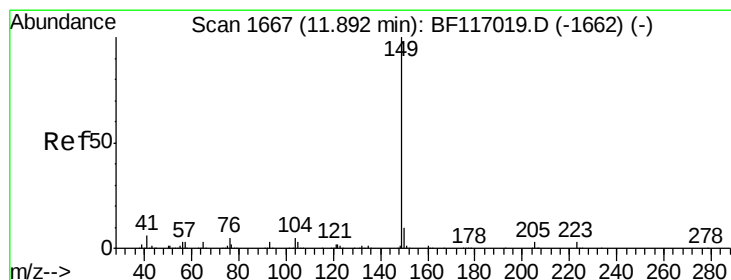
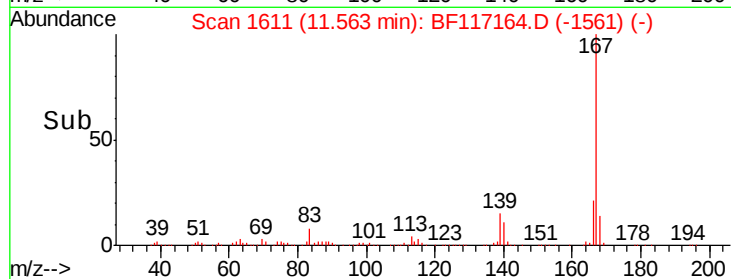
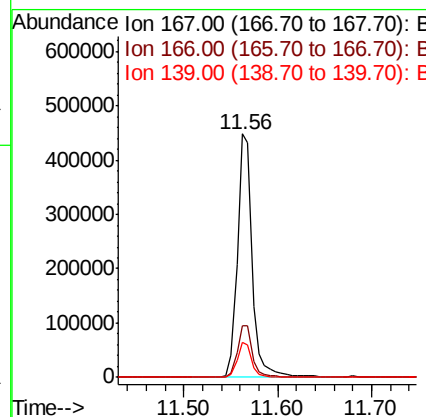
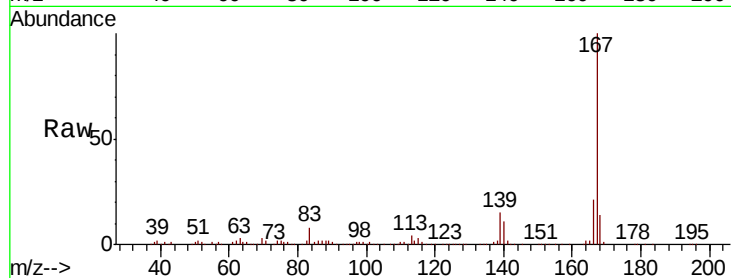
#73
 Carbazole
 Concen: 56.604 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	14.5	10.6	16.0

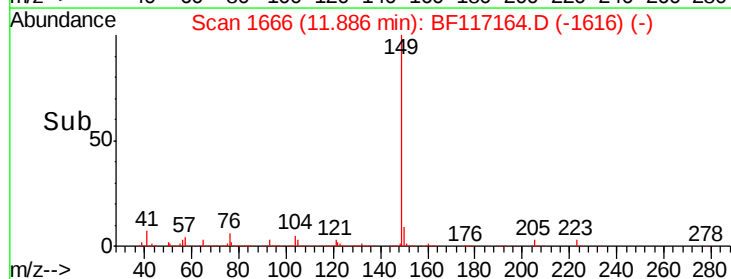
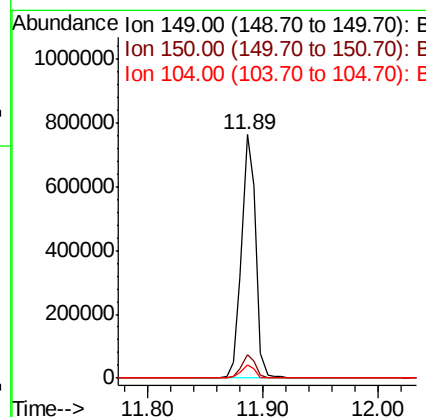
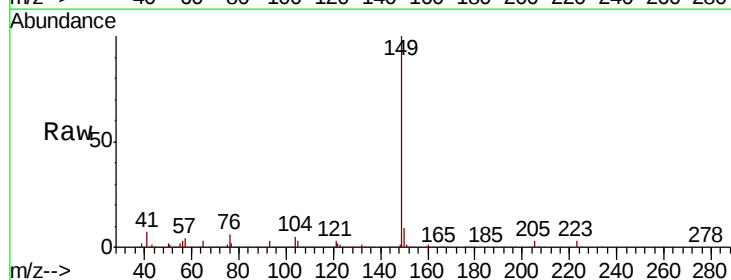
Manual Integrations
 APPROVED

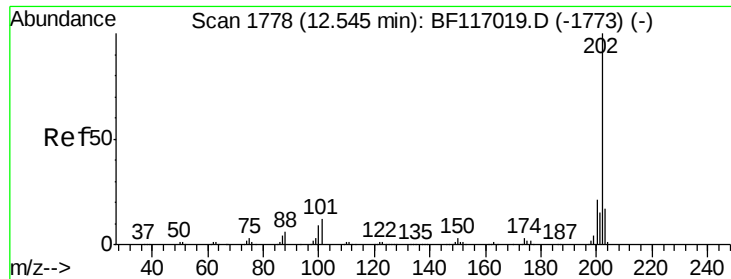
Jagrut
 9/19/2019 10:42:36 AM



#74
 Di-n-butylphthalate
 Concen: 63.219 ng
 RT: 11.89 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.5	4.2	6.4





