

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070620\
 Data File : BP002644.D
 Acq On : 06 Jul 2020 12:28
 Operator : CG/JU
 Sample : PB129539BL
 Misc : PBBL02-MDL-WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 14:42:50 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

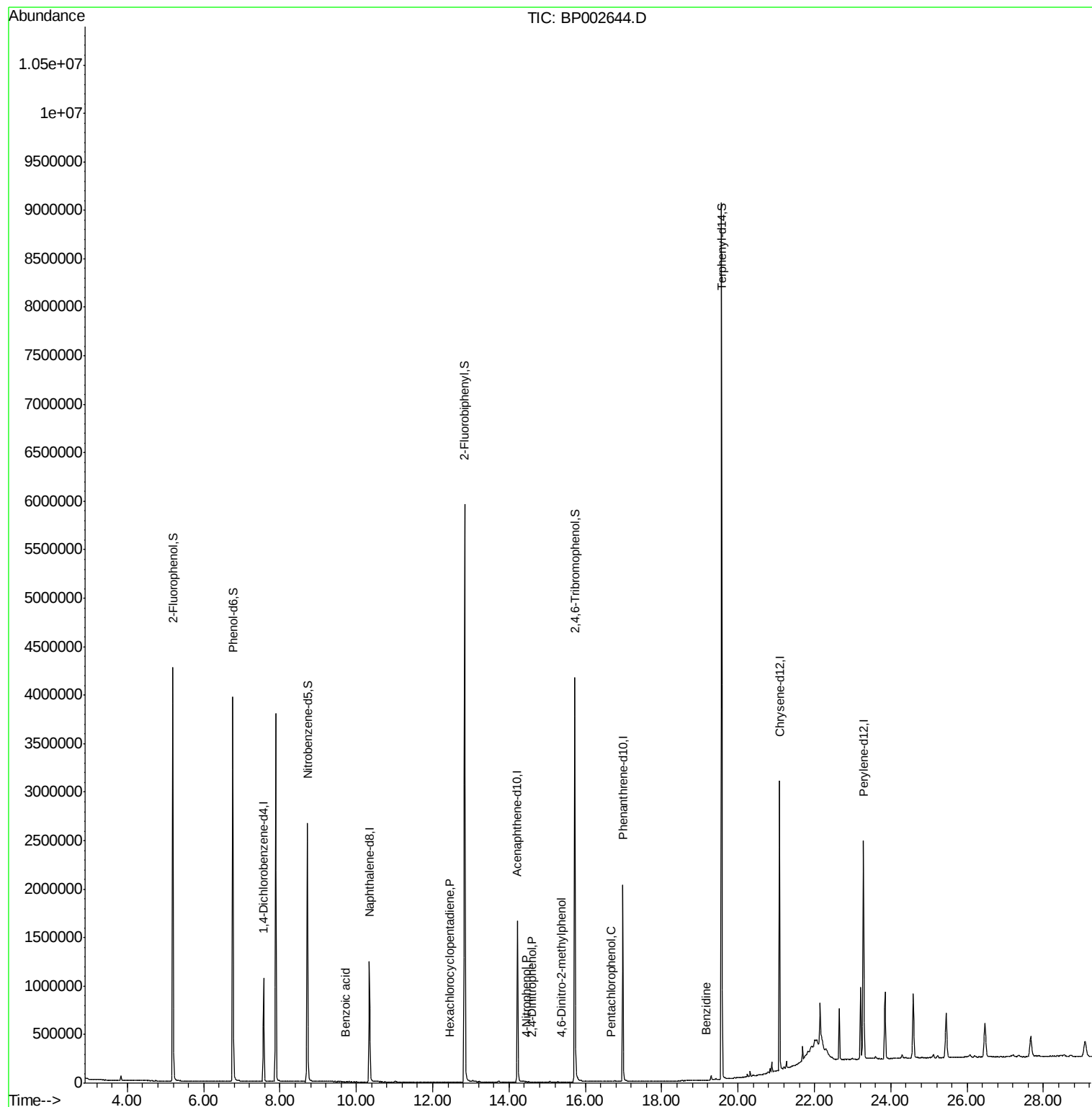
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	290947	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1057469	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	605939	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	1275169	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1380474	20.00	ng	0.00
86) Perylene-d12	23.28	264	1658431	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1968964	114.58	ng	0.00
7) Phenol-d6	6.76	99	2516194	104.91	ng	0.00
23) Nitrobenzene-d5	8.72	82	1607486	78.32	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	956356	129.76	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	3335311	81.02	ng	0.00
79) Terphenyl-d14	19.57	244	4797076	75.01	ng	0.00
Target Compounds						
32) Benzoic acid	9.72	122	32	8.702	ng	Qvalue # 1
41) Hexachlorocyclopentadiene	12.44	237	14	4.383	ng	85
54) 2,4-Dinitrophenol	14.60	184	11	6.011	ng	91
56) 4-Nitrophenol	14.46	139	31	2.439	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.36	198	22	2.712	ng	# 1
70) Pentachlorophenol	16.66	266	42	2.666	ng	# 53
77) Benzidine	19.16	184	21	3.756	ng	# 1

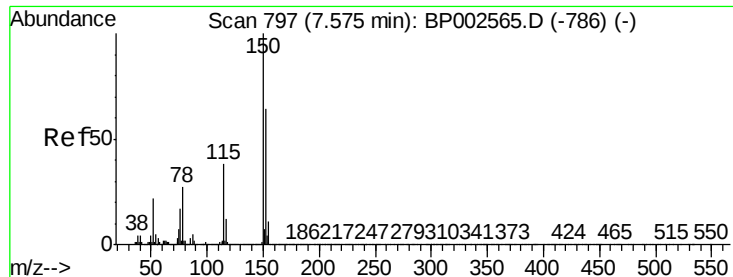
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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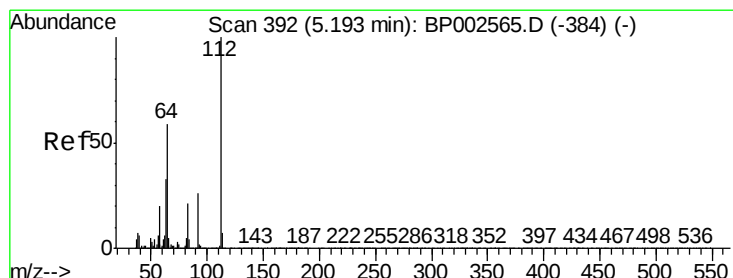
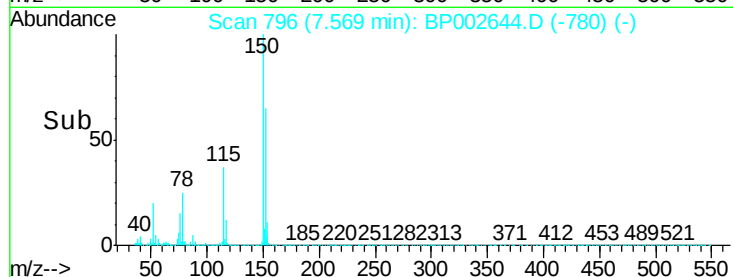
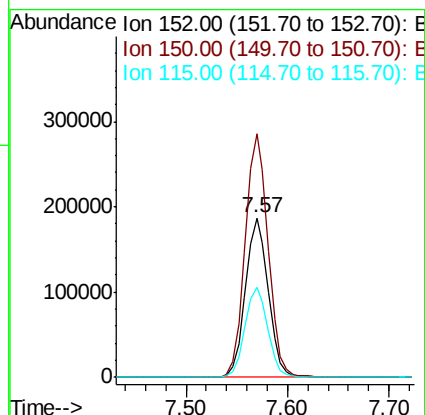
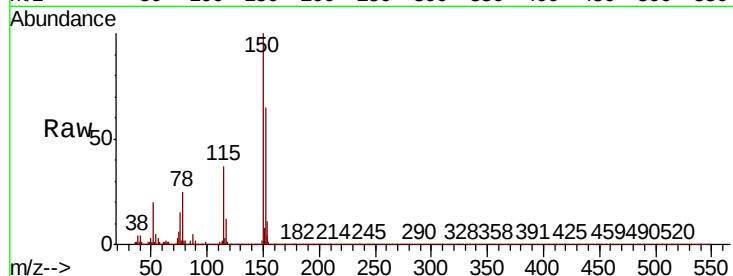


