

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114296.D
 Acq On : 15 May 2019 20:32
 Operator : JU/SJ
 Sample : K2851-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:51:09 AM

Quant Time: May 16 08:17:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	278395	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1075724	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	516127	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1044327	20.00	ng	0.00
76) Chrysene-d12	14.03	240	695065	20.00	ng	0.00
87) Perylene-d12	15.51	264	722555	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1869009	108.04	ng	0.01
7) Phenol-d6	6.50	99	2474945	120.96	ng	0.01
23) Nitrobenzene-d5	7.42	82	1536893	80.18	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	585873	109.80	ng	0.01
45) 2-Fluorobiphenyl	9.20	172	1976556	57.93	ng	0.00
79) Terphenyl-d14	12.96	244	2134921	63.32	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.68	88	331763	34.890	ng	99
3) Pyridine	3.43	79	910785	34.764	ng	96
4) n-Nitrosodimethylamine	3.39	42	485998	38.468	ng	93
6) Aniline	6.52	93	703442	23.800	ng	# 1
8) 2-Chlorophenol	6.65	128	811034	43.915	ng	99
9) Benzaldehyde	6.40	77	354586	24.755	ng	98
10) Phenol	6.52	94	1018353	42.309	ng	99
11) bis(2-Chloroethyl)ether	6.59	93	829439	45.391	ng	99
12) 1,3-Dichlorobenzene	6.79	146	832202	40.143	ng	98
13) 1,4-Dichlorobenzene	6.87	146	841112	40.264	ng	97
14) 1,2-Dichlorobenzene	7.02	146	789847	41.385	ng	99
15) Benzyl Alcohol	7.00	79	700894	43.921	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	1460794	41.230	ng	78
17) 2-Methylphenol	7.12	107	661879	43.628	ng	# 92
18) Hexachloroethane	7.36	117	316220	40.328	ng	98
19) n-Nitroso-di-n-propylamine	7.27	70	570262	43.971	ng	98
20) 3+4-Methylphenols	7.27	107	826003	47.125	ng	# 70
22) Acetophenone	7.26	105	1092195	45.831	ng	94
24) Nitrobenzene	7.43	77	896813	45.936	ng	100
25) Isophorone	7.67	82	1641624	46.179	ng	100
26) 2-Nitrophenol	7.75	139	467325	49.338	ng	97
27) 2,4-Dimethylphenol	7.79	122	753230	50.633	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	1045025	45.306	ng	100
29) 2,4-Dichlorophenol	8.00	162	689564	46.550	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	711382	42.232	ng	100
31) Naphthalene	8.16	128	2344217	46.652	ng	100
32) Benzoic acid	7.90	122	130376	17.514	ng	97
33) 4-Chloroaniline	8.20	127	242399	10.586	ng	97
34) Hexachlorobutadiene	8.27	225	388599	40.545	ng	96
35) Caprolactam	8.59	113	292862m	60.631	ng	
36) 4-Chloro-3-methylphenol	8.70	107	758330	50.858	ng	98
37) 2-Methylnaphthalene	8.85	142	1563002	48.211	ng	98
38) 1-Methylnaphthalene	8.95	142	1467475	48.065	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	679847	43.484	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	433015	60.559	nq	98
43) 2,4,6-Trichlorophenol	9.13	196	478186	44.466	nq	98
44) 2,4,5-Trichlorophenol	9.18	196	514080	46.613	nq	98
46) 1,1'-Biphenyl	9.31	154	1833186	43.965	nq	99
47) 2-Chloronaphthalene	9.34	162	1408295	41.968	nq	98
48) 2-Nitroaniline	9.43	65	533397	44.820	nq	99
49) Acenaphthylene	9.75	152	2251558	44.116	nq	100
50) Dimethylphthalate	9.61	163	2124832	56.081	nq	99
51) 2,6-Dinitrotoluene	9.68	165	392070	46.655	nq	90
52) Acenaphthene	9.92	154	1331042	42.500	nq	98
53) 3-Nitroaniline	9.85	138	283728	27.198	nq	99
54) 2,4-Dinitrophenol	9.96	184	199614	50.001	nq	94
55) Dibenzofuran	10.10	168	1908928	41.567	nq	98
56) 4-Nitrophenol	10.03	139	576175	78.101	nq	97
57) 2,4-Dinitrotoluene	10.09	165	492128	43.146	nq	# 86
58) Fluorene	10.44	166	1565073	44.121	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.22	232	428385	45.018	nq	99
60) Diethylphthalate	10.31	149	1688787	43.868	nq	100
61) 4-Chlorophenyl-phenylether	10.43	204	734540	42.161	nq	100
62) 4-Nitroaniline	10.47	138	472791	43.130	nq	97
63) Azobenzene	10.59	77	1653270	44.367	nq	99
65) 4,6-Dinitro-2-methylphenol	10.50	198	217182	43.280	nq	82
66) n-Nitrosodiphenylamine	10.55	169	1430934	45.146	nq	100
67) 4-Bromophenyl-phenylether	10.92	248	491064	42.707	nq	98
68) Hexachlorobenzene	10.99	284	524040	41.197	nq	97
69) Atrazine	11.08	200	446711	45.289	nq	98
70) Pentachlorophenol	11.19	266	494134	81.946	nq	99
71) Phenanthrene	11.40	178	2404092	47.317	nq	100
72) Anthracene	11.46	178	2351123	46.071	nq	99
73) Carbazole	11.61	167	2255209	46.343	nq	100
74) Di-n-butylphthalate	11.93	149	2621050	46.751	nq	98
75) Fluoranthene	12.59	202	2713360	49.592	nq	98
77) Benzidine	12.70	184	984318	31.548	nq	97
78) Pyrene	12.82	202	2688928	48.090	nq	99
80) Butylbenzylphthalate	13.43	149	1218534	51.775	nq	97
81) Benzo(a)anthracene	14.02	228	2188561	48.682	nq	100
82) 3,3'-Dichlorobenzidine	13.97	252	462711	26.532	nq	99
83) Chrysene	14.05	228	2059043	46.722	nq	99
84) Bis(2-ethylhexyl)phthalate	13.99	149	1659690	53.920	nq	100
85) Di-n-octyl phthalate	14.62	149	2668597	53.482	nq	99
86) Indeno(1,2,3-cd)pyrene	17.01	276	2173673	55.809	nq	99
88) Benzo(b)fluoranthene	15.08	252	2056804	44.432	nq	99
89) Benzo(k)fluoranthene	15.11	252	1875381	44.103	nq	99
90) Benzo(a)pyrene	15.45	252	1884101	46.247	nq	100
91) Dibenzo(a,h)anthracene	17.02	278	1753080	51.785	nq	100
92) Benzo(g,h,i)perylene	17.46	276	1883744	55.525	nq	99

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

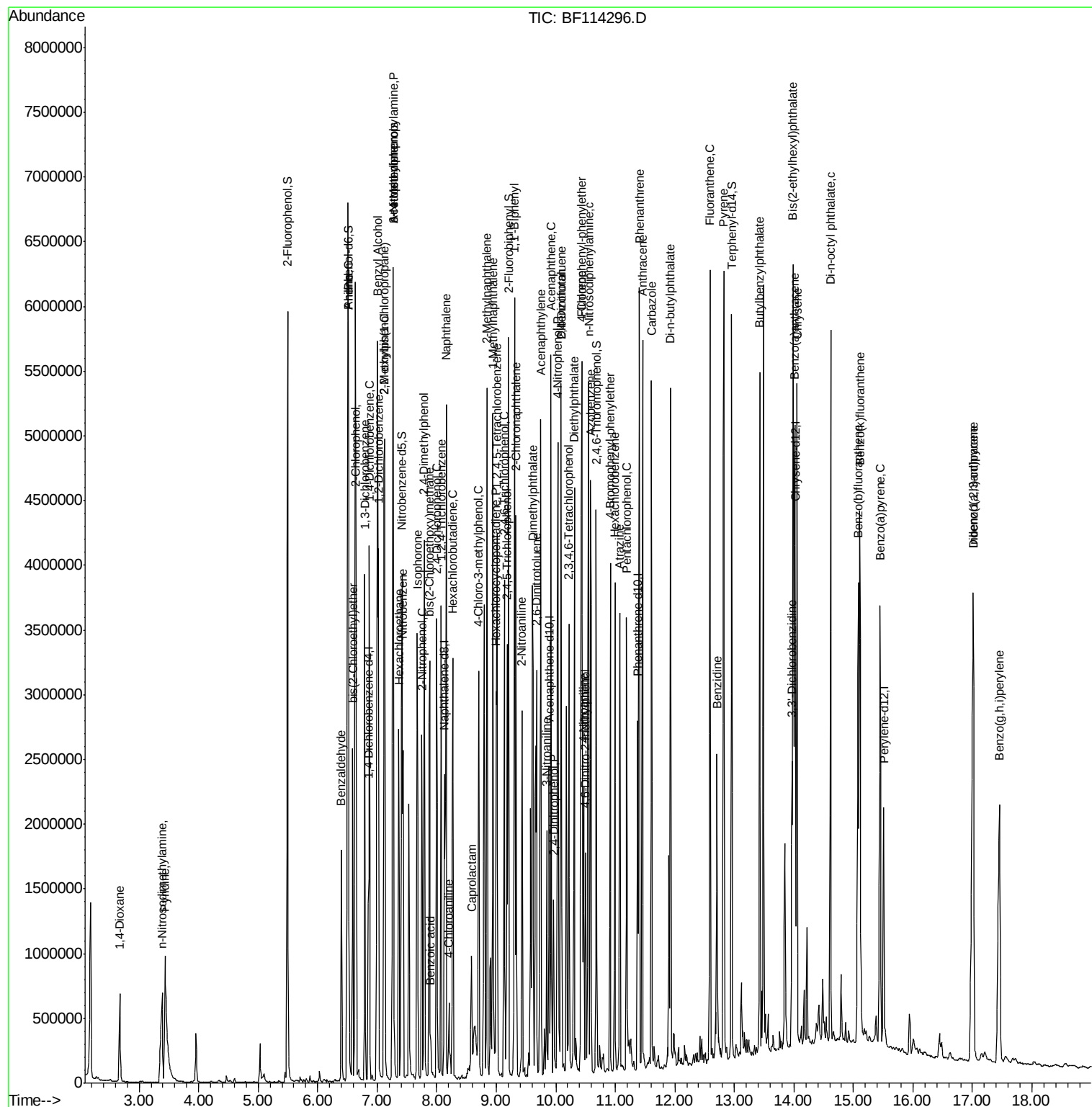
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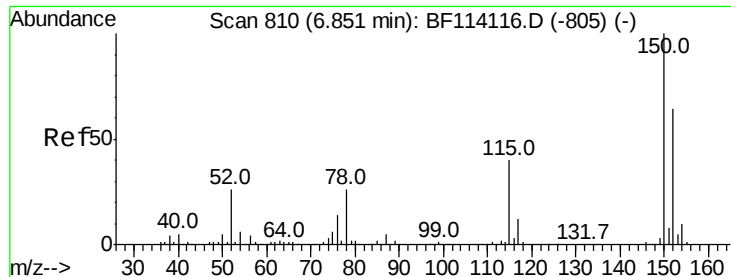
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:152 Resp: 278395

Ion Ratio Lower Upper

152 100

150 153.6 124.3 186.5

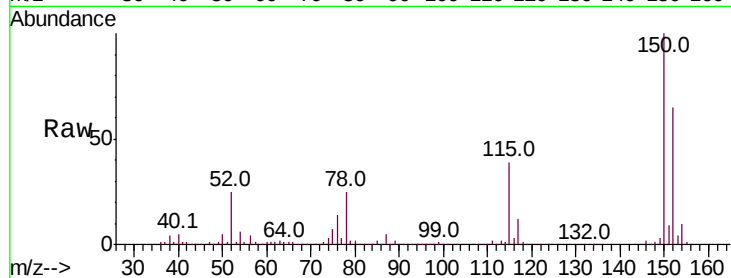
115 59.3 49.1 73.7

Manual Integrations

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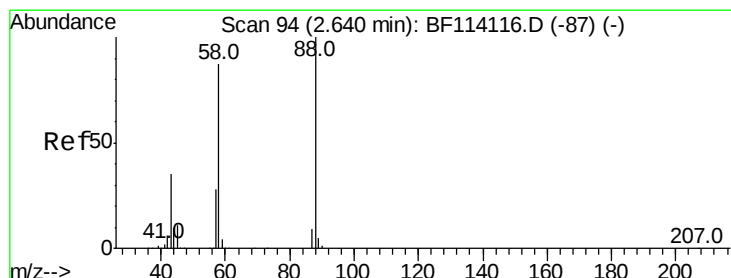
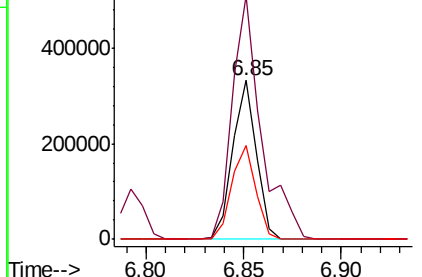
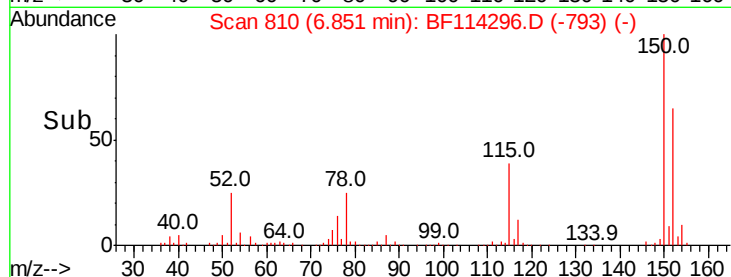
5/16/2019 9:51:09 AM



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: 34.890 ng

RT: 2.68 min Scan# 100

Delta R.T. 0.04 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

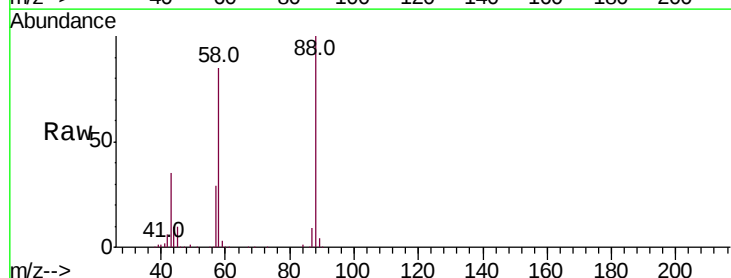
Tgt Ion: 88 Resp: 331763

Ion Ratio Lower Upper

88 100

58 84.3 68.7 103.1

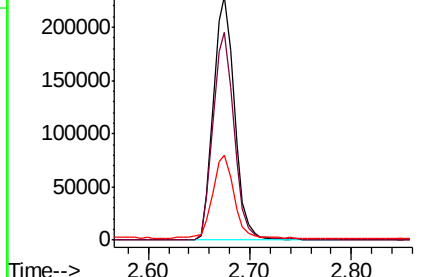
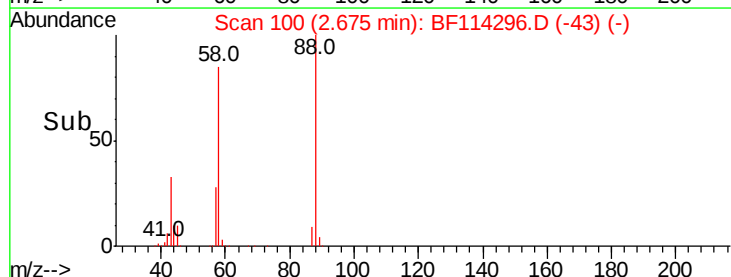
43 34.8 28.2 42.2

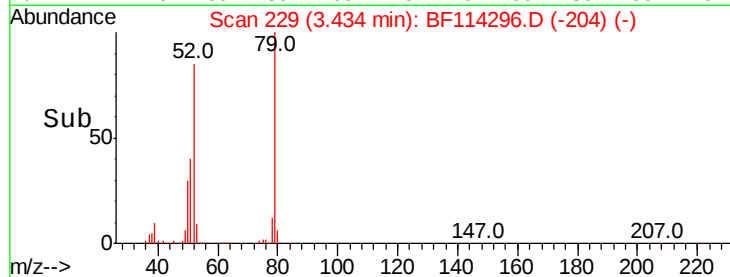
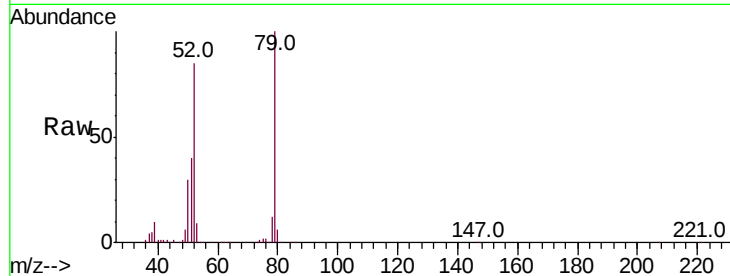
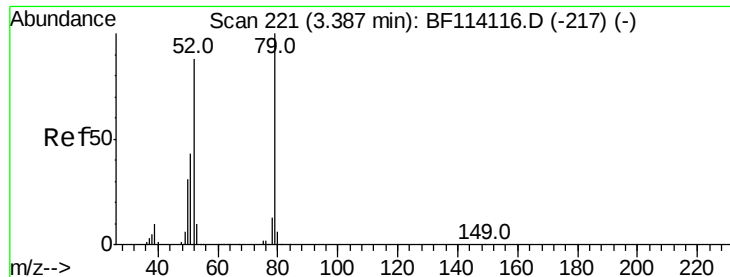


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 34.764 ng

RT: 3.43 min Scan# 229

Delta R.T. 0.05 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Tot Ion:	79	Resp:	910785
Ion Ratio	Lower	Upper	
79	100		
52	84.7	70.6	105.8
51	40.1	34.2	51.2

Instrument :

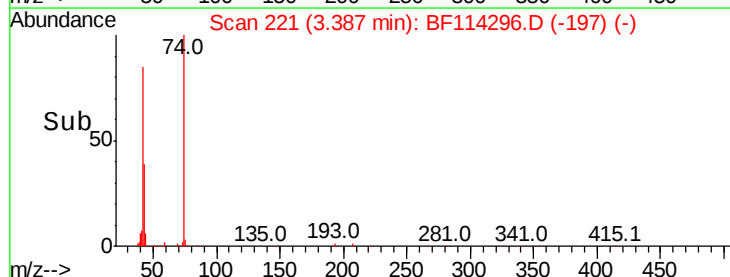
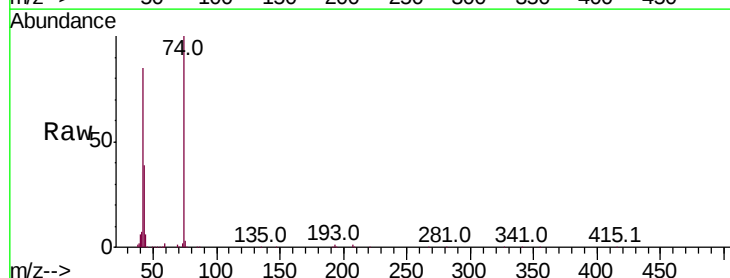
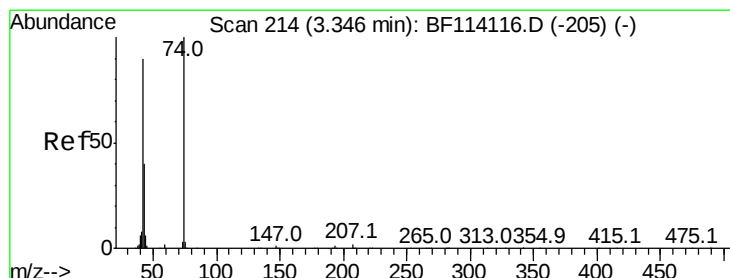
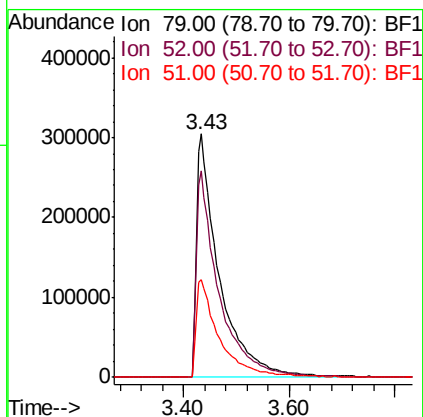
BNA_F

ClientSampleId :

SOIL-COMPMS

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#4

n-Nitrosodimethylamine

Concen: 38.468 ng

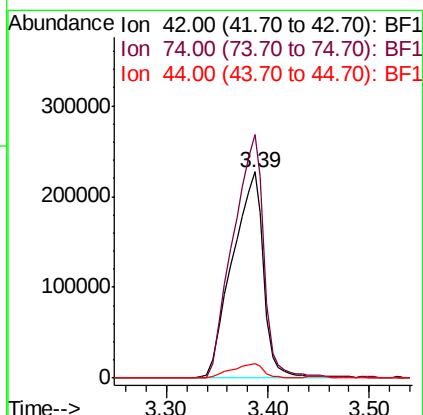
RT: 3.39 min Scan# 221

Delta R.T. 0.04 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Tgt Ion:	42	Resp:	485998
Ion Ratio	Lower	Upper	
42	100		
74	118.2	88.6	132.8
44	7.1	5.5	8.3





#5

2-Fluorophenol

Concen: 108.038 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:112 Resp: 1869009

Ion Ratio Lower Upper

112 100

64 67.7 49.0 73.6

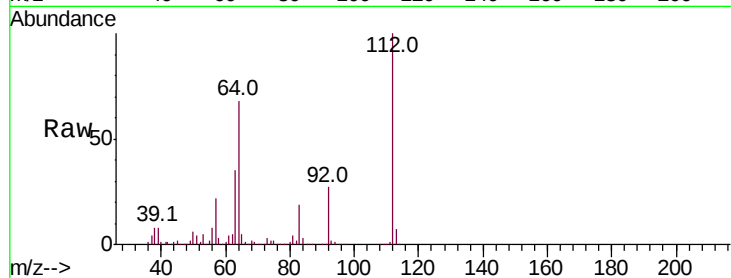
63 34.5 24.6 37.0

Manual Integrations

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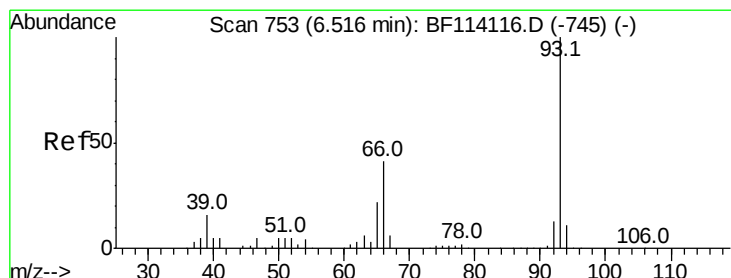
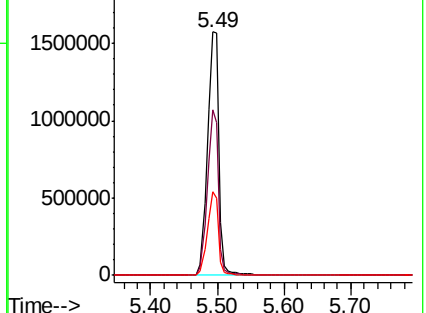
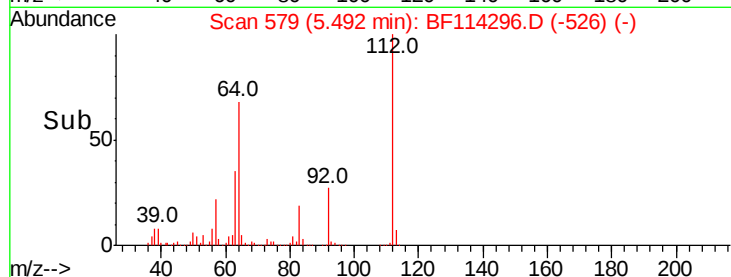
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 23.800 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

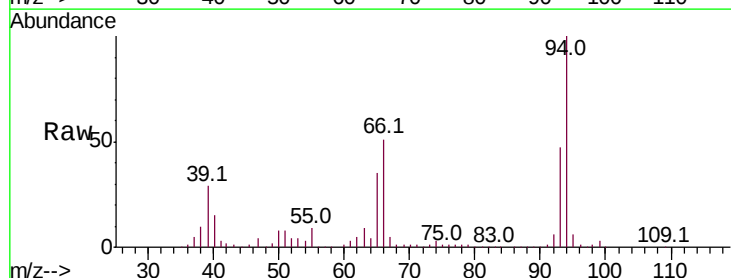
Tgt Ion: 93 Resp: 703442

Ion Ratio Lower Upper

93 100

66 107.0 33.2 49.8#

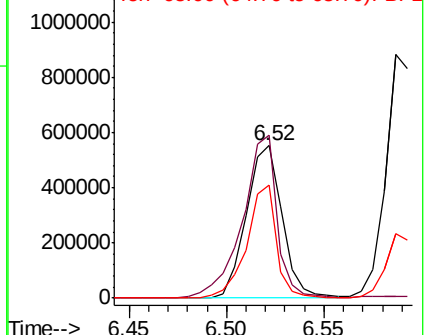
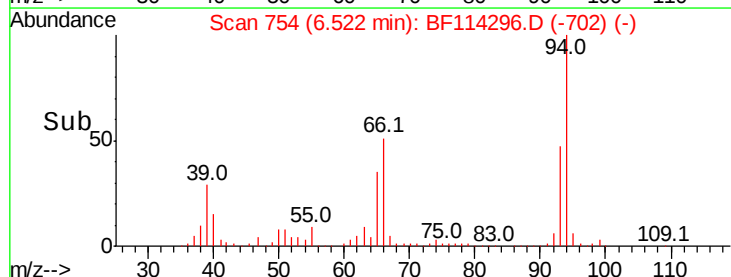
65 74.7 17.6 26.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 120.961 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

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Tot Ion: 99 Resp: 2474945

Ion Ratio Lower Upper

99 100

42 22.6 17.9 26.9

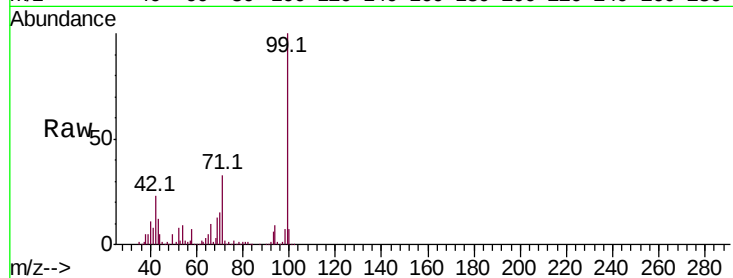
71 33.3 26.2 39.2

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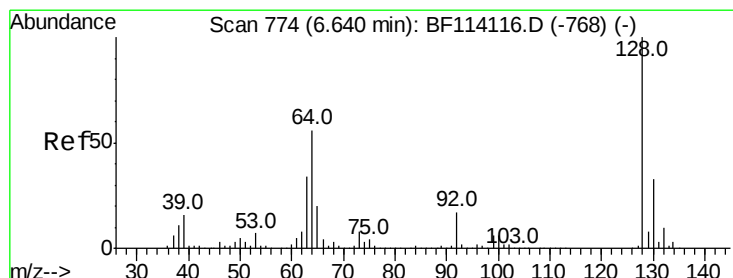
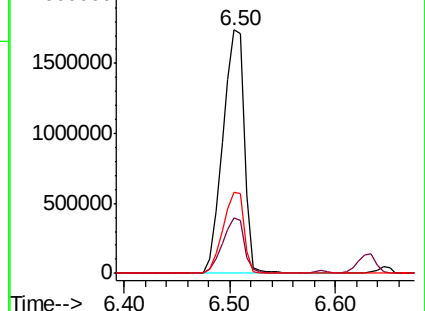
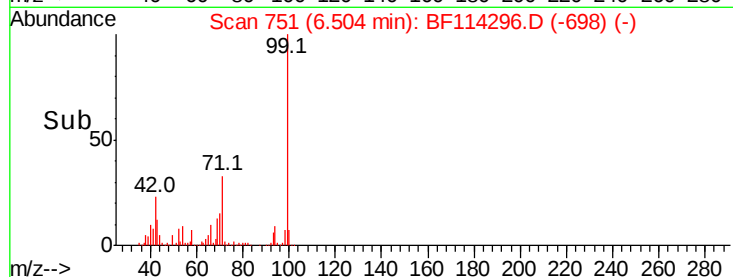
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 43.915 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

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Acq: 15 May 2019 20:32

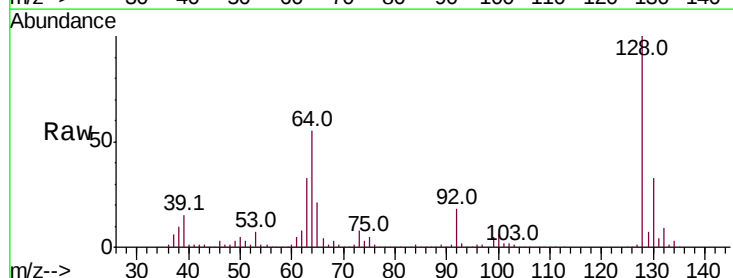
Tgt Ion: 128 Resp: 811034

Ion Ratio Lower Upper

128 100

130 33.2 12.6 52.6

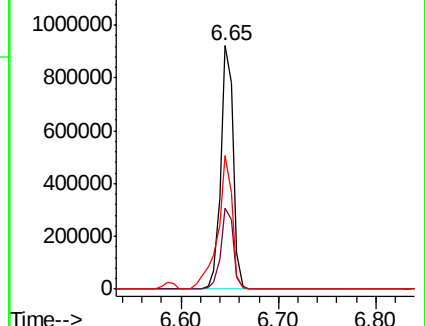
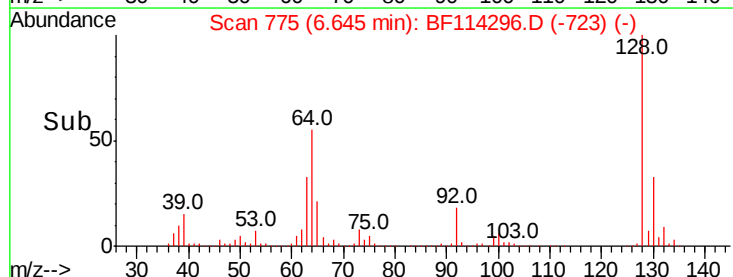
64 54.7 35.9 75.9

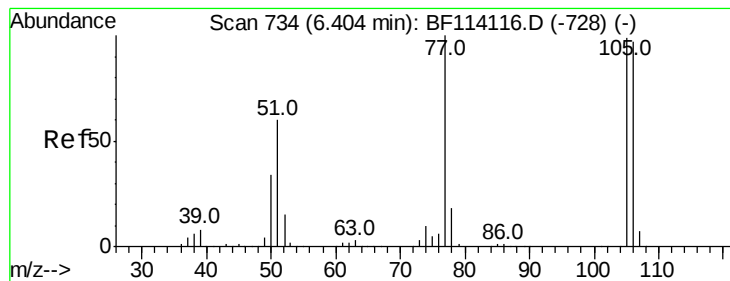


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 24.755 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

