

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116179.D
 Acq On : 11 Aug 2019 6:44
 Operator : HP/JU
 Sample : K4165-03MSD
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:55:25 AM

Quant Time: Aug 12 04:41:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	149470	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	577055	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	278339	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	385894	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	268796	20.00	ng	0.00
87) Perylene-d12	15.47	264	251434	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	717345	80.34	ng	0.00
7) Phenol-d6	6.48	99	900931	79.98	ng	0.00
23) Nitrobenzene-d5	7.40	82	572198	57.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	180699	66.96	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	889630	59.87	ng	-0.01
79) Terphenyl-d14	12.93	244	652366	51.14	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.67	88	151797	33.653	ng	98
3) Pyridine	3.42	79	401261	31.846	ng	99
4) n-Nitrosodimethylamine	3.37	42	170757	34.341	ng	98
6) Aniline	6.50	93	444899	27.577	ng	93
8) 2-Chlorophenol	6.63	128	405404	41.061	ng	97
9) Benzaldehyde	6.39	77	207955	26.755	ng	96
10) Phenol	6.49	94	512882	38.662	ng	87
11) bis(2-Chloroethyl)ether	6.57	93	394544	40.453	ng	99
12) 1,3-Dichlorobenzene	6.78	146	430292	37.710	ng	99
13) 1,4-Dichlorobenzene	6.86	146	441949	38.683	ng	98
14) 1,2-Dichlorobenzene	7.01	146	407964	38.780	ng	99
15) Benzyl Alcohol	6.99	79	329355	38.526	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	513081	38.568	ng	97
17) 2-Methylphenol	7.10	107	331761	39.684	ng	99
18) Hexachloroethane	7.35	117	150729	35.833	ng	98
19) n-Nitroso-di-n-propylamine	7.25	70	274476	39.320	ng	97
20) 3+4-Methylphenols	7.25	107	404637	40.901	ng	# 88
22) Acetophenone	7.25	105	536191	42.368	ng	99
24) Nitrobenzene	7.42	77	438022	40.579	ng	99
25) Isophorone	7.66	82	801783	41.944	ng	100
26) 2-Nitrophenol	7.74	139	206979	40.678	ng	98
27) 2,4-Dimethylphenol	7.77	122	348487	45.523	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	499145	42.128	ng	99
29) 2,4-Dichlorophenol	7.99	162	342621	42.388	ng	98
30) 1,2,4-Trichlorobenzene	8.06	180	367016	39.834	ng	99
31) Naphthalene	8.14	128	1111096	40.917	ng	99
32) Benzoic acid	7.90	122	82219m	15.234	ng	
33) 4-Chloroaniline	8.19	127	281454	23.197	ng	99
34) Hexachlorobutadiene	8.26	225	211190	39.794	ng	100
35) Caprolactam	8.57	113	95237m	36.430	ng	
36) 4-Chloro-3-methylphenol	8.68	107	338309	40.233	ng	98
37) 2-Methylnaphthalene	8.83	142	729773	40.806	ng	99
38) 1-Methylnaphthalene	8.93	142	671975	39.717	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	336339	45.200	ng	99

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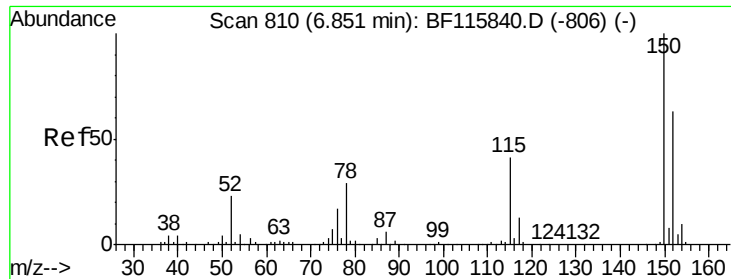
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	47818	19.177	nq	97
43) 2,4,6-Trichlorophenol	9.12	196	205226	40.069	nq	99
44) 2,4,5-Trichlorophenol	9.16	196	215872	40.773	nq	99
46) 1,1'-Biphenyl	9.29	154	869831	44.265	nq	99
47) 2-Chloronaphthalene	9.32	162	677505	41.425	nq	99
48) 2-Nitroaniline	9.42	65	211919	39.201	nq	94
49) Acenaphthylene	9.73	152	979857	41.066	nq	99
50) Dimethylphthalate	9.59	163	979597	51.689	nq	100
51) 2,6-Dinitrotoluene	9.66	165	169187	41.079	nq	97
52) Acenaphthene	9.91	154	584067	39.900	nq	99
53) 3-Nitroaniline	9.83	138	151633	29.796	nq	98
54) 2,4-Dinitrophenol	9.96	184	16143	14.766	nq	96
55) Dibenzofuran	10.08	168	836651	39.302	nq	100
56) 4-Nitrophenol	10.01	139	199117	61.079	nq	92
57) 2,4-Dinitrotoluene	10.07	165	196808	35.891	nq	95
58) Fluorene	10.42	166	645148	39.391	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	155326	34.871	nq	99
60) Diethylphthalate	10.29	149	753768	42.600	nq	99
61) 4-Chlorophenyl-phenylether	10.41	204	341726	41.198	nq	99
62) 4-Nitroaniline	10.45	138	155847	29.633	nq	97
63) Azobenzene	10.57	77	721627	39.652	nq	99
65) 4,6-Dinitro-2-methylphenol	10.49	198	23359	11.423	nq	80
66) n-Nitrosodiphenylamine	10.53	169	584020	50.281	nq	100
67) 4-Bromophenyl-phenylether	10.90	248	194734	47.140	nq	98
68) Hexachlorobenzene	10.97	284	200664	42.008	nq	97
69) Atrazine	11.06	200	175186	45.847	nq	100
70) Pentachlorophenol	11.17	266	152207	65.631	nq	99
71) Phenanthrene	11.39	178	825789	41.859	nq	99
72) Anthracene	11.44	178	857789	42.964	nq	99
73) Carbazole	11.59	167	748906	41.345	nq	99
74) Di-n-butylphthalate	11.91	149	1038582	49.151	nq	99
75) Fluoranthene	12.57	202	769241	37.246	nq	99
77) Benzidine	12.70	184	480702	52.935	nq	97
78) Pyrene	12.80	202	778661	38.429	nq	99
80) Butylbenzylphthalate	13.41	149	367538	42.881	nq	98
81) Benzo(a)anthracene	13.99	228	705878	41.086	nq	98
82) 3,3'-Dichlorobenzidine	13.95	252	268072	44.912	nq	97
83) Chrysene	14.03	228	688857	41.299	nq	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	547858	49.188	nq	100
85) Di-n-octyl phthalate	14.57	149	917088	51.839	nq	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	524946	37.472	nq	100
88) Benzo(b)fluoranthene	15.04	252	657740	45.242	nq	99
89) Benzo(k)fluoranthene	15.07	252	598668	42.278	nq	99
90) Benzo(a)pyrene	15.41	252	569546	43.825	nq	99
91) Dibenzo(a,h)anthracene	16.94	278	449509	39.958	nq	99
92) Benzo(g,h,i)perylene	17.39	276	418903	37.916	nq	100

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



#1

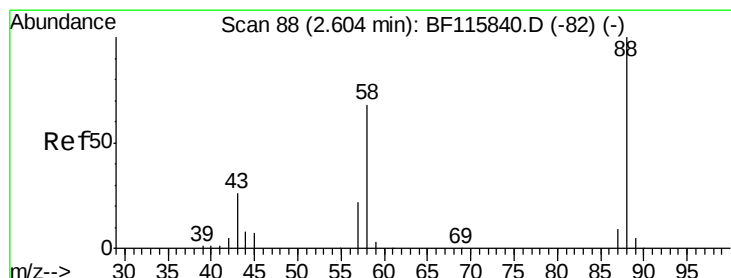
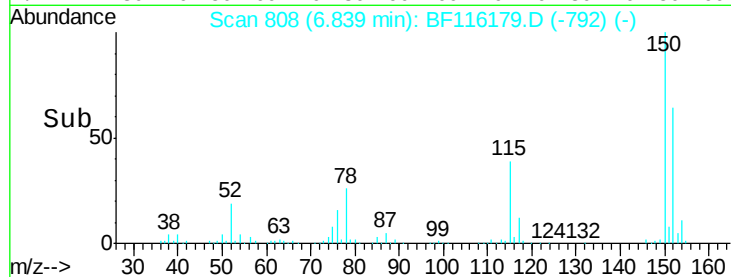
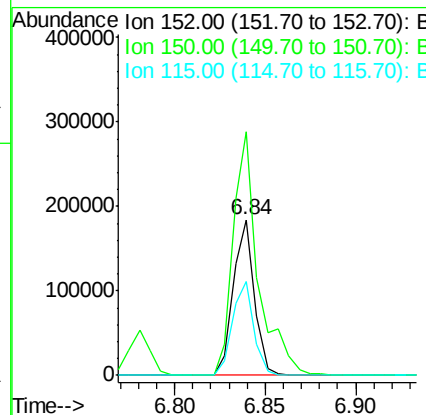
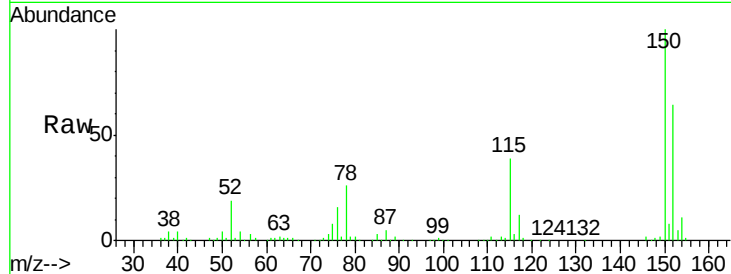
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.2	189.2
115	60.6	49.9	74.9

Manual Integrations
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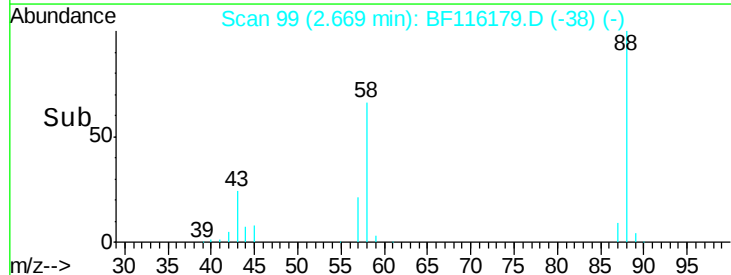
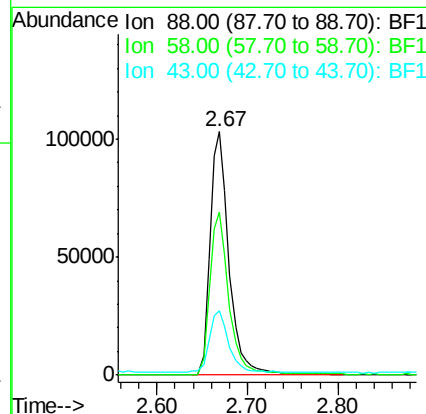
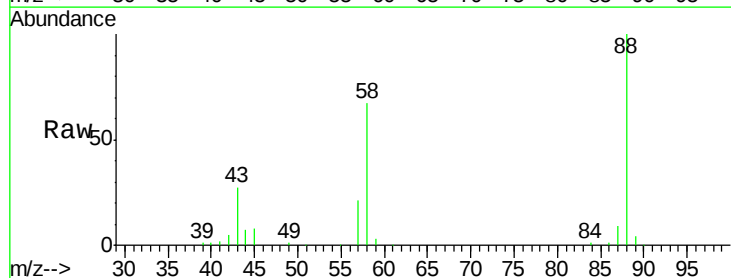
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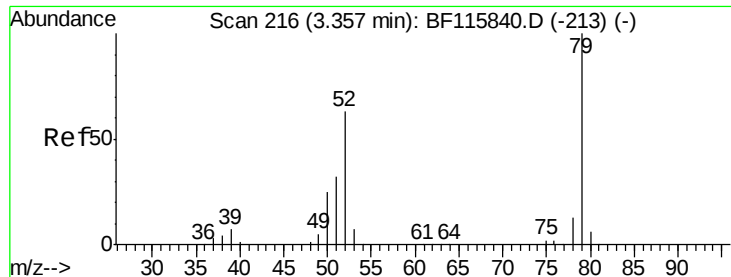


#2

1,4-Dioxane
Concen: 33.653 ng
RT: 2.67 min Scan# 99
Delta R.T. 0.06 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.6	53.7	80.5
43	25.4	21.0	31.4





#3

Pvridine

Concen: 31.846 ng

RT: 3.42 min Scan# 226

Delta R.T. 0.05 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

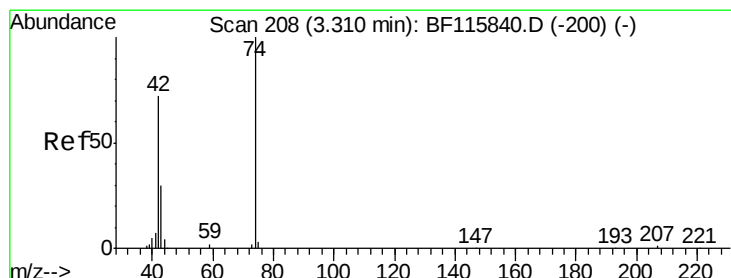
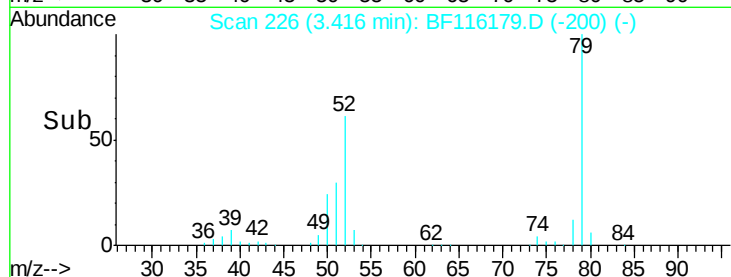
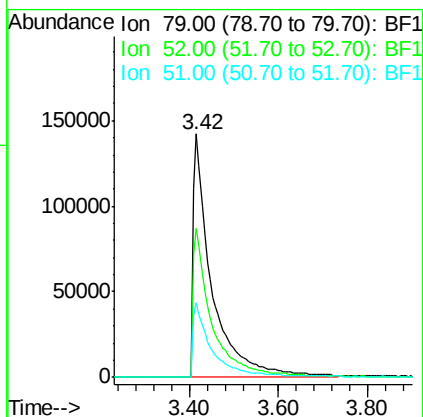
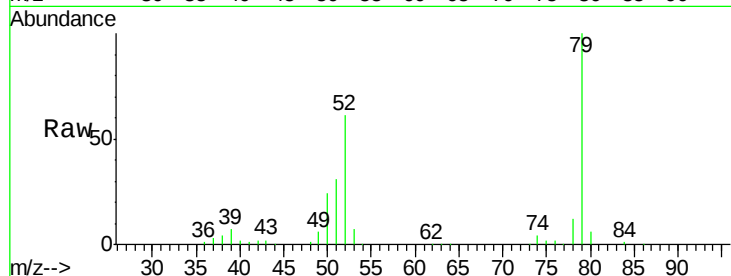
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

Tot Ion:	79	Resp:	401261
Ion Ratio	Lower	Upper	
79	100		
52	61.3	49.8	74.8
51	30.6	25.2	37.8

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 34.341 ng

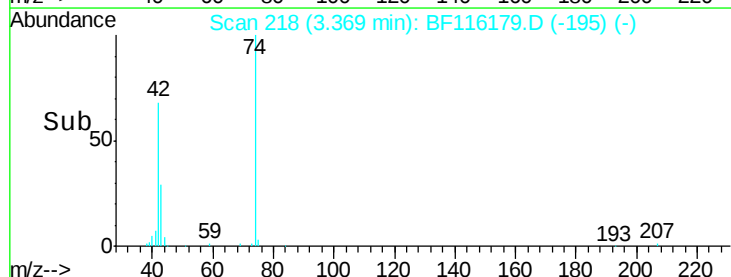
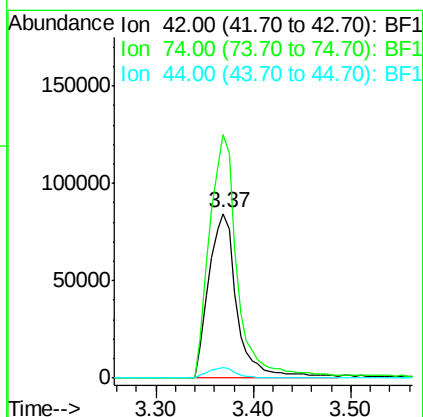
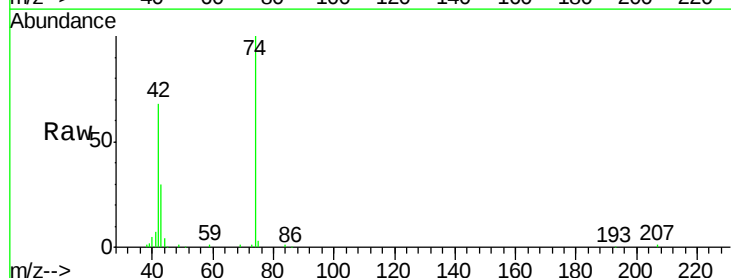
RT: 3.37 min Scan# 218

Delta R.T. 0.04 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion:	42	Resp:	170757
Ion Ratio	Lower	Upper	
42	100		
74	147.7	116.0	174.0
44	6.5	4.6	7.0





#5

2-Fluorophenol

Concen: 80.343 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.00 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

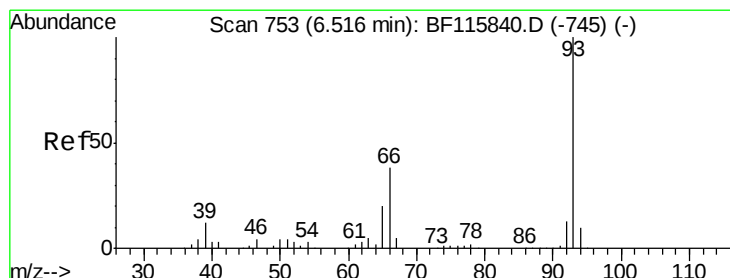
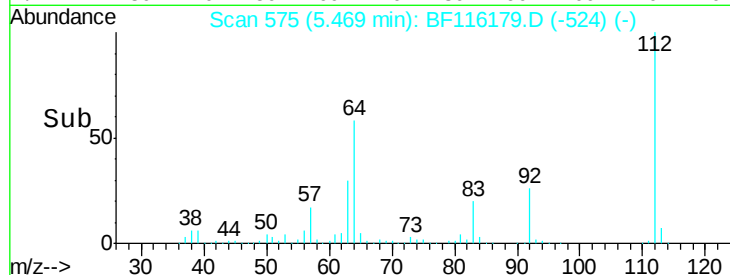
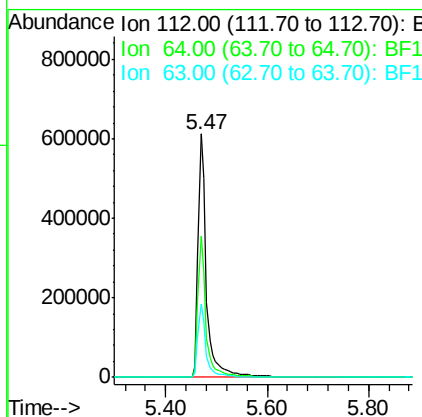
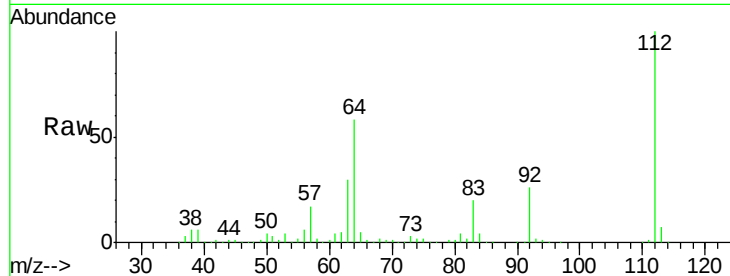
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		717345		
64	57.9	45.4	68.2		
63	30.1	23.7	35.5		

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#6

Aniline

Concen: 27.577 ng

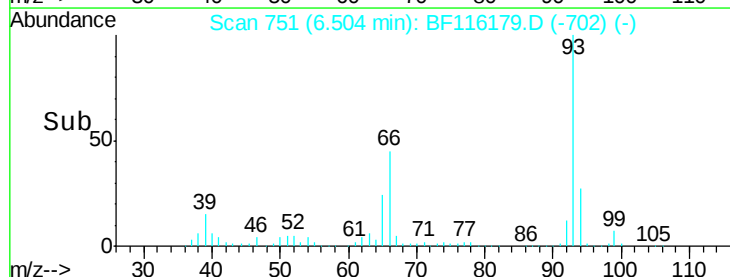
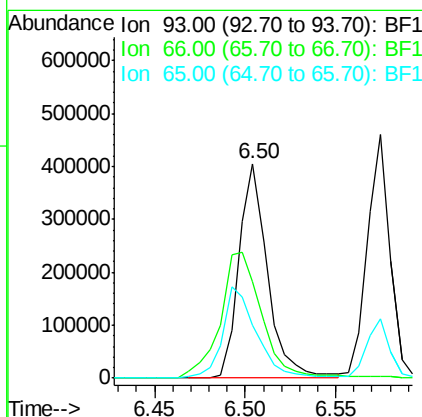
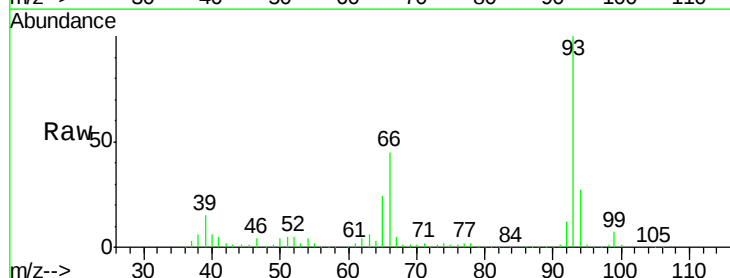
RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		444899		
66	44.7	32.2	48.4		
65	24.5	17.0	25.6		





#7

Phenol-d6

Concen: 79.976 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

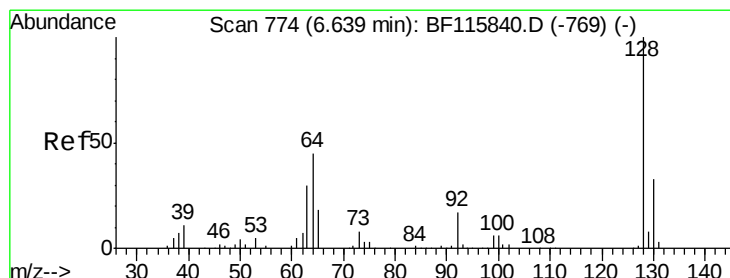
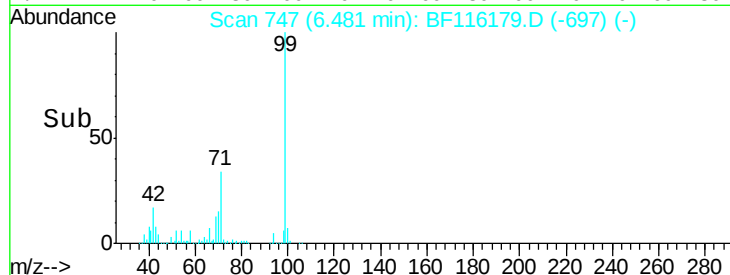
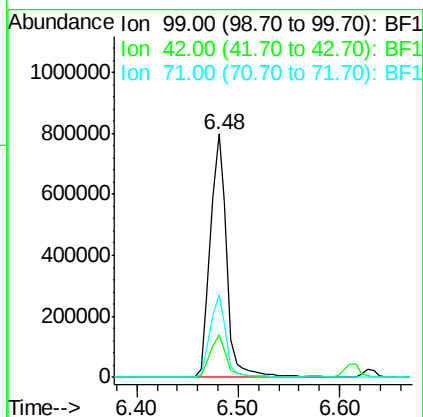
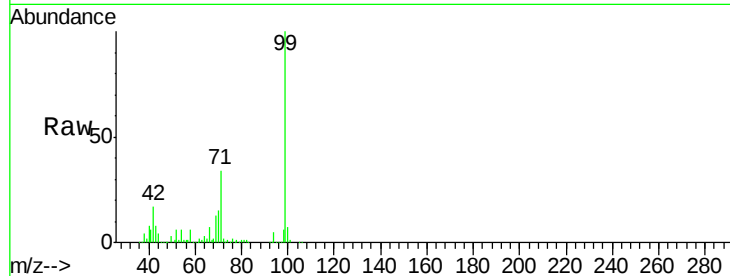
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

Tot Ion:	99	Resp:	900931
Ion Ratio	Lower	Upper	
99	100		
42	17.3	13.8	20.8
71	33.7	27.3	40.9

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#8

2-Chlorophenol

Concen: 41.061 ng

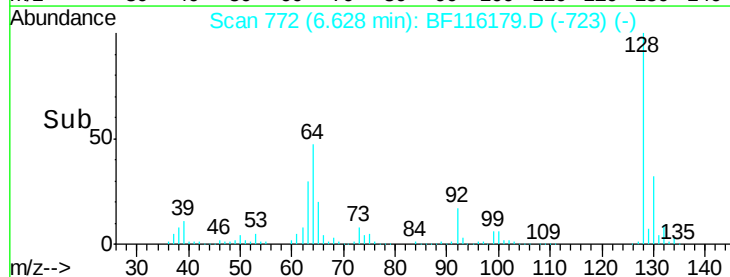
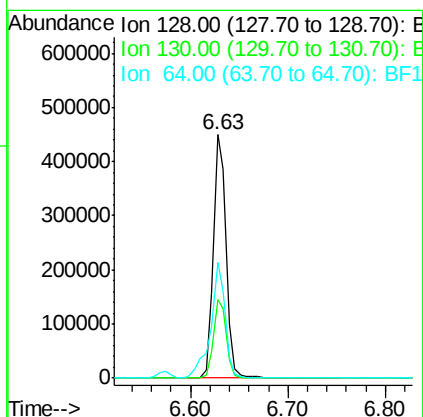
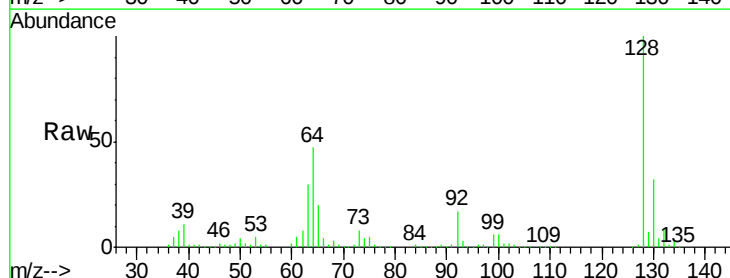
RT: 6.63 min Scan# 772

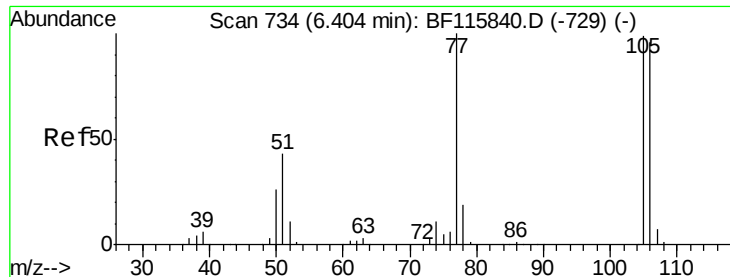
Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion:	128	Resp:	405404
Ion Ratio	Lower	Upper	
128	100		
130	32.4	12.9	52.9
64	47.4	24.3	64.3





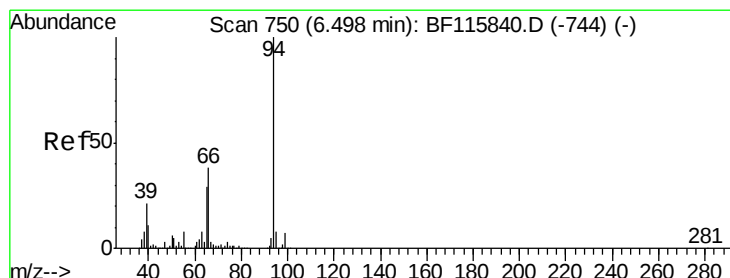
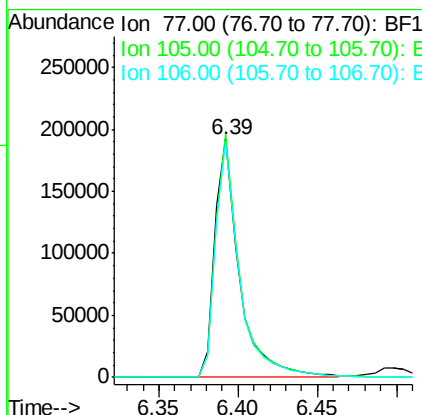
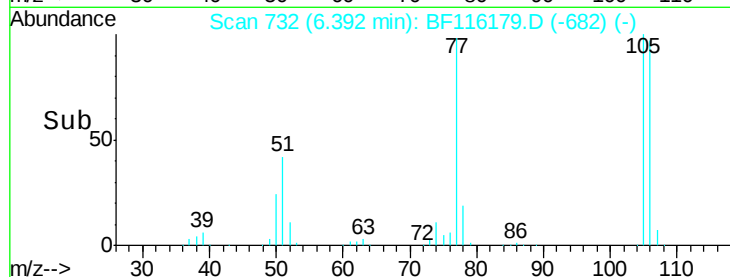
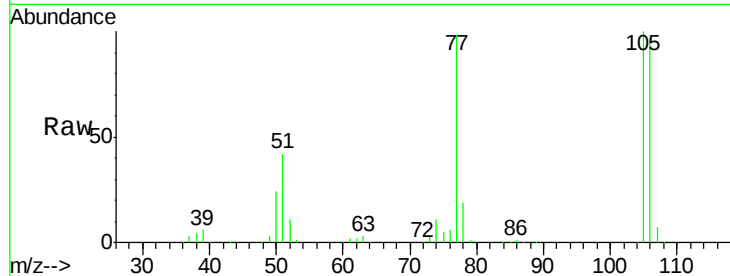
#9
Benzaldehyde
Concen: 26.755 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	102.2	79.2	119.2
106	99.2	74.3	114.3