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002644.D
Acq: 06 Jul 2020 12:28

Instrument :
BNA_F
ClientSampleId :

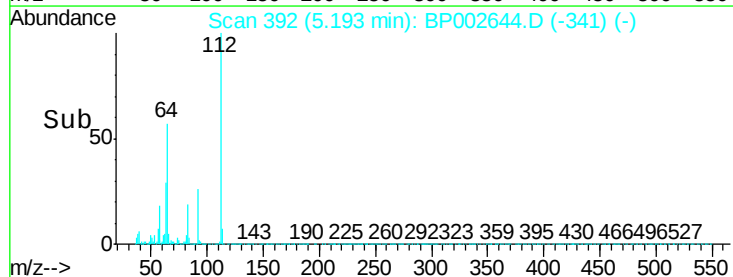
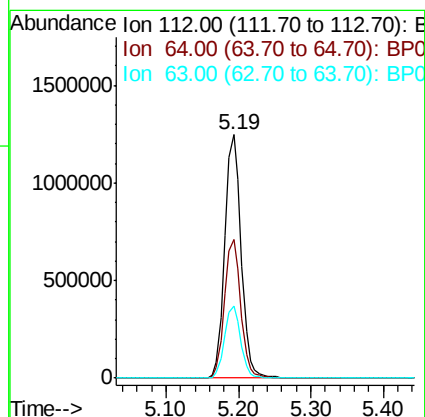
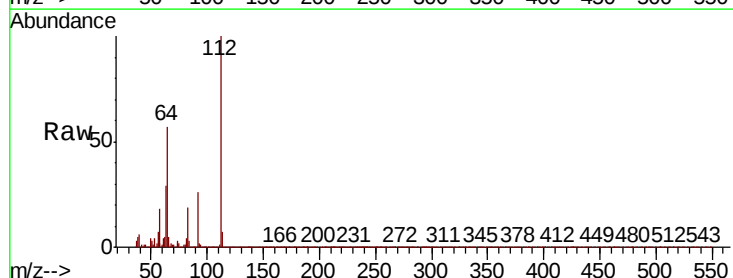
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.2	186.2
115	56.4	47.1	70.7

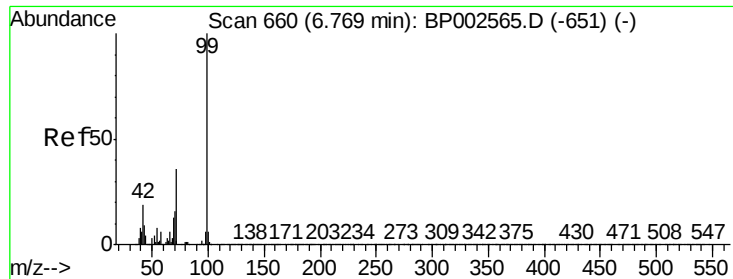


#5

2-Fluorophenol
Concen: 114.580 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002644.D
Acq: 06 Jul 2020 12:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.0	70.6
63	29.5	26.1	39.1





#7

Phenol-d6

Concen: 104.909 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002644.D

Acq: 06 Jul 2020 12:28

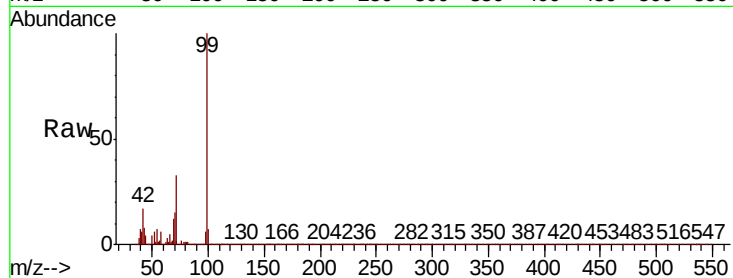
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 2516194

Ion	Ratio	Lower	Upper
99	100		
42	17.0	15.5	23.3
71	32.6	28.9	43.3

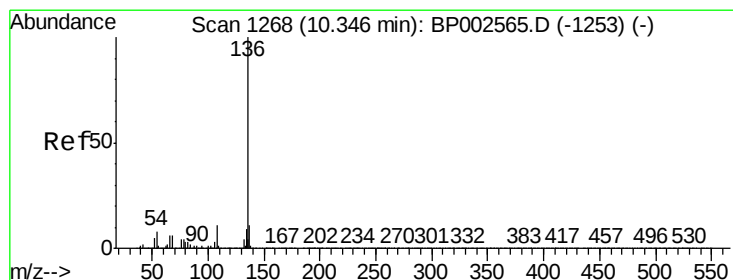
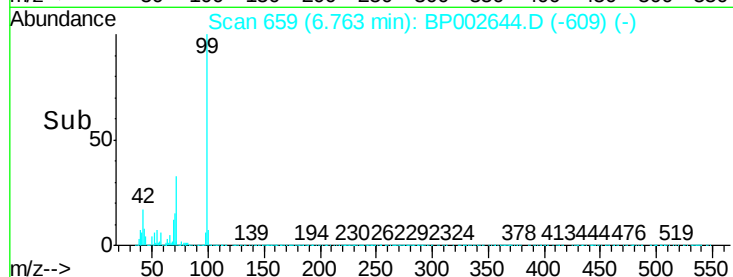
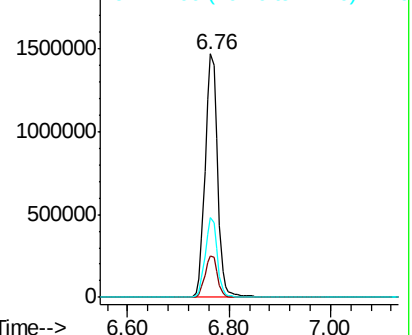


