

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
 Data File : BP002677.D
 Acq On : 08 Jul 2020 16:19
 Operator : CG/JU
 Sample : L3203-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-24

Quant Time: Jul 08 16:57:02 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	167165	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	731697	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	492230	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1149493	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1337334	20.00	ng	0.00
86) Perylene-d12	23.28	264	1279261	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	837552	84.83	ng	0.00
7) Phenol-d6	6.77	99	1282040	93.03	ng	0.00
23) Nitrobenzene-d5	8.71	82	752321	52.98	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	532045	88.87	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	1703178	50.93	ng	0.00
79) Terphenyl-d14	19.57	244	3210053	51.81	ng	0.00

Target Compounds

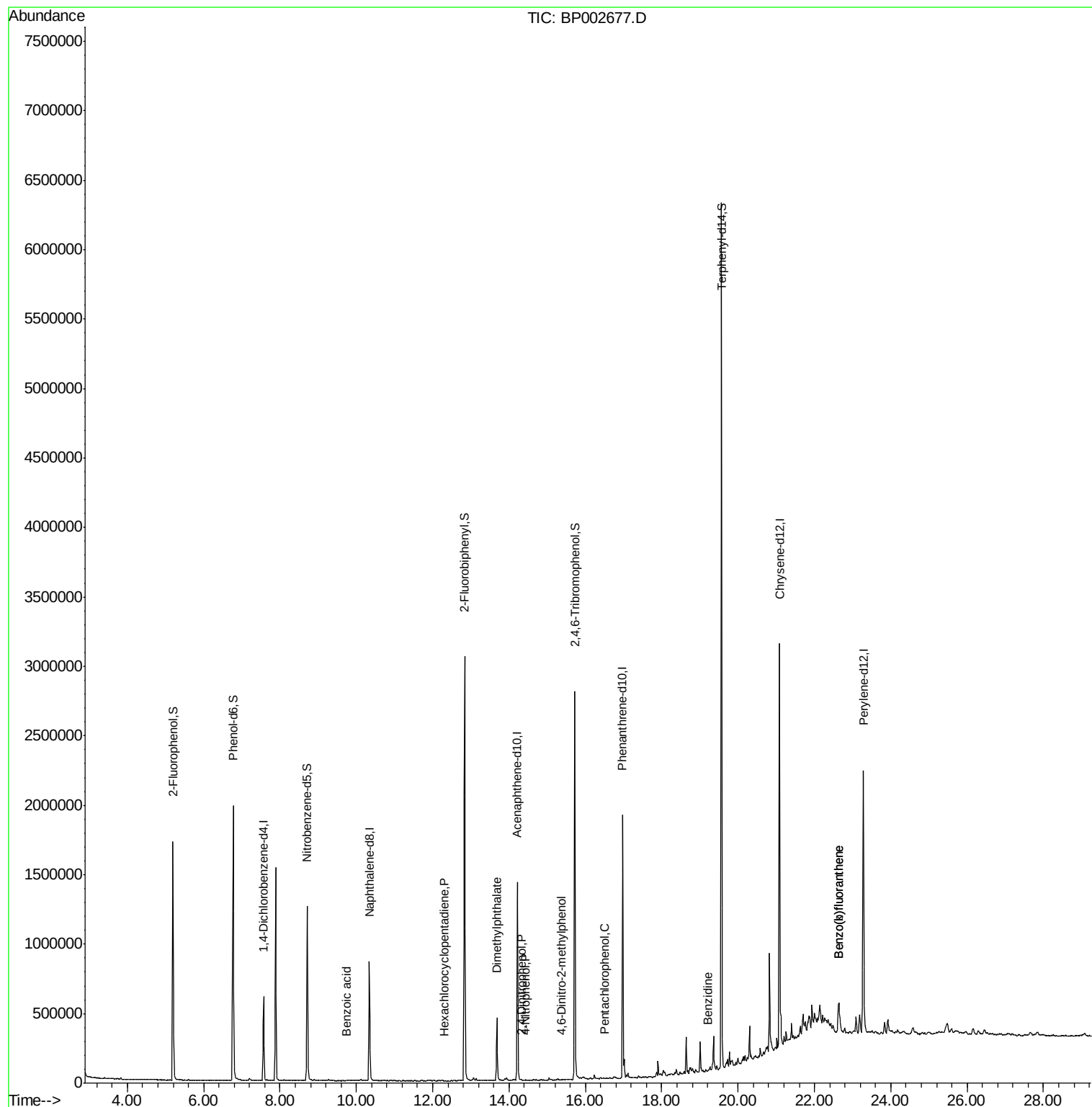
						Qvalue
32) Benzoic acid	9.73	122	214	8.721	ng	# 1
41) Hexachlorocyclopentadiene	12.29	237	30	4.385	ng	92
50) Dimethylphthalate	13.68	163	316512	8.187	ng	100
54) 2,4-Dinitrophenol	14.34	184	5	6.010	ng	# 1
56) 4-Nitrophenol	14.43	139	36	2.441	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.38	198	13	2.711	ng	# 1
70) Pentachlorophenol	16.50	266	20	2.664	ng	93
77) Benzidine	19.20	184	106	3.758	ng	# 1
88) Benzo(b)fluoranthene	22.63	252	164995	2.021	ng	# 95
89) Benzo(k)fluoranthene	22.63	252	164995	2.167	ng	# 96

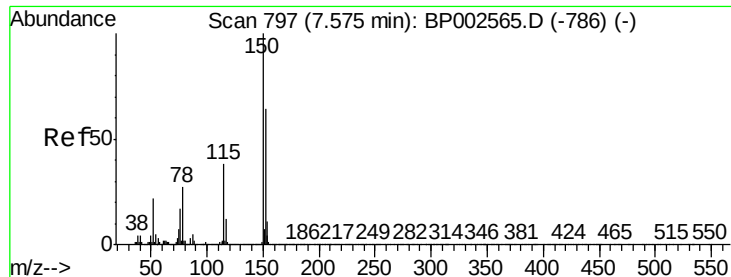
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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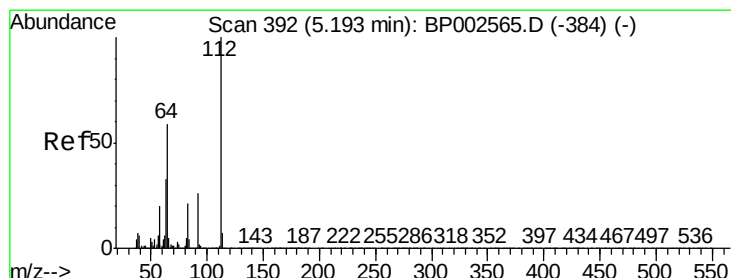
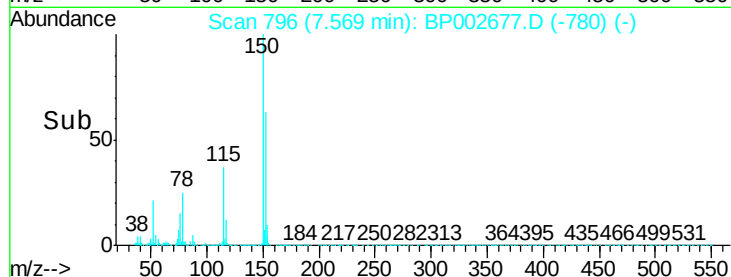
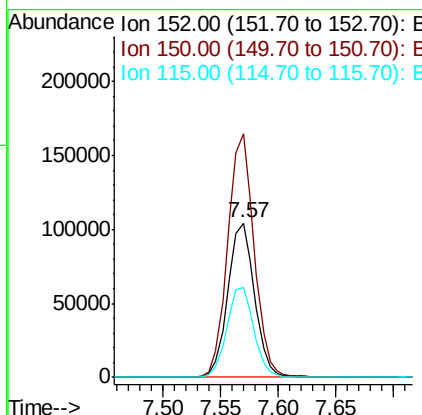
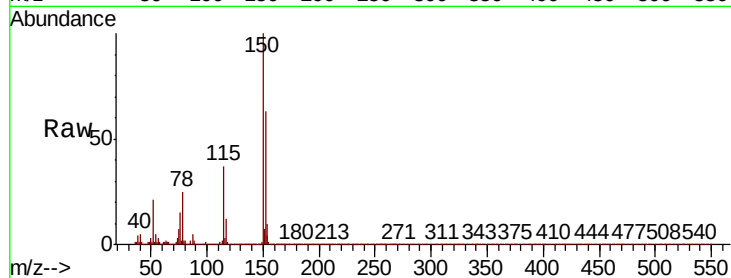


