

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
 Data File : BP002865.D
 Acq On : 24 Jul 2020 21:39
 Operator : CG/JU
 Sample : L3382-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CTR-007

Quant Time: Jul 24 23:58:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 24 15:50:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	38333	20.00	ng	0.00
21) Naphthalene-d8	10.31	136	159373	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	105770	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	263556	20.00	ng	0.00
76) Chrysene-d12	21.05	240	365739	20.00	ng	0.00
86) Perylene-d12	23.23	264	439240	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	213328	93.89	ng	0.00
7) Phenol-d6	6.74	99	295943	91.27	ng	0.00
23) Nitrobenzene-d5	8.69	82	169156	56.77	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	105797	95.82	ng	0.00
45) 2-Fluorobiphenyl	12.80	172	399777	58.47	ng	0.00
79) Terphenyl-d14	19.53	244	789602	49.50	ng	0.00

Target Compounds

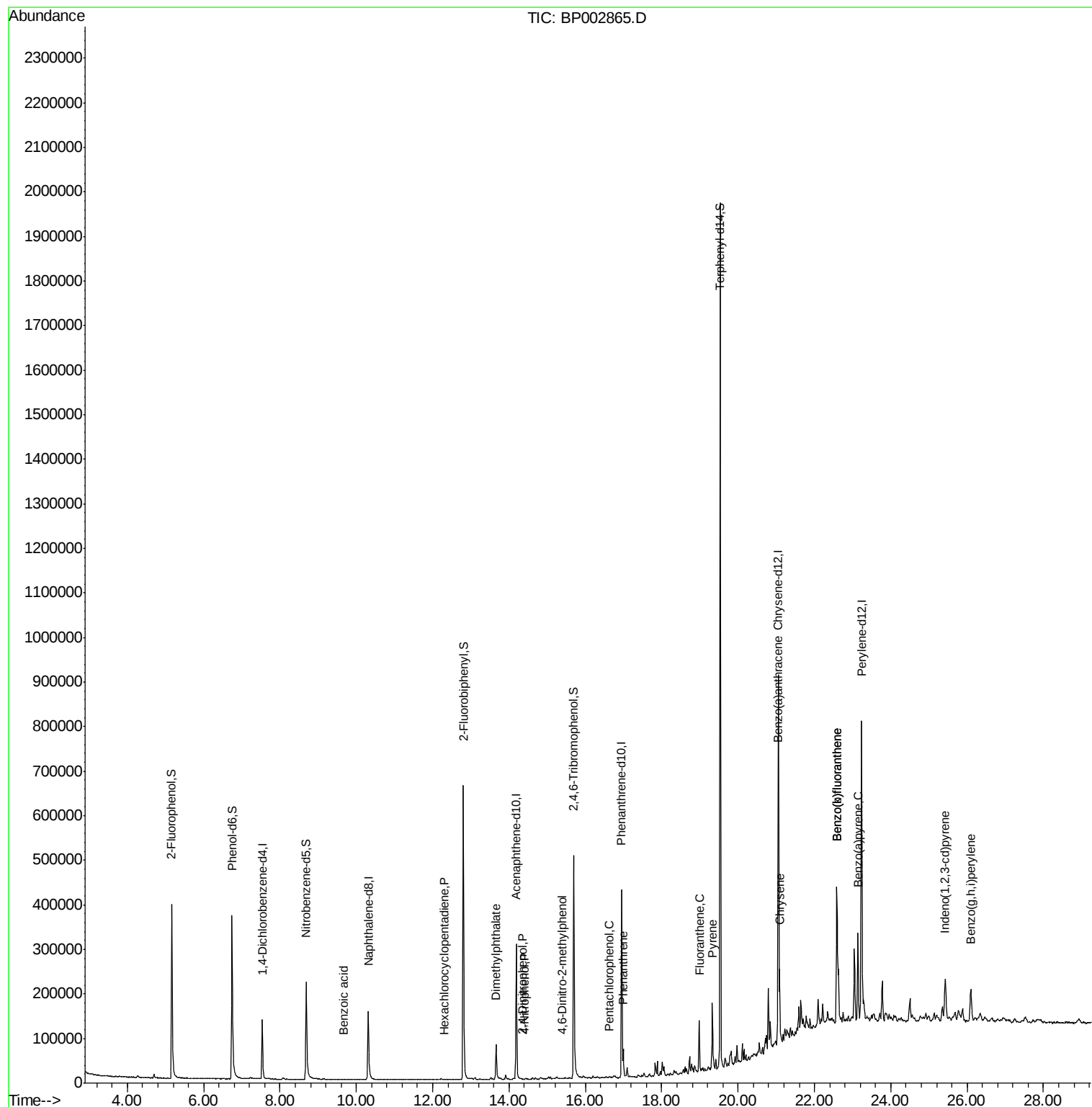
						Qvalue
32) Benzoic acid	9.67	122	14	7.069	ng	# 20
41) Hexachlorocyclopentadiene	12.29	237	21	7.447	ng	81
50) Dimethylphthalate	13.66	163	64577	8.006	ng	99
54) 2,4-Dinitrophenol	14.35	184	9	11.382	ng	# 1
56) 4-Nitrophenol	14.40	139	22	4.985	ng	86
65) 4,6-Dinitro-2-methylphenol	15.38	198	6	5.270	ng	# 1
70) Pentachlorophenol	16.62	266	22	7.455	ng	# 59
71) Phenanthrene	16.99	178	40514	2.839	ng	97
75) Fluoranthene	18.98	202	66980	4.051	ng	98
78) Pyrene	19.33	202	89451	3.542	ng	98
81) Benzo(a)anthracene	21.04	228	66378	2.804	ng	97
83) Chrysene	21.09	228	99684	4.423	ng	96
87) Indeno(1,2,3-cd)pyrene	25.43	276	86521	2.725	ng	99
88) Benzo(b)fluoranthene	22.59	252	195095	7.153	ng	98
89) Benzo(k)fluoranthene	22.59	252	195095	7.262	ng	# 95
90) Benzo(a)pyrene	23.14	252	92713	3.587	ng	98
92) Benzo(a,h,i)perylene	26.10	276	84271	3.246	ng	97

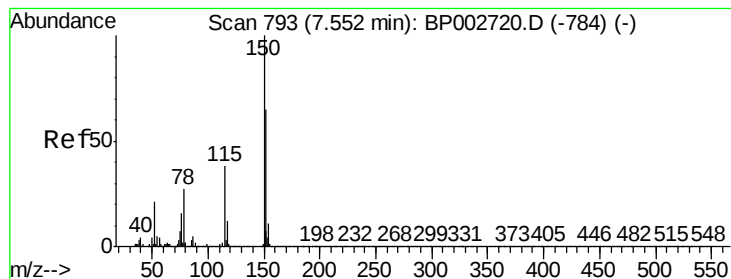
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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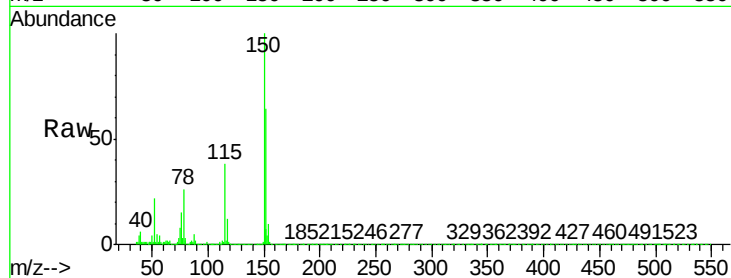


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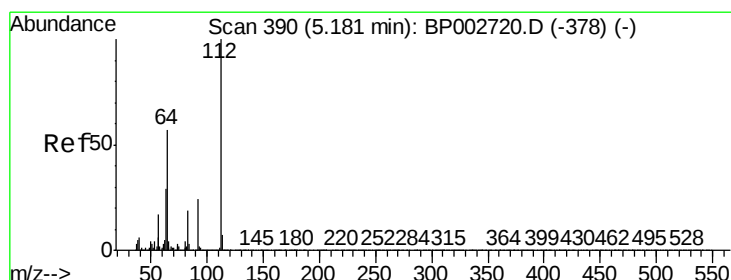
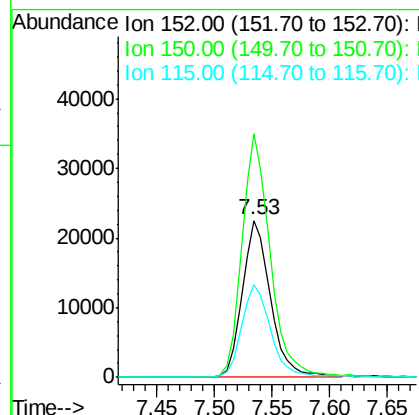
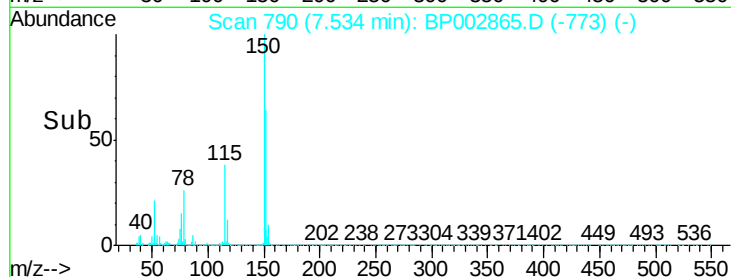
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.53 min Scan# 790
Delta R.T. 0.00 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Instrument :
BNA_P
ClientSampleId :
CTR-007

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.5	183.7
115	59.1	48.5	72.7



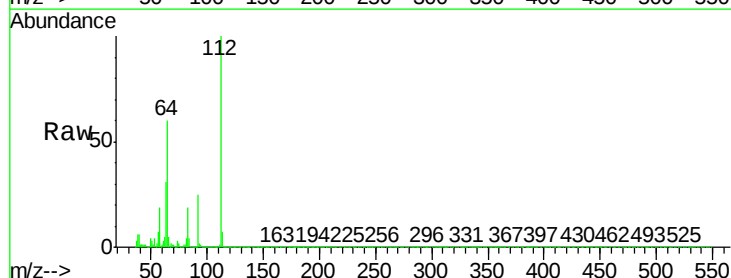
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