Abundance

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

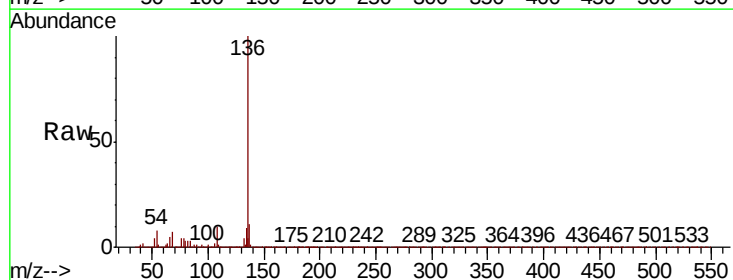
Delta R.T. -0.01 min

Lab File: BP002644.D

Acq: 06 Jul 2020 12:28

Tgt Ion: 136 Resp: 1057469

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.8	6.4	9.6
68	6.8	5.1	7.7



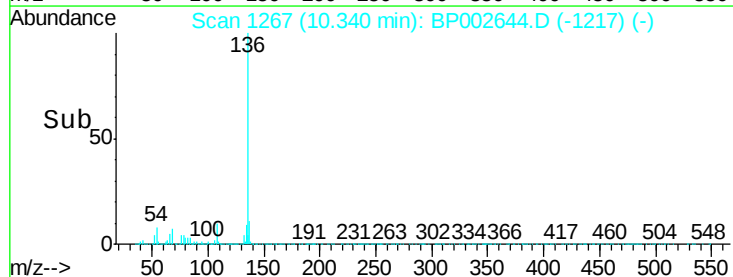
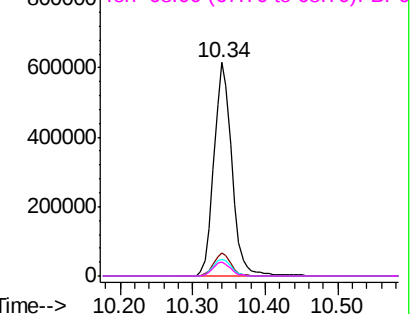
Abundance

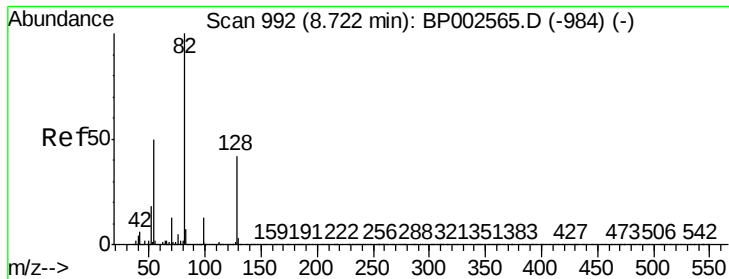
Ion 136.00 (135.70 to 136.70): E

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

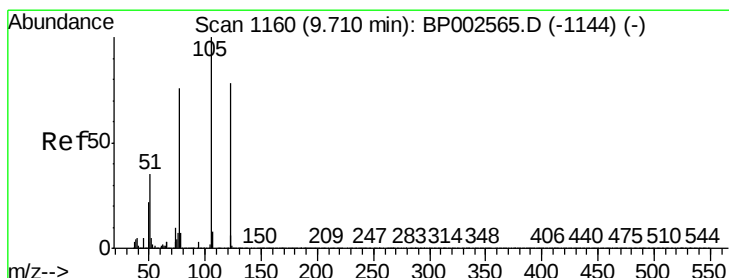
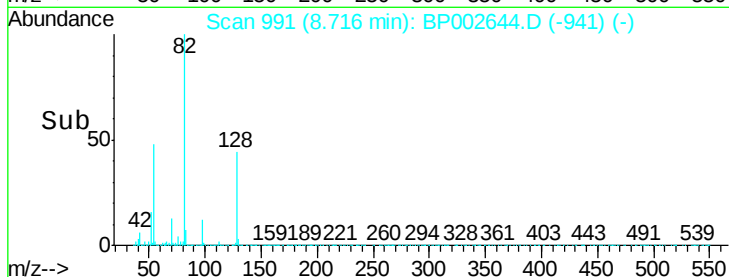
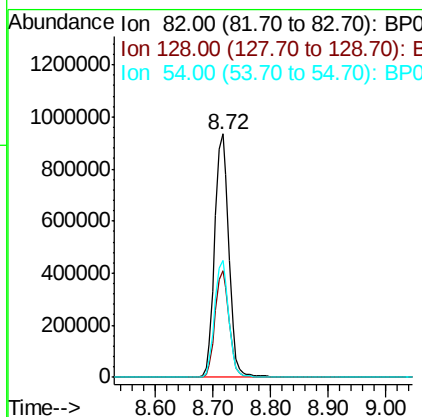
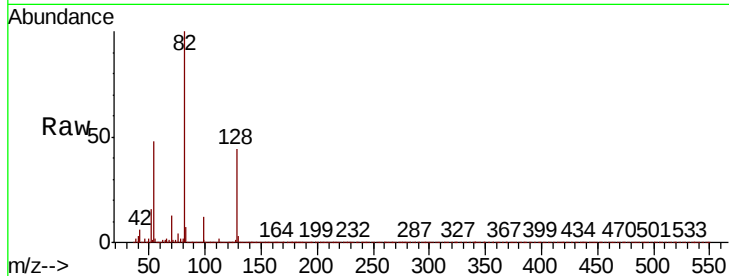




#23
 Nitrobenzene-d5
 Concen: 78.325 ng
 RT: 8.72 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BP002644.D
 Acq: 06 Jul 2020 12:28

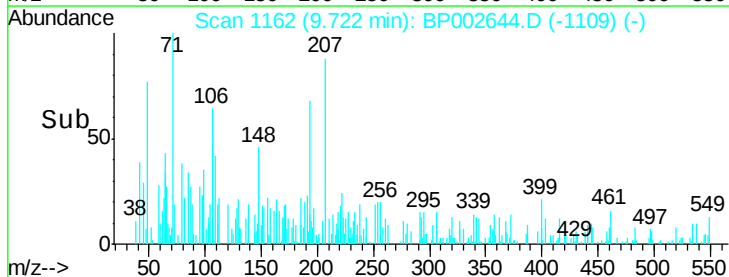
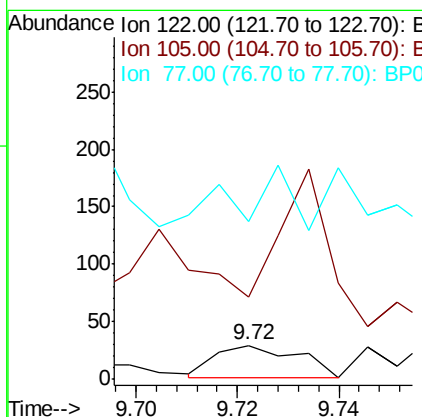
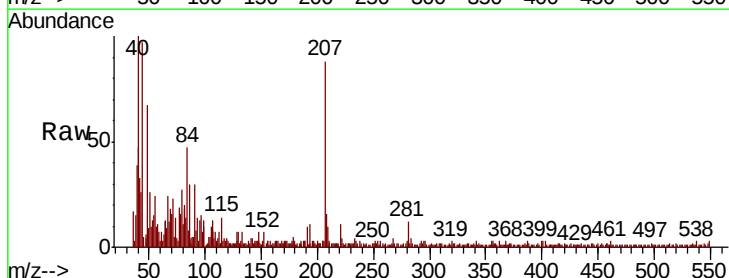
Instrument :
 BNA_F
 ClientSampleId :