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

Instrument :
BNA_P
ClientSampleId :
RO-24

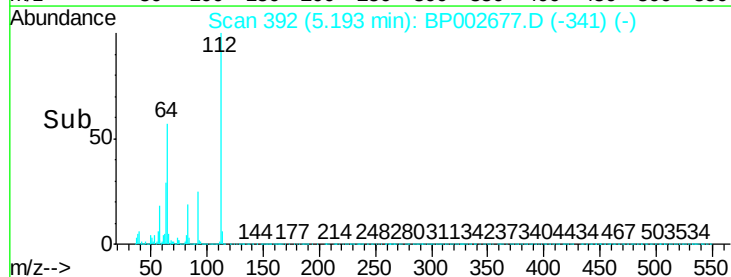
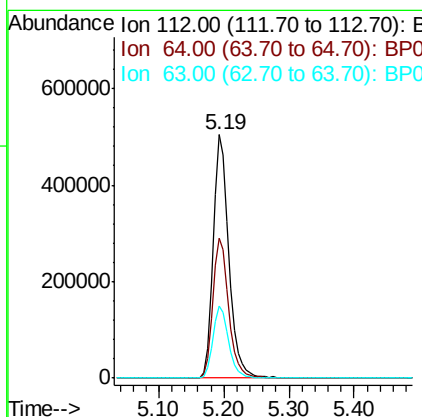
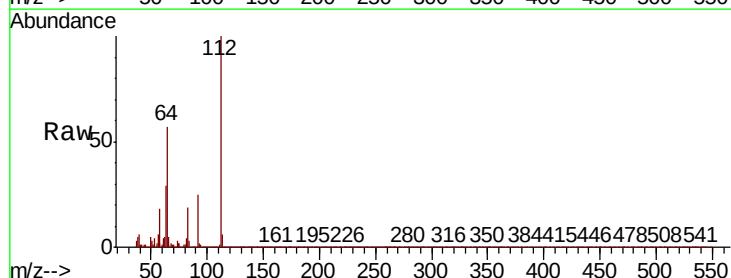
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.2	186.2
115	58.5	47.1	70.7

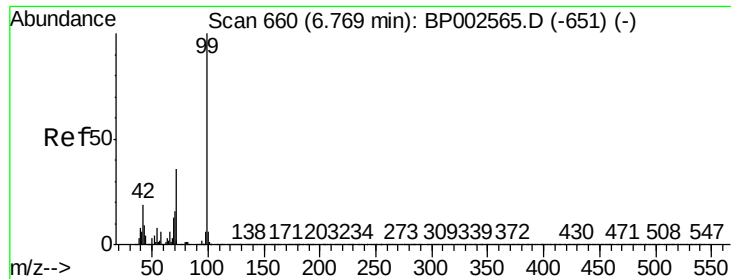


#5

2-Fluorophenol
Concen: 84.831 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.0	70.6
63	29.4	26.1	39.1





#7

Phenol-d6

Concen: 93.033 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

Instrument :

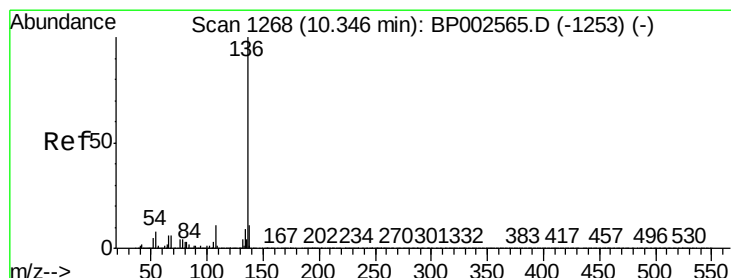
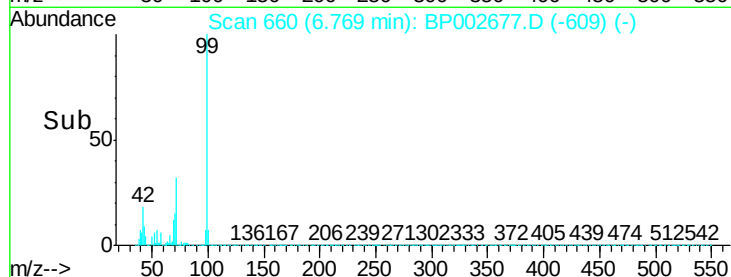
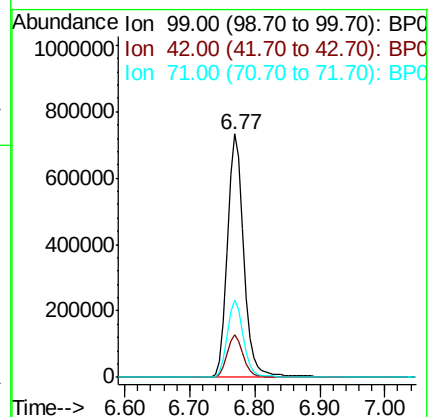
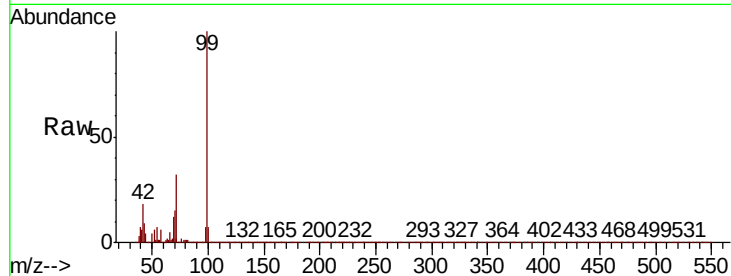
BNA_P

ClientSampled :

RO-24

Tot Ion: 99 Resp: 1282040

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.5	23.3
71	31.9	28.9	43.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

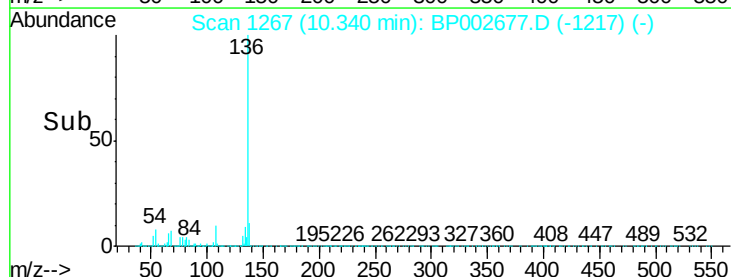
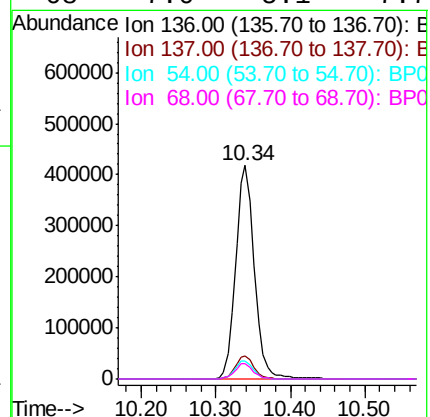
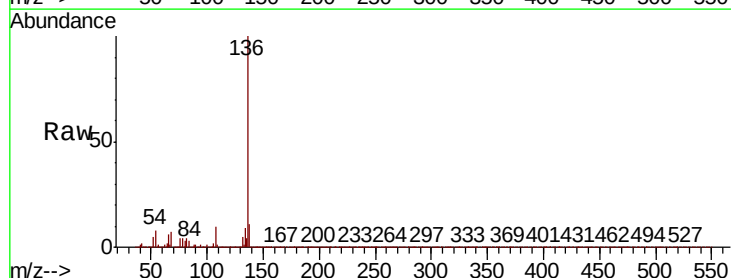
Delta R.T. -0.01 min