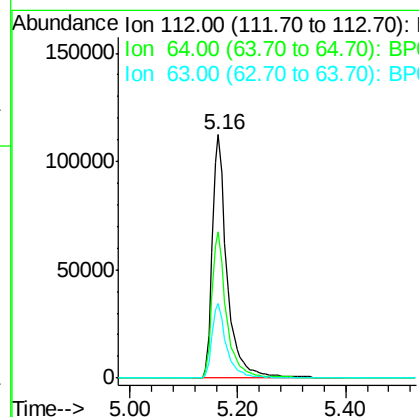
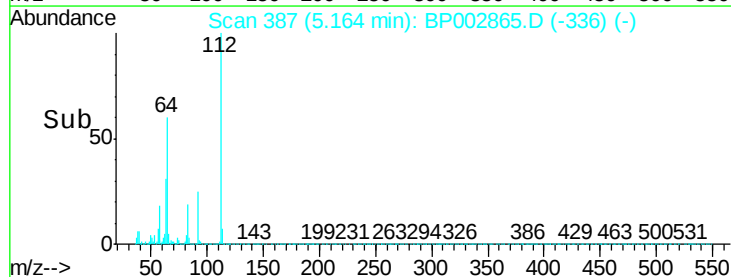
#5

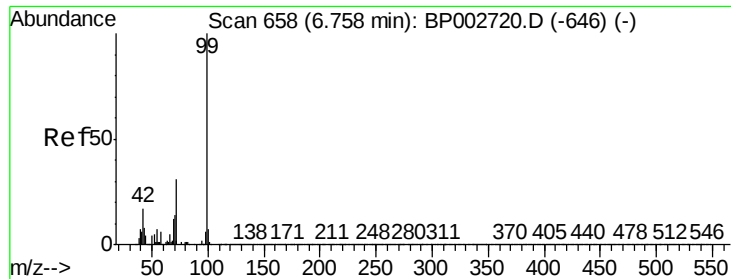
2-Fluorophenol
Concen: 93.894 ng
RT: 5.16 min Scan# 387
Delta R.T. 0.00 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	48.1	72.1
63	30.9	24.9	37.3



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: 91.269 ng

RT: 6.74 min Scan# 655

Delta R.T. -0.00 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Instrument :

BNA_P

ClientSampleId :

CTR-007

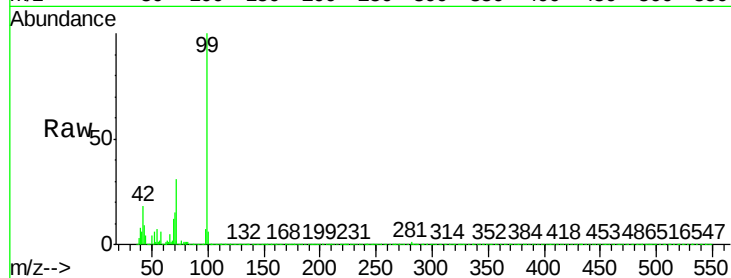
Tot Ion: 99 Resp: 295943

Ion Ratio Lower Upper

99 100

42 17.9 14.2 21.4

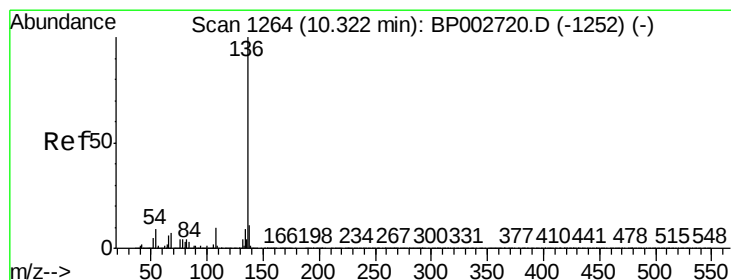
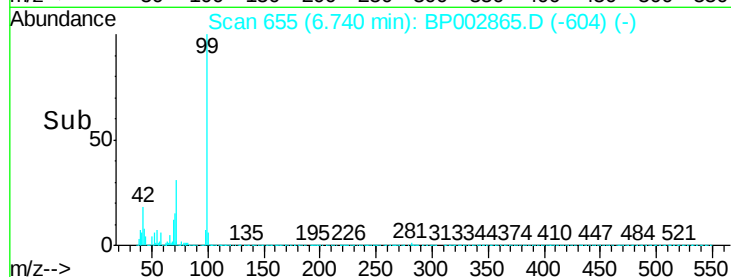
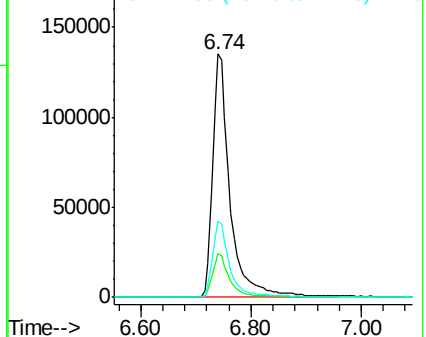
71 31.5 26.1 39.1



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: 10.31 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Tgt Ion: 136 Resp: 159373

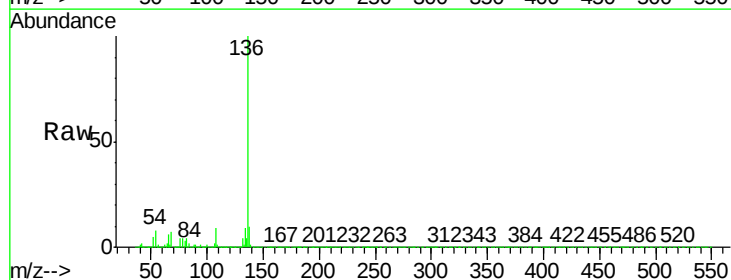
Ion Ratio Lower Upper

136 100

137 10.2 8.8 13.2

54 8.4 7.3 10.9

68 6.6 5.7 8.5

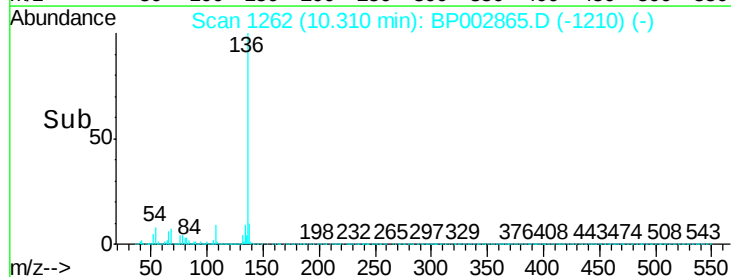
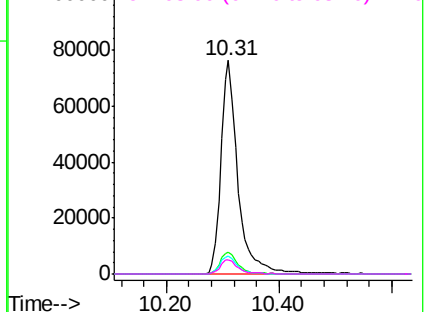


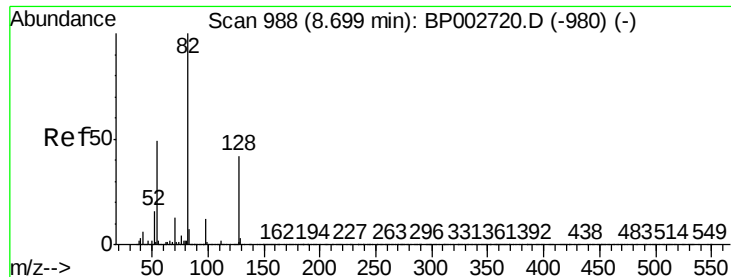
Abundance Ion 136.00 (135.70 to 136.70): E

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

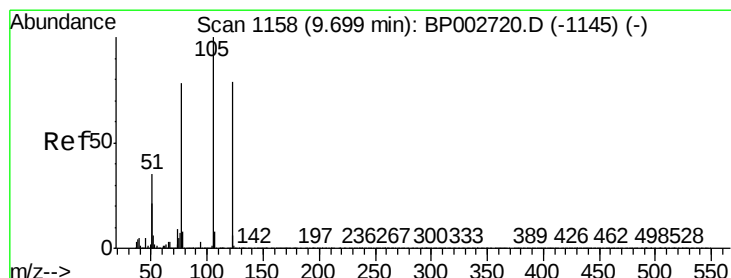
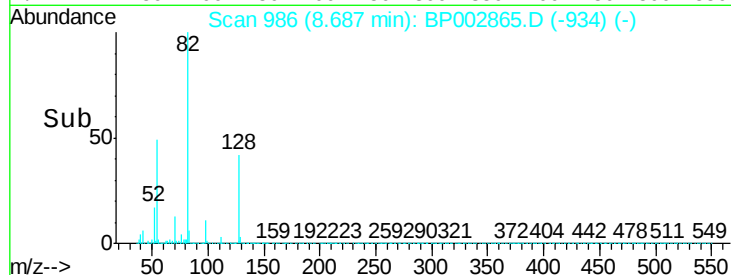
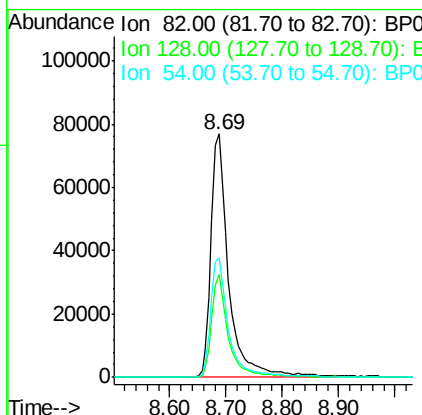
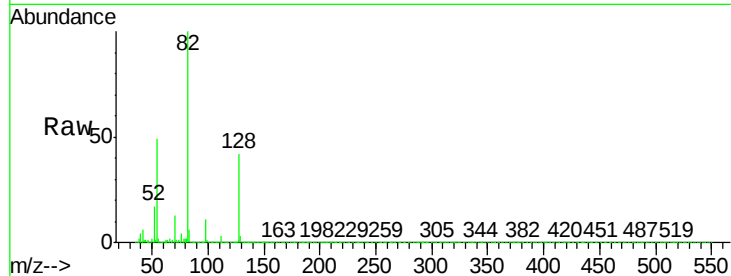