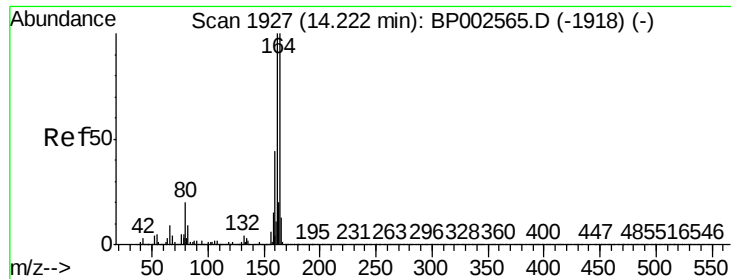
Tot Ion: 82 Resp: 1607486
 Ion Ratio Lower Upper
 82 100
 128 44.0 33.4 50.2
 54 47.8 40.1 60.1



#32
 Benzoic acid
 Concen: 8.702 ng
 RT: 9.72 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: BP002644.D
 Acq: 06 Jul 2020 12:28

Tgt Ion:122 Resp: 32
 Ion Ratio Lower Upper
 122 100
 105 244.8 106.6 146.6#
 77 472.4 76.5 116.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002644.D

Acq: 06 Jul 2020 12:28

Instrument :

BNA_F

ClientSampleId :

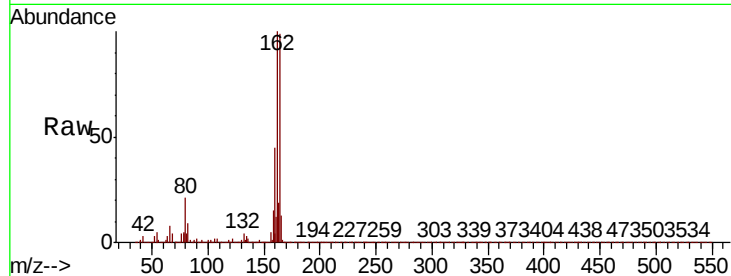
Tot Ion:164 Resp: 605939

Ion Ratio Lower Upper

164 100

162 101.3 80.3 120.5

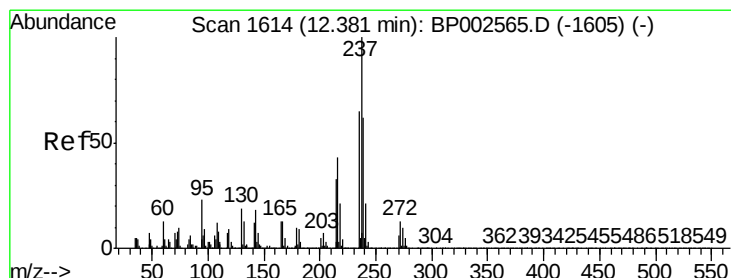
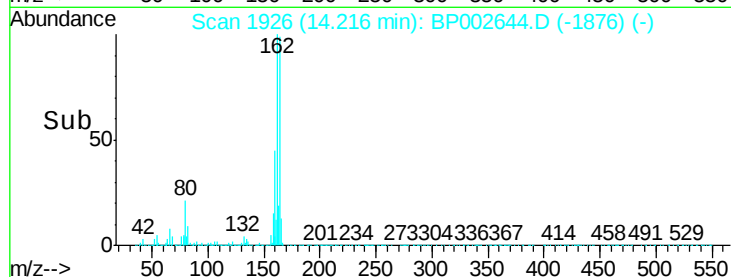
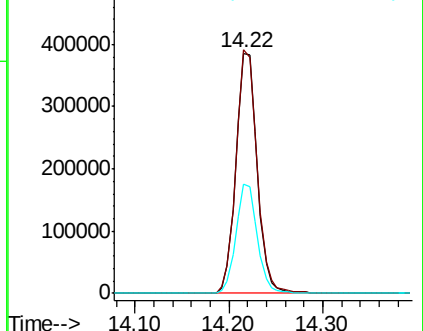
160 45.5 35.0 52.6



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: 4.383 ng

RT: 12.44 min Scan# 1624

Delta R.T. 0.06 min

Lab File: BP002644.D

Acq: 06 Jul 2020 12:28

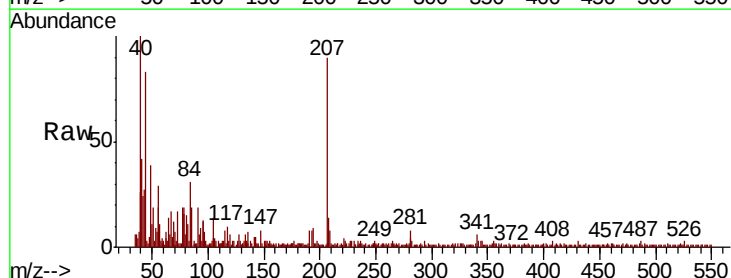
Tgt Ion:237 Resp: 14

Ion Ratio Lower Upper

237 100

235 54.2 45.4 85.4

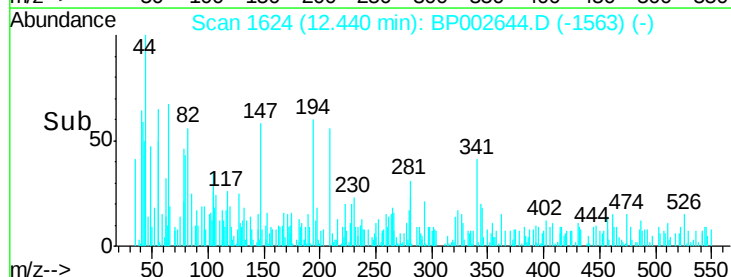
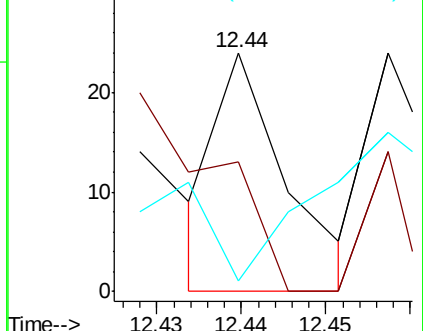
272 4.2 0.0 32.6