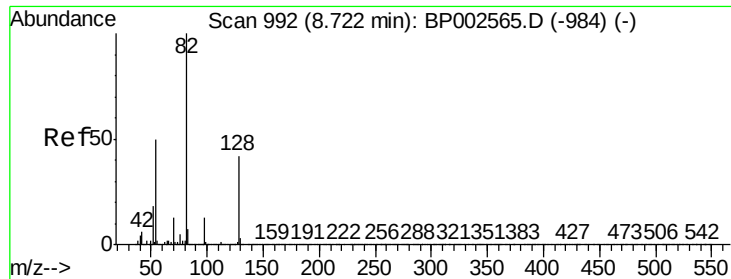
Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

Tgt Ion: 136 Resp: 731697

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.4	6.4	9.6
68	7.0	5.1	7.7

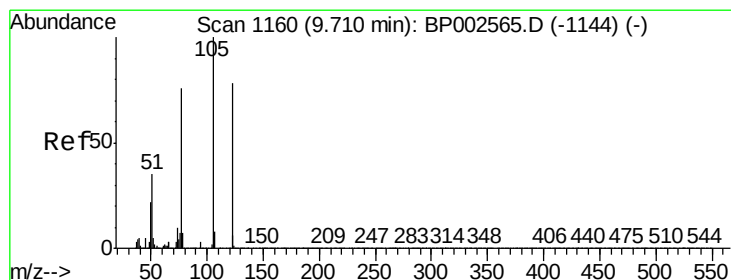
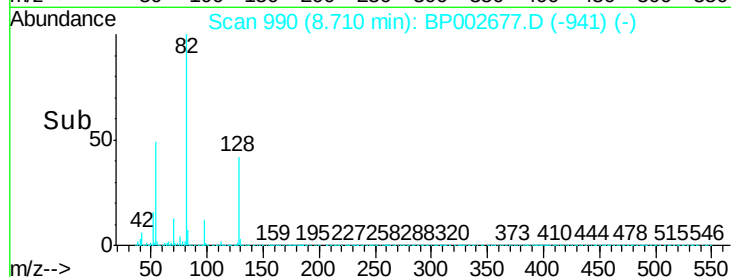
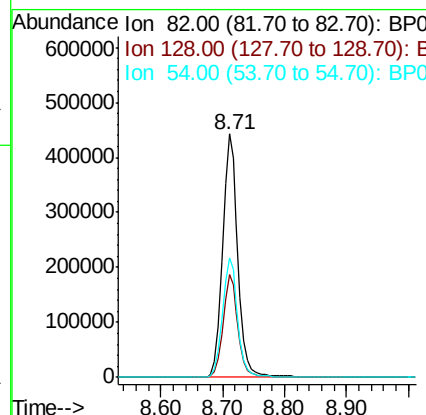
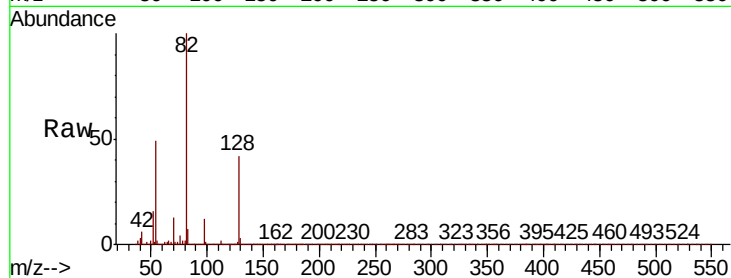




#23
Nitrobenzene-d5
Concen: 52.978 ng
RT: 8.71 min Scan# 990
Delta R.T. -0.01 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

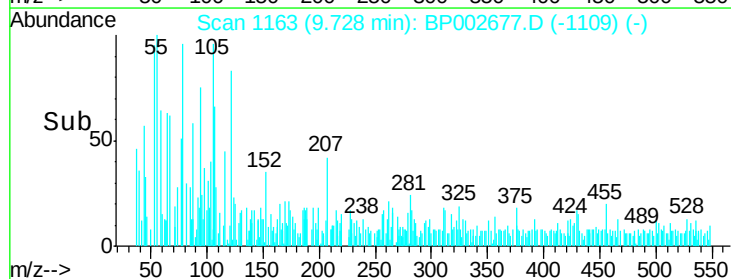
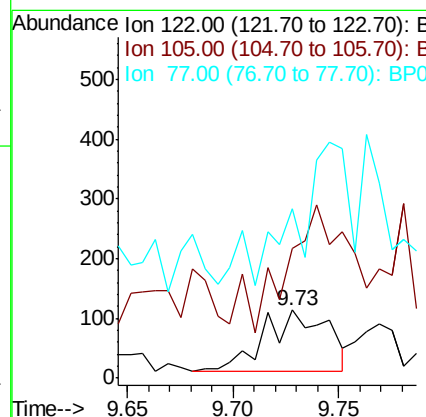
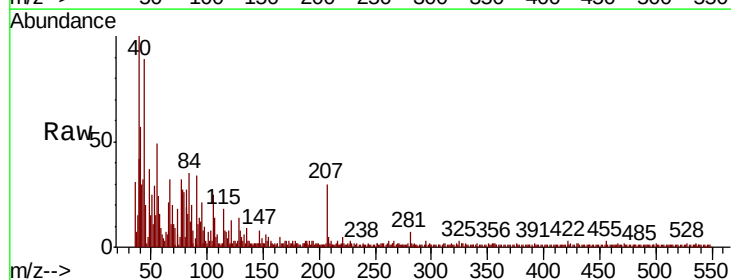
Instrument :
BNA_P
ClientSampled :
RO-24

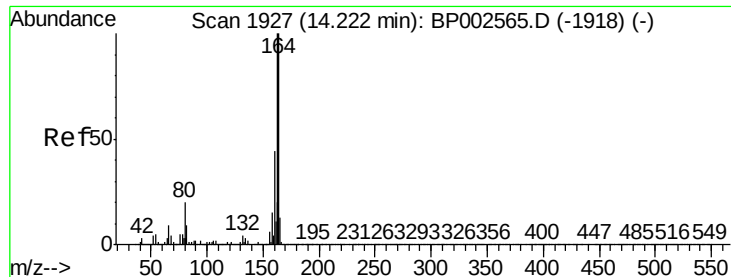
Tot Ion	82	Resp	752321
Ion Ratio	Lower	Upper	
82	100		
128	42.2	33.4	50.2
54	49.0	40.1	60.1



#32
Benzoic acid
Concen: 8.721 ng
RT: 9.73 min Scan# 1163
Delta R.T. 0.02 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

Tgt Ion	122	Resp	214
Ion Ratio	Lower	Upper	
122	100		
105	191.2	106.6	146.6#
77	248.2	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: BP002677.D

Acq: 08 Jul 2020 16:19

Instrument :

BNA_P

ClientSampleId :