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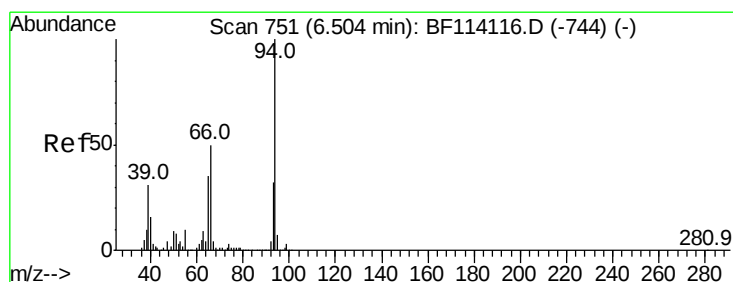
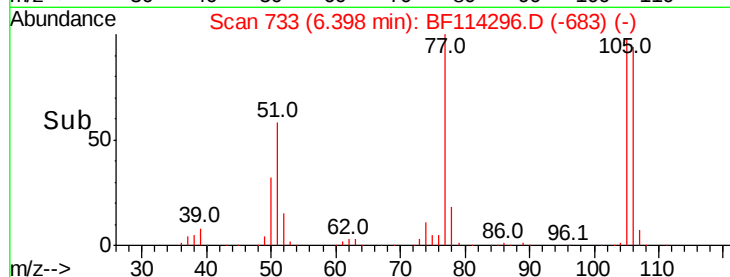
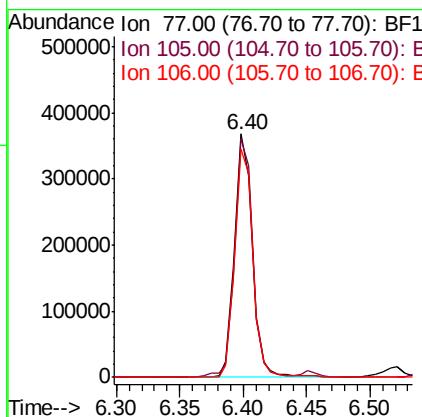
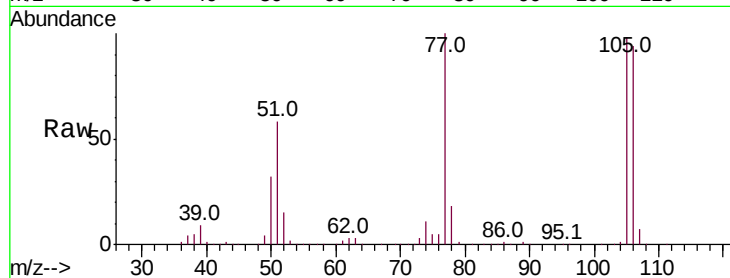
ClientSampleId :

SOIL-COMPMS

Tot Ion:	77	Resp:	354586
Ion Ratio	Lower	Upper	
77	100		
105	98.0	79.3	119.3
106	93.8	77.0	117.0

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#10

Phenol

Concen: 42.309 ng

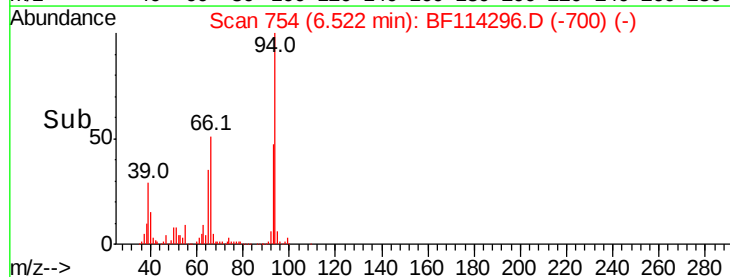
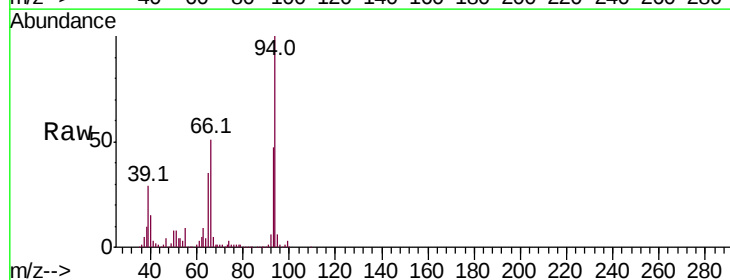
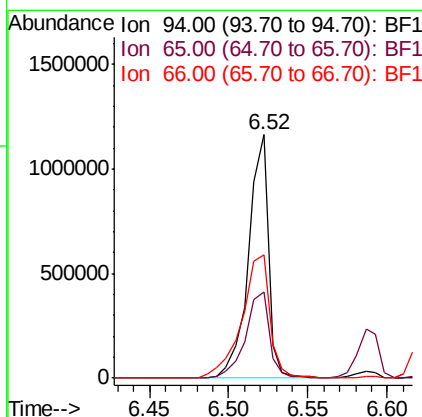
RT: 6.52 min Scan# 754

Delta R.T. 0.02 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Tgt Ion:	94	Resp:	1018353
Ion Ratio	Lower	Upper	
94	100		
65	35.4	14.7	54.7
66	50.7	29.6	69.6





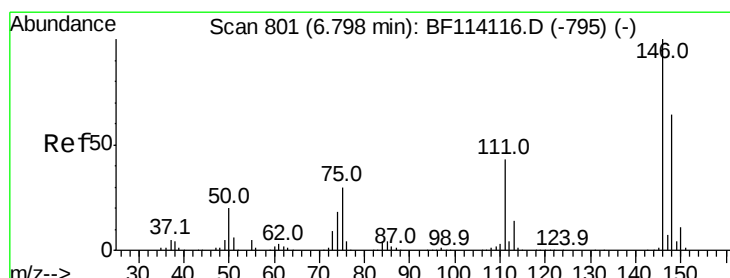
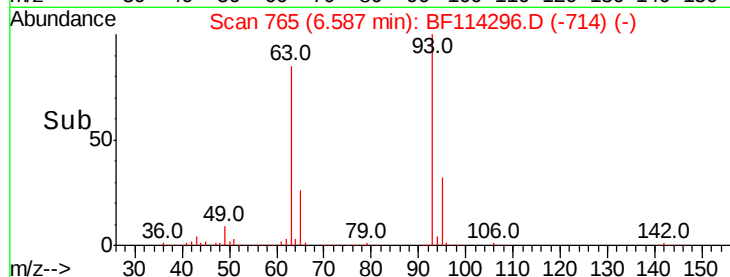
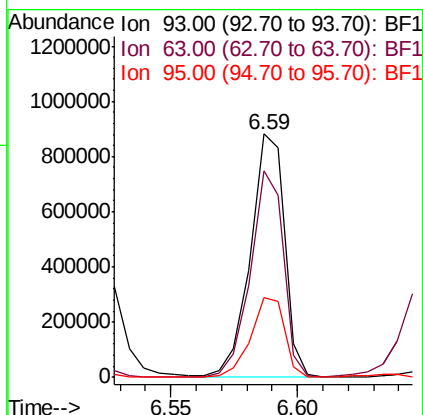
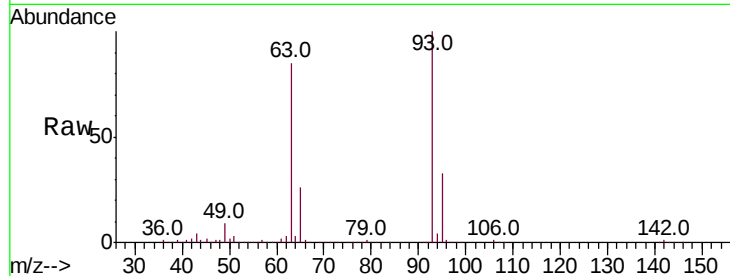
#11
bis(2-Chloroethyl)ether
Concen: 45.391 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	84.6	63.6	103.6
95	32.6	13.1	53.1

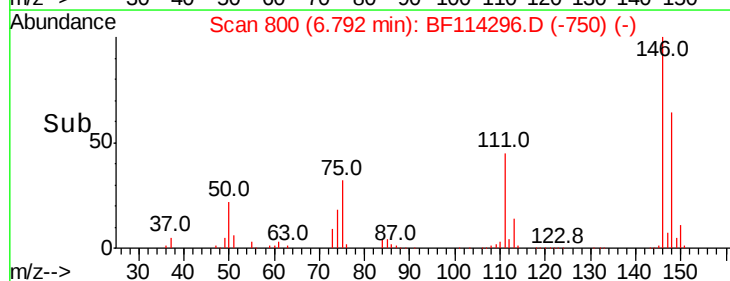
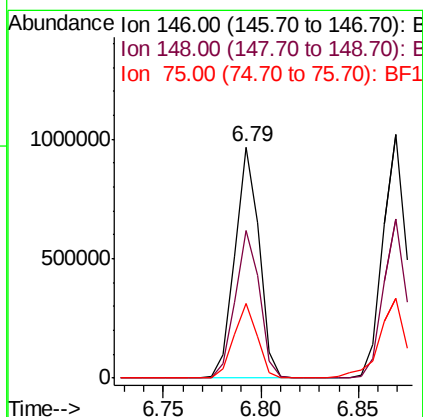
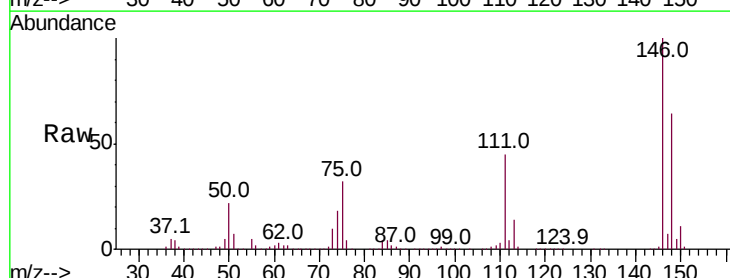
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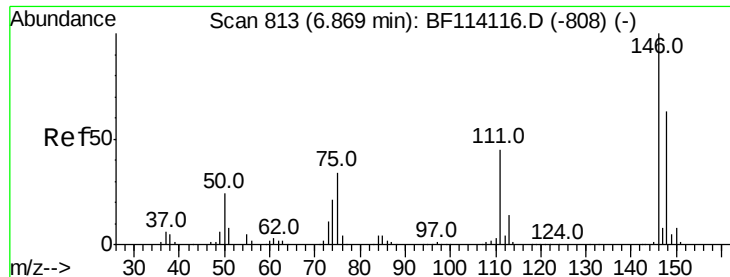
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#12
1,3-Dichlorobenzene
Concen: 40.143 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
75	32.5	24.2	36.2





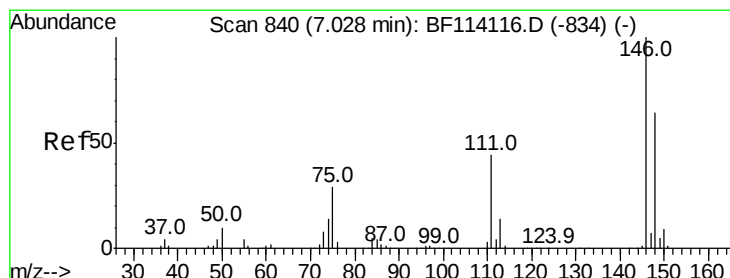
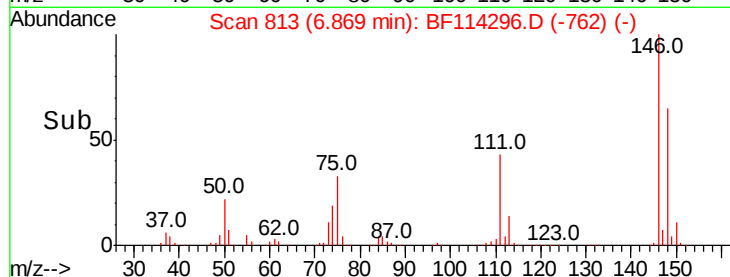
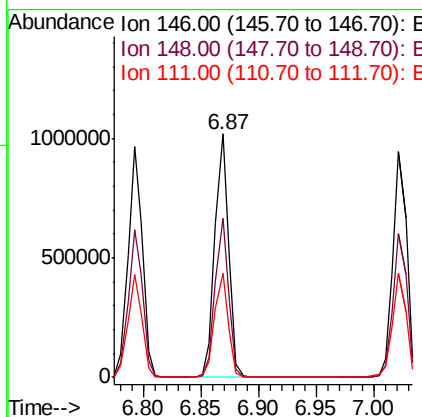
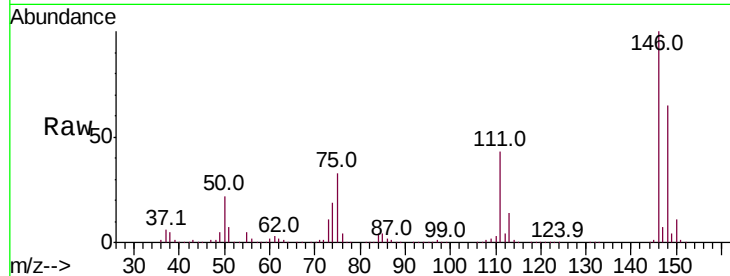
#13
1,4-Dichlorobenzene
Concen: 40.264 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.2	75.2
111	42.6	35.8	53.6

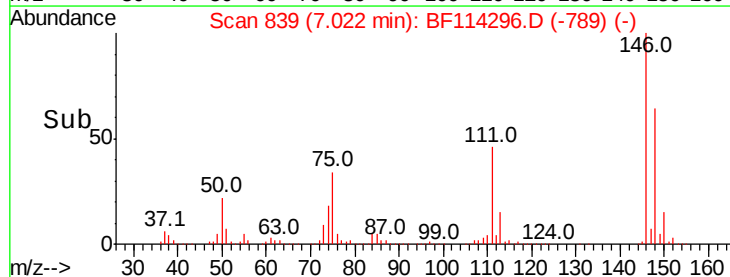
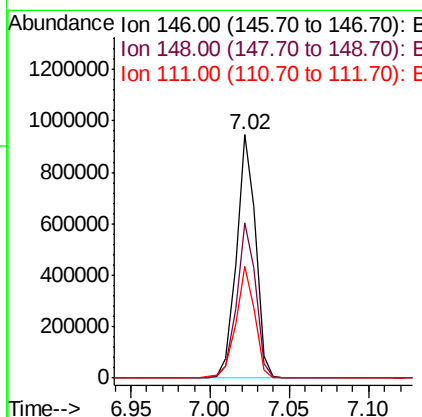
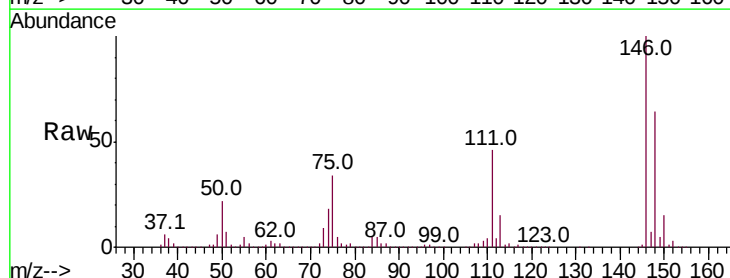
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#14
1,2-Dichlorobenzene
Concen: 41.385 ng
RT: 7.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.1	76.7
111	45.9	35.3	52.9





#15

Benzyl Alcohol

Concen: 43.921 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

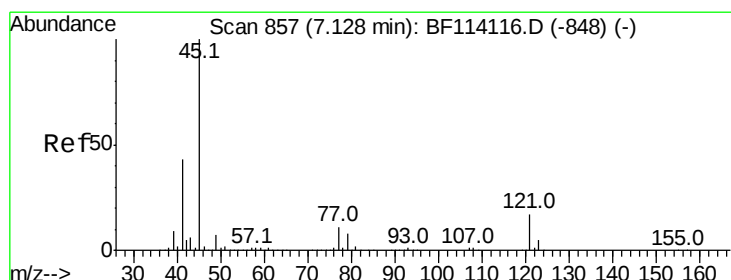
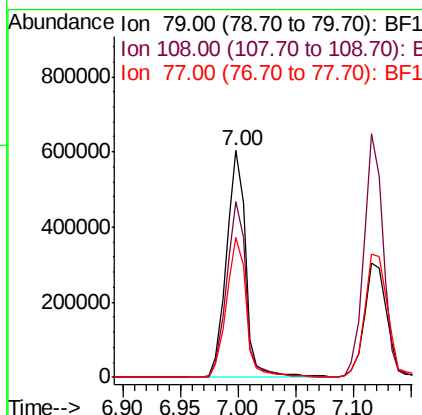
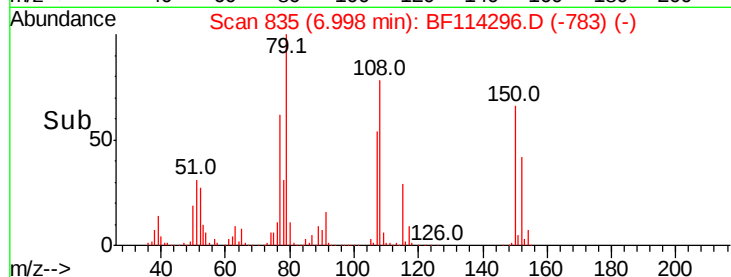
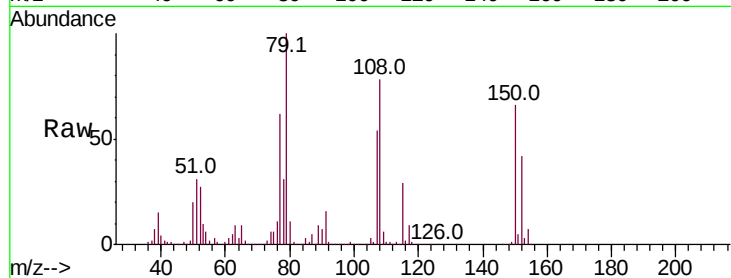
ClientSampleId :

SOIL-COMPMS

Tot Ion:	79	Resp:	700894
Ion Ratio	Lower	Upper	
79	100		
108	77.6	62.1	93.1
77	62.0	51.0	76.6

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.230 ng

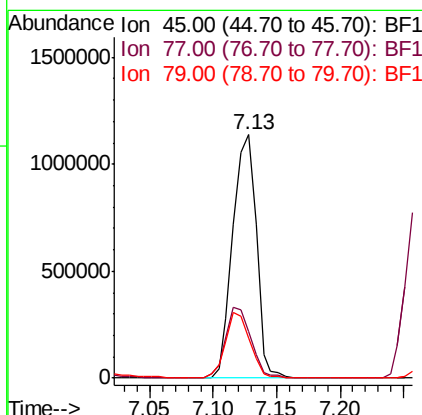
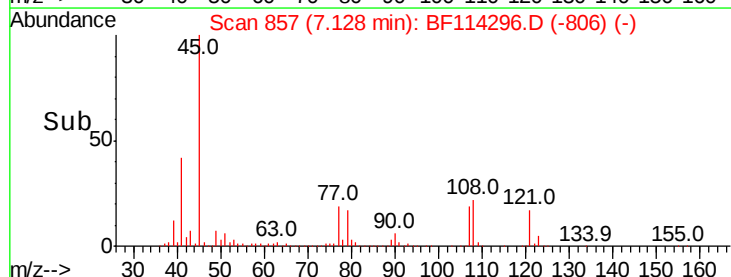
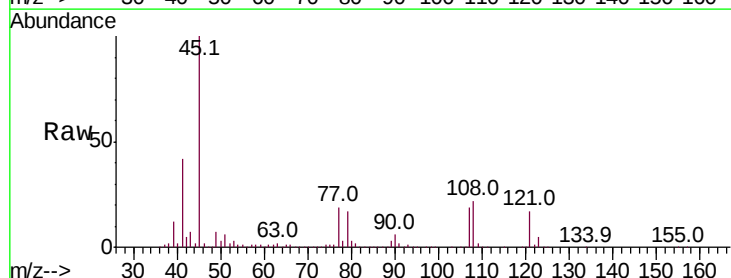
RT: 7.13 min Scan# 857

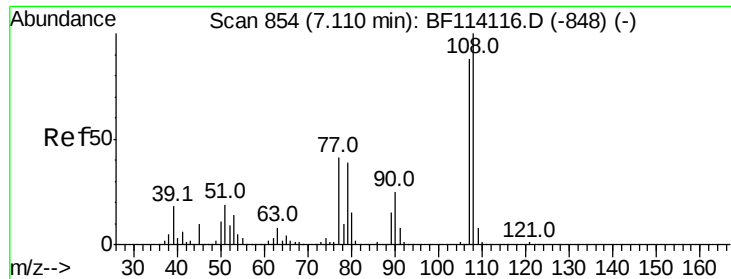
Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Tgt Ion:	45	Resp:	1460794
Ion Ratio	Lower	Upper	
45	100		
77	19.2	0.0	31.1
79	16.7	0.0	28.4





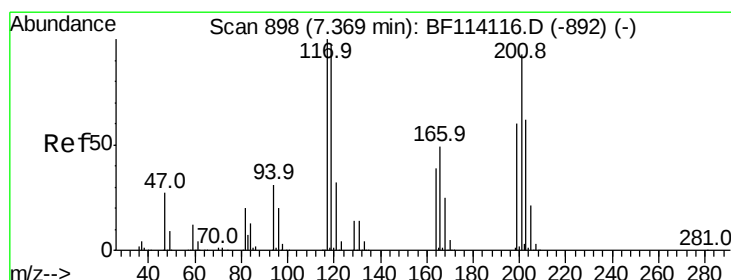
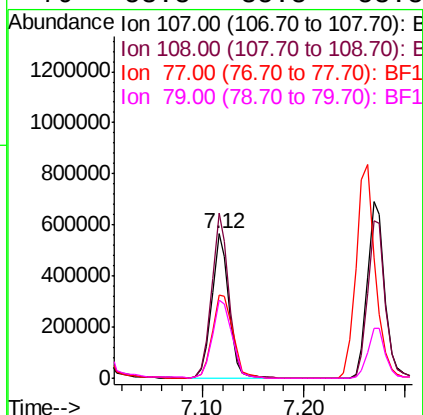
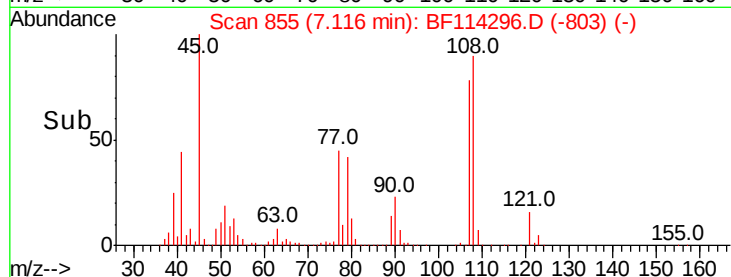
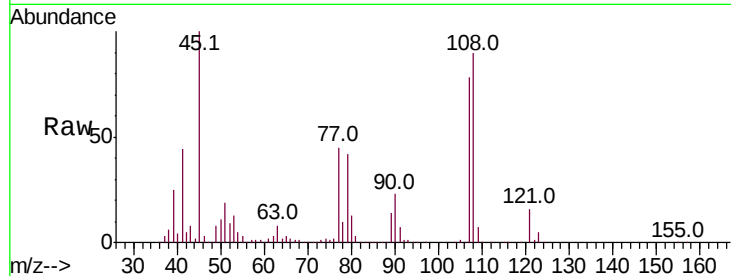
#17
2-Methylphenol
Concen: 43.628 ng
RT: 7.12 min Scan# 855
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.6	90.5	135.7	
77	58.0	37.0	55.4	
79	53.8	35.8	53.8	

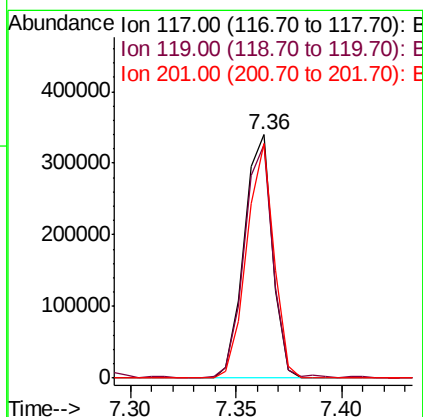
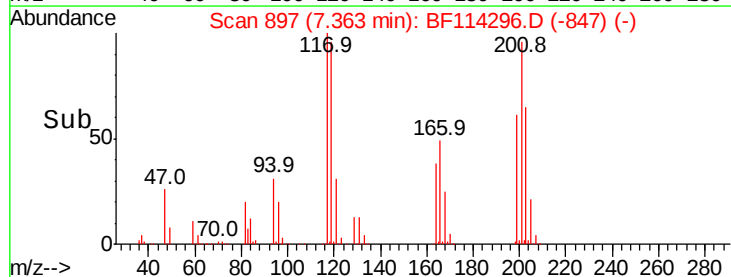
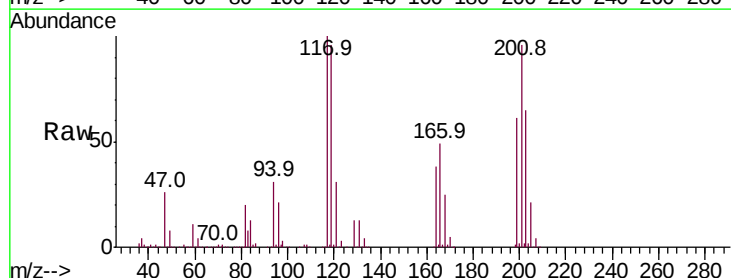
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#18
Hexachloroethane
Concen: 40.328 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.8	77.4	116.2	
201	96.4	74.5	111.7	





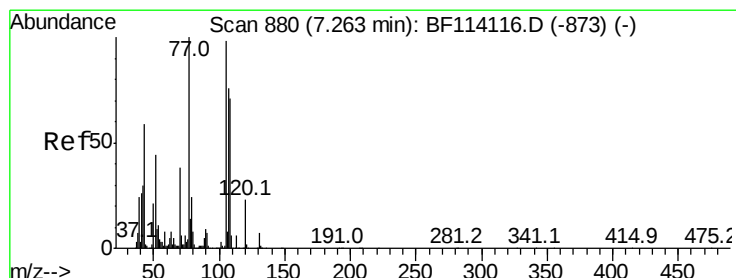
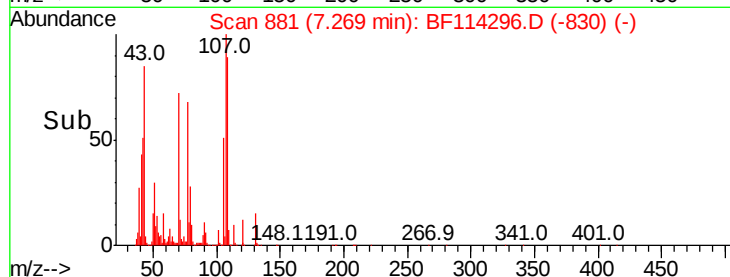
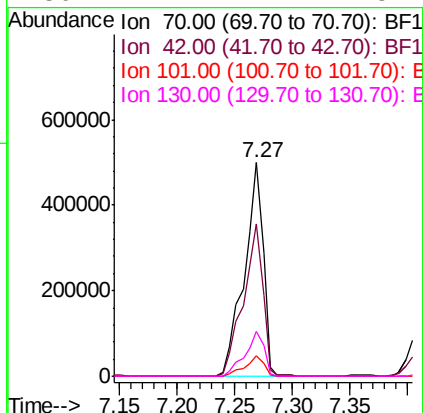
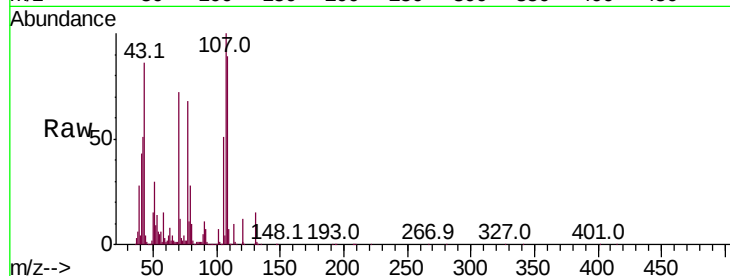
#19
n-Nitroso-di-n-propylamine
Concen: 43.971 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
70	100		
42	71.4	58.6	87.8
101	9.5	7.8	11.8
130	21.1	17.1	25.7

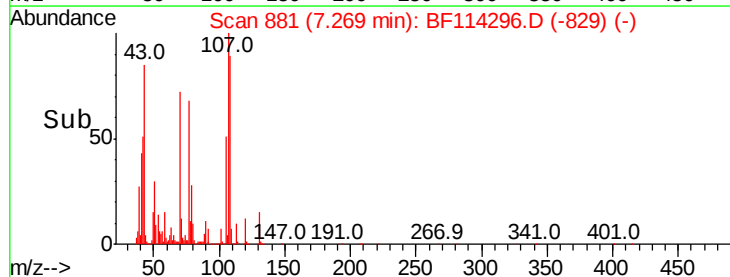
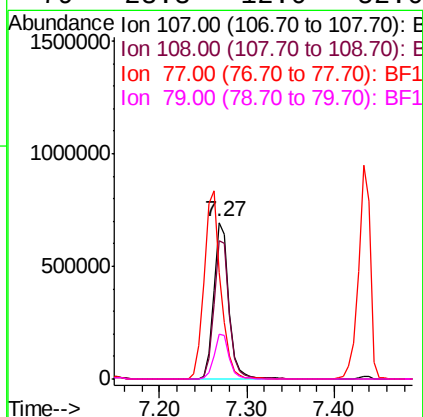
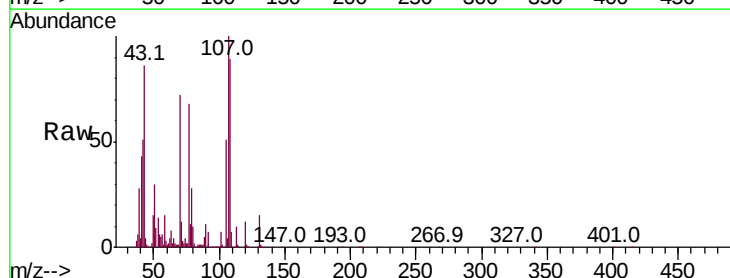
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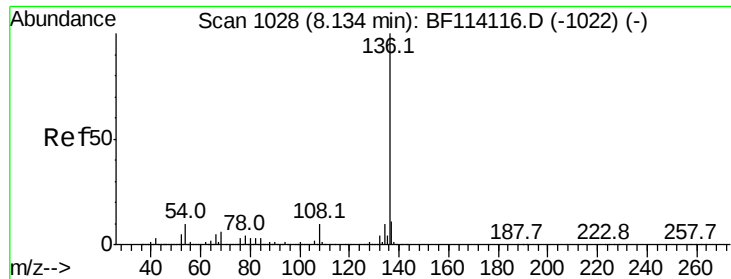
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#20
3+4-Methylphenols
Concen: 47.125 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.8	73.8	113.8
77	68.2	111.5	151.5#
79	28.3	12.0	52.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:136 Resp: 1075724

