

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070620\
 Data File : BP002642.D
 Acq On : 06 Jul 2020 11:20
 Operator : CG/JU
 Sample : PB129899BL
 Misc : PBBL01-MDL-SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 12:00:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

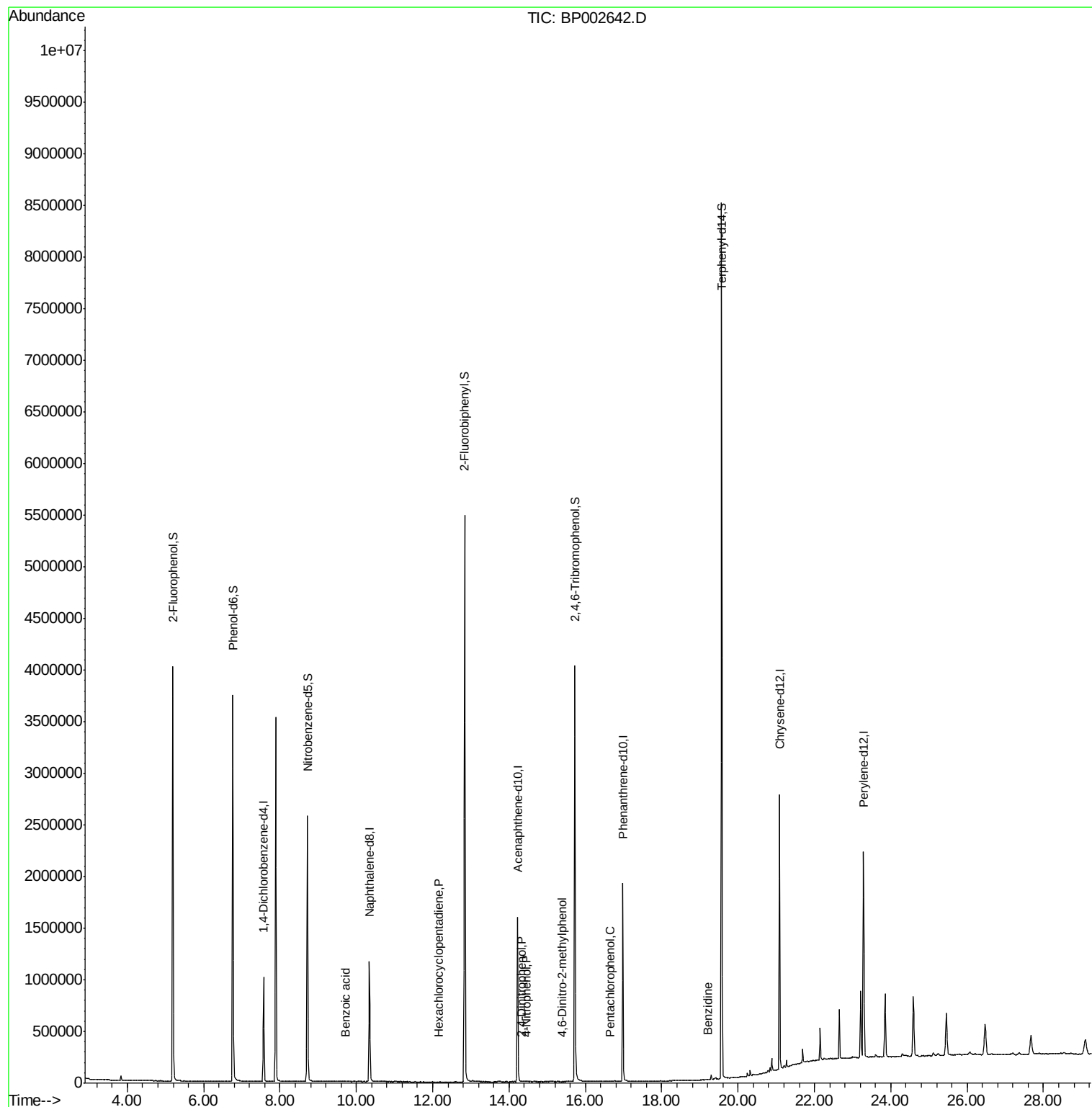
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	265857	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	991559	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	569194	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	1167693	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1260701	20.00	ng	0.00
86) Perylene-d12	23.29	264	1481226	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1842897	117.37	ng	0.00
7) Phenol-d6	6.76	99	2357739	107.58	ng	0.00
23) Nitrobenzene-d5	8.72	82	1536570	79.85	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	842531	121.70	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	3112800	80.49	ng	0.00
79) Terphenyl-d14	19.57	244	4369906	74.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.71	77	305	Below Cal	Qvalue	# 36
32) Benzoic acid	9.72	122	37	8.702 ng	#	1
41) Hexachlorocyclopentadiene	12.14	237	23	4.384 ng	#	75
54) 2,4-Dinitrophenol	14.34	184	28	6.013 ng	#	1
56) 4-Nitrophenol	14.46	139	19	2.438 ng	#	12
65) 4,6-Dinitro-2-methylphenol	15.37	198	47	2.716 ng	#	1
70) Pentachlorophenol	16.63	266	36	2.666 ng	#	46
77) Benzydine	19.22	184	619	3.767 ng	#	31

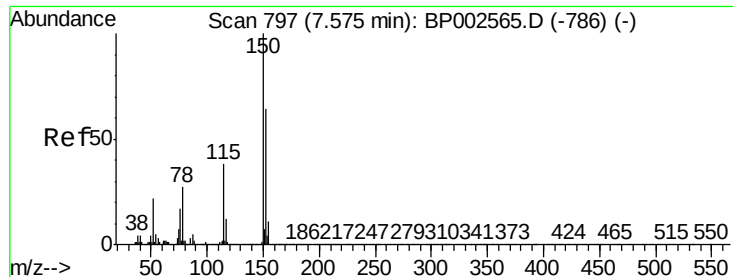
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BP002642.D
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Misc : PBBL01-MDL-SOIL
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Quant Time: Jul 06 12:00:36 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 29 16:51:57 2020
Response via : Initial Calibration