#75

Fluoranthene

Concen: 71.800 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

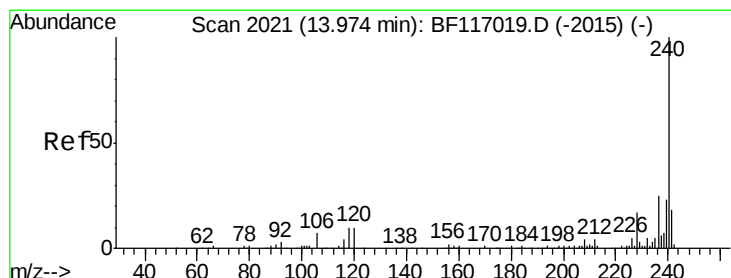
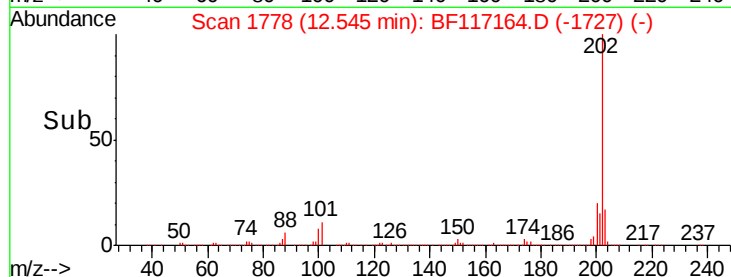
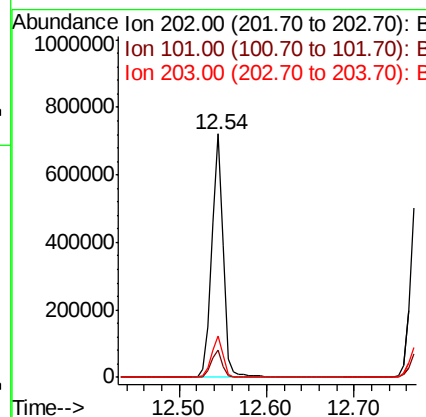
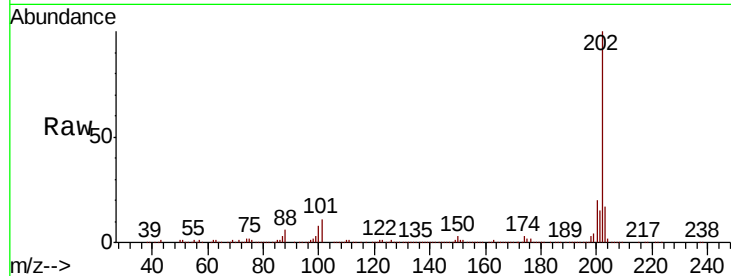
ClientSampleId :

SOIL-COMP-1MSD

Tot Ion:	202	Resp:	660371
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	32.3
203	17.2	0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

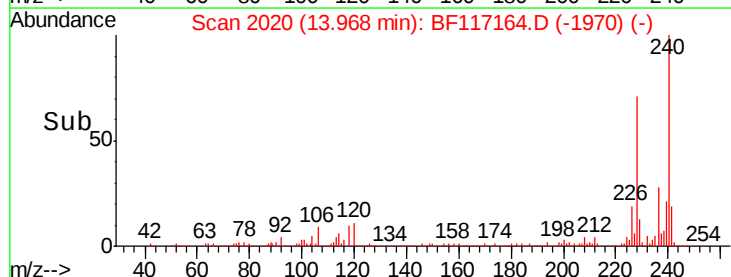
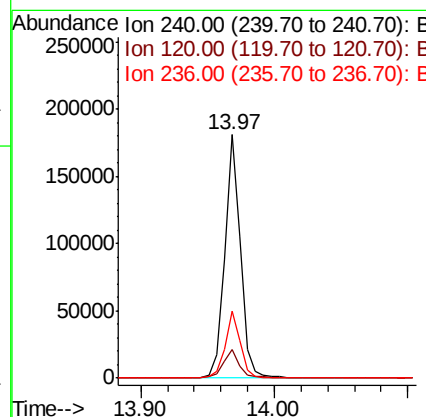
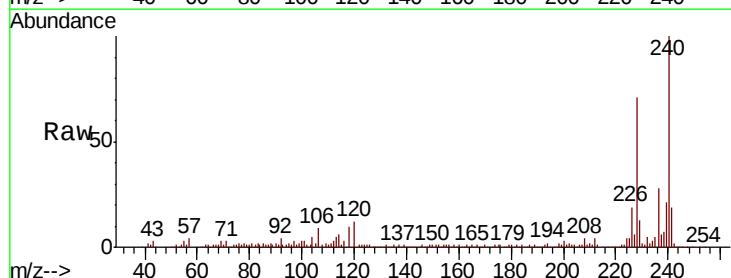
RT: 13.97 min Scan# 2020

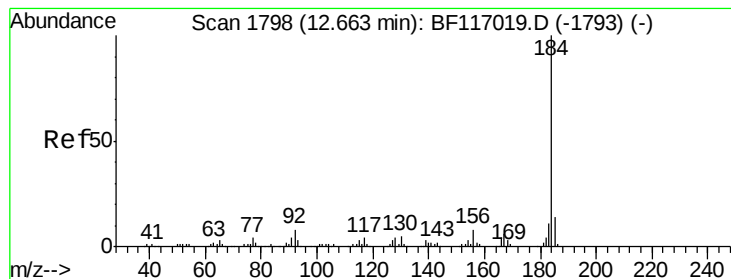
Delta R.T. -0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Tgt Ion:	240	Resp:	150690
Ion Ratio	Lower	Upper	
240	100		
120	11.7	8.3	12.5
236	27.7	20.3	30.5





#77

Benzidine

Concen: 41.949 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

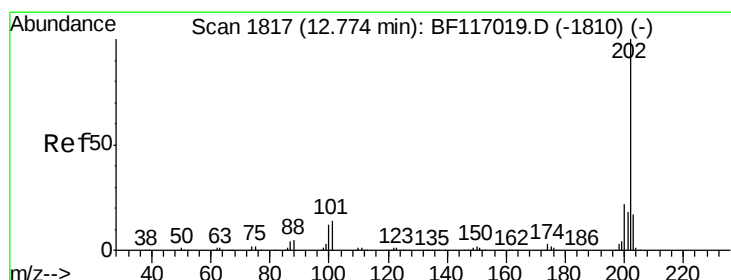
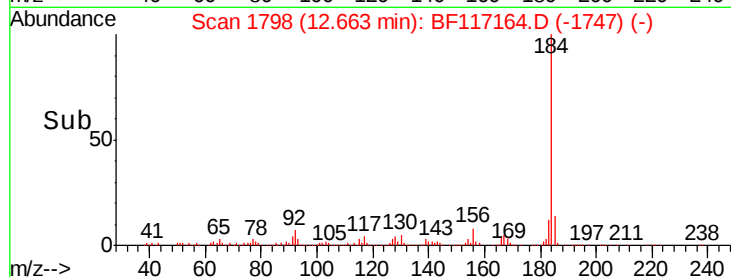
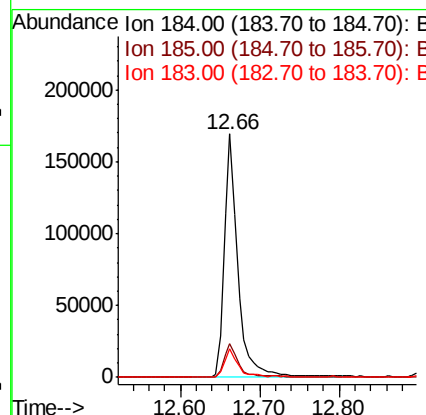
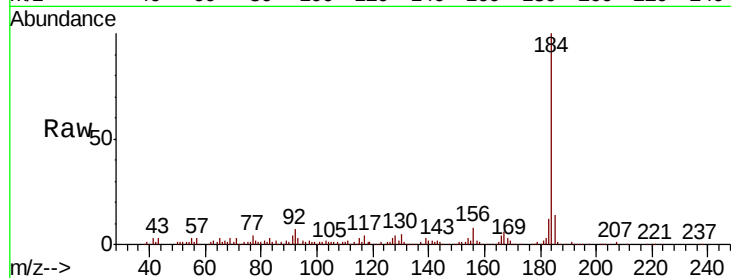
ClientSampleId :