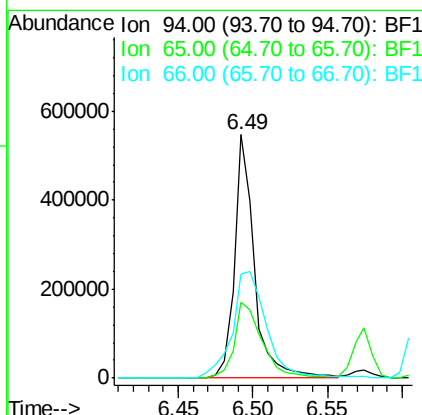
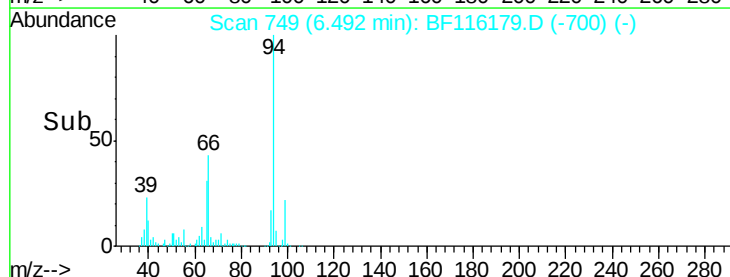
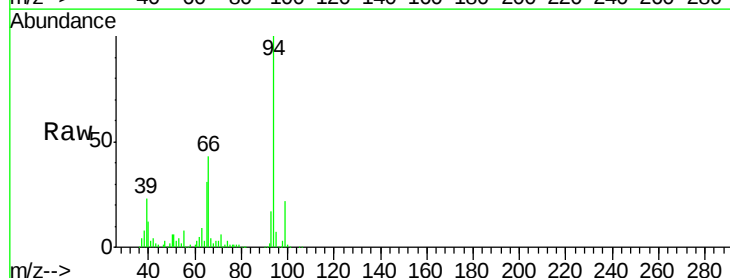
Manual Integrations
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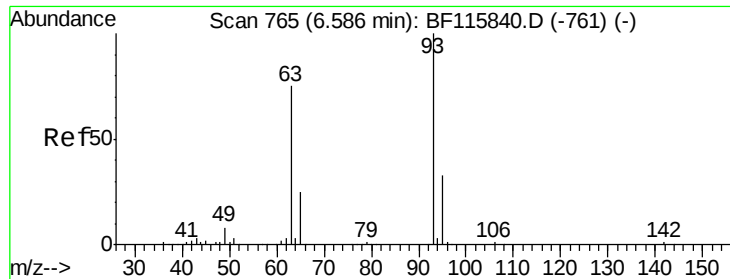
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#10
Phenol
Concen: 38.662 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
94	100		
65	31.3	16.8	56.8
66	42.7	34.2	74.2





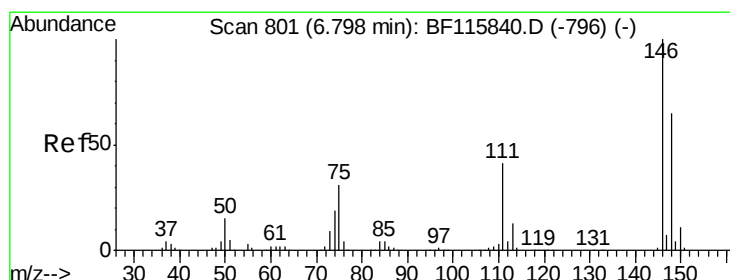
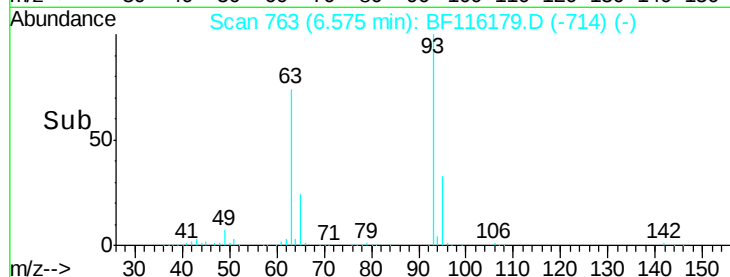
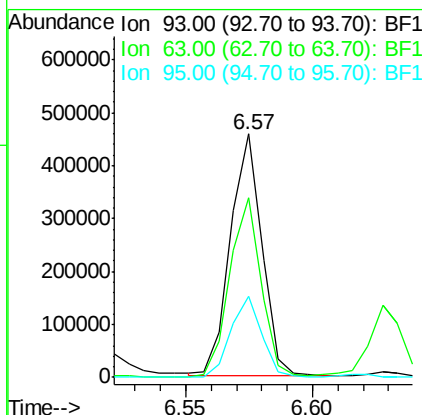
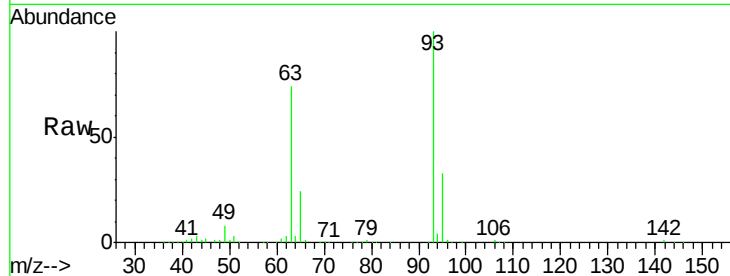
#11
bis(2-Chloroethyl)ether
Concen: 40.453 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	73.6	51.9	91.9	
95	33.1	13.0	53.0	

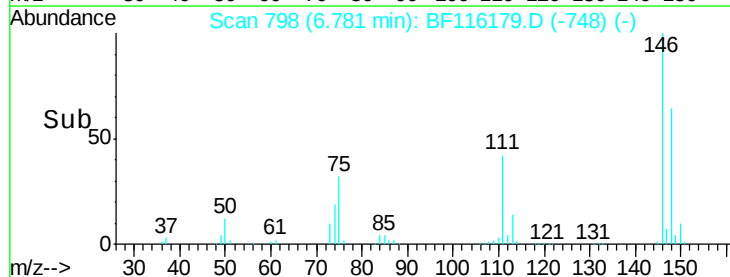
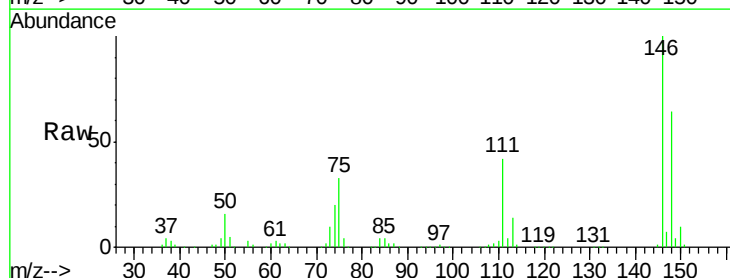
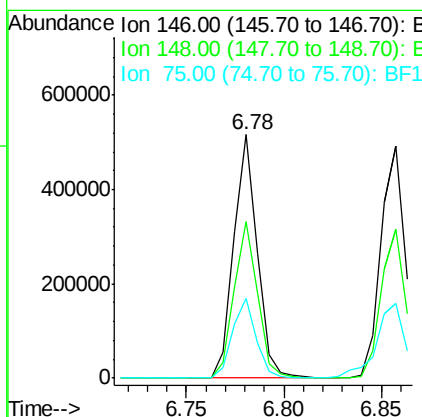
Manual Integrations
APPROVED

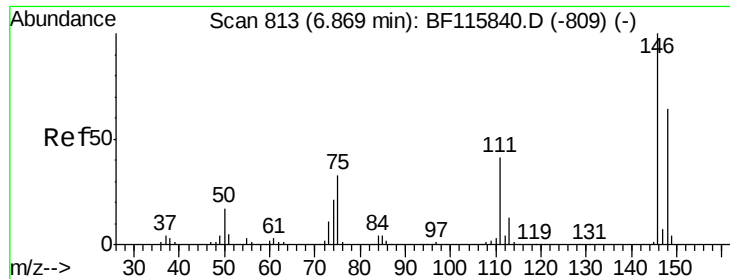
mohammad
8/14/2019 2:55:25 AM



#12
1,3-Dichlorobenzene
Concen: 37.710 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.2	51.3	76.9	
75	32.6	27.4	41.2	





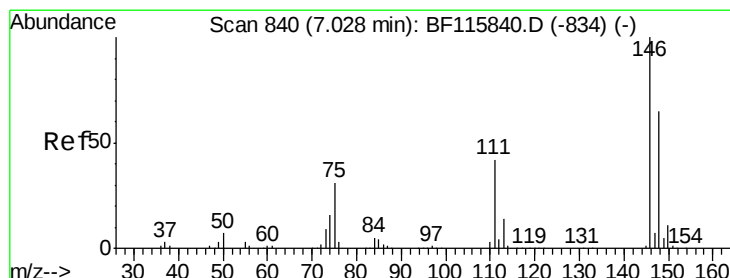
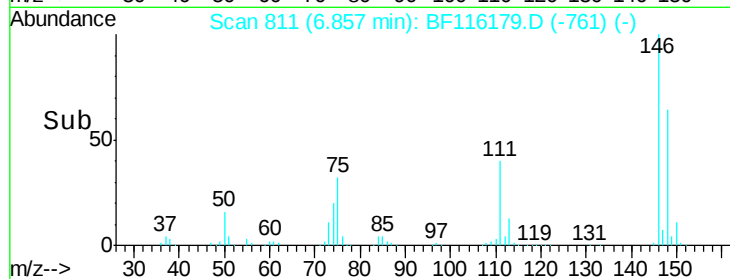
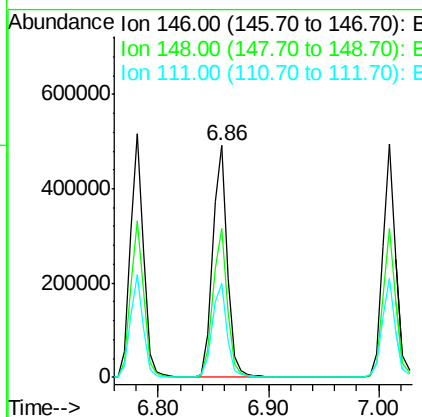
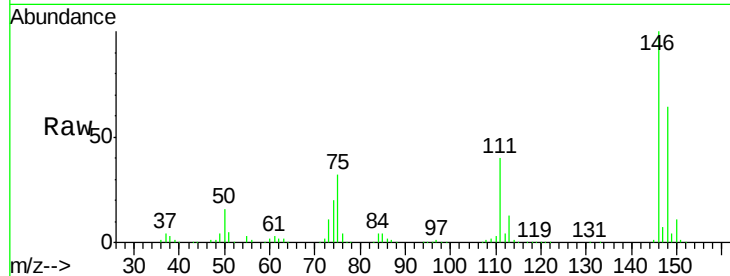
#13
 1,4-Dichlorobenzene
 Concen: 38.683 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.3	76.9
111	40.3	34.0	51.0

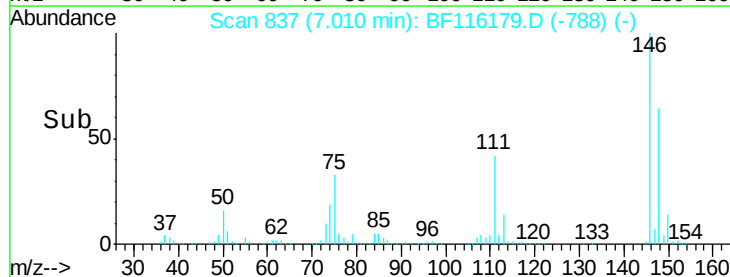
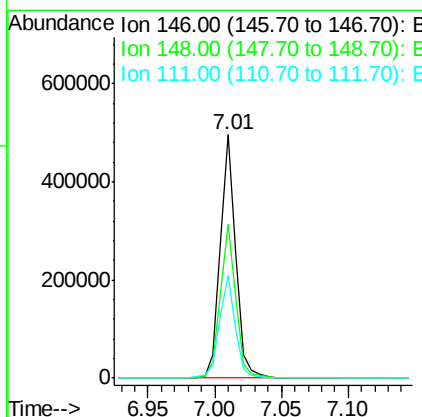
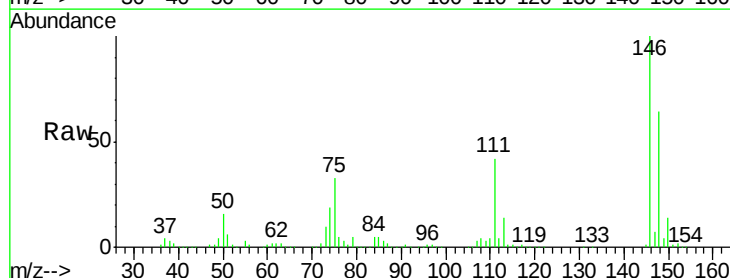
Manual Integrations
 APPROVED

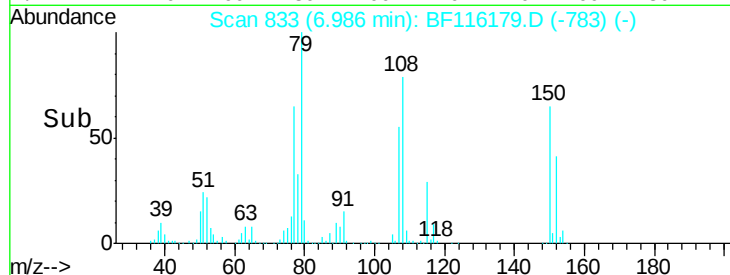
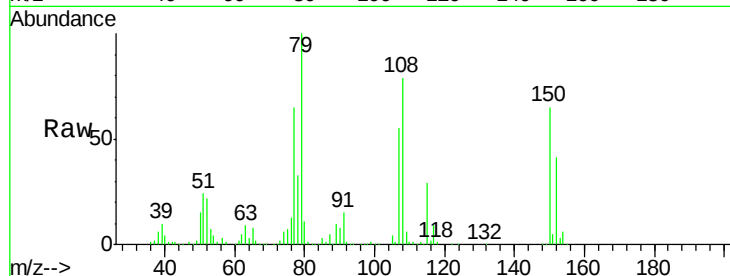
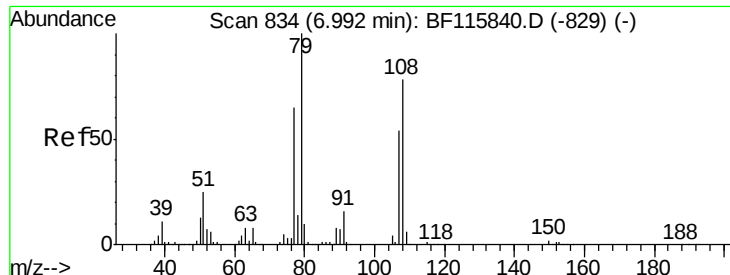
mohammad
 8/14/2019 2:55:25 AM



#14
 1,2-Dichlorobenzene
 Concen: 38.780 ng
 RT: 7.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.2	76.8
111	42.2	33.5	50.3





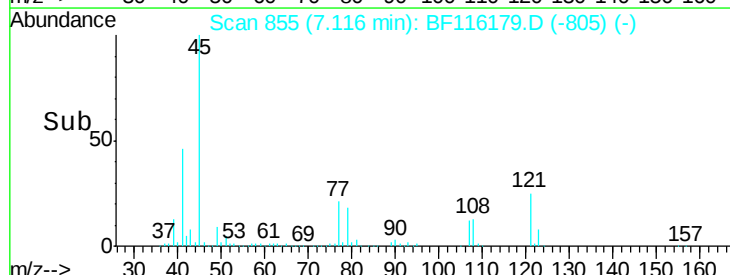
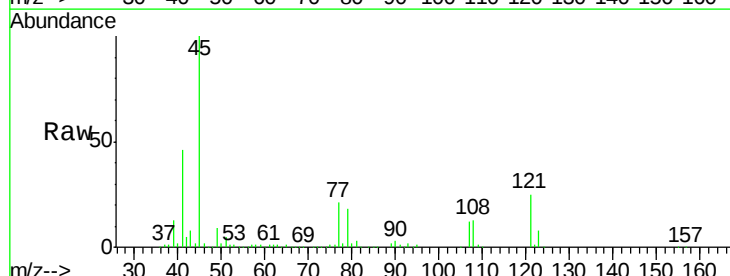
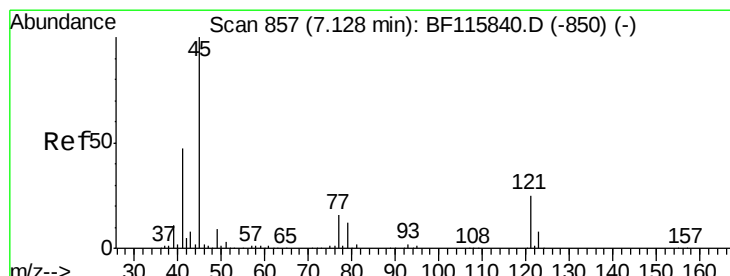
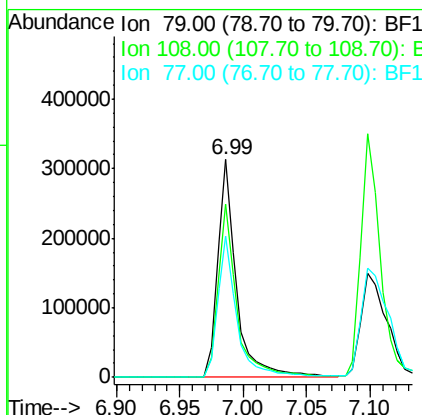
#15
Benzyl Alcohol
Concen: 38.526 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tot Ion	Ratio	Resp	Lower	Upper
79	100			
108	79.5	62.7	94.1	
77	64.7	52.2	78.2	

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

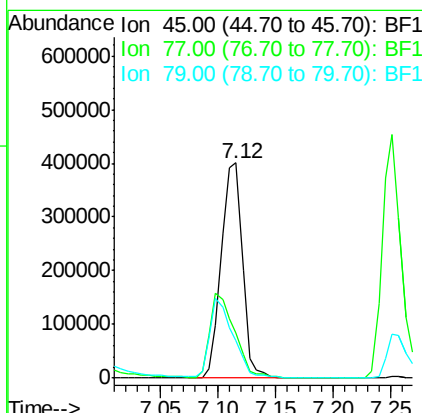
Manual Integrations
APPROVED

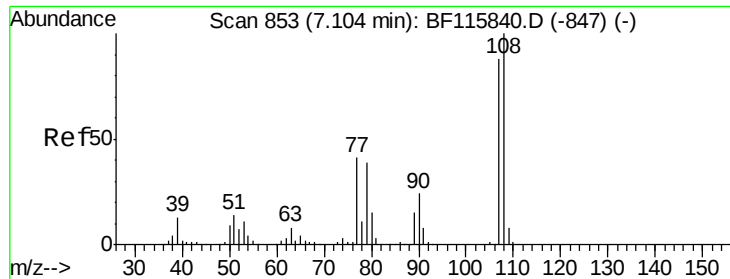
mohammad
8/14/2019 2:55:25 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.568 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
45	100			
77	21.3	0.0	40.0	
79	17.6	0.0	35.9	





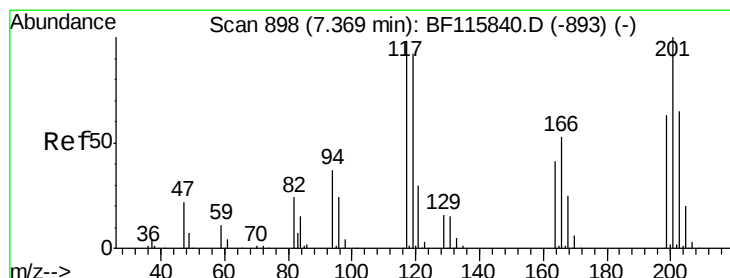
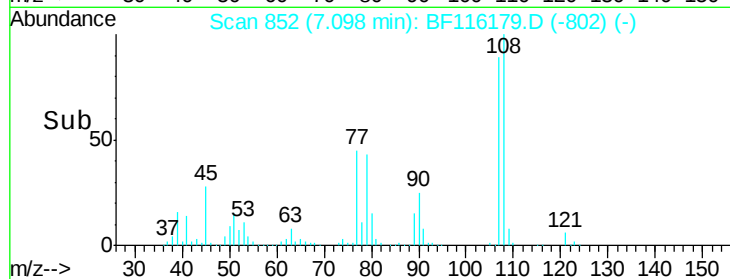
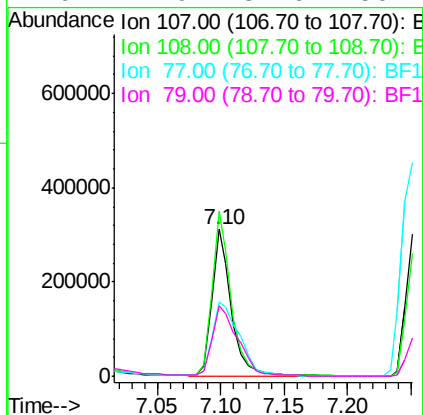
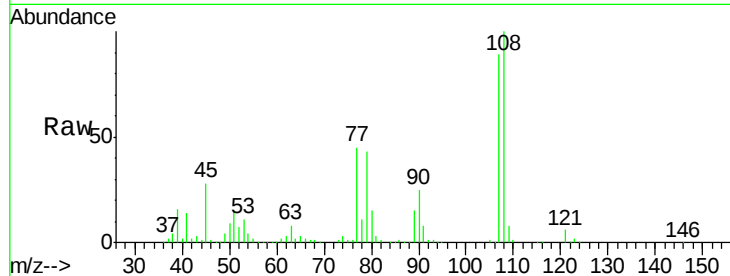
#17
2-Methylphenol
Concen: 39.684 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	107	Resp	331761
Ion Ratio	Lower	Upper	
107	100		
108	112.3	91.2	136.8
77	50.6	40.3	60.5
79	47.9	37.6	56.4

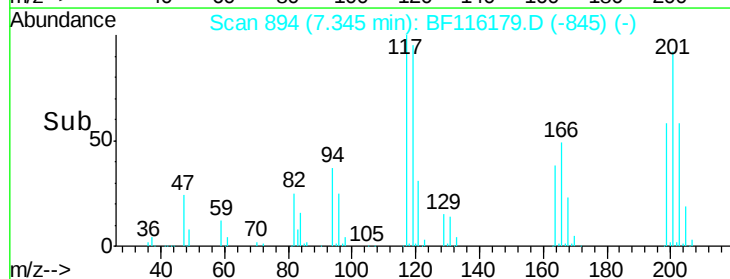
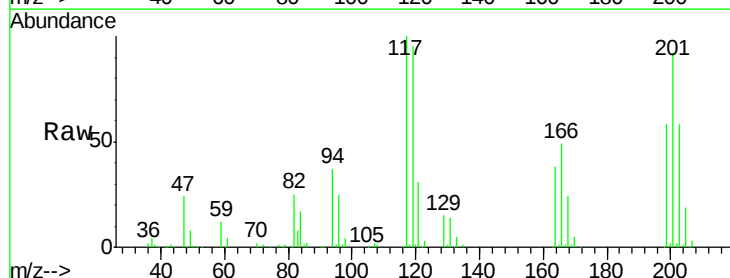
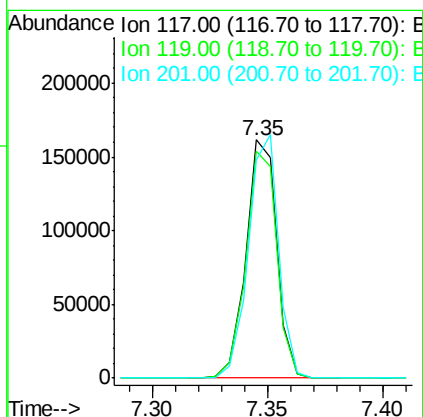
Manual Integrations
APPROVED

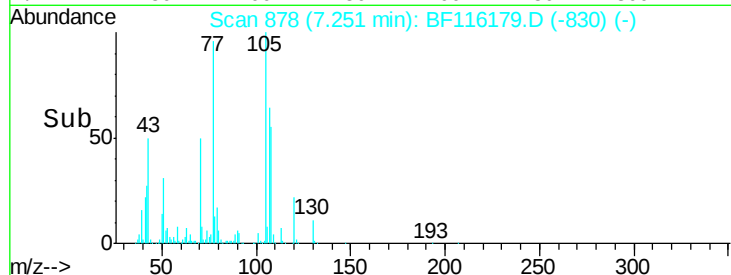
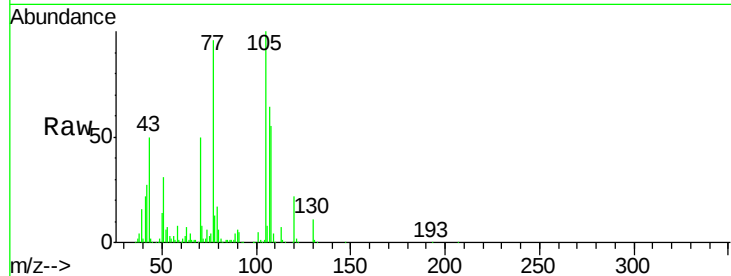
mohammad
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#18
Hexachloroethane
Concen: 35.833 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	117	Resp	150729
Ion Ratio	Lower	Upper	
117	100		
119	95.1	76.1	114.1
201	91.8	77.0	115.4





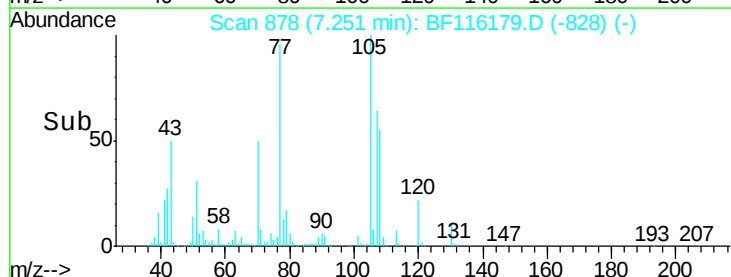
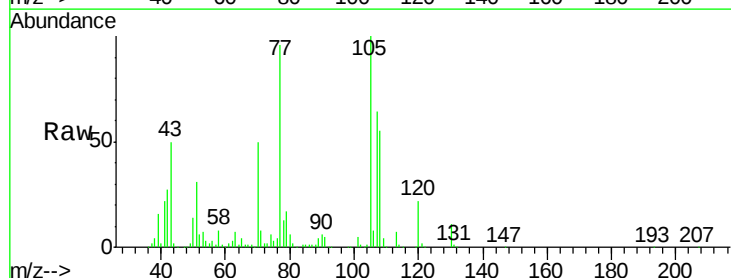
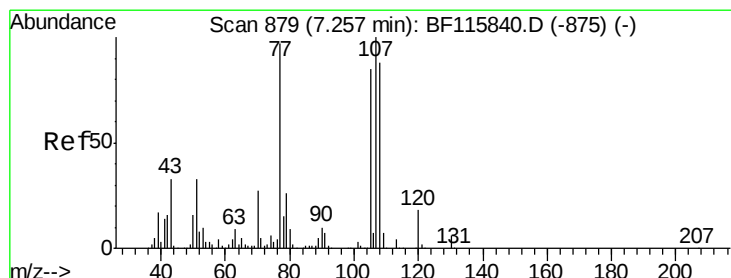
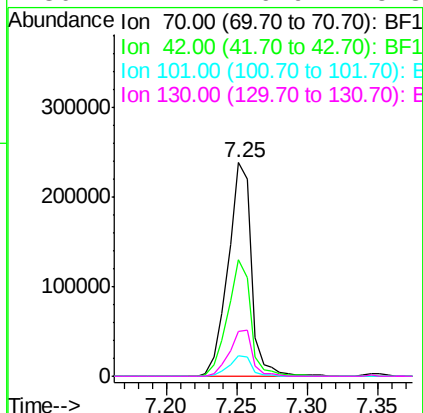
#19
n-Nitroso-di-n-propylamine
Concen: 39.320 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Manual Integrations
APPROVED

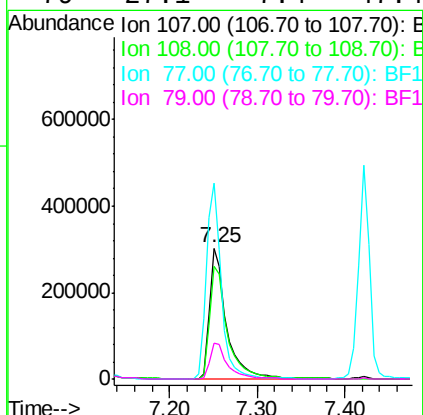
mohammad
8/14/2019 2:55:25 AM

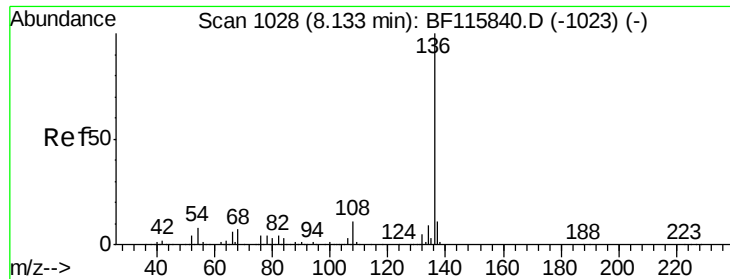
Tot Ion	Ratio	Lower	Upper
70	100		
42	54.5	40.9	61.3
101	9.7	7.9	11.9
130	21.2	16.9	25.3



#20
3+4-Methylphenols
Concen: 40.901 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.9	67.6	107.6
77	149.9	104.4	144.4
79	27.1	7.4	47.4





