

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070920\
 Data File : BP002706.D
 Acq On : 09 Jul 2020 20:13
 Operator : CG/JU
 Sample : L3203-17RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-16RE

Quant Time: Jul 10 00:31:35 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	57030	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	265490	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	193231	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	514953	20.00	ng	0.00
76) Chrysene-d12	21.08	240	811242	20.00	ng	-0.01
86) Perylene-d12	23.27	264	1024120	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	242658	72.04	ng	0.00
7) Phenol-d6	6.77	99	391145	83.20	ng	0.00
23) Nitrobenzene-d5	8.71	82	254839	49.46	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	185893	79.10	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	673452	51.30	ng	-0.01
79) Terphenyl-d14	19.56	244	1779798	47.36	ng	-0.01

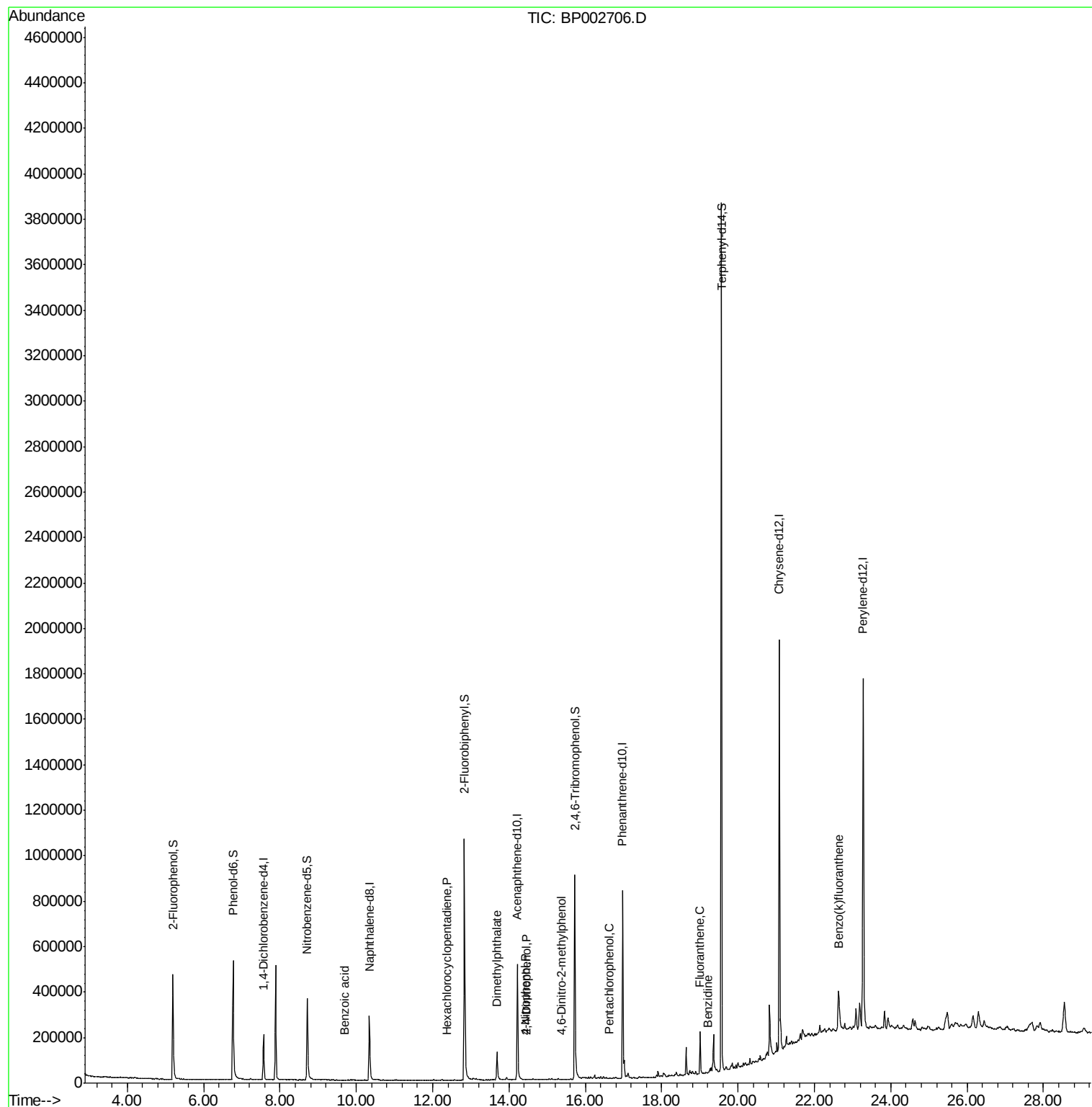
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	131	Below Cal		# 22
32) Benzoic acid	9.69	122	24	8.706	ng	# 1
41) Hexachlorocyclopentadiene	12.36	237	16	4.386	ng	89
50) Dimethylphthalate	13.68	163	111750	7.363	ng	98
54) 2,4-Dinitrophenol	14.46	184	47	6.030	ng	87
56) 4-Nitrophenol	14.42	139	47	2.452	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.36	198	27	2.717	ng	# 1
70) Pentachlorophenol	16.62	266	52	2.676	ng	# 71
75) Fluoranthene	19.00	202	106906	3.188	ng	98
77) Benzidine	19.20	184	151	3.760	ng	# 1
89) Benzo(k)fluoranthene	22.62	252	122043	2.002	ng	# 96

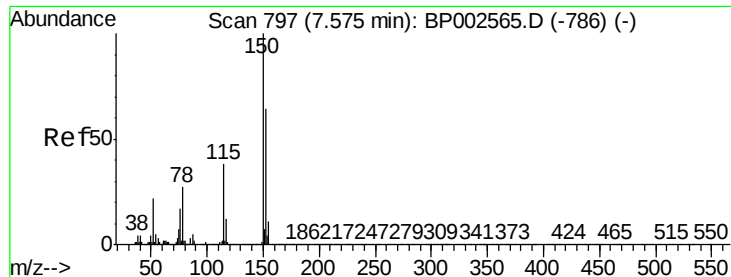
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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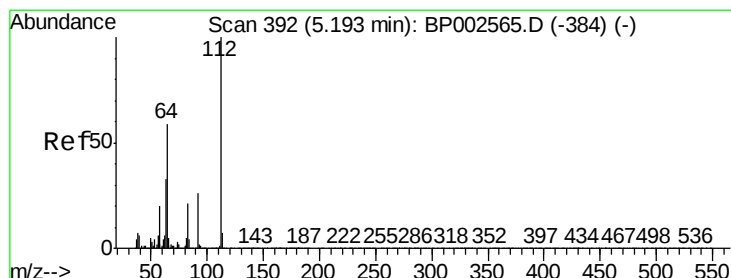
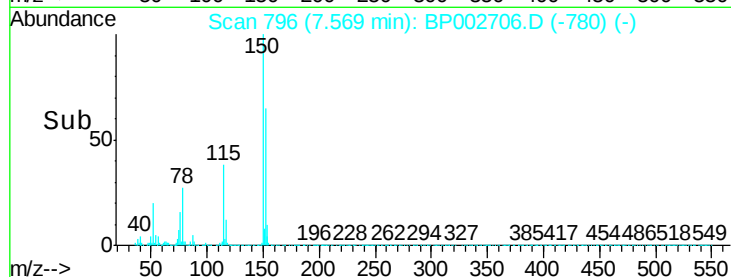
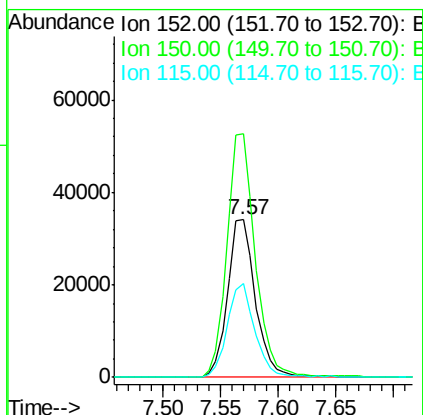
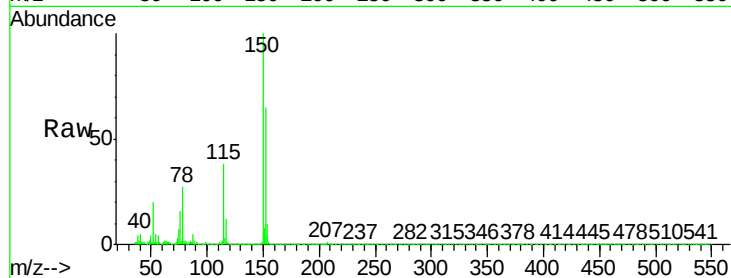