SOIL-COMP-1MSD

Tot Ion:	184	Resp:	203623
Ion Ratio	Lower	Upper	
184	100		
185	13.8	11.6	17.4
183	11.9	9.0	13.4

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#78

Pyrene

Concen: 53.032 ng

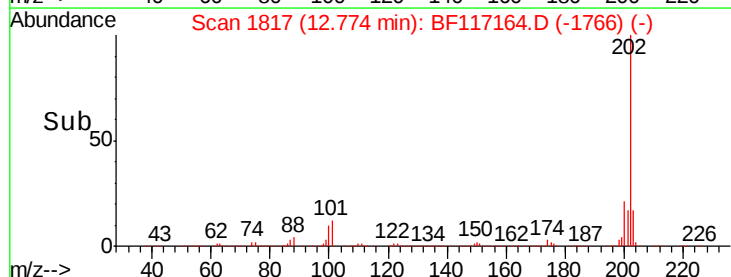
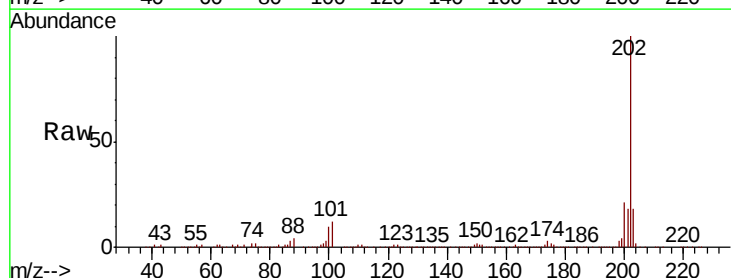
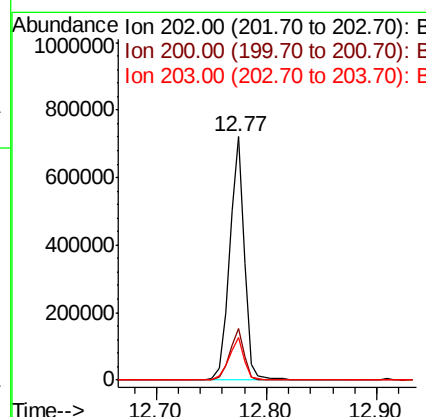
RT: 12.77 min Scan# 1817

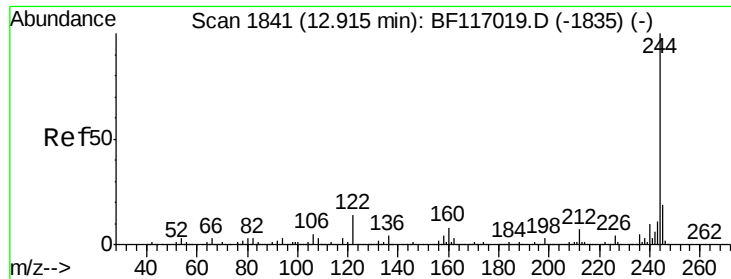
Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Tgt Ion:	202	Resp:	670536
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.2	25.8
203	17.5	14.0	21.0





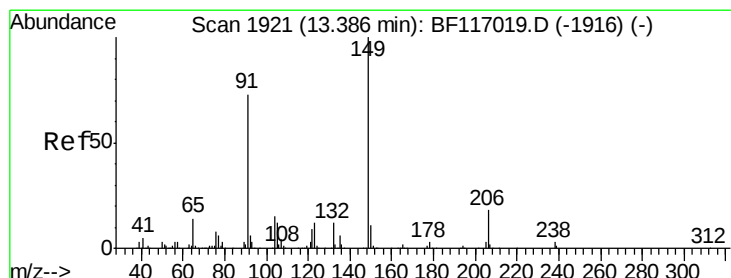
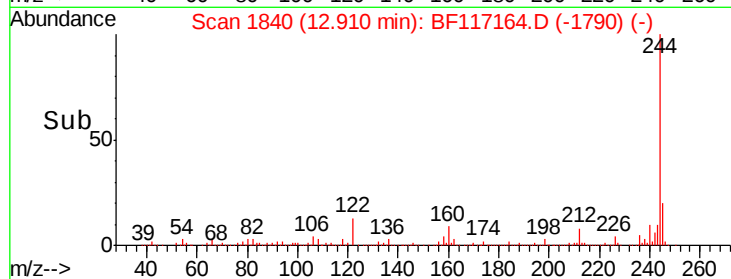
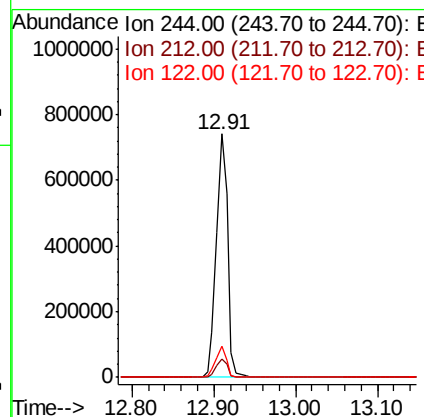
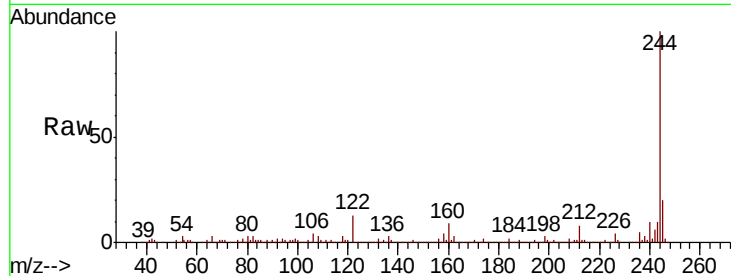
#79
 Terphenyl-d14
 Concen: 88.541 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	13.0	11.3	16.9