Ion Ratio Lower Upper

136 100

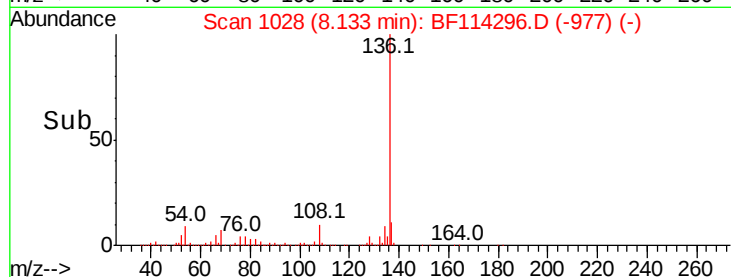
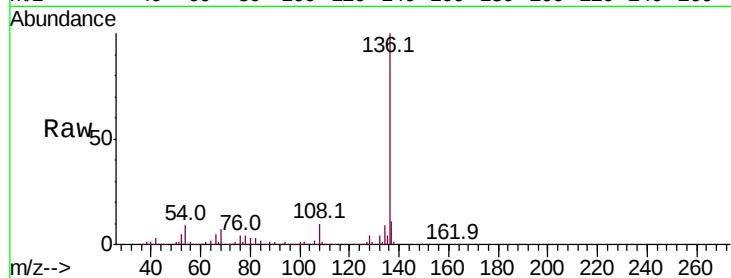
137 10.8 8.8 13.2

54 9.4 7.8 11.8

68 6.6 5.1 7.7

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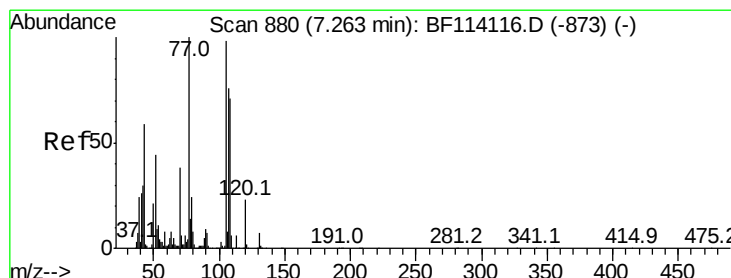
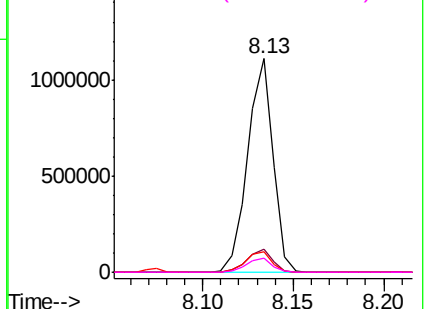


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 45.831 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Tgt Ion:105 Resp: 1092195

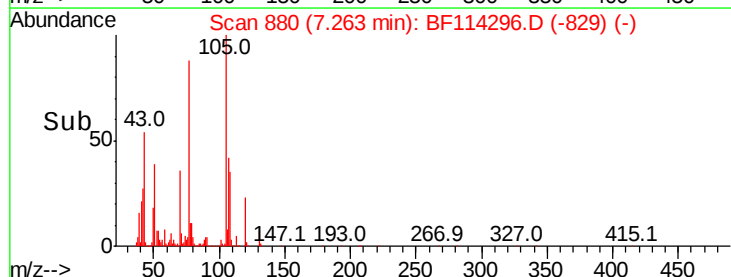
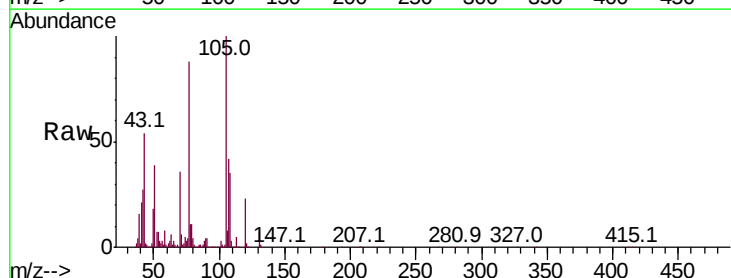
Ion Ratio Lower Upper

105 100

71 6.1 5.3 7.9

51 38.6 36.2 54.4

120 23.0 18.6 28.0

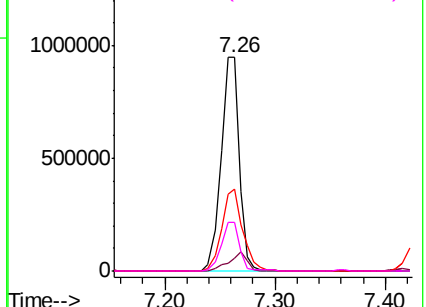


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





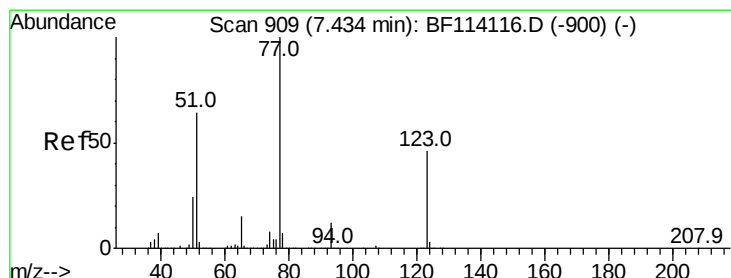
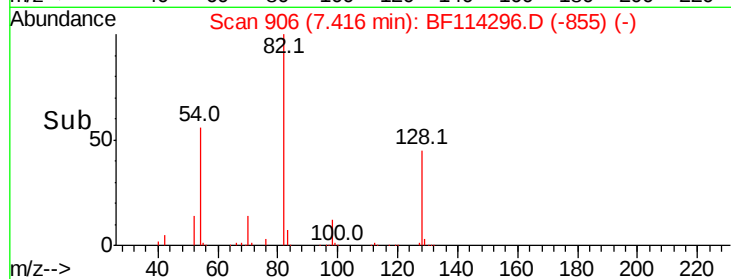
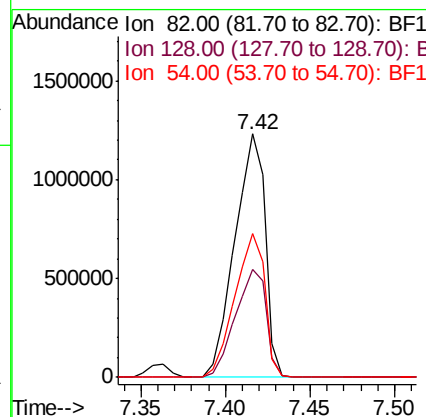
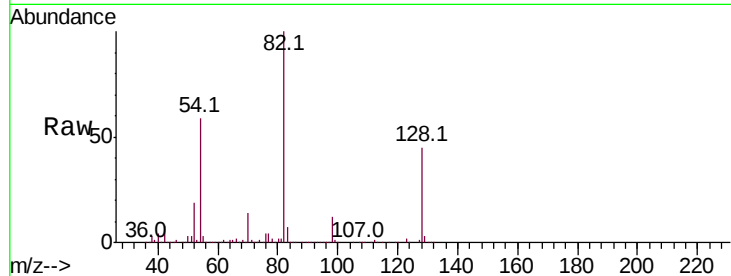
#23
Nitrobenzene-d5
Concen: 80.179 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion: 82 Resp: 1536893
Ion Ratio Lower Upper
82 100
128 44.5 35.5 53.3
54 59.2 48.5 72.7

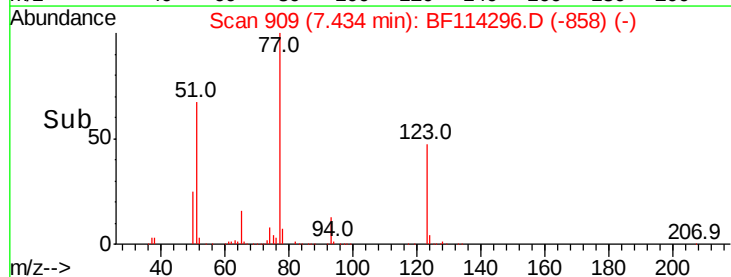
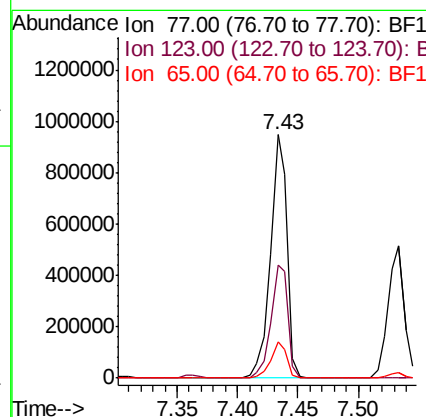
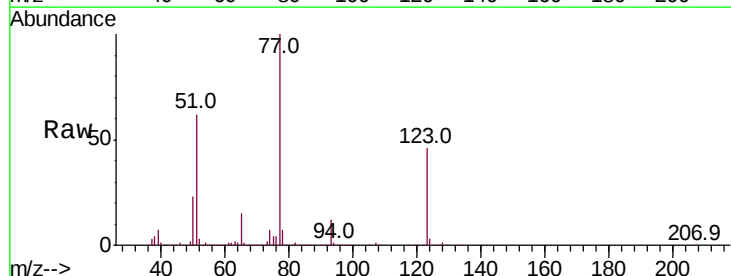
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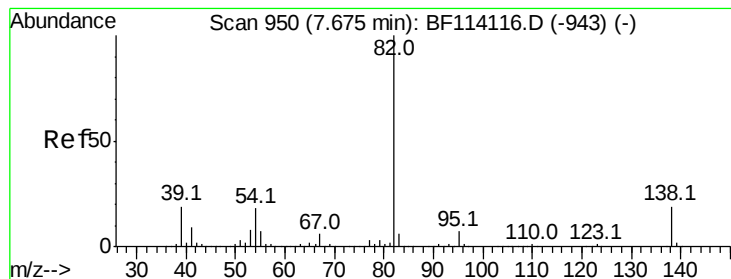
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#24
Nitrobenzene
Concen: 45.936 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion: 77 Resp: 896813
Ion Ratio Lower Upper
77 100
123 46.5 36.9 55.3
65 14.8 11.8 17.6





#25

Isophorone

Concen: 46.179 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion: 82 Resp: 1641624

Ion Ratio Lower Upper

82 100

95 7.0 5.6 8.4

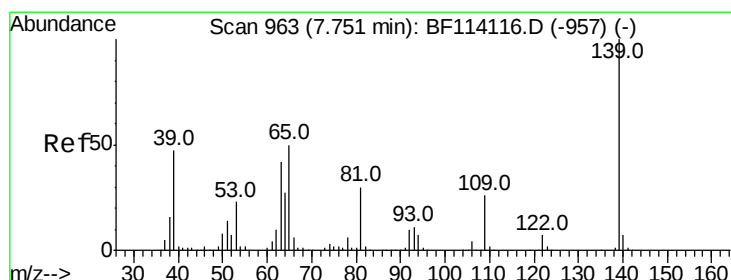
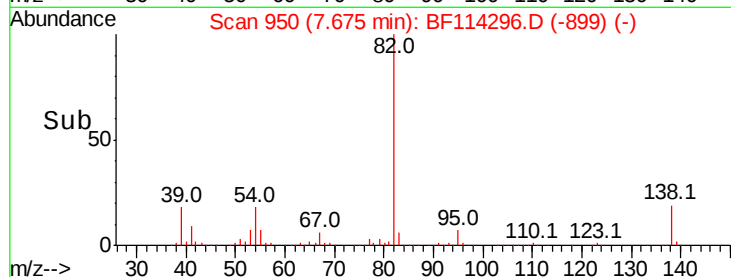
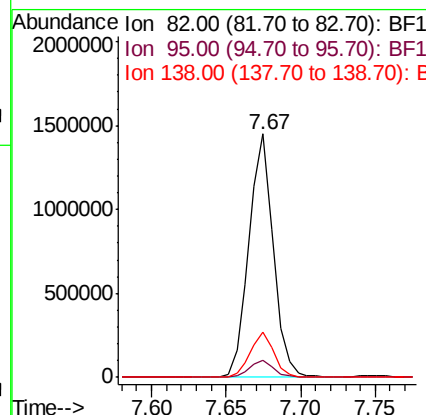
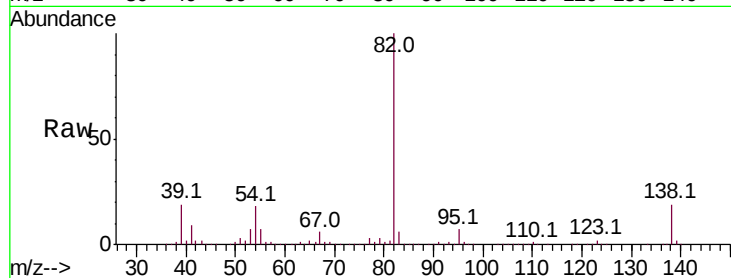
138 18.6 14.8 22.2

Manual Integrations

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#26

2-Nitrophenol

Concen: 49.338 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

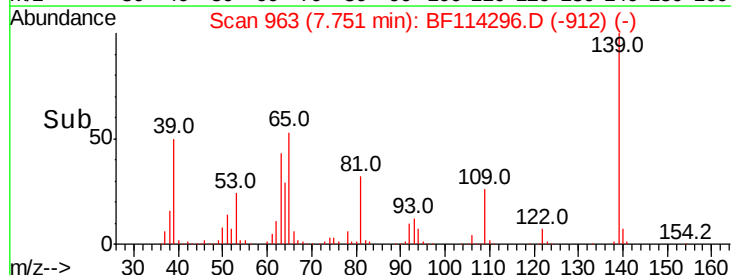
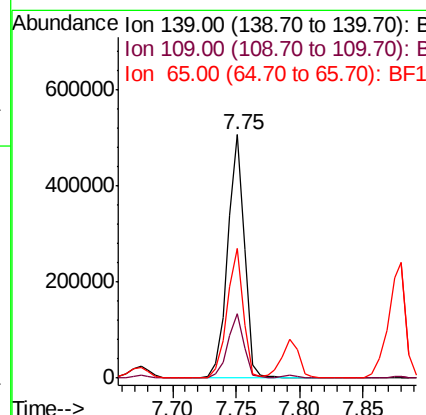
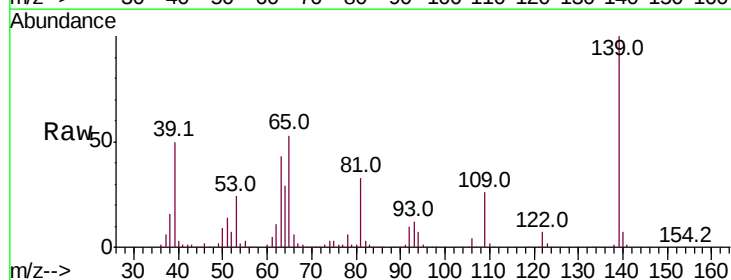
Tgt Ion: 139 Resp: 467325

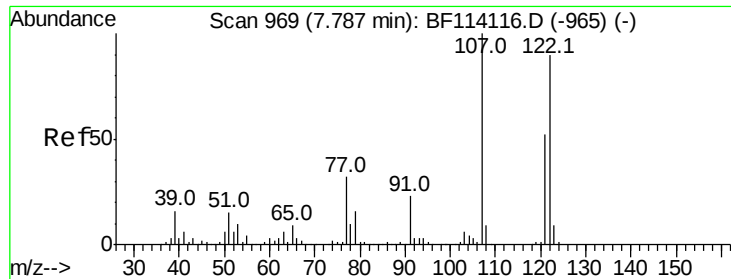
Ion Ratio Lower Upper

139 100

109 26.3 20.7 31.1

65 53.4 40.2 60.2





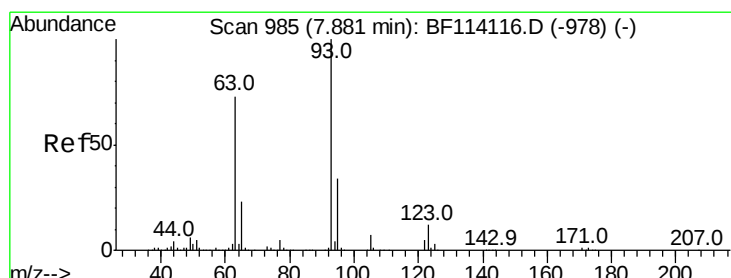
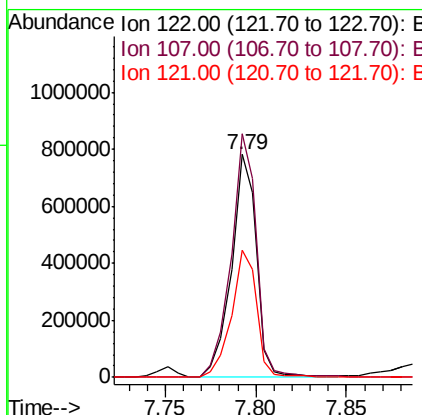
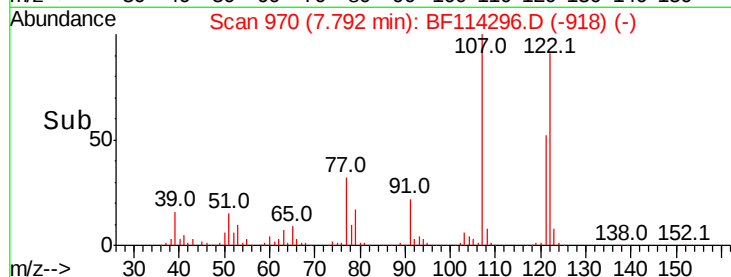
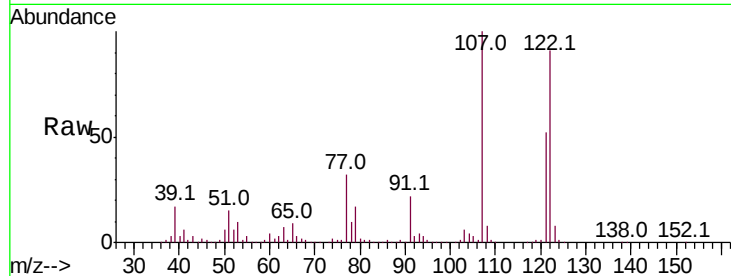
#27
2,4-Dimethylphenol
Concen: 50.633 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.4	88.4	132.6
121	57.0	45.9	68.9

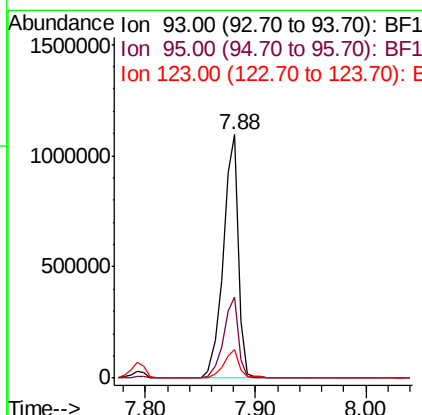
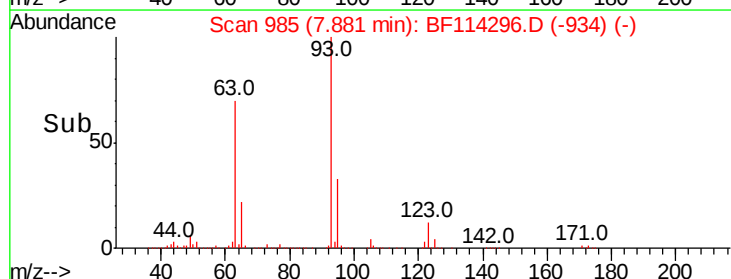
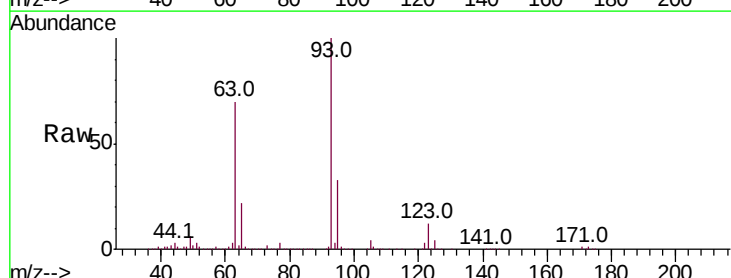
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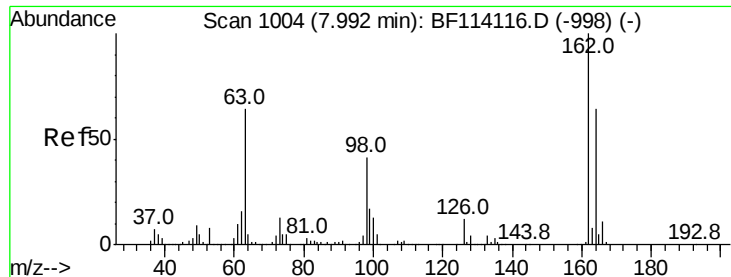
mohammad
5/16/2019 9:51:09 AM



#28
bis(2-Chloroethoxy)methane
Concen: 45.306 ng
RT: 7.88 min Scan# 985
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.8	40.2
123	11.7	9.5	14.3





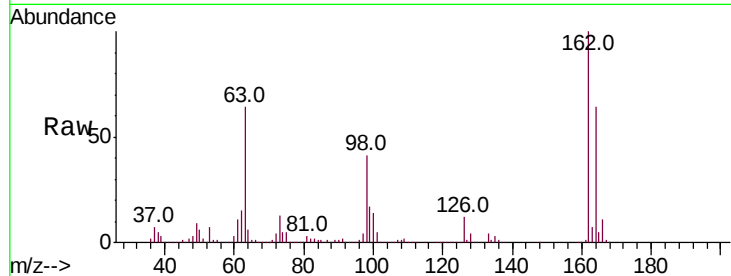
#29
2,4-Dichlorophenol
Concen: 46.550 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	689564		
164	63.7	43.6	83.6	
98	41.3	20.6	60.6	

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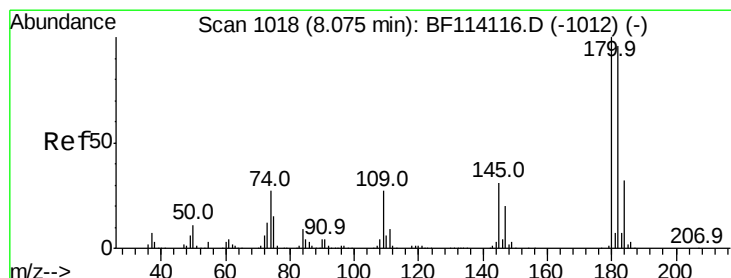
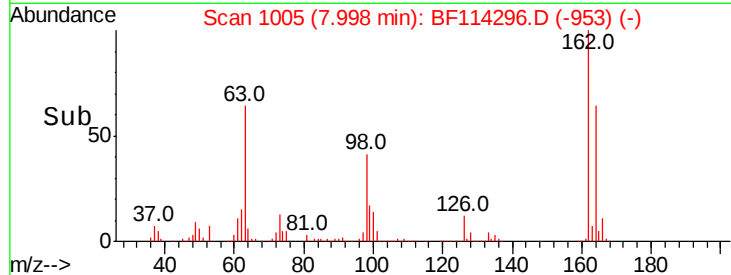
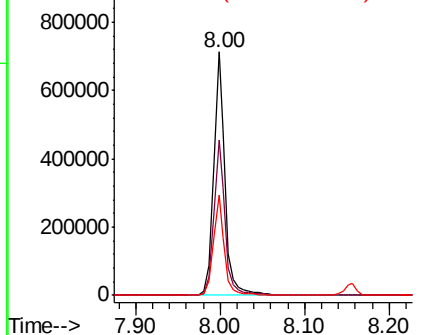


Abundance

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: 42.232 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

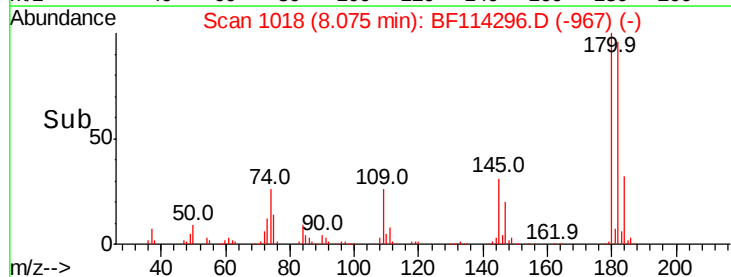
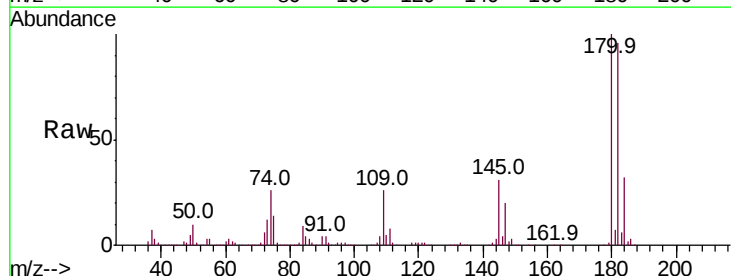
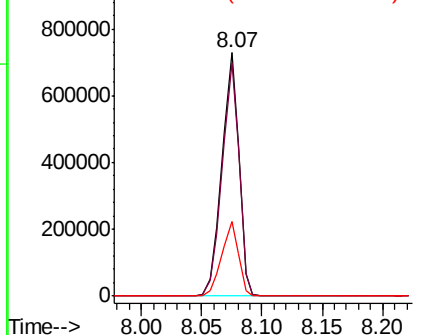
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	711382		
182	95.8	76.6	114.8	
145	30.8	25.1	37.7	

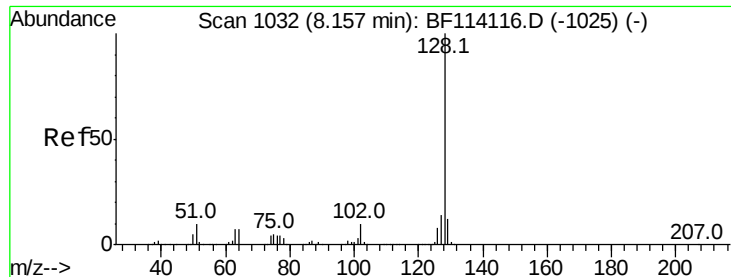
Abundance

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





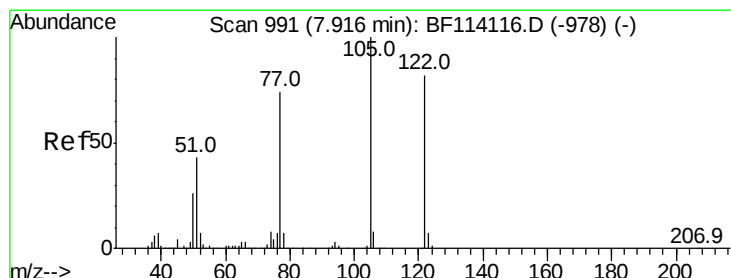
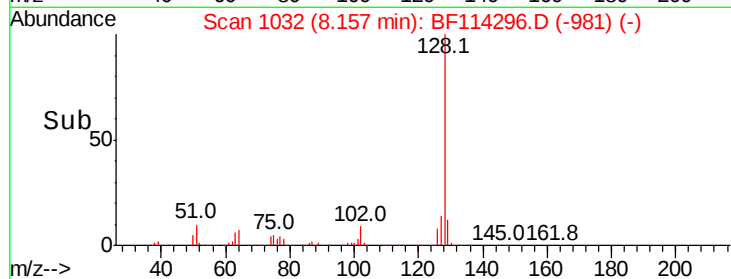
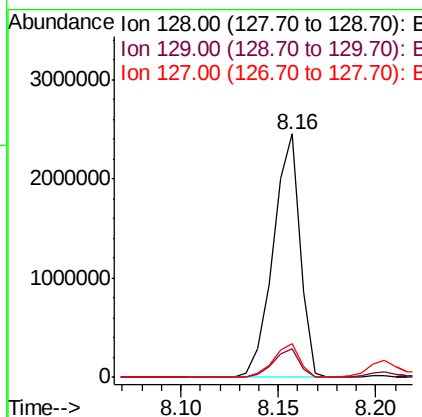
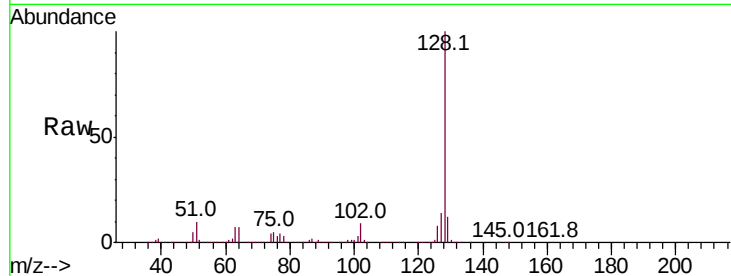
#31
Naphthalene
Concen: 46.652 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.6	14.4
127	14.1	11.3	16.9

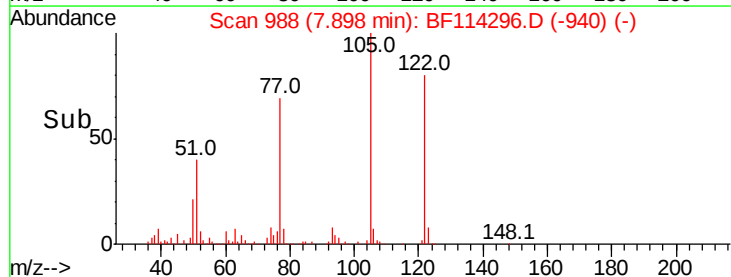
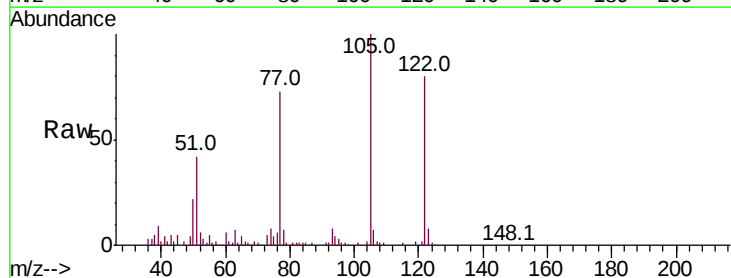
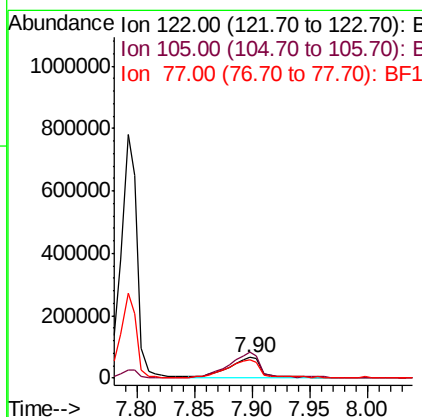
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#32
Benzoic acid
Concen: 17.514 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.9	99.9	139.9
77	91.4	69.4	109.4





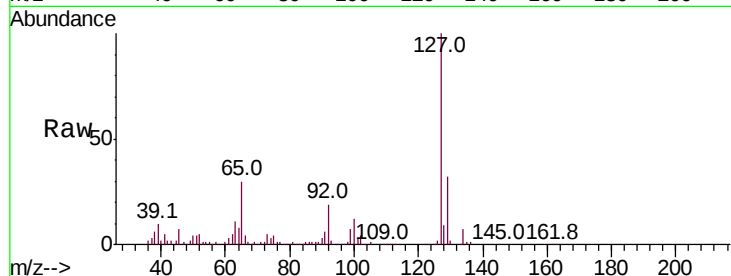
#33
4-Chloroaniline
Concen: 10.586 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.6	26.7	40.1	
65	29.5	25.4	38.0	
92	19.3	15.4	23.2	