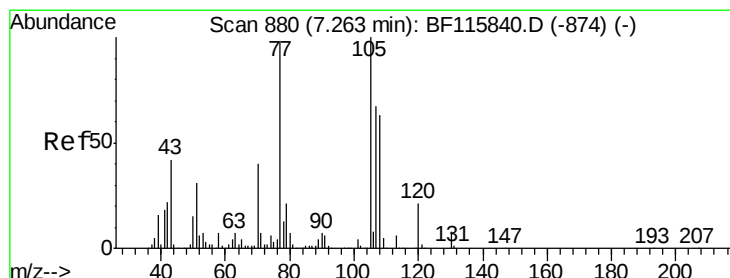
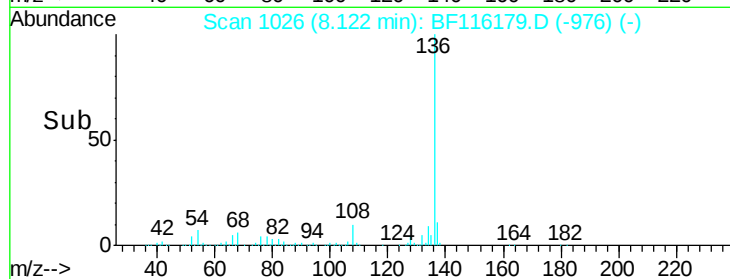
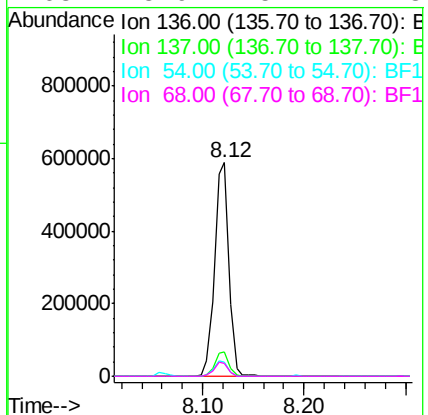
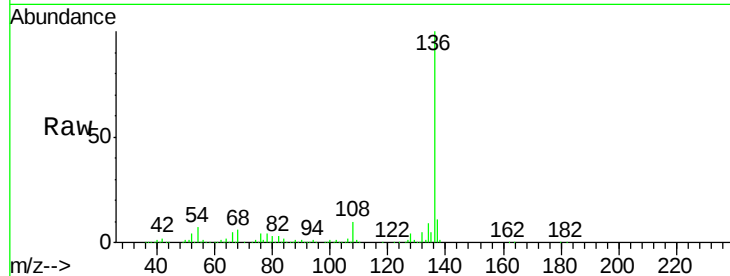
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	577055		
137	11.1		9.0	13.4
54	6.8		5.8	8.6
68	5.9		5.2	7.8

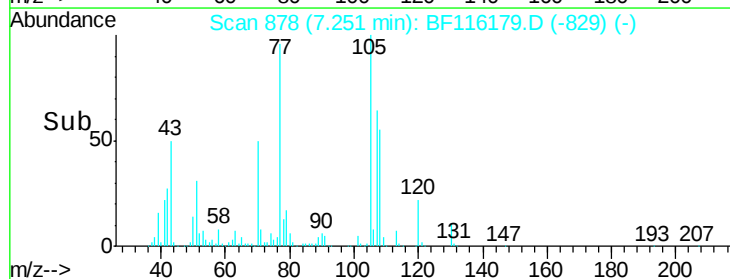
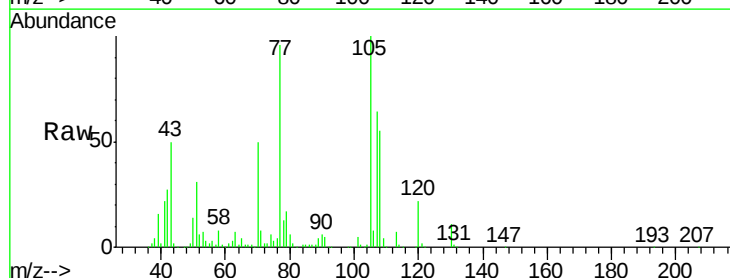
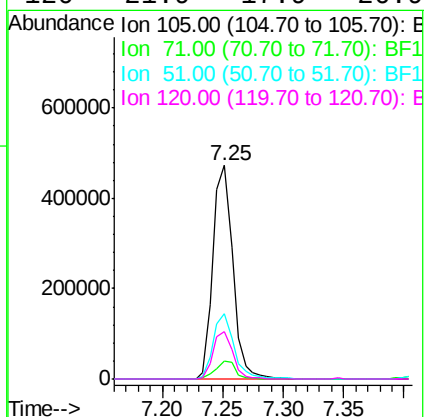
Manual Integrations
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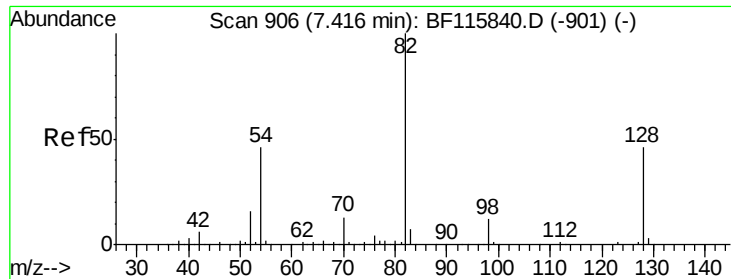
mohammad
8/14/2019 2:55:25 AM



#22
Acetophenone
Concen: 42.368 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	536191		
71	8.5		5.9	8.9
51	30.8		25.3	37.9
120	21.9		17.9	26.9





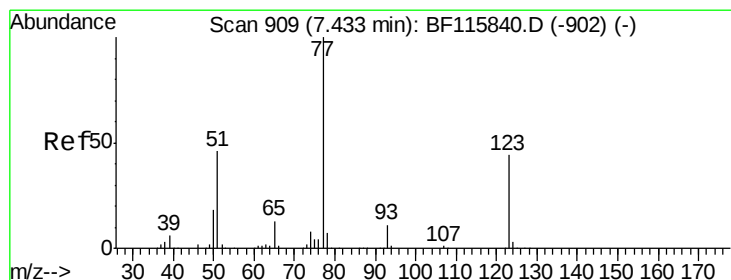
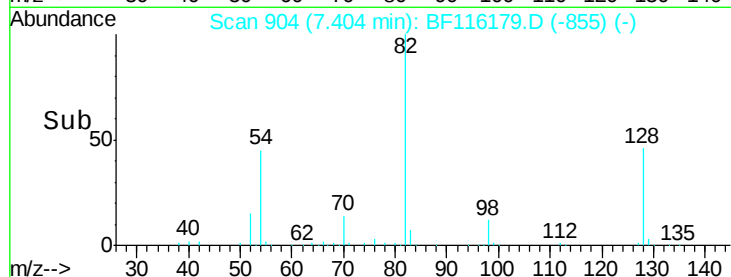
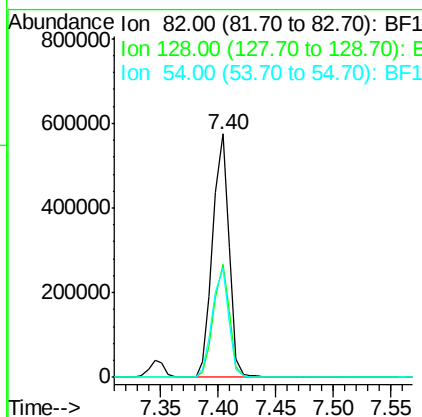
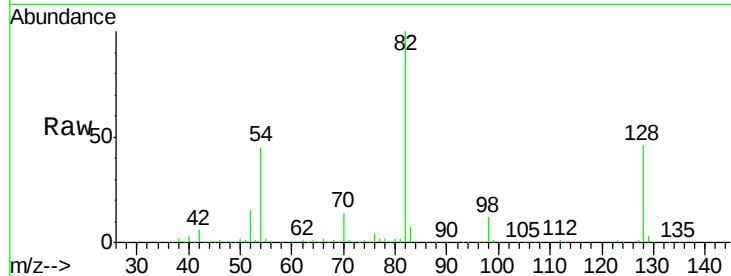
#23
Nitrobenzene-d5
Concen: 57.237 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	572198		
128	46.2		36.5	54.7
54	44.8		36.0	54.0

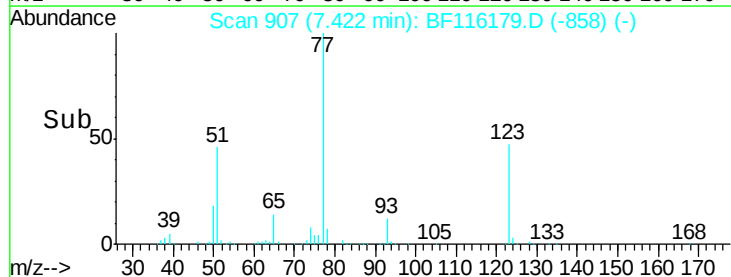
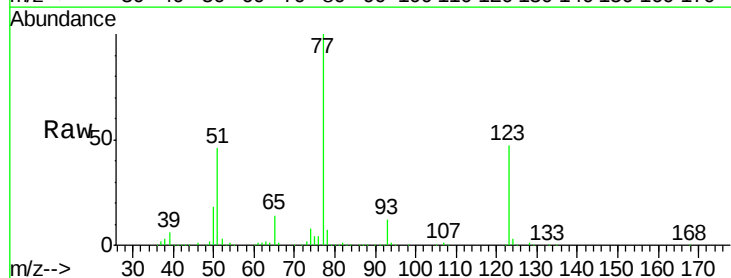
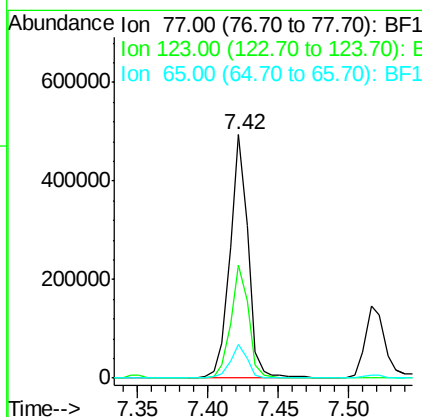
Manual Integrations
APPROVED

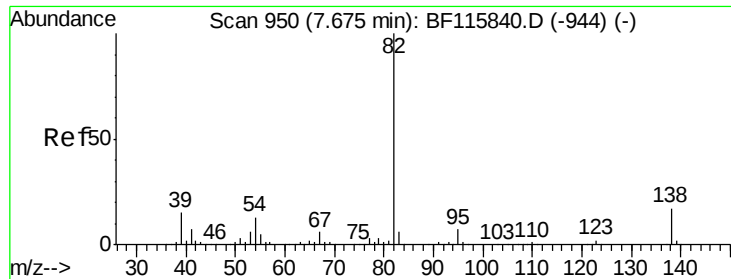
mohammad
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#24
Nitrobenzene
Concen: 40.579 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	438022		
123	46.5		36.7	55.1
65	13.6		10.6	16.0





#25

Isophorone

Concen: 41.944 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tot Ion:	82	Resp:	801783
Ion Ratio		Lower	Upper
82	100		
95	6.6	5.4	8.0
138	17.9	14.5	21.7

Instrument :

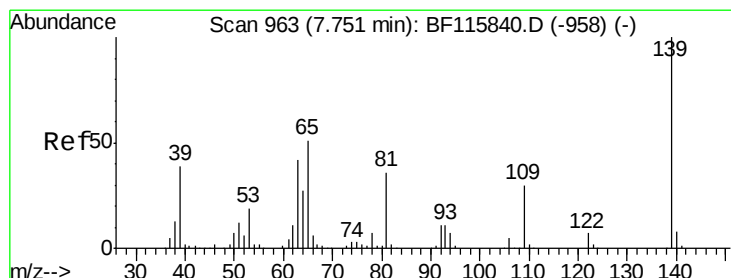
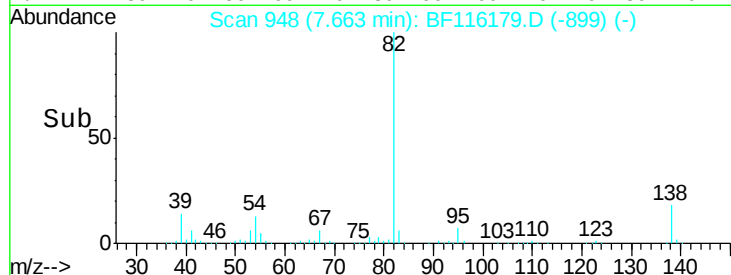
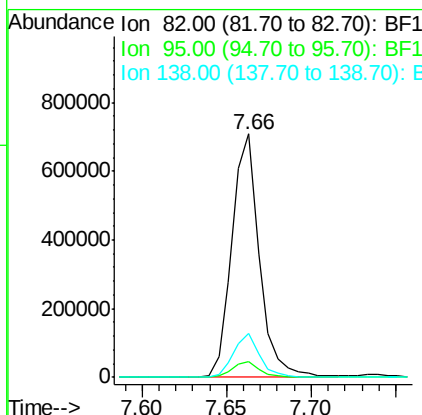
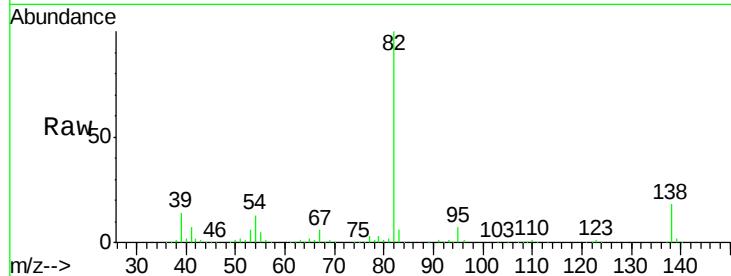
BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

Manual Integrations
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mohammad
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#26

2-Nitrophenol

Concen: 40.678 ng

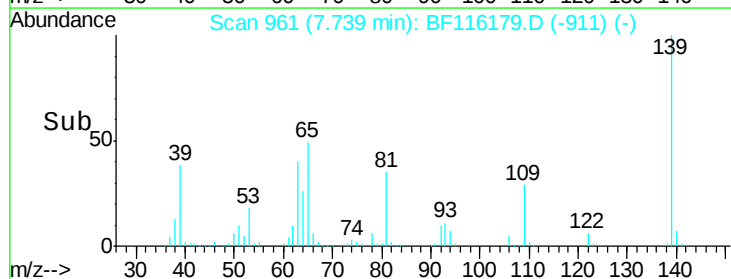
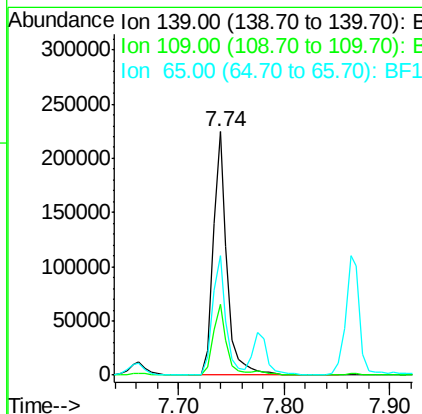
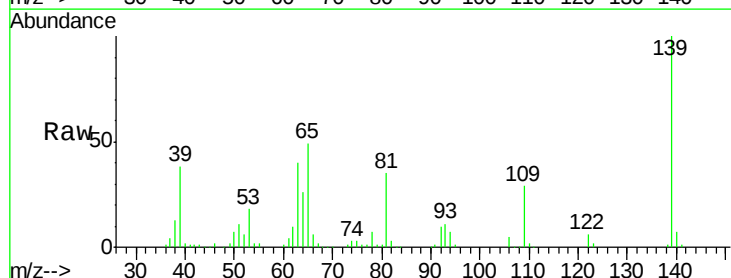
RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion:	139	Resp:	206979
Ion Ratio		Lower	Upper
139	100		
109	29.2	23.4	35.2
65	49.1	41.1	61.7





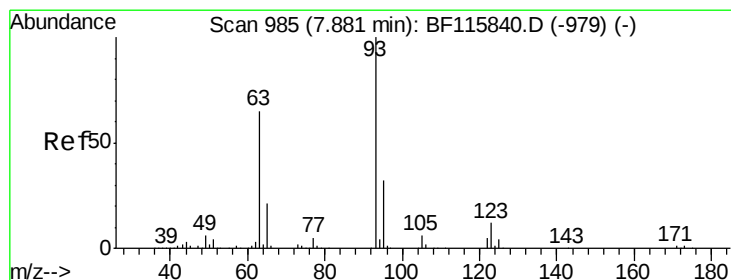
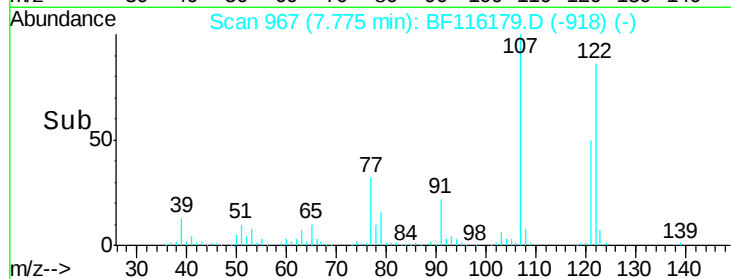
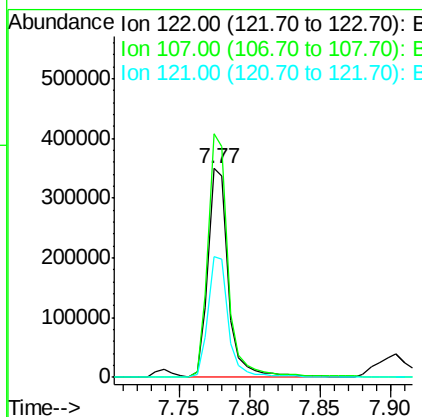
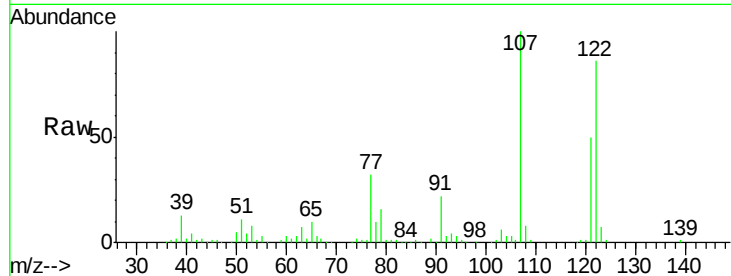
#27
2,4-Dimethylphenol
Concen: 45.523 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampled :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		348487		
107	116.8	93.0		139.6	
121	58.2	47.6		71.4	

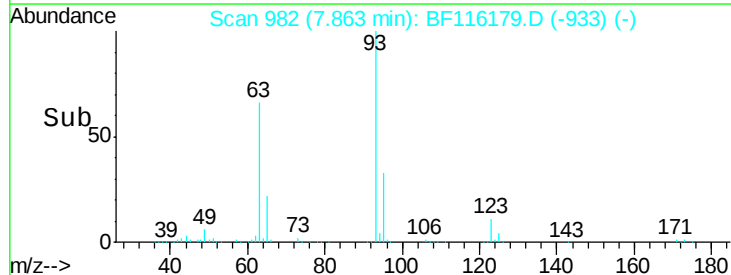
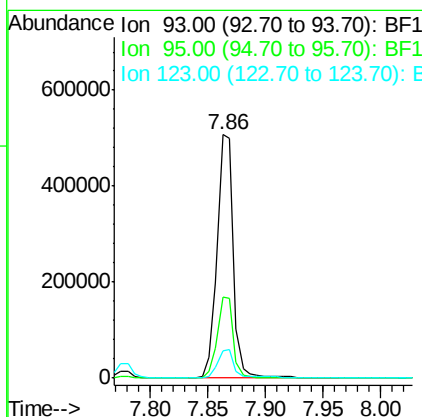
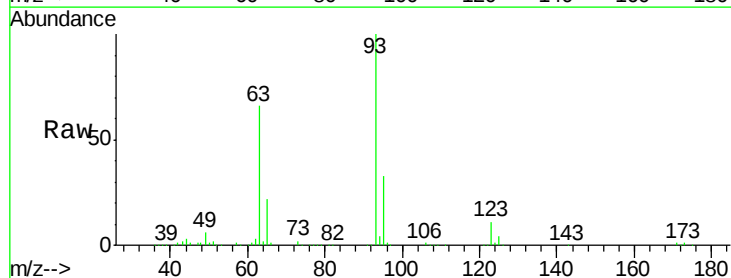
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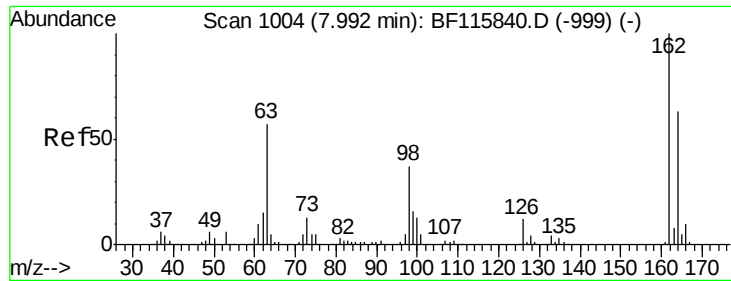
mohammad
8/14/2019 2:55:25 AM



#28
bis(2-Chloroethoxy)methane
Concen: 42.128 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		499145		
95	33.1	26.2		39.4	
123	11.3	9.2		13.8	





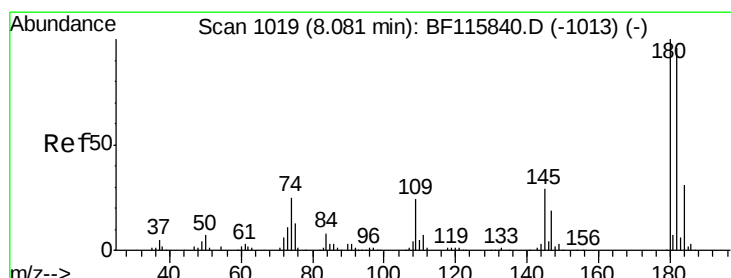
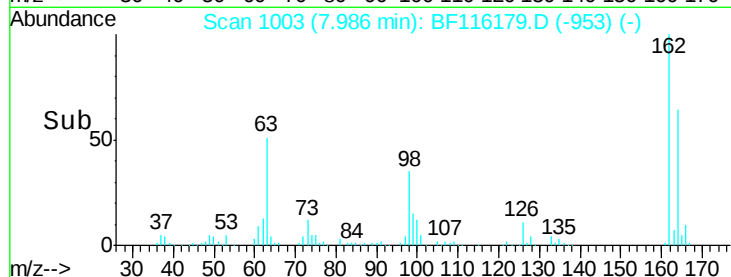
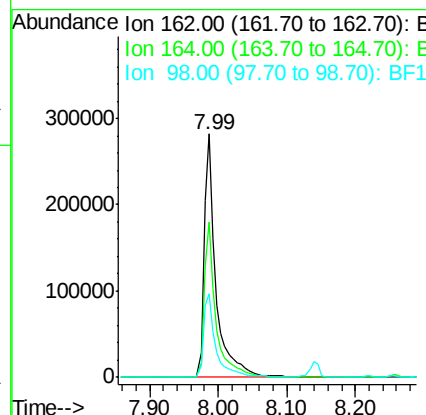
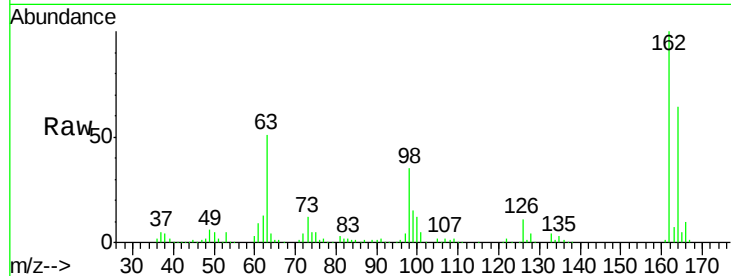
#29
2,4-Dichlorophenol
Concen: 42.388 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	63.5	45.1	85.1
98	34.5	15.8	55.8

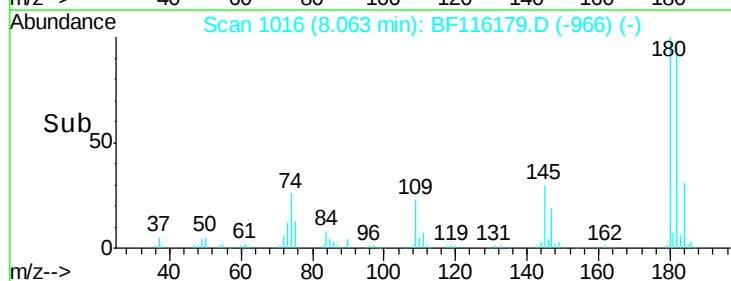
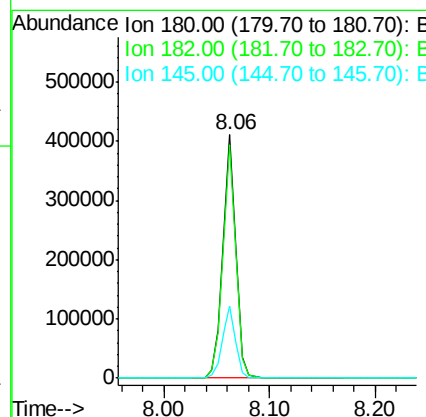
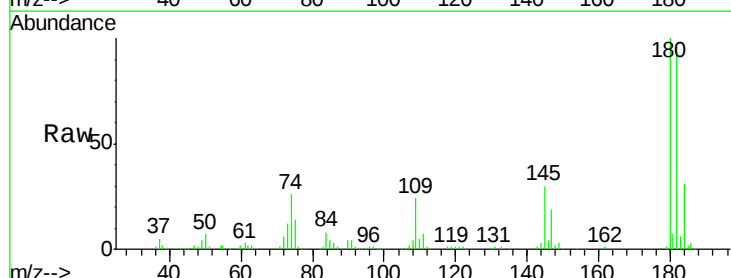
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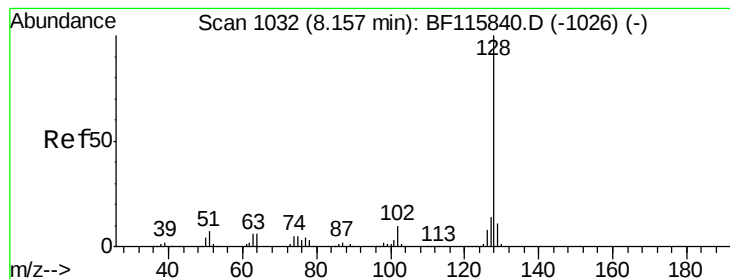
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 39.834 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.9	75.7	113.5
145	29.6	24.3	36.5





#31

Naphthalene

Concen: 40.917 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

ClientSampleId :

CP-MW2-N-12-16-SOILMSD

Tot Ion:128 Resp: 1111096

Ion Ratio Lower Upper

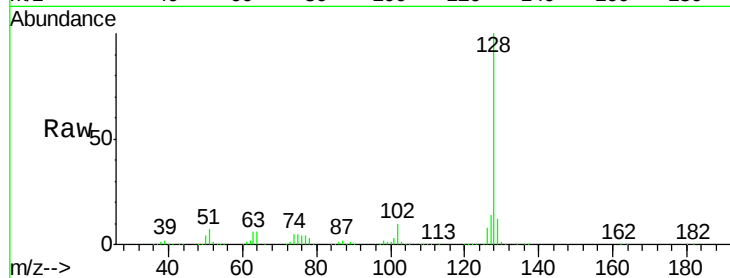
128 100

129 11.7 9.3 13.9

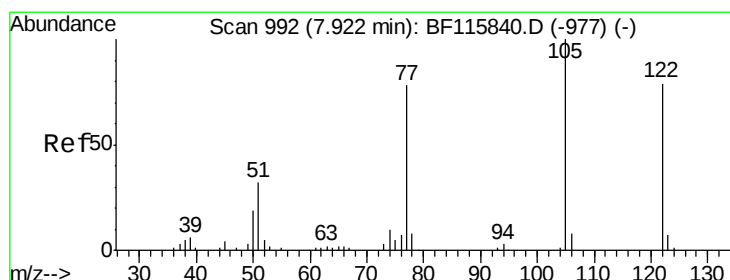
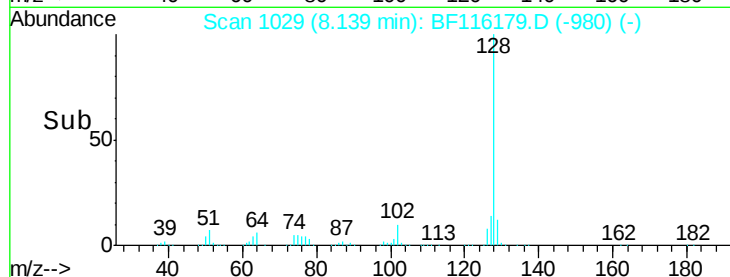
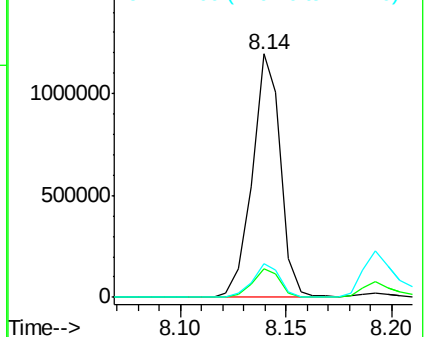
127 13.7 11.4 17.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 15.234 ng m

RT: 7.90 min Scan# 989

Delta R.T. -0.04 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

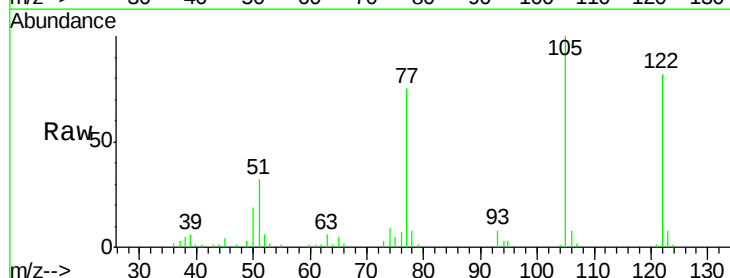
Tgt Ion:122 Resp: 82219

Ion Ratio Lower Upper

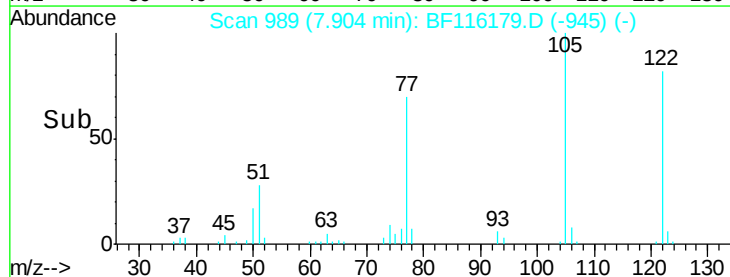
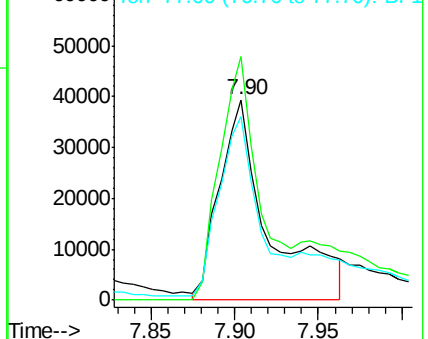
122 100