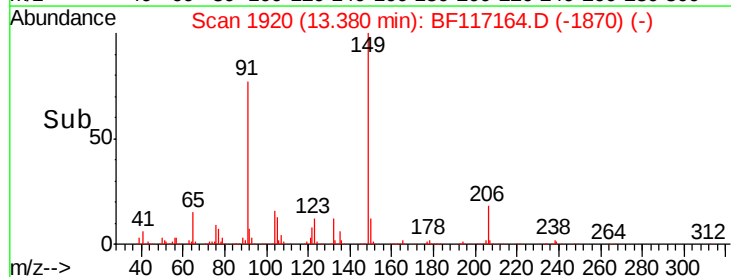
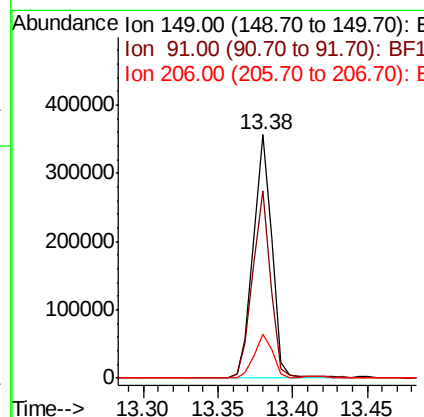
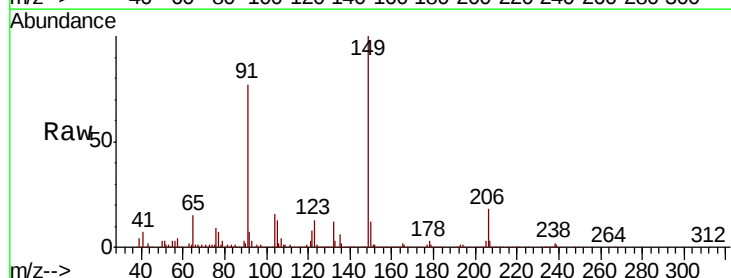
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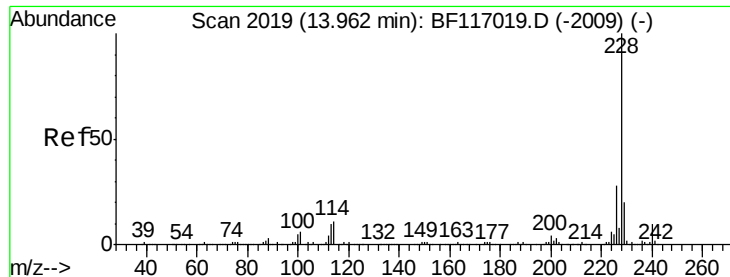
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#80
 Butylbenzylphthalate
 Concen: 51.226 ng
 RT: 13.38 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.7	58.8	88.2
206	18.1	14.1	21.1





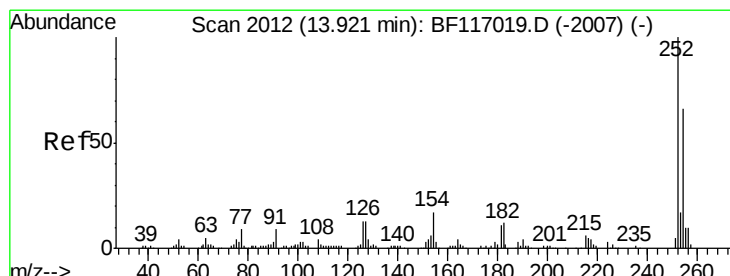
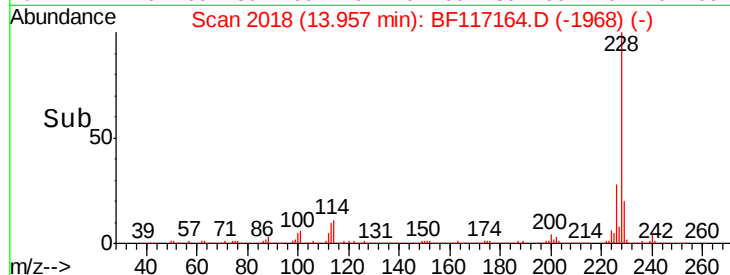
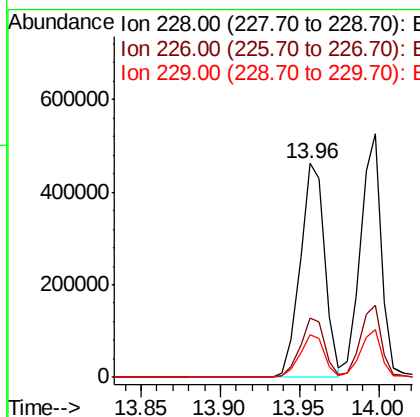
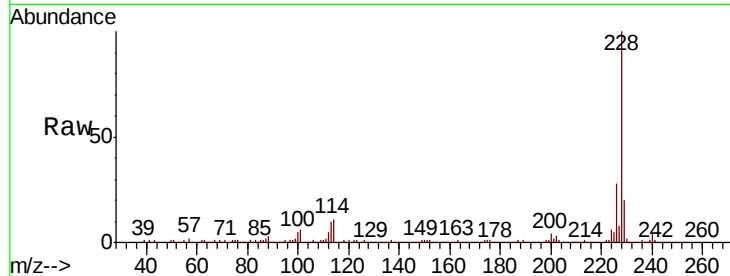
#81
Benzo(a)anthracene
Concen: 48.899 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.3	33.5
229	19.7	15.9	23.9