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Instrument :
BNA_P
ClientSampleId :
RO-16RE

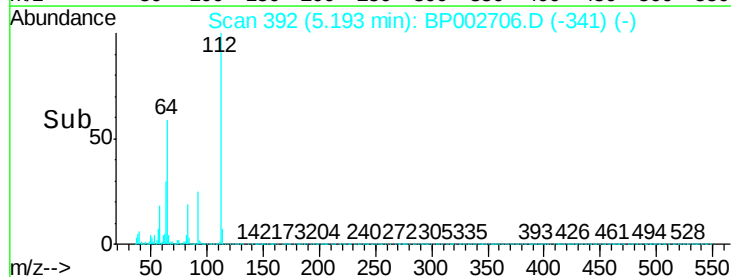
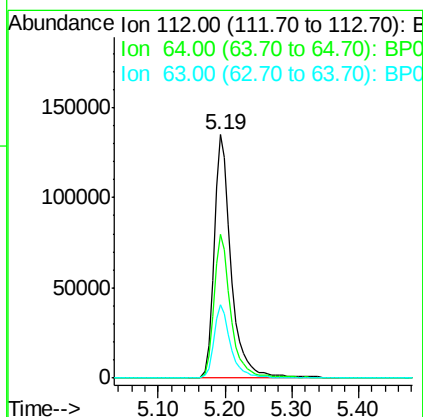
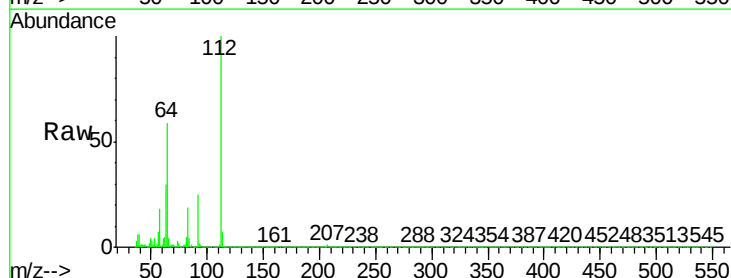
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.2	186.2
115	59.2	47.1	70.7

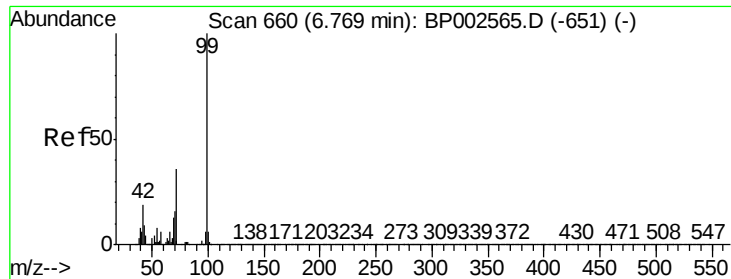


#5

2-Fluorophenol
Concen: 72.041 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.0	70.6
63	30.1	26.1	39.1





#7

Phenol-d6

Concen: 83.198 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002706.D

Acq: 09 Jul 2020 20:13

Instrument :

BNA_P

ClientSampled :

RO-16RE

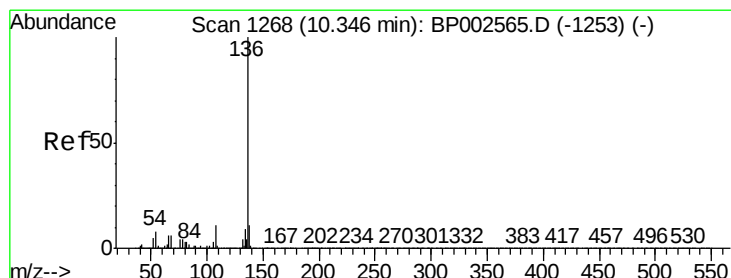
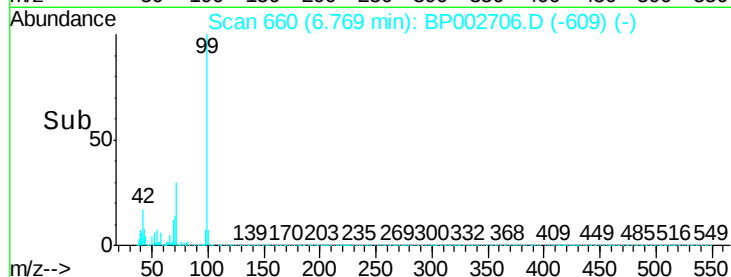
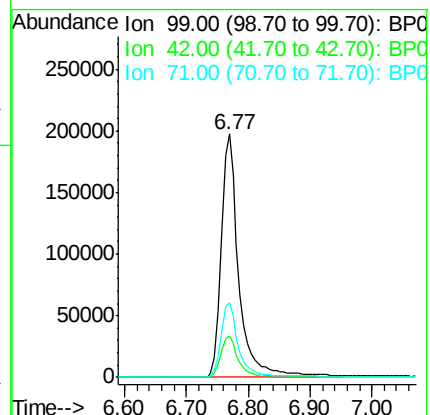
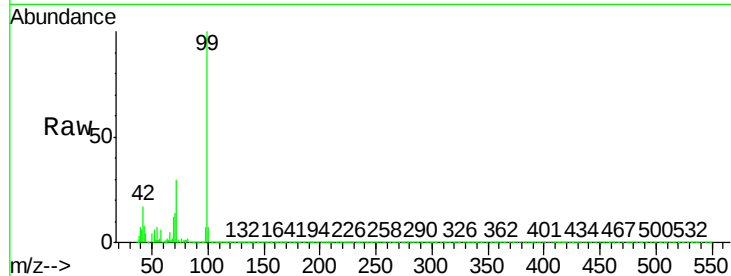
Tot Ion: 99 Resp: 391145

Ion Ratio Lower Upper

99 100

42 16.9 15.5 23.3

71 30.4 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: BP002706.D

Acq: 09 Jul 2020 20:13

Tgt Ion: 136 Resp: 265490

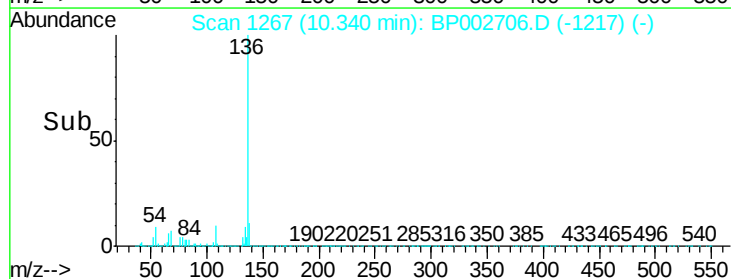
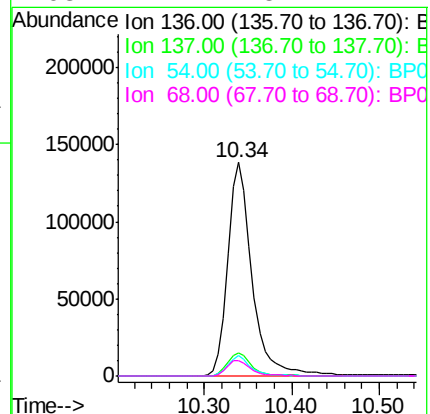
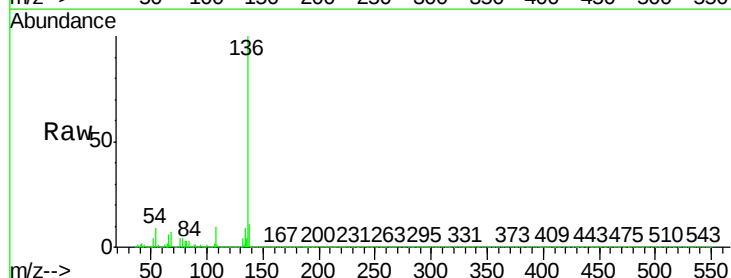
Ion Ratio Lower Upper