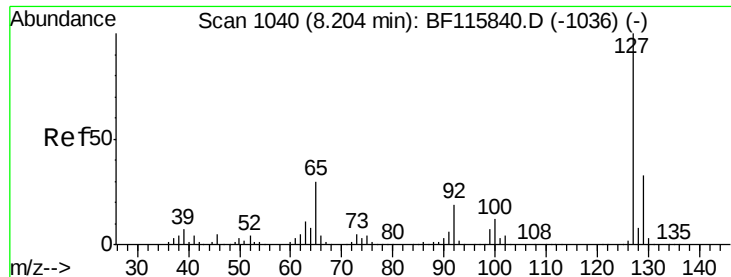
105 121.5 106.1 146.1

77 91.7 76.7 116.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





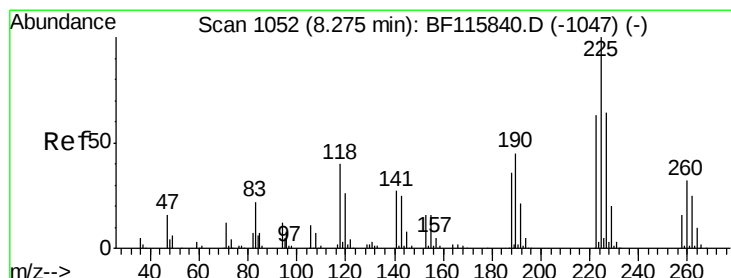
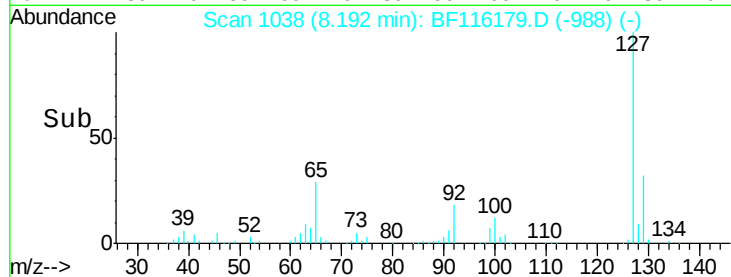
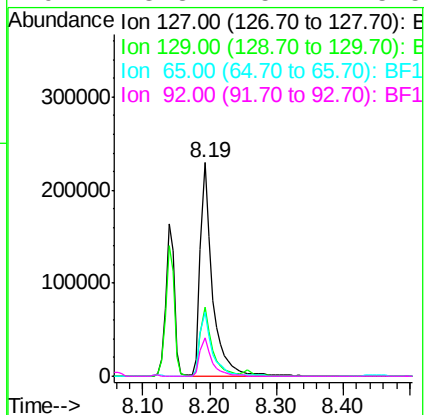
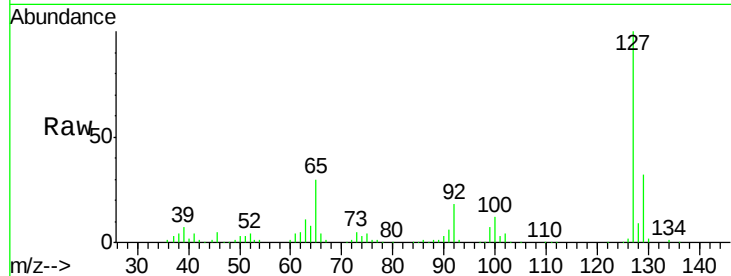
#33
4-Chloroaniline
Concen: 23.197 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		281454		
129	32.4	26.1	39.1		
65	30.2	24.9	37.3		
92	18.3	15.7	23.5		

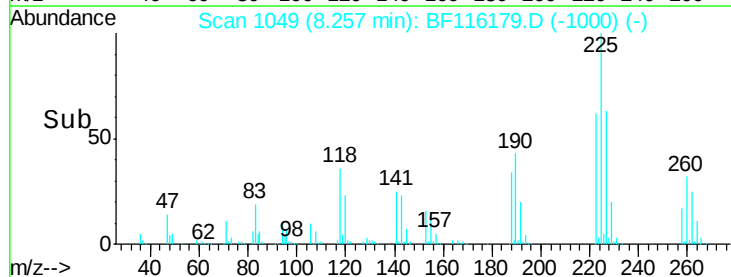
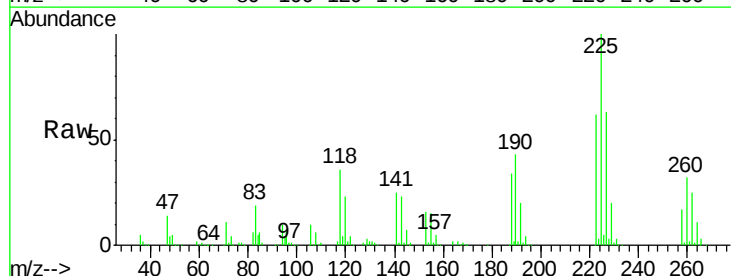
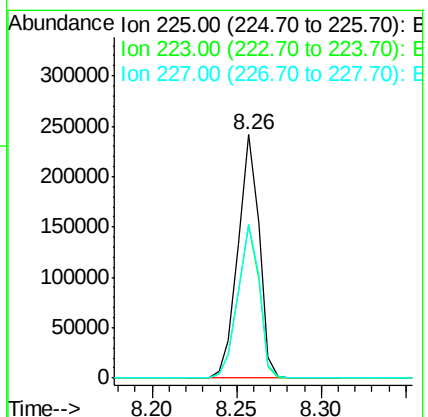
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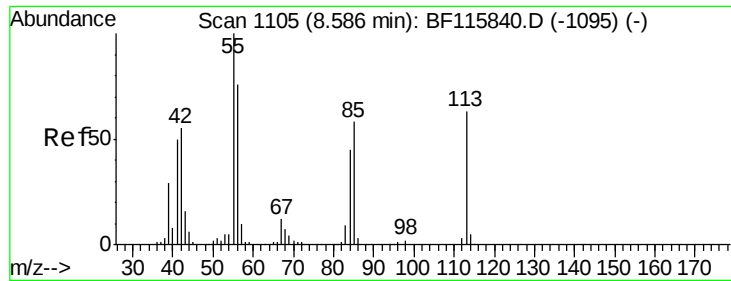
mohammad
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#34
Hexachlorobutadiene
Concen: 39.794 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		211190		
223	62.5	50.0	75.0		
227	63.0	51.0	76.4		





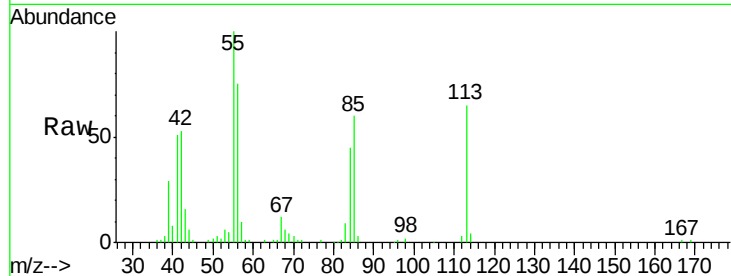
#35
Caprolactam
Concen: 36.430 ng/ml
RT: 8.57 min Scan# 1102
Delta R.T. -0.02 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

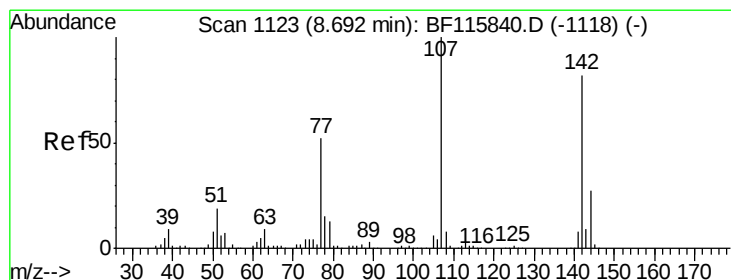
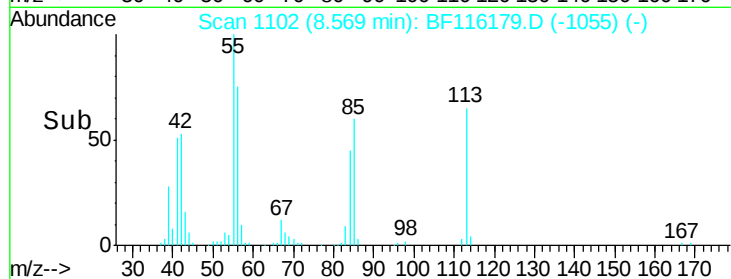
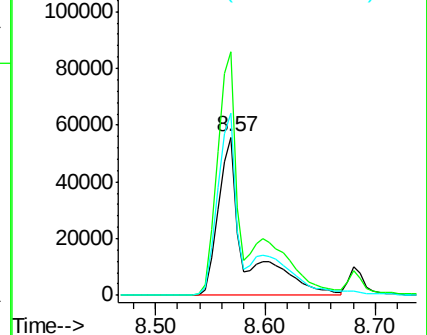
Tot Ion	Ratio	Lower	Upper
113	100		
55	154.1	144.3	184.3
56	115.4	97.1	137.1

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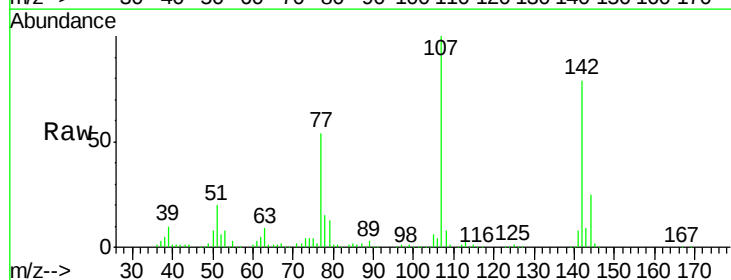


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

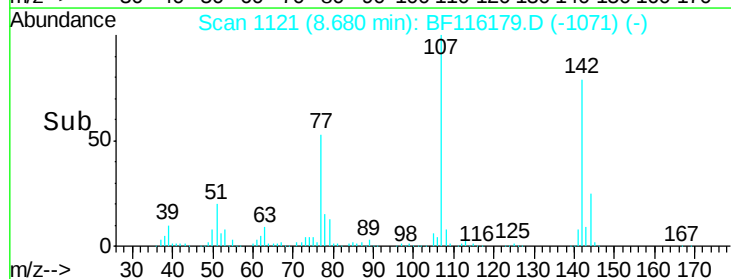
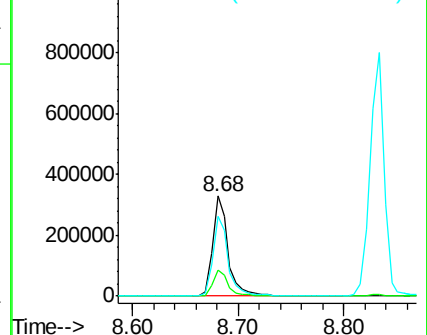


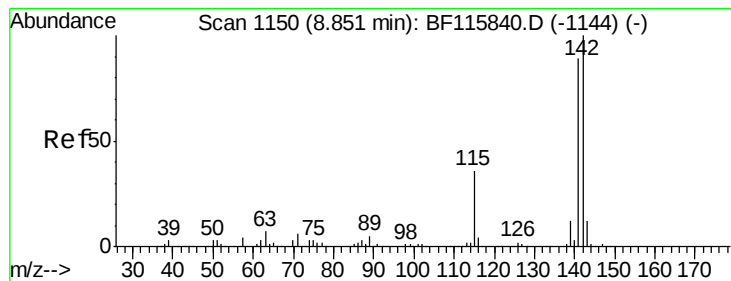
#36
4-Chloro-3-methylphenol
Concen: 40.233 ng
RT: 8.68 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.2	30.2
142	79.4	61.7	92.5



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





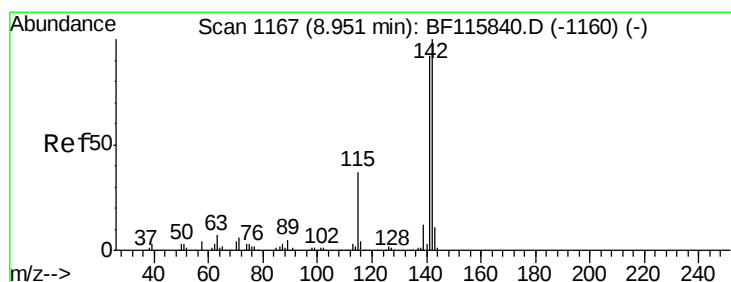
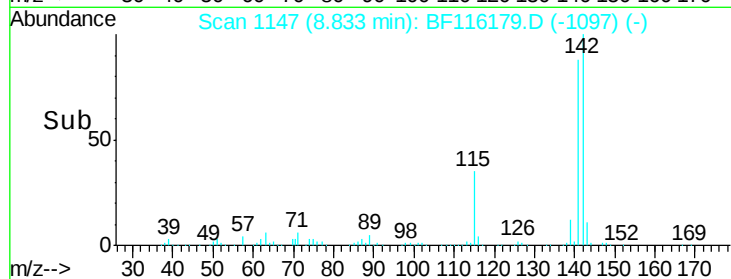
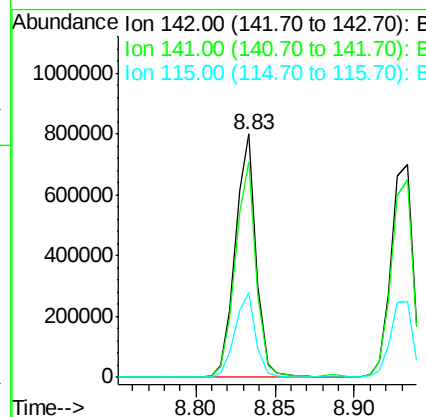
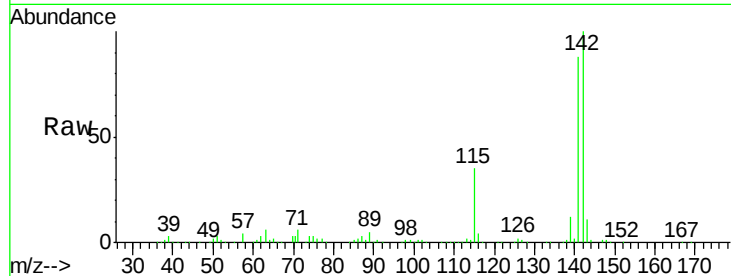
#37
2-Methylnaphthalene
Concen: 40.806 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.9	106.3
115	34.7	29.0	43.6

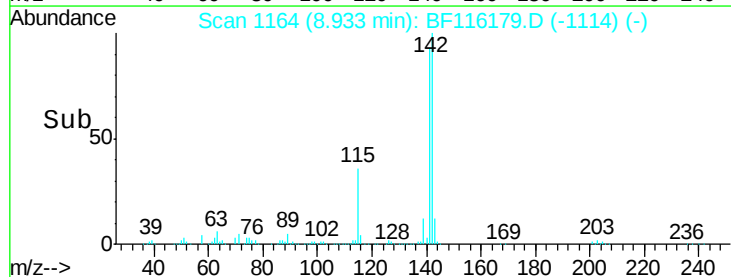
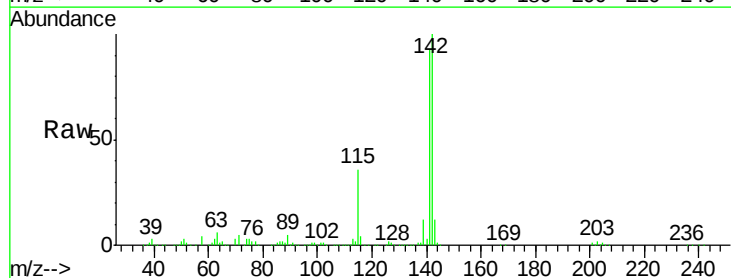
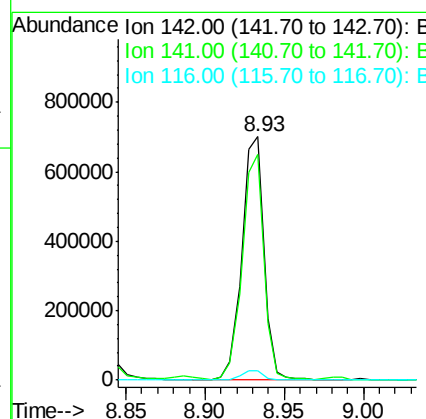
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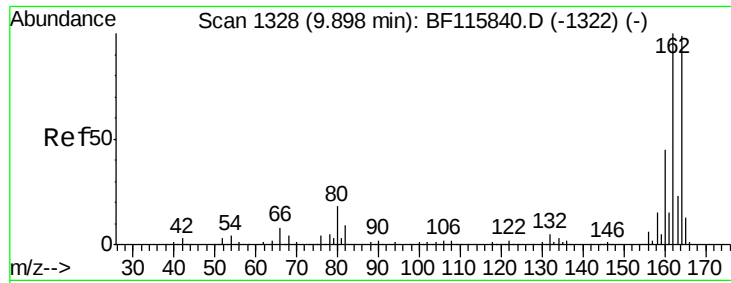
mohammad
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#38
1-Methylnaphthalene
Concen: 39.717 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	74.4	111.6
116	3.7	3.1	4.7





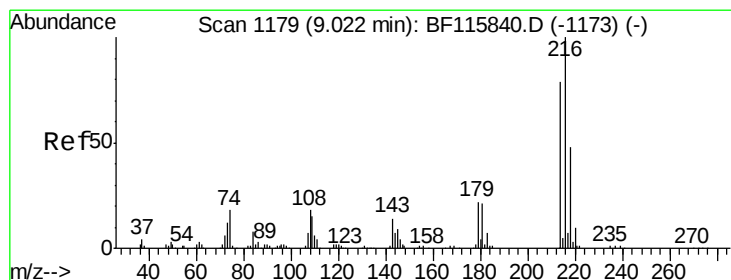
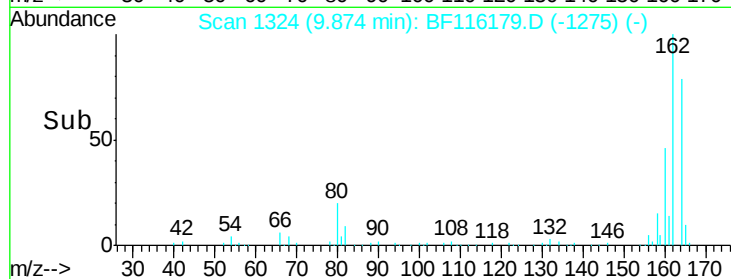
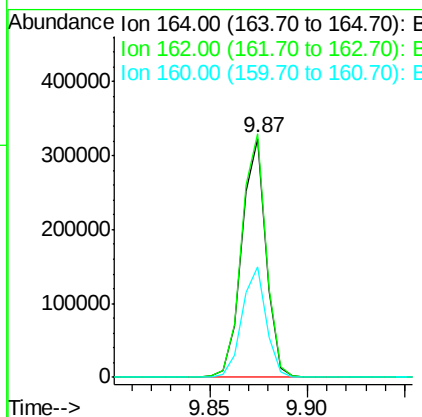
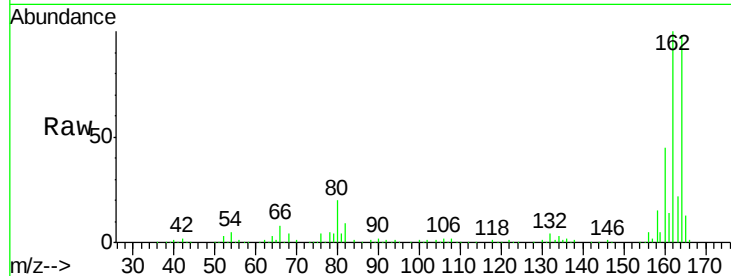
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.6	124.0
160	46.0	37.6	56.4

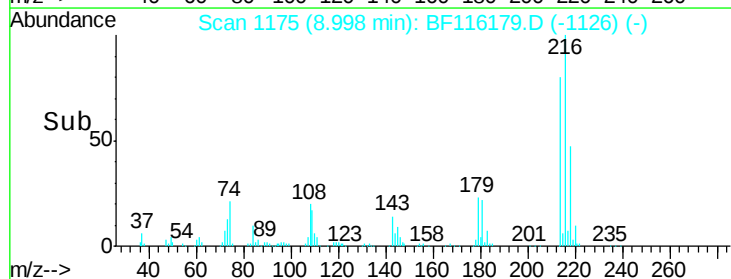
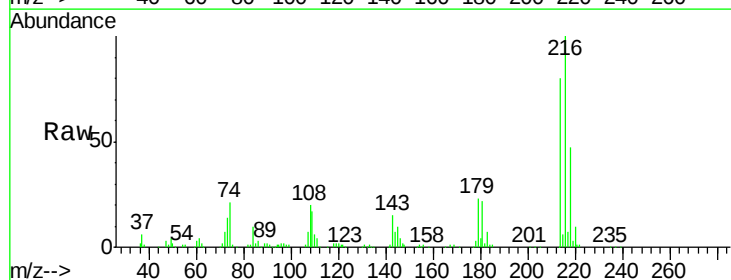
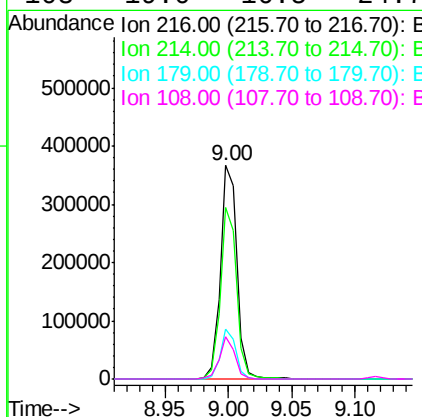
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.200 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.6	95.4
179	22.2	17.8	26.8
108	19.0	16.5	24.7





#41

Hexachlorocyclopentadiene

Concen: 19.177 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

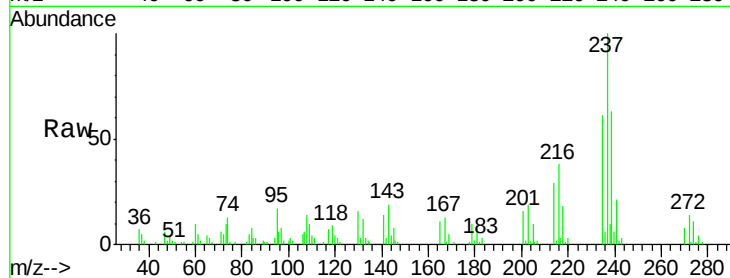
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

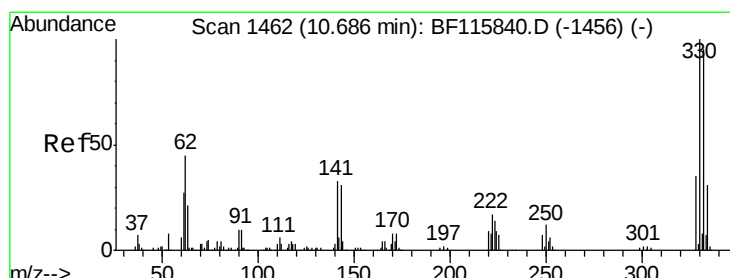
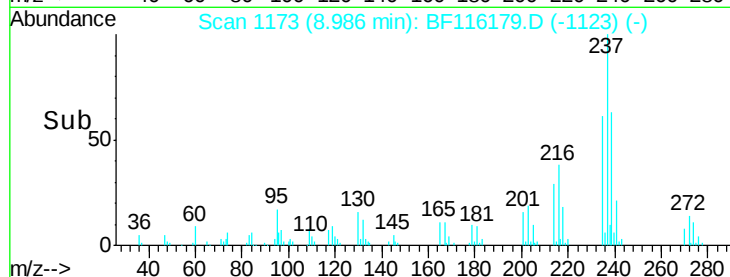
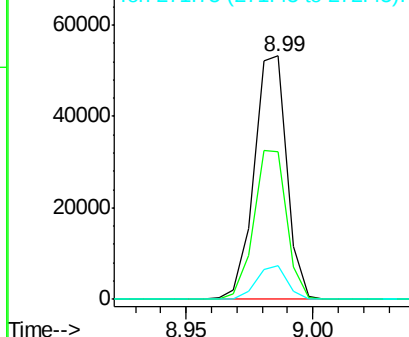
Tot Ion:	237	Resp:	47818
Ion Ratio	Lower	Upper	
237	100		
235	60.5	43.4	83.4
272	14.0	0.0	33.2

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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: 66.961 ng

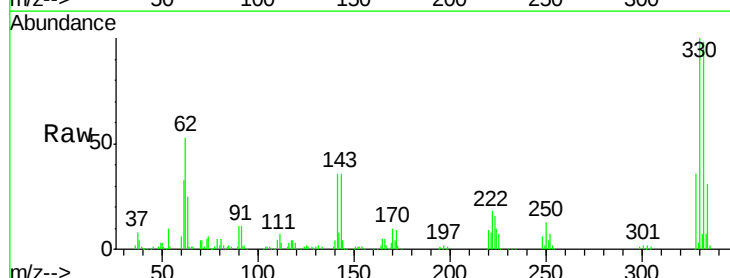
RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

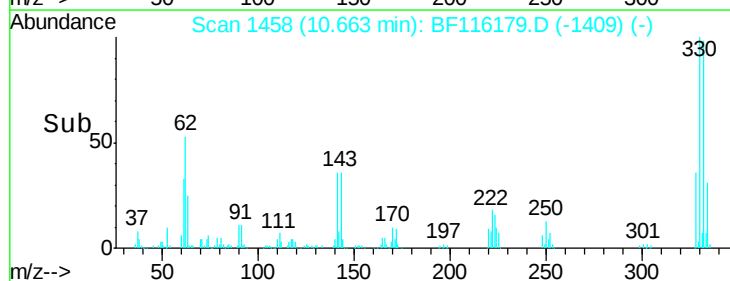
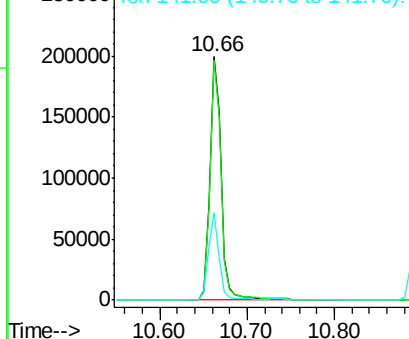
Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion:	330	Resp:	180699
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.8	115.2
141	33.9	26.3	39.5



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





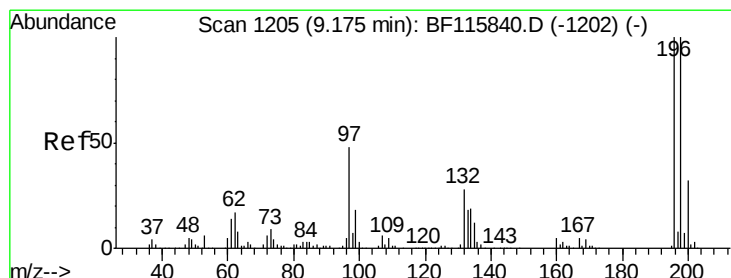
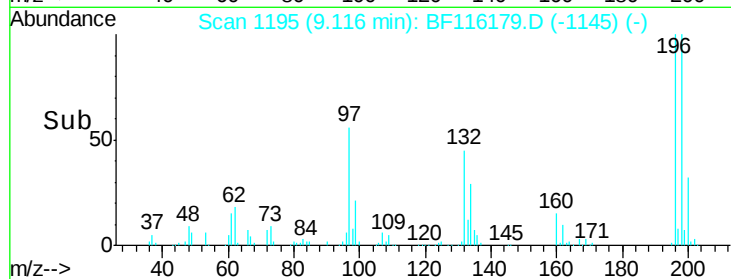
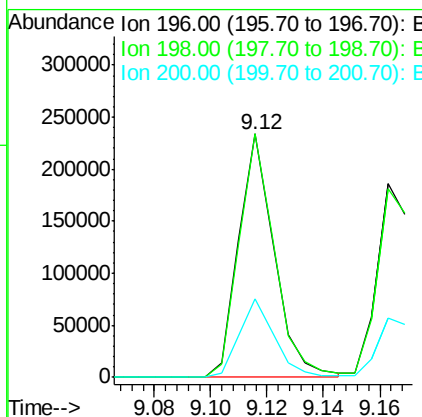
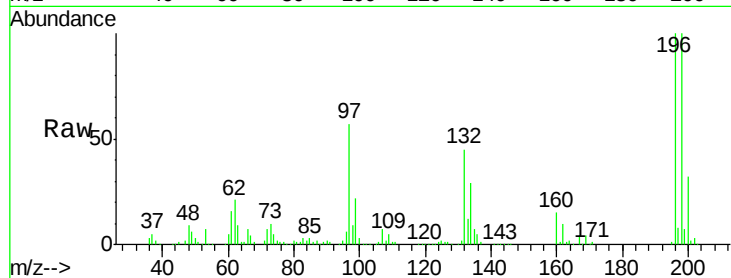
#43
 2,4,6-Trichlorophenol
 Concen: 40.069 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	100.0	79.2	118.8	
200	32.1	25.2	37.8	

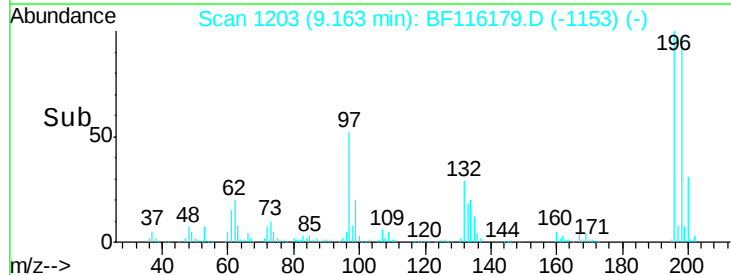
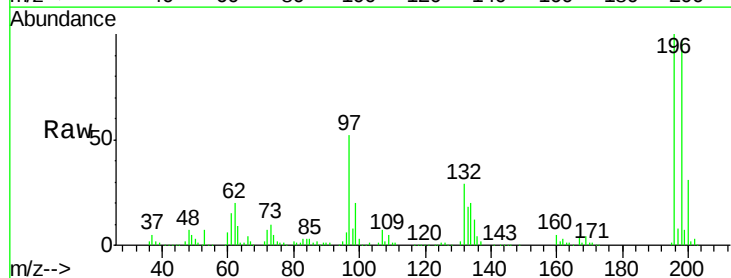
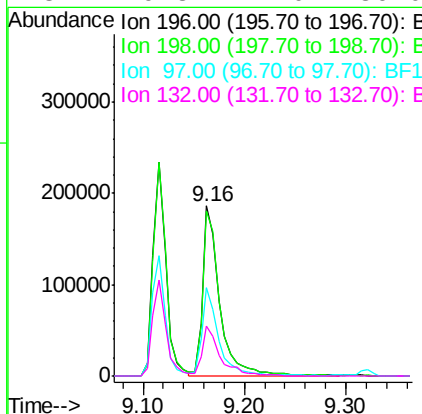
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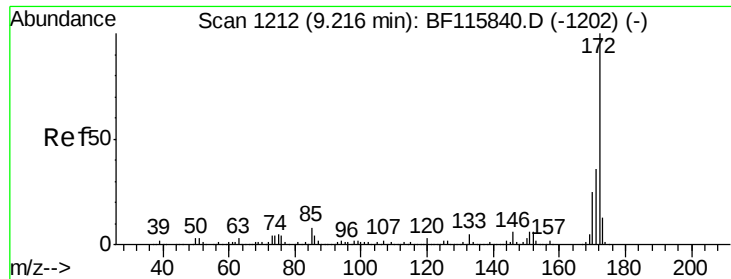
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 40.773 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	97.2	78.8	118.2	
97	51.7	42.2	63.4	
132	29.3	24.0	36.0	