RO-24

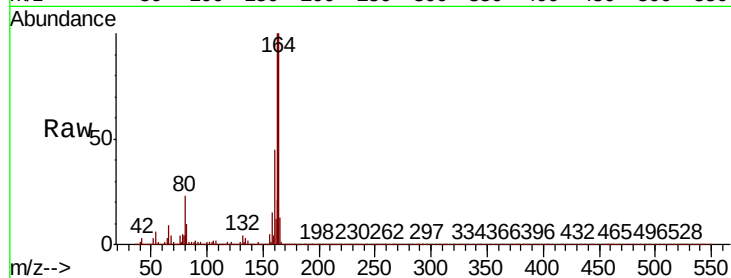
Tot Ion:164 Resp: 492230

Ion Ratio Lower Upper

164 100

162 100.2 80.3 120.5

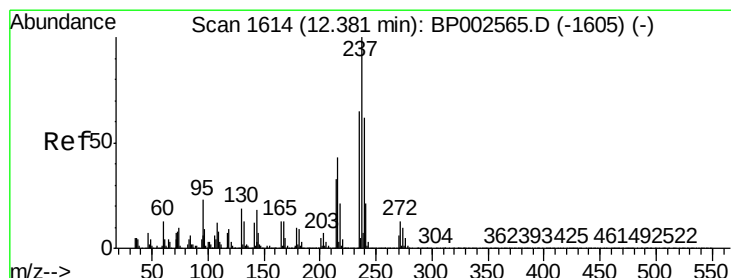
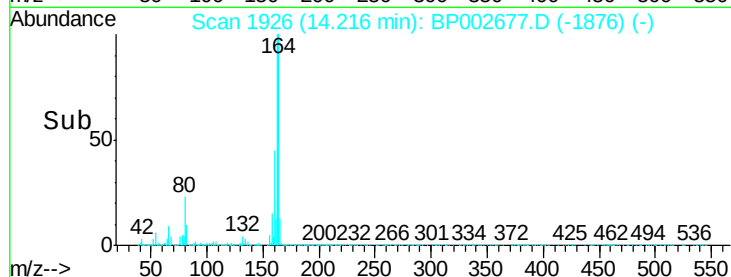
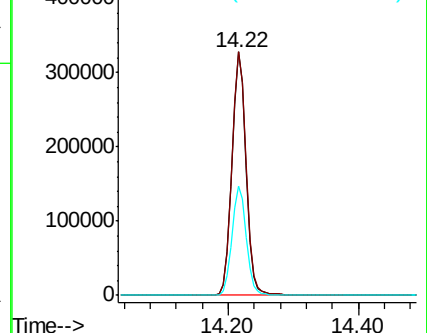
160 44.7 35.0 52.6



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: 4.385 ng

RT: 12.29 min Scan# 1599

Delta R.T. -0.09 min

Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

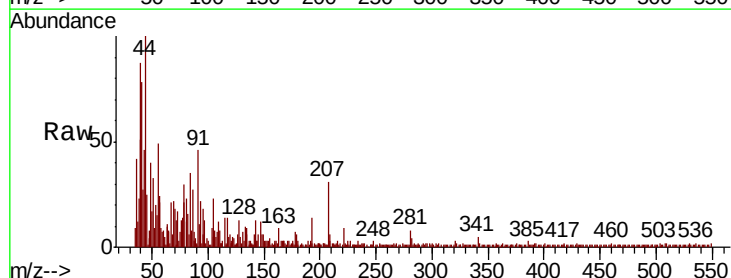
Tgt Ion:237 Resp: 30

Ion Ratio Lower Upper

237 100

235 65.0 45.4 85.4

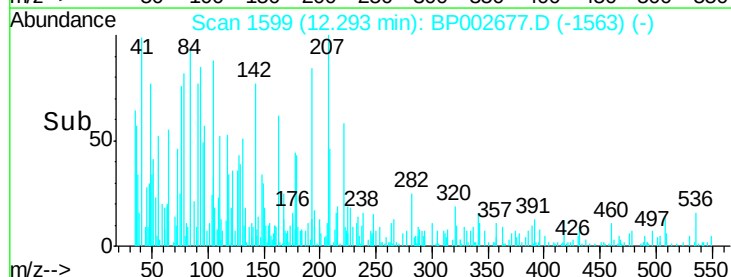
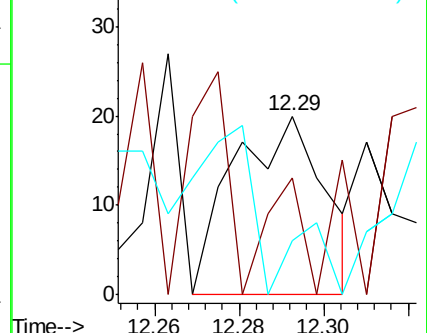
272 30.0 0.0 32.6

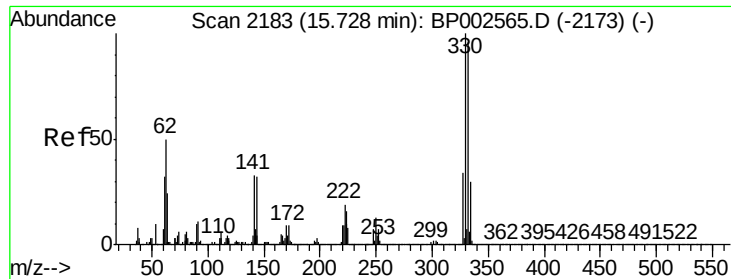


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

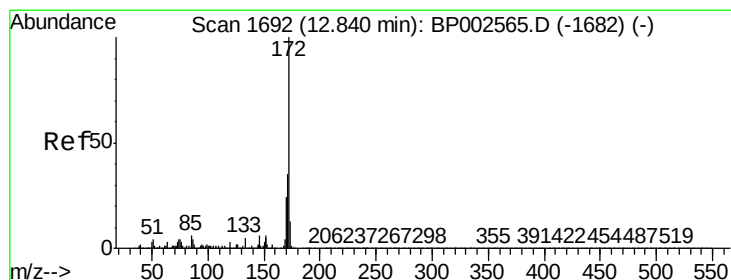
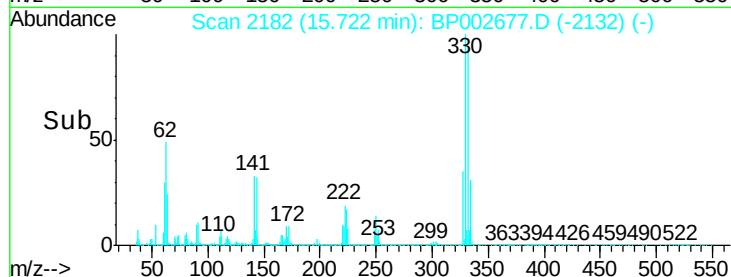
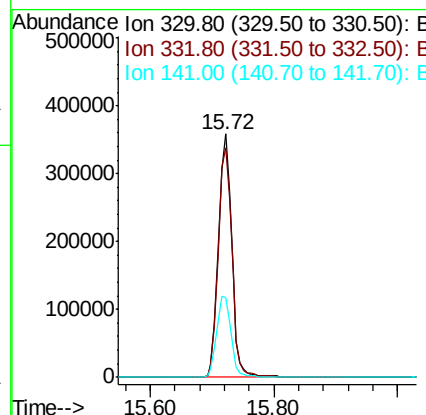
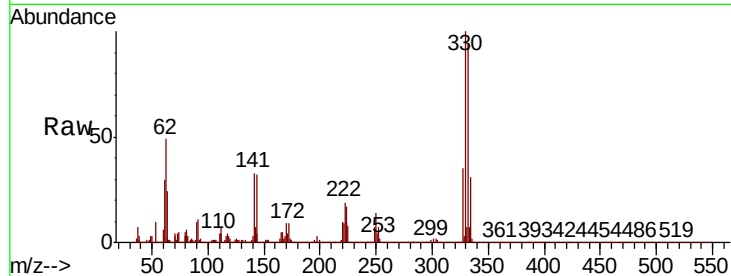




#42
2,4,6-Tribromophenol
Concen: 88.868 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

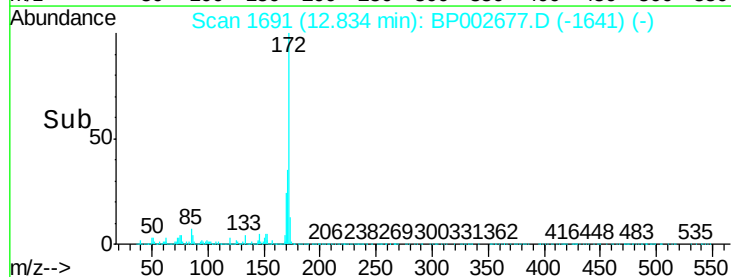
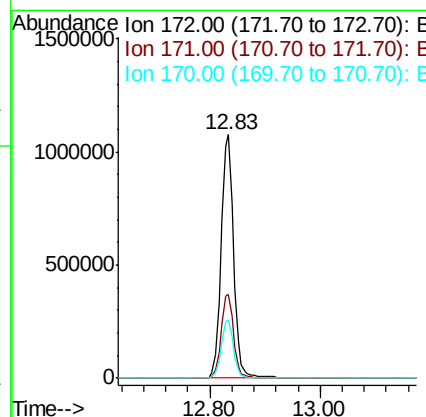
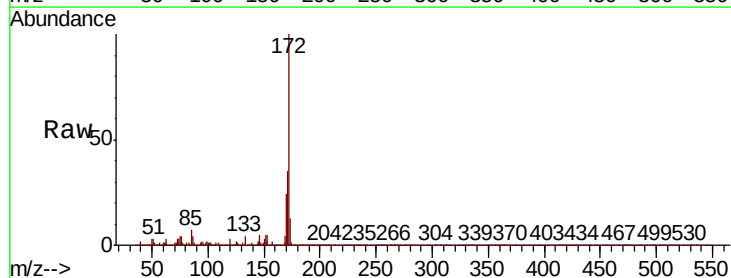
Instrument :
BNA_P
ClientSampled :
RO-24