#23
Nitrobenzene-d5
Concen: 56.767 ng
RT: 8.69 min Scan# 986
Delta R.T. 0.01 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

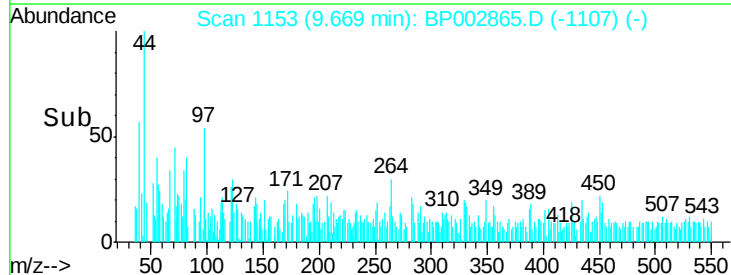
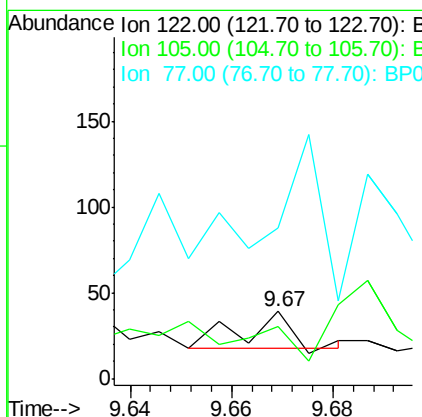
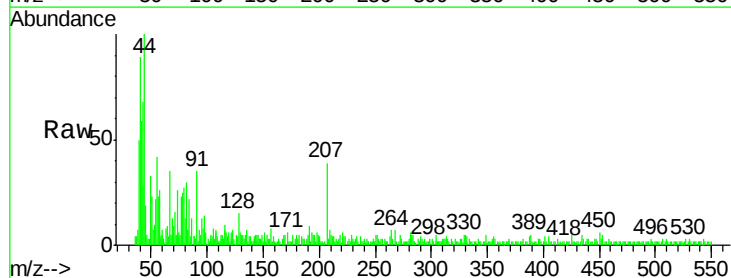
Instrument :
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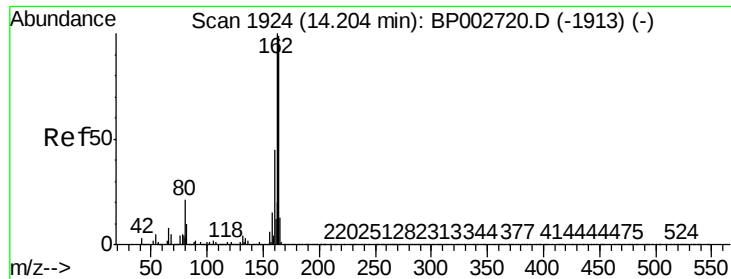
Tot Ion	82	Resp	169156
Ion Ratio	Lower	Upper	
82	100		
128	42.0	32.6	49.0
54	48.9	38.9	58.3



#32
Benzoic acid
Concen: 7.069 ng
RT: 9.67 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Tgt Ion	122	Resp	14
Ion Ratio	Lower	Upper	
122	100		
105	76.9	101.9	141.9#
77	225.6	78.0	118.0#

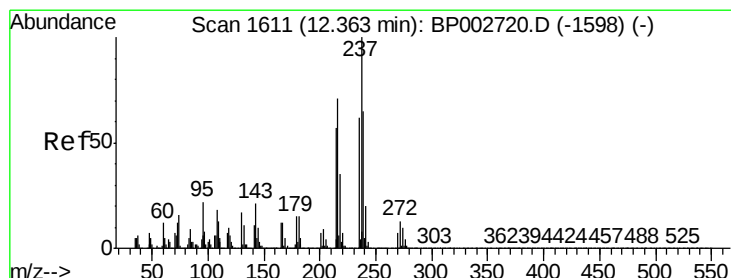
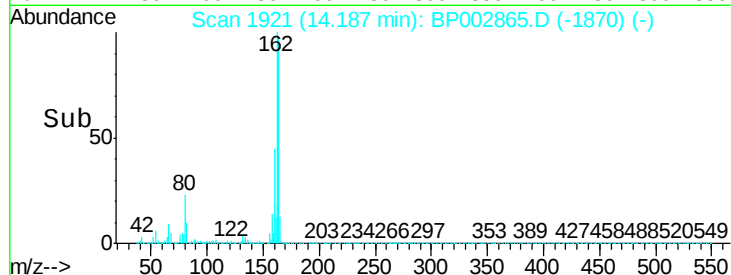
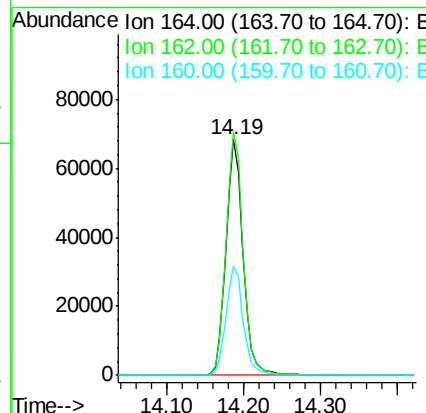
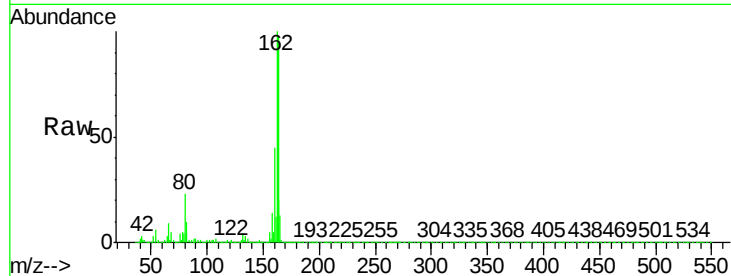




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.19 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

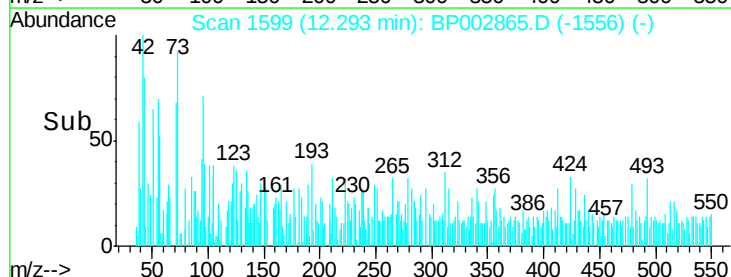
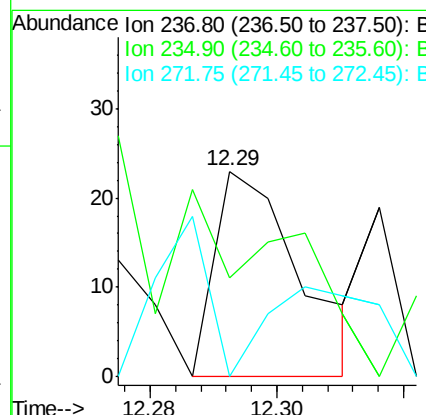
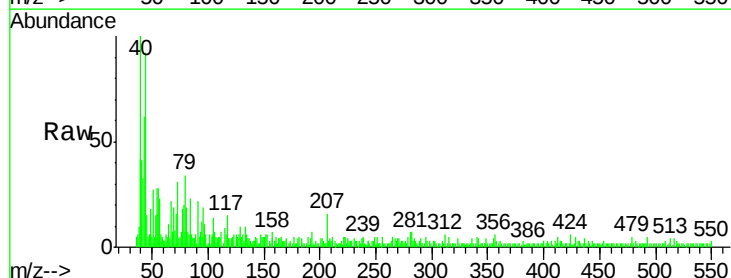
Instrument :
BNA_P
ClientSampleId :
CTR-007

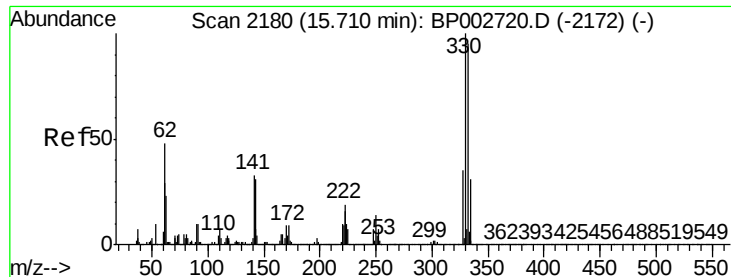
Tot Ion:164 Resp: 105770
Ion Ratio Lower Upper
164 100
162 103.4 78.4 117.6
160 46.5 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 7.447 ng
RT: 12.29 min Scan# 1599
Delta R.T. -0.05 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Tgt Ion:237 Resp: 21
Ion Ratio Lower Upper
237 100
235 47.8 40.9 80.9
272 0.0 0.0 32.1