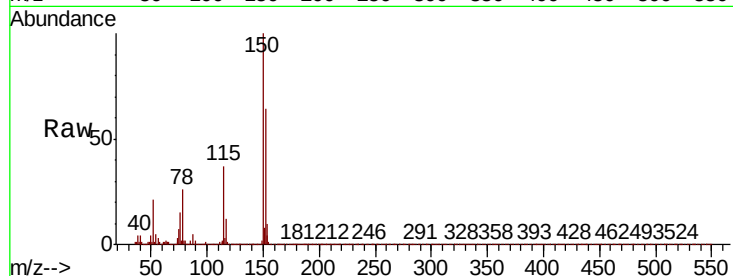


#1

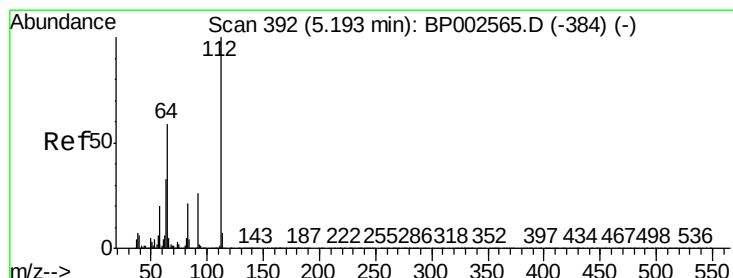
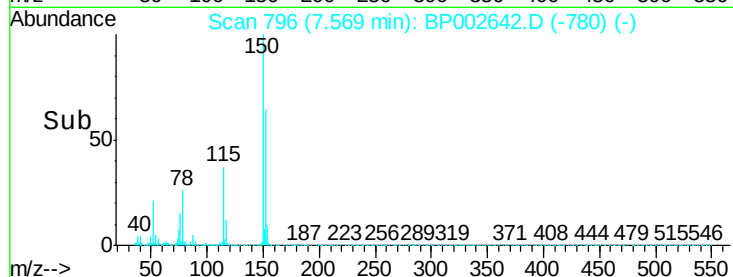
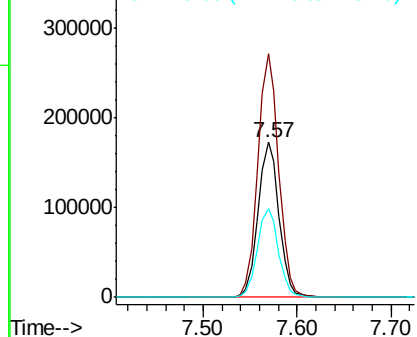
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002642.D
Acq: 06 Jul 2020 11:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.2	186.2
115	57.8	47.1	70.7



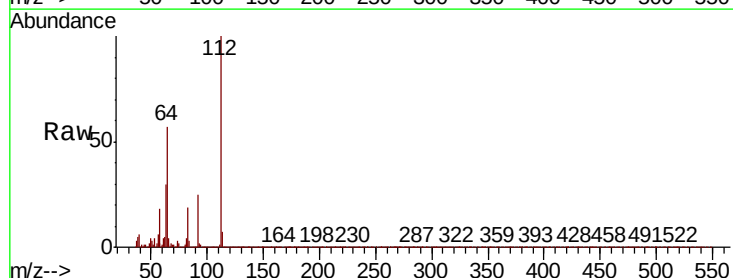
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



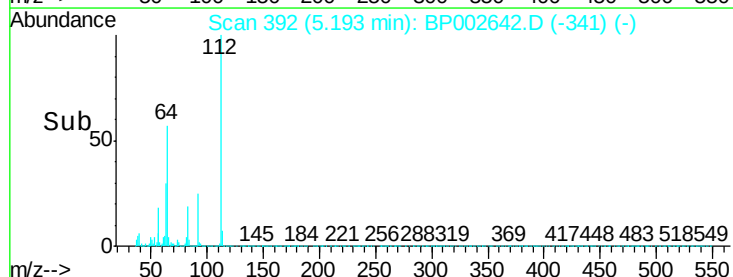
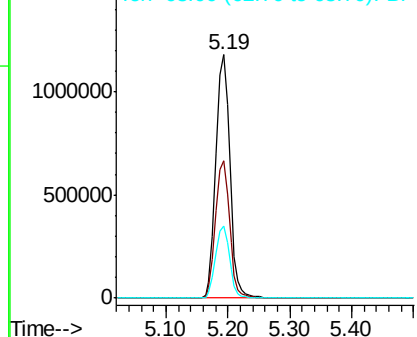
#5

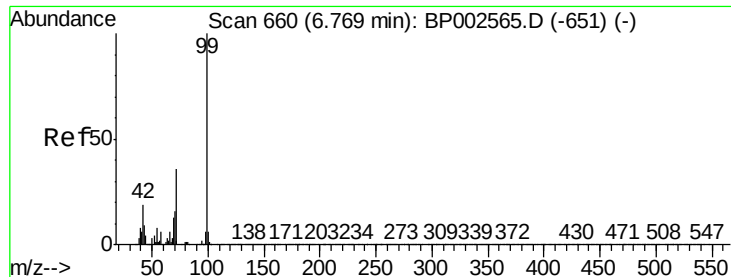
2-Fluorophenol
Concen: 117.365 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002642.D
Acq: 06 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.0	70.6
63	29.6	26.1	39.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 107.579 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002642.D

Acq: 06 Jul 2020 11:20

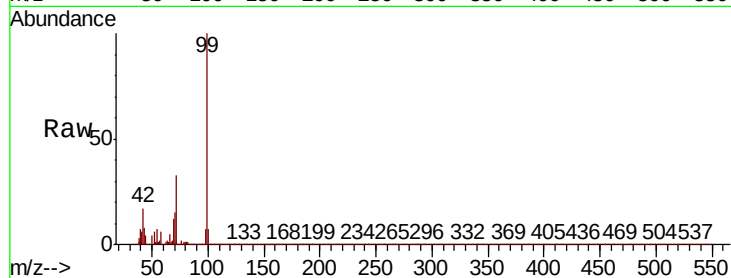
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2357739

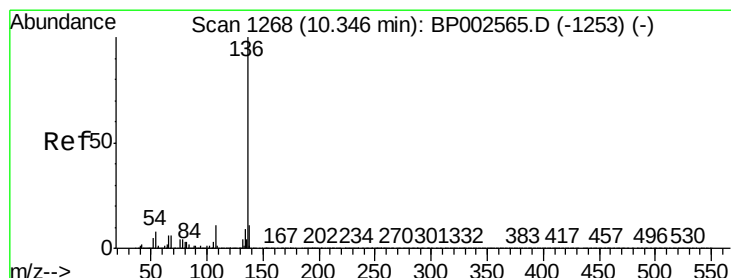
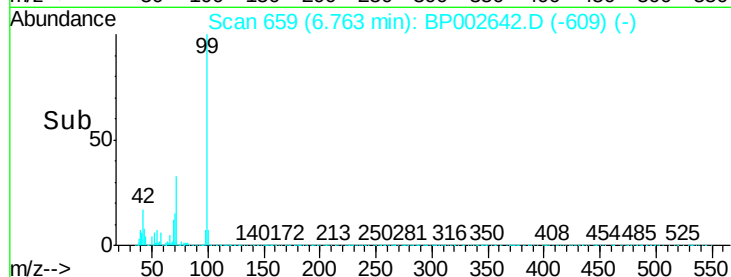
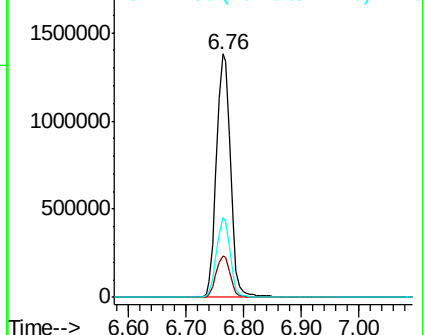
Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.5	23.3
71	32.7	28.9	43.3