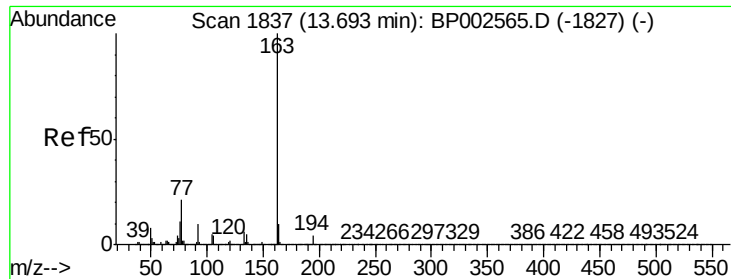
Tot Ion:330 Resp: 532045
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 35.7 29.0 43.6



#45
2-Fluorobiphenyl
Concen: 50.927 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

Tgt Ion:172 Resp: 1703178
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 24.0 19.0 28.4





#50

Dimethylphthalate

Concen: 8.187 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

Instrument :

BNA_P

ClientSampled :

RO-24

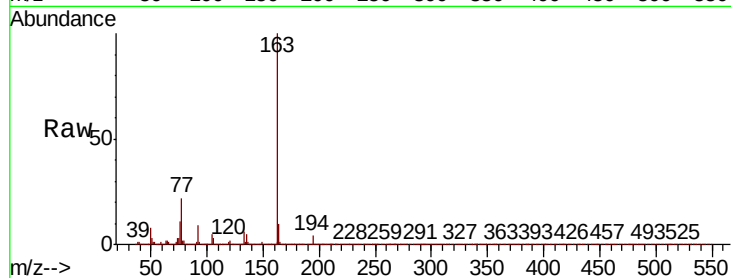
Tot Ion:163 Resp: 316512

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

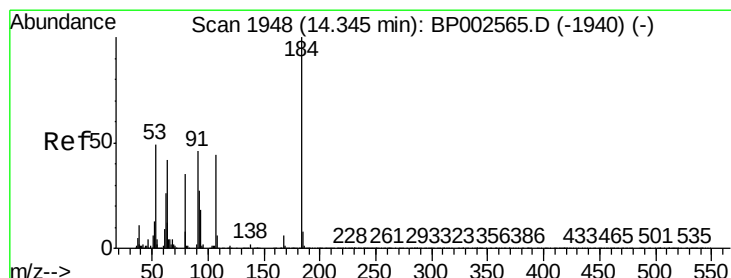
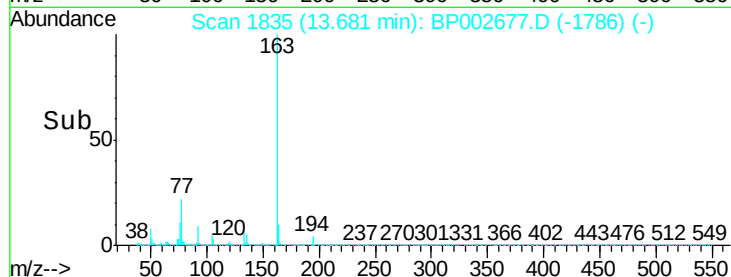
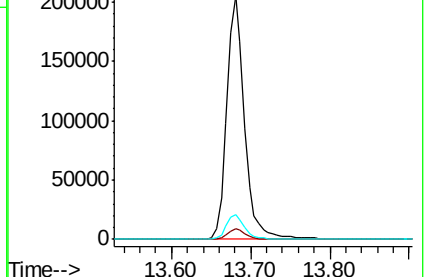
164 10.3 8.2 12.4



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



#54

2,4-Dinitrophenol

Concen: 6.010 ng

RT: 14.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

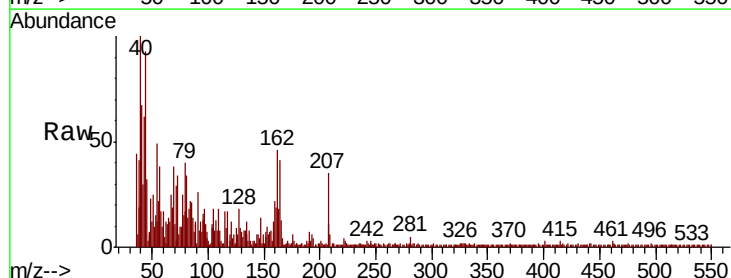
Tgt Ion:184 Resp: 5

Ion Ratio Lower Upper

184 100

63 500.0 56.2 84.2#

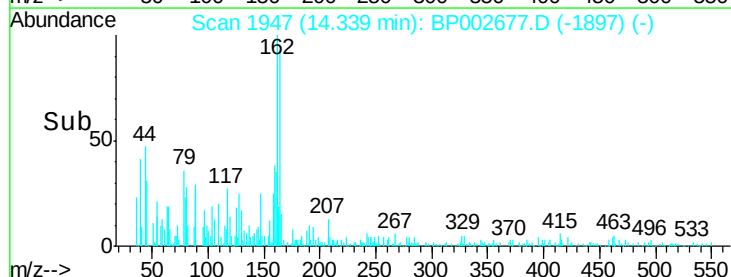
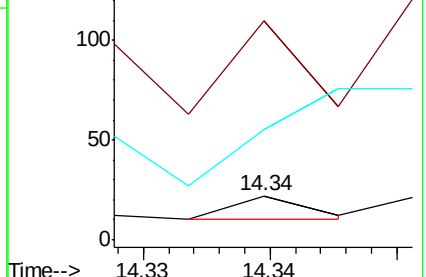
154 250.0 50.9 76.3#