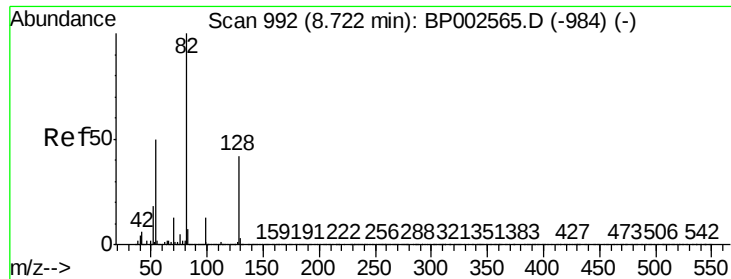
136 100

137 10.7 8.8 13.2

54 9.3 6.4 9.6

68 7.4 5.1 7.7

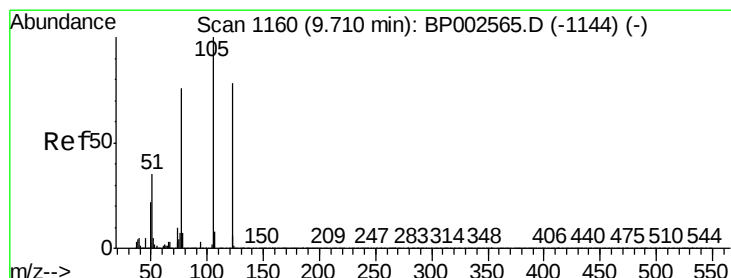
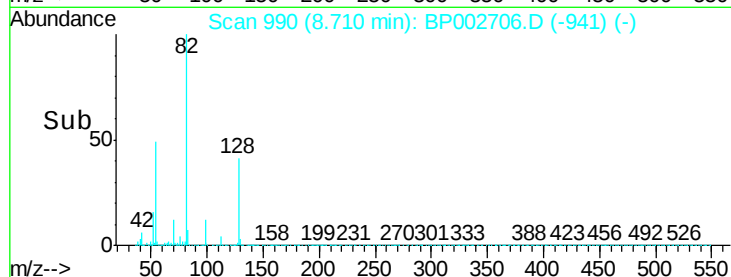
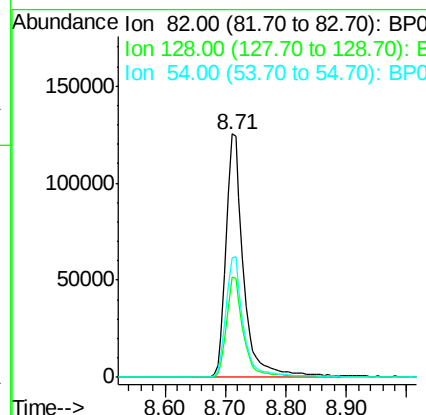
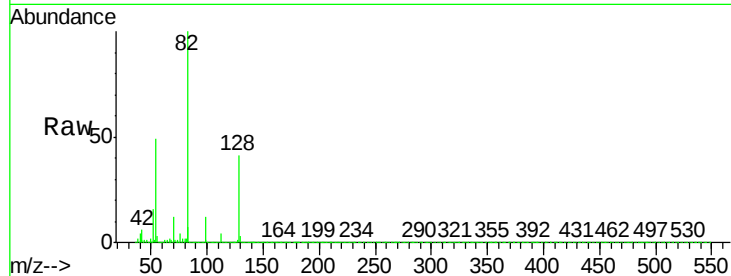




#23
Nitrobenzene-d5
Concen: 49.458 ng
RT: 8.71 min Scan# 990
Delta R.T. -0.01 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

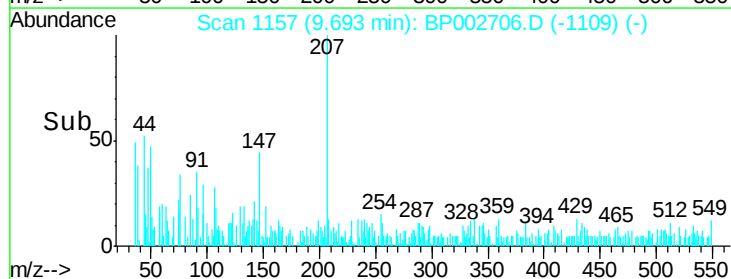
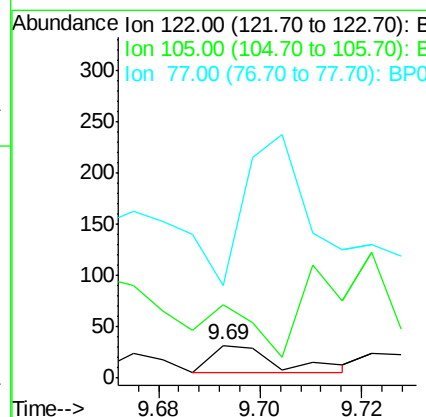
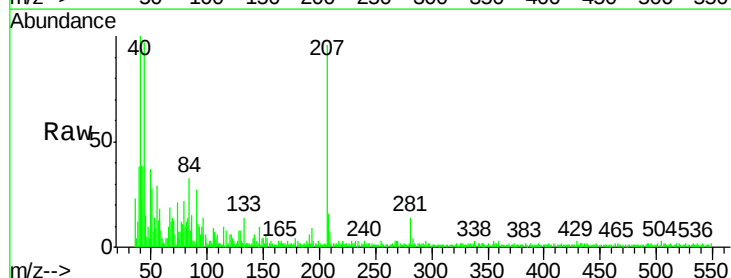
Instrument :
BNA_P
ClientSampleId :
RO-16RE

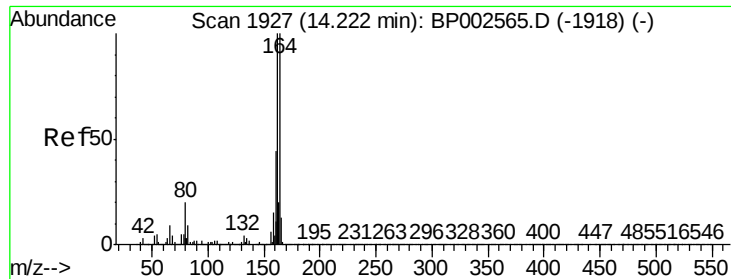
Tot Ion	82	Resp	254839
Ion Ratio	Lower	Upper	
82	100		
128	41.1	33.4	50.2
54	49.2	40.1	60.1



#32
Benzoic acid
Concen: 8.706 ng
RT: 9.69 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Tgt Ion	122	Resp	24
Ion Ratio	Lower	Upper	
122	100		
105	225.0	106.6	146.6#
77	281.3	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: BP002706.D

Acq: 09 Jul 2020 20:13

Instrument :

BNA_P

ClientSampleId :