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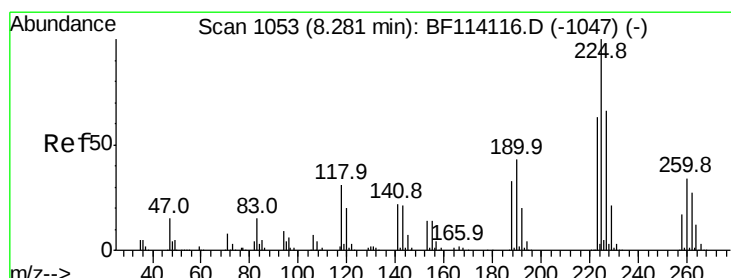
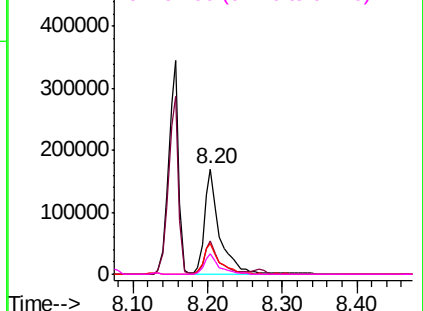
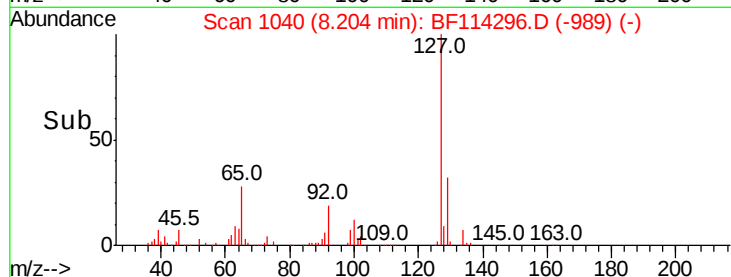
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

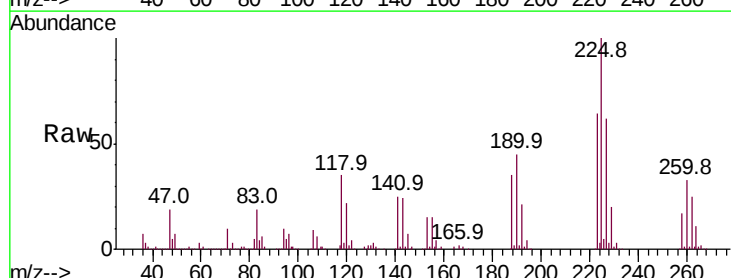
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 40.545 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	50.2	75.2	
227	61.6	52.6	79.0	

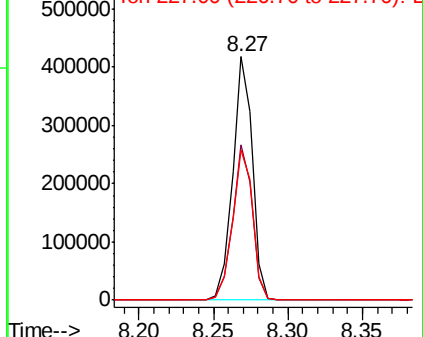
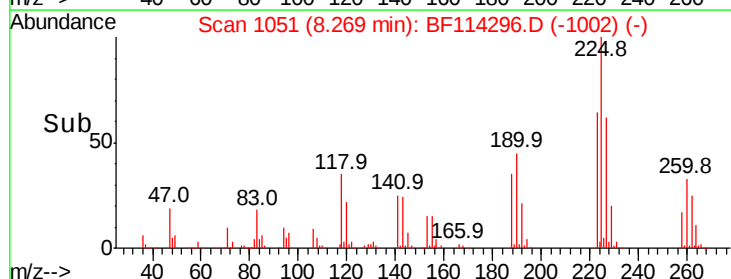


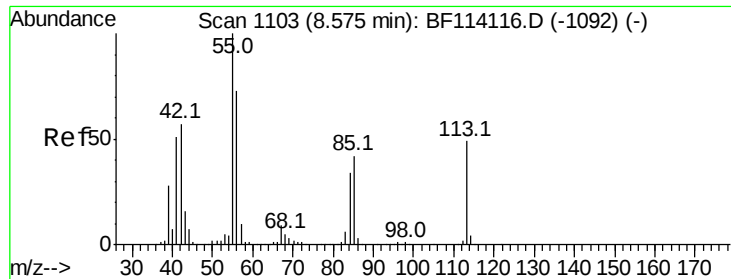
Abundance

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: 60.631 ng/mL

RT: 8.59 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:113 Resp: 292862

Ion Ratio Lower Upper

113 100

55 202.4 183.5 223.5

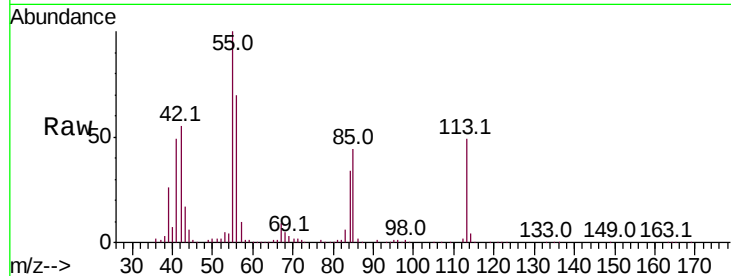
56 142.7 128.8 168.8

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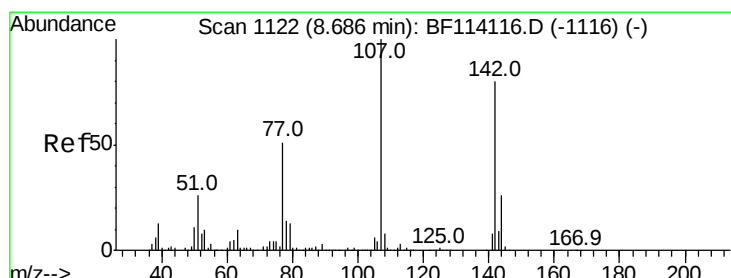
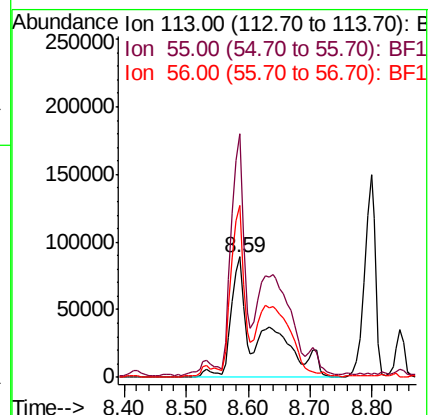
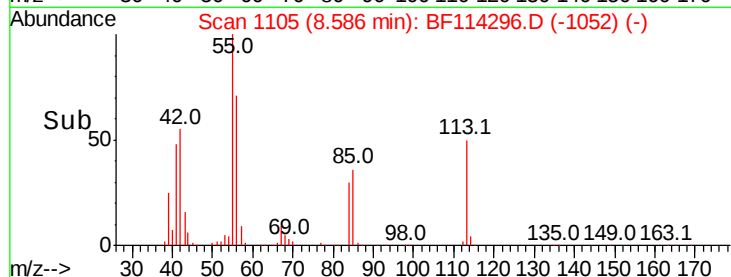
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 50.858 ng/mL

RT: 8.70 min Scan# 1125

Delta R.T. 0.02 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

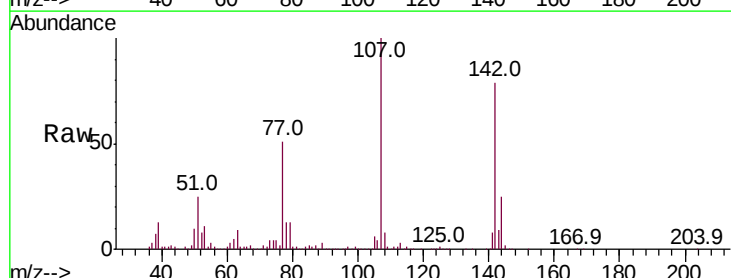
Tgt Ion:107 Resp: 758330

Ion Ratio Lower Upper

107 100

144 24.8 20.4 30.6

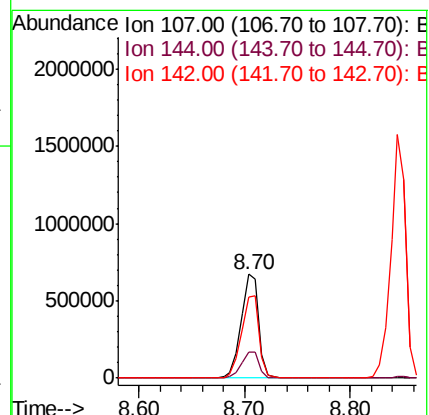
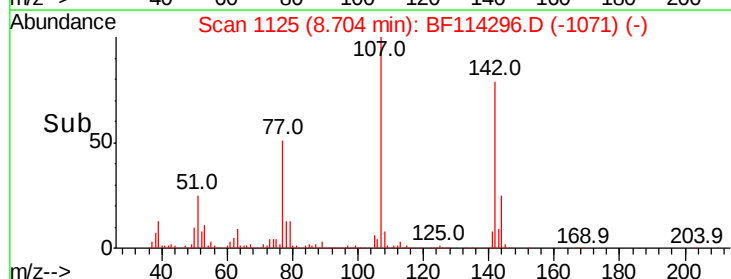
142 78.6 64.2 96.4

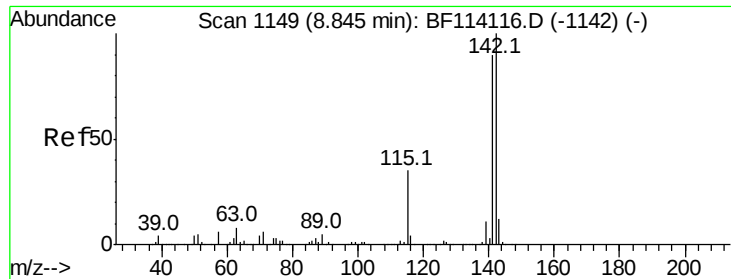


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 48.211 ng

RT: 8.85 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

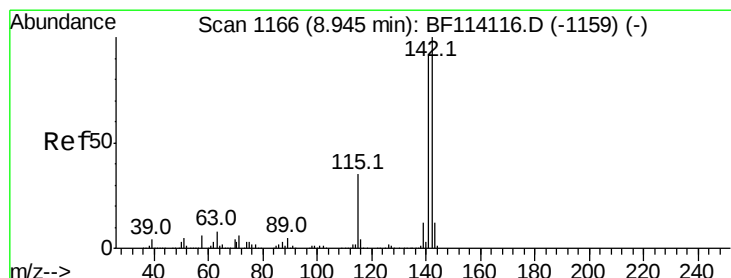
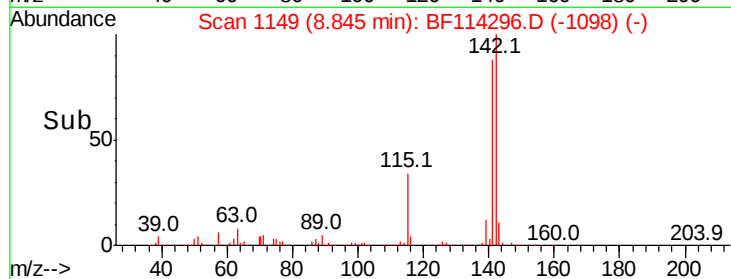
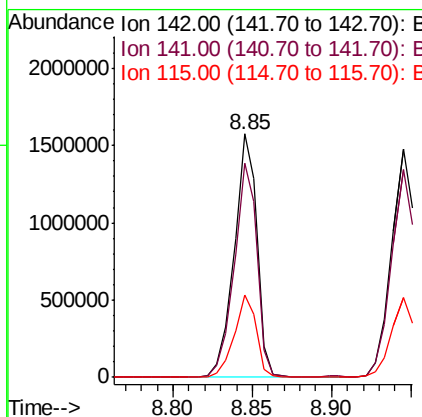
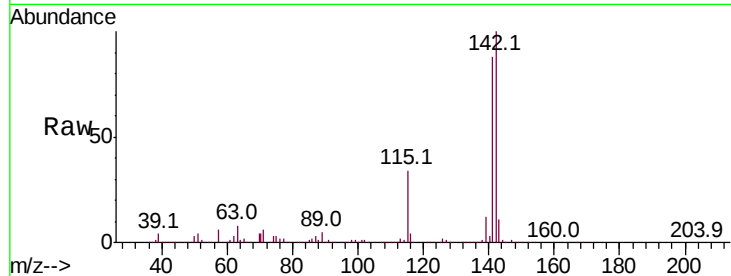
Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion:142 Resp: 1563002

Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.1	108.1
115	33.8	28.0	42.0

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#38

1-Methylnaphthalene

Concen: 48.065 ng

RT: 8.95 min Scan# 1166

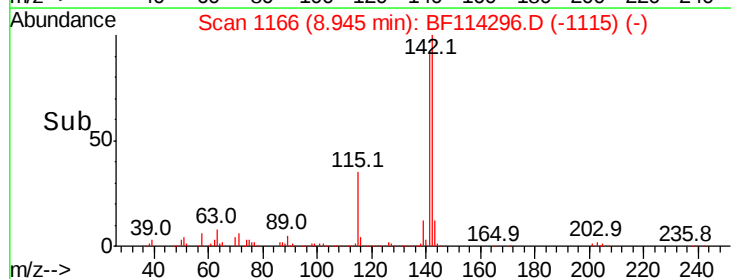
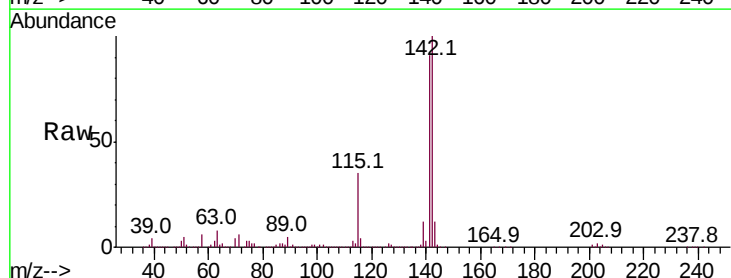
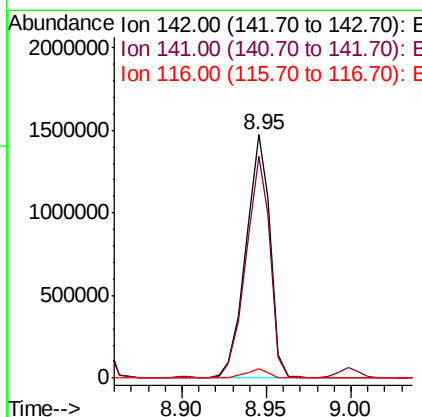
Delta R.T. -0.00 min

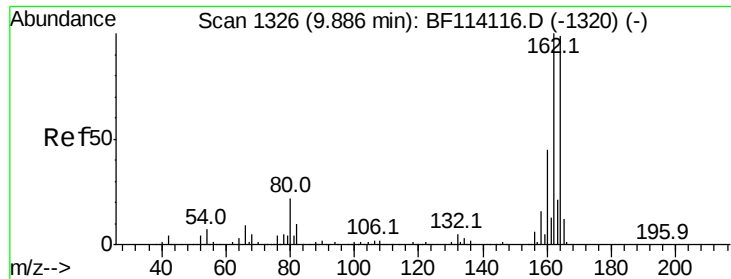
Lab File: BF114296.D

Acq: 15 May 2019 20:32

Tgt Ion:142 Resp: 1467475

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.4	110.0
116	3.7	3.1	4.7





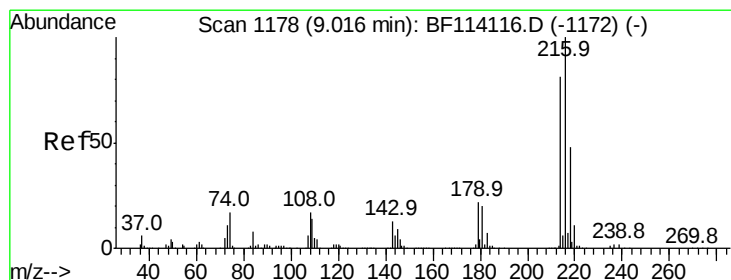
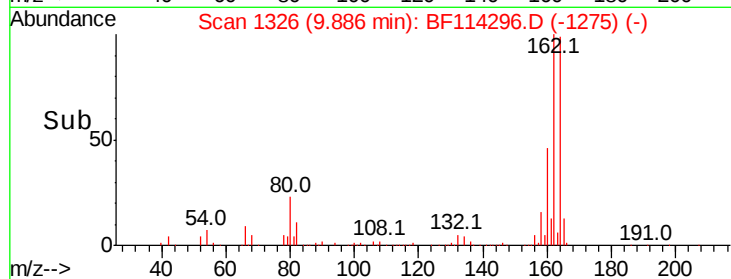
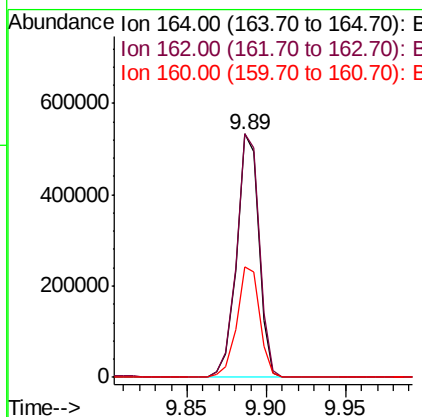
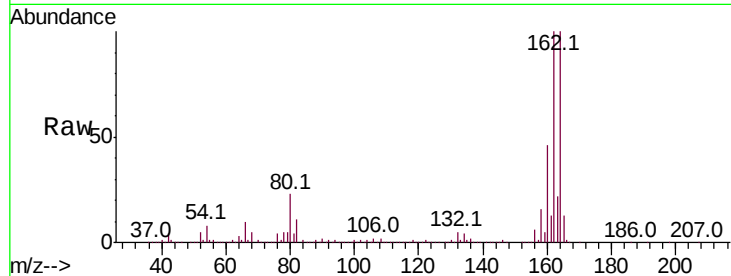
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.0	80.6	120.8	
160	45.5	36.5	54.7	

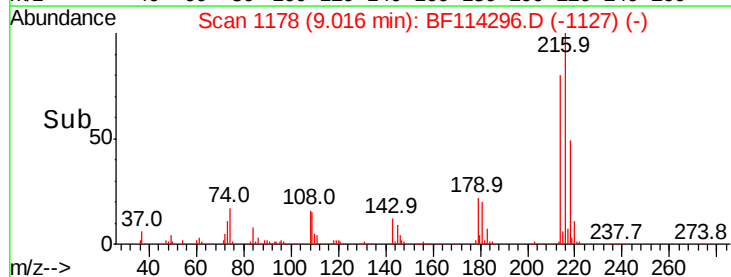
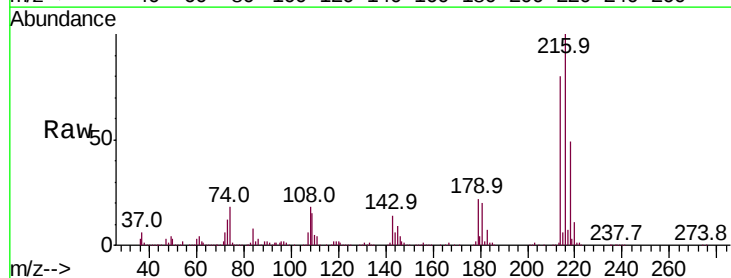
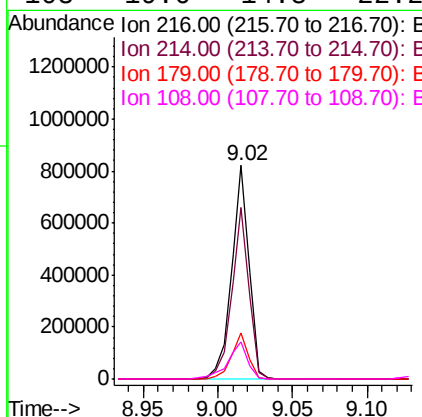
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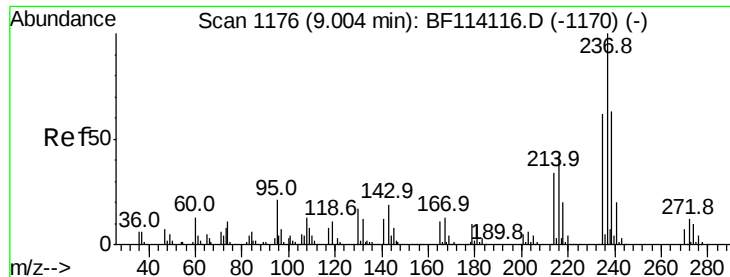
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.484 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	63.9	95.9	
179	21.0	17.0	25.6	
108	19.6	14.8	22.2	





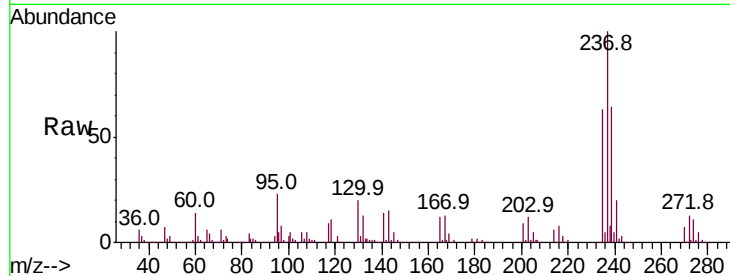
#41
Hexachlorocyclopentadiene
Concen: 60.559 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

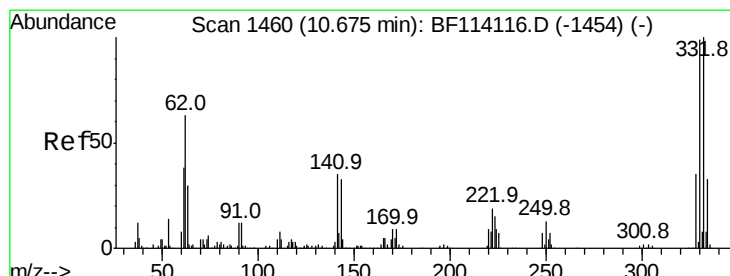
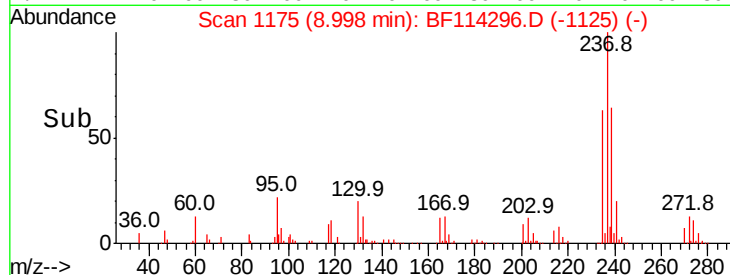
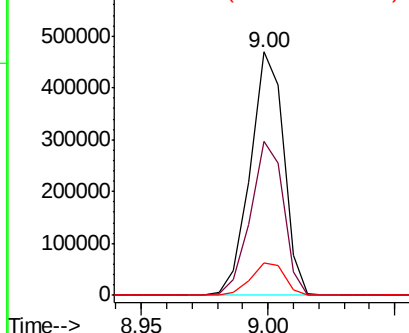
Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	63.3	42.0	82.0	
272	13.3	0.0	32.4	

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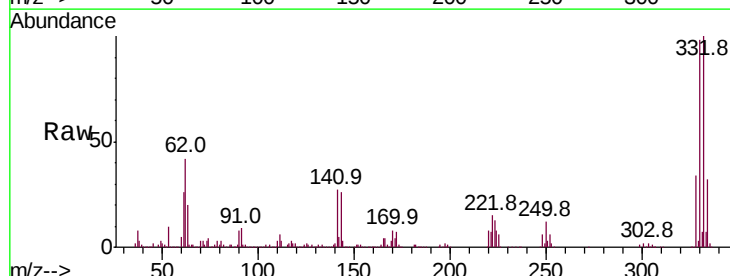


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

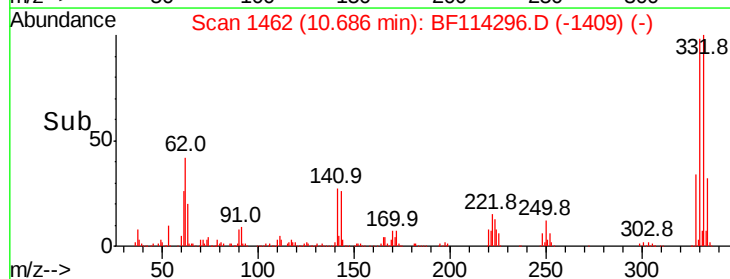
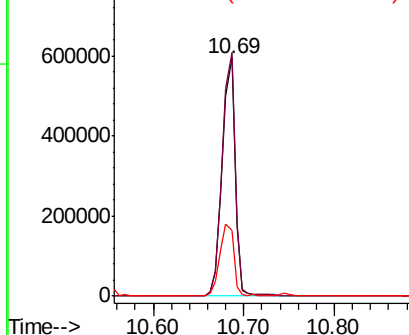


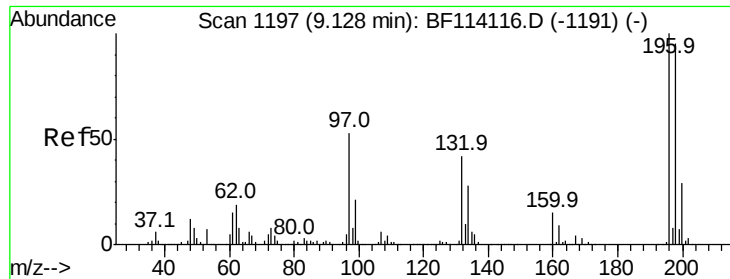
#42
2,4,6-Tribromophenol
Concen: 109.799 ng
RT: 10.69 min Scan# 1462
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	102.8	81.4	122.2	
141	32.3	26.6	40.0	



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





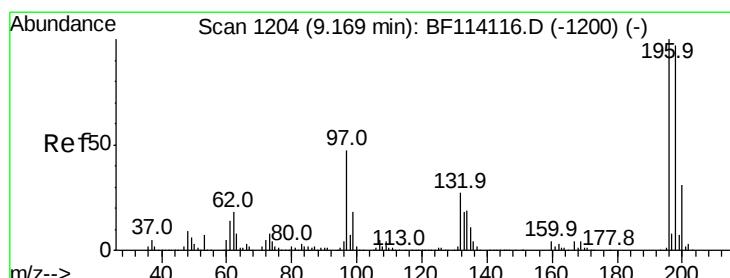
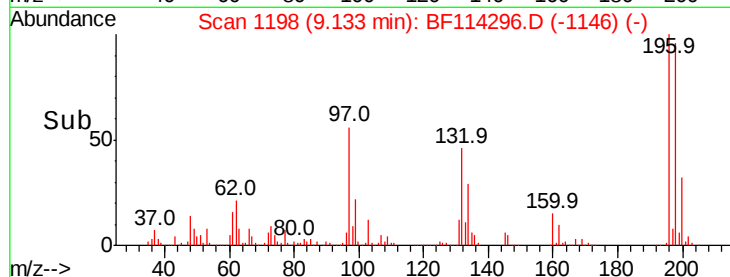
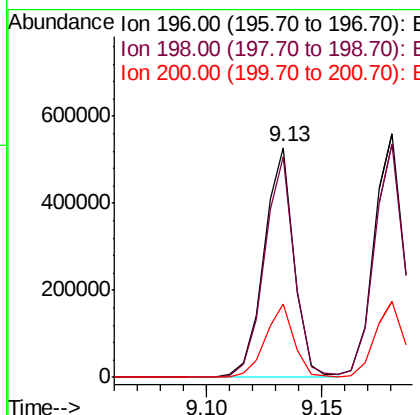
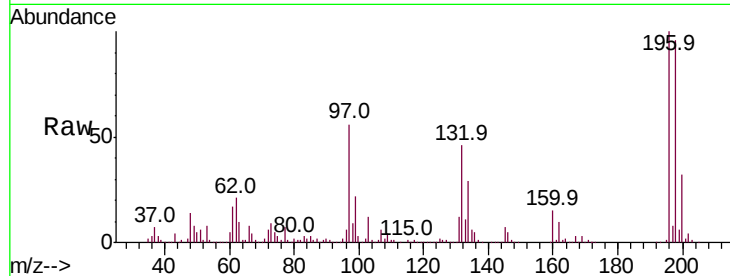
#43
 2,4,6-Trichlorophenol
 Concen: 44.466 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	478186		
198	96.0	75.9	113.9	
200	31.8	23.5	35.3	

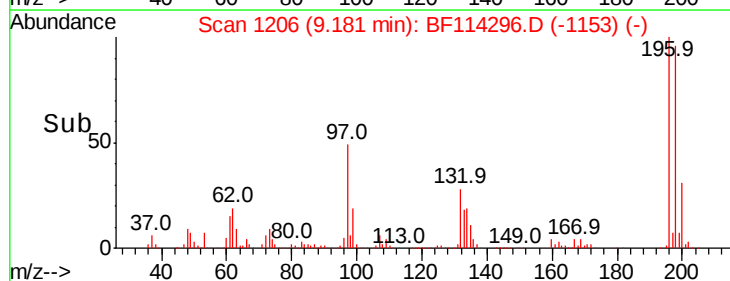
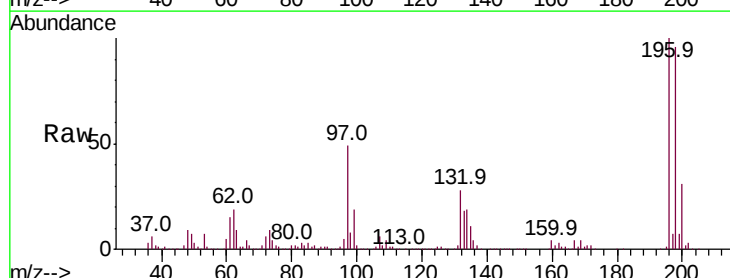
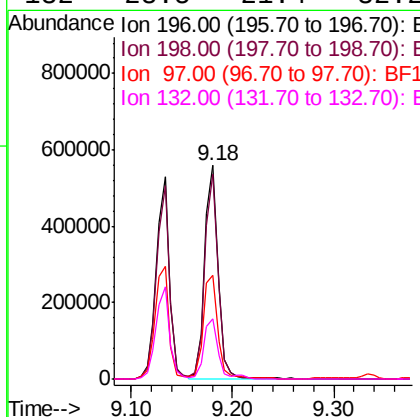
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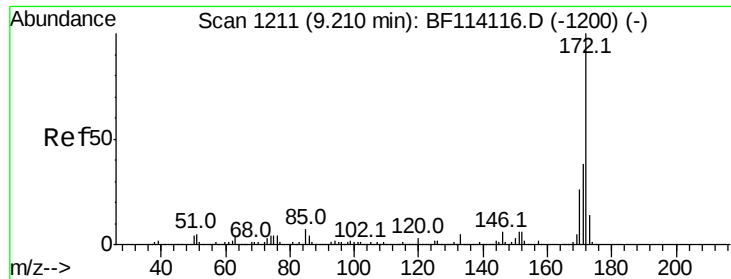
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 46.613 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	514080		
198	96.0	77.7	116.5	
97	48.8	38.2	57.2	
132	28.5	21.4	32.2	