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

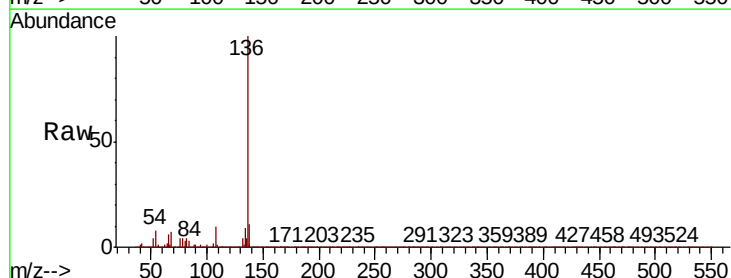
Delta R.T. -0.01 min

Lab File: BP002642.D

Acq: 06 Jul 2020 11:20

Tgt Ion: 136 Resp: 991559

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.4	6.4	9.6
68	6.9	5.1	7.7

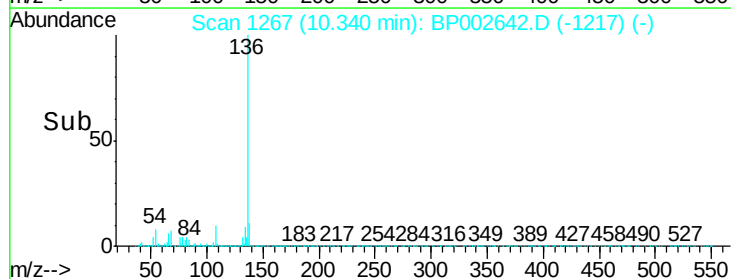
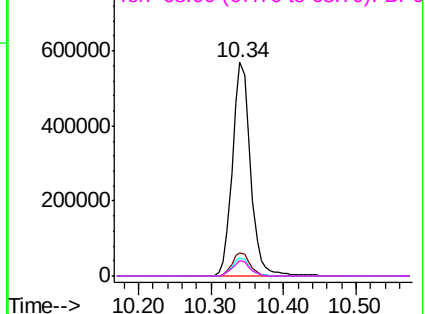


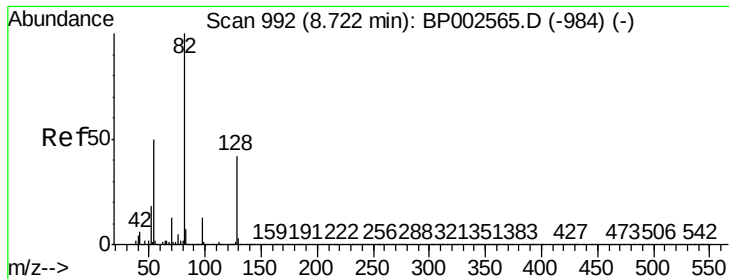
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

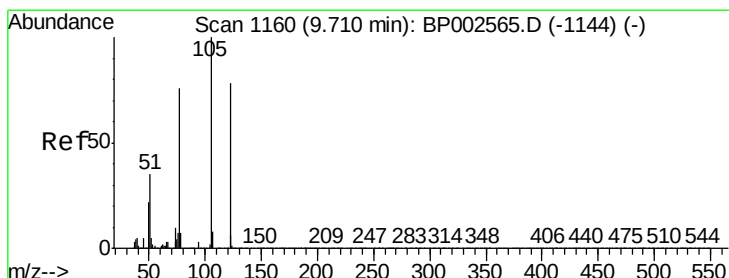
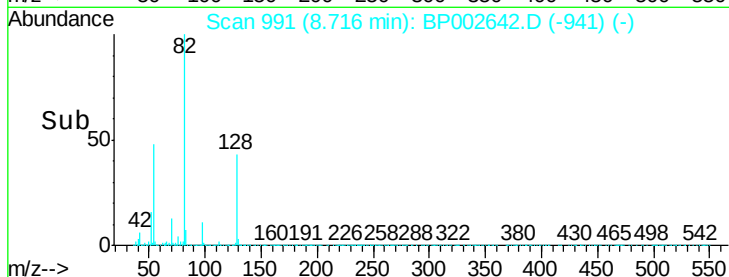
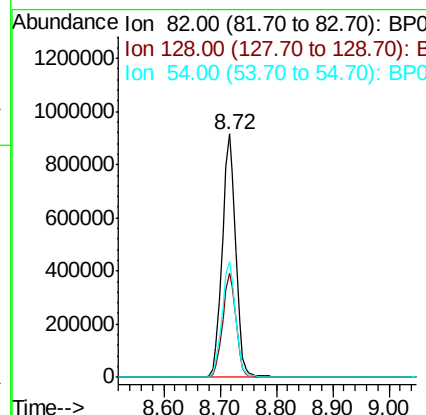
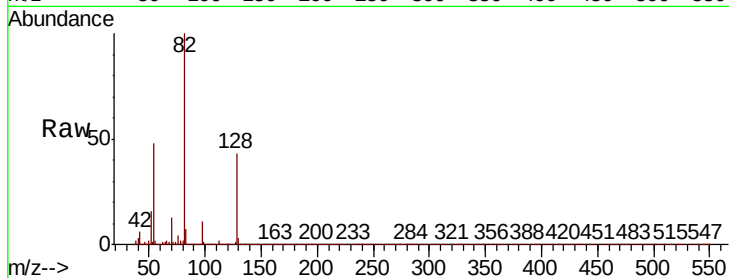




#23
 Nitrobenzene-d5
 Concen: 79.846 ng
 RT: 8.72 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BP002642.D
 Acq: 06 Jul 2020 11:20

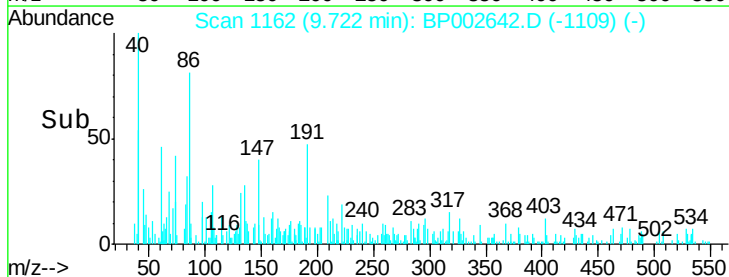
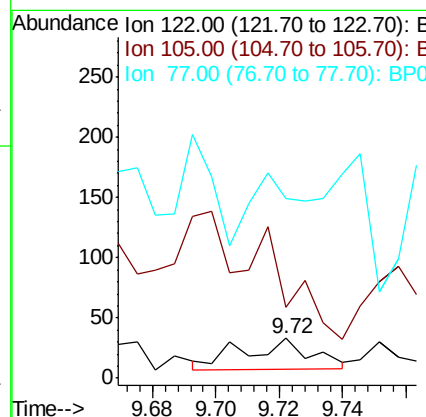
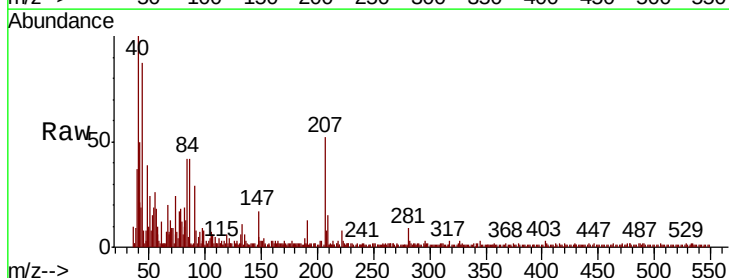
Instrument :
 BNA_F
 ClientSampled :