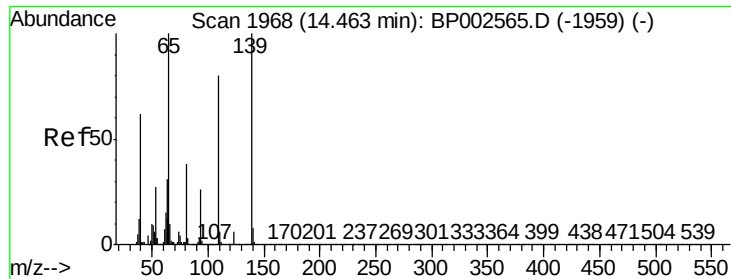


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

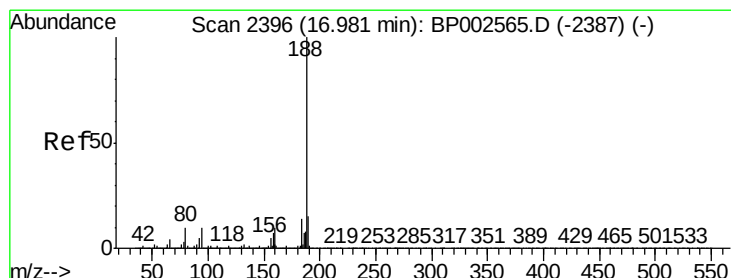
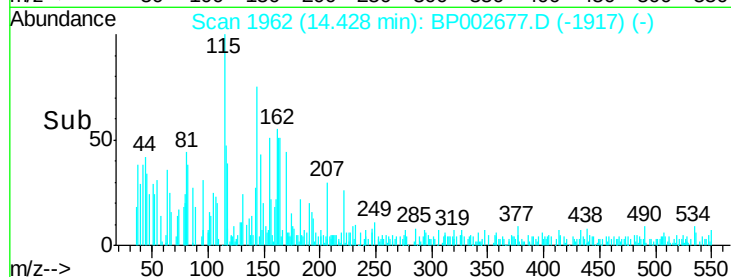
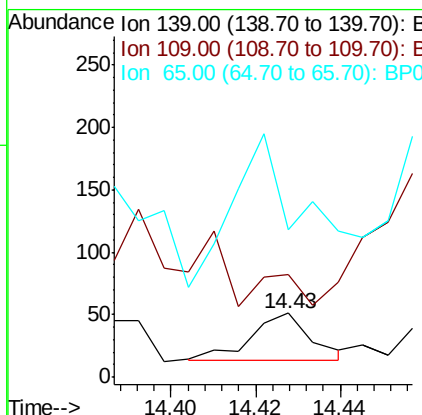
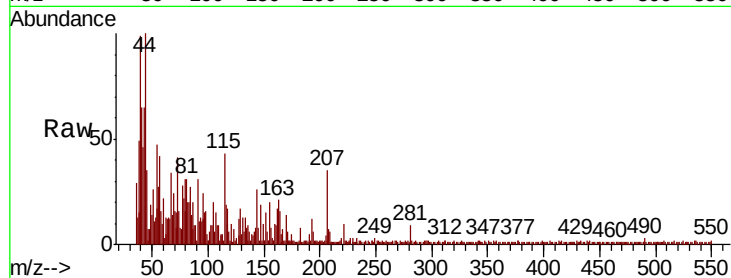




#56
4-Nitrophenol
Concen: 2.441 ng
RT: 14.43 min Scan# 1962
Delta R.T. -0.04 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

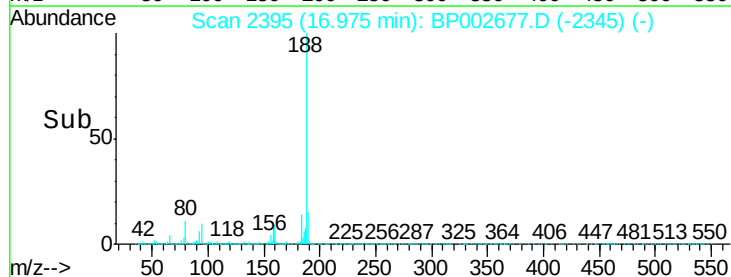
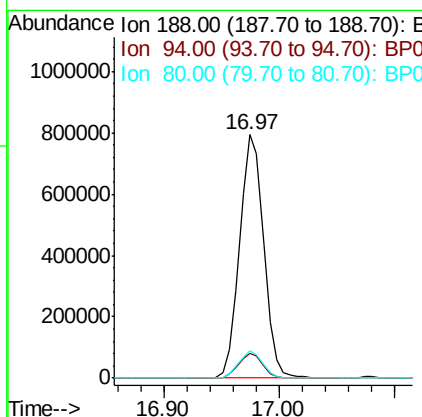
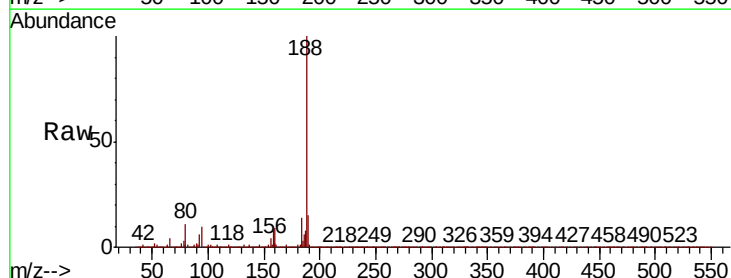
Instrument :
BNA_P
ClientSampled :
RO-24

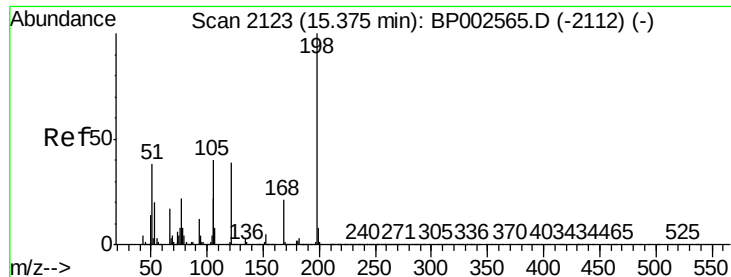
Tot Ion:139 Resp: 36
Ion Ratio Lower Upper
139 100
109 160.8 60.1 100.1#
65 231.4 80.3 120.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

Tgt Ion:188 Resp: 1149493
Ion Ratio Lower Upper
188 100
94 10.3 7.8 11.6
80 11.1 8.2 12.4

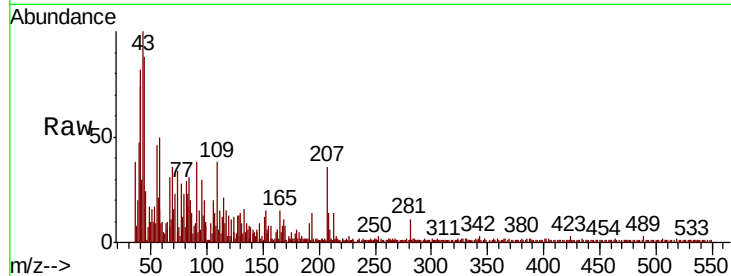




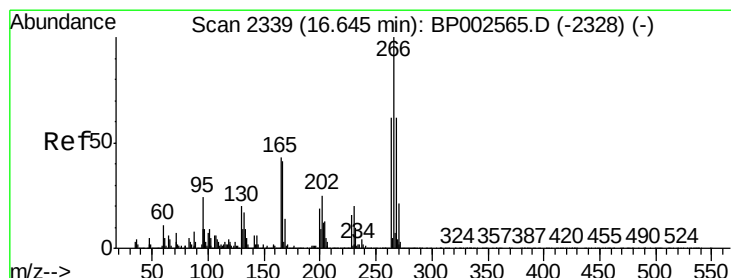
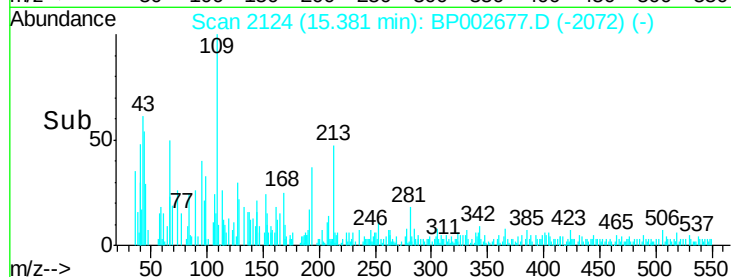
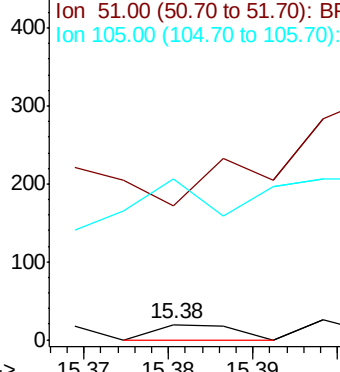
#65
4,6-Dinitro-2-methylphenol
Concen: 2.711 ng
RT: 15.38 min Scan# 2124
Delta R.T. 0.01 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

Instrument :
BNA_P
ClientSampleId :
RO-24

Tot Ion:198 Resp: 13
Ion Ratio Lower Upper
198 100
51 905.3 24.2 64.2#
105 1084.2 20.7 60.7#

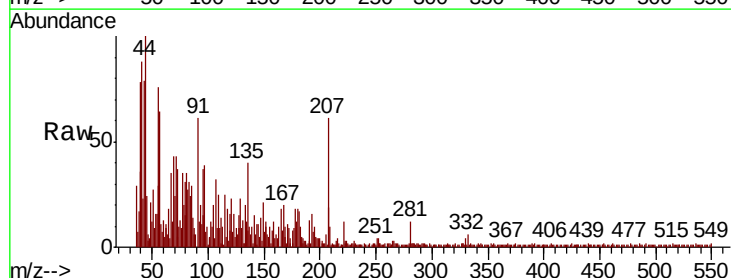


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BP0
Ion 105.00 (104.70 to 105.70): E