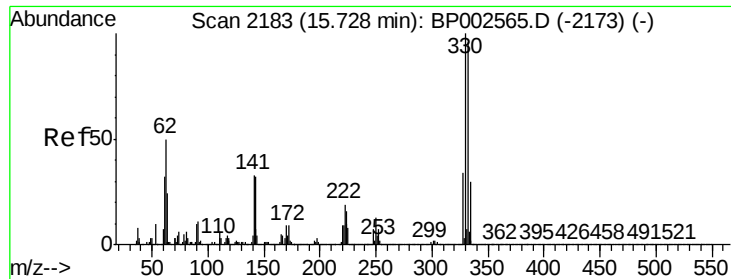


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

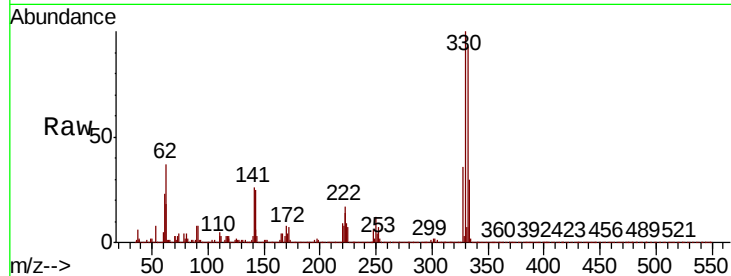




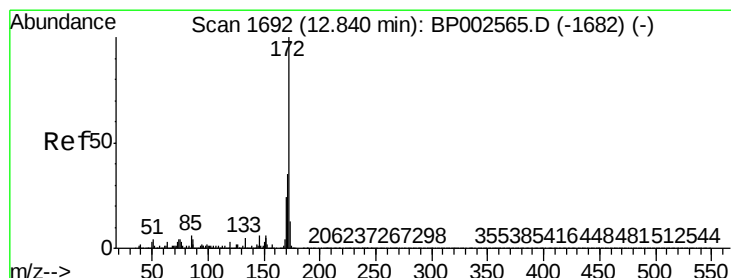
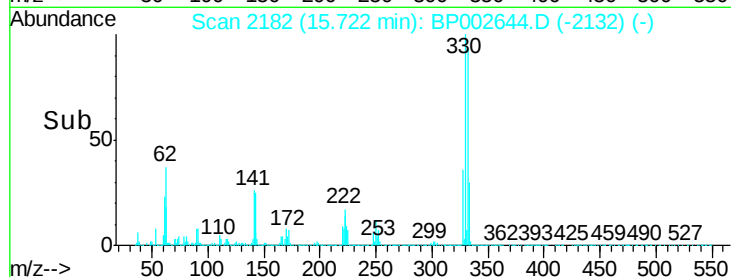
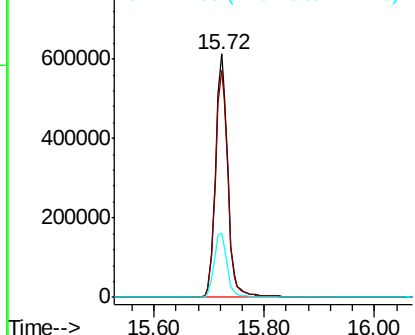
#42
 2,4,6-Tribromophenol
 Concen: 129.765 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002644.D
 Acq: 06 Jul 2020 12:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.7	116.5
141	27.8	29.0	43.6

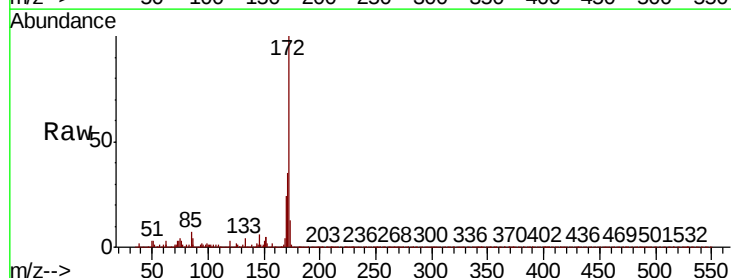


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

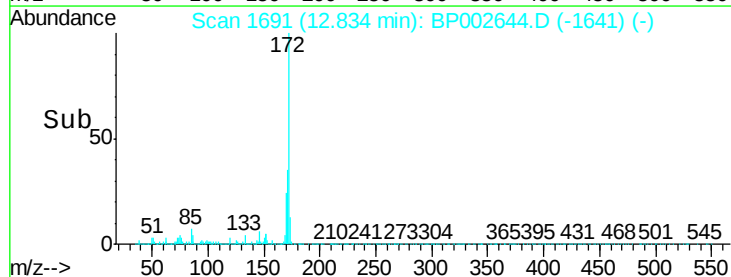
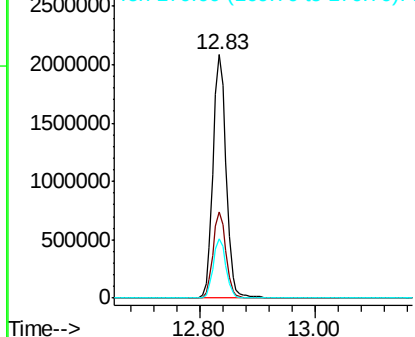


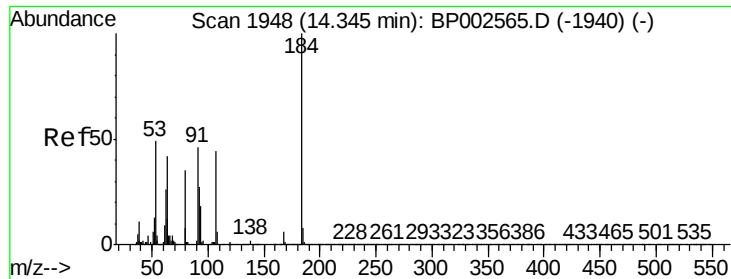
#45
 2-Fluorobiphenyl
 Concen: 81.015 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002644.D
 Acq: 06 Jul 2020 12:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.0	42.0
170	24.2	19.0	28.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

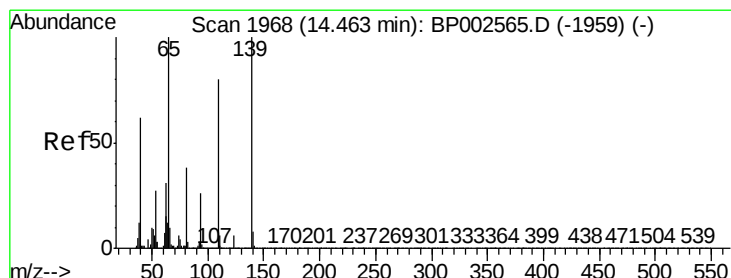
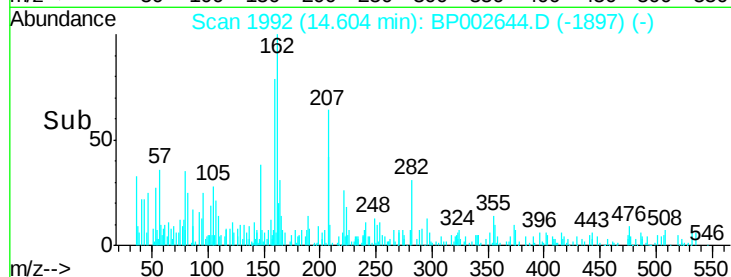
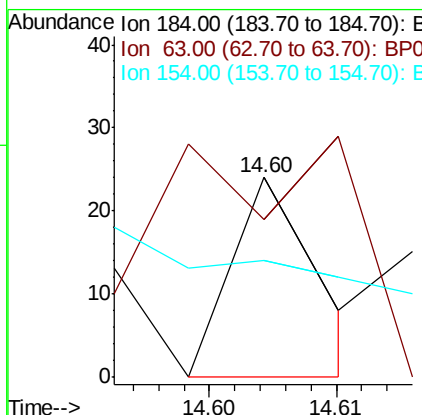
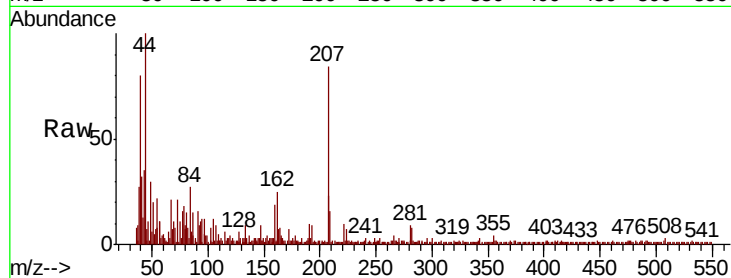