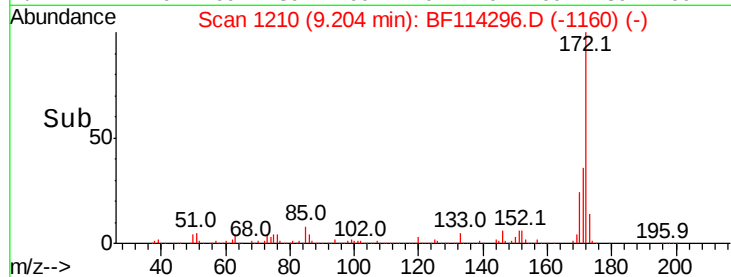
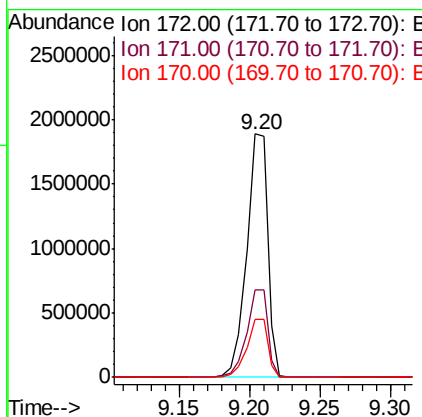
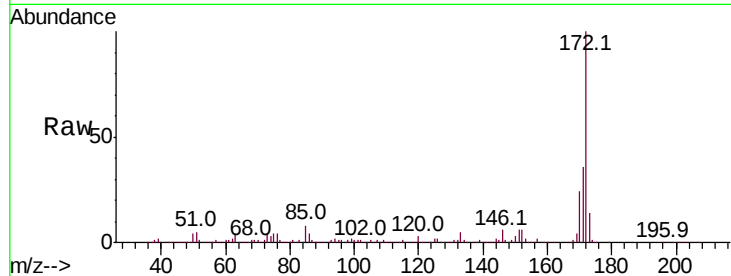
#45
2-Fluorobiphenyl
Concen: 57.929 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.7	46.1
170	23.8	20.5	30.7

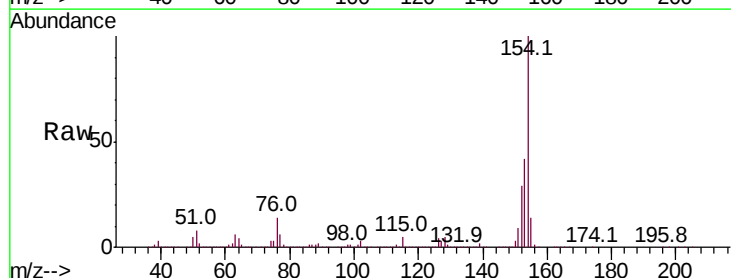
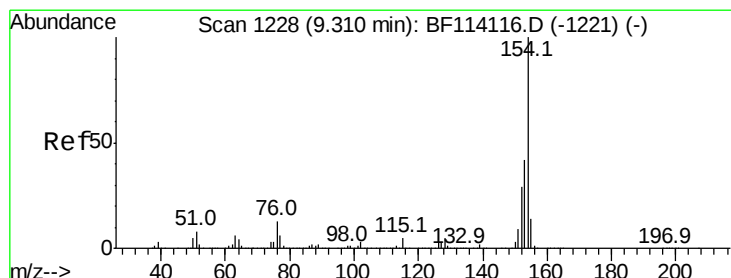
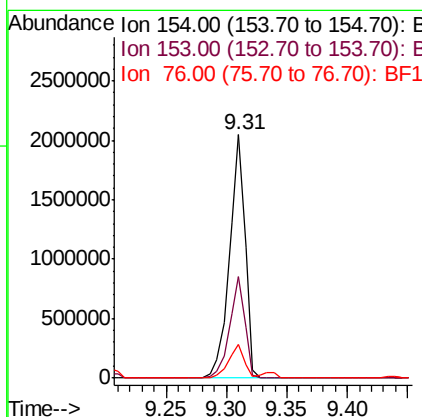
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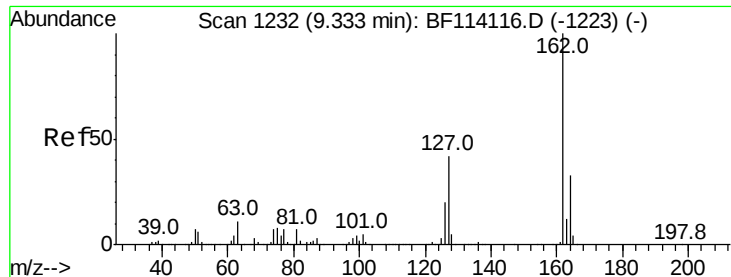
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#46
1,1'-Biphenyl
Concen: 43.965 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.9	61.9
76	13.7	0.0	32.8





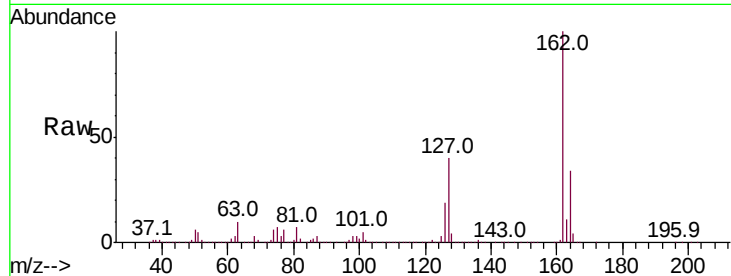
#47
 2-Chloronaphthalene
 Concen: 41.968 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

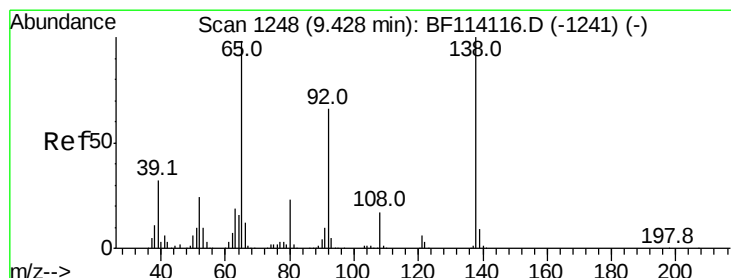
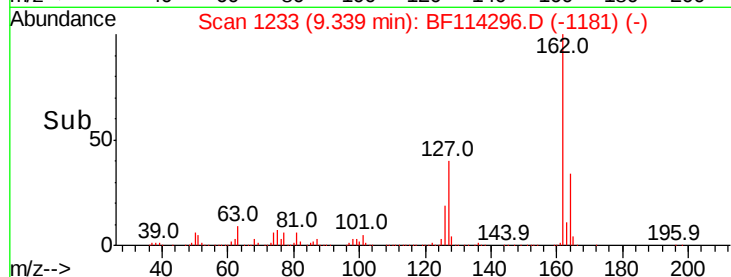
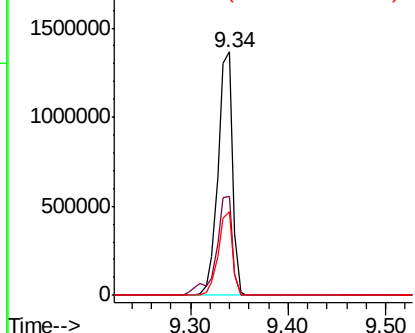
Tot Ion	Ratio	Lower	Upper
162	100		
127	40.4	34.0	51.0
164	34.1	26.7	40.1

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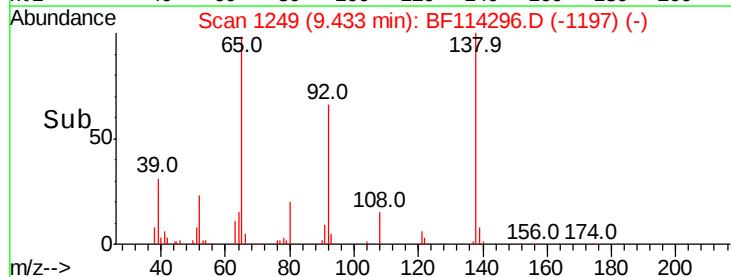
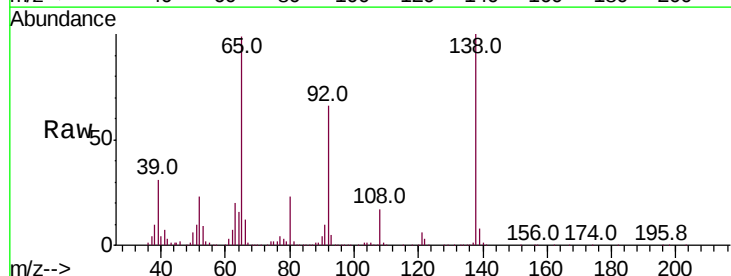
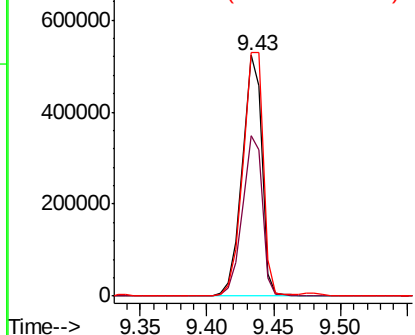
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

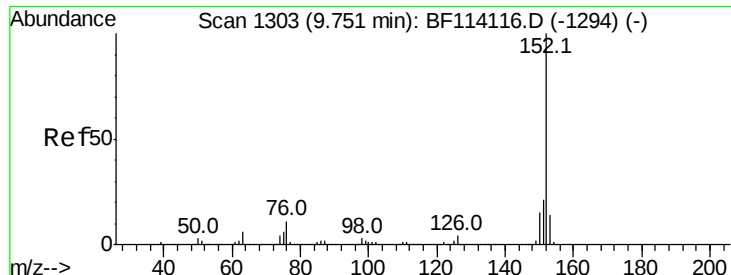


#48
 2-Nitroaniline
 Concen: 44.820 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.8	53.9	80.9
138	101.2	81.4	122.0

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: 44.116 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:152 Resp: 2251558

Ion Ratio Lower Upper

152 100

151 21.0 16.8 25.2

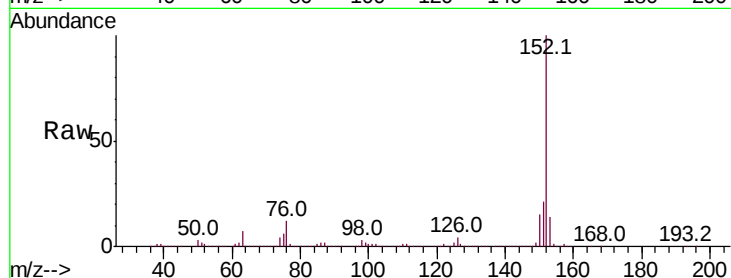
153 13.9 11.4 17.2

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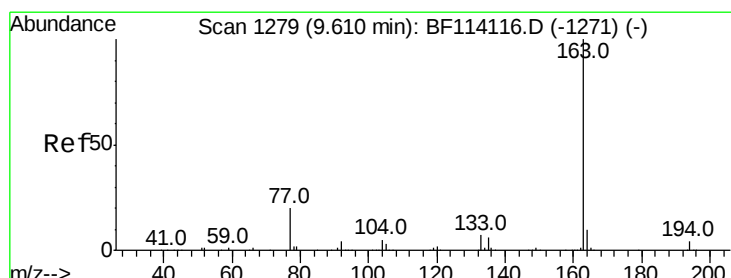
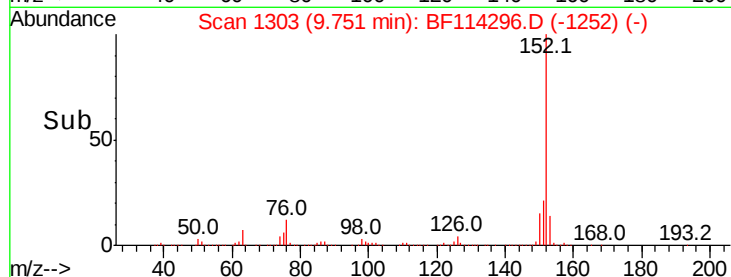
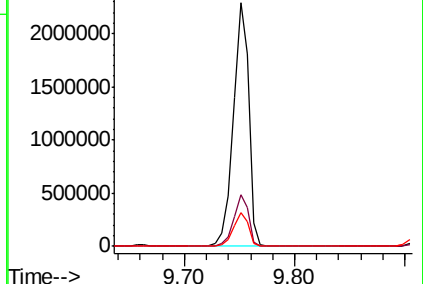
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 56.081 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

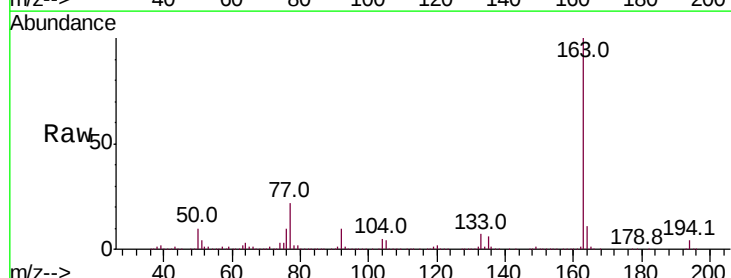
Tgt Ion:163 Resp: 2124832

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

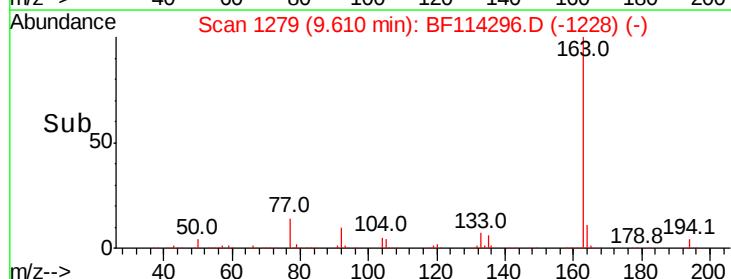
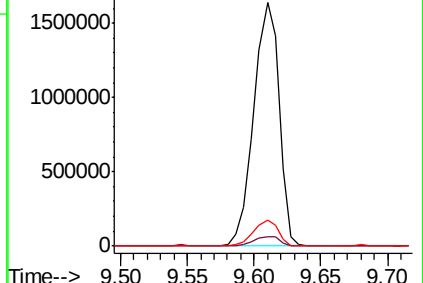
164 10.6 8.2 12.2

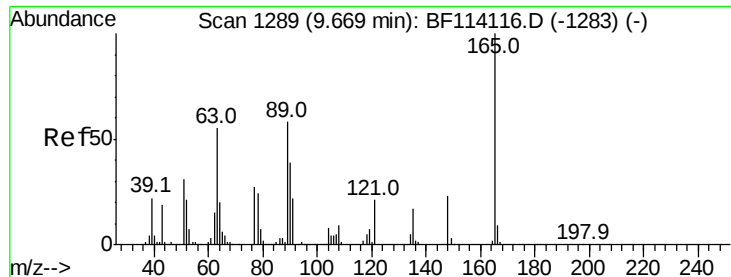


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





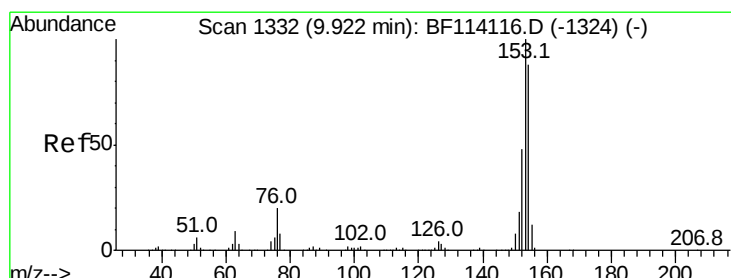
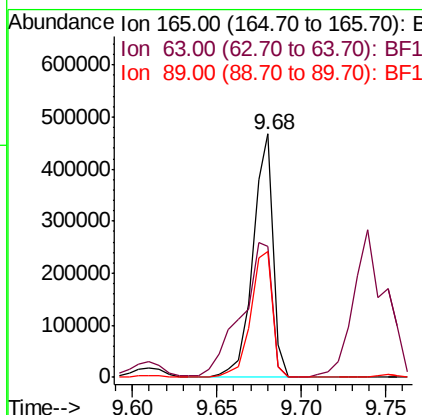
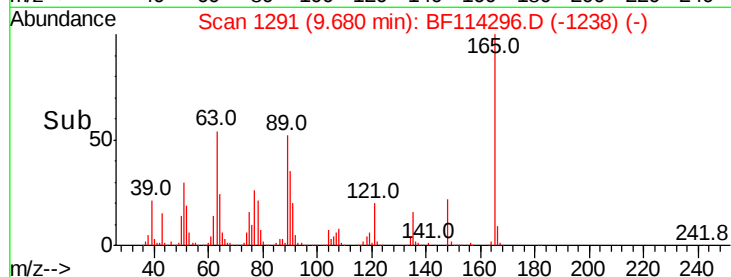
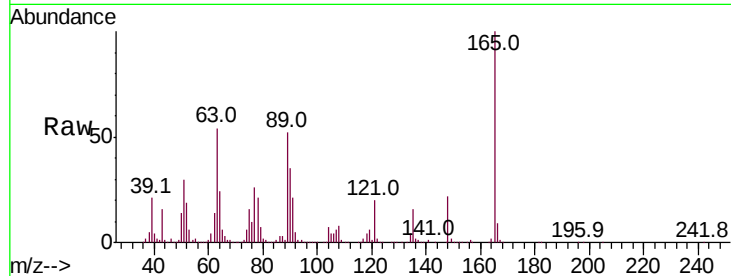
#51
 2,6-Dinitrotoluene
 Concen: 46.655 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	392070		
63	53.6	50.2	75.4	
89	51.8	46.6	69.8	

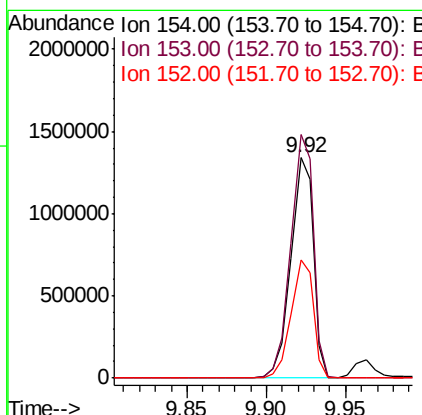
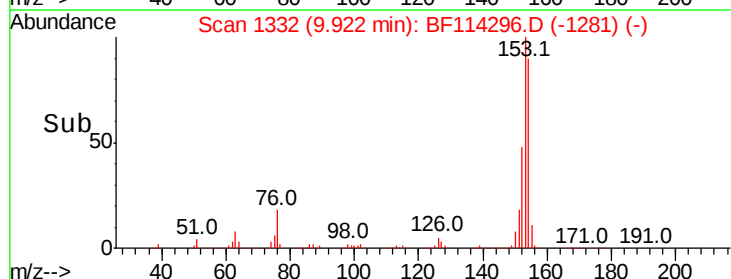
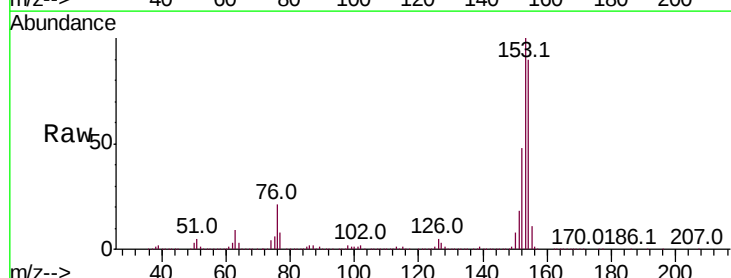
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#52
 Acenaphthene
 Concen: 42.500 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1331042		
153	110.6	90.5	135.7	
152	53.5	43.4	65.2	





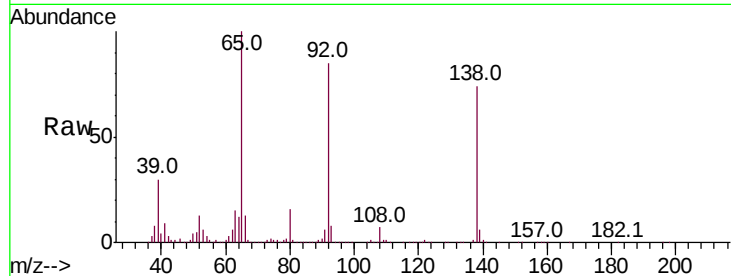
#53
 3-Nitroaniline
 Concen: 27.198 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.8	11.6
92	115.6	91.2	136.8

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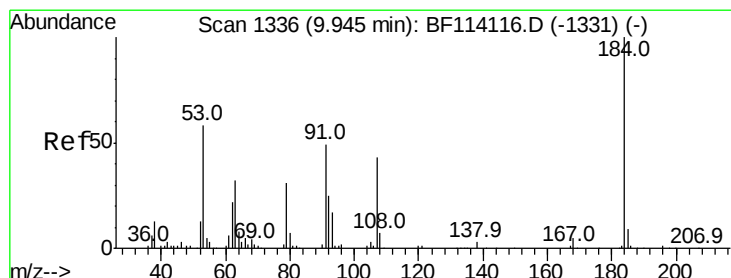
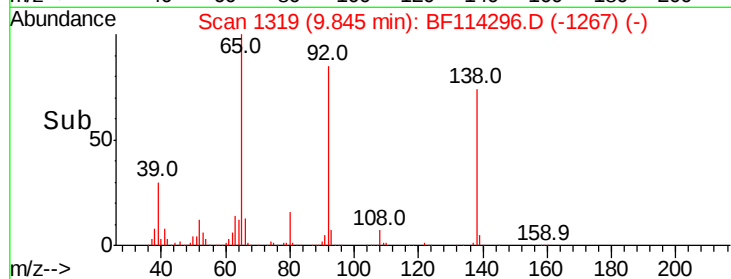
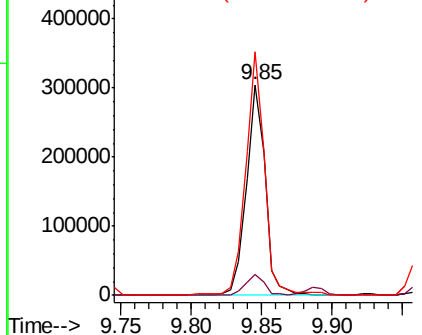


Abundance

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: 50.001 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. 0.02 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

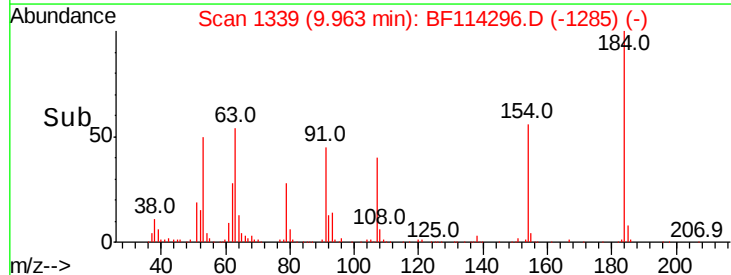
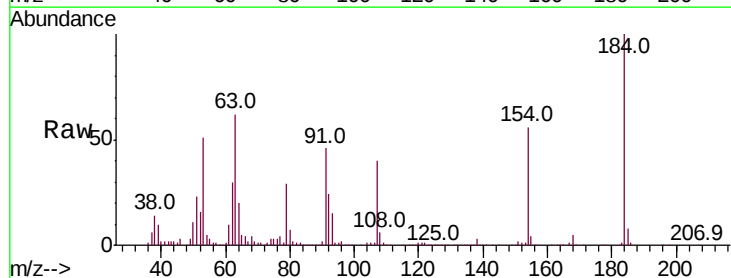
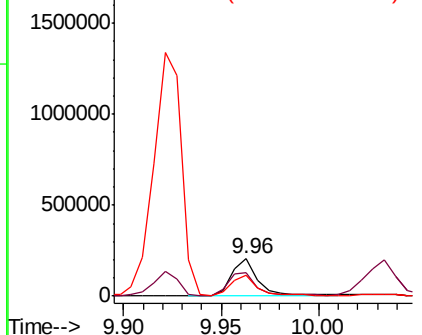
Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.5	55.6	83.4
154	55.8	46.0	69.0

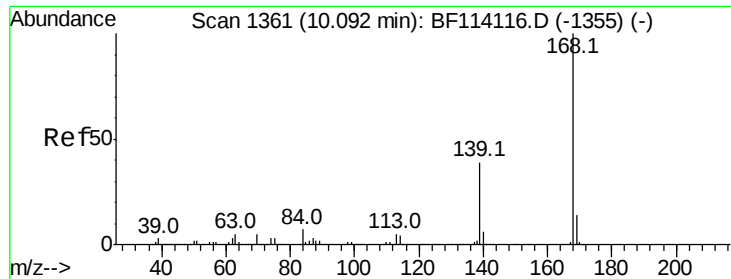
Abundance

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





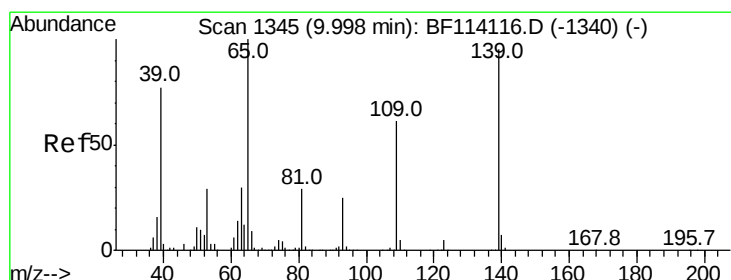
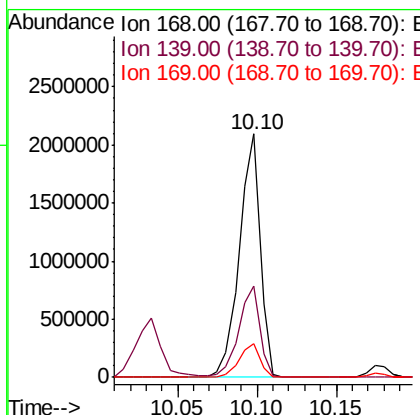
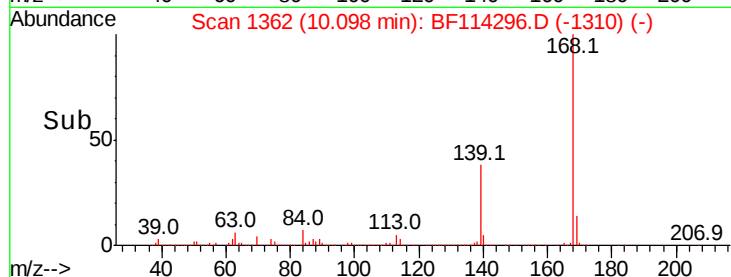
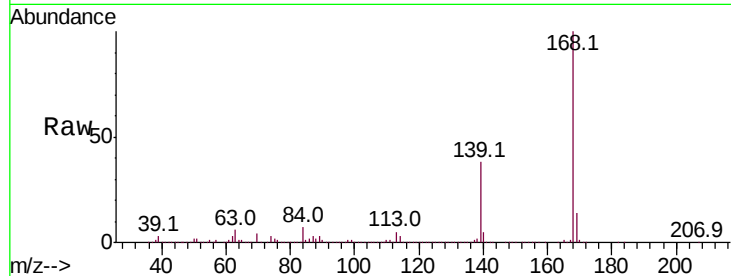
#55
Dibenzofuran
Concen: 41.567 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion:168 Resp: 1908928
Ion Ratio Lower Upper
168 100
139 37.7 31.1 46.7
169 13.7 11.4 17.0

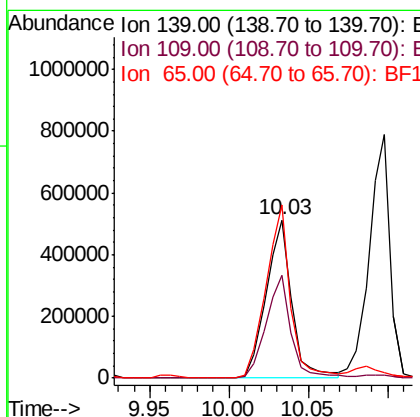
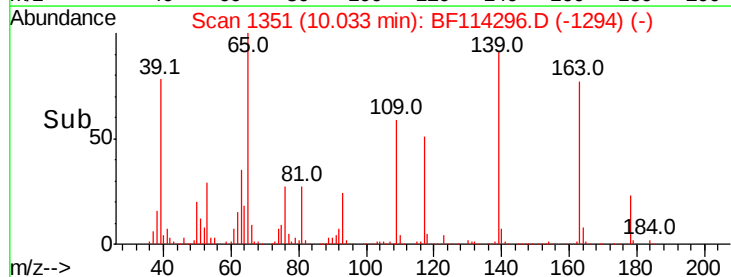
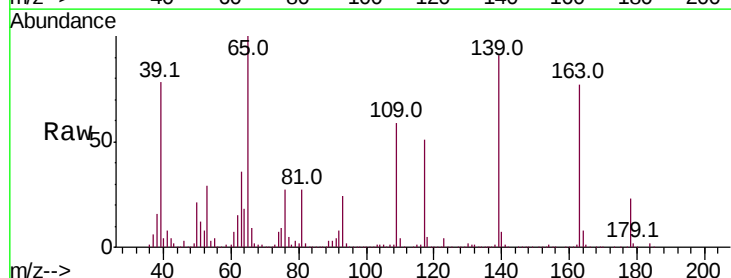
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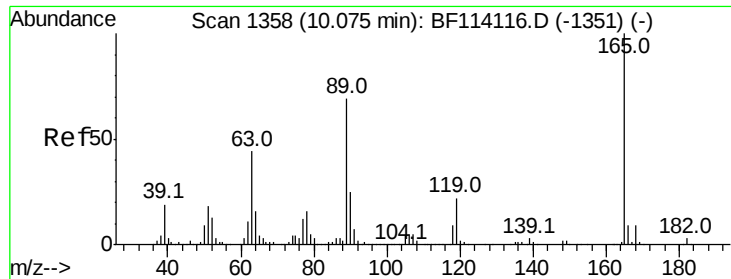
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#56
4-Nitrophenol
Concen: 78.101 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.04 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion:139 Resp: 576175
Ion Ratio Lower Upper
139 100
109 64.7 43.9 83.9
65 109.5 85.7 125.7





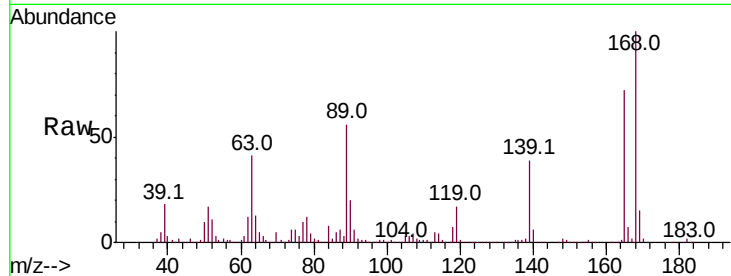
#57
2,4-Dinitrotoluene
Concen: 43.146 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	492128		
63	57.1	35.5	53.3	#
89	77.7	55.2	82.8	
182	2.6	2.2	3.2	