RO-16RE

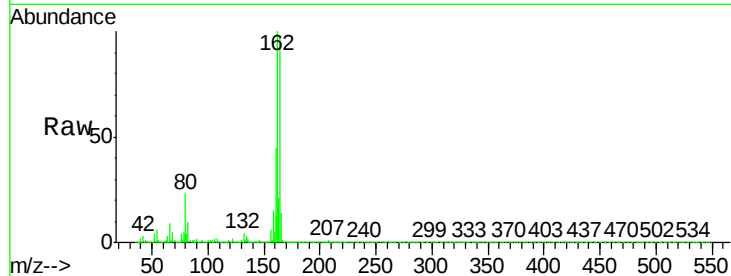
Tot Ion:164 Resp: 193231

Ion Ratio Lower Upper

164 100

162 101.6 80.3 120.5

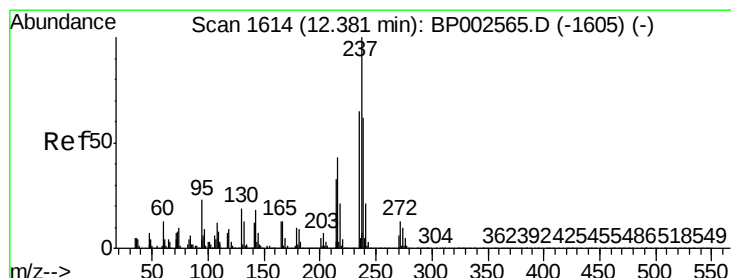
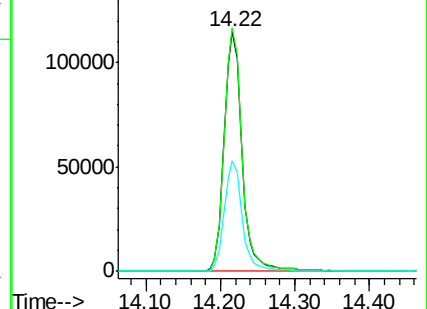
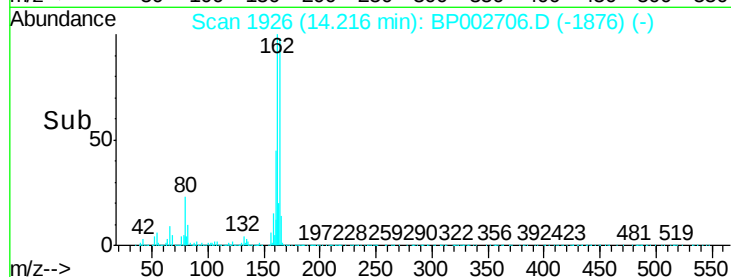
160 46.2 35.0 52.6



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: 4.386 ng

RT: 12.36 min Scan# 1610

Delta R.T. -0.02 min

Lab File: BP002706.D

Acq: 09 Jul 2020 20:13

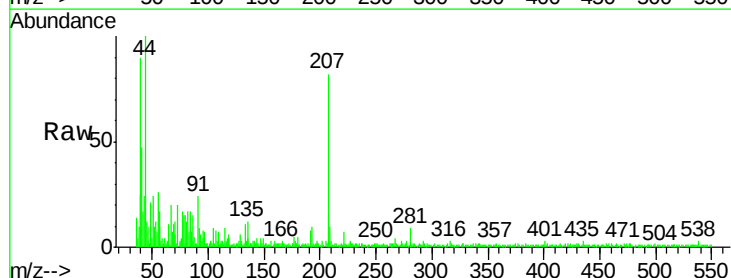
Tgt Ion:237 Resp: 16

Ion Ratio Lower Upper

237 100

235 60.0 45.4 85.4

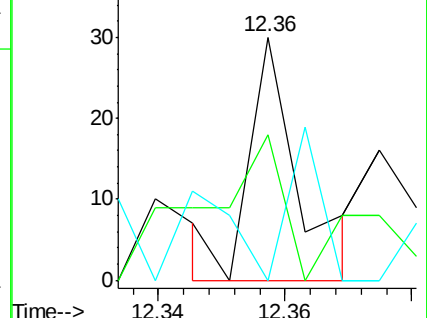
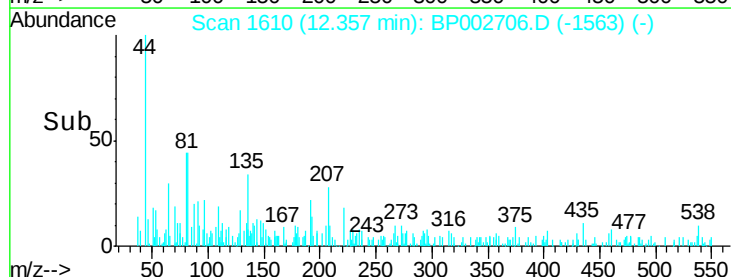
272 0.0 0.0 32.6

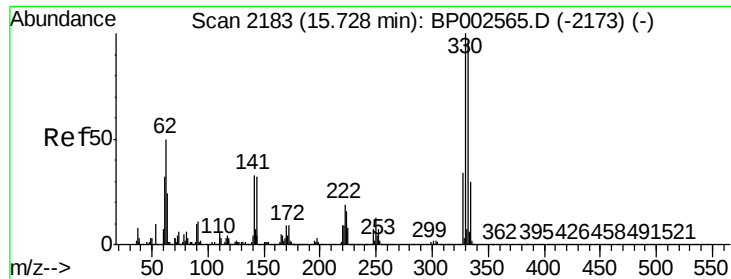


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

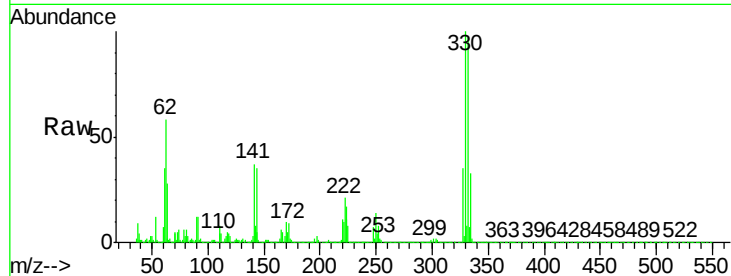




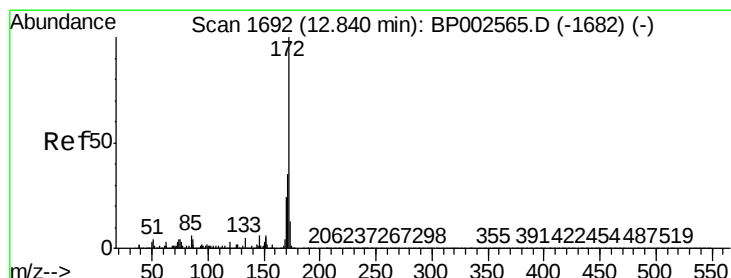
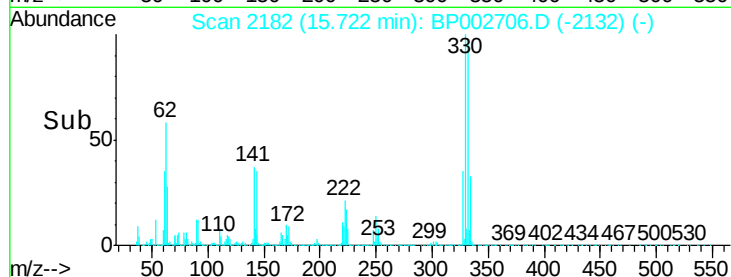
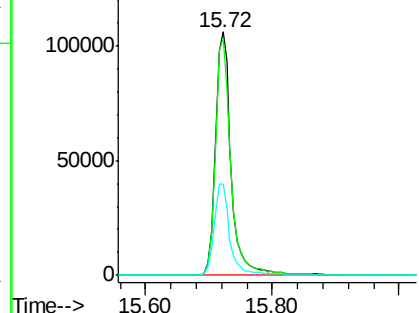
#42
 2,4,6-Tribromophenol
 Concen: 79.096 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002706.D
 Acq: 09 Jul 2020 20:13

Instrument :
 BNA_P
 ClientSampleId :
 RO-16RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.7	116.5
141	37.5	29.0	43.6

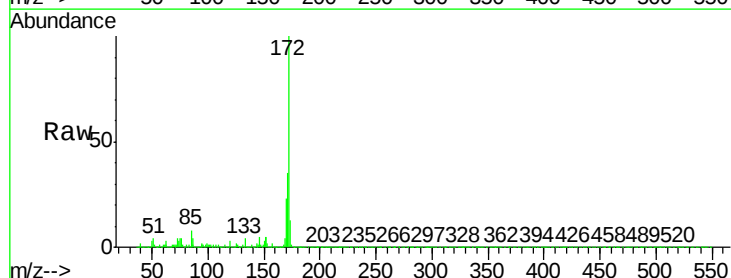


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

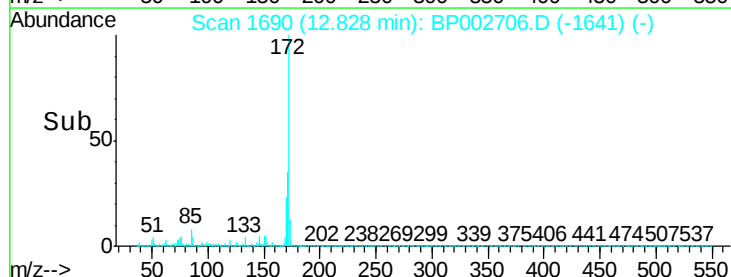
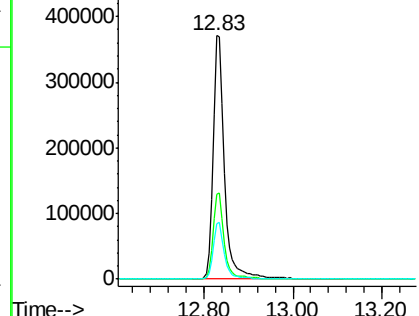