#54
2,4-Dinitrophenol
Concen: 6.011 ng
RT: 14.60 min Scan# 1992
Delta R.T. 0.26 min
Lab File: BP002644.D
Acq: 06 Jul 2020 12:28

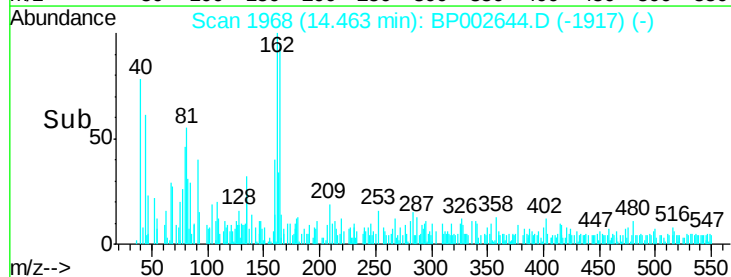
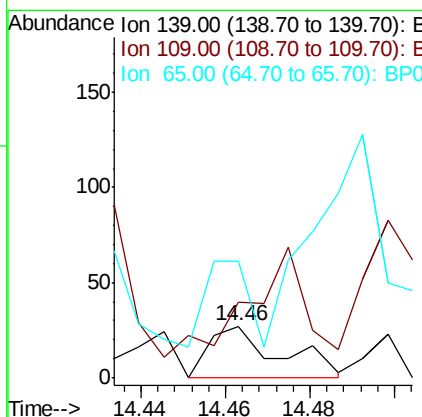
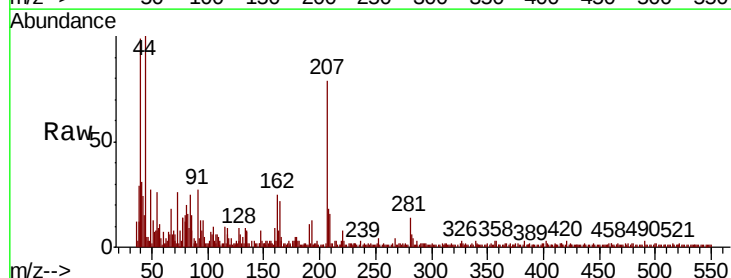
Instrument :
BNA_F
ClientSampleId :

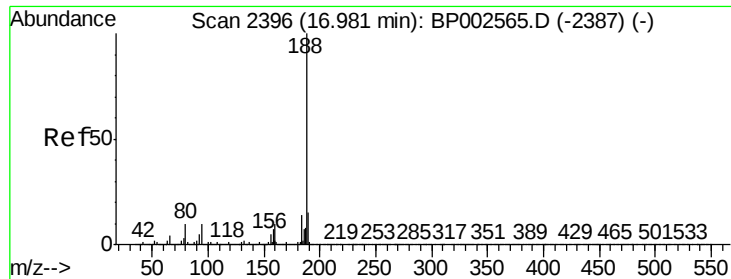
Tot Ion:184 Resp: 11
Ion Ratio Lower Upper
184 100
63 79.2 56.2 84.2
154 58.3 50.9 76.3



#56
4-Nitrophenol
Concen: 2.439 ng
RT: 14.46 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BP002644.D
Acq: 06 Jul 2020 12:28

Tgt Ion:139 Resp: 31
Ion Ratio Lower Upper
139 100
109 148.1 60.1 100.1#
65 225.9 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: BP002644.D

Acq: 06 Jul 2020 12:28

Instrument :

BNA_F

ClientSampleId :

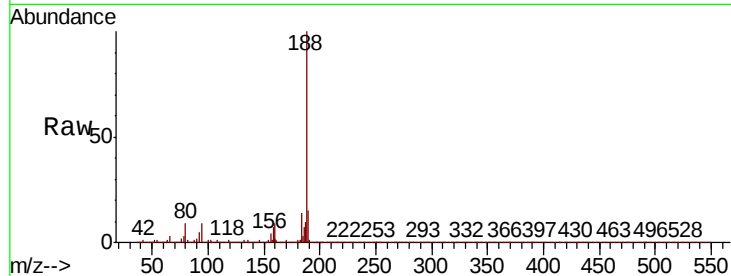
Tot Ion:188 Resp: 1275169

Ion Ratio Lower Upper

188 100

94 8.9 7.8 11.6

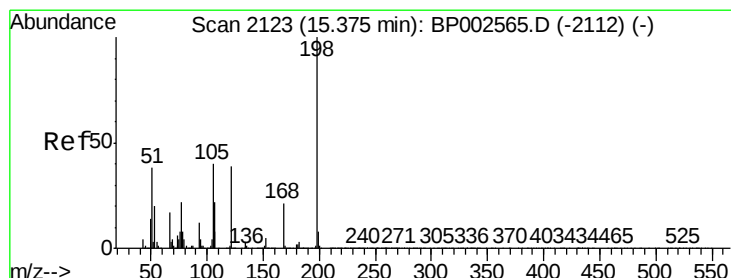
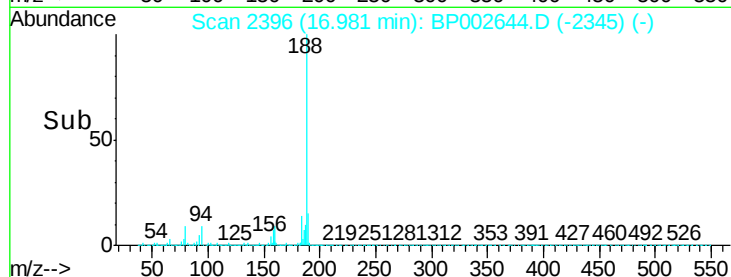
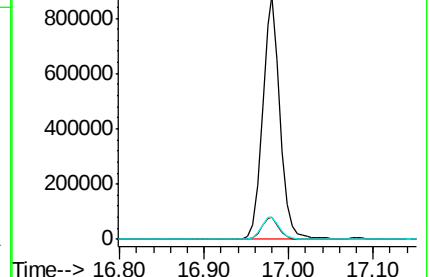
80 9.3 8.2 12.4