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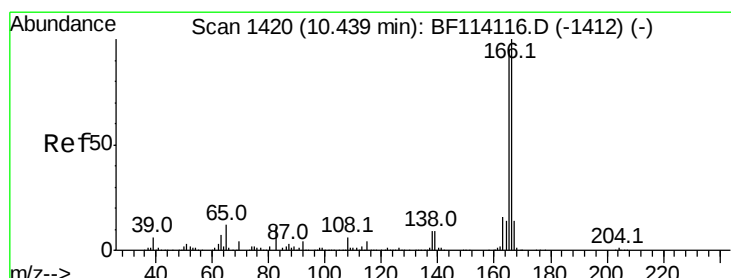
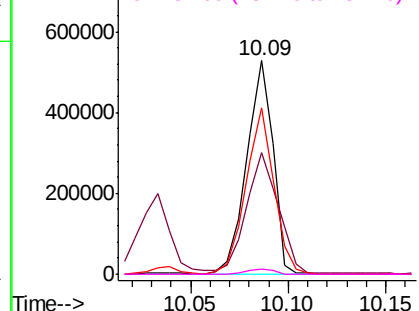
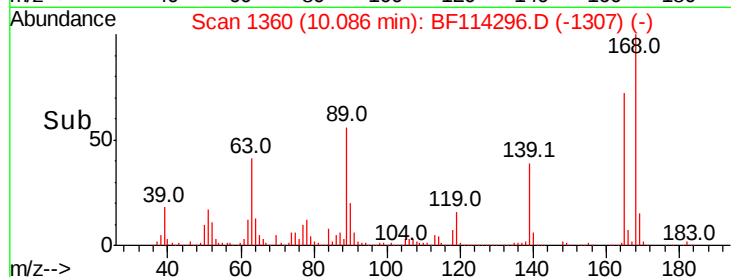
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

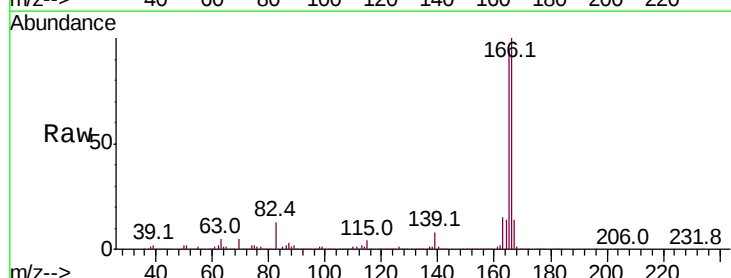
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 44.121 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1565073		
165	94.4	76.1	114.1	
167	14.0	11.1	16.7	

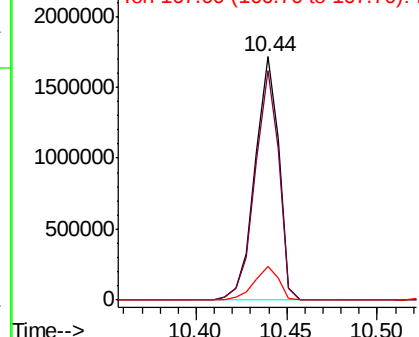
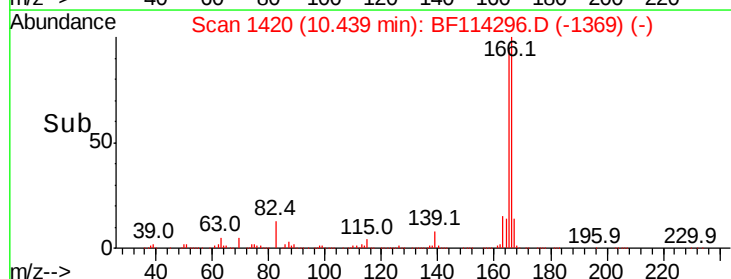


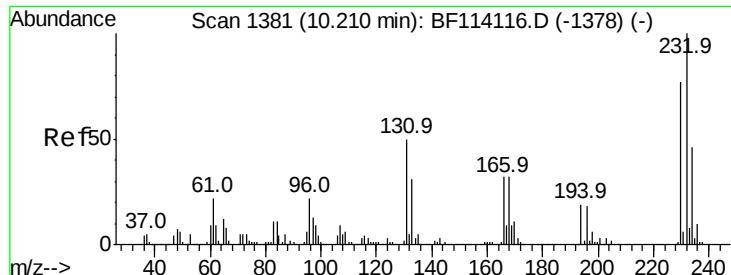
Abundance

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





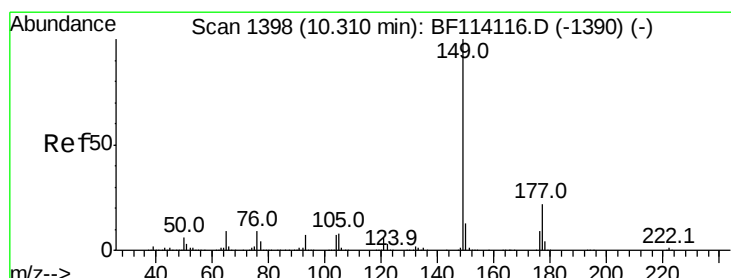
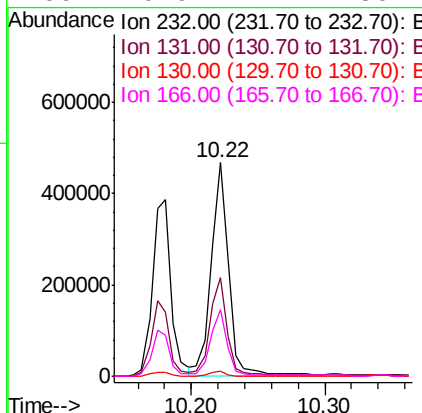
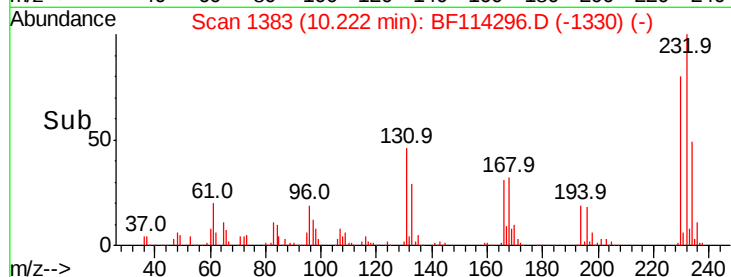
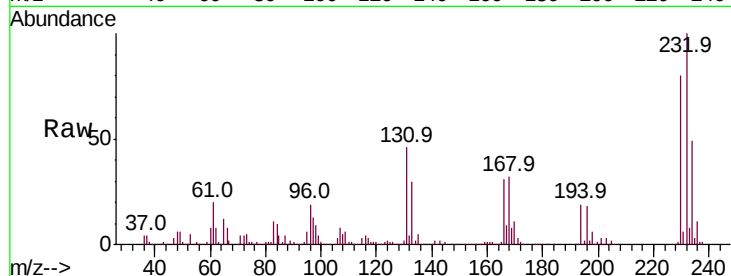
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.018 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	428385		
131	45.2		35.6	53.4
130	2.3		1.6	2.4
166	29.9		24.1	36.1

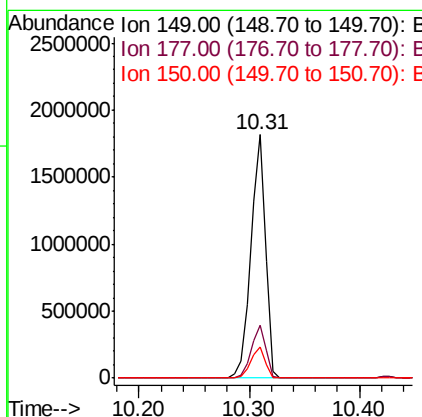
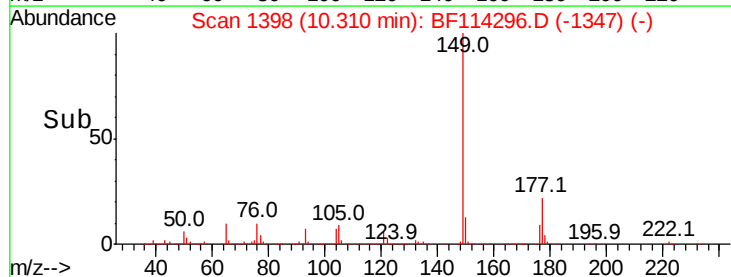
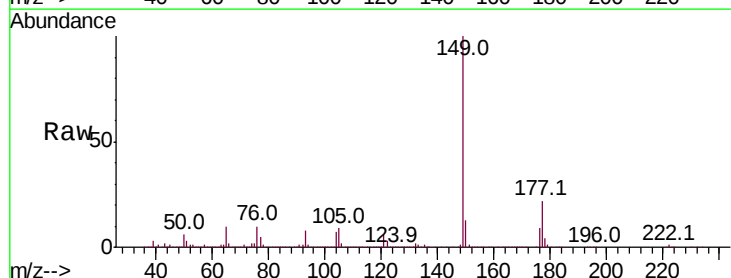
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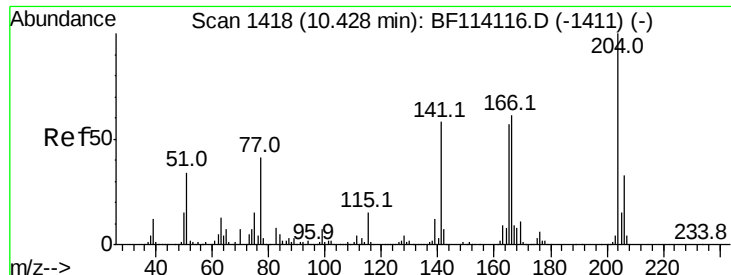
mohammad
5/16/2019 9:51:09 AM



#60
Diethylphthalate
Concen: 43.868 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1688787		
177	22.0		17.8	26.6
150	12.9		10.2	15.2





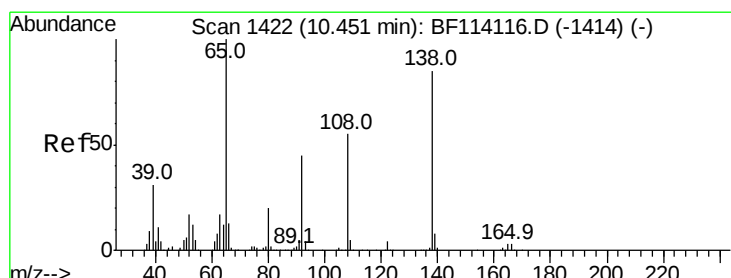
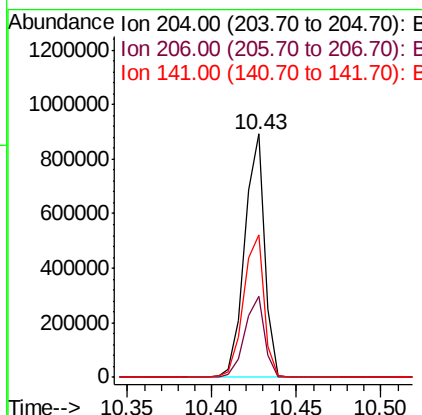
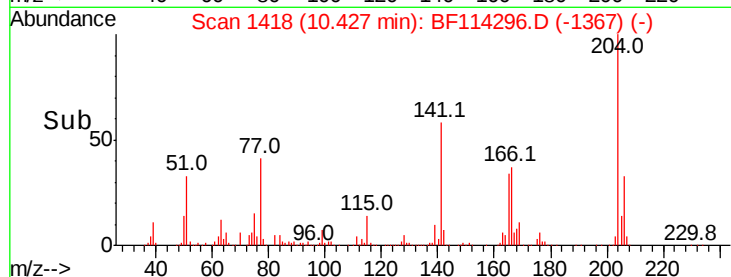
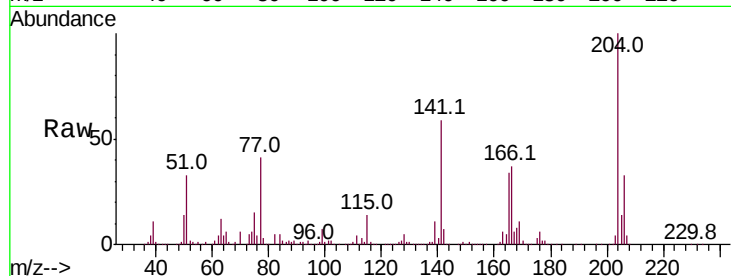
#61
4-Chlorophenyl-phenylether
Concen: 42.161 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	39.8
141	58.6	46.4	69.6

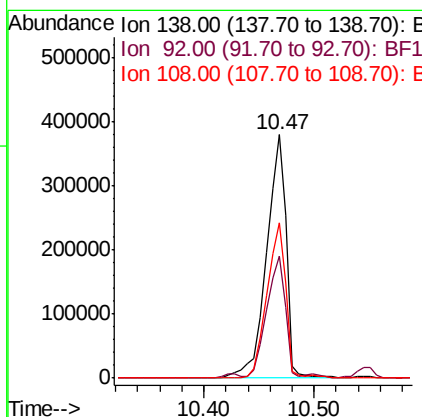
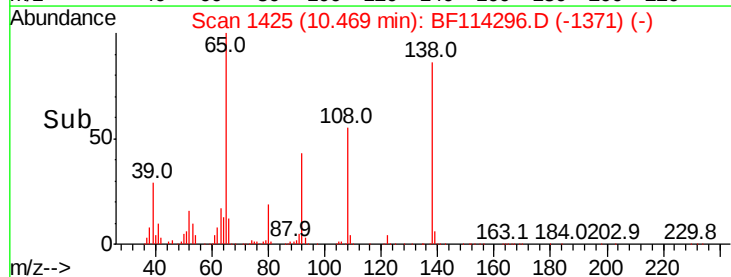
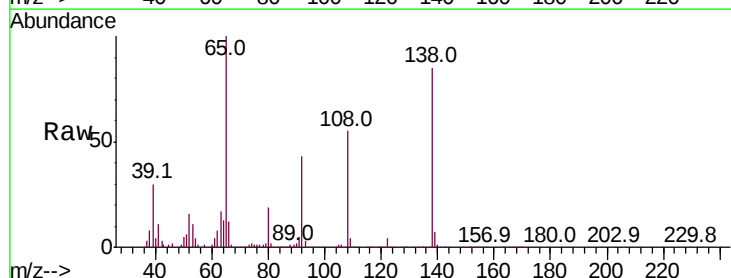
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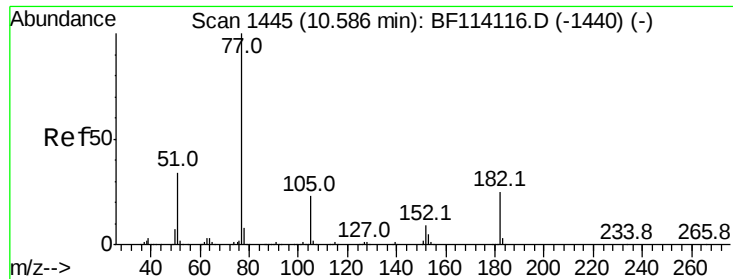
mohammad
5/16/2019 9:51:09 AM



#62
4-Nitroaniline
Concen: 43.130 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.02 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.0	33.0	73.0
108	64.0	44.9	84.9





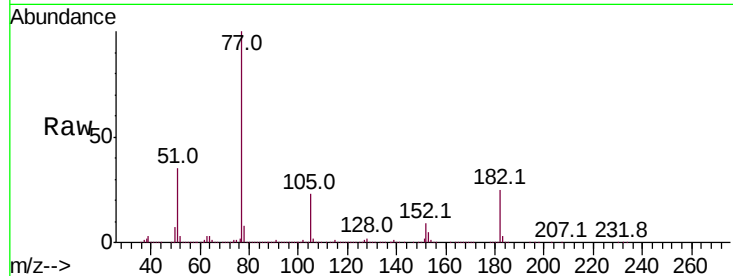
#63
Azobenzene
Concen: 44.367 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	24.5	4.7	44.7	
105	23.3	2.9	42.9	
51	35.4	14.6	54.6	

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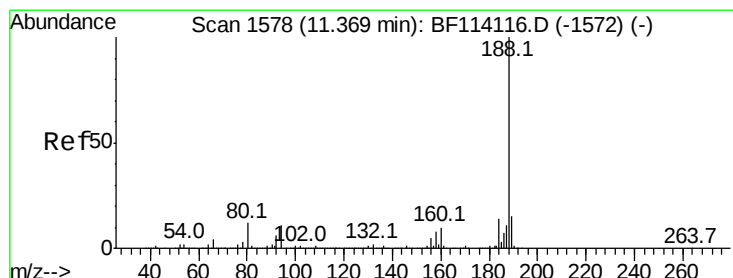
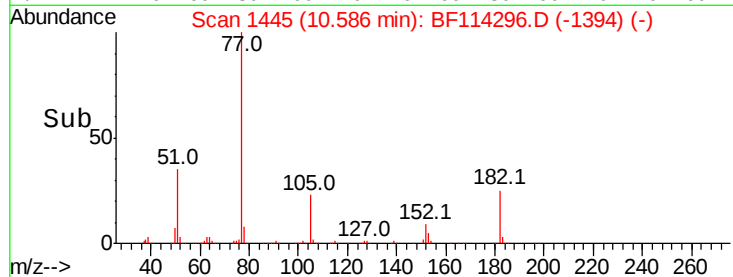
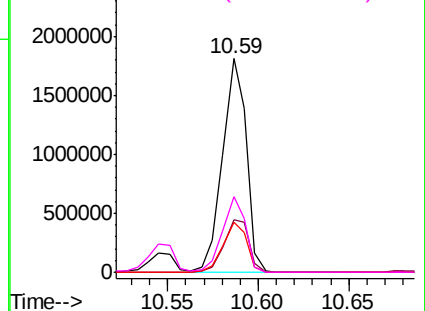
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

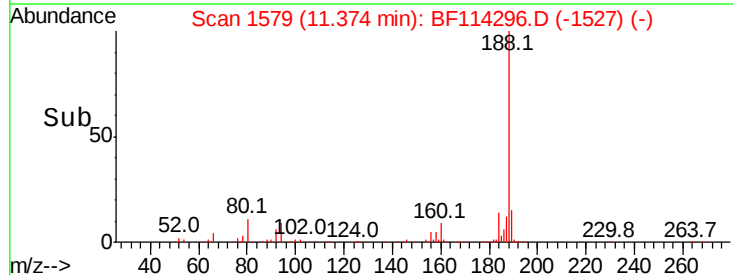
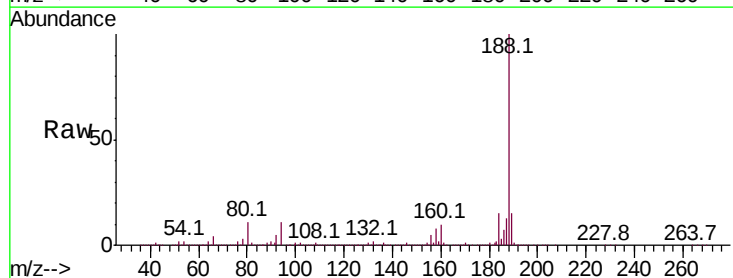
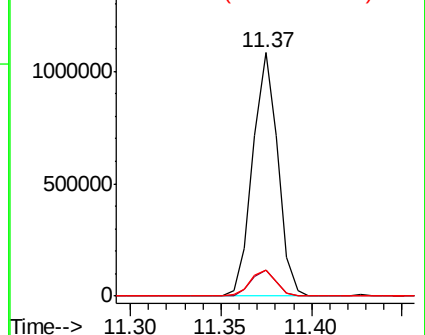
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	10.8	8.4	12.6	
80	10.9	9.2	13.8	

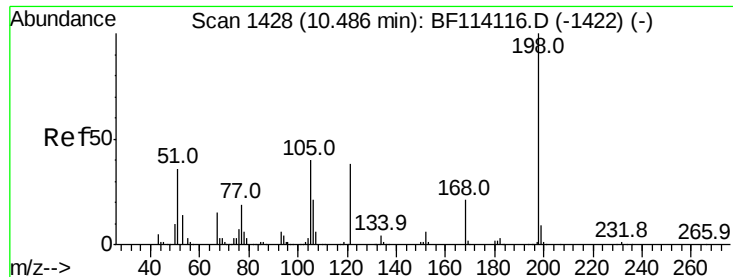
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 43.280 ng

RT: 10.50 min Scan# 1430

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

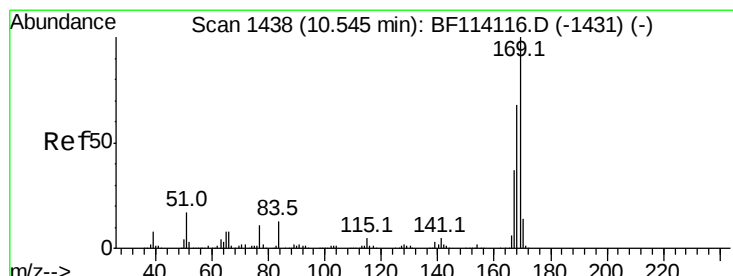
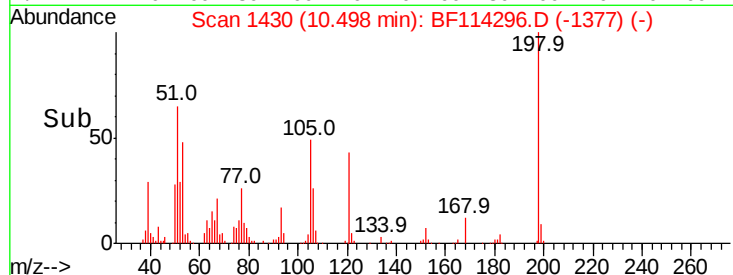
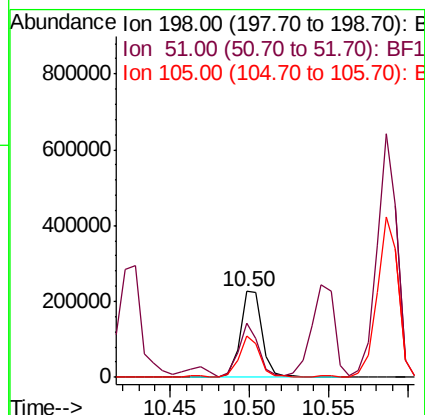
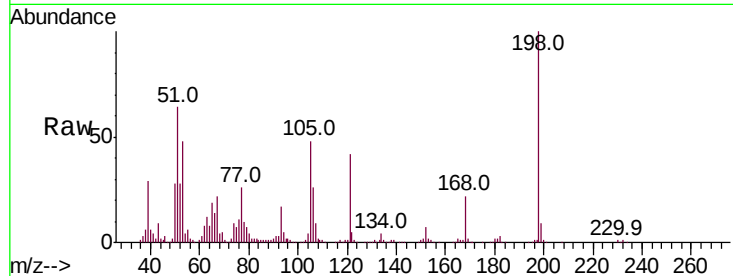
ClientSampleId :

SOIL-COMPMS

Tot Ion:	198	Resp:	217182
Ion Ratio	Lower	Upper	
198	100		
51	63.5	28.0	68.0
105	48.3	21.1	61.1

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#66

n-Nitrosodiphenylamine

Concen: 45.146 ng

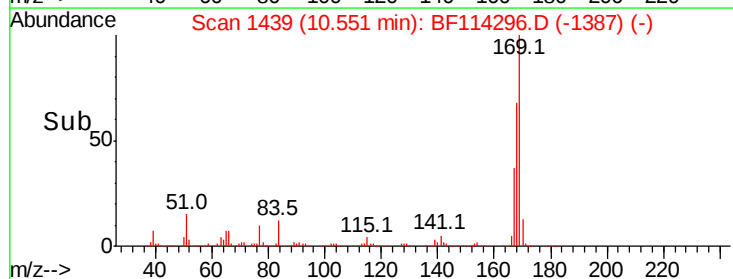
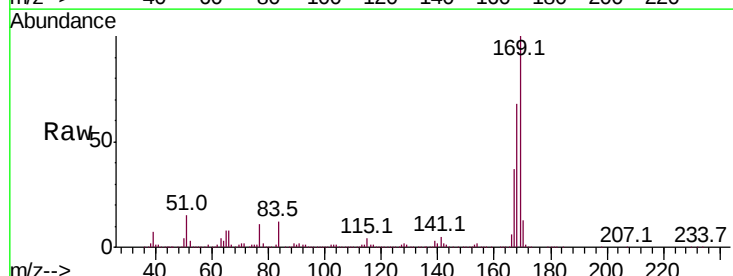
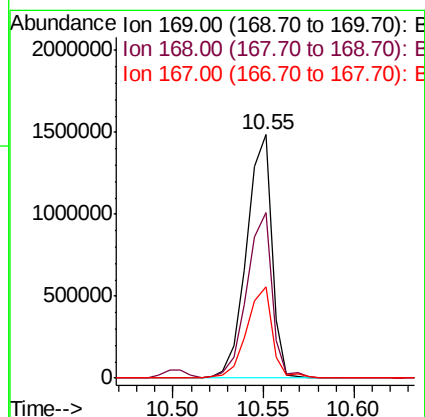
RT: 10.55 min Scan# 1439

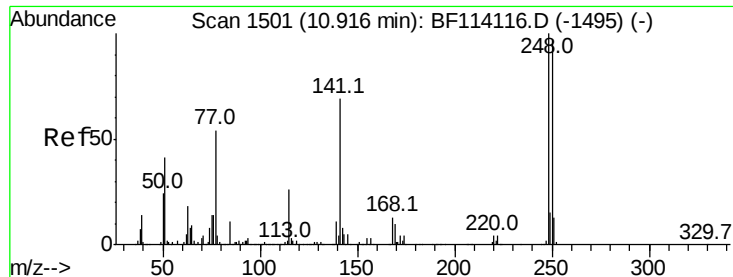
Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Tgt Ion:	169	Resp:	1430934
Ion Ratio	Lower	Upper	
169	100		
168	67.8	54.2	81.2
167	37.5	29.8	44.8





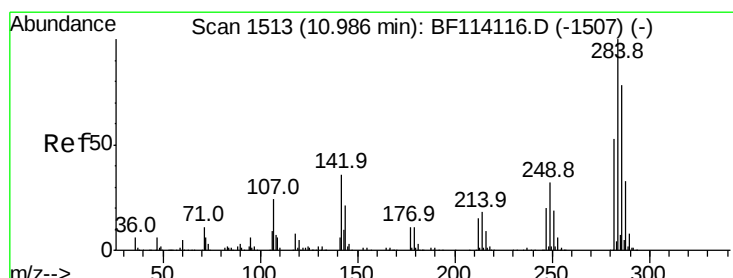
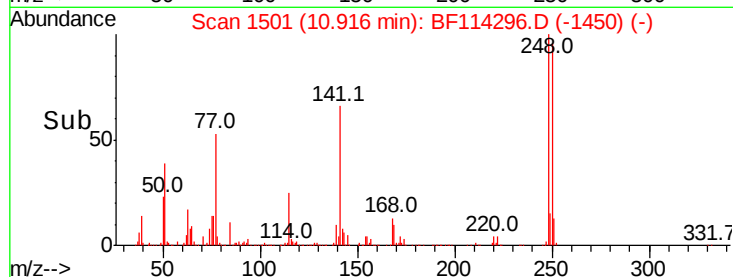
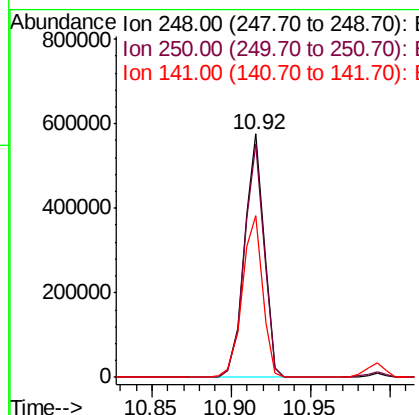
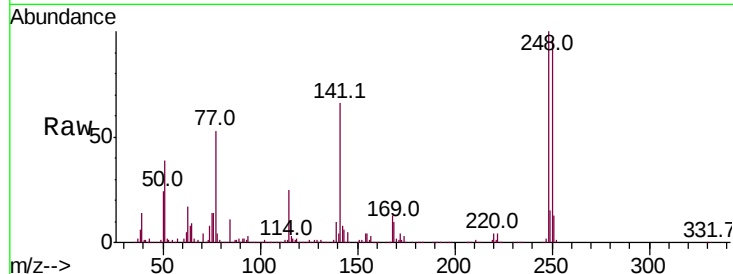
#67
4-Bromophenyl-phenylether
Concen: 42.707 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.8	77.4	116.2
141	66.3	55.6	83.4

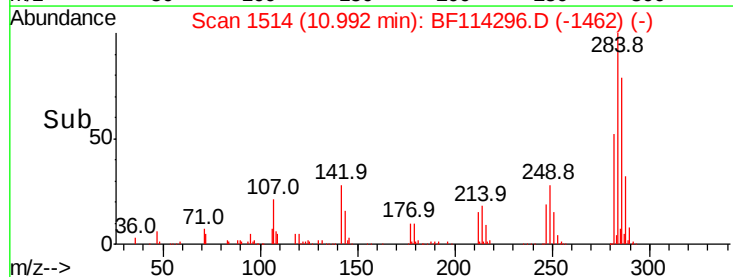
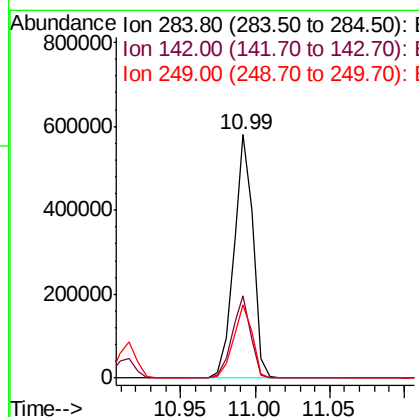
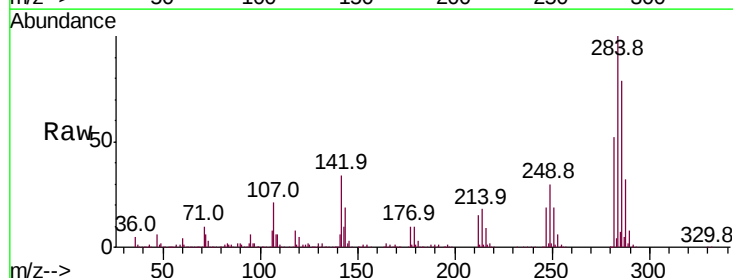
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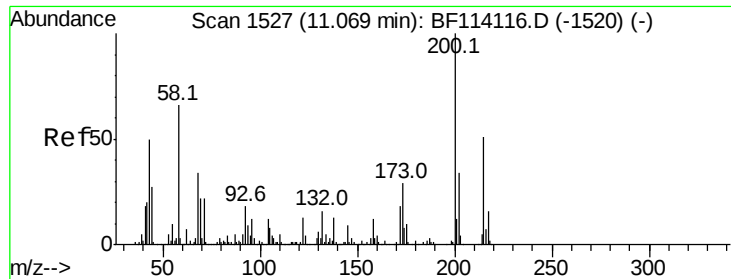
mohammad
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#68
Hexachlorobenzene
Concen: 41.197 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.9	28.4	42.6
249	30.1	25.2	37.8