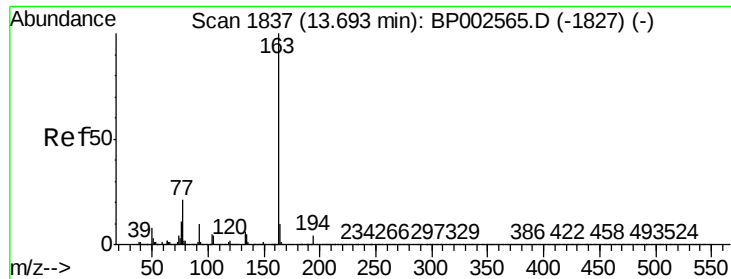
#45
 2-Fluorobiphenyl
 Concen: 51.297 ng
 RT: 12.83 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BP002706.D
 Acq: 09 Jul 2020 20:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.0	42.0
170	22.7	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

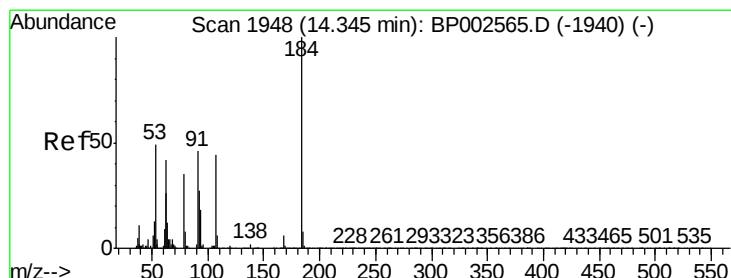
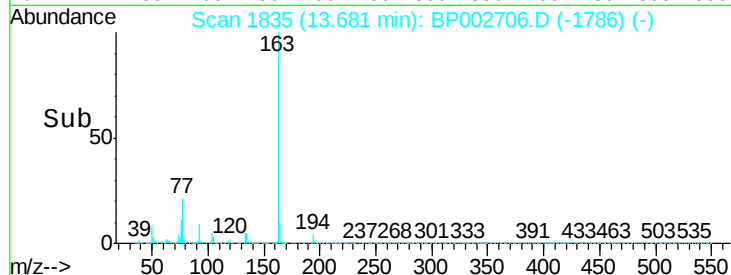
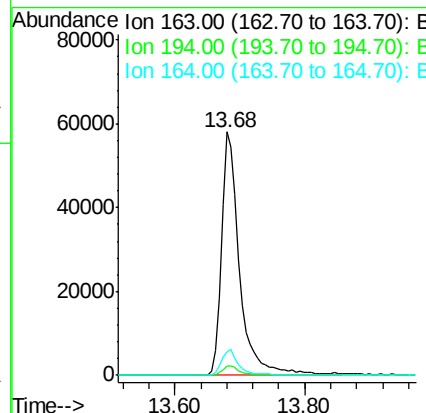
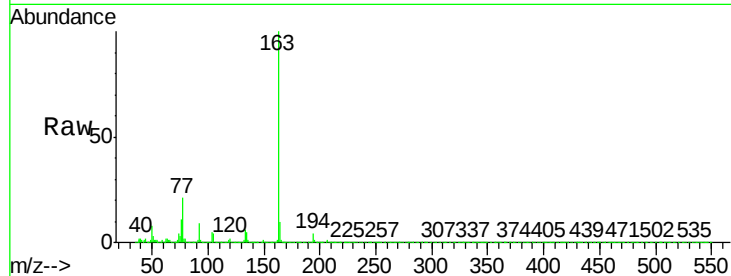




#50
Dimethylphthalate
Concen: 7.363 ng
RT: 13.68 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

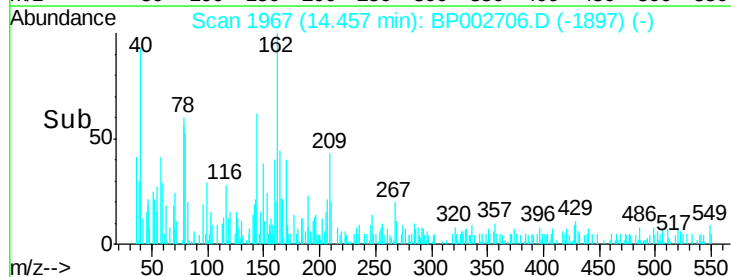
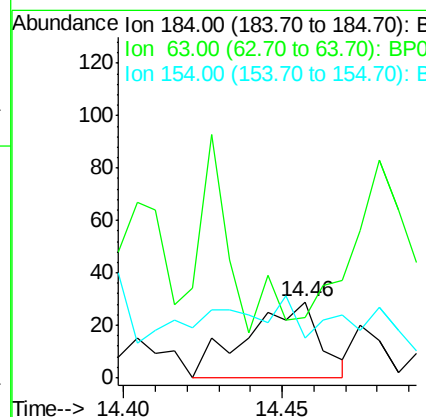
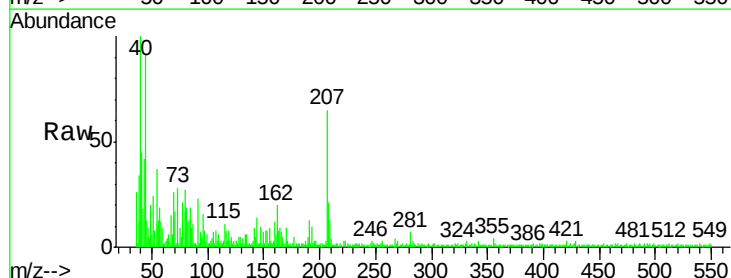
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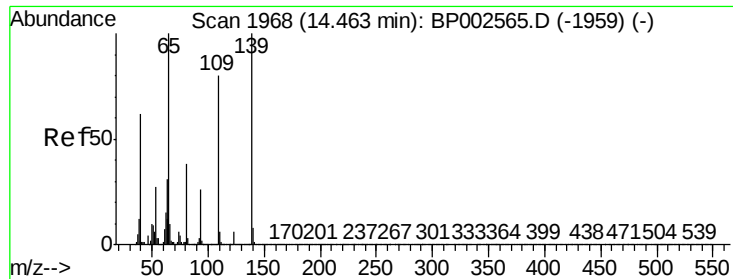
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	9.5	8.2	12.4



#54
2,4-Dinitrophenol
Concen: 6.030 ng
RT: 14.46 min Scan# 1967
Delta R.T. 0.11 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Tgt Ion	Ratio	Lower	Upper
184	100		
63	79.3	56.2	84.2
154	51.7	50.9	76.3

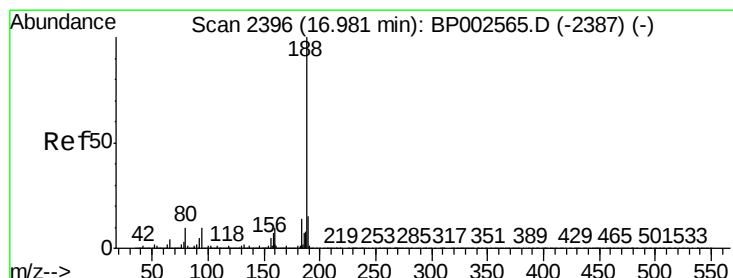
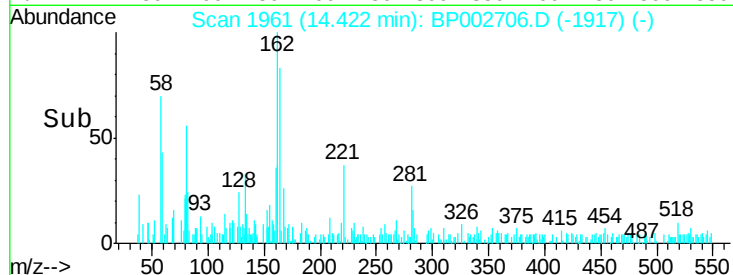
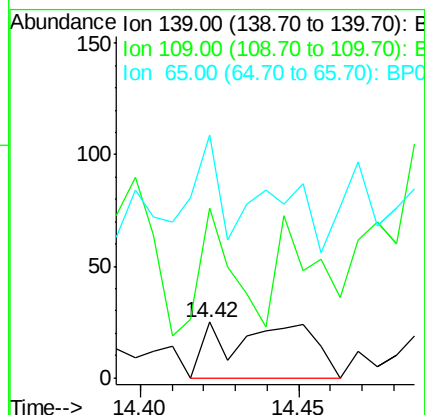
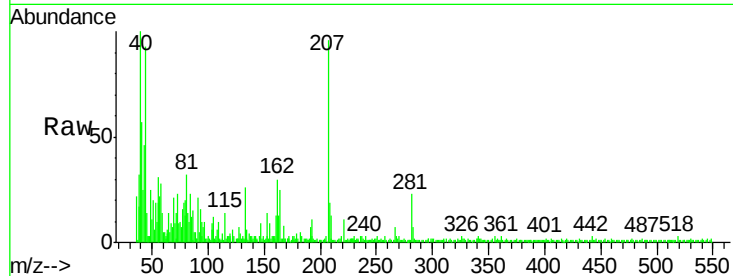