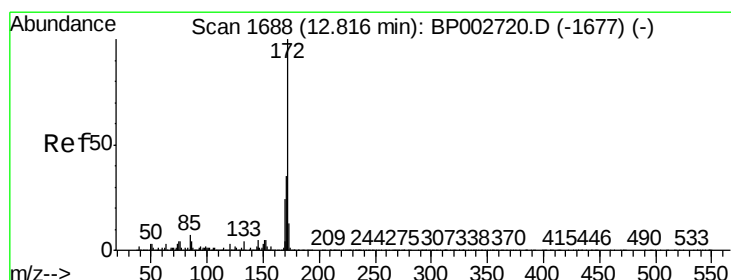
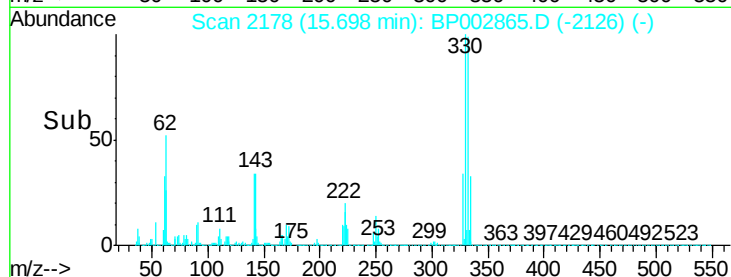
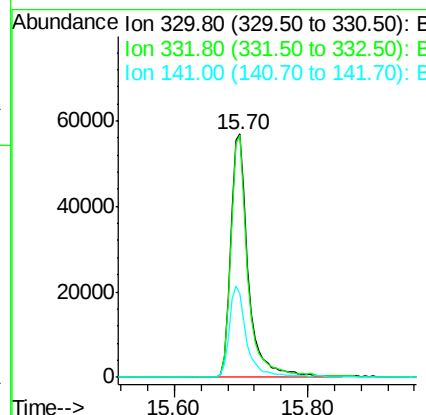
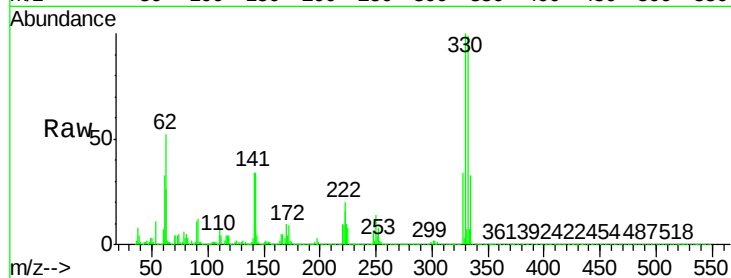




#42
2,4,6-Tribromophenol
Concen: 95.825 ng
RT: 15.70 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

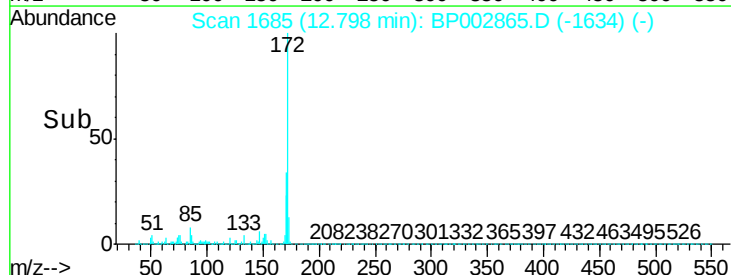
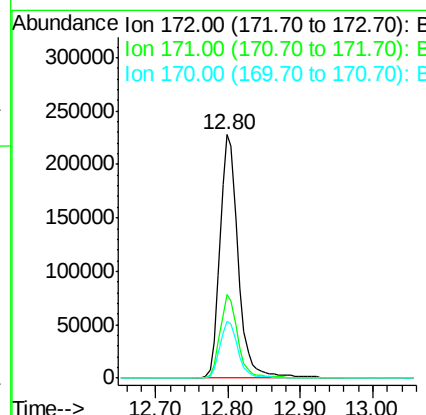
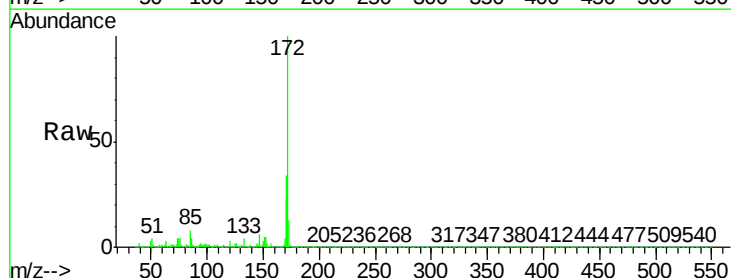
Instrument :
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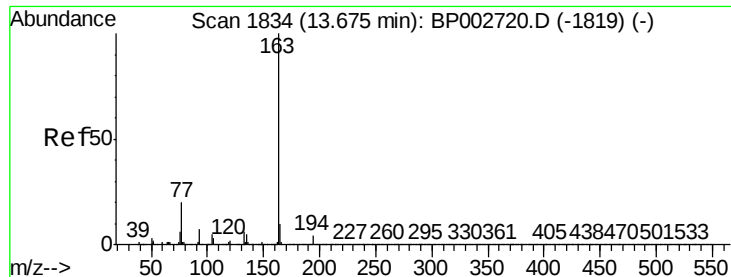
Tot Ion:330 Resp: 105797
Ion Ratio Lower Upper
330 100
332 97.5 77.6 116.4
141 37.0 29.0 43.6



#45
2-Fluorobiphenyl
Concen: 58.471 ng
RT: 12.80 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Tgt Ion:172 Resp: 399777
Ion Ratio Lower Upper
172 100
171 34.4 27.0 40.4
170 23.3 19.4 29.2

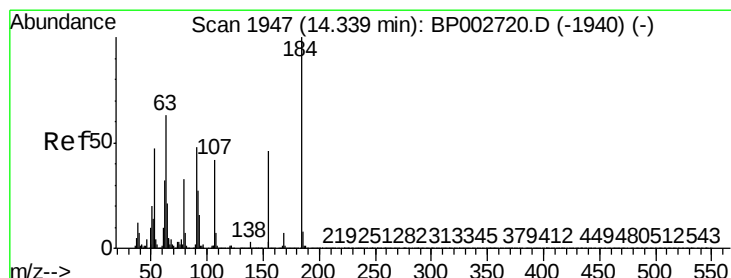
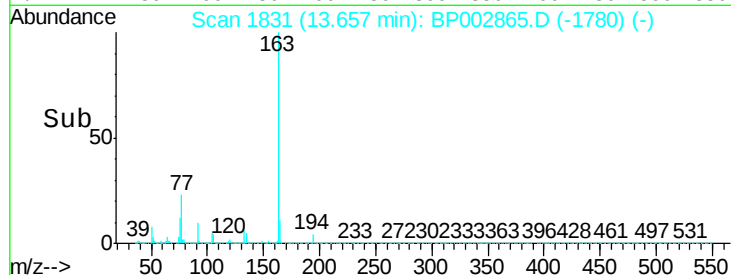
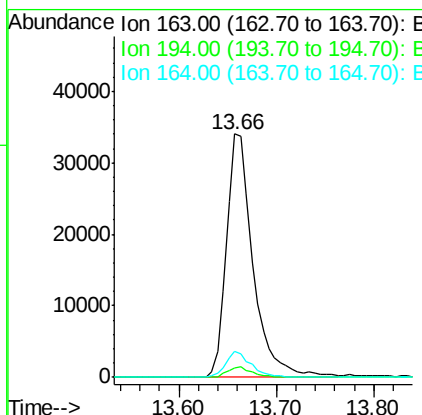
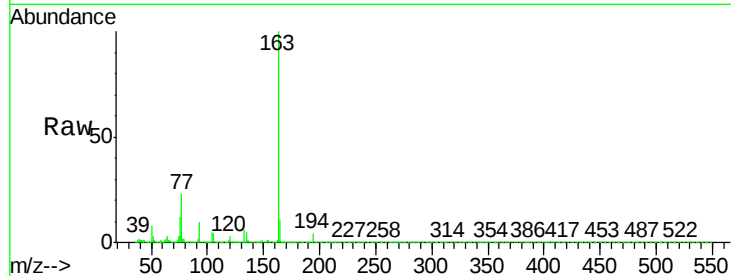




#50
Dimethylphthalate
Concen: 8.006 ng
RT: 13.66 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

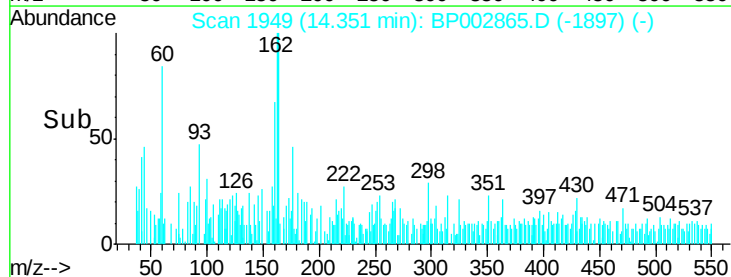
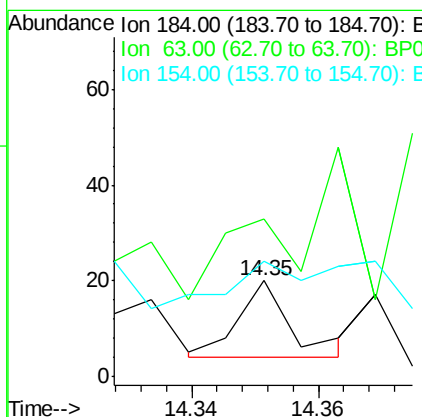
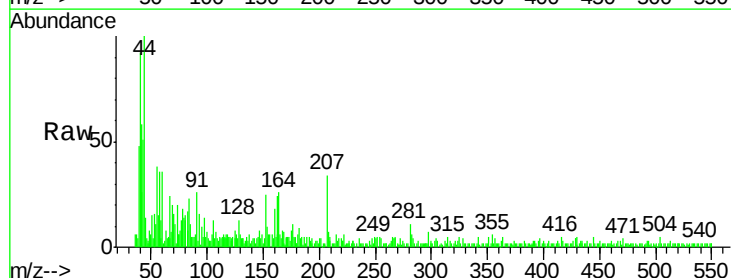
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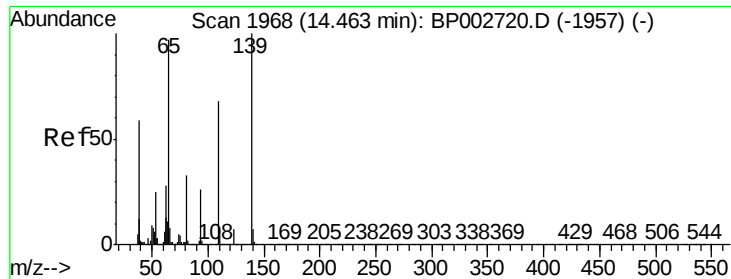
Tot Ion:163 Resp: 64577
Ion Ratio Lower Upper
163 100
194 3.9 3.5 5.3
164 10.6 8.2 12.2