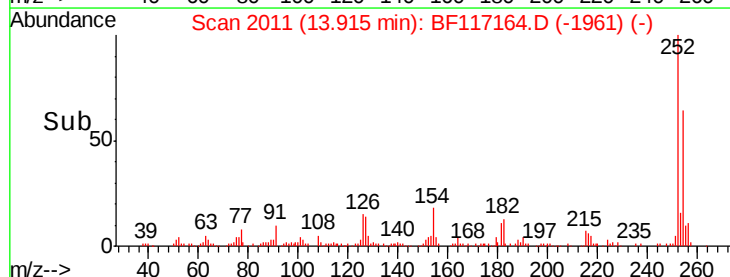
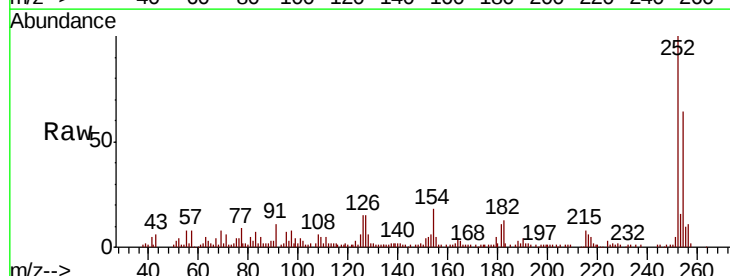
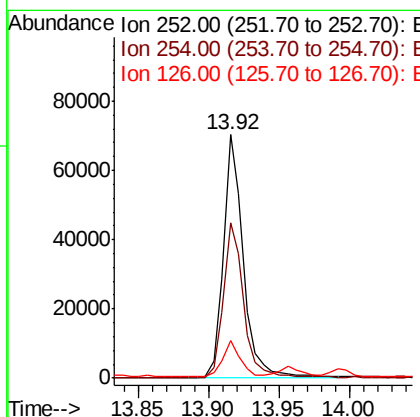
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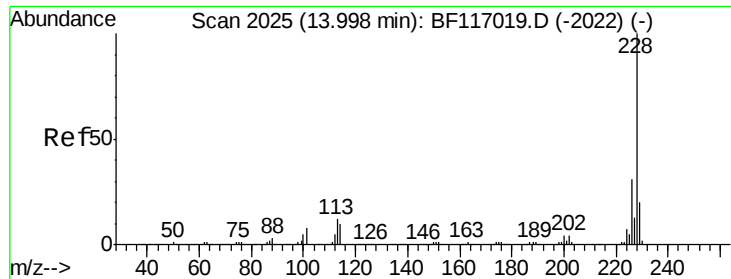
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#82
3,3'-Dichlorobenzidine
Concen: 21.386 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.8	52.6	79.0
126	15.2	10.4	15.6





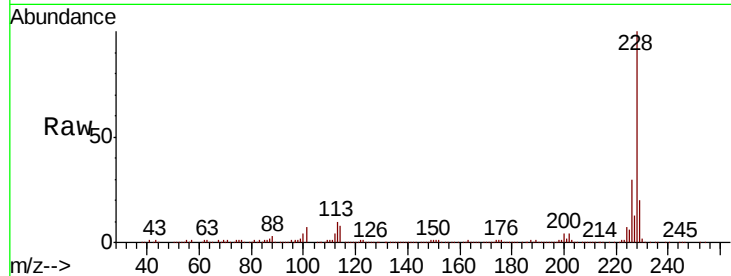
#83
Chrysene
Concen: 50.088 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.8	37.2
229	19.5	15.8	23.8

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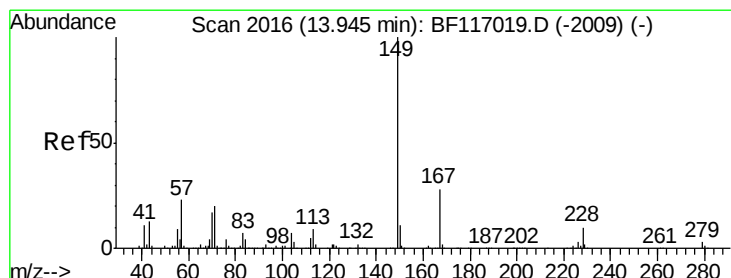
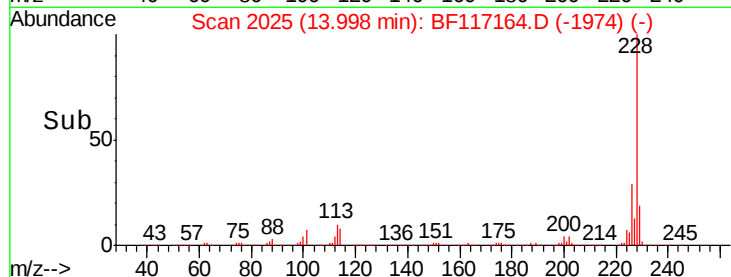
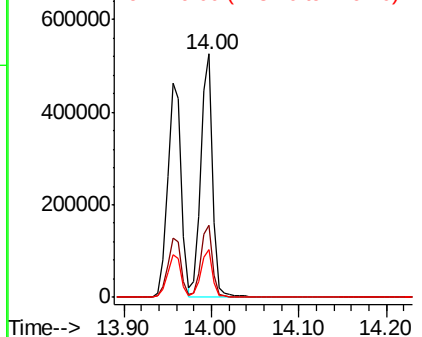


Abundance

Ion 228.00 (227.70 to 228.70): E

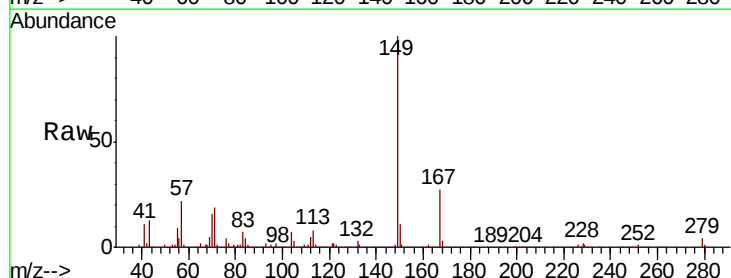
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.696 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.2	33.2
279	3.5	2.8	4.2

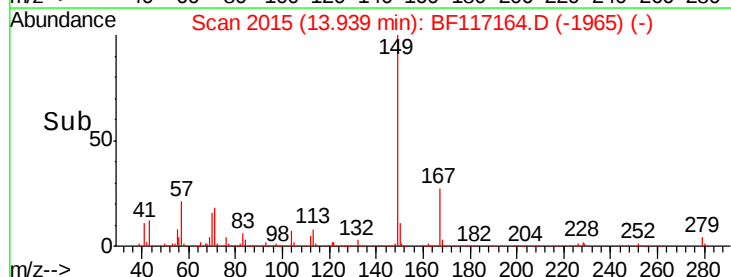
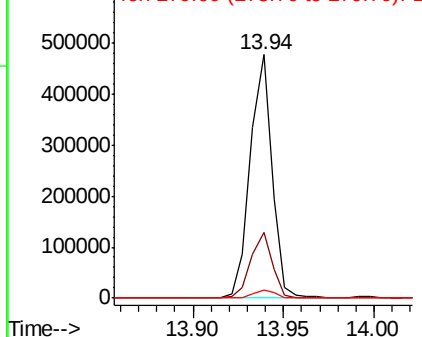