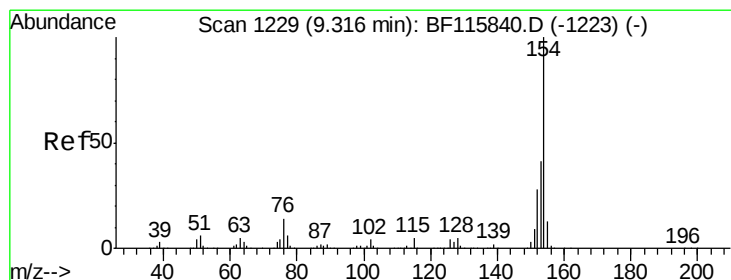
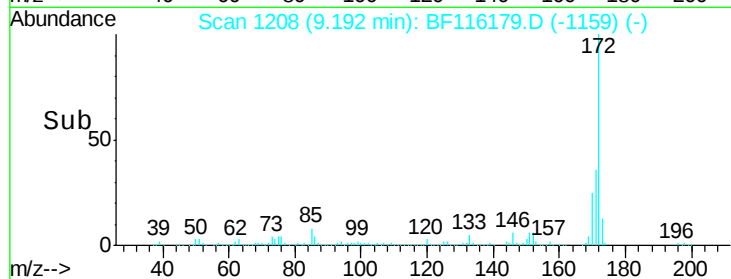
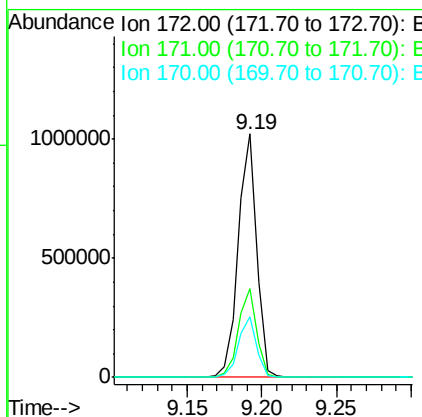
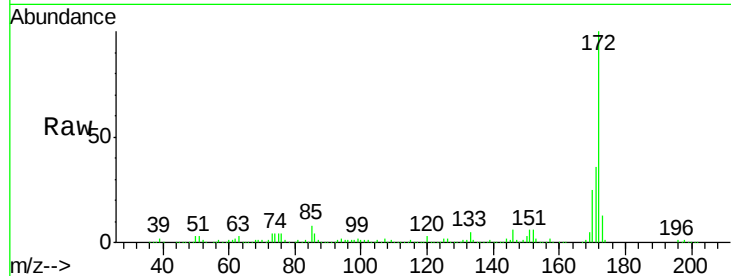
#45
2-Fluorobiphenyl
Concen: 59.867 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
172	100	889630		
171	36.4		29.6	44.4
170	24.8		20.1	30.1

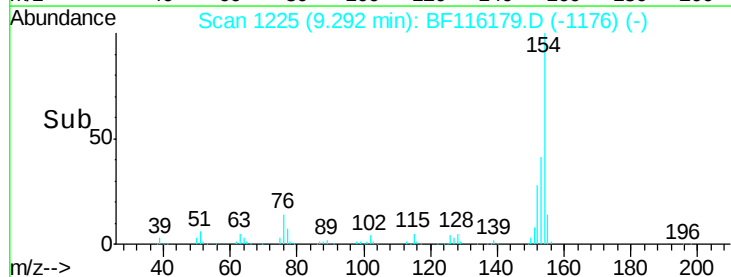
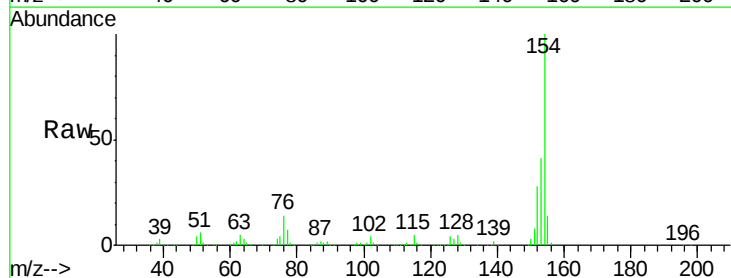
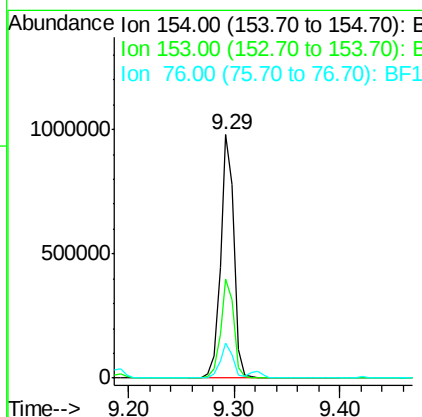
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#46
1,1'-Biphenyl
Concen: 44.265 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	869831		
153	40.7		21.4	61.4
76	14.1		0.0	35.2





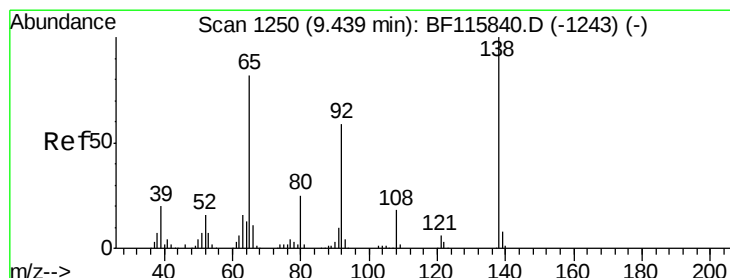
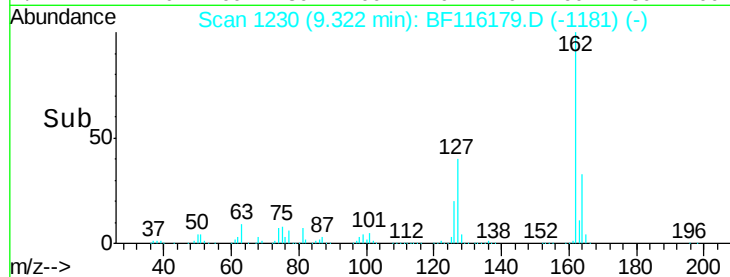
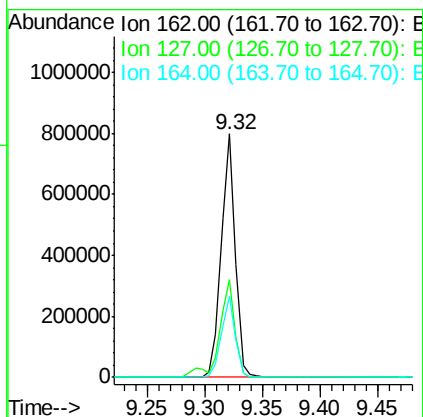
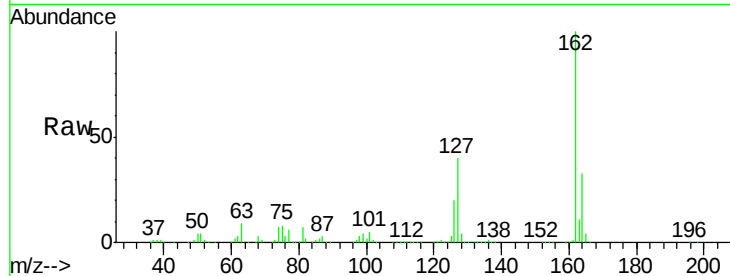
#47
 2-Chloronaphthalene
 Concen: 41.425 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	40.3	32.8	49.2
164	33.2	26.6	39.8

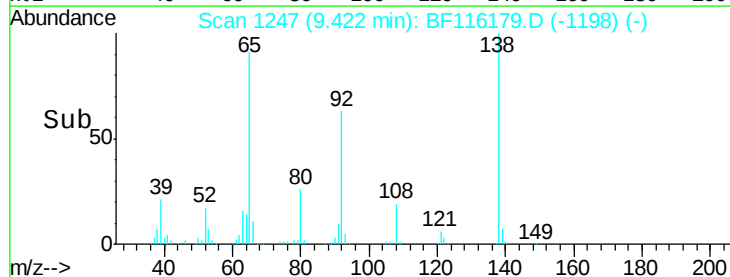
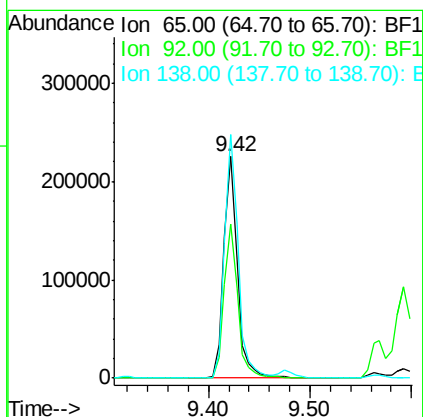
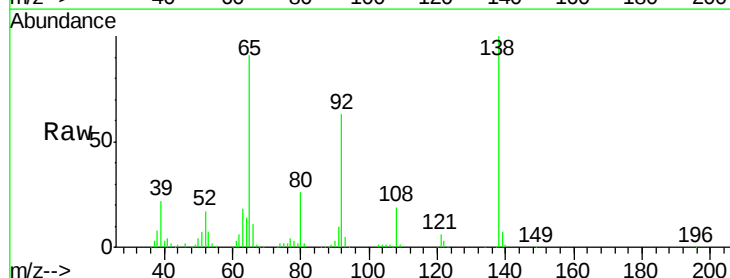
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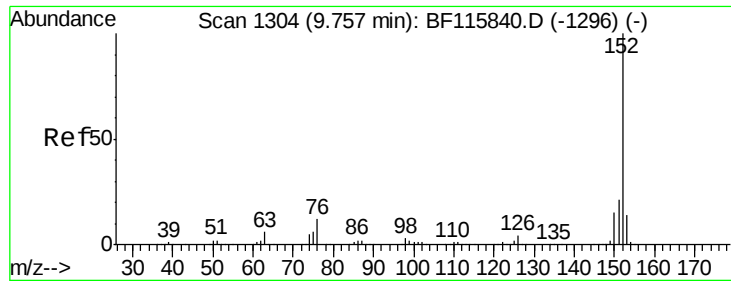
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#48
 2-Nitroaniline
 Concen: 39.201 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	69.6	57.8	86.8
138	109.9	94.0	141.0





#49

Acenaphthylene

Concen: 41.066 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

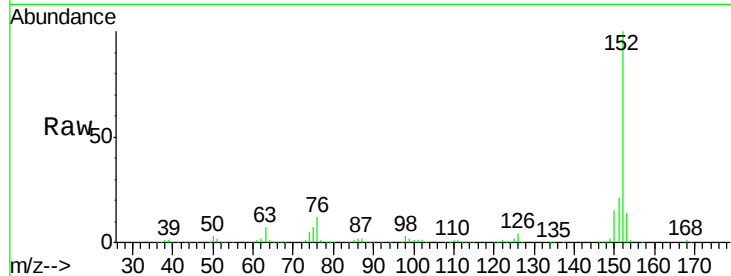
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

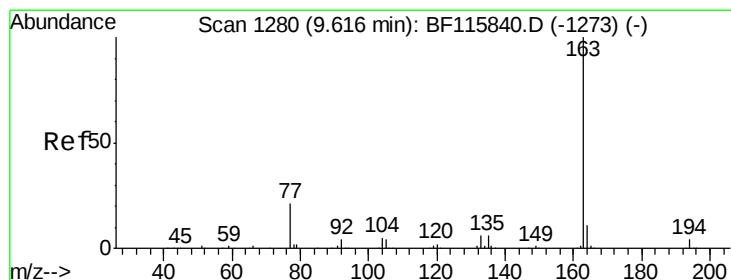
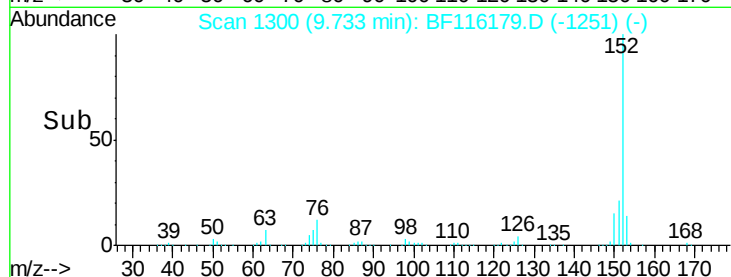
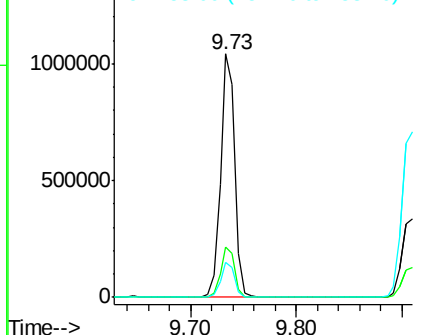
Tot Ion:	152	Resp:	979857
Ion Ratio	Lower	Upper	
152	100		
151	20.7	17.2	25.8
153	14.4	11.8	17.8

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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: 51.689 ng

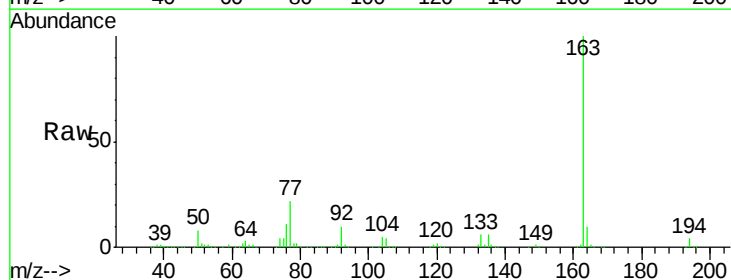
RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

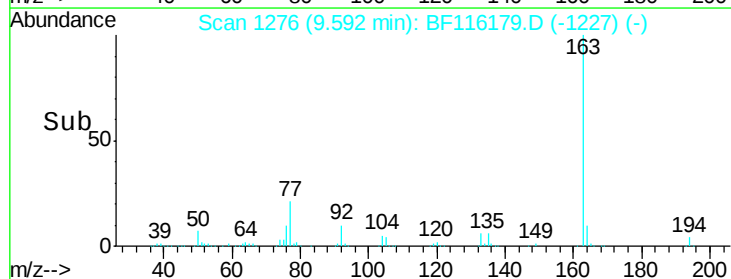
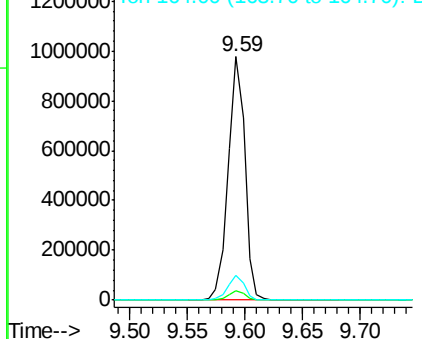
Lab File: BF116179.D

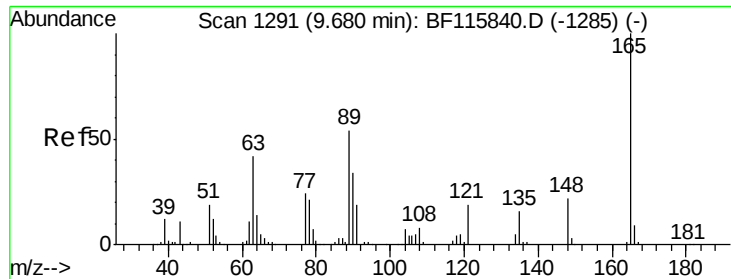
Acq: 11 Aug 2019 6:44

Tgt Ion:	163	Resp:	979597
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.4	8.4	12.6



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





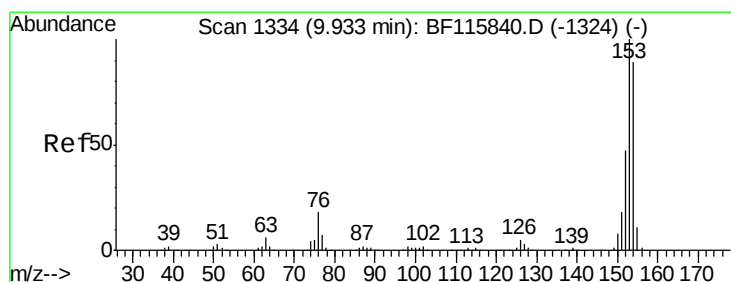
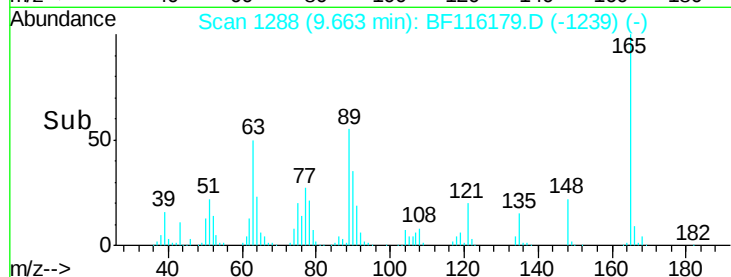
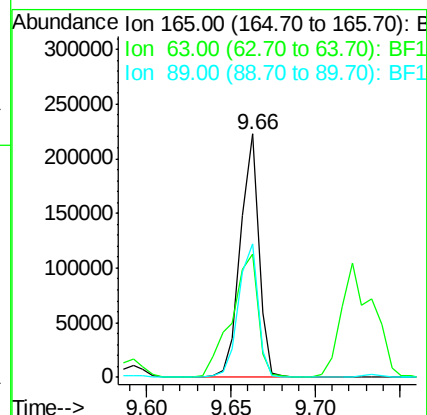
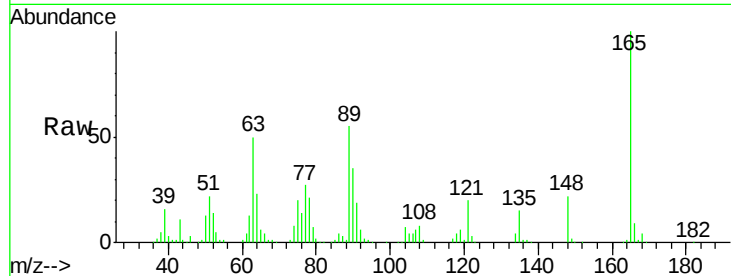
#51
 2,6-Dinitrotoluene
 Concen: 41.079 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tot Ion:	165	Resp:	169187
Ion Ratio	Lower	Upper	
165	100		
63	50.5	38.2	57.2
89	55.0	42.9	64.3

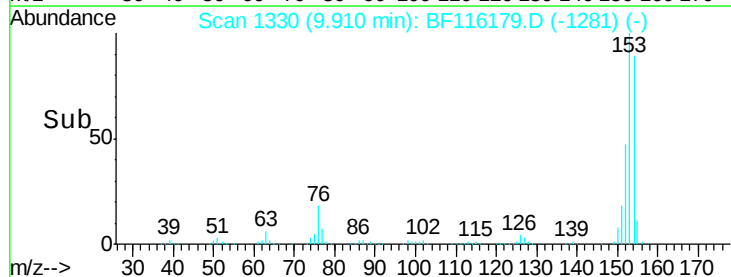
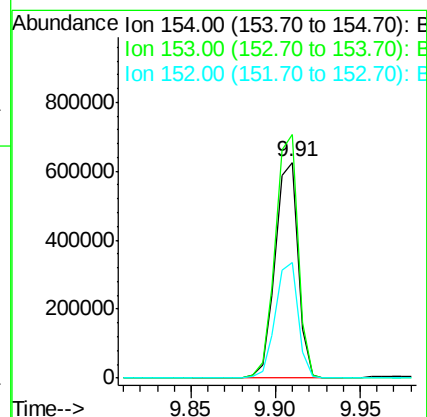
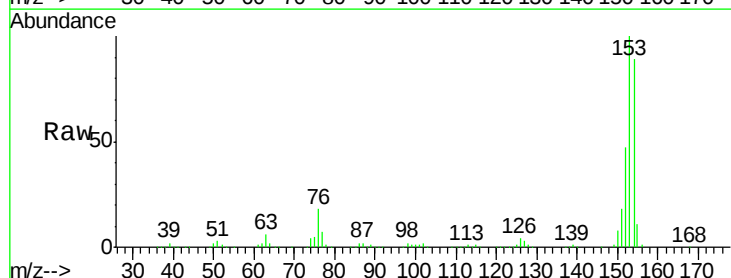
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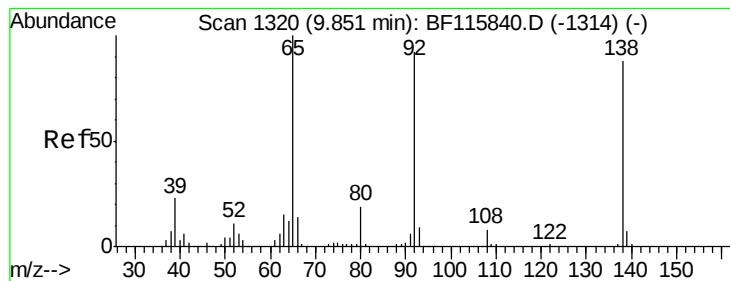
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#52
 Acenaphthene
 Concen: 39.900 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Tgt Ion:	154	Resp:	584067
Ion Ratio	Lower	Upper	
154	100		
153	112.9	89.4	134.0
152	53.4	42.3	63.5





#53

3-Nitroaniline

Concen: 29.796 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

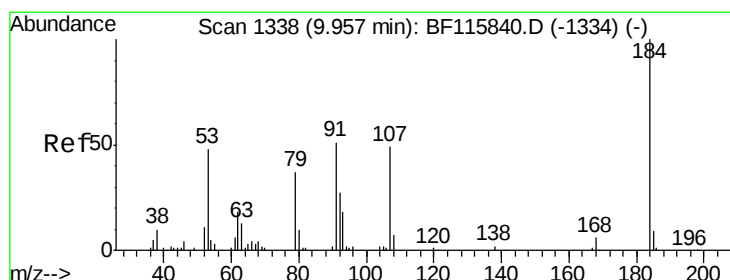
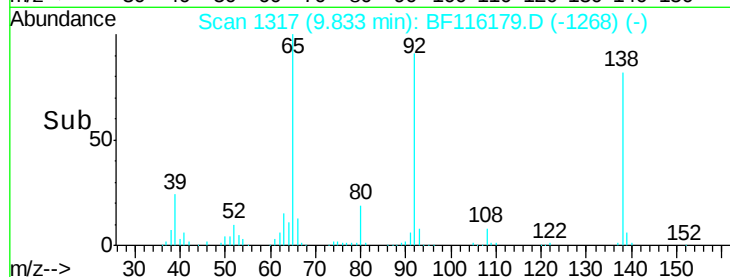
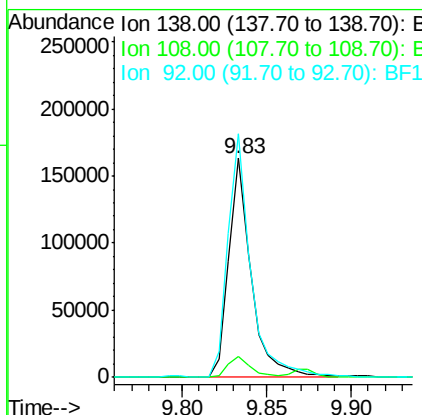
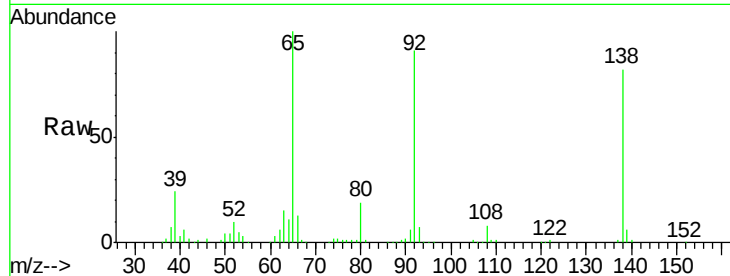
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

Tot Ion:	138	Resp:	151633
Ion Ratio	Lower	Upper	
138	100		
108	9.3	8.0	12.0
92	111.2	91.0	136.6

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#54

2,4-Dinitrophenol

Concen: 14.766 ng

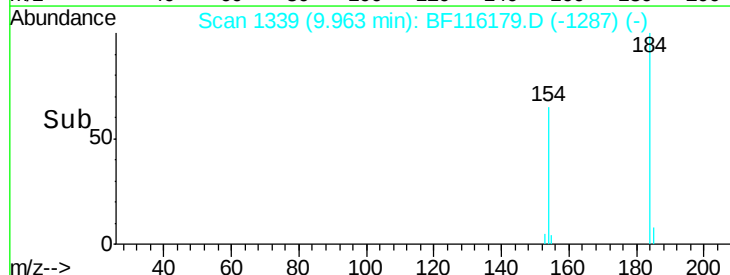
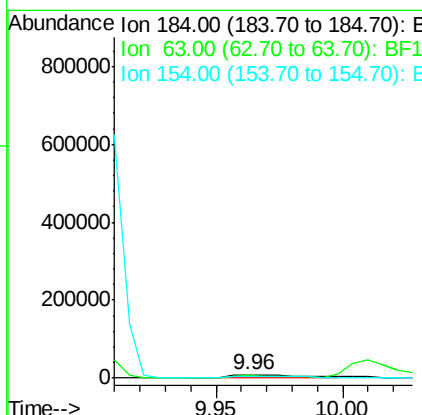
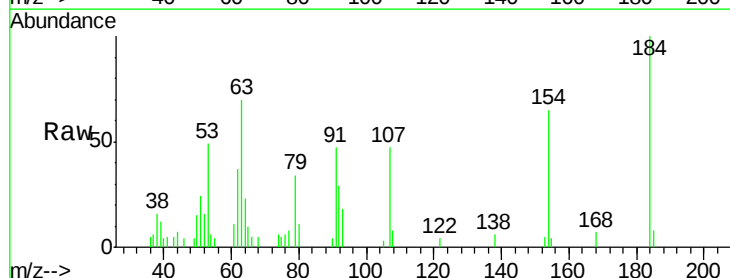
RT: 9.96 min Scan# 1339

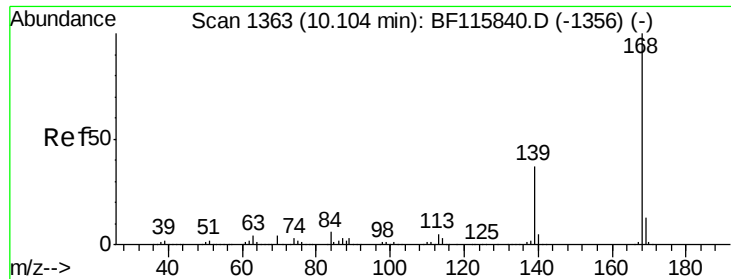
Delta R.T. 0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion:	184	Resp:	16143
Ion Ratio	Lower	Upper	
184	100		
63	70.2	53.0	79.4
154	64.9	50.1	75.1





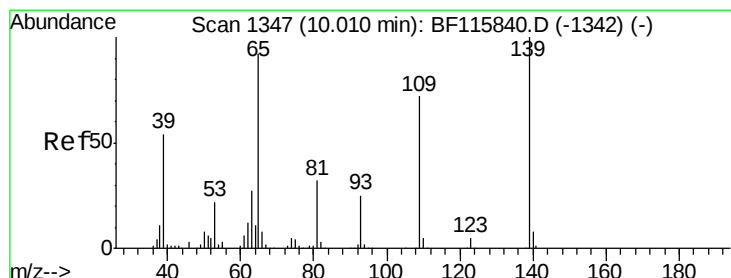
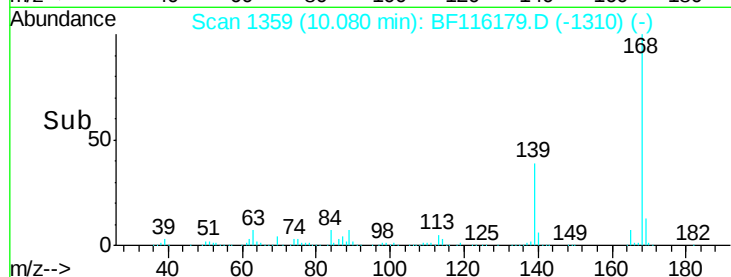
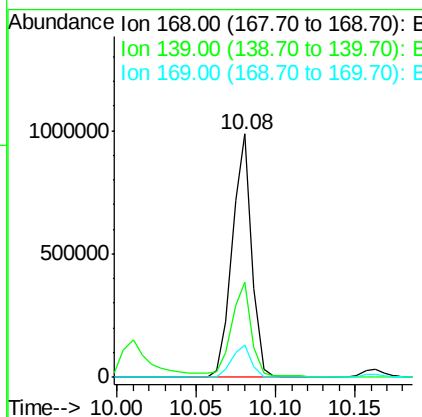
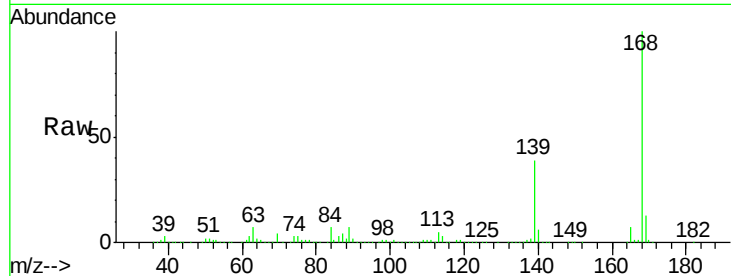
#55
Dibenzenofuran
Concen: 39.302 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	836651		
139	39.1		31.4	47.2
169	13.5		10.9	16.3