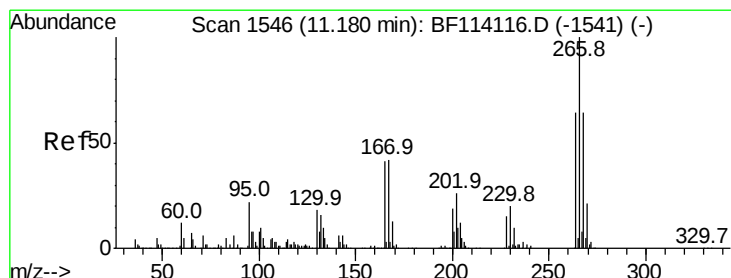
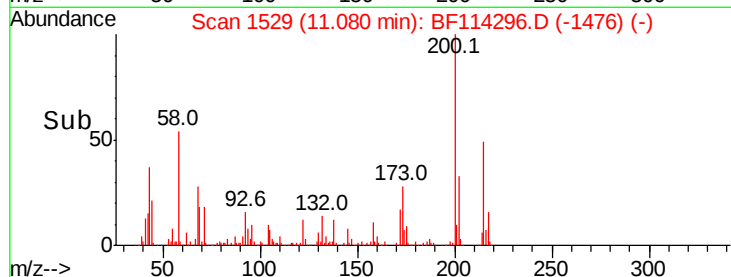
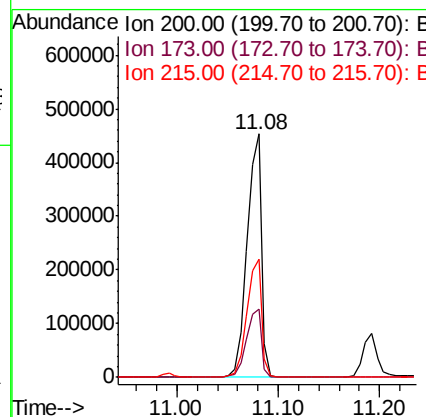
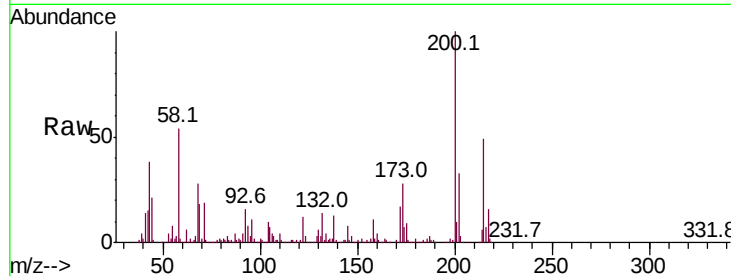
#69
 Atrazine
 Concen: 45.289 ng
 RT: 11.08 min Scan# 1529
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion:	200	Resp:	446711
Ion Ratio	Lower	Upper	
200	100		
173	28.3	8.9	48.9
215	48.6	30.7	70.7

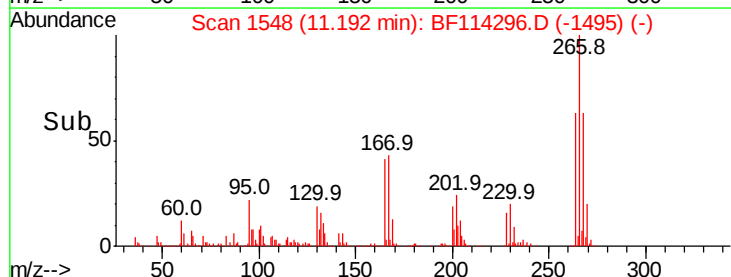
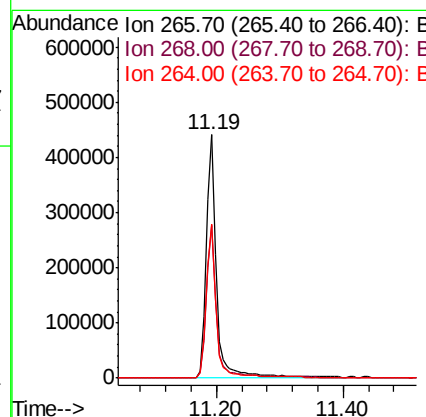
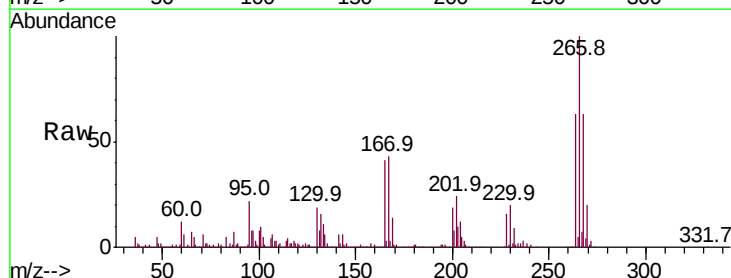
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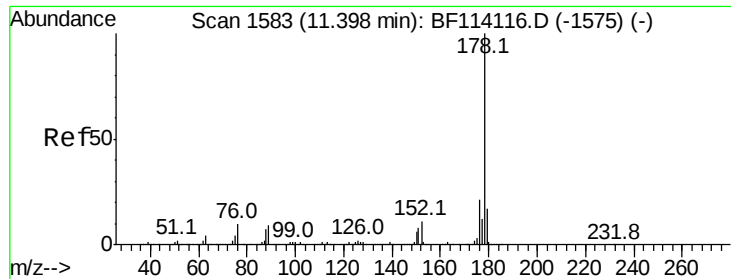
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#70
 Pentachlorophenol
 Concen: 81.946 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Tgt Ion:	266	Resp:	494134
Ion Ratio	Lower	Upper	
266	100		
268	62.6	51.1	76.7
264	63.2	51.1	76.7





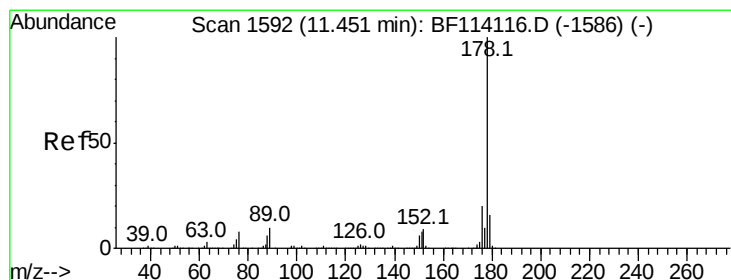
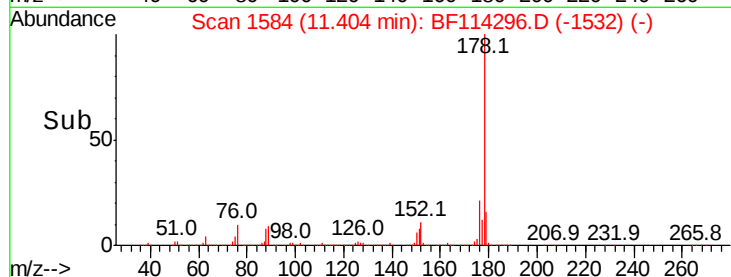
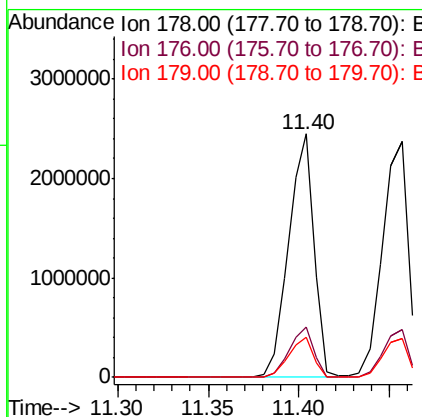
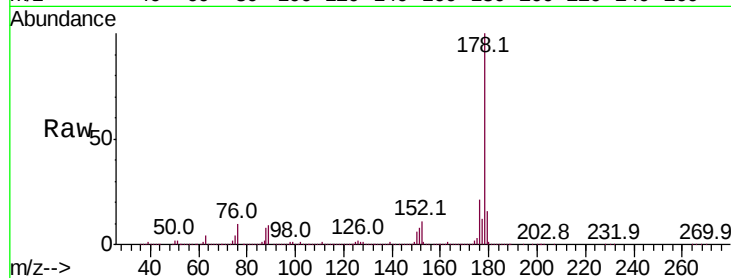
#71
Phenanthrene
Concen: 47.317 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion:178 Resp: 2404092
Ion Ratio Lower Upper
178 100
176 20.7 16.4 24.6
179 16.3 13.2 19.8

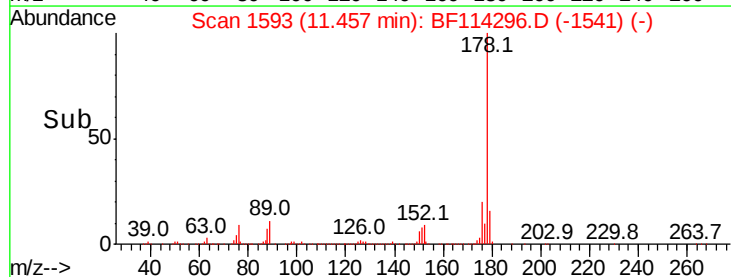
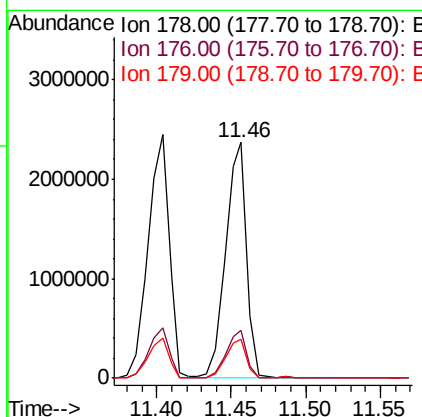
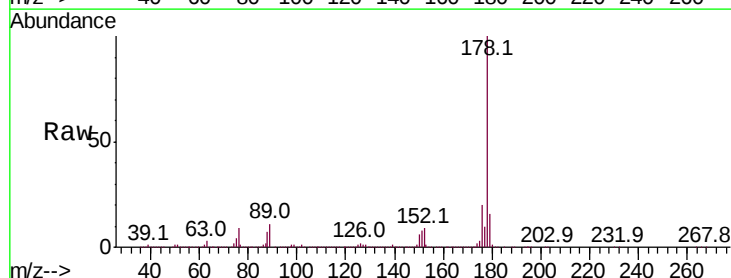
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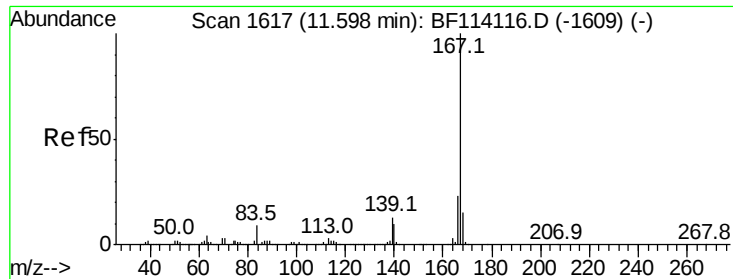
mohammad
5/16/2019 9:51:09 AM



#72
Anthracene
Concen: 46.071 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion:178 Resp: 2351123
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 16.4 13.0 19.4





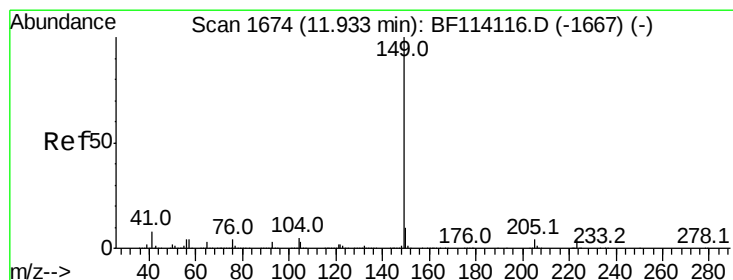
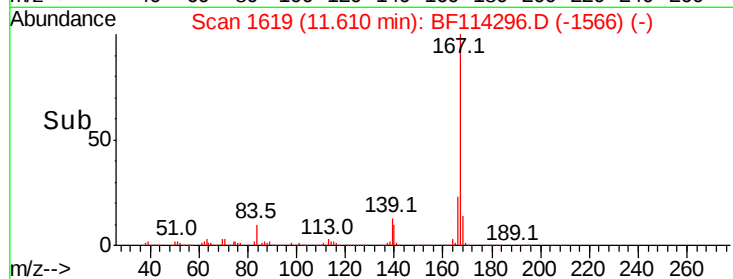
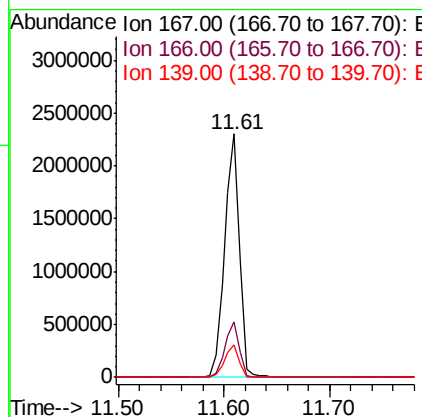
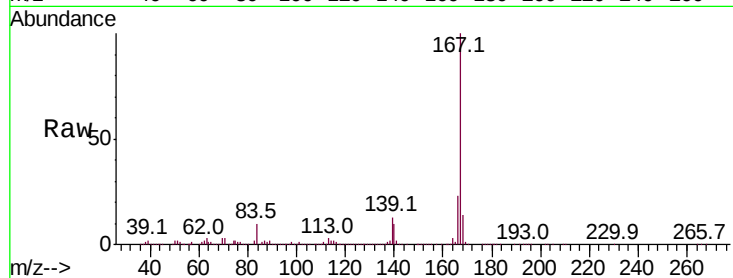
#73
 Carbazole
 Concen: 46.343 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.2
139	13.4	10.6	16.0

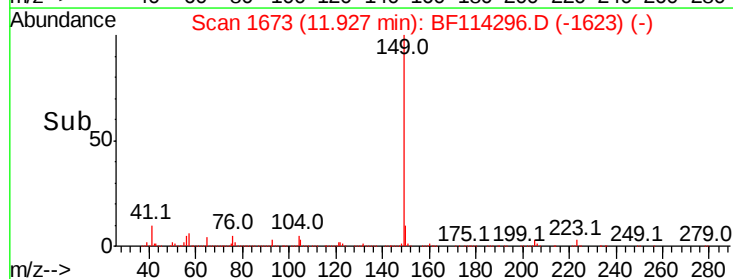
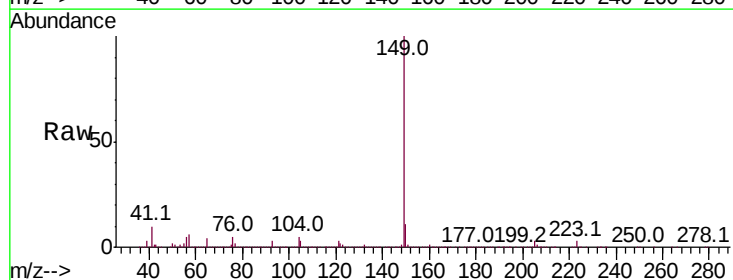
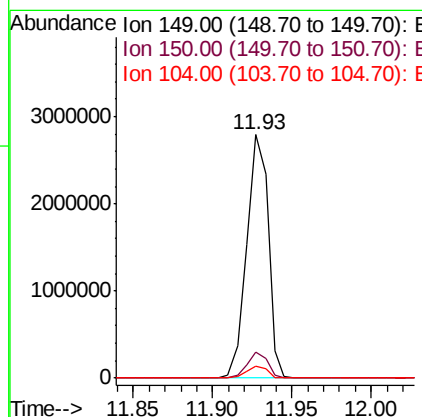
Manual Integrations
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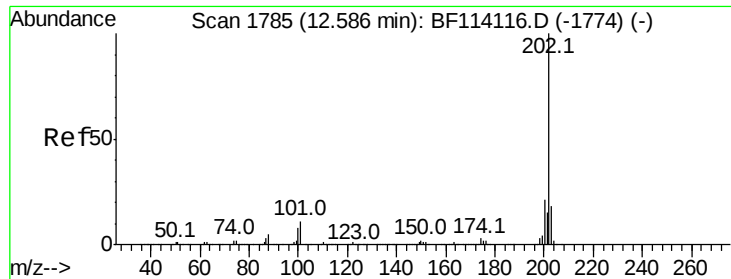
mohammad
 5/16/2019 9:51:09 AM



#74
 Di-n-butylphthalate
 Concen: 46.751 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.5	7.7	11.5
104	5.2	3.6	5.4





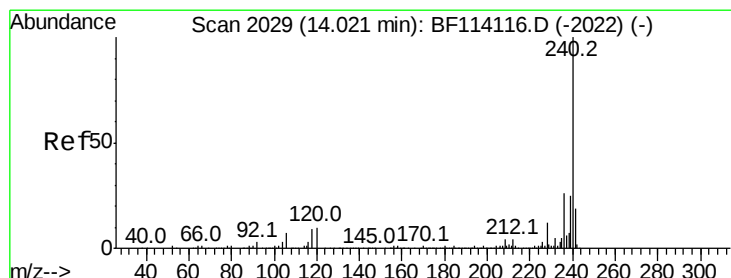
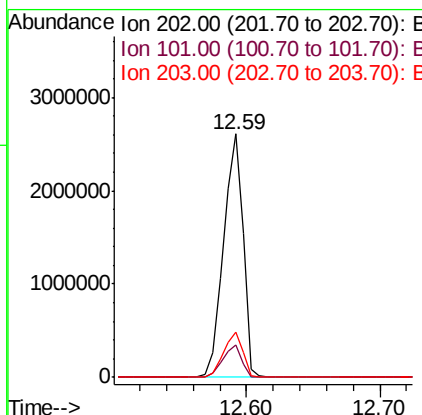
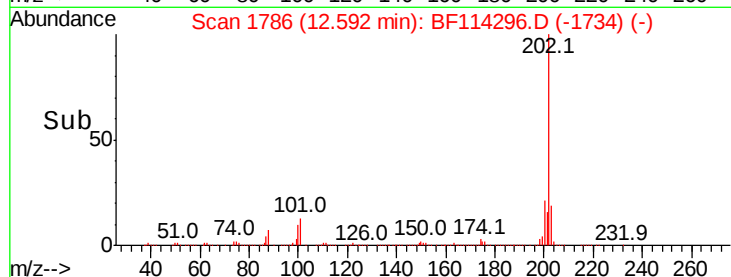
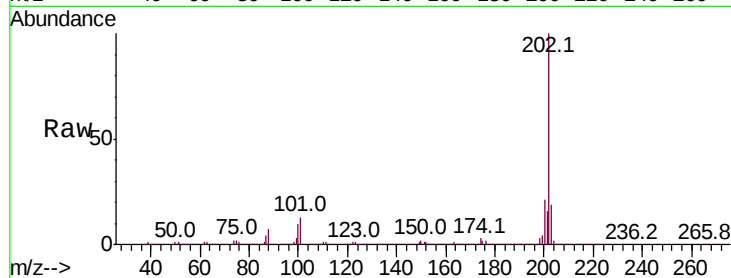
#75
 Fluoranthene
 Concen: 49.592 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-COMPMS

Tot Ion:	202	Resp:	2713360
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.0
203	18.5	0.0	38.4

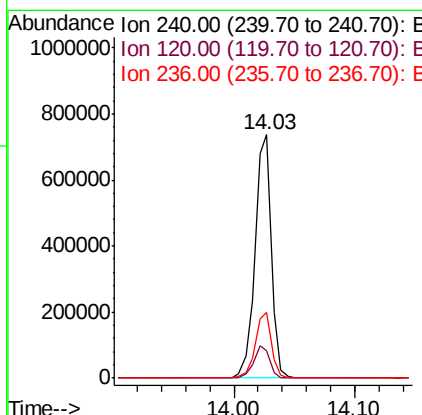
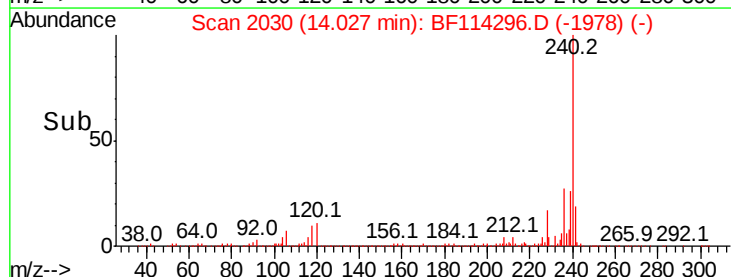
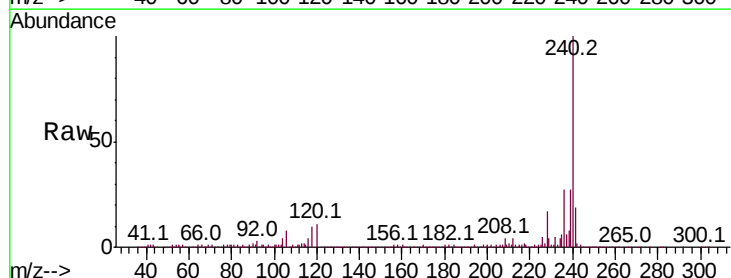
Manual Integrations
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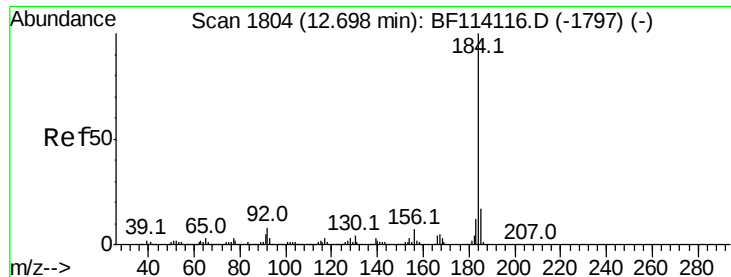
mohammad
 5/16/2019 9:51:09 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Tgt Ion:	240	Resp:	695065
Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.3	12.5
236	26.8	20.8	31.2





#77

Benzidine

Concen: 31.548 ng

RT: 12.70 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

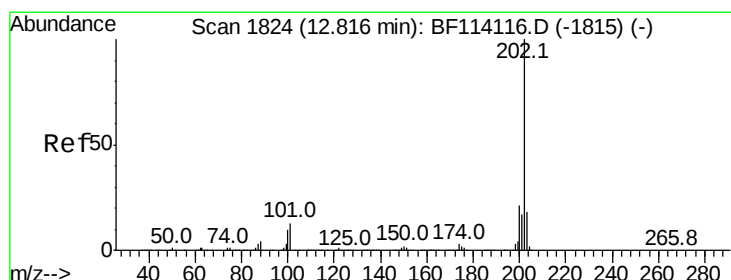
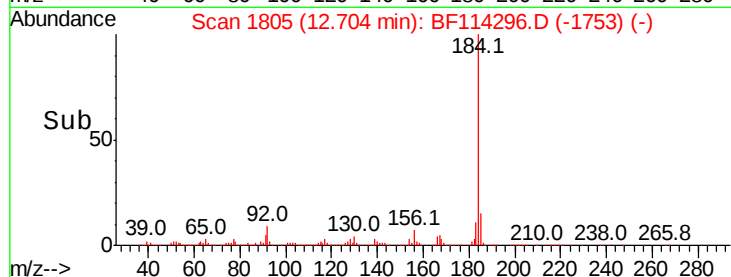
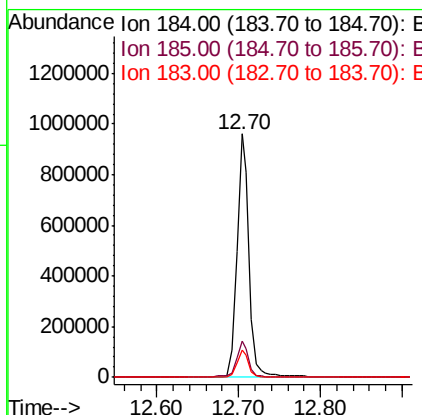
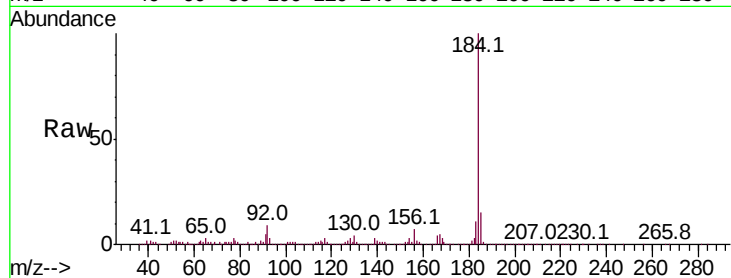
ClientSampleId :

SOIL-COMPMS

Tot Ion:	184	Resp:	984318
Ion Ratio	Lower	Upper	
184	100		
185	14.9	13.6	20.4
183	11.0	9.2	13.8

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#78

Pyrene

Concen: 48.090 ng

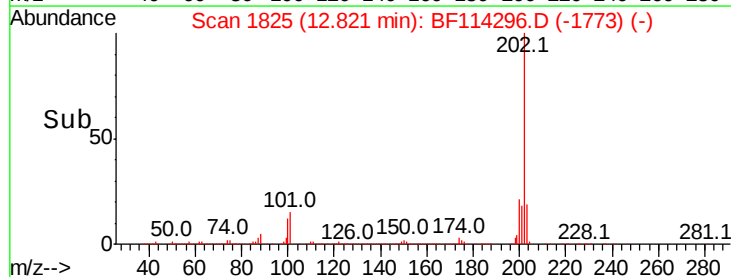
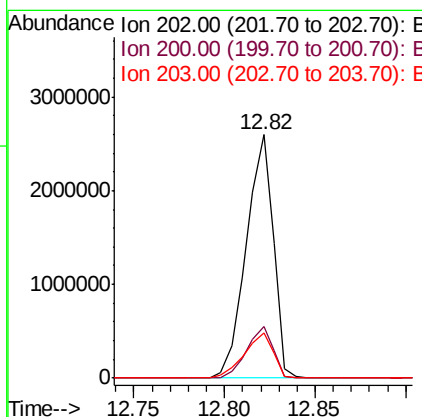
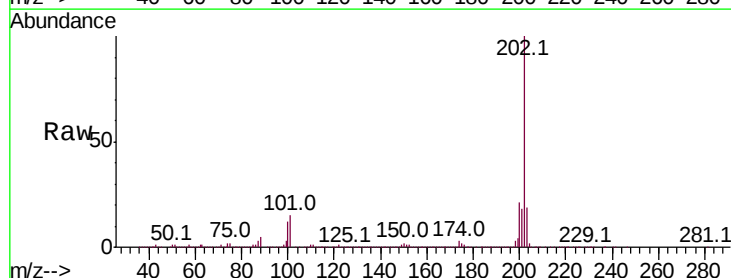
RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Tgt Ion:	202	Resp:	2688928
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.9	25.3
203	18.7	14.5	21.7





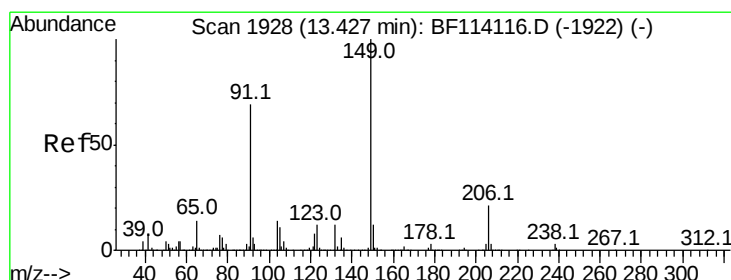
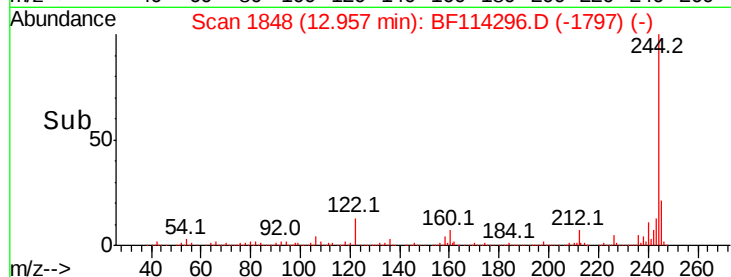
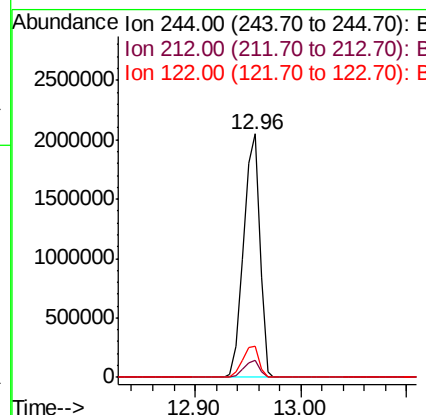
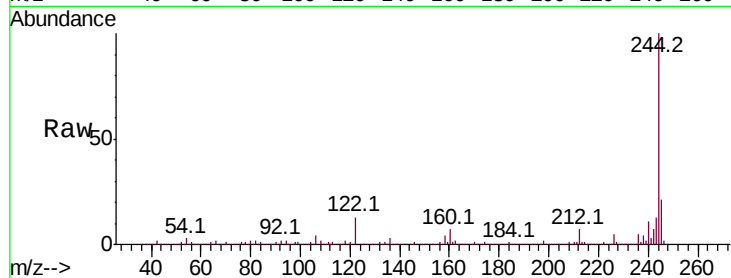
#79
 Terphenyl-d14
 Concen: 63.318 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Instrument :
 BNA_F
 ClientSampled :
 SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	12.6	9.4	14.2

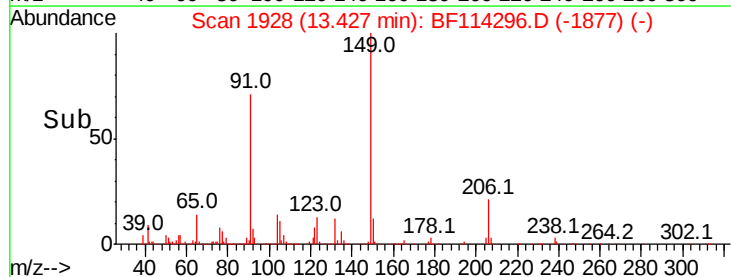
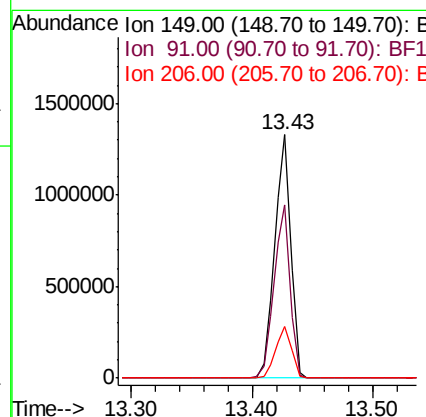
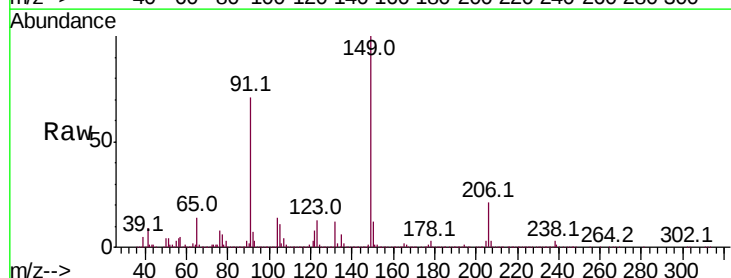
Manual Integrations
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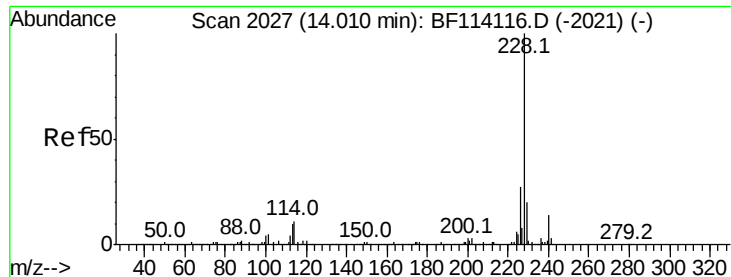
mohammad
 5/16/2019 9:51:09 AM