#54
2,4-Dinitrophenol
Concen: 11.382 ng
RT: 14.35 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Tgt Ion:184 Resp: 9
Ion Ratio Lower Upper
184 100
63 165.0 55.4 83.0#
154 120.0 47.5 71.3#

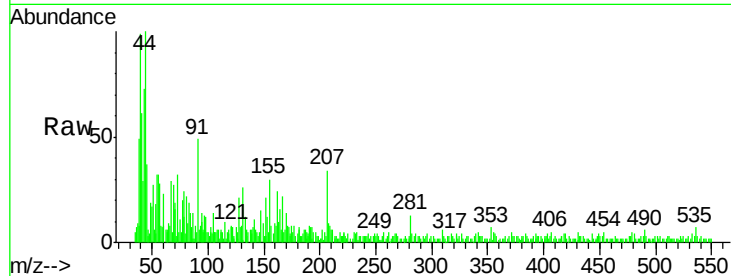




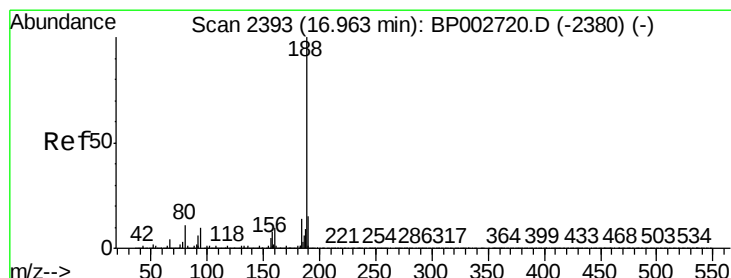
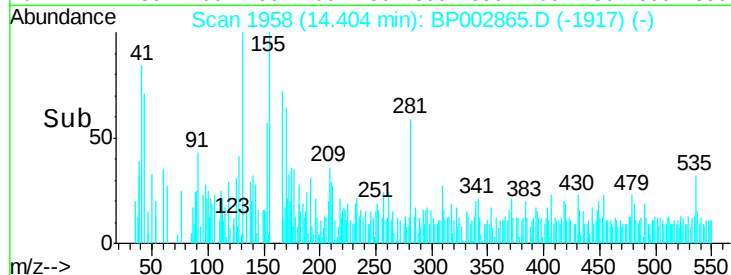
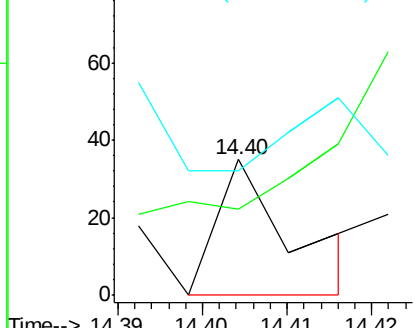
#56
4-Nitrophenol
Concen: 4.985 ng
RT: 14.40 min Scan# 1958
Delta R.T. -0.06 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Instrument :
BNA_P
ClientSampled :
CTR-007

Tot Ion:139 Resp: 22
Ion Ratio Lower Upper
139 100
109 62.9 55.2 95.2
65 91.4 84.7 124.7

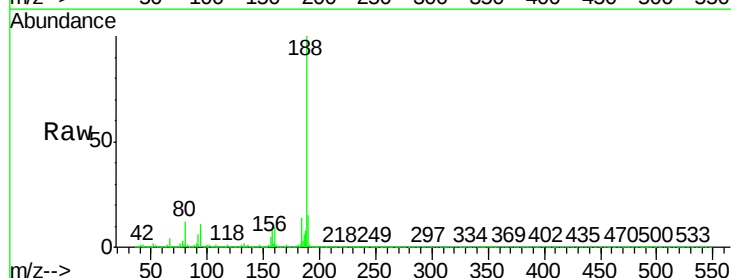


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BP0

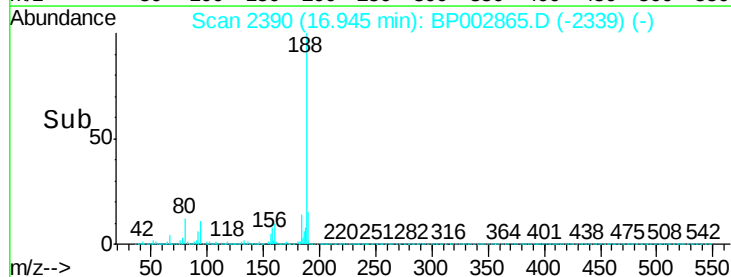
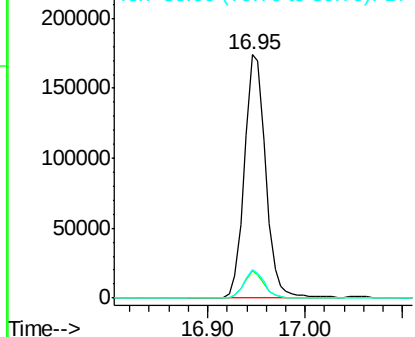


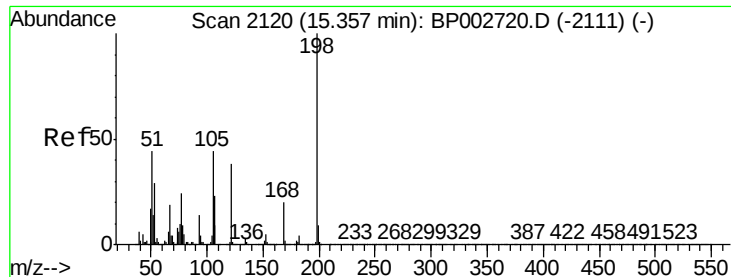
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.95 min Scan# 2390
Delta R.T. 0.00 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Tgt Ion:188 Resp: 263556
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.6 9.0 13.4



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: 5.270 ng

RT: 15.38 min Scan# 2124

Delta R.T. 0.02 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Instrument :

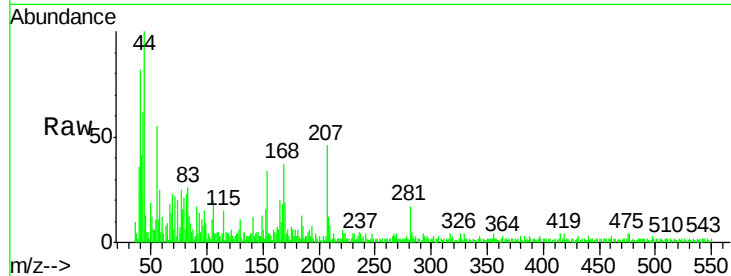
BNA_P

ClientSampleId :

CTR-007

Tot Ion:198 Resp: 6

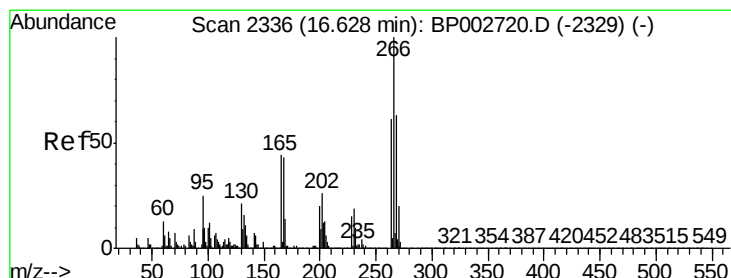
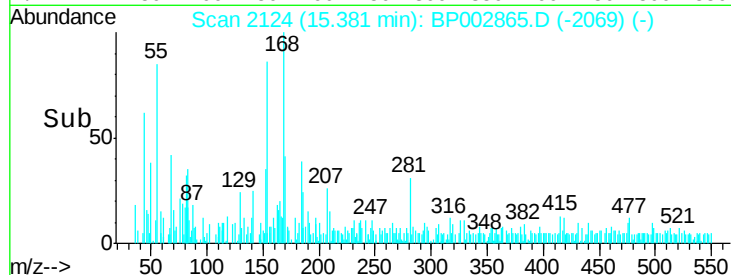
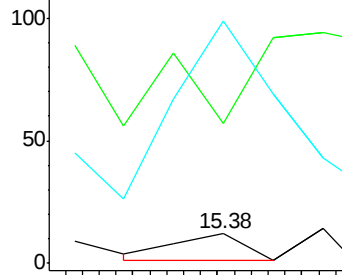
Ion	Ratio	Lower	Upper
198	100		
51	475.0	25.1	65.1#
105	825.0	24.6	64.6#



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: 7.455 ng

RT: 16.62 min Scan# 2335

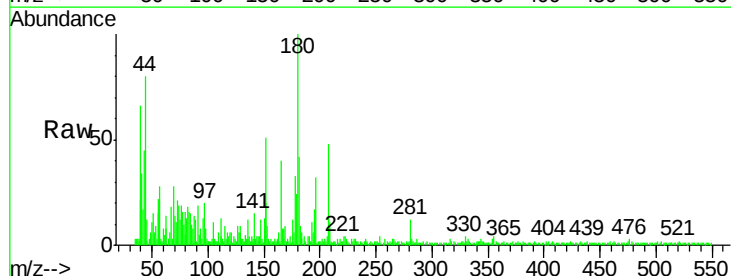
Delta R.T. -0.00 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Tgt Ion:266 Resp: 22

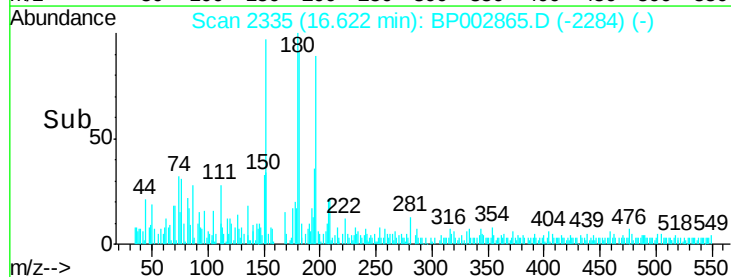
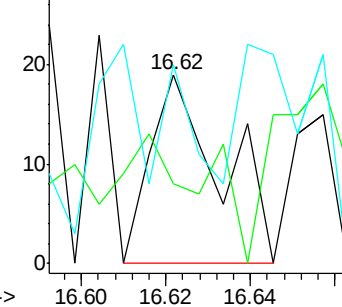
Ion	Ratio	Lower	Upper
266	100		
268	42.1	51.2	76.8#
264	105.3	50.2	75.4#