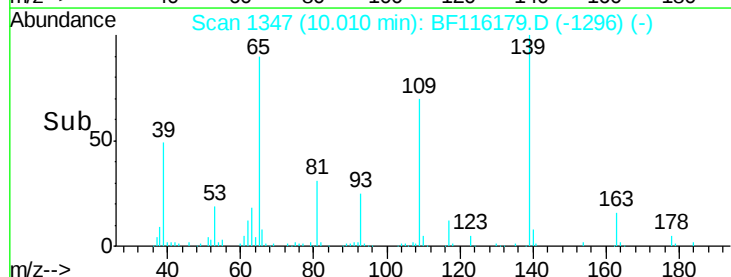
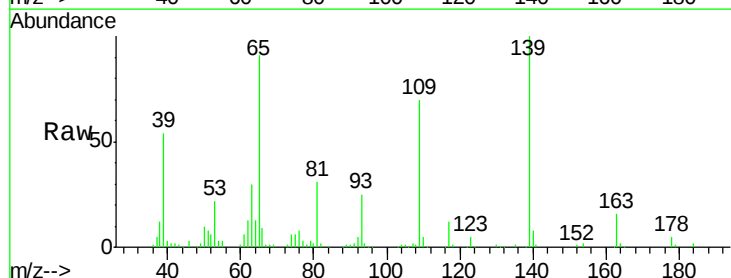
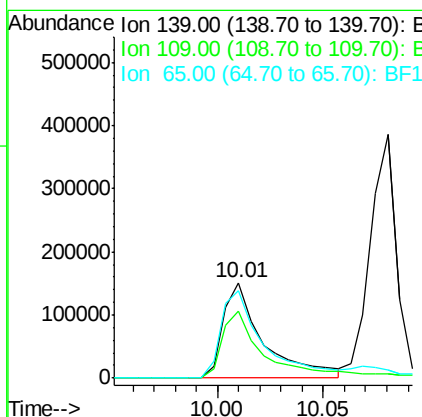
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#56
4-Nitrophenol
Concen: 61.079 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	199117		
109	69.5		54.4	94.4
65	90.9		80.6	120.6





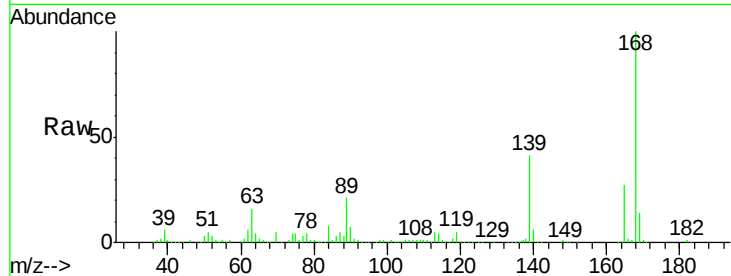
#57
2,4-Dinitrotoluene
Concen: 35.891 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

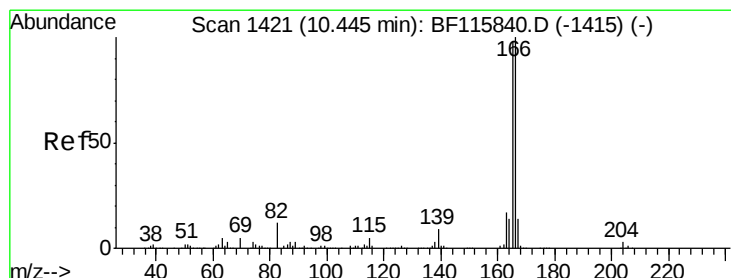
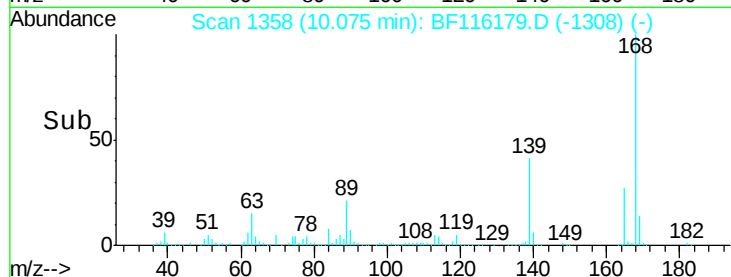
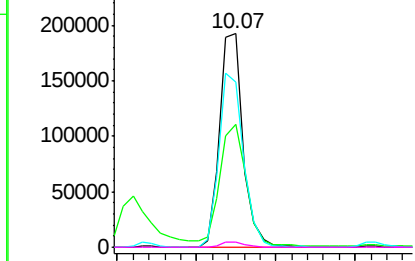
Tot Ion	Ratio	Resp	Lower	Upper
165	100	196808		
63	57.8	39.6	59.4	
89	77.5	62.2	93.2	
182	2.5	2.1	3.1	

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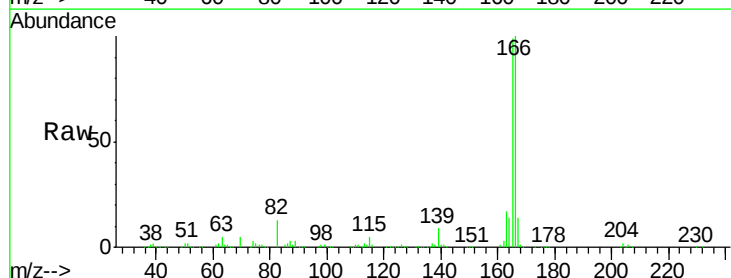


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

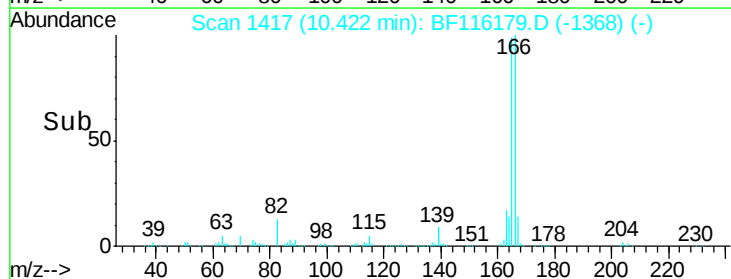
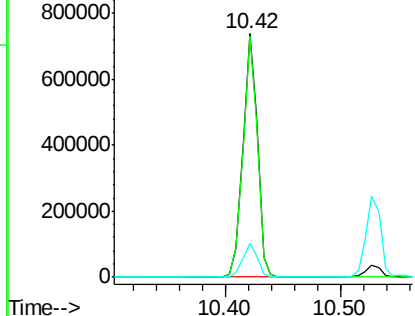


#58
Fluorene
Concen: 39.391 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	645148		
165	99.1	78.4	117.6	
167	13.6	11.0	16.4	



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





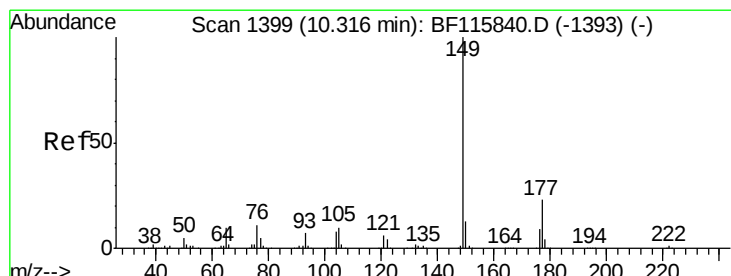
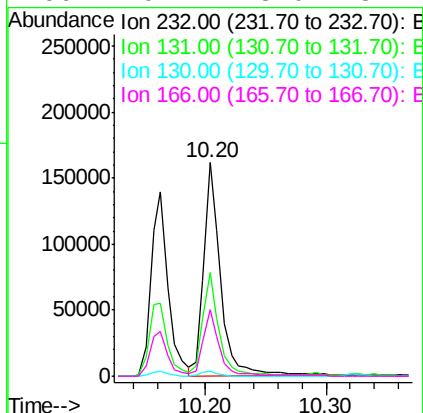
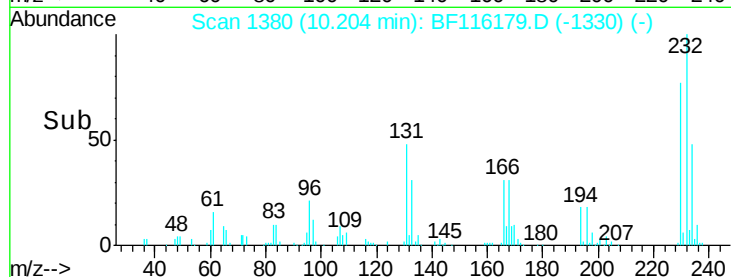
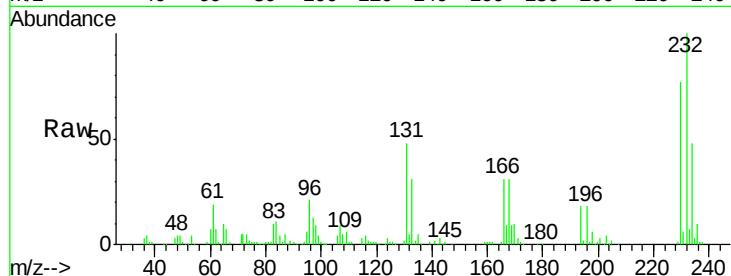
#59
2,3,4,6-Tetrachlorophenol
Concen: 34.871 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	155326		
131	45.8	36.2	54.2	
130	2.4	1.9	2.9	
166	29.4	23.0	34.4	

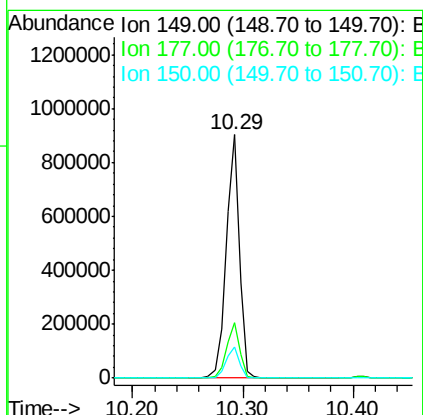
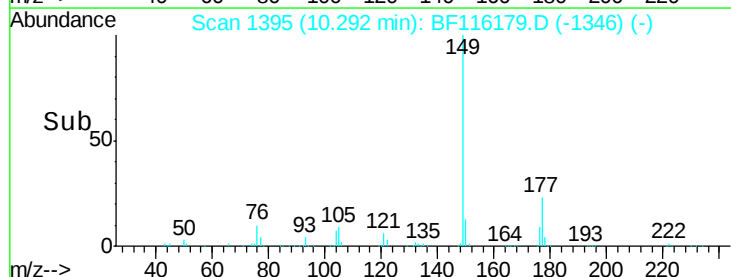
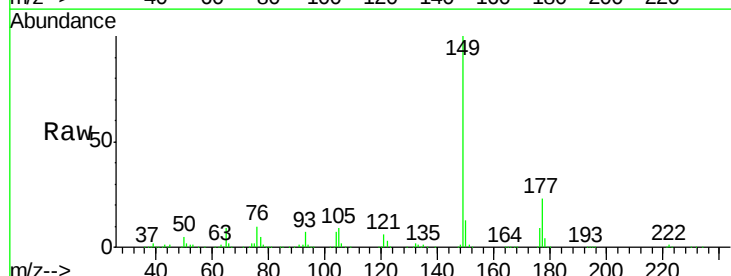
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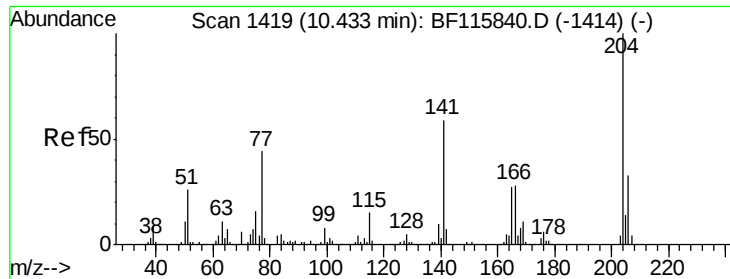
mohammad
8/14/2019 2:55:25 AM



#60
Diethylphthalate
Concen: 42.600 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	753768		
177	23.0	18.8	28.2	
150	12.7	10.2	15.4	





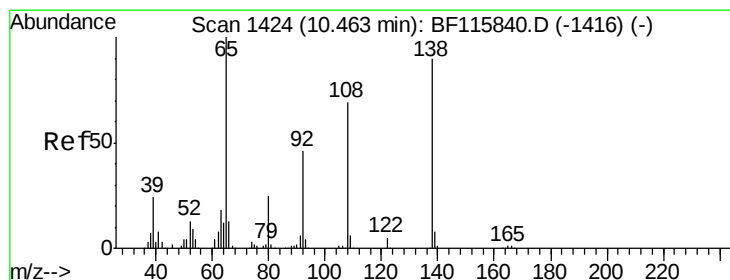
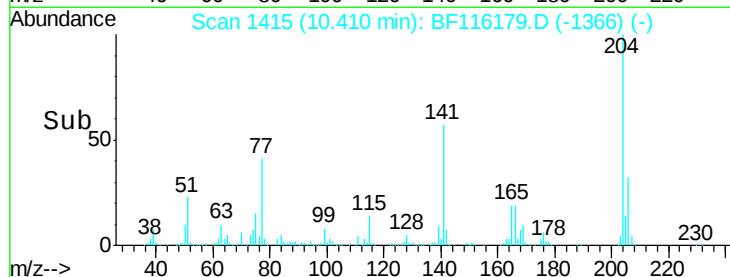
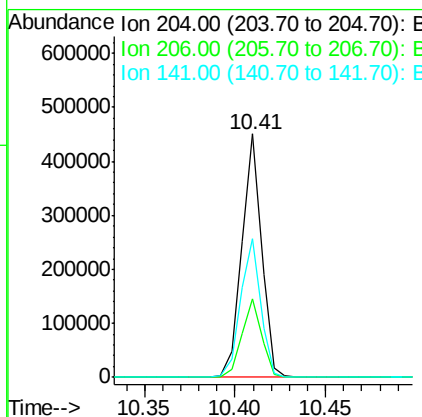
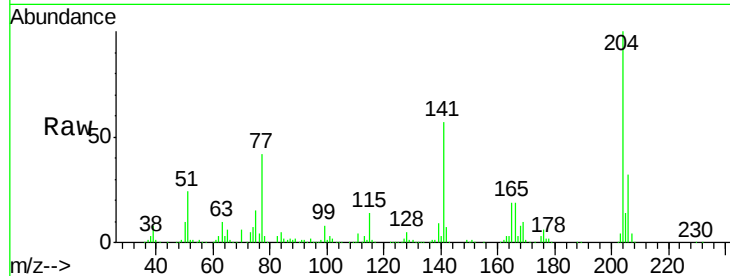
#61
4-Chlorophenyl-phenylether
Concen: 41.198 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.4	39.6
141	56.9	46.4	69.6

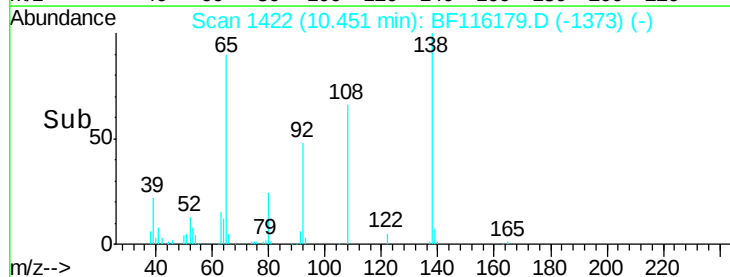
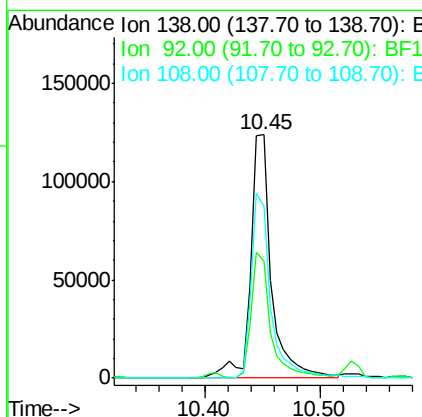
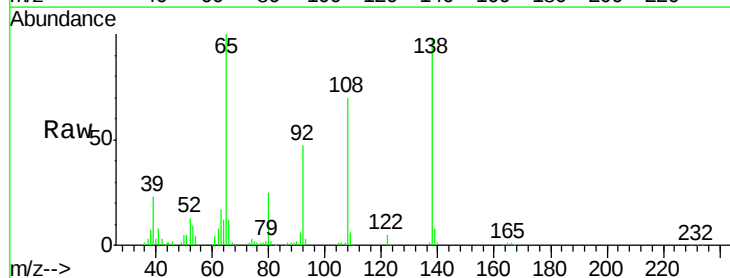
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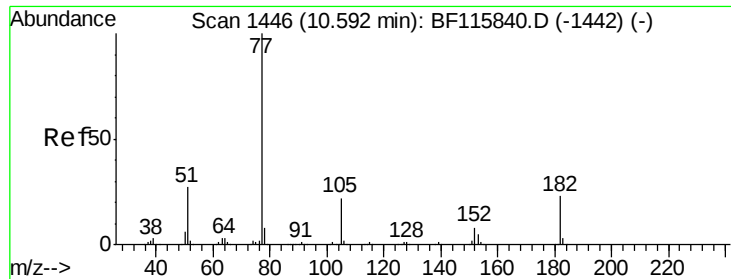
mohammad
8/14/2019 2:55:25 AM



#62
4-Nitroaniline
Concen: 29.633 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.1	29.0	69.0
108	70.7	54.7	94.7





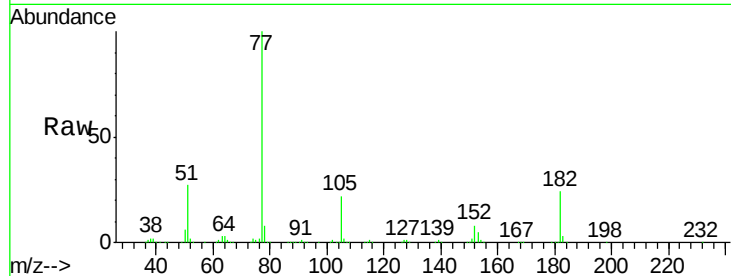
#63
Azobenzene
Concen: 39.652 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

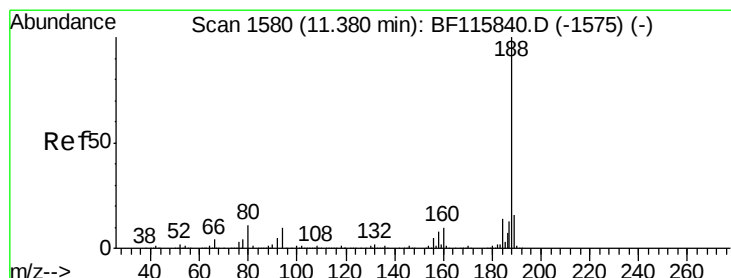
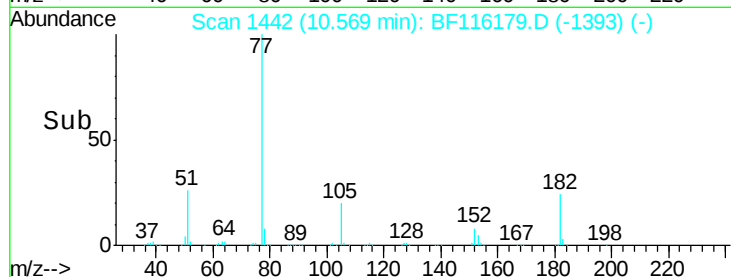
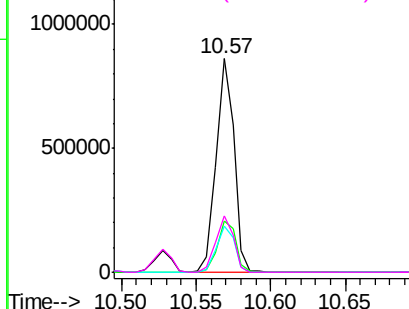
Tot Ion	Ratio	Resp	Lower	Upper
77	100	721627		
182	23.7	4.0	44.0	
105	21.8	2.0	42.0	
51	26.7	7.5	47.5	

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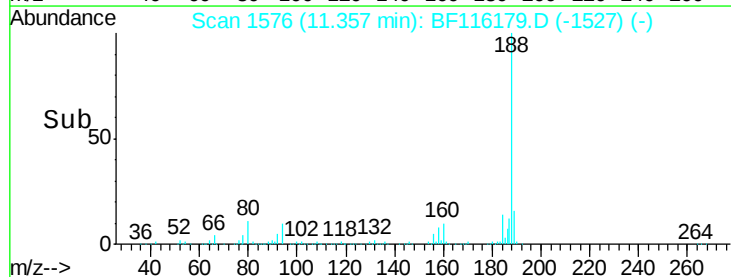
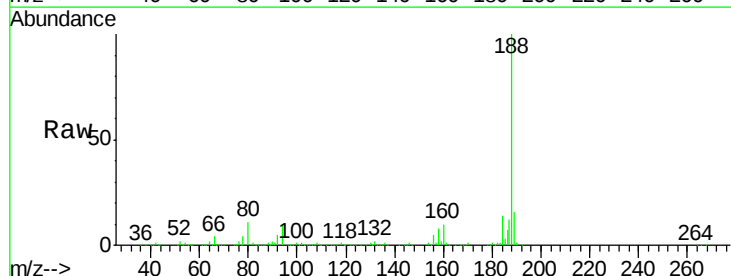
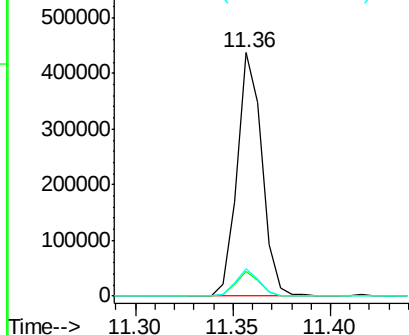
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

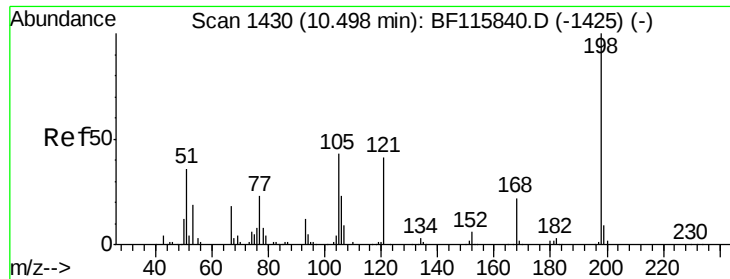


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	385894		
94	10.0	8.1	12.1	
80	11.2	8.7	13.1	

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





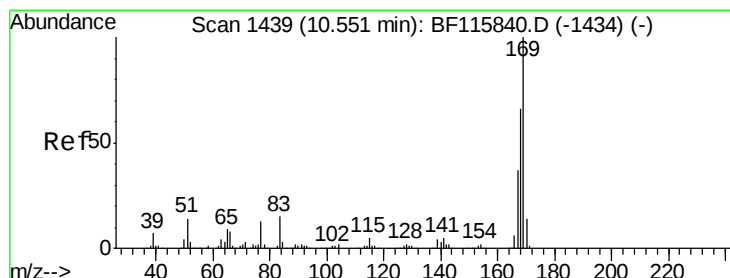
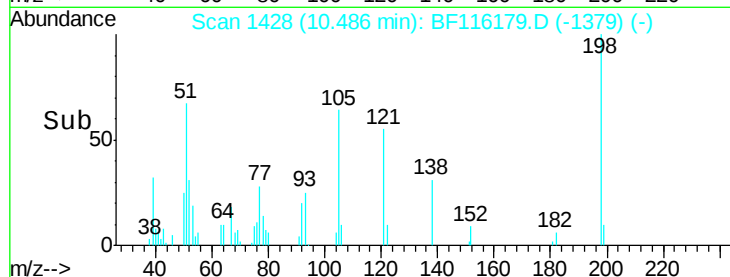
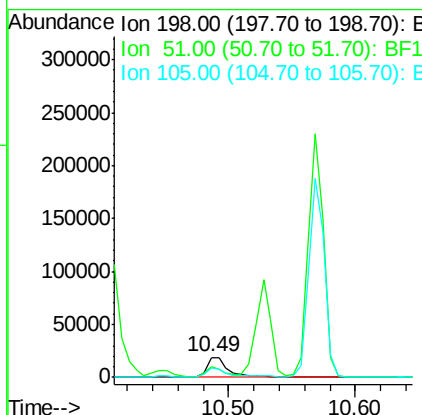
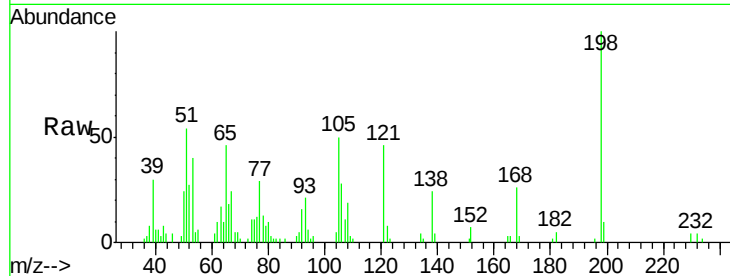
#65
4,6-Dinitro-2-methylphenol
Concen: 11.423 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	23359		
51	53.8	17.0	57.0	
105	49.6	21.6	61.6	

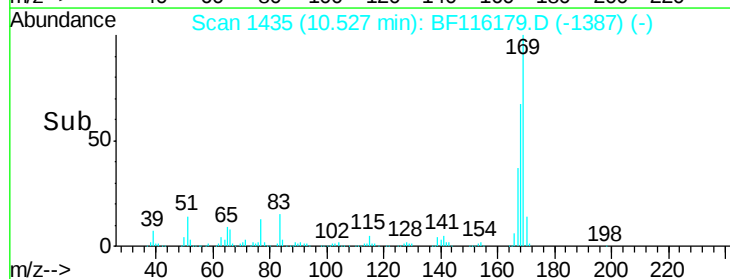
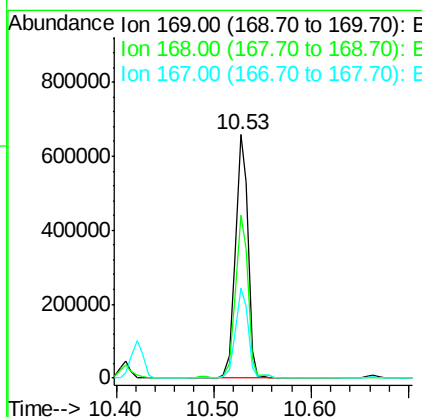
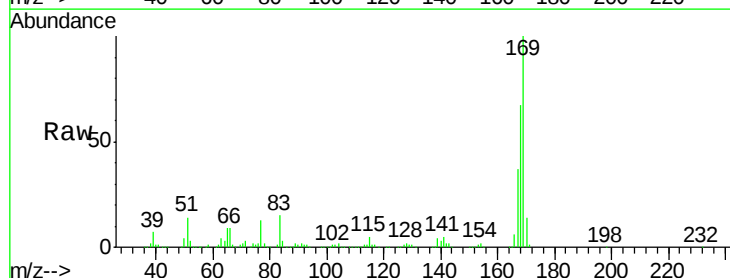
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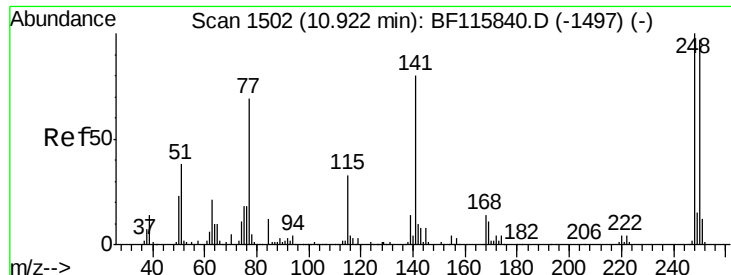
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 50.281 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	584020		
168	66.9	53.8	80.6	
167	37.2	29.6	44.4	





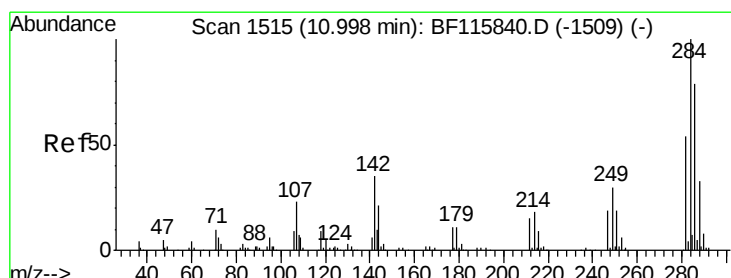
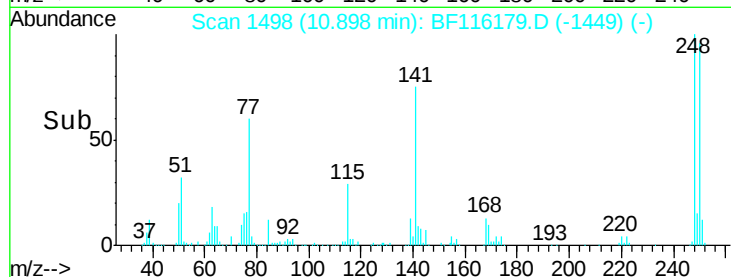
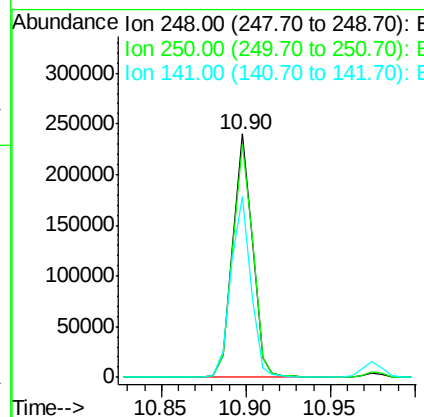
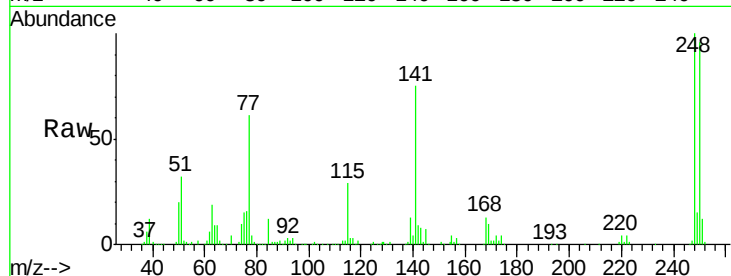
#67
4-Bromophenyl-phenylether
Concen: 47.140 ng
RT: 10.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.1	77.4	116.2
141	74.5	56.8	85.2