#56
4-Nitrophenol
Concen: 2.452 ng
RT: 14.42 min Scan# 1961
Delta R.T. -0.04 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

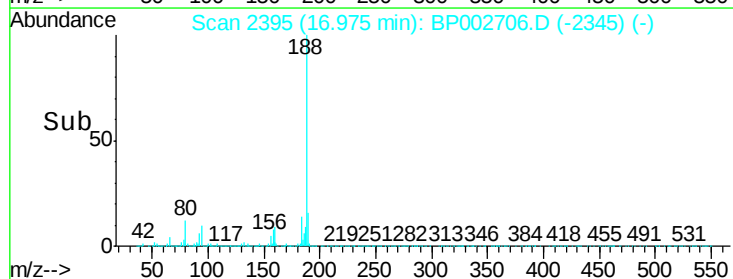
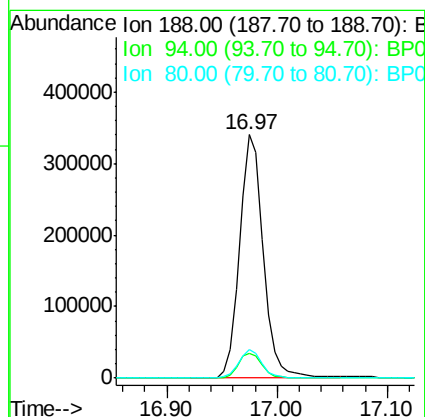
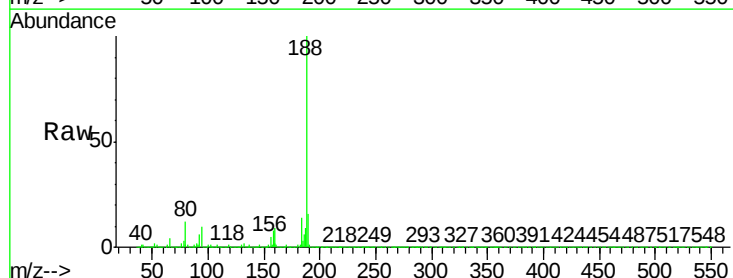
Instrument :
BNA_P
ClientSampled :
RO-16RE

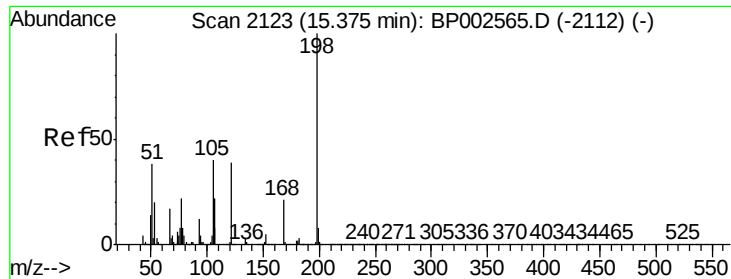
Tot Ion:139 Resp: 47
Ion Ratio Lower Upper
139 100
109 304.0 60.1 100.1#
65 436.0 80.3 120.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Tgt Ion:188 Resp: 514953
Ion Ratio Lower Upper
188 100
94 10.4 7.8 11.6
80 11.8 8.2 12.4

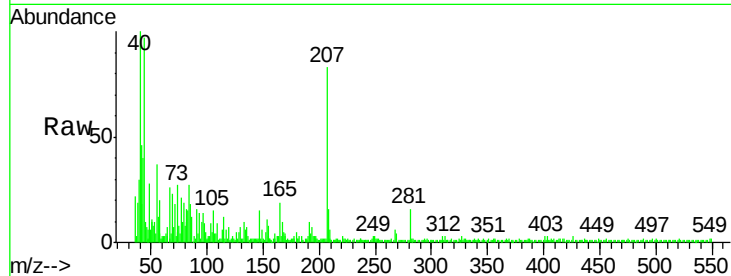




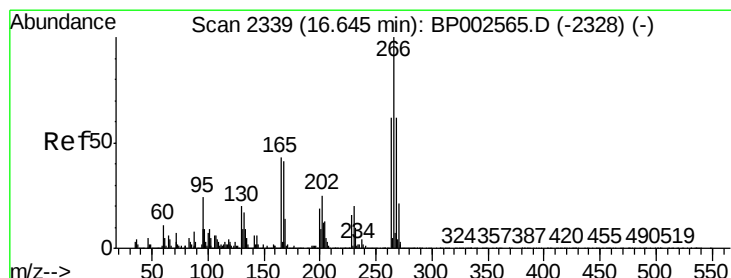
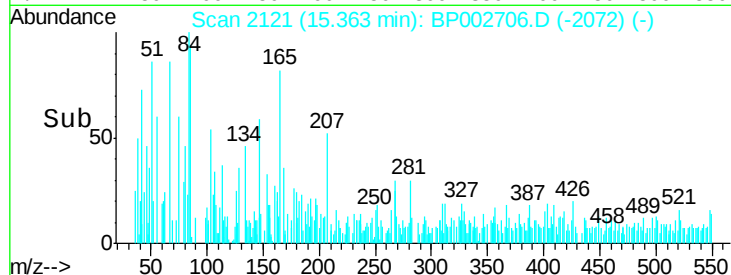
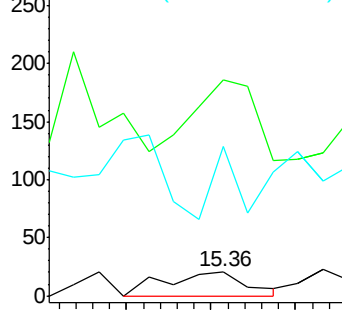
#65
4,6-Dinitro-2-methylphenol
Concen: 2.717 ng
RT: 15.36 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Instrument :
BNA_P
ClientSampleId :
RO-16RE

Tot Ion:198 Resp: 27
Ion Ratio Lower Upper
198 100
51 885.7 24.2 64.2#
105 614.3 20.7 60.7#

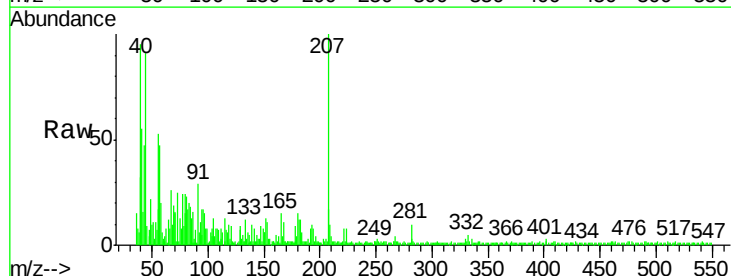


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BP0
Ion 105.00 (104.70 to 105.70): E