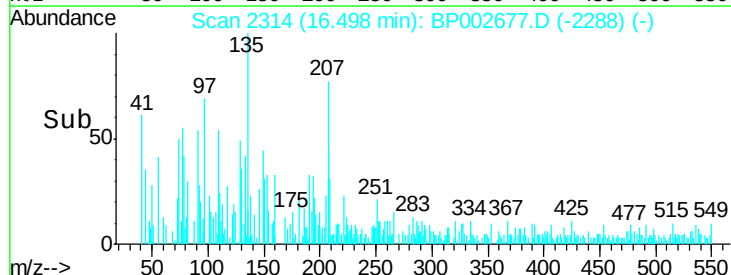
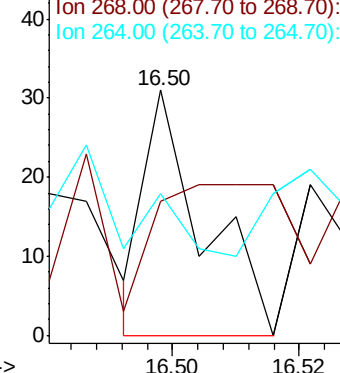


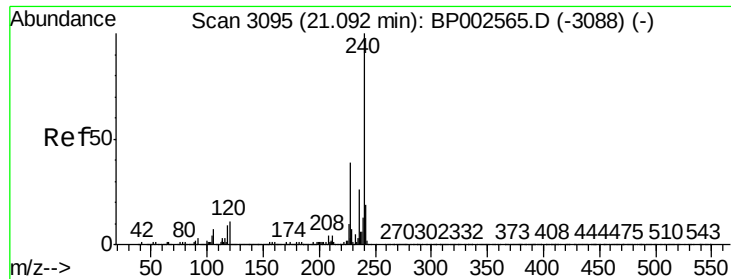
#70
Pentachlorophenol
Concen: 2.664 ng
RT: 16.50 min Scan# 2314
Delta R.T. -0.15 min
Lab File: BP002677.D
Acq: 08 Jul 2020 16:19

Tgt Ion:266 Resp: 20
Ion Ratio Lower Upper
266 100
268 54.8 49.7 74.5
264 58.1 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

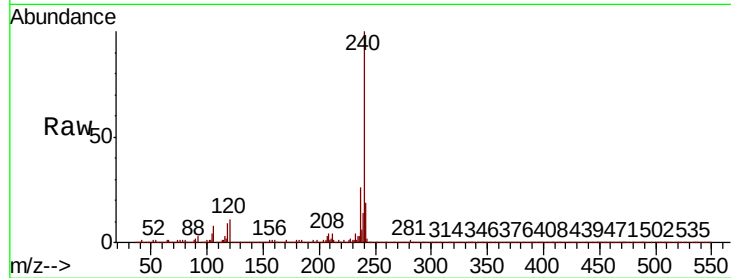




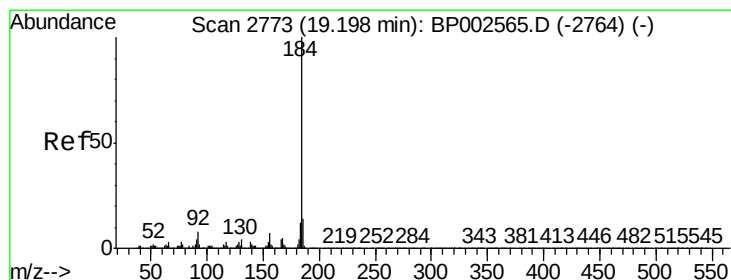
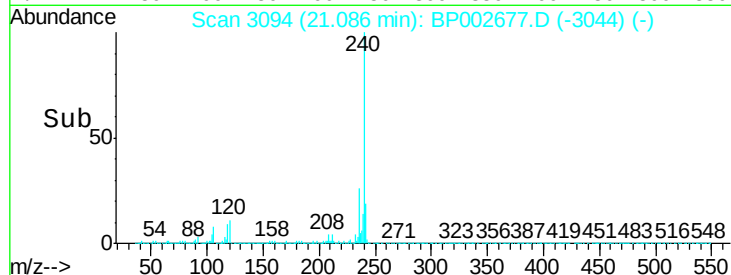
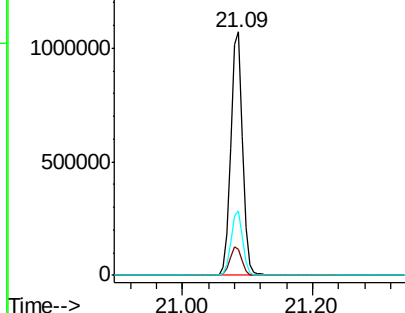
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.09 min Scan# 3094
 Delta R.T. -0.01 min
 Lab File: BP002677.D
 Acq: 08 Jul 2020 16:19

Instrument :
 BNA_P
 ClientSampleId :
 RO-24

Tot Ion:240 Resp: 1337334
 Ion Ratio Lower Upper
 240 100
 120 10.6 8.6 13.0
 236 26.3 20.8 31.2

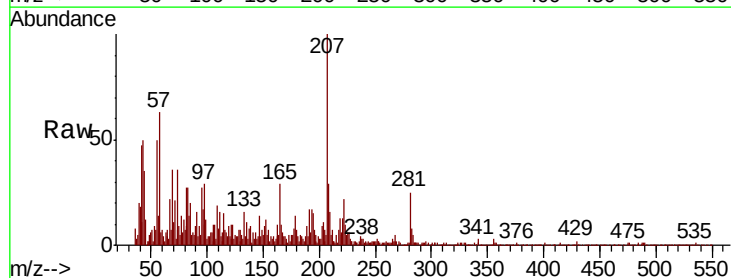


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

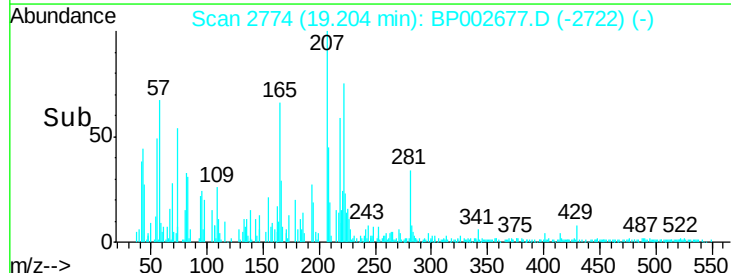
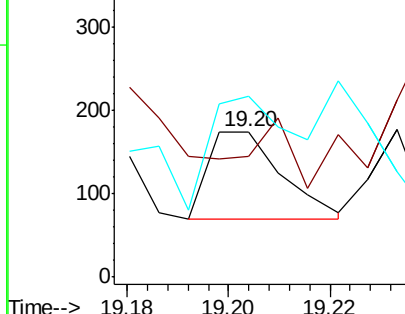


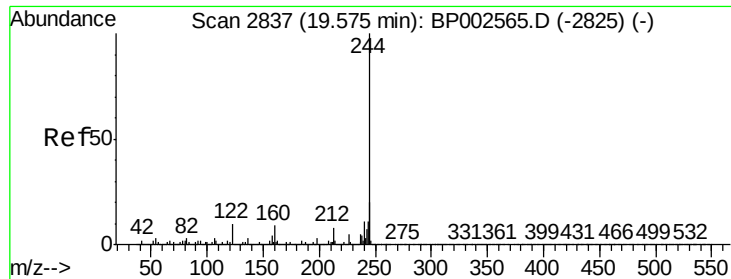
#77
 Benzidine
 Concen: 3.758 ng
 RT: 19.20 min Scan# 2774
 Delta R.T. 0.01 min
 Lab File: BP002677.D
 Acq: 08 Jul 2020 16:19

Tgt Ion:184 Resp: 106
 Ion Ratio Lower Upper
 184 100
 185 82.9 11.4 17.2#
 183 124.6 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: 51.811 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

Instrument :

BNA_P

ClientSampleId :