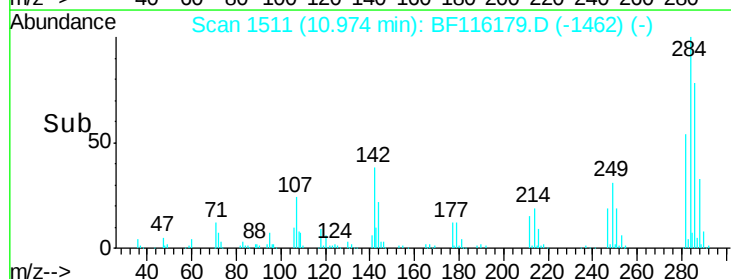
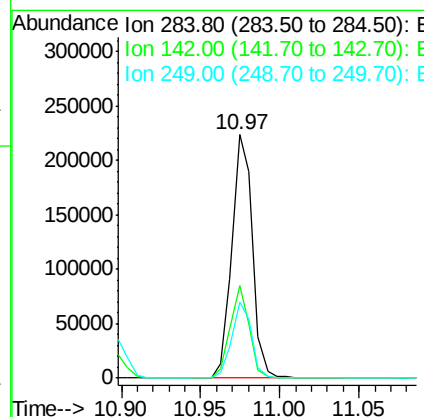
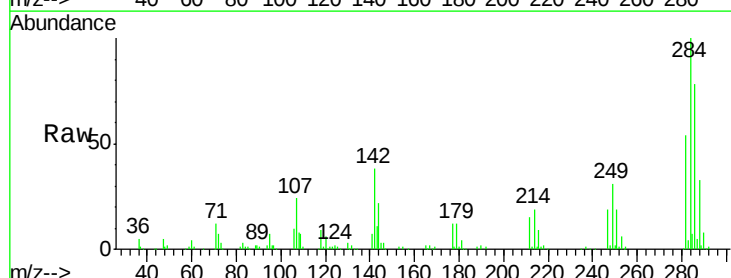
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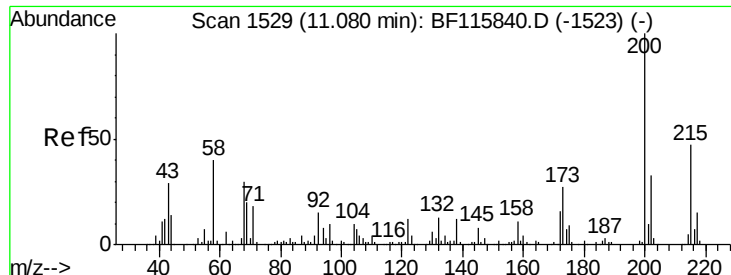
mohammad
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#68
Hexachlorobenzene
Concen: 42.008 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
284	100		
142	37.9	28.4	42.6
249	31.2	24.5	36.7





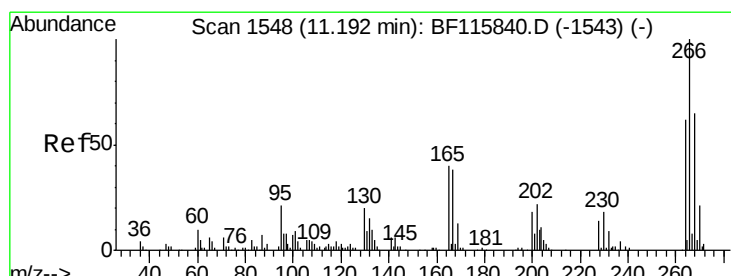
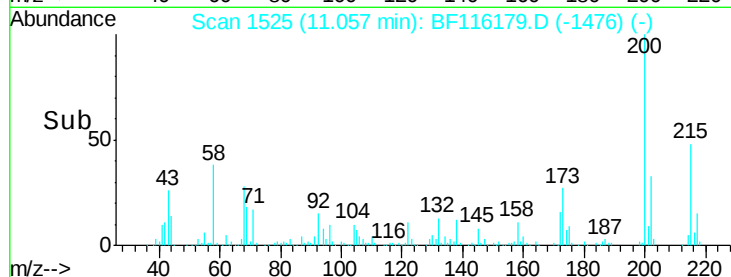
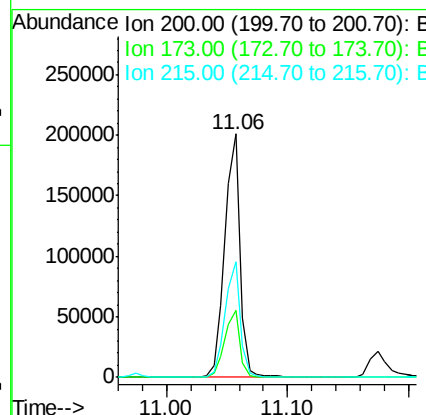
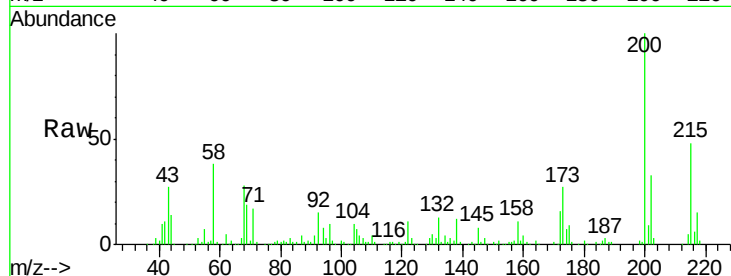
#69
 Atrazine
 Concen: 45.847 ng
 RT: 11.06 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	175186		
173	27.4	6.8	46.8	
215	47.6	27.5	67.5	

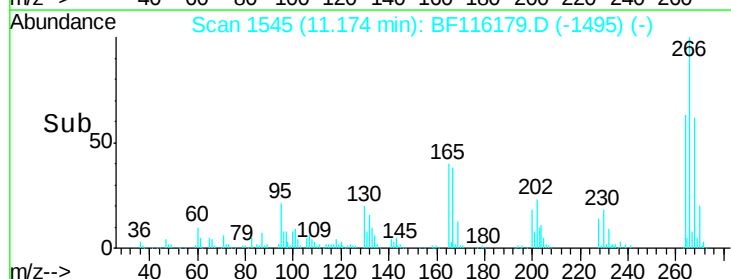
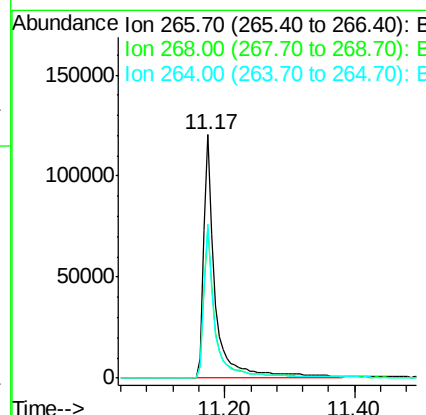
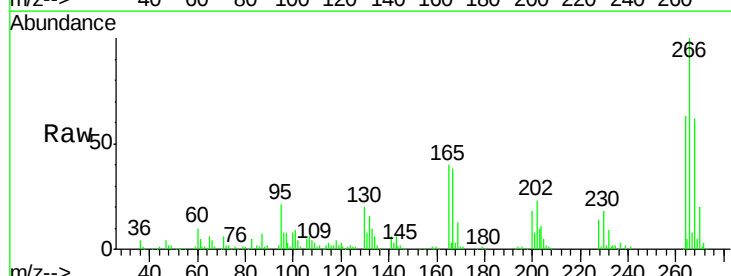
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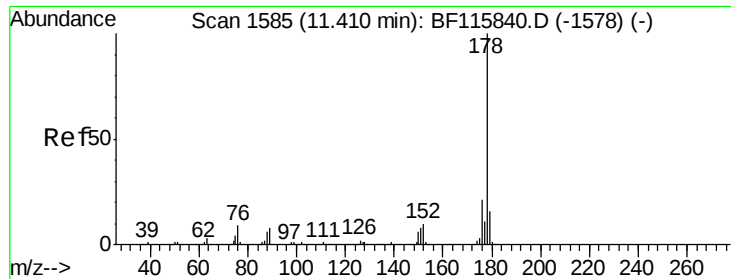
mohammad
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#70
 Pentachlorophenol
 Concen: 65.631 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	152207		
268	61.8	48.8	73.2	
264	63.1	50.6	76.0	





#71

Phenanthrene

Concen: 41.859 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

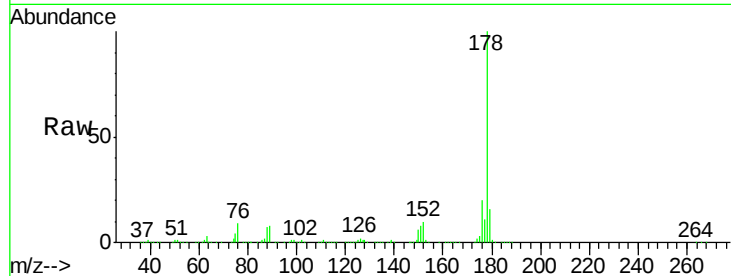
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

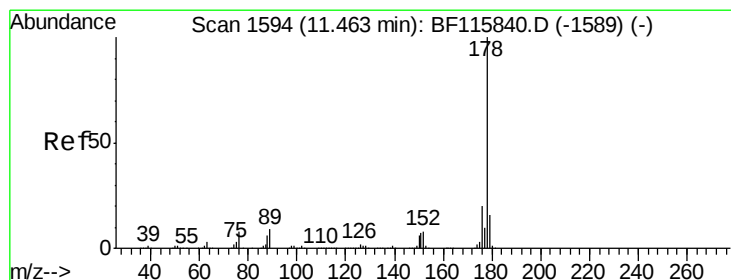
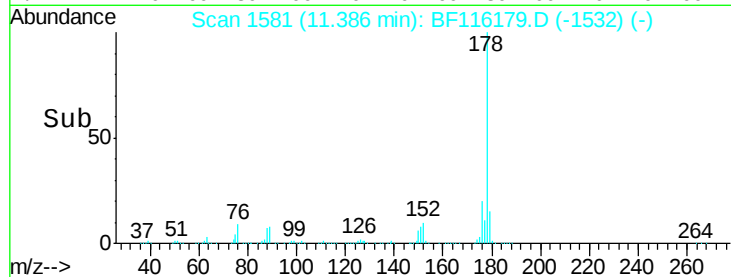
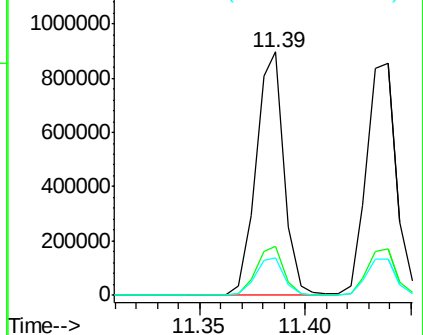
Tot Ion:178	Resp:	825789
Ion Ratio	Lower	Upper
178	100	
176	20.3	16.6 24.8
179	15.5	12.5 18.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 42.964 ng

RT: 11.44 min Scan# 1590

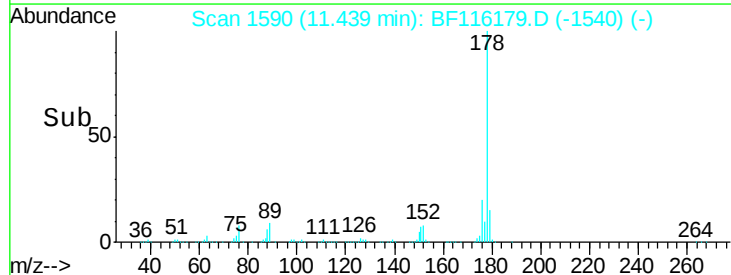
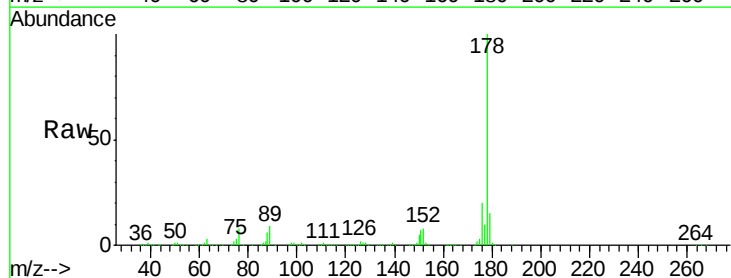
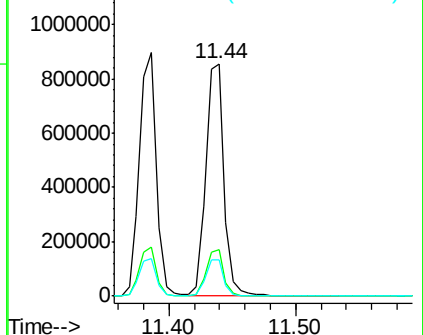
Delta R.T. -0.01 min

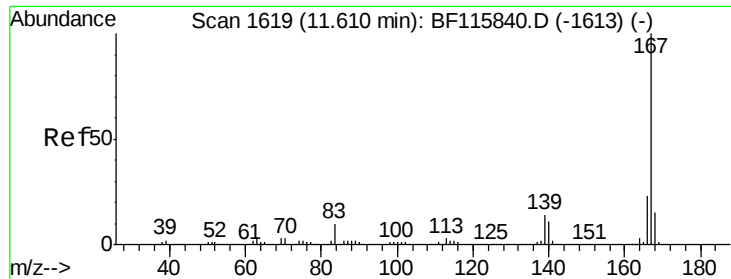
Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion:178	Resp:	857789
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.7 23.5
179	15.5	13.0 19.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





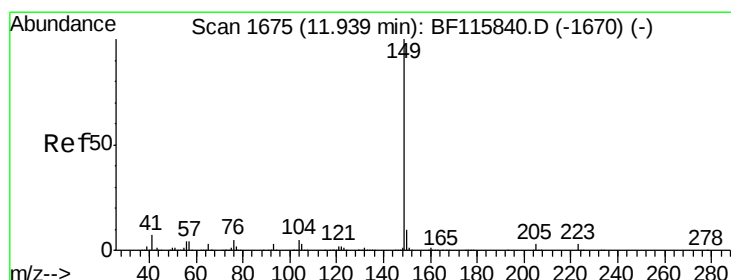
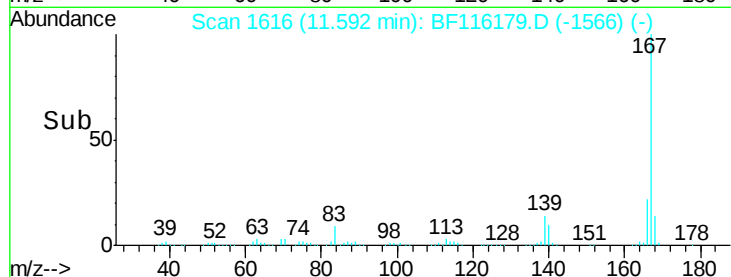
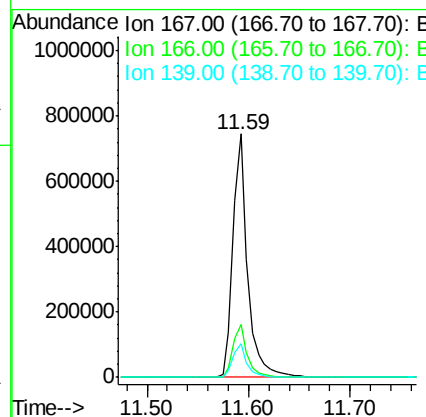
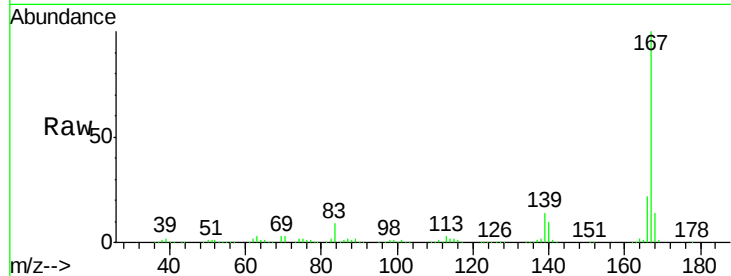
#73
 Carbazole
 Concen: 41.345 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	13.6	11.4	17.0

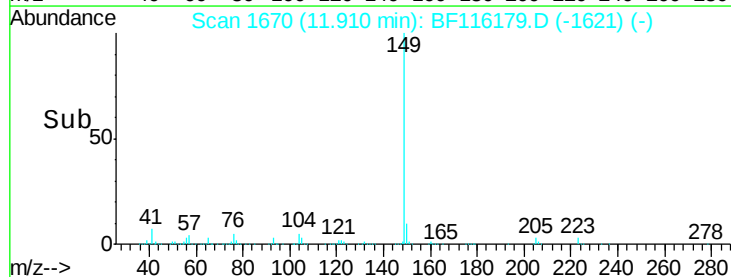
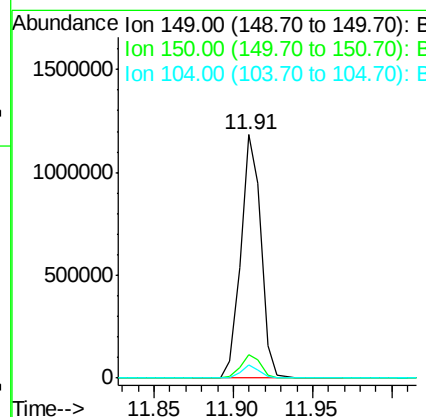
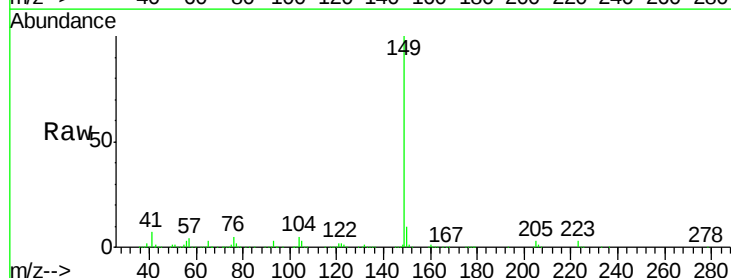
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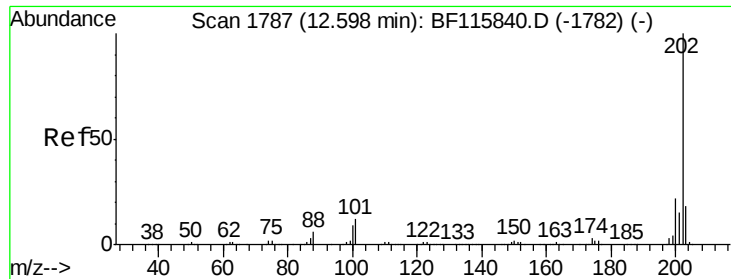
mohammad
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#74
 Di-n-butylphthalate
 Concen: 49.151 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	8.0	12.0
104	5.4	4.5	6.7





#75

Fluoranthene

Concen: 37.246 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

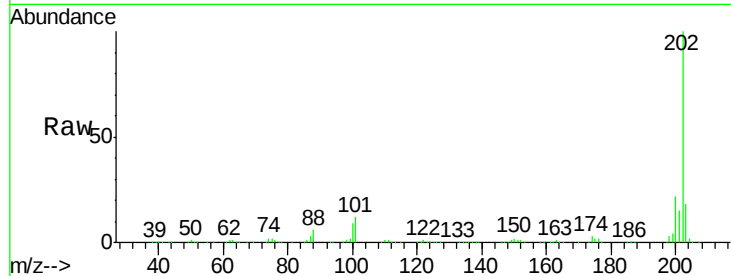
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

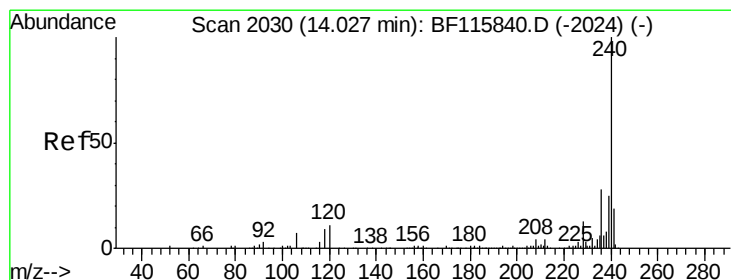
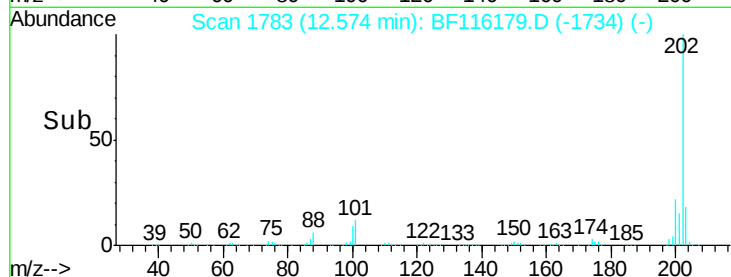
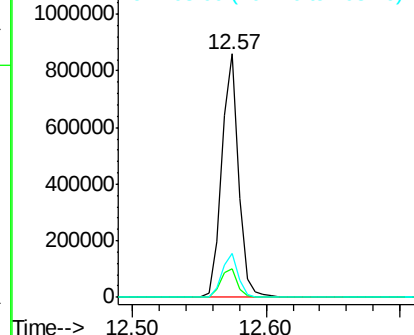
Tot Ion	Ratio	Resp	Lower	Upper
202	100	769241		
101	11.8	0.0	31.2	
203	17.9	0.0	37.8	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

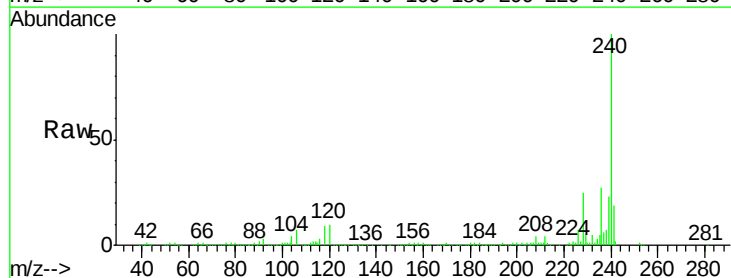
RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

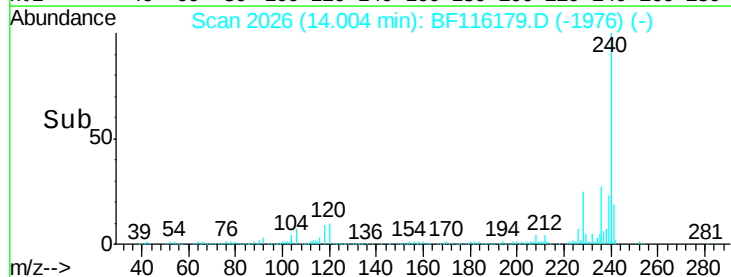
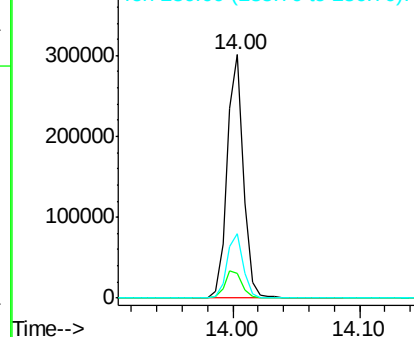
Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	268796		
120	10.4	10.7	16.1#	
236	26.6	22.2	33.2	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 52.935 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

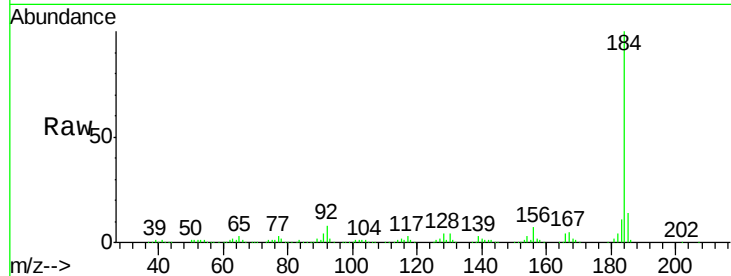
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

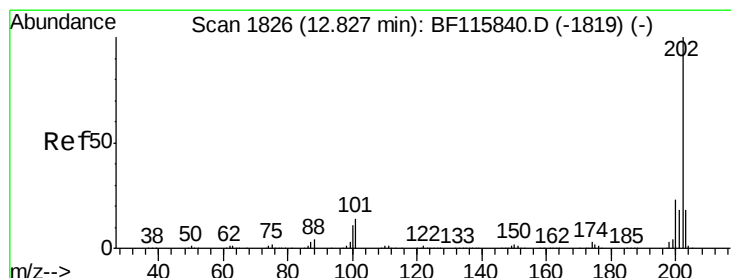
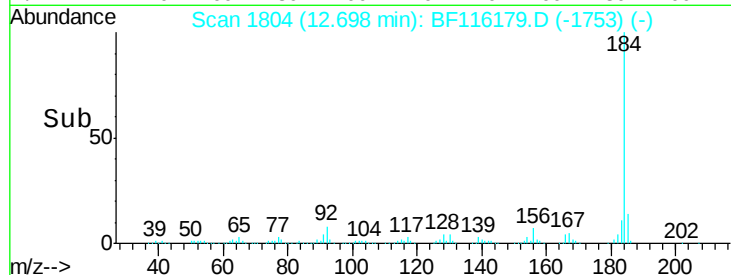
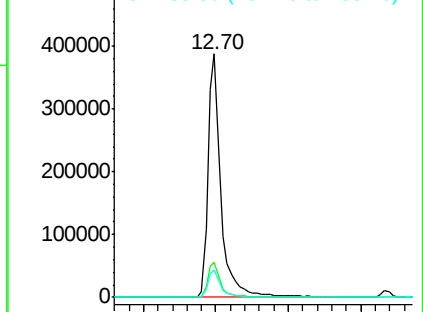
Tot Ion:	184	Resp:	480702
Ion Ratio	Lower	Upper	
184	100		
185	14.5	12.8	19.2
183	11.2	9.4	14.0

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 38.429 ng

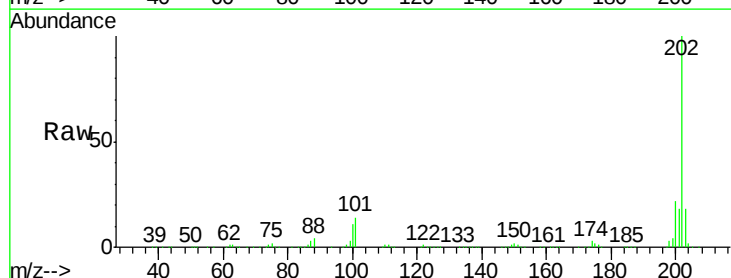
RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

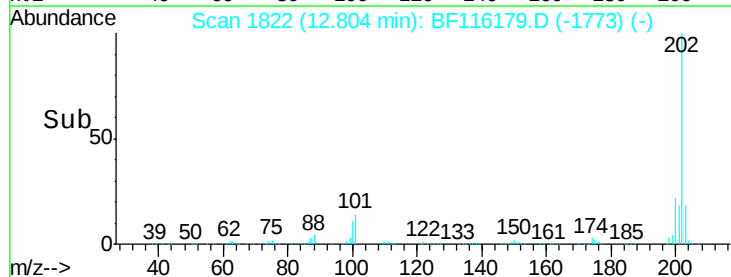
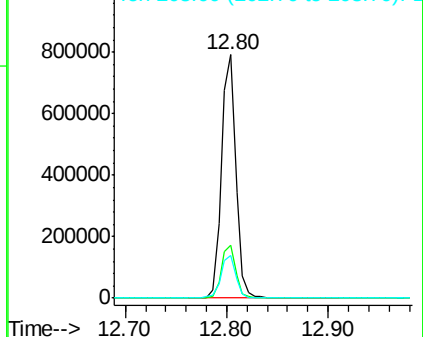
Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion:	202	Resp:	778661
Ion Ratio	Lower	Upper	
202	100		
200	21.9	18.0	27.0
203	17.6	14.1	21.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 51.141 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Instrument :

BNA_F

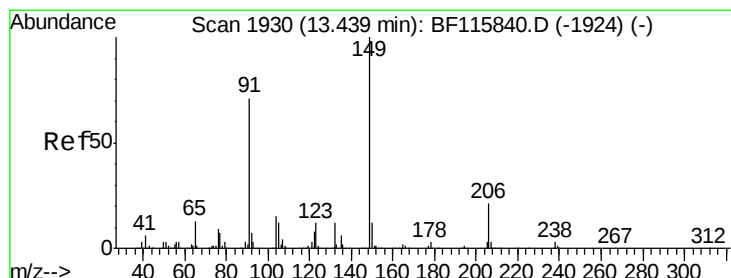
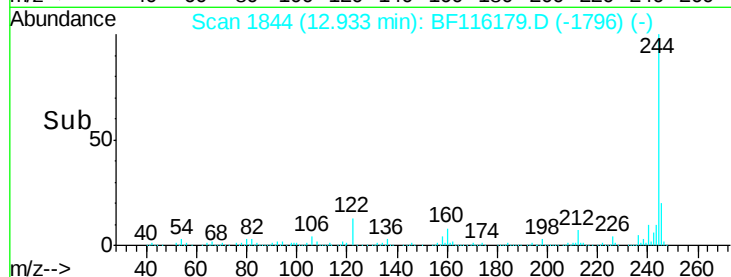
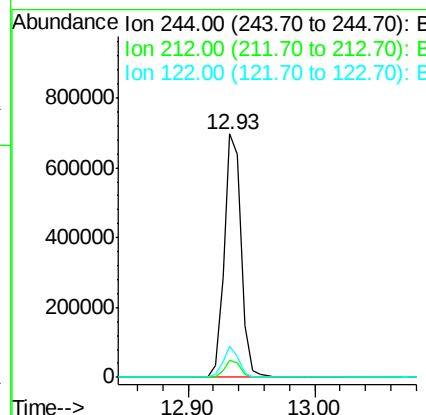
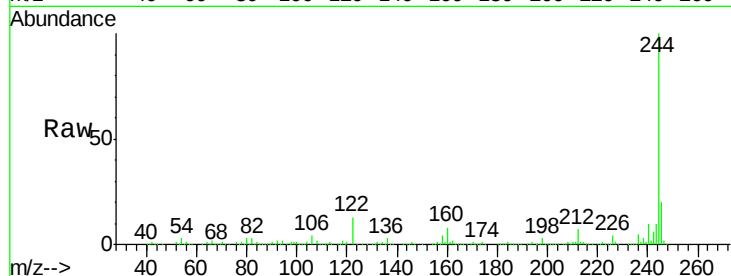
ClientSampleId :

CP-MW2-N-12-16-SOILMSD

Tot Ion:	244	Resp:	652366
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	12.7	9.0	13.4