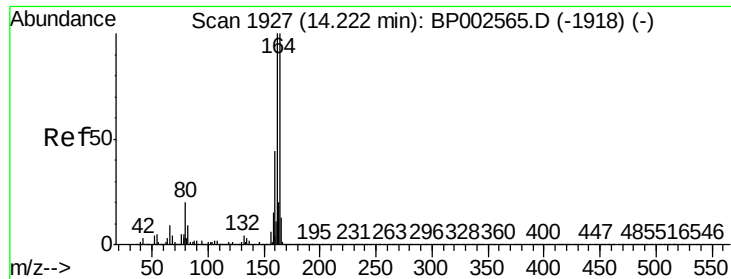
Tot Ion: 82 Resp: 1536570
 Ion Ratio Lower Upper
 82 100
 128 42.7 33.4 50.2
 54 47.6 40.1 60.1



#32
 Benzoic acid
 Concen: 8.702 ng
 RT: 9.72 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BP002642.D
 Acq: 06 Jul 2020 11:20

Tgt Ion: 122 Resp: 37
 Ion Ratio Lower Upper
 122 100
 105 178.8 106.6 146.6#
 77 451.5 76.5 116.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BP002642.D

Acq: 06 Jul 2020 11:20

Instrument :

BNA_F

ClientSampled :

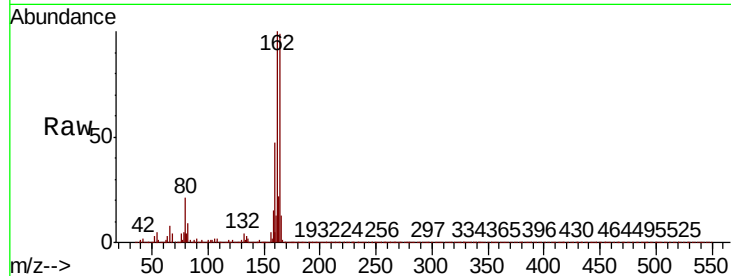
Tot Ion:164 Resp: 569194

Ion Ratio Lower Upper

164 100

162 101.1 80.3 120.5

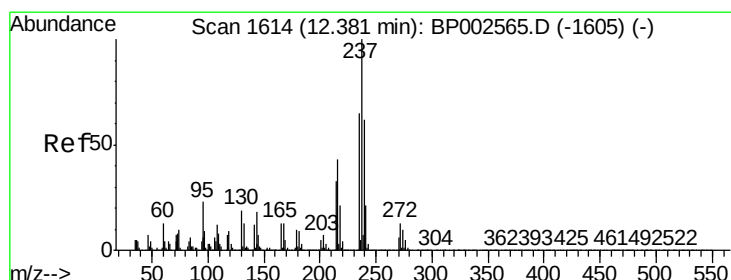
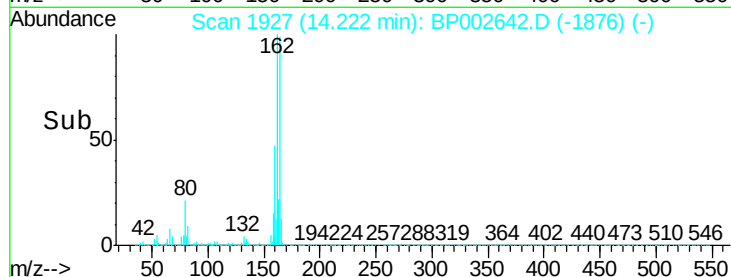
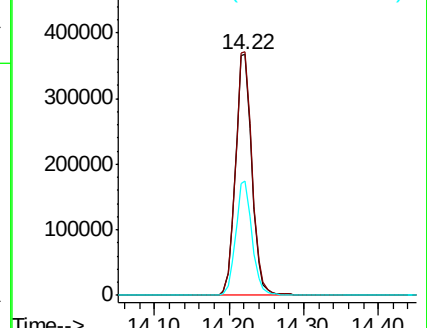
160 47.3 35.0 52.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 4.384 ng

RT: 12.14 min Scan# 1573

Delta R.T. -0.24 min

Lab File: BP002642.D

Acq: 06 Jul 2020 11:20

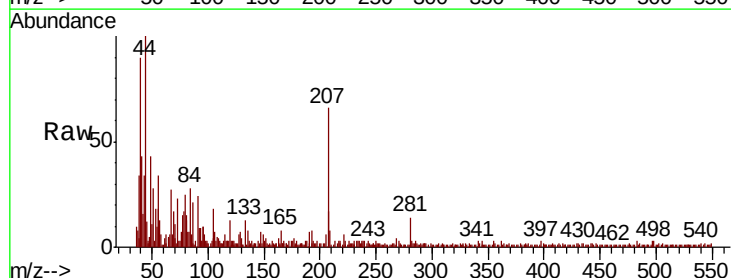
Tgt Ion:237 Resp: 23

Ion Ratio Lower Upper

237 100

235 48.8 45.4 85.4

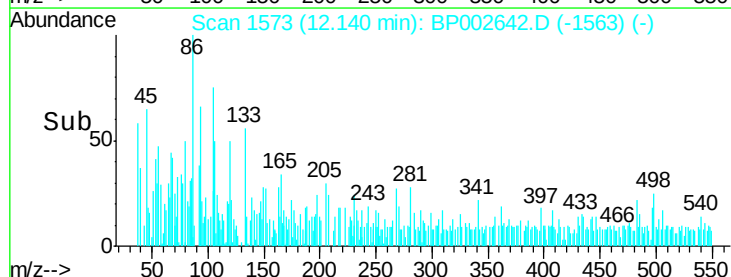
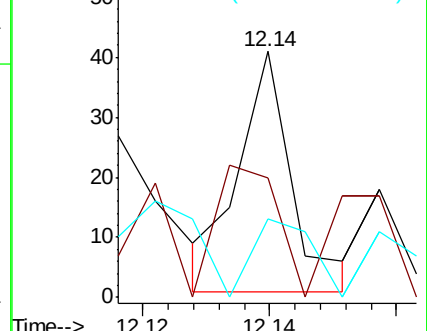
272 31.7 0.0 32.6