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 51.708 ng

RT: 14.54 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Instrument :

BNA_F

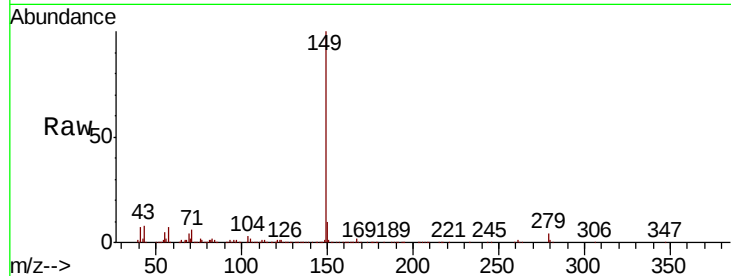
ClientSampleId :

SOIL-COMP-1MSD

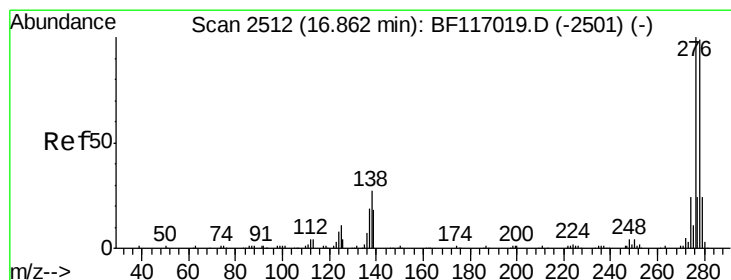
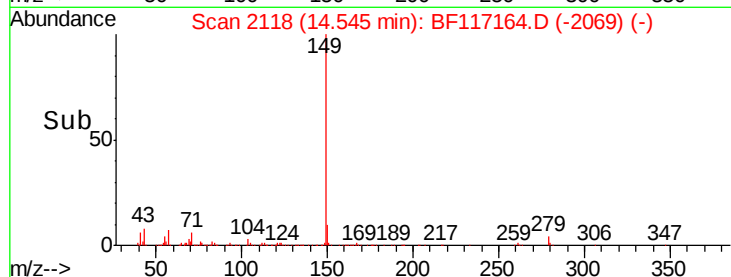
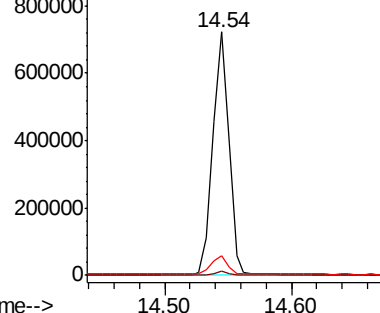
Tot Ion:	149	Resp:	626924
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	7.5	6.2	9.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 67.372 ng

RT: 16.86 min Scan# 2512

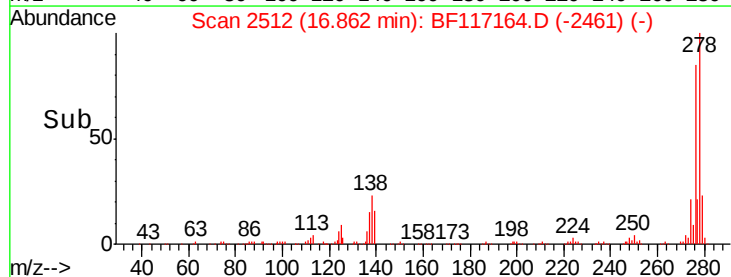
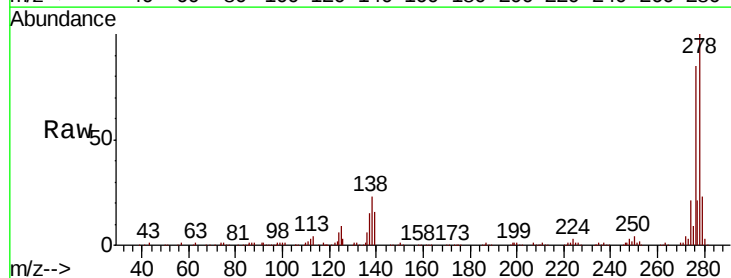
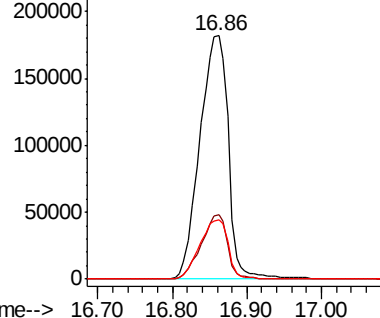
Delta R.T. -0.00 min

Lab File: BF117164.D

Acq: 19 Sep 2019 00:00

Tgt Ion:	276	Resp:	482642
Ion Ratio	Lower	Upper	
276	100		
138	24.5	20.7	31.1
277	24.6	19.8	29.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





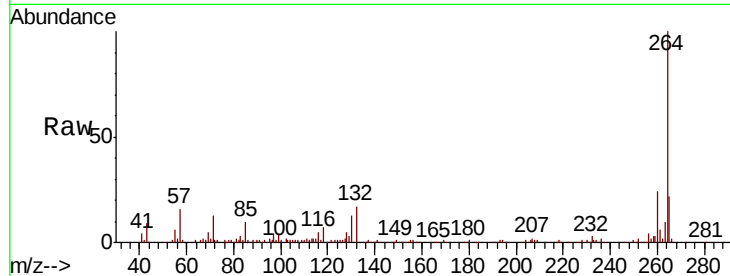
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMP-1MSD