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: 2.712 ng

RT: 15.36 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BP002644.D

Acq: 06 Jul 2020 12:28

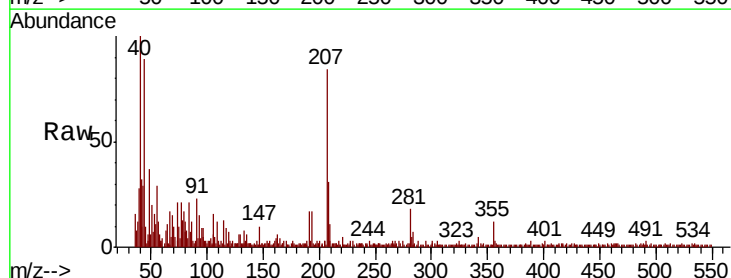
Tgt Ion:198 Resp: 22

Ion Ratio Lower Upper

198 100

51 430.8 24.2 64.2#

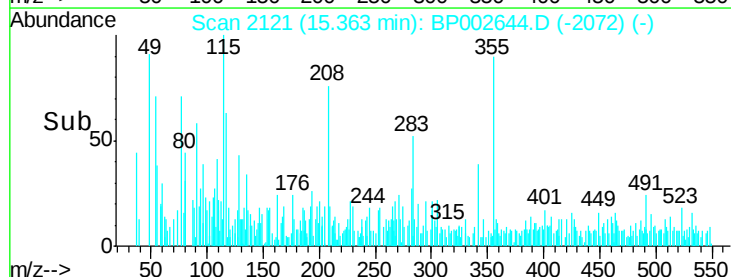
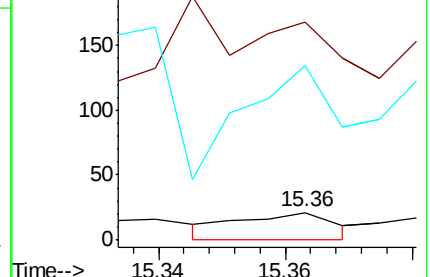
105 343.6 20.7 60.7#

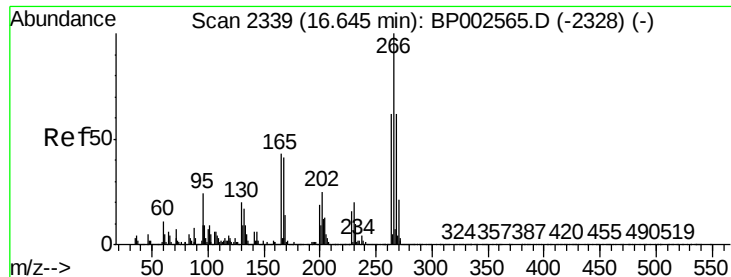


Abundance Ion 198.00 (197.70 to 198.70): E

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: 16.66 min Scan# 2341

Delta R.T. 0.01 min

Lab File: BP002644.D

Acq: 06 Jul 2020 12:28

Instrument :

BNA_F

ClientSampled :

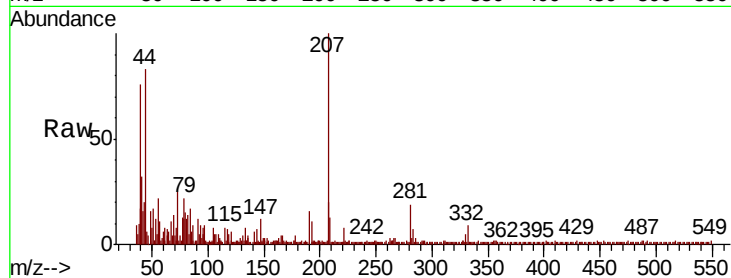
Tot Ion:266 Resp: 42

Ion Ratio Lower Upper

266 100

268 37.9 49.7 74.5#

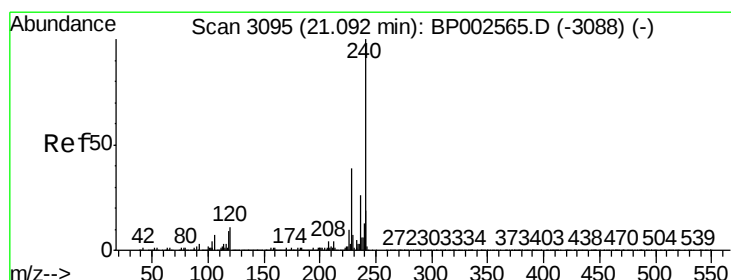
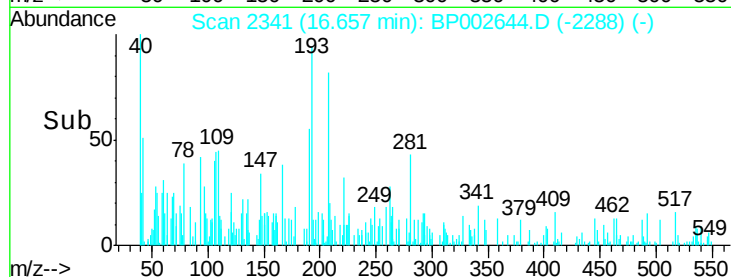
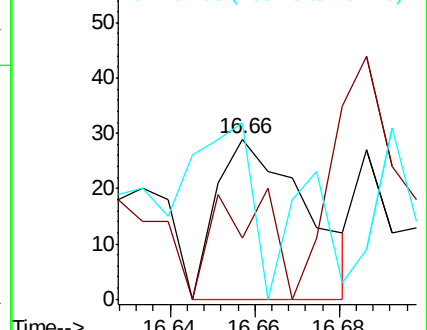
264 110.3 49.3 73.9#



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: BP002644.D

Acq: 06 Jul 2020 12:28

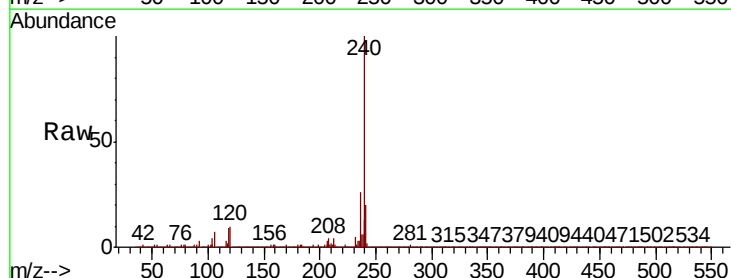
Tgt Ion:240 Resp: 1380474

Ion Ratio Lower Upper

240 100

120 10.3 8.6 13.0

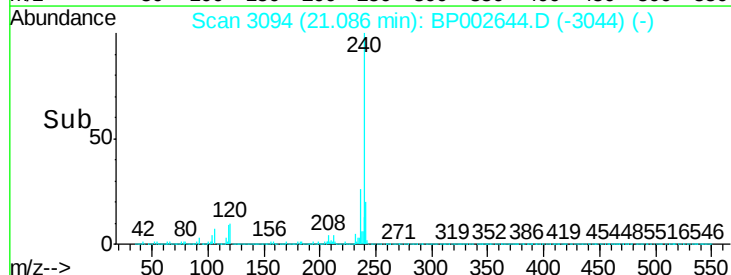
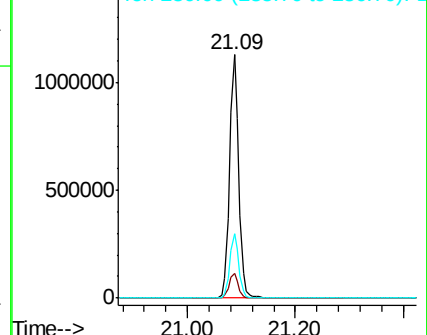
236 26.4 20.8 31.2