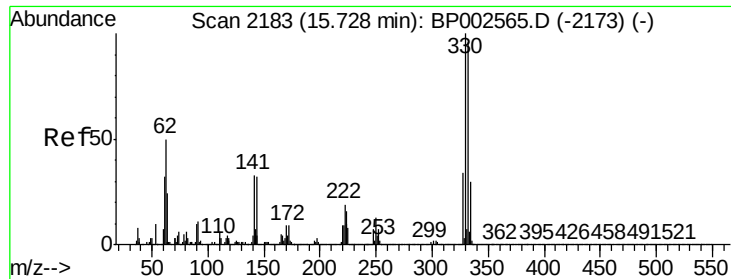


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

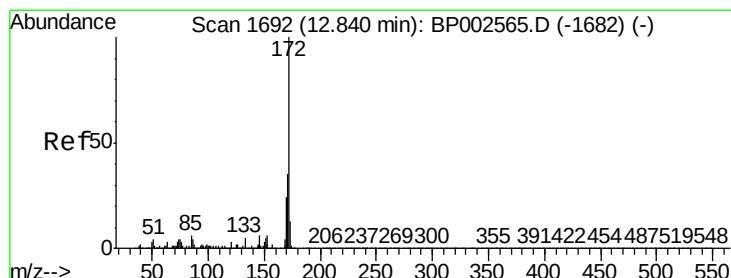
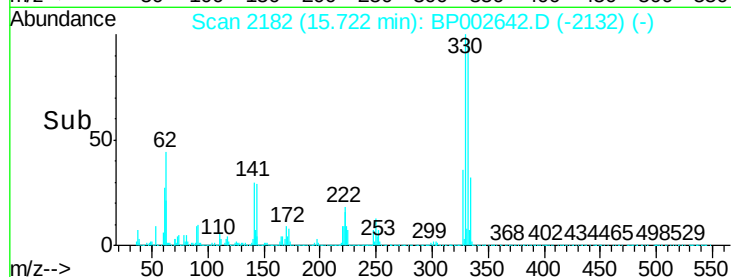
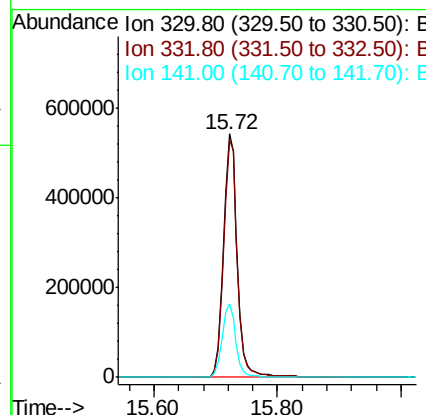
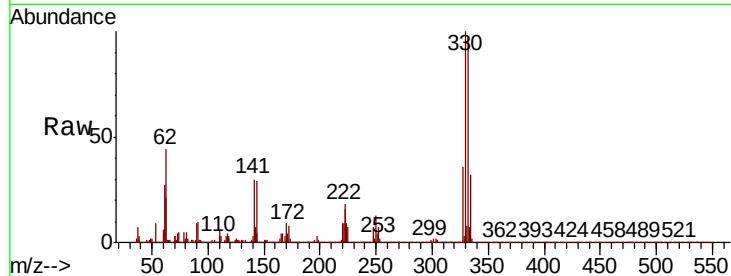




#42
2,4,6-Tribromophenol
Concen: 121.700 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002642.D
Acq: 06 Jul 2020 11:20

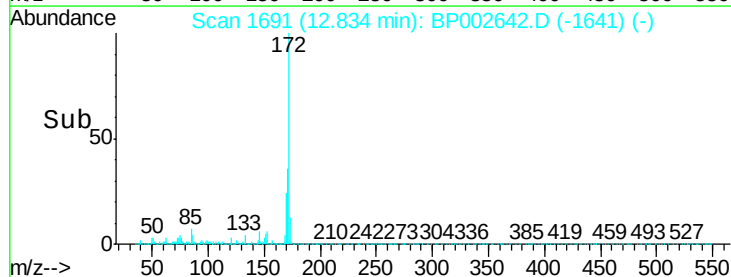
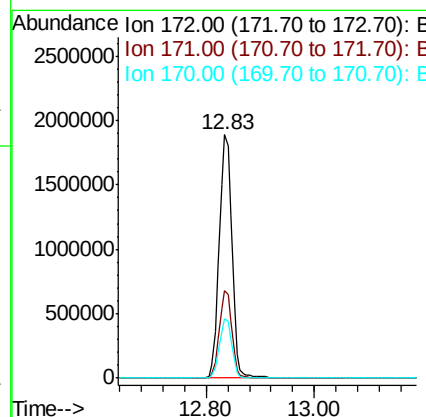
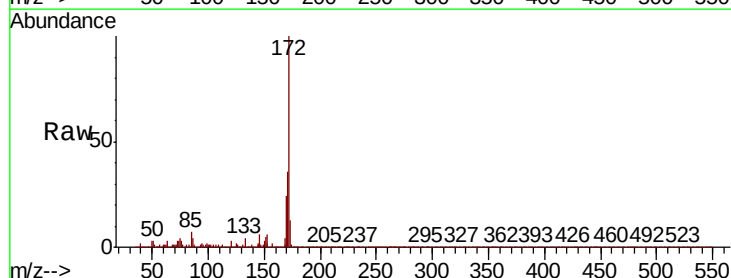
Instrument :
BNA_F
ClientSampleId :

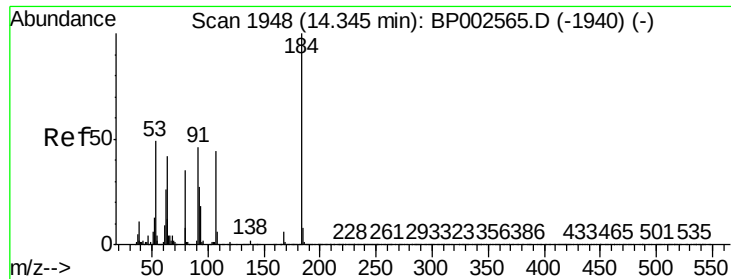
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.7	116.5
141	29.9	29.0	43.6



#45
2-Fluorobiphenyl
Concen: 80.491 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002642.D
Acq: 06 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.0	42.0
170	24.3	19.0	28.4

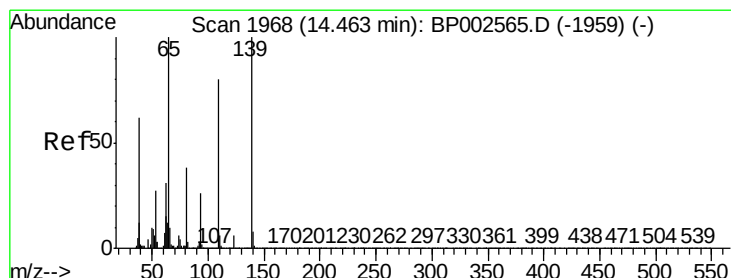
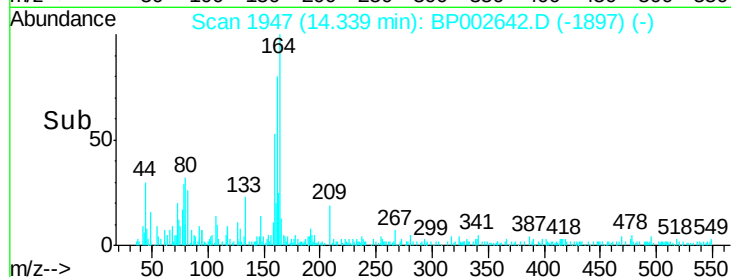
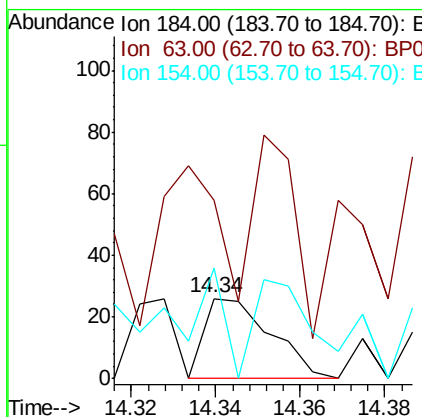
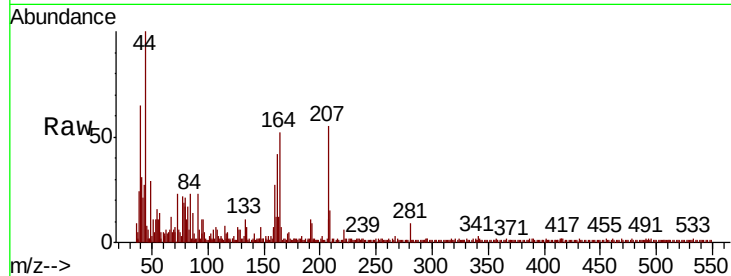