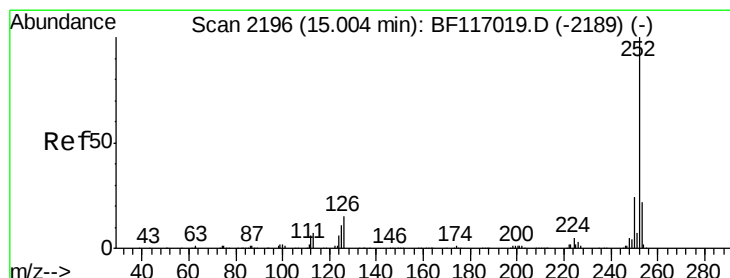
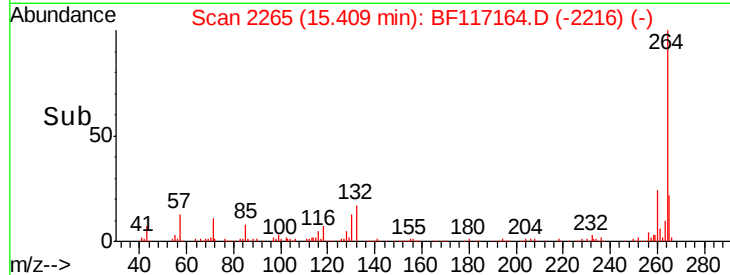
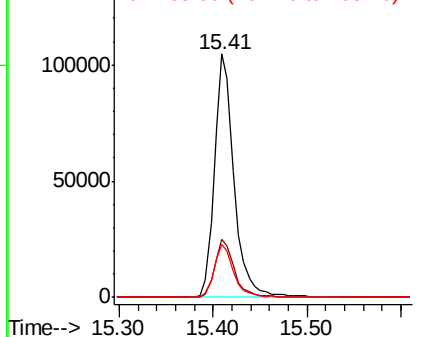
Tot Ion:	264	Resp:	152917
Ion Ratio	Lower	Upper	
264	100		
260	23.6	17.6	26.4
265	21.7	16.6	24.8

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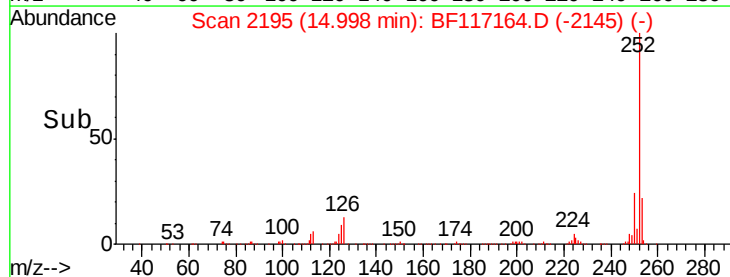
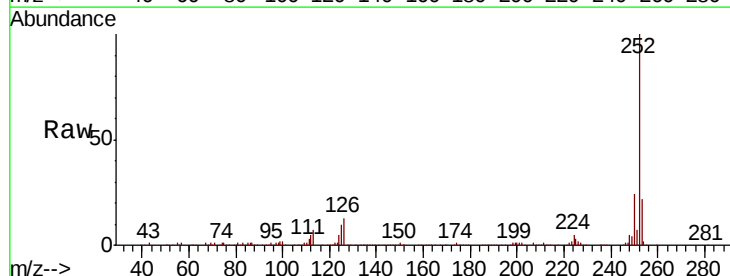
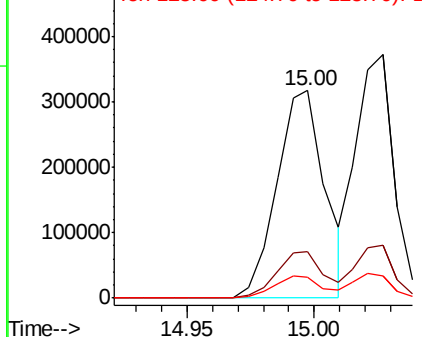
Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

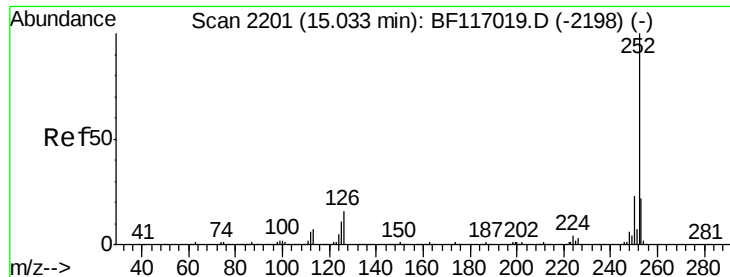


#88
 Benzo(b)fluoranthene
 Concen: 45.239 ng
 RT: 15.00 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: BF117164.D
 Acq: 19 Sep 2019 00:00

Tgt Ion:	252	Resp:	419033
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.6	26.4
125	9.9	8.6	12.8

Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





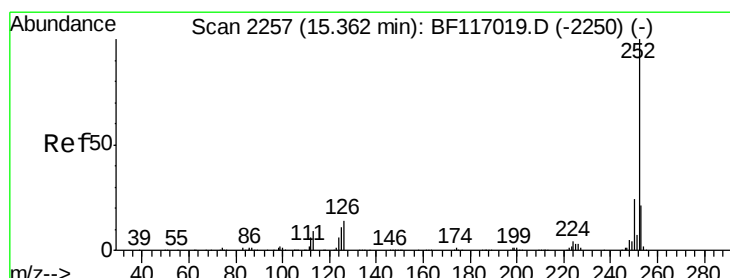
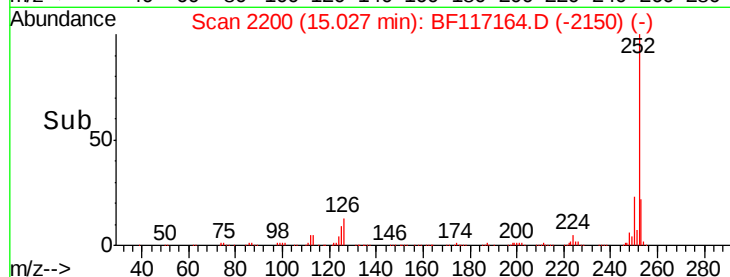
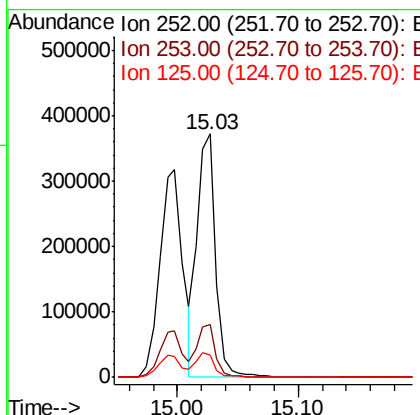
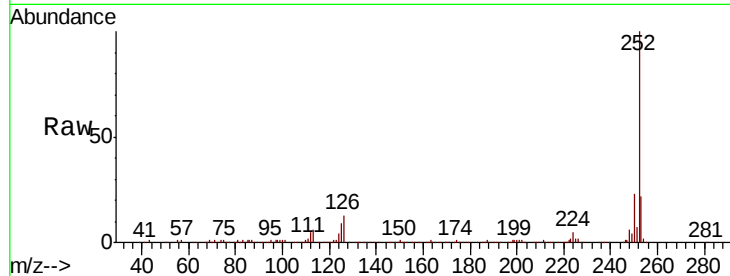
#89
Benzo(k)fluoranthene
Concen: 45.183 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.1	8.8	13.2