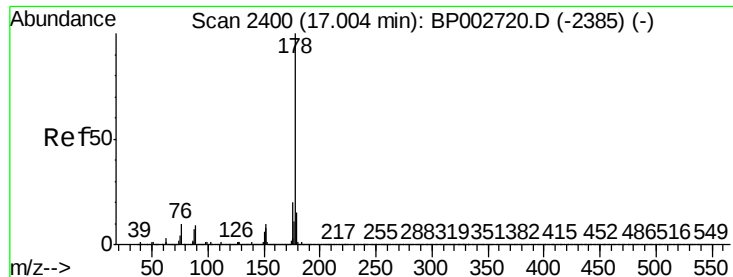


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 2.839 ng

RT: 16.99 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Instrument :

BNA_P

ClientSampleId :

CTR-007

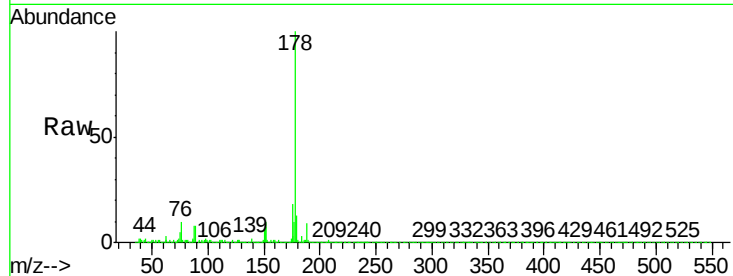
Tot Ion:178 Resp: 40514

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

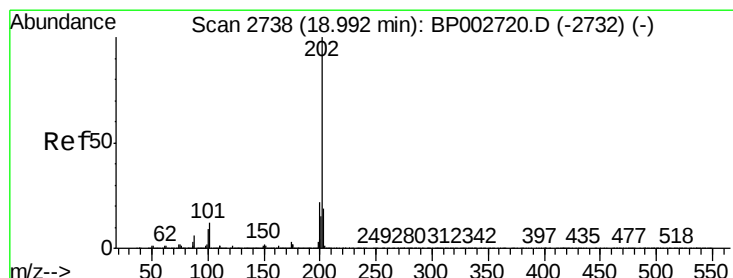
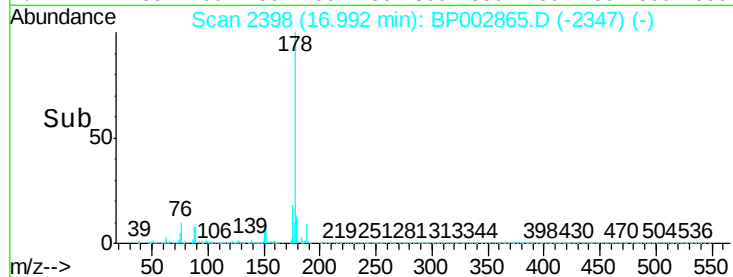
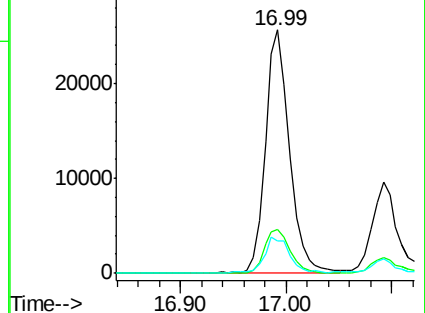
179 13.3 11.8 17.6



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



#75

Fluoranthene

Concen: 4.051 ng

RT: 18.98 min Scan# 2736

Delta R.T. 0.01 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

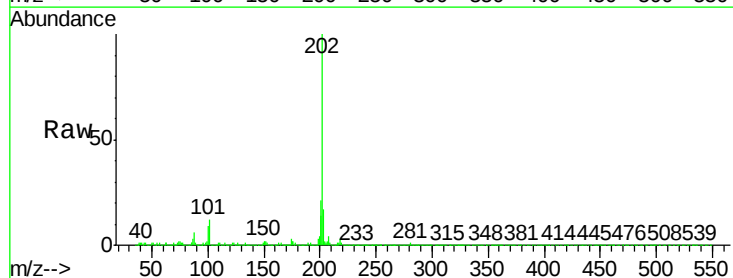
Tgt Ion:202 Resp: 66980

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.0

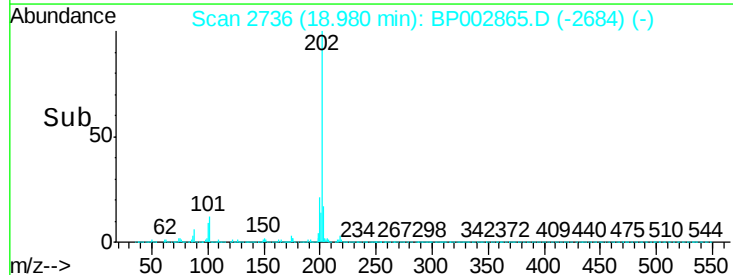
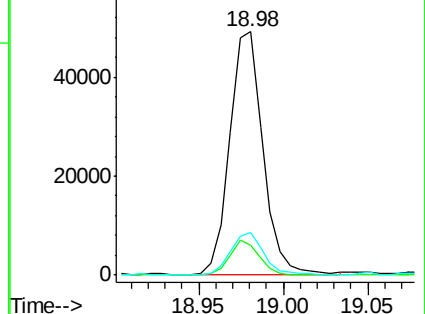
203 17.4 0.0 38.1

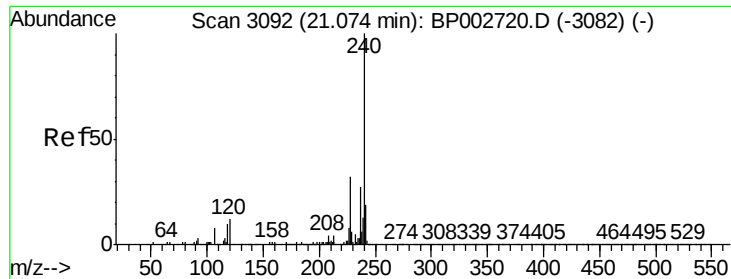


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

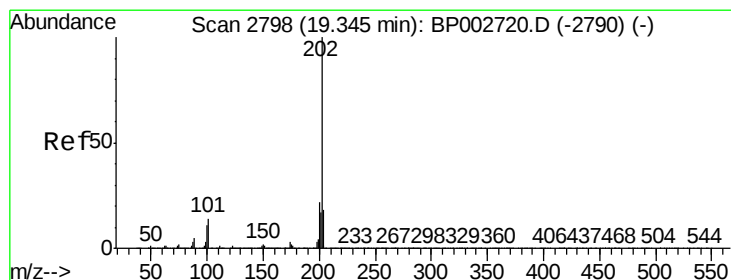
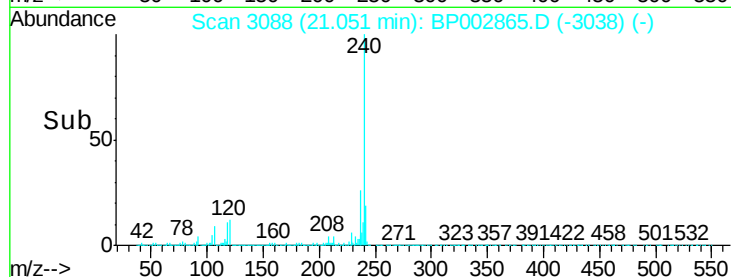
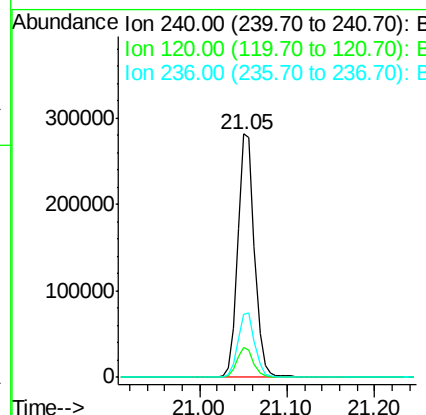
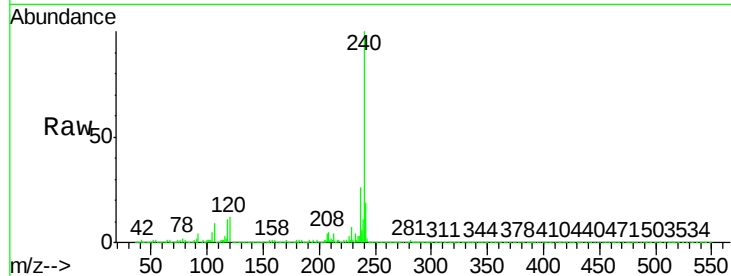




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.05 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

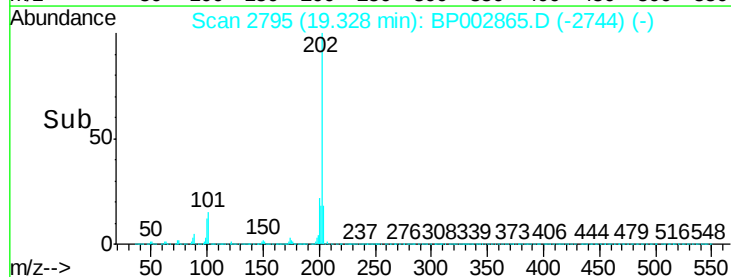
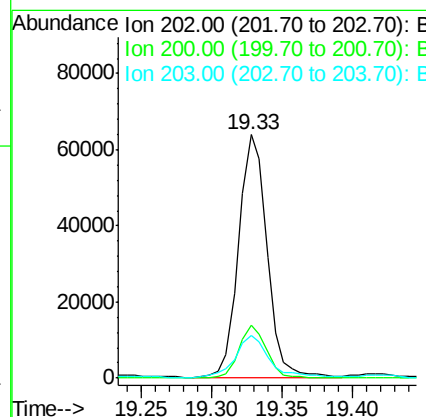
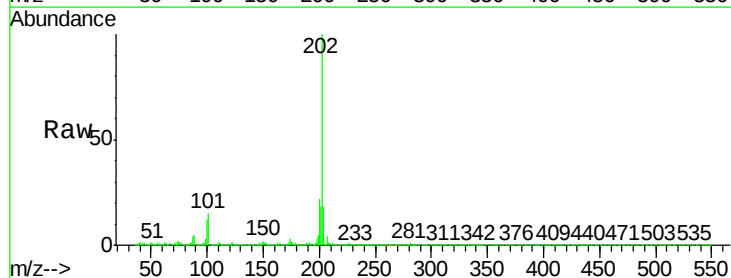
Instrument :
BNA_P
ClientSampleId :
CTR-007