#54
 2,4-Dinitrophenol
 Concen: 6.013 ng
 RT: 14.34 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BP002642.D
 Acq: 06 Jul 2020 11:20

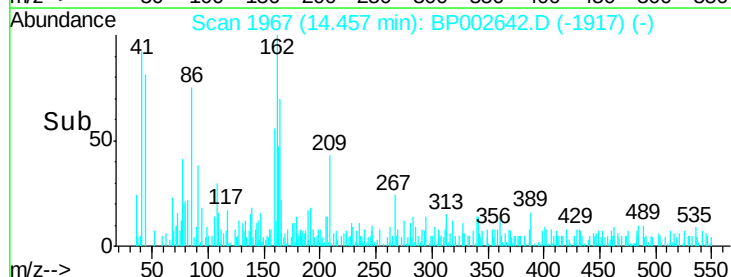
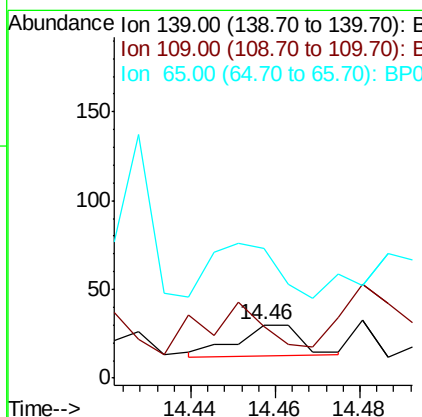
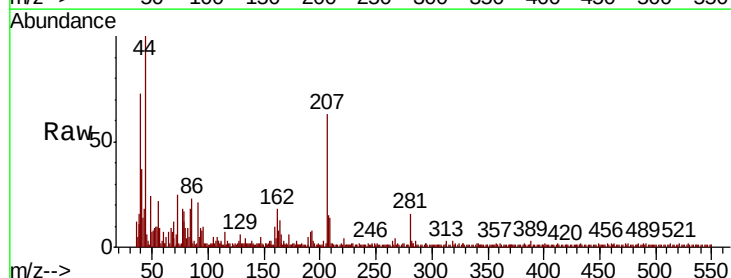
Instrument :
 BNA_F
 ClientSampleId :

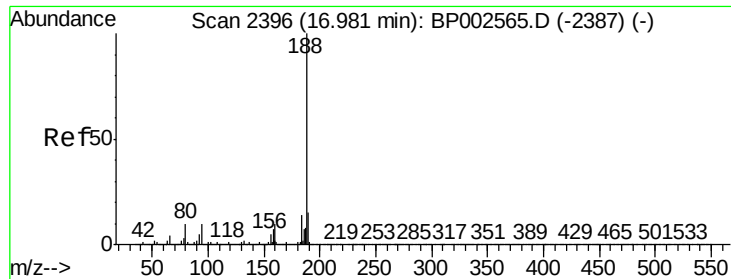
Tot Ion:184 Resp: 28
 Ion Ratio Lower Upper
 184 100
 63 223.1 56.2 84.2#
 154 138.5 50.9 76.3#



#56
 4-Nitrophenol
 Concen: 2.438 ng
 RT: 14.46 min Scan# 1967
 Delta R.T. -0.01 min
 Lab File: BP002642.D
 Acq: 06 Jul 2020 11:20

Tgt Ion:139 Resp: 19
 Ion Ratio Lower Upper
 139 100
 109 96.7 60.1 100.1
 65 243.3 80.3 120.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.98 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BP002642.D

Acq: 06 Jul 2020 11:20

Instrument :

BNA_F

ClientSampleId :

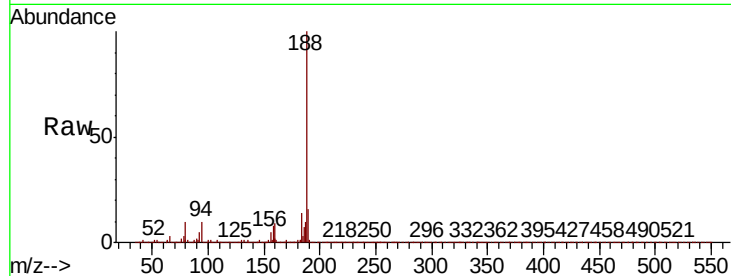
Tot Ion:188 Resp: 1167693

Ion Ratio Lower Upper

188 100

94 9.5 7.8 11.6

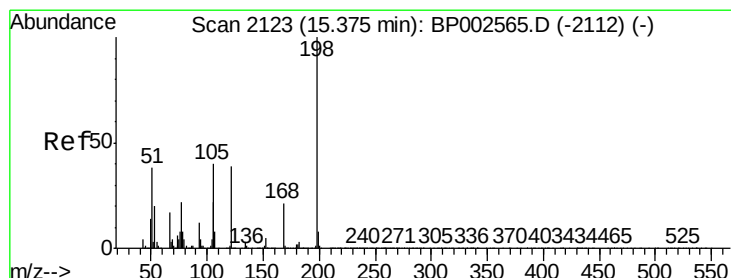
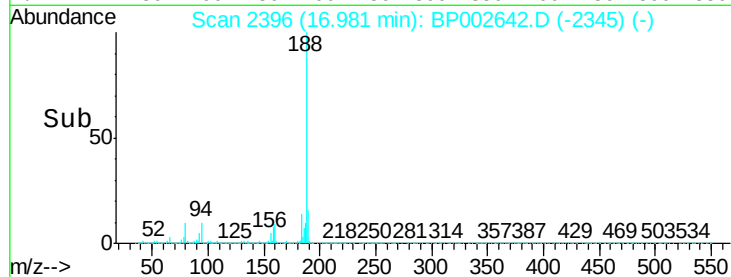
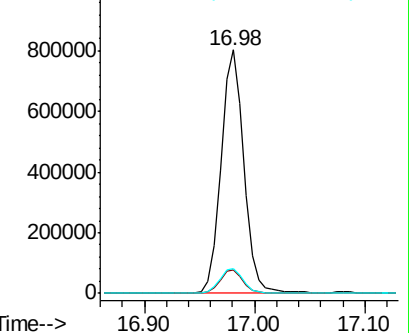
80 10.2 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#65