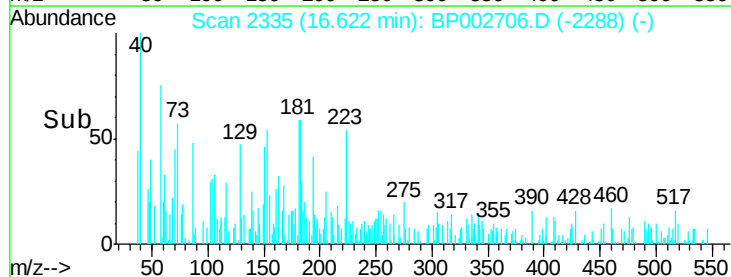
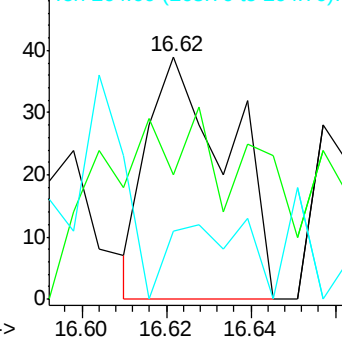


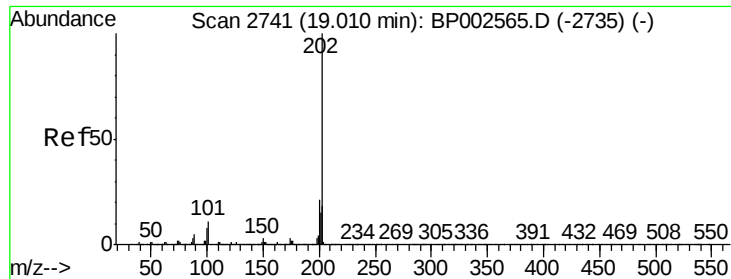
#70
Pentachlorophenol
Concen: 2.676 ng
RT: 16.62 min Scan# 2335
Delta R.T. -0.02 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Tgt Ion:266 Resp: 52
Ion Ratio Lower Upper
266 100
268 51.3 49.7 74.5
264 28.2 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





#75

Fluoranthene

Concen: 3.188 ng

RT: 19.00 min Scan# 2740

Delta R.T. -0.01 min

Lab File: BP002706.D

Acq: 09 Jul 2020 20:13

Instrument :

BNA_P

ClientSampled :

RO-16RE

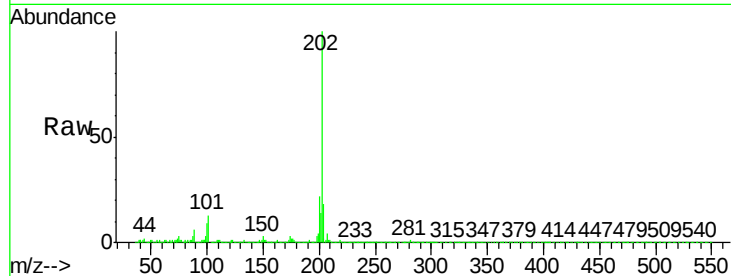
Tot Ion:202 Resp: 106906

Ion Ratio Lower Upper

202 100

101 12.8 0.0 30.6

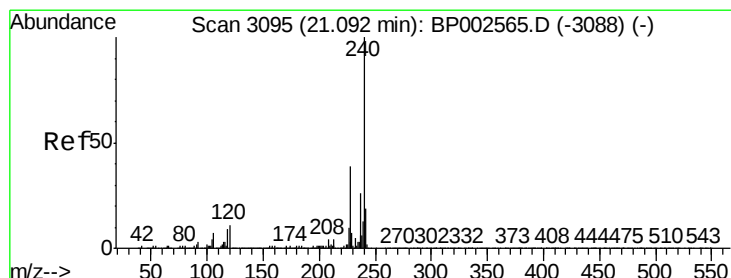
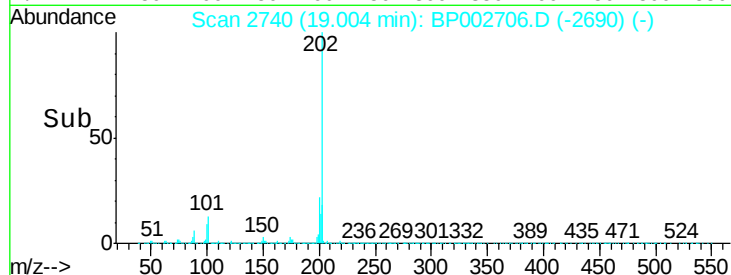
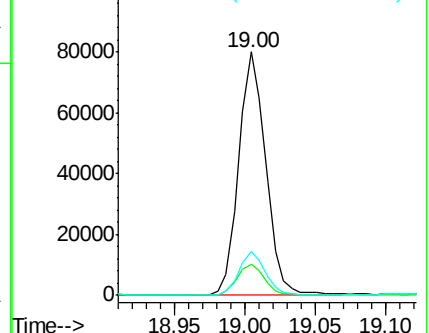
203 17.8 0.0 37.7



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: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002706.D

Acq: 09 Jul 2020 20:13

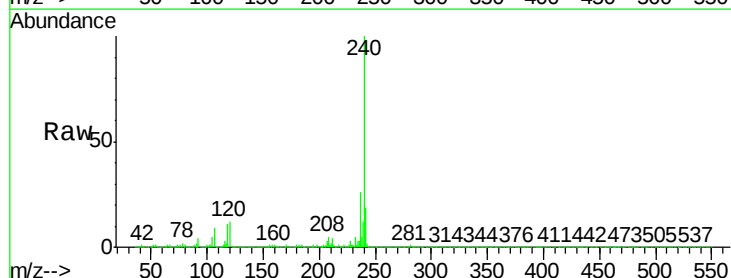
Tgt Ion:240 Resp: 811242

Ion Ratio Lower Upper

240 100

120 11.8 8.6 13.0

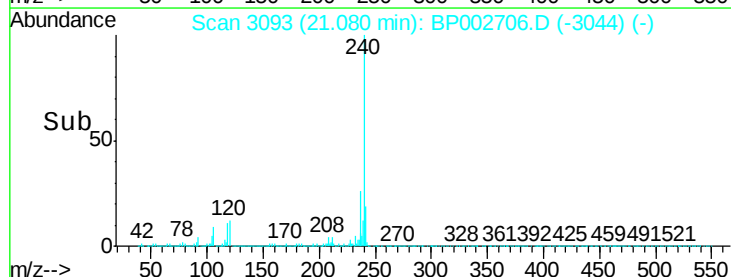
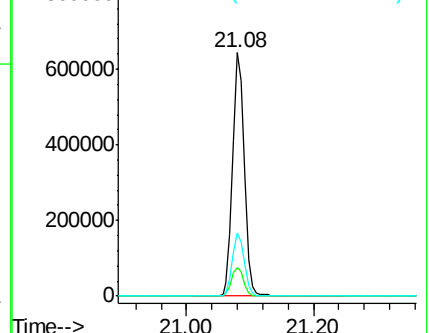
236 26.2 20.8 31.2

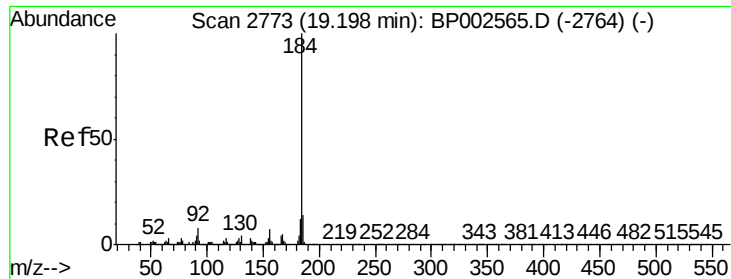


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.760 ng

RT: 19.20 min Scan# 2774

Delta R.T. 0.01 min

Lab File: BP002706.D

Acq: 09 Jul 2020 20:13

Instrument :

BNA_P

ClientSampleId :