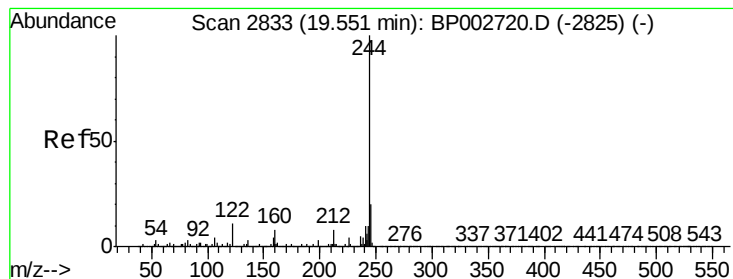
Tot Ion:240 Resp: 365739
Ion Ratio Lower Upper
240 100
120 12.4 9.2 13.8
236 26.2 20.3 30.5



#78
Pyrene
Concen: 3.542 ng
RT: 19.33 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Tgt Ion:202 Resp: 89451
Ion Ratio Lower Upper
202 100
200 21.7 16.6 24.8
203 17.7 13.8 20.8





#79

Terphenyl-d14

Concen: 49.498 ng

RT: 19.53 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Instrument :

BNA_P

ClientSampleId :

CTR-007

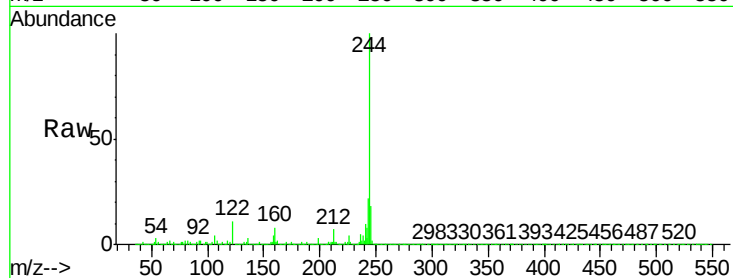
Tot Ion:244 Resp: 789602

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

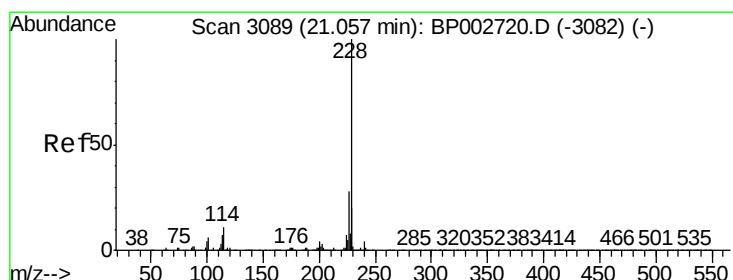
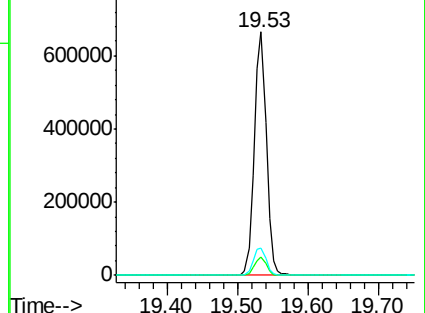
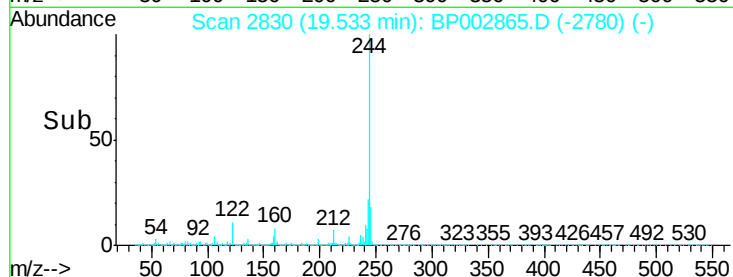
122 11.3 7.9 11.9



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



#81

Benzo(a)anthracene

Concen: 2.804 ng

RT: 21.04 min Scan# 3086

Delta R.T. 0.00 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

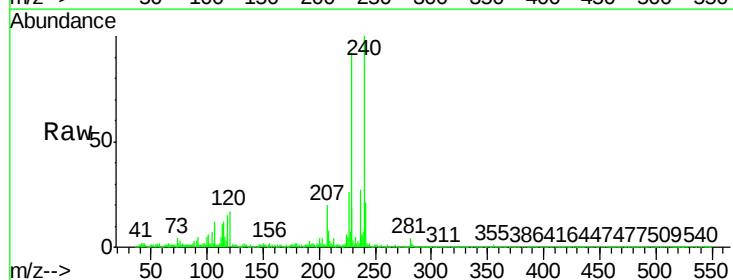
Tgt Ion:228 Resp: 66378

Ion Ratio Lower Upper

228 100

226 28.5 21.8 32.6

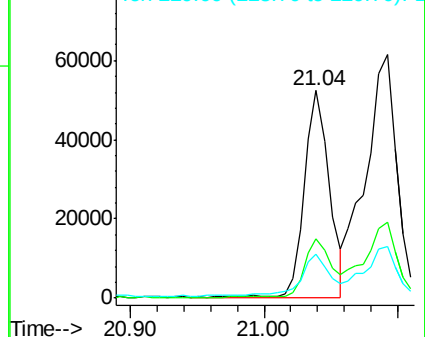
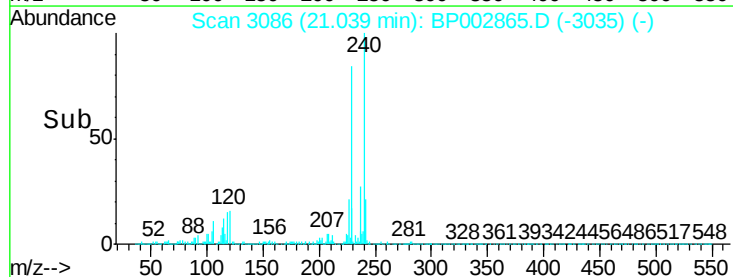
229 21.2 15.8 23.6

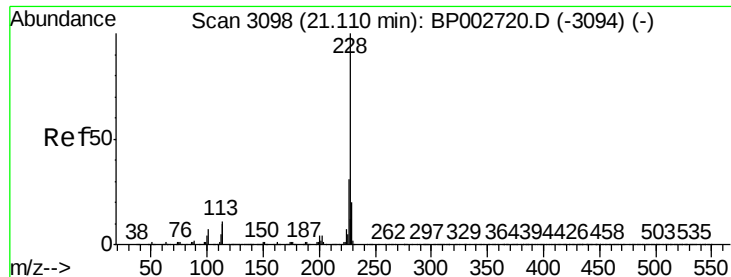


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.423 ng

RT: 21.09 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Instrument :

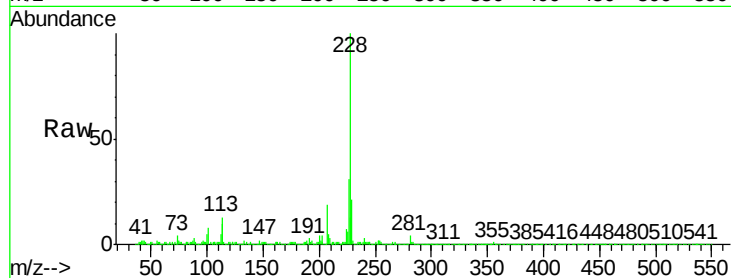
BNA_P

ClientSampleId :

CTR-007

Tot Ion:228 Resp: 99684

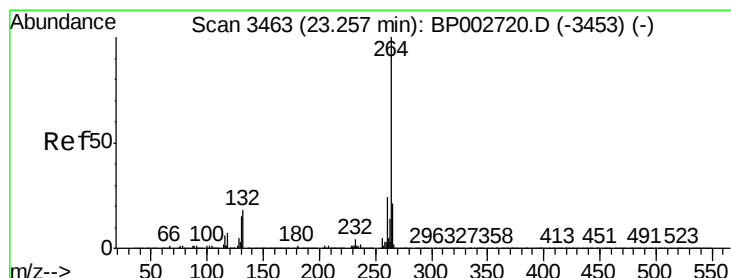
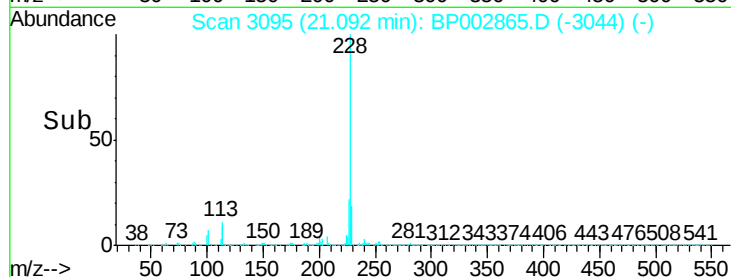
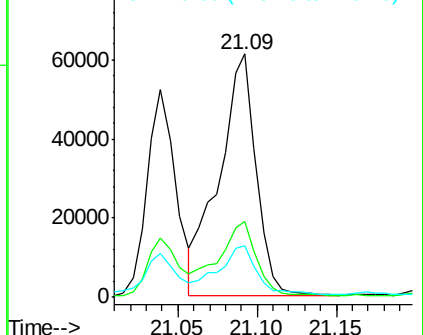
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.2
229	21.4	15.2	22.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.23 min Scan# 3459