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#80

Butylbenzylphthalate

Concen: 42.881 ng

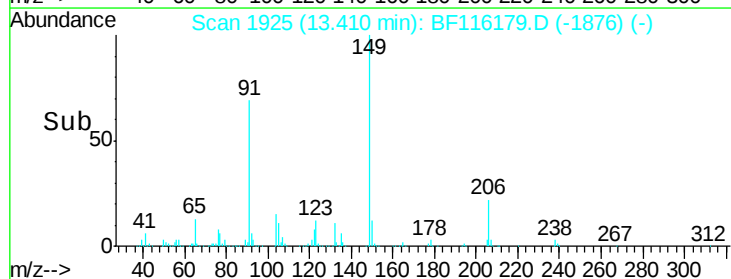
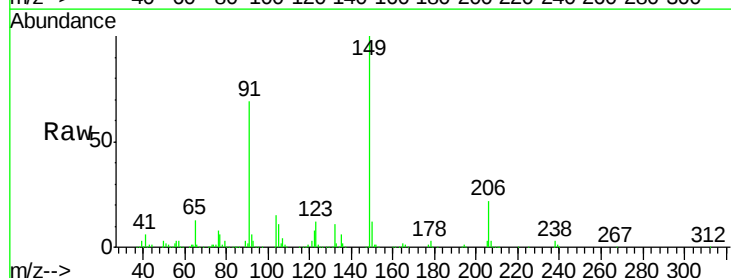
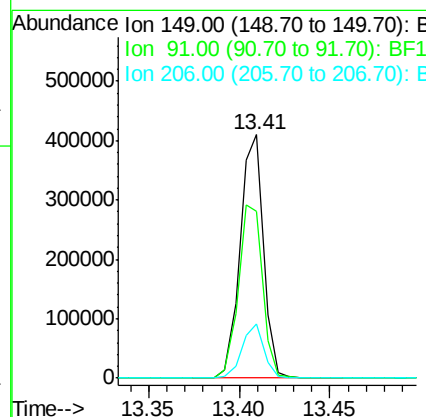
RT: 13.41 min Scan# 1925

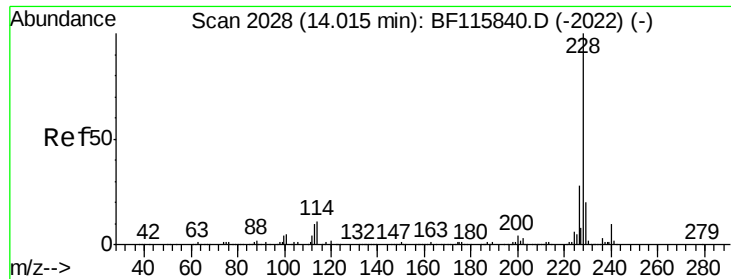
Delta R.T. -0.01 min

Lab File: BF116179.D

Acq: 11 Aug 2019 6:44

Tgt Ion:	149	Resp:	367538
Ion Ratio	Lower	Upper	
149	100		
91	68.6	56.3	84.5
206	22.1	18.0	27.0





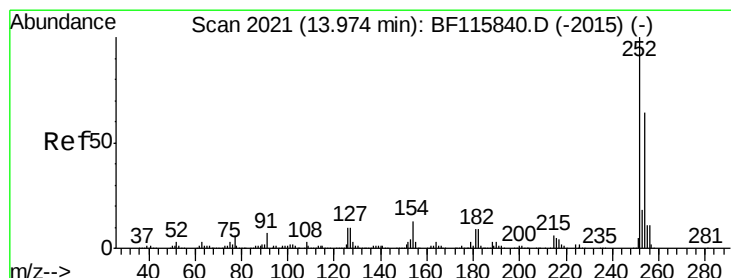
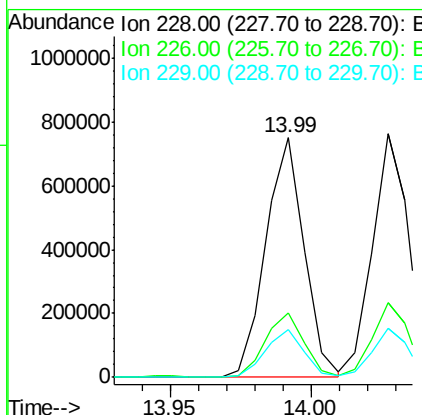
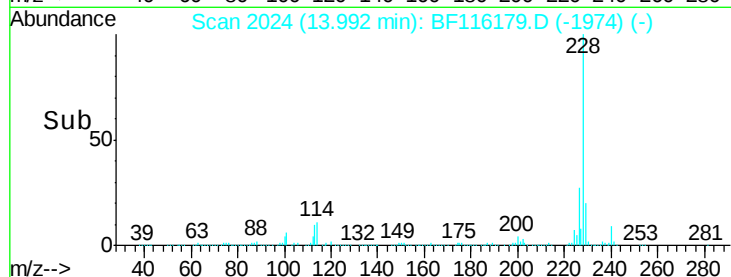
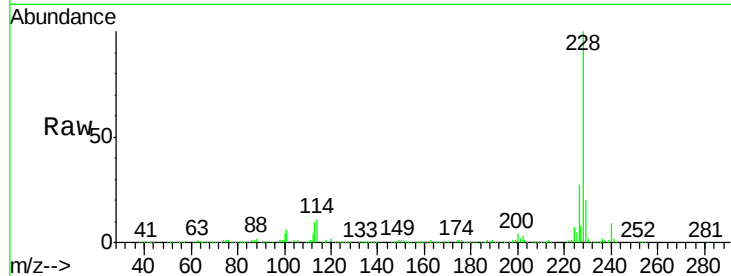
#81
Benzo(a)anthracene
Concen: 41.086 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.7	34.1
229	19.8	16.2	24.4

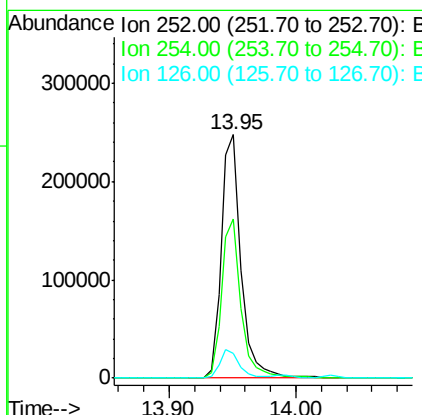
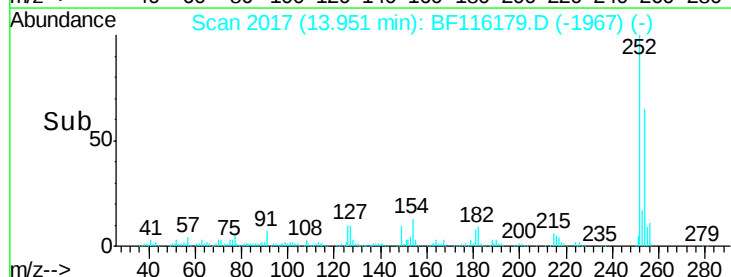
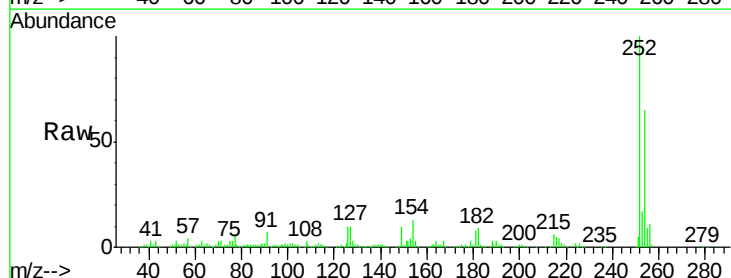
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#82
3,3'-Dichlorobenzidine
Concen: 44.912 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.5	50.9	76.3
126	10.3	9.8	14.8





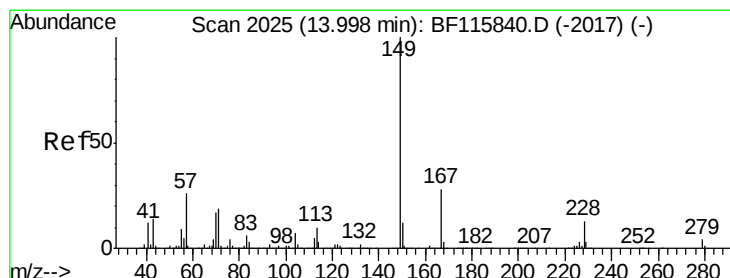
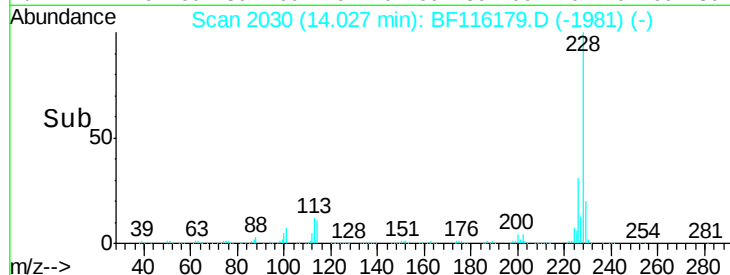
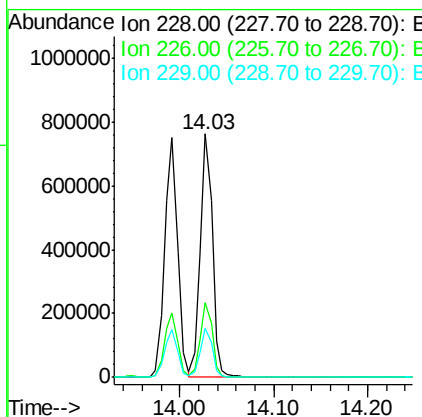
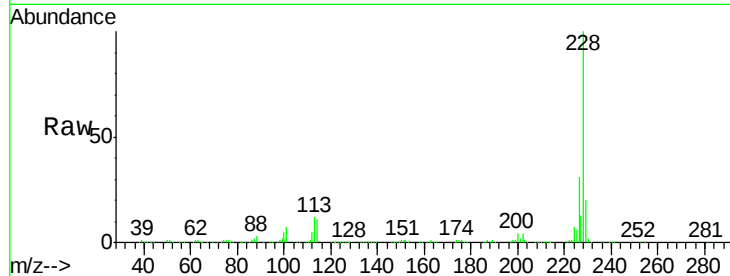
#83
 Chrvsene
 Concen: 41.299 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Instrument :
 BNA_F
 ClientSampleId :
 CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.5	38.3
229	20.1	16.6	24.8

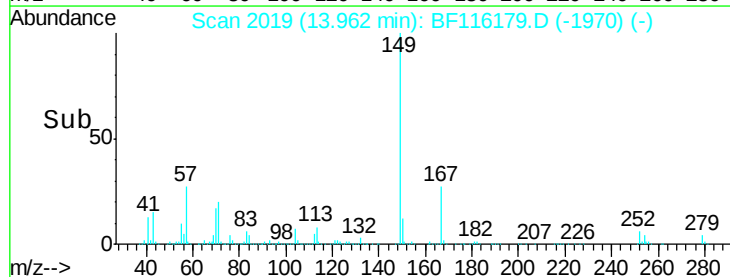
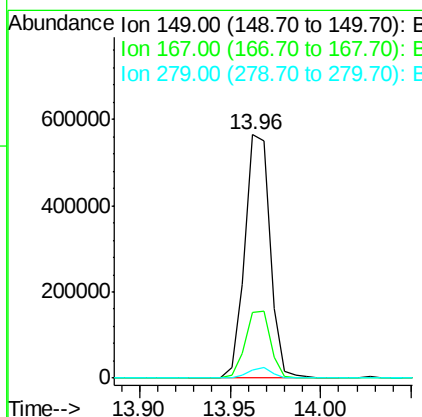
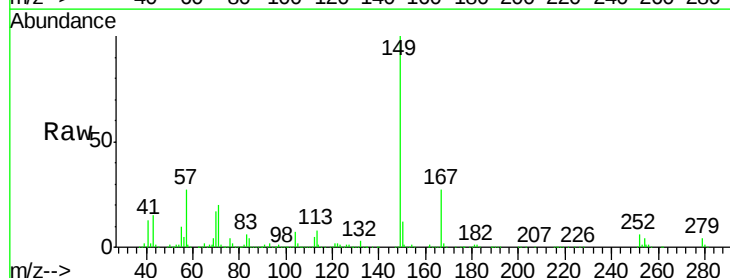
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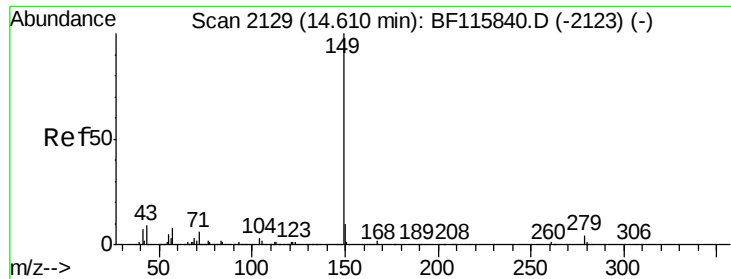
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.188 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF116179.D
 Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	3.5	3.0	4.4





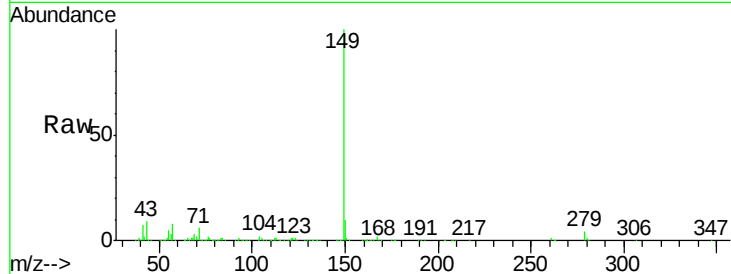
#85
Di-n-octyl phthalate
Concen: 51.839 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

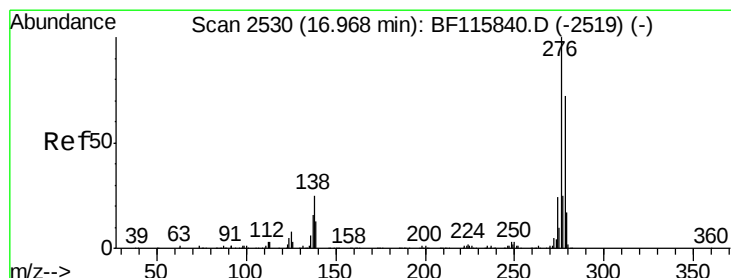
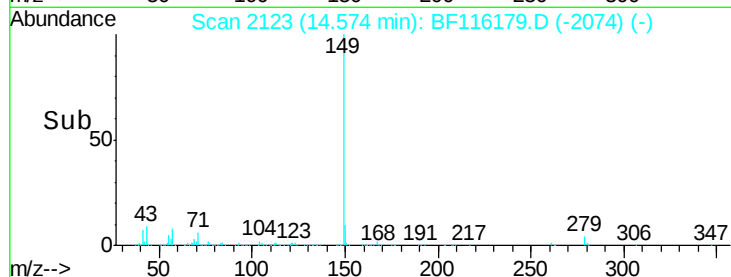
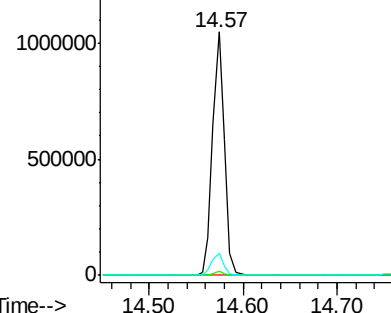
Tot Ion	Ratio	Resp	Lower	Upper
149	100	917088		
167	1.6		1.4	2.0
43	9.0		7.5	11.3

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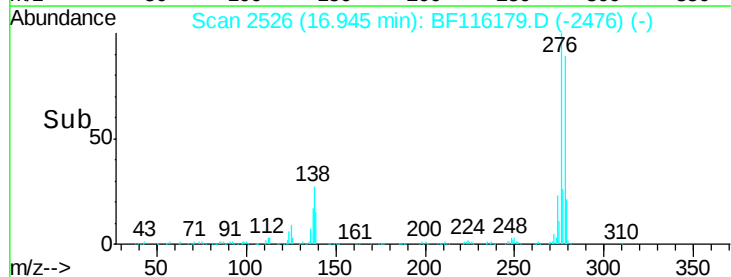
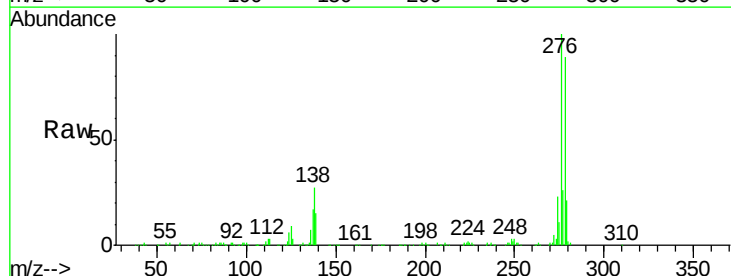
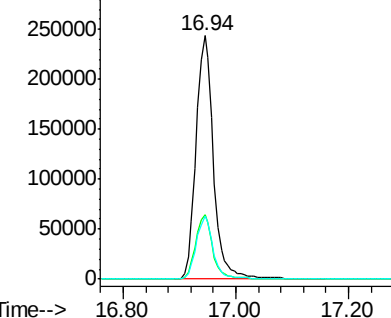
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

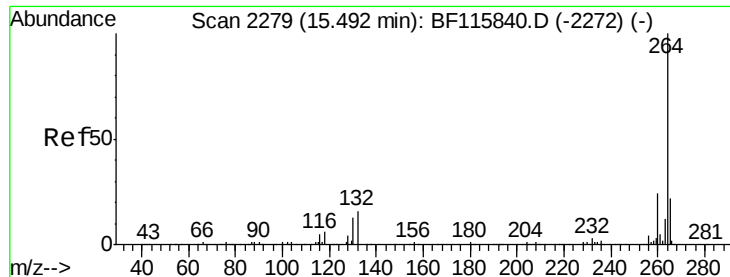


#86
Indeno(1,2,3-cd)pyrene
Concen: 37.472 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	524946		
138	25.9		20.4	30.6
277	25.1		20.0	30.0

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





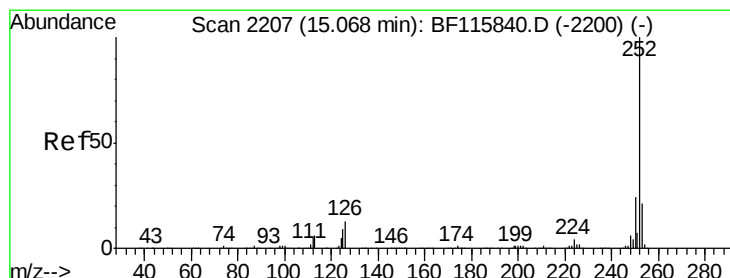
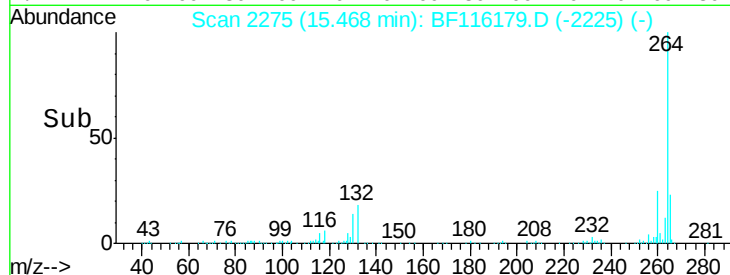
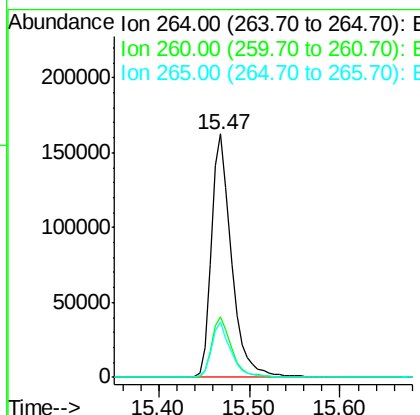
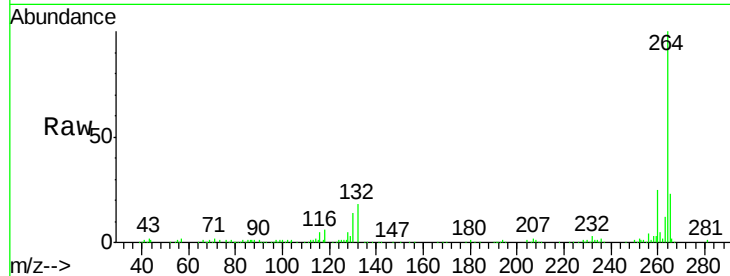
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	22.6	17.4	26.0

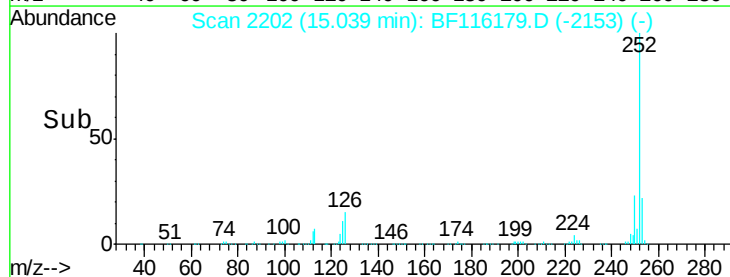
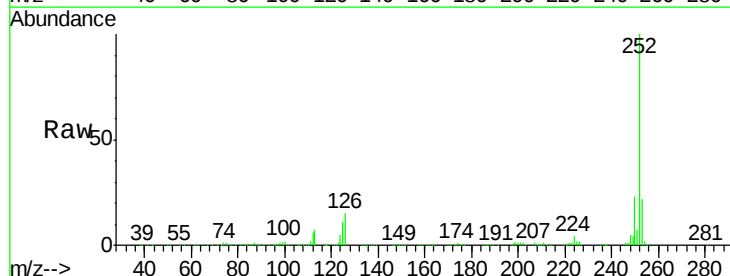
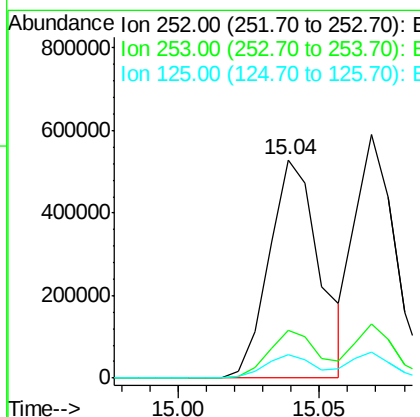
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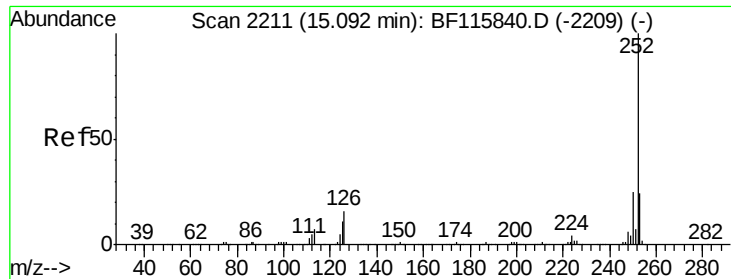
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#88
Benzo(b)fluoranthene
Concen: 45.242 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	11.0	8.4	12.6





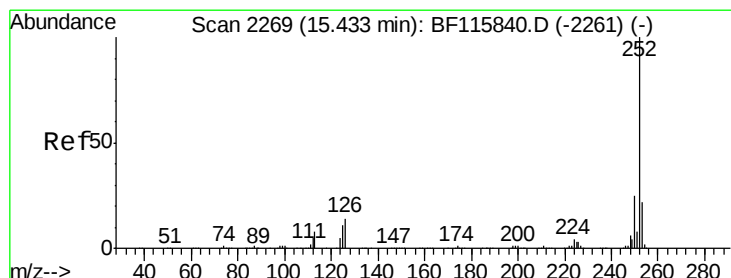
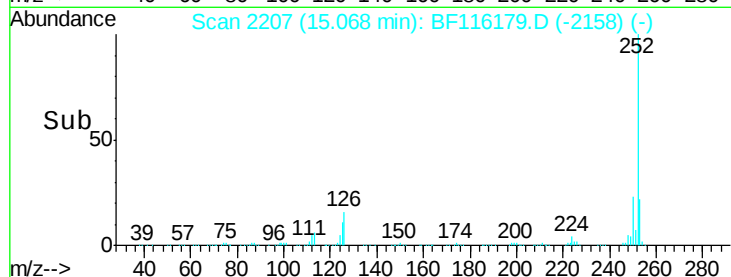
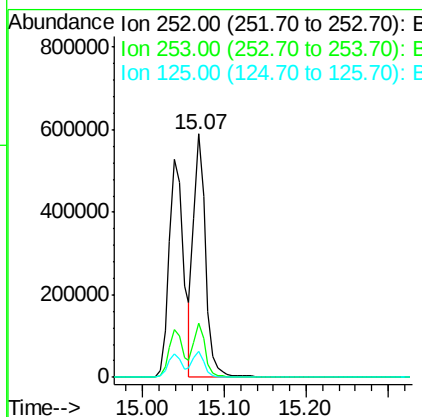
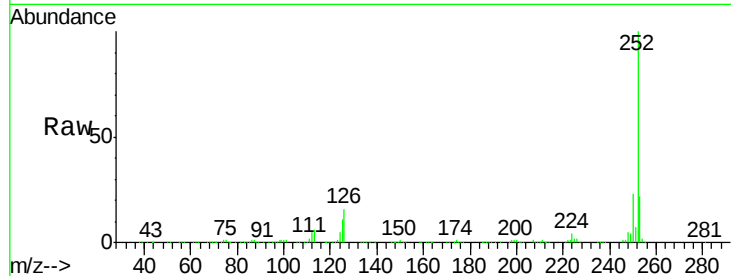
#89
Benzo(k)fluoranthene
Concen: 42.278 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.6	7.7	11.5

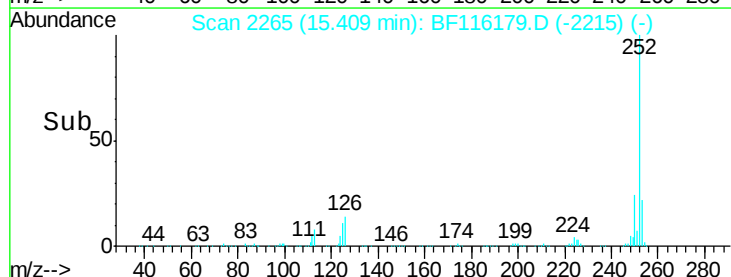
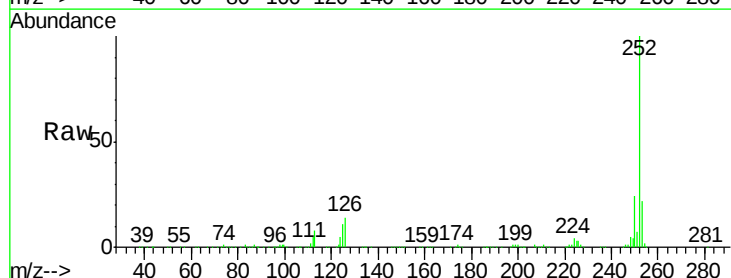
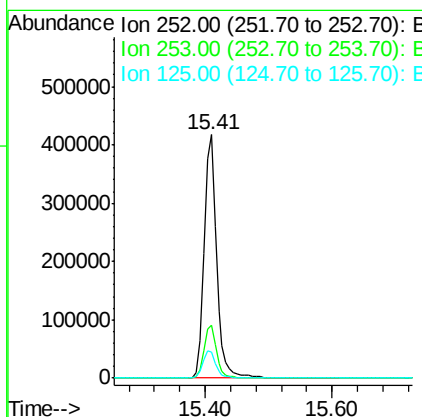
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#90
Benzo(a)pyrene
Concen: 43.825 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	10.8	8.9	13.3





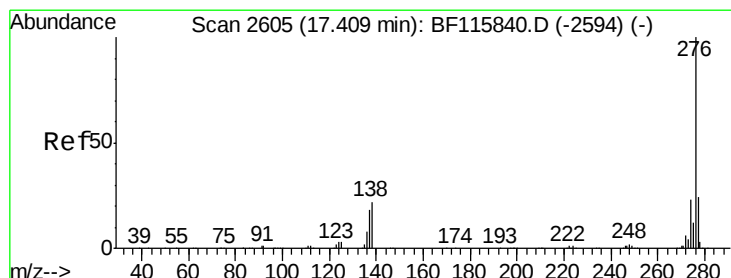
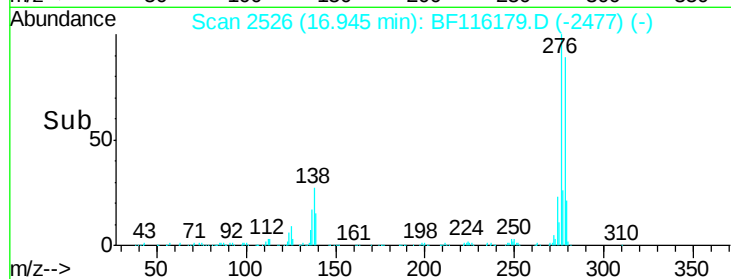
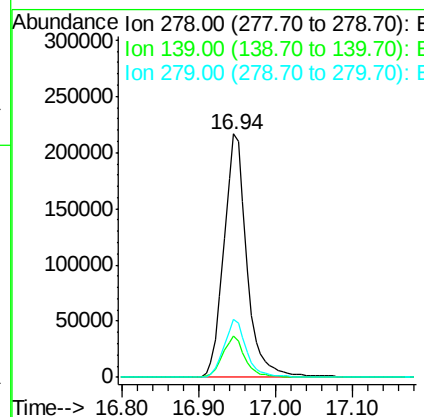
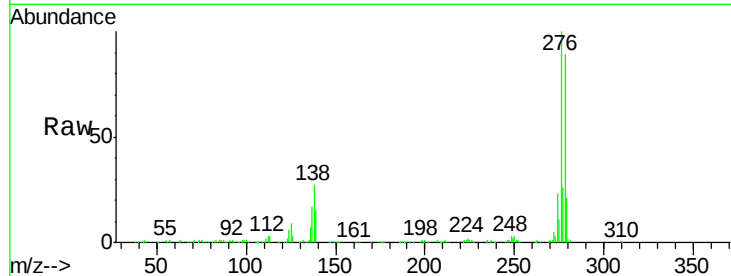
#91
Dibenzo(a,h)anthracene
Concen: 39.958 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Instrument :
BNA_F
ClientSampleId :
CP-MW2-N-12-16-SOILMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.8	19.2
279	23.7	18.8	28.2

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#92
Benzo(g,h,i)perylene
Concen: 37.916 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.01 min
Lab File: BF116179.D
Acq: 11 Aug 2019 6:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.4	27.6
138	21.1	17.0	25.6