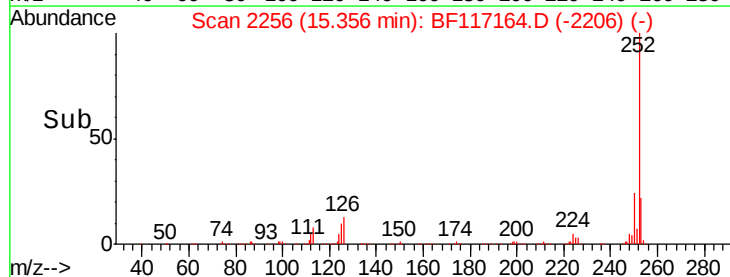
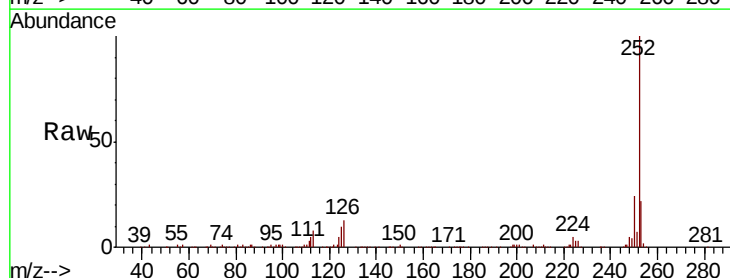
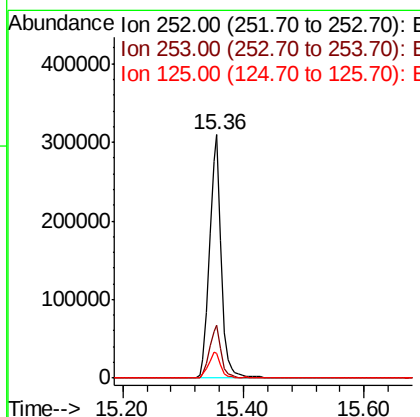
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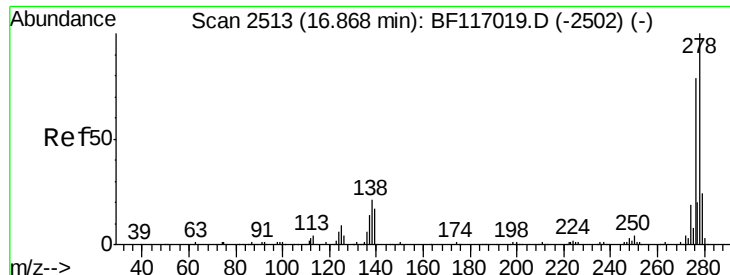
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#90
Benzo(a)pyrene
Concen: 51.575 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.6	25.0
125	10.0	8.9	13.3





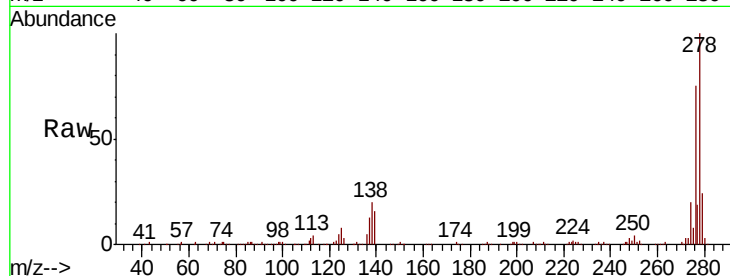
#91
Dibenzo(a,h)anthracene
Concen: 61.064 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-COMP-1MSD

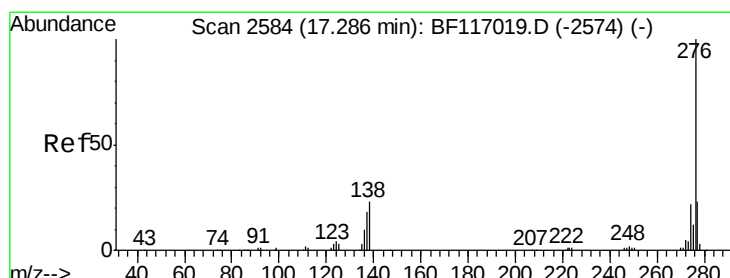
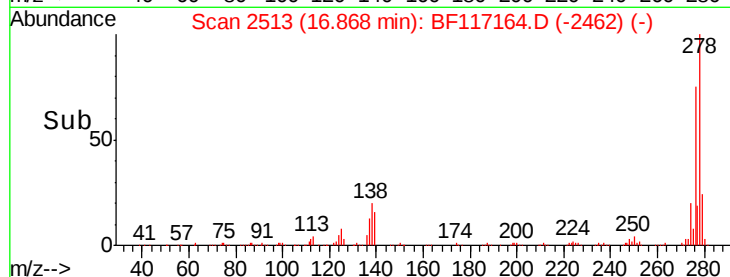
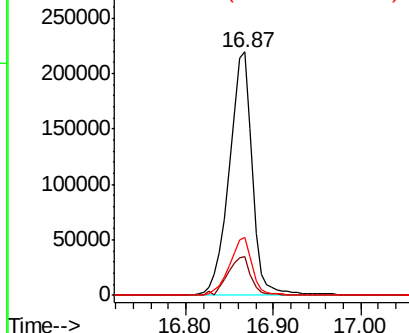
Tot Ion:	278	Resp:	395401
Ion Ratio	Lower	Upper	
278	100		
139	15.7	13.5	20.3
279	23.6	18.8	28.2

Manual Integrations
APPROVED

Jagrut
9/19/2019 10:42:36 AM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 62.912 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BF117164.D
Acq: 19 Sep 2019 00:00

Tgt Ion:	276	Resp:	405937
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.6	27.8
138	22.6	18.0	27.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