#80
 Butylbenzylphthalate
 Concen: 51.775 ng
 RT: 13.43 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BF114296.D
 Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.4	55.0	82.4
206	21.1	16.9	25.3





#81

Benzo(a)anthracene

Concen: 48.682 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:228 Resp: 2188561

Ion Ratio Lower Upper

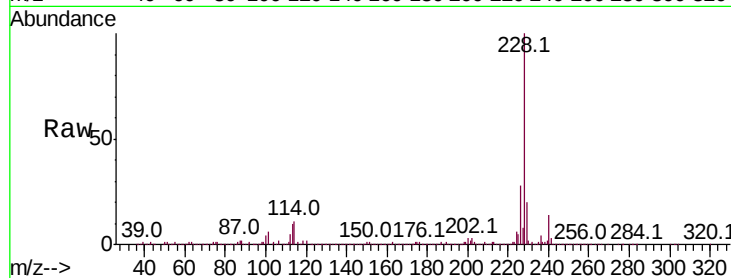
228 100

226 27.9 22.2 33.2

229 20.2 16.4 24.6

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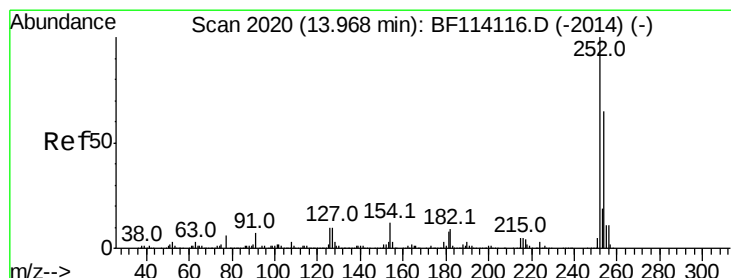
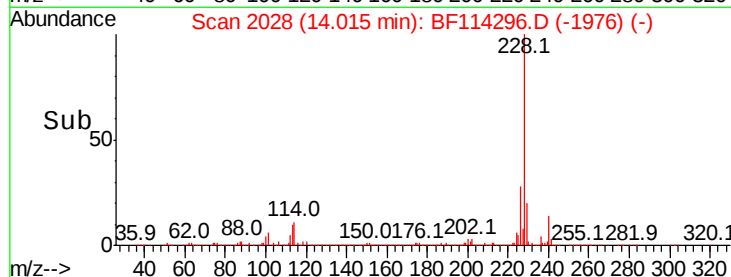
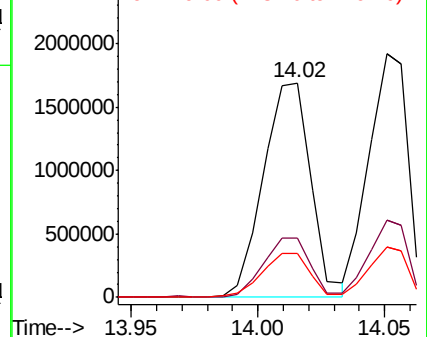


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 26.532 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

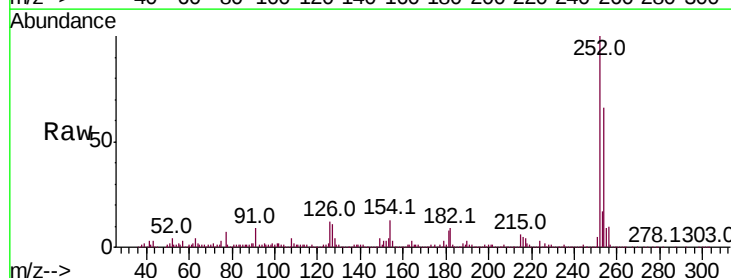
Tgt Ion:252 Resp: 462711

Ion Ratio Lower Upper

252 100

254 65.6 51.9 77.9

126 11.7 7.9 11.9

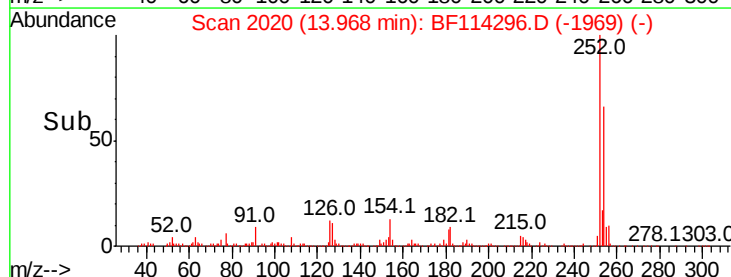
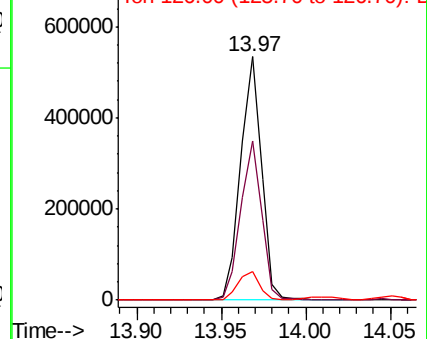


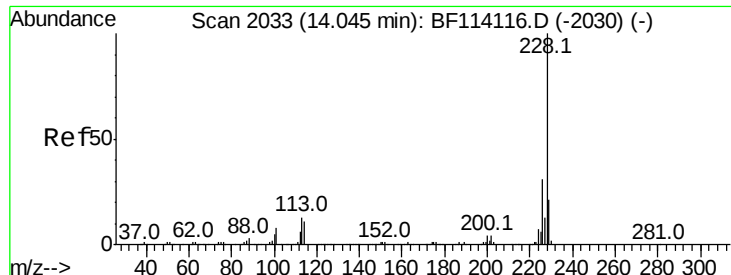
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





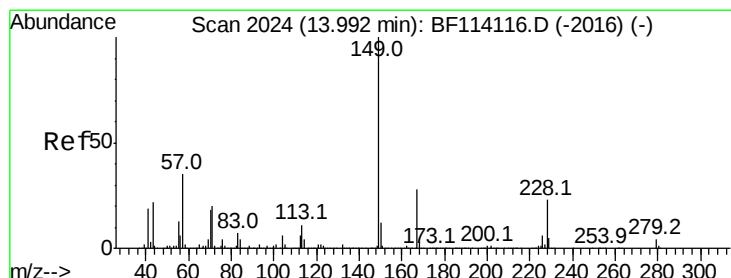
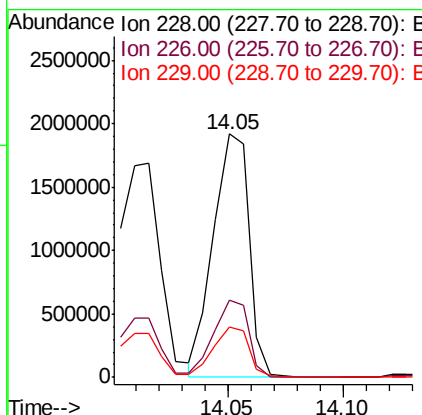
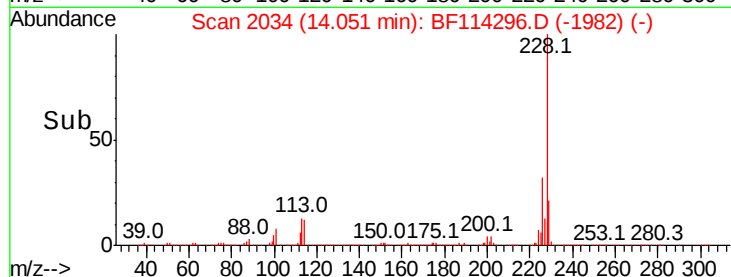
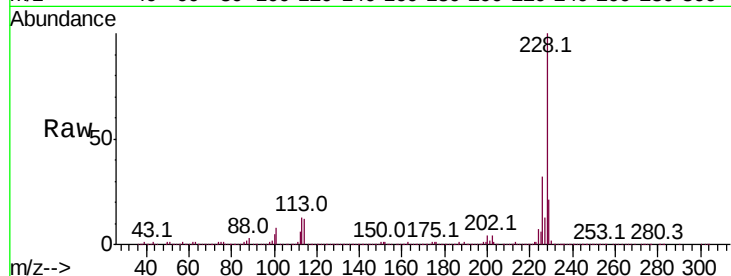
#83
Chrysene
Concen: 46.722 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampled :
SOIL-COMPMS

Tot Ion:228 Resp: 2059043
Ion Ratio Lower Upper
228 100
226 31.6 25.0 37.6
229 20.6 17.0 25.6

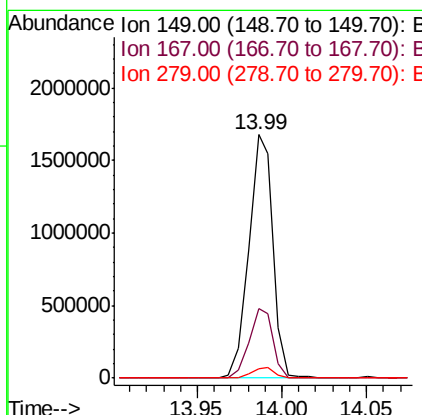
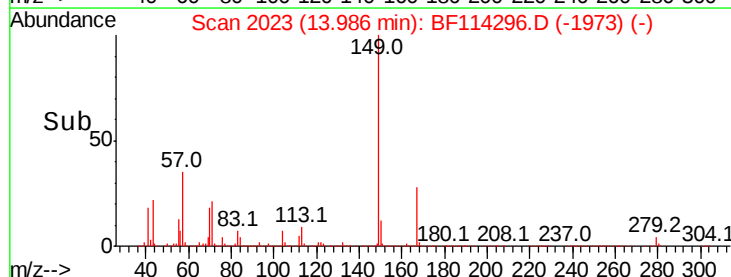
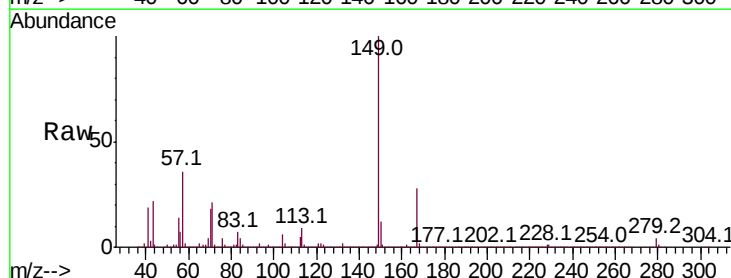
Manual Integrations
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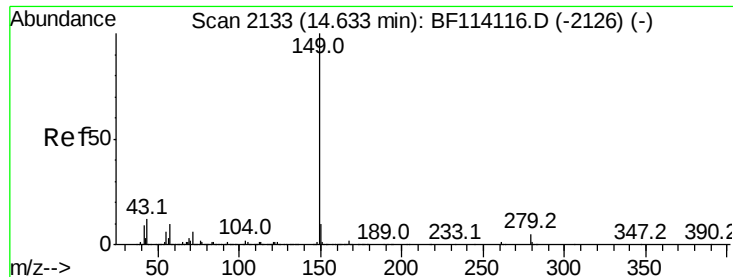
mohammad
5/16/2019 9:51:09 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 53.920 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion:149 Resp: 1659690
Ion Ratio Lower Upper
149 100
167 28.4 22.6 33.8
279 3.8 3.0 4.6





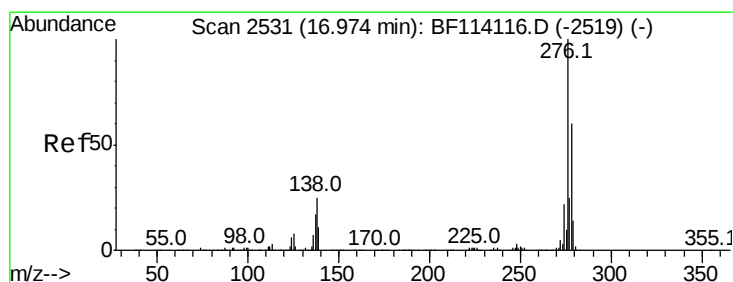
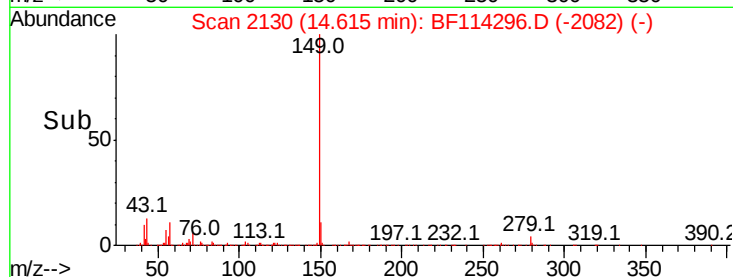
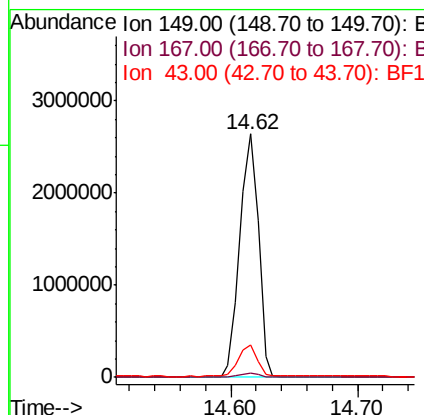
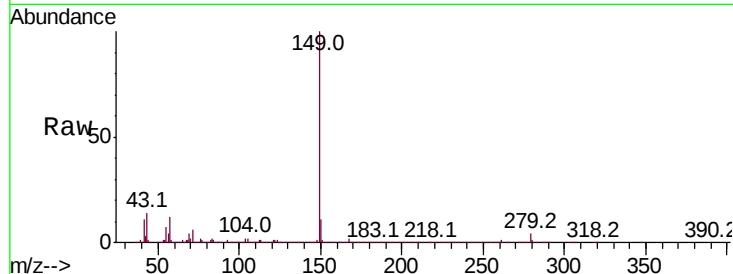
#85
Di-n-octyl phthalate
Concen: 53.482 ng
RT: 14.62 min Scan# 2130
Delta R.T. -0.02 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.9	10.1	15.1

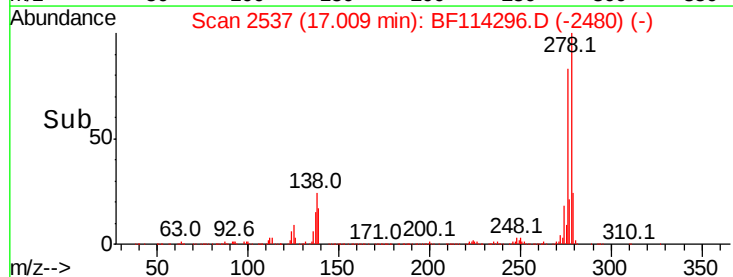
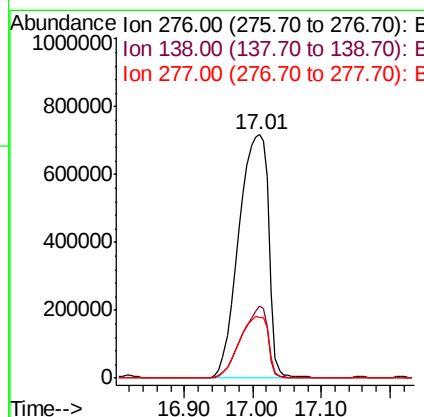
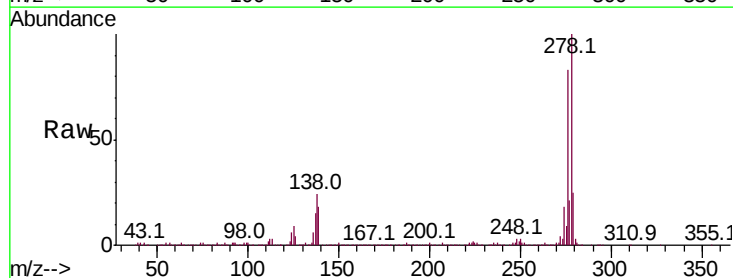
Manual Integrations
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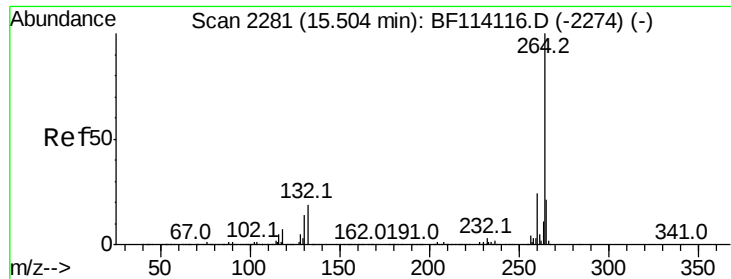
mohammad
5/16/2019 9:51:09 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 55.809 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.04 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	20.2	30.2
277	25.0	20.0	30.0





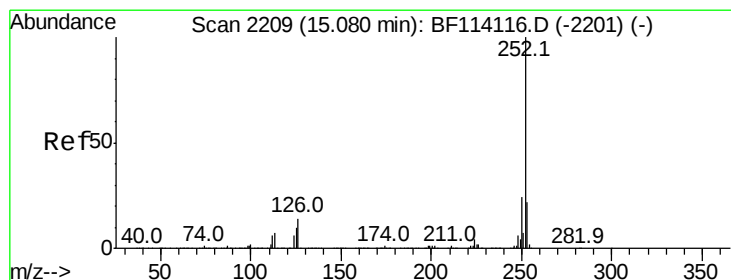
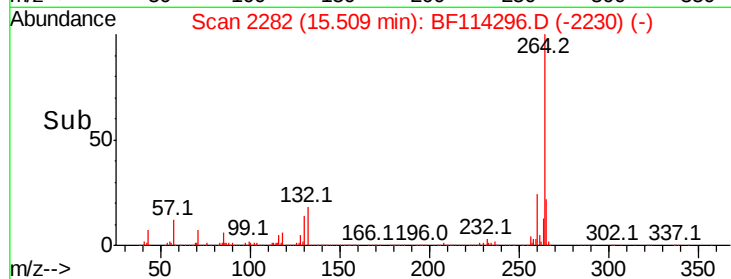
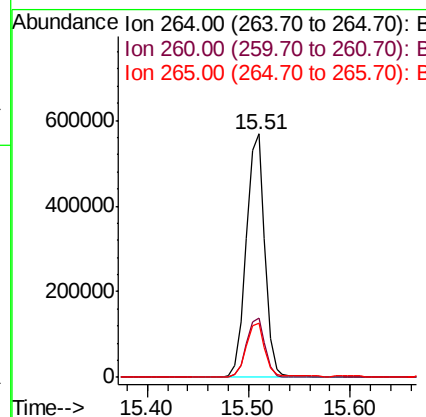
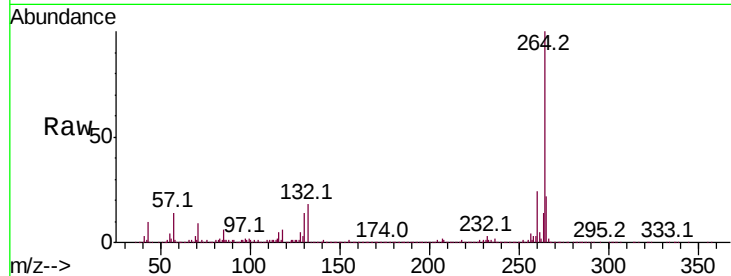
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	22.1	16.9	25.3

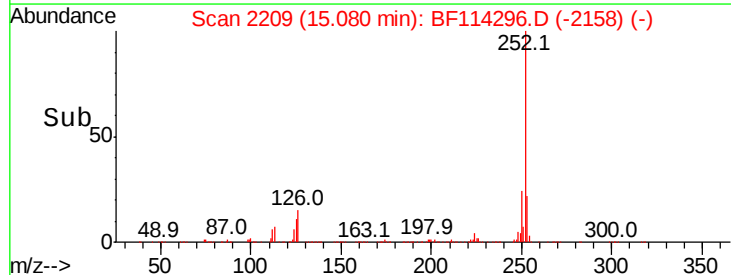
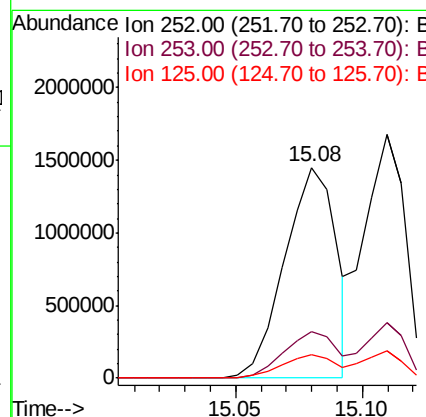
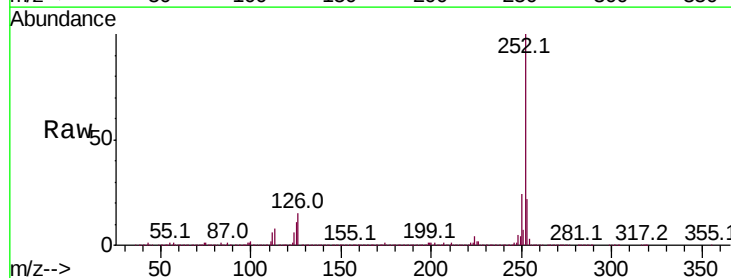
Manual Integrations
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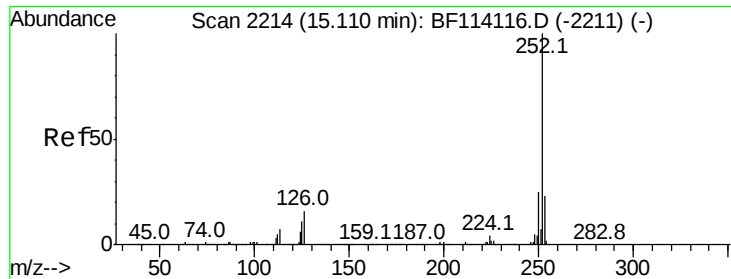
mohammad
5/16/2019 9:51:09 AM



#88
Benzo(b)fluoranthene
Concen: 44.432 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	11.4	8.3	12.5





#89

Benzo(k)fluoranthene

Concen: 44.103 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

Instrument :

BNA_F

ClientSampleId :

SOIL-COMPMS

Tot Ion:252 Resp: 1875381

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

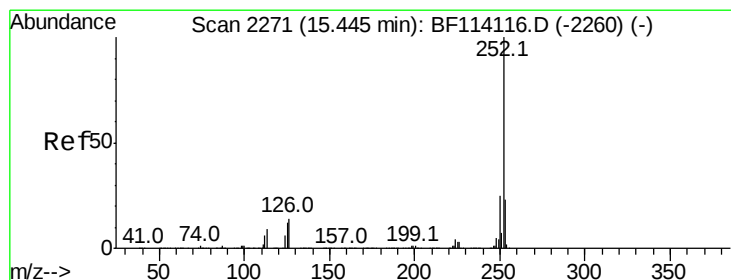
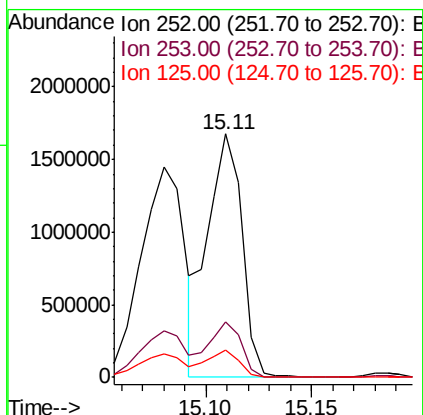
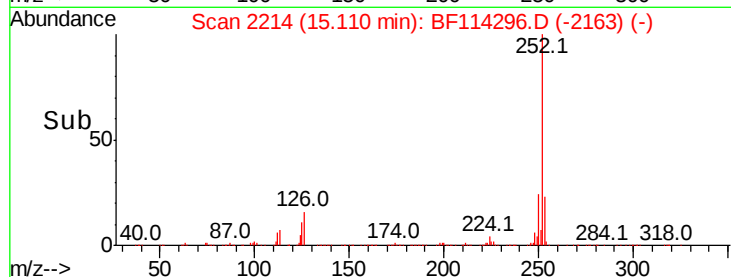
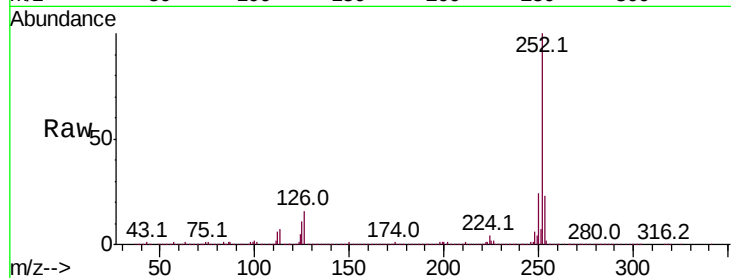
125 11.0 8.6 13.0

Manual Integrations

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mohammad

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#90

Benzo(a)pyrene

Concen: 46.247 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.01 min

Lab File: BF114296.D

Acq: 15 May 2019 20:32

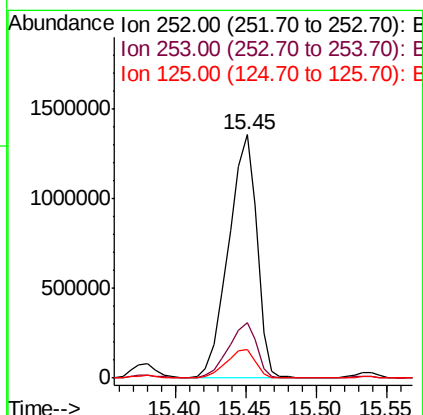
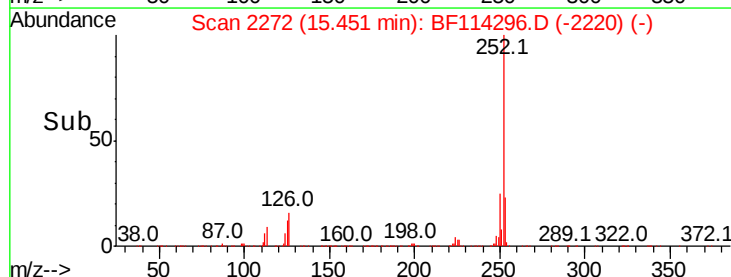
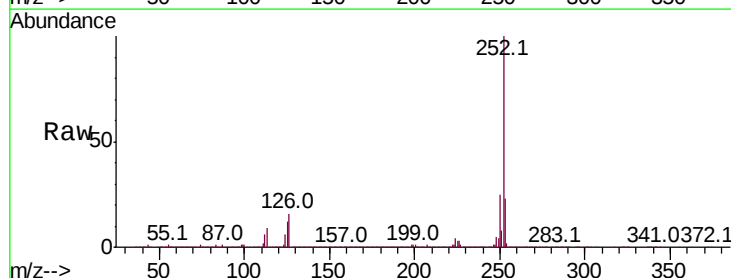
Tgt Ion:252 Resp: 1884101

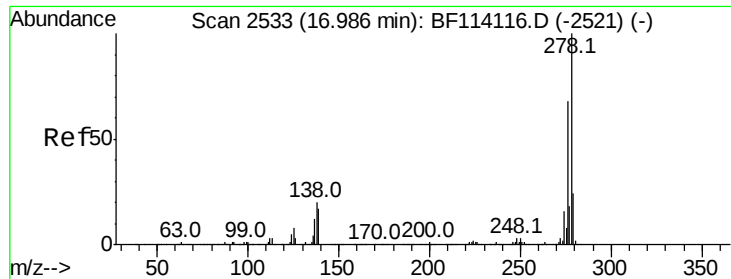
Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 11.8 9.5 14.3





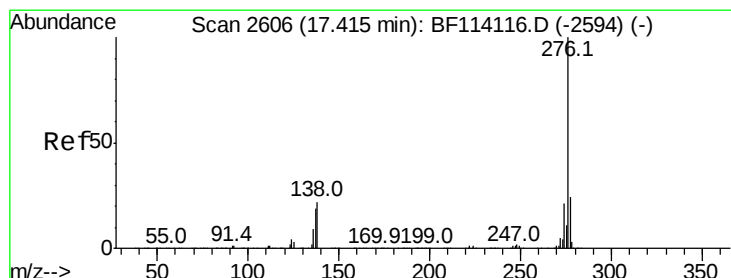
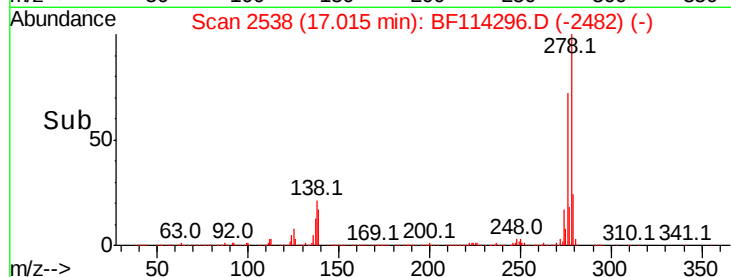
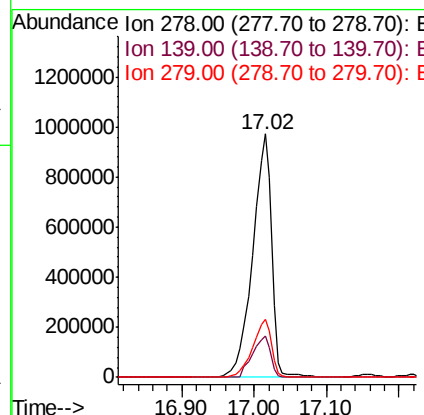
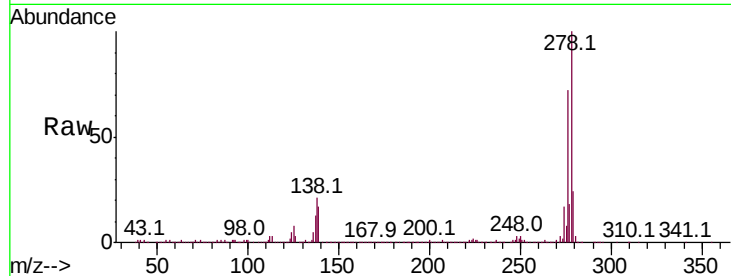
#91
Dibenzo(a,h)anthracene
Concen: 51.785 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.03 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Instrument :
BNA_F
ClientSampleId :
SOIL-COMPMS

Tot Ion:278 Resp: 1753080
Ion Ratio Lower Upper
278 100
139 16.9 13.5 20.3
279 23.9 19.0 28.6

Manual Integrations
APPROVED

mohammad
5/16/2019 9:51:09 AM



#92
Benzo(g,h,i)perylene
Concen: 55.525 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.04 min
Lab File: BF114296.D
Acq: 15 May 2019 20:32

Tgt Ion:276 Resp: 1883744
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.4
138 22.7 17.8 26.6