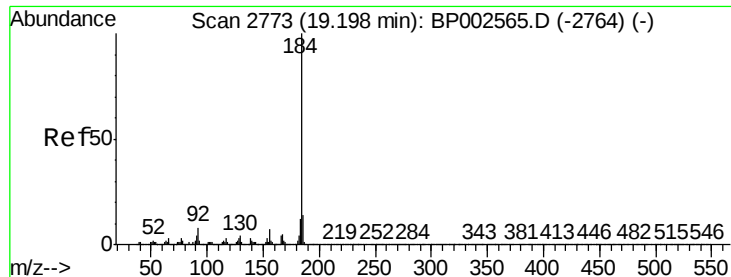


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.756 ng

RT: 19.16 min Scan# 2766

Delta R.T. -0.04 min

Lab File: BP002644.D

Acq: 06 Jul 2020 12:28

Instrument :

BNA_F

ClientSampleId :

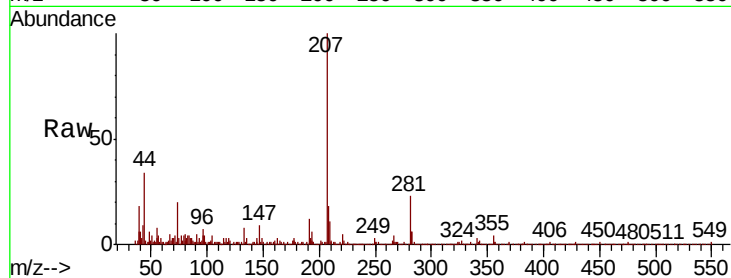
Tot Ion:184 Resp: 21

Ion Ratio Lower Upper

184 100

185 135.5 11.4 17.2#

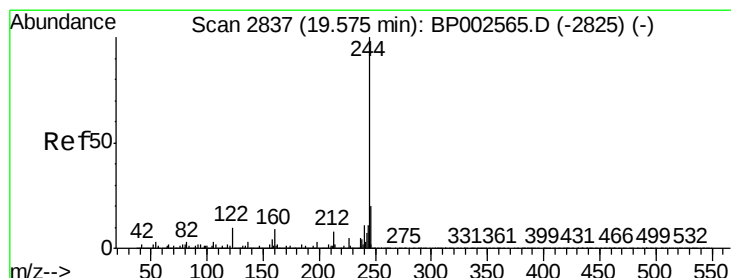
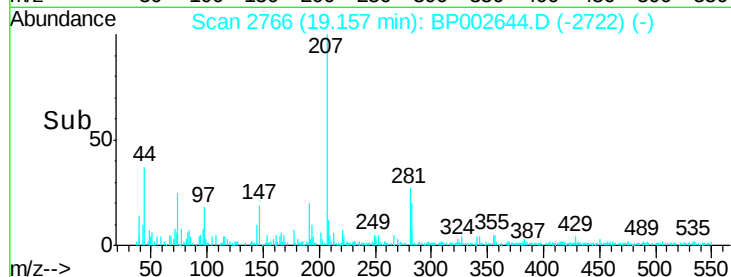
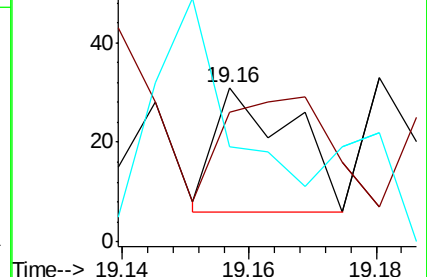
183 61.3 9.2 13.8#



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: 75.006 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002644.D

Acq: 06 Jul 2020 12:28

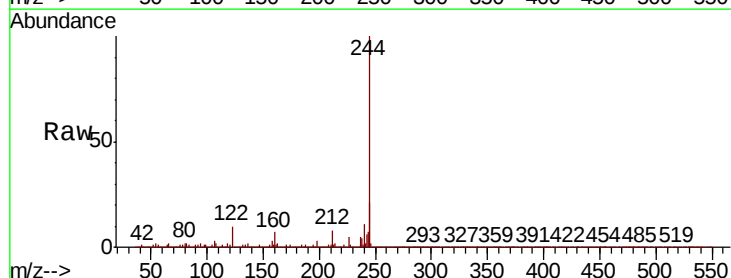
Tgt Ion:244 Resp: 4797076

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

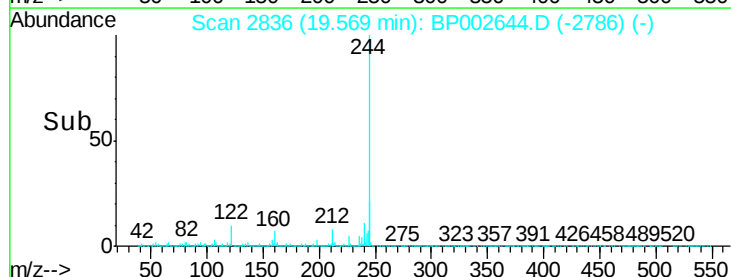
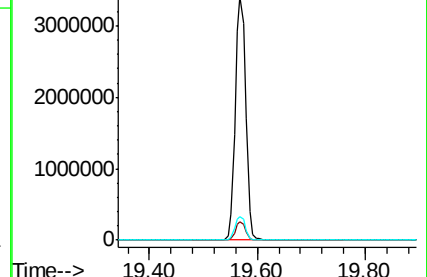
122 9.6 7.9 11.9

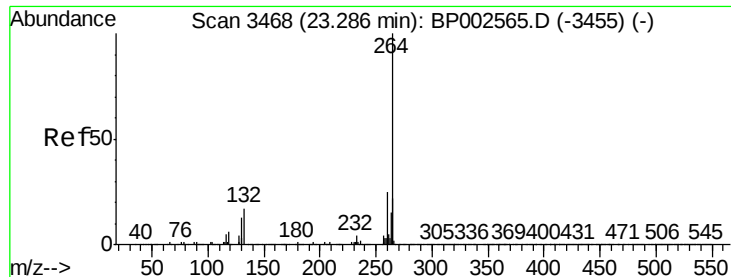


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



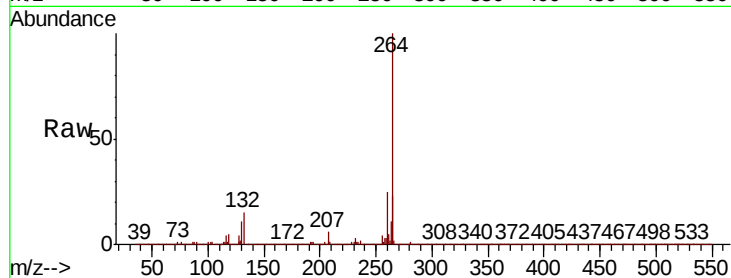


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. -0.01 min
Lab File: BP002644.D
Acq: 06 Jul 2020 12:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1658431

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.7	29.5
265	22.5	17.6	26.4



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