RO-16RE

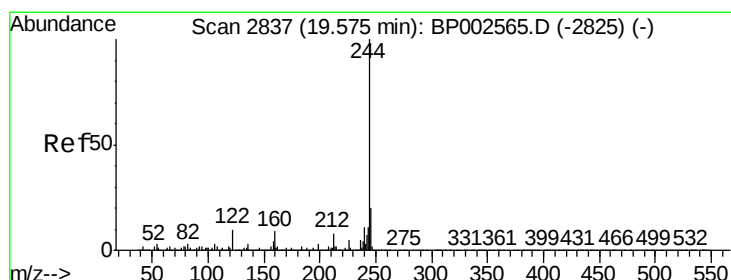
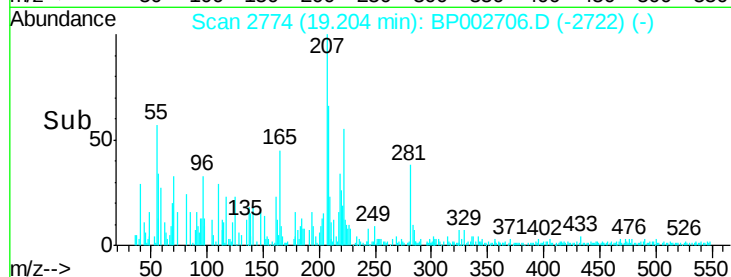
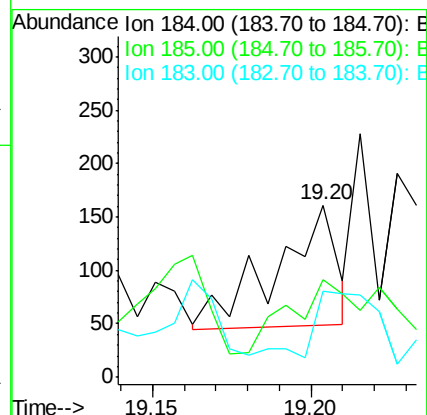
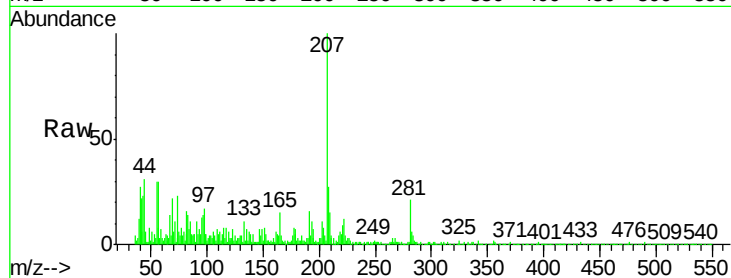
Tot Ion:184 Resp: 151

Ion Ratio Lower Upper

184 100

185 56.5 11.4 17.2#

183 50.3 9.2 13.8#



#79

Terphenyl-d14

Concen: 47.355 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP002706.D

Acq: 09 Jul 2020 20:13

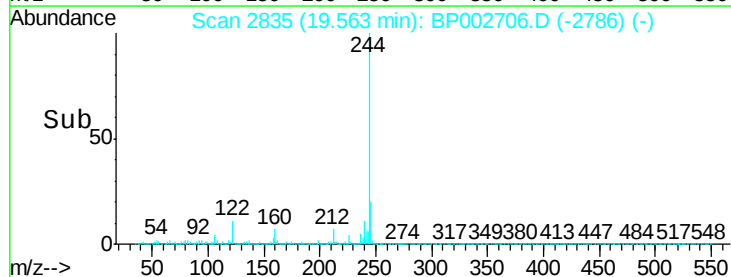
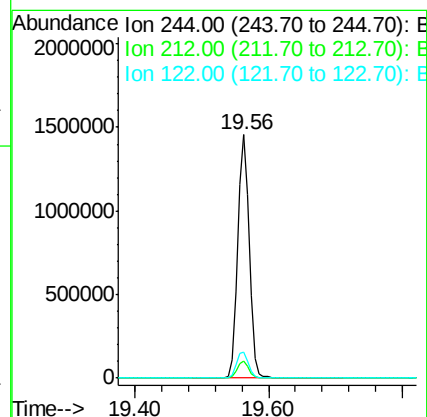
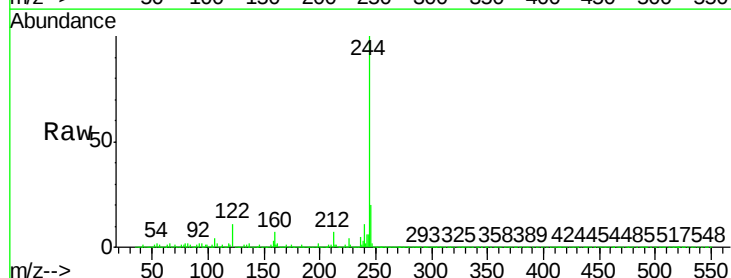
Tgt Ion:244 Resp: 1779798

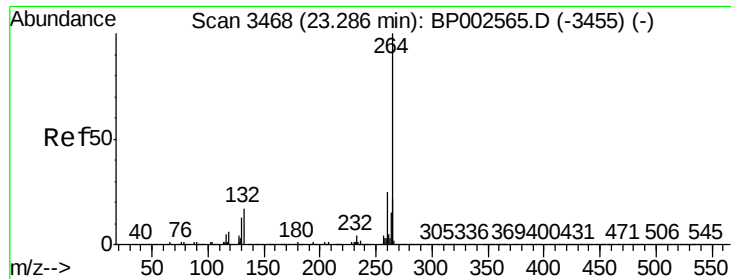
Ion Ratio Lower Upper

244 100

212 6.9 6.5 9.7

122 10.8 7.9 11.9



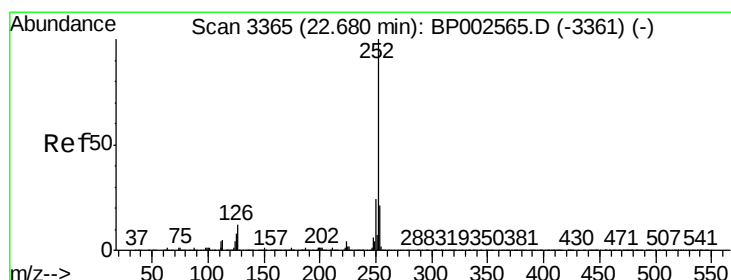
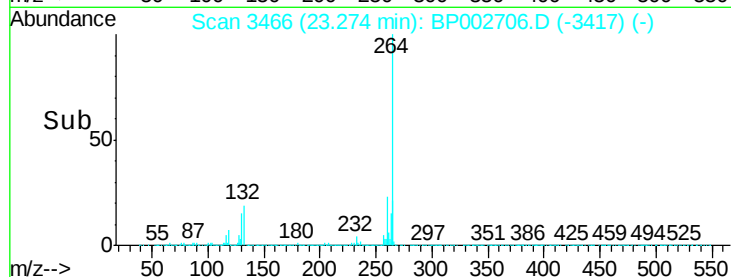
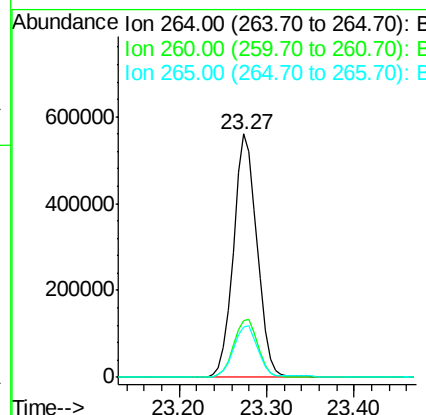
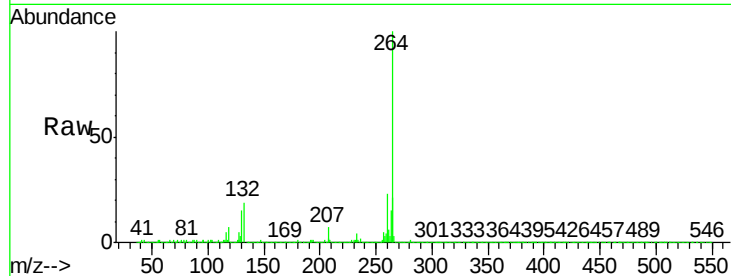


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3466
Delta R.T. -0.01 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Instrument :
BNA_P
ClientSampleId :
RO-16RE

Tot Ion:264 Resp: 1024120

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.7	29.5
265	20.9	17.6	26.4



#89
Benzo(k)fluoranthene
Concen: 2.002 ng
RT: 22.62 min Scan# 3355
Delta R.T. -0.06 min
Lab File: BP002706.D
Acq: 09 Jul 2020 20:13

Tgt Ion:252 Resp: 122043

Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.4	26.0
125	11.7	6.9	10.3