4,6-Dinitro-2-methylphenol

Concen: 2.716 ng

RT: 15.37 min Scan# 2123

Delta R.T. 0.00 min

Lab File: BP002642.D

Acq: 06 Jul 2020 11:20

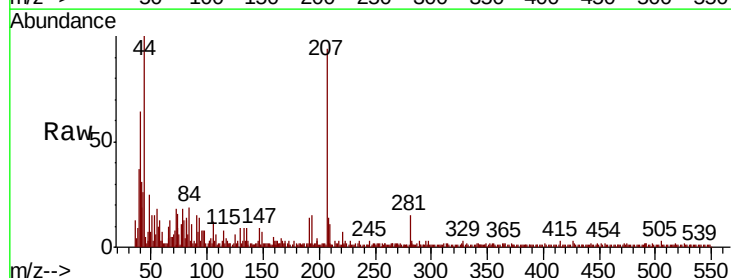
Tgt Ion:198 Resp: 47

Ion Ratio Lower Upper

198 100

51 229.5 24.2 64.2#

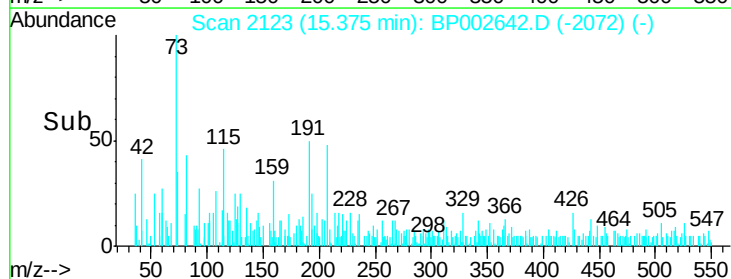
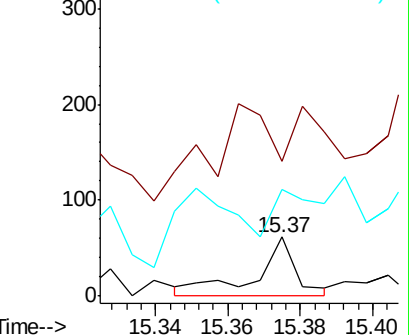
105 182.0 20.7 60.7#

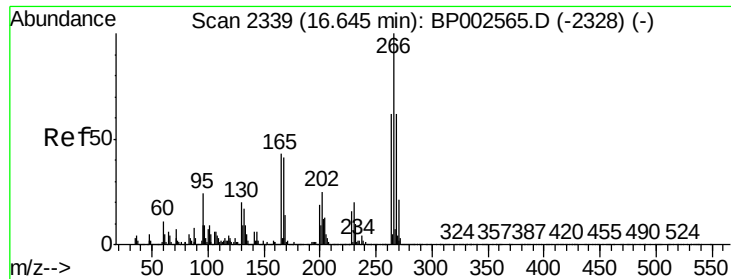


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

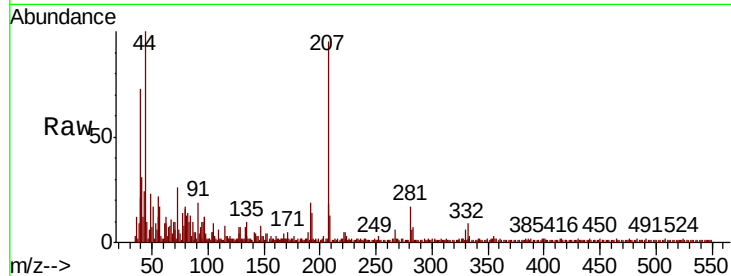




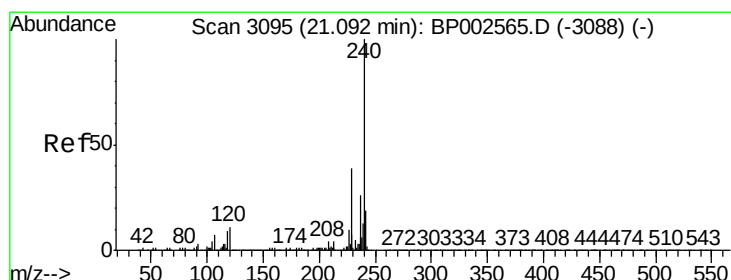
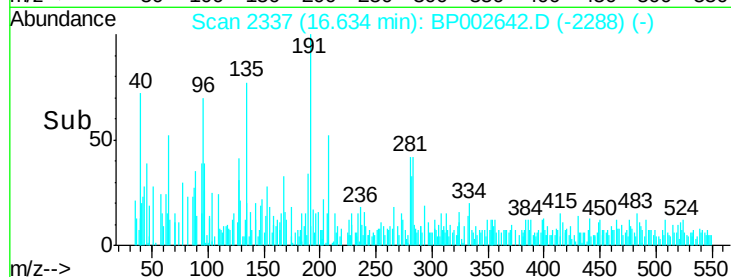
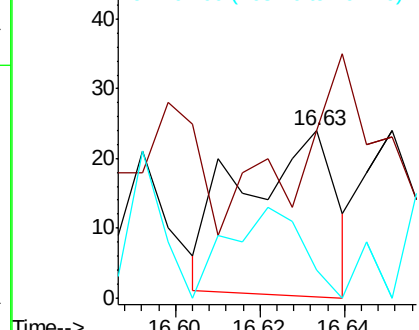
#70
Pentachlorophenol
Concen: 2.666 ng
RT: 16.63 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BP002642.D
Acq: 06 Jul 2020 11:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	100.0	49.7	74.5#
264	16.7	49.3	73.9#

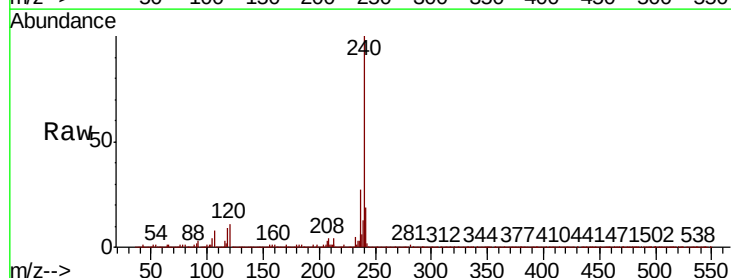


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

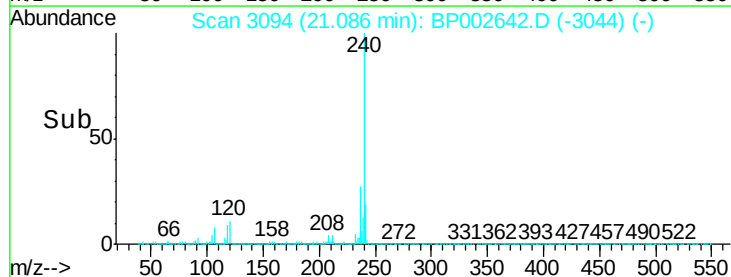
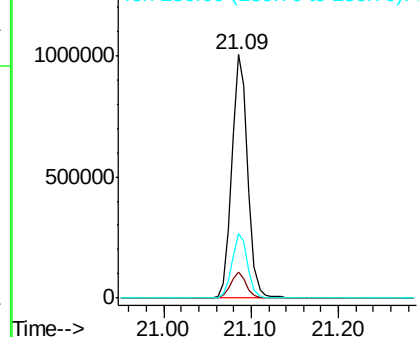