RO-24

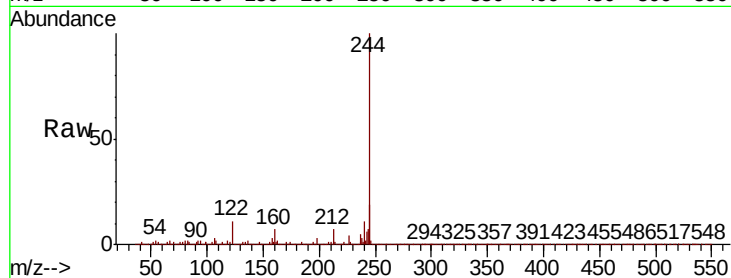
Tot Ion:244 Resp: 3210053

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

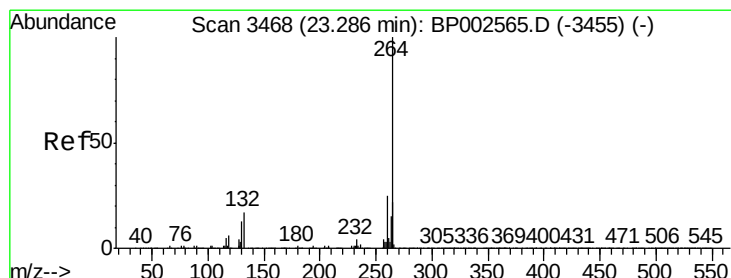
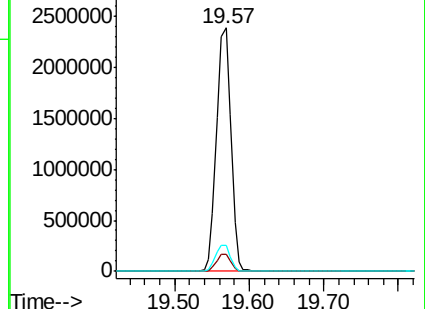
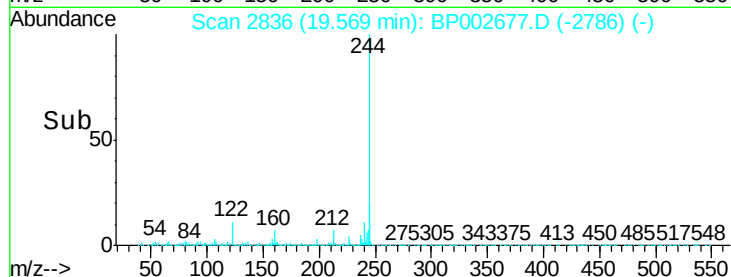
122 10.6 7.9 11.9



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

Perylene-d12

Concen: 20.000 ng

RT: 23.28 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

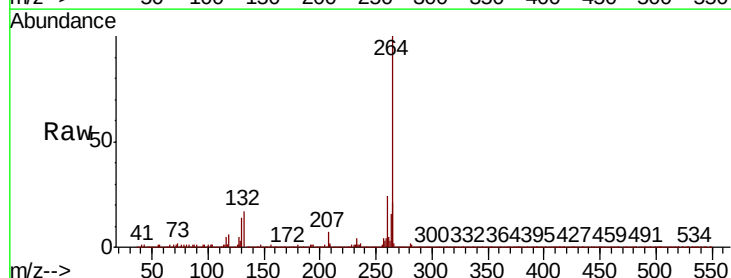
Tgt Ion:264 Resp: 1279261

Ion Ratio Lower Upper

264 100

260 24.0 19.7 29.5

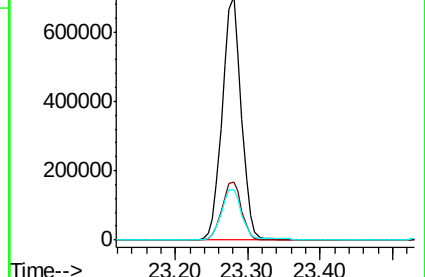
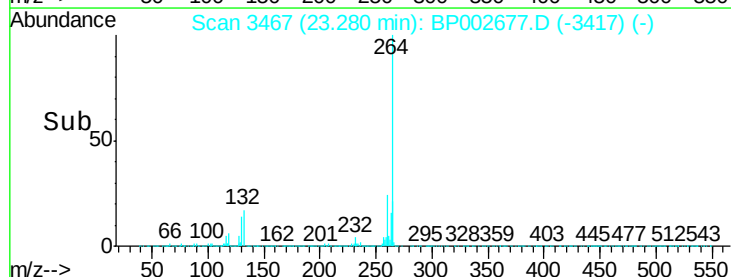
265 20.9 17.6 26.4

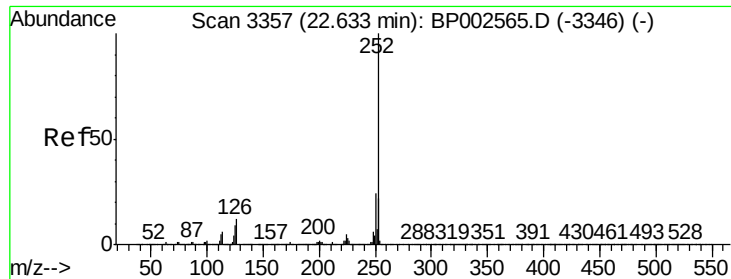


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.021 ng

RT: 22.63 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

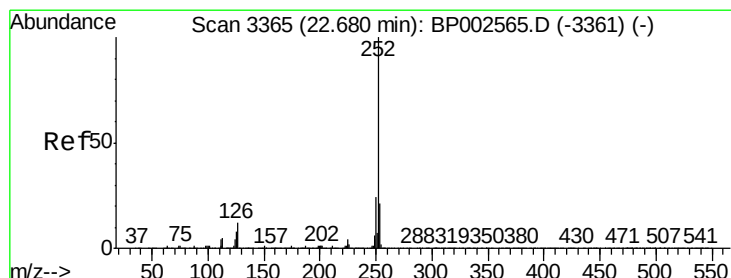
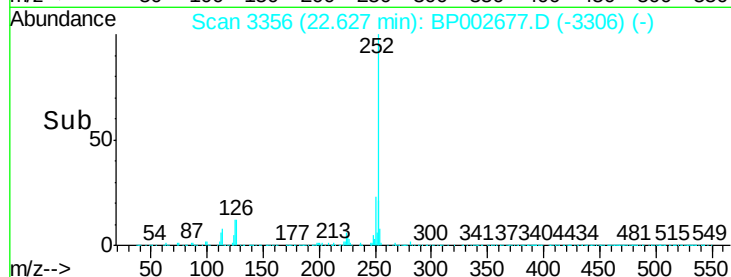
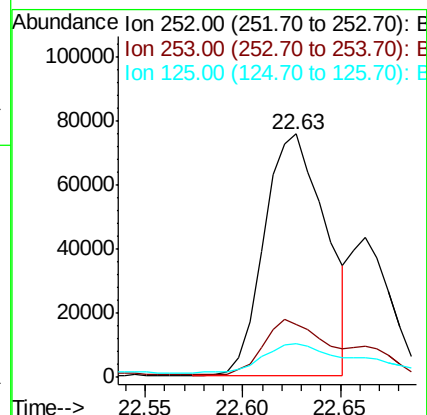
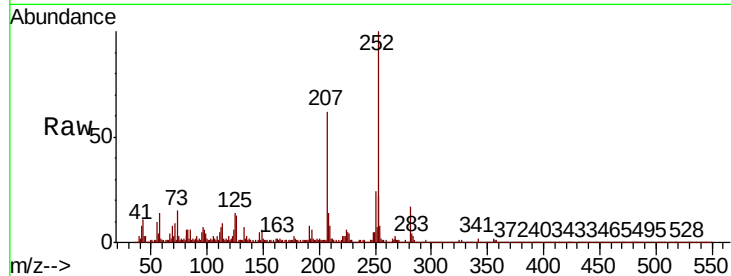
Instrument :

BNA_P

ClientSampleId :

RO-24

Tot Ion:252	Resp:	164995
Ion Ratio	Lower	Upper
252	100	
253	21.5	17.7 26.5
125	13.9	7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.167 ng

RT: 22.63 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BP002677.D

Acq: 08 Jul 2020 16:19

Tgt Ion:252	Resp:	164995
Ion Ratio	Lower	Upper
252	100	
253	21.5	17.4 26.0
125	13.9	6.9 10.3#