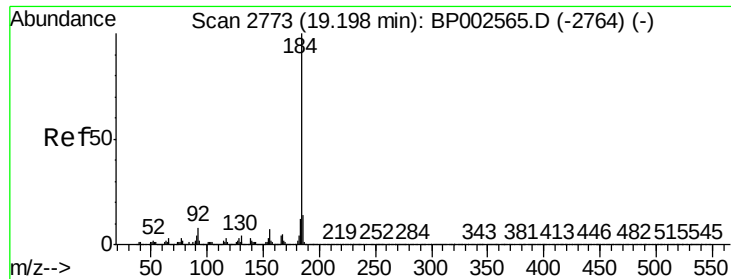
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002642.D
Acq: 06 Jul 2020 11:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	26.5	20.8	31.2



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: 3.767 ng

RT: 19.22 min Scan# 2776

Delta R.T. 0.02 min

Lab File: BP002642.D

Acq: 06 Jul 2020 11:20

Instrument :

BNA_F

ClientSampleId :

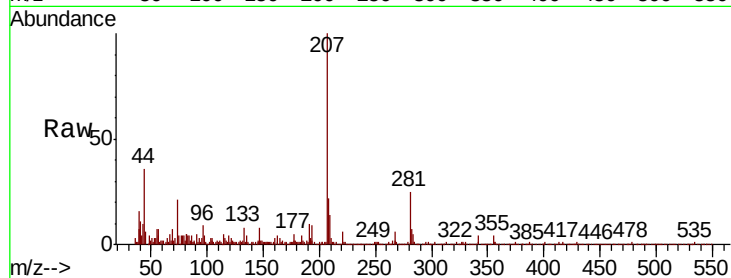
Tot Ion:184 Resp: 619

Ion Ratio Lower Upper

184 100

185 50.2 11.4 17.2#

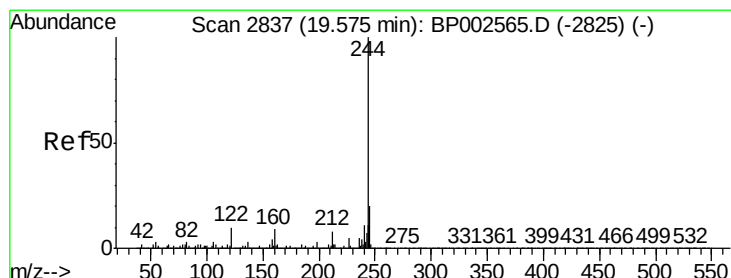
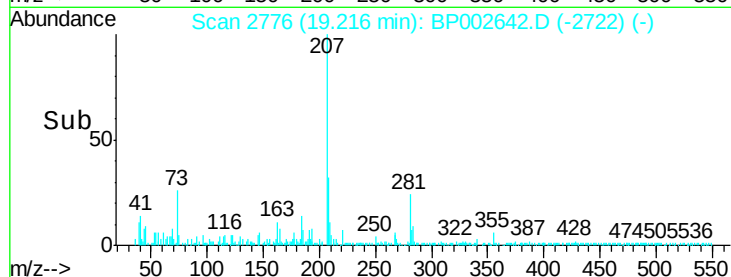
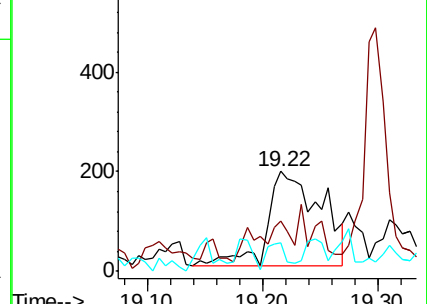
183 28.9 9.2 13.8#



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



#79

Terphenyl-d14

Concen: 74.819 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002642.D

Acq: 06 Jul 2020 11:20

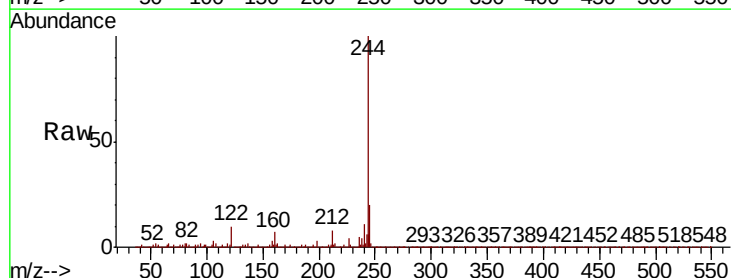
Tgt Ion:244 Resp: 4369906

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

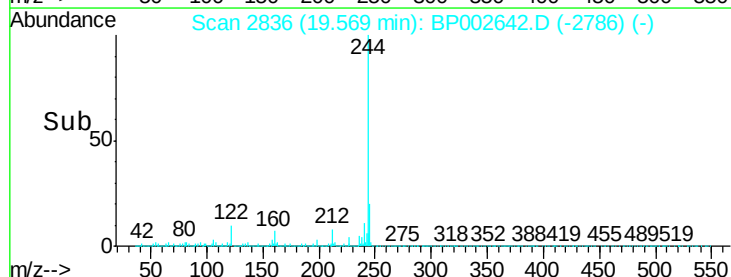
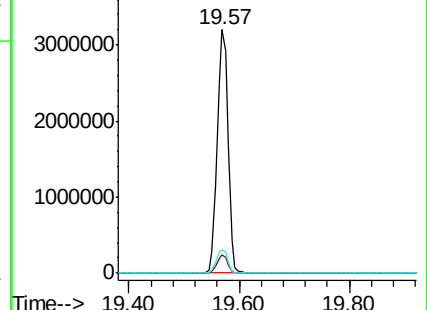
122 9.9 7.9 11.9

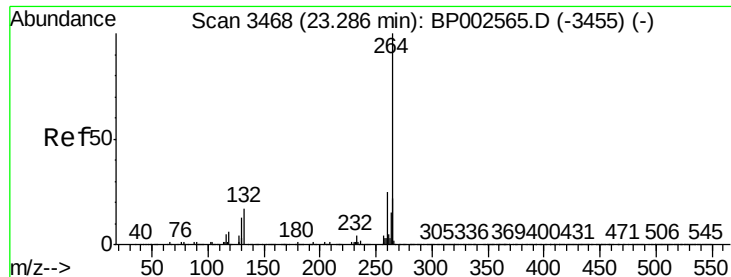


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BP002642.D
Acq: 06 Jul 2020 11:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1481226

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.7	29.5
265	21.2	17.6	26.4