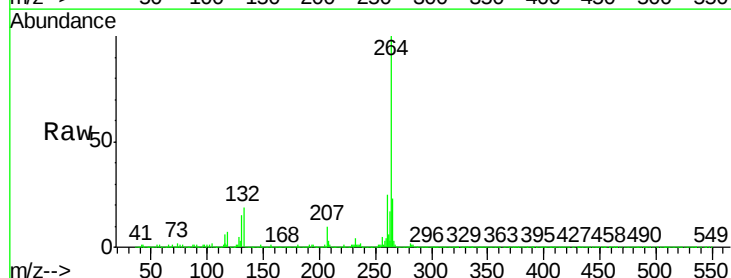
Delta R.T. -0.00 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Tgt Ion:264 Resp: 439240

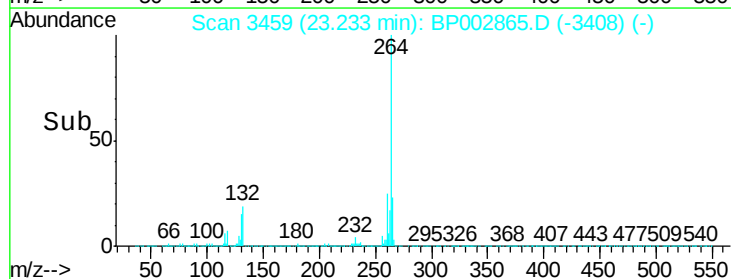
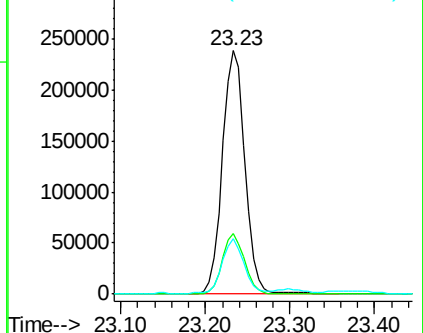
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	23.0	16.7	25.1

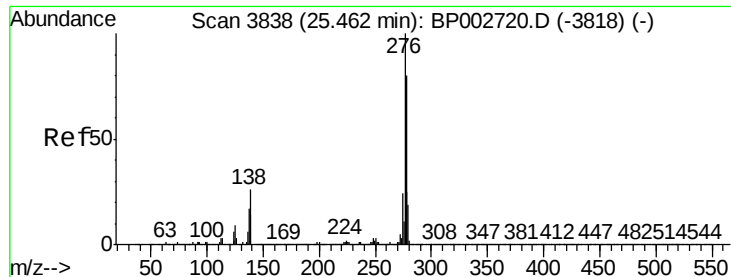


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.725 ng

RT: 25.43 min Scan# 3833

Delta R.T. -0.01 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Instrument :

BNA_P

ClientSampleId :

CTR-007

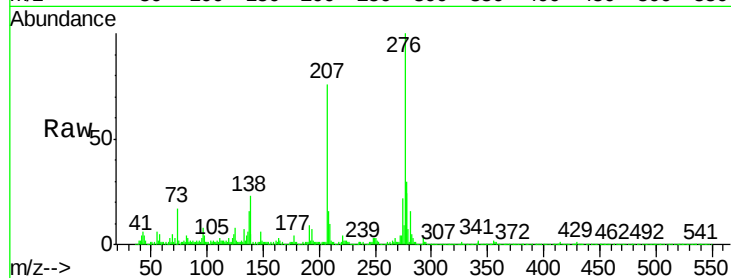
Tot Ion:276 Resp: 86521

Ion Ratio Lower Upper

276 100

138 24.7 20.5 30.7

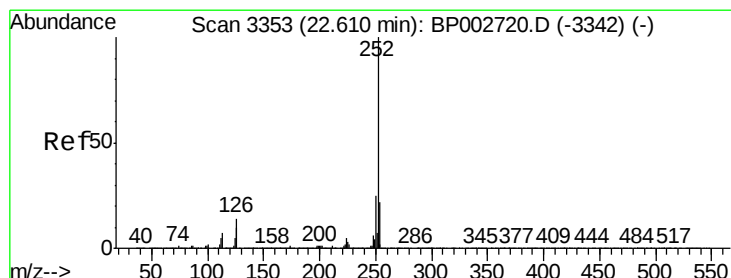
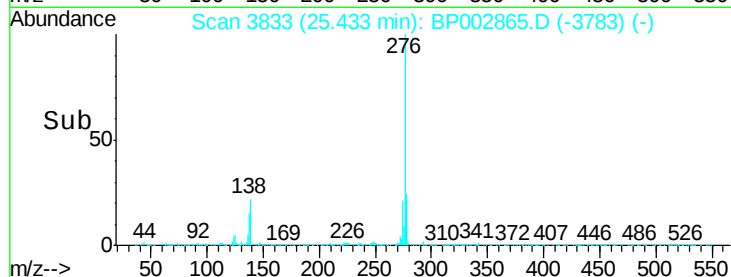
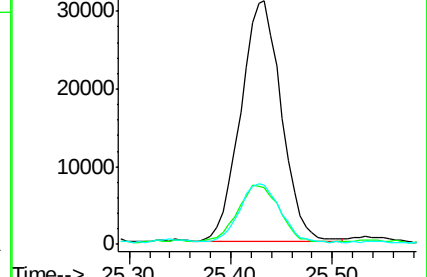
277 24.7 20.1 30.1



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



#88

Benzo(b)fluoranthene

Concen: 7.153 ng

RT: 22.59 min Scan# 3349

Delta R.T. 0.00 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

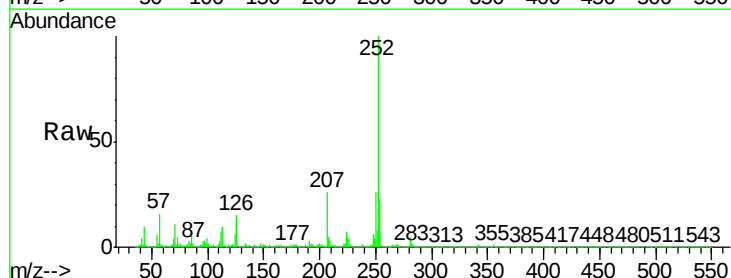
Tgt Ion:252 Resp: 195095

Ion Ratio Lower Upper

252 100

253 23.3 18.5 27.7

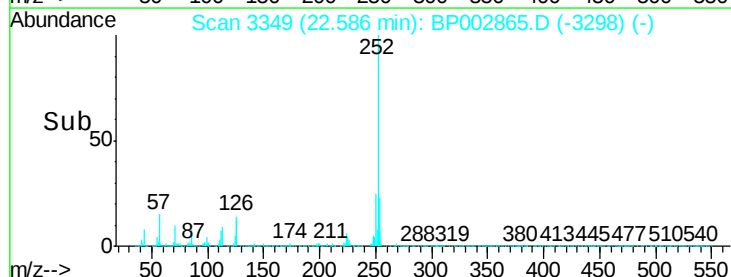
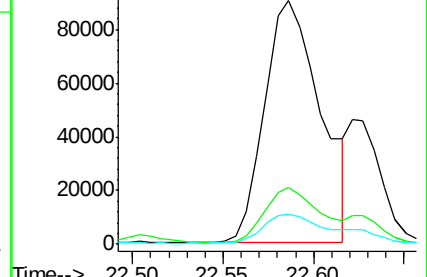
125 12.3 8.3 12.5

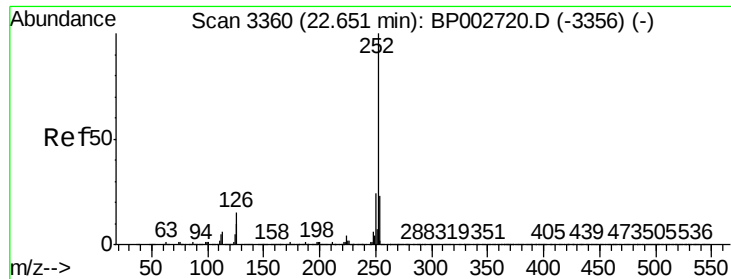


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

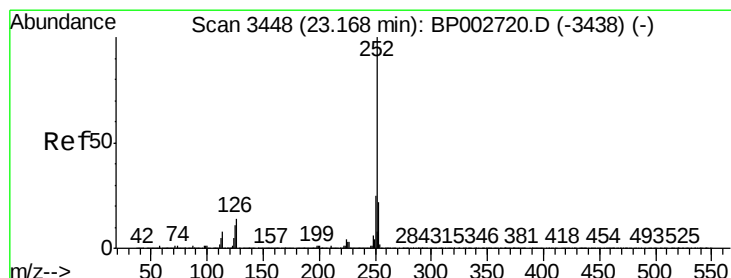
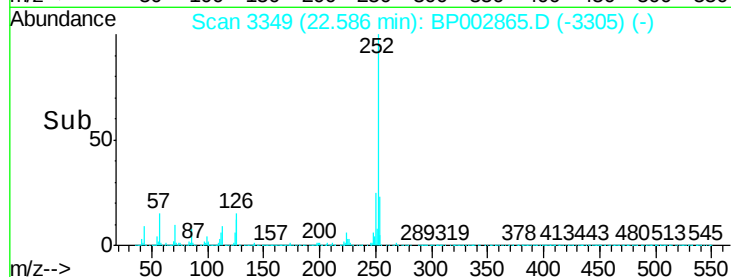
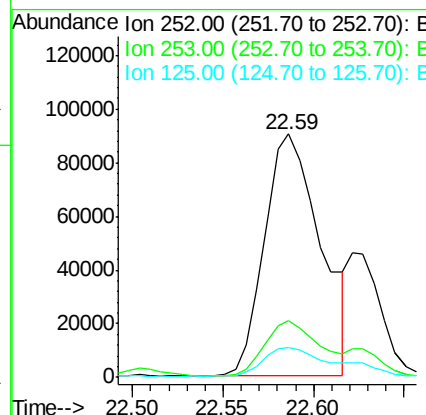
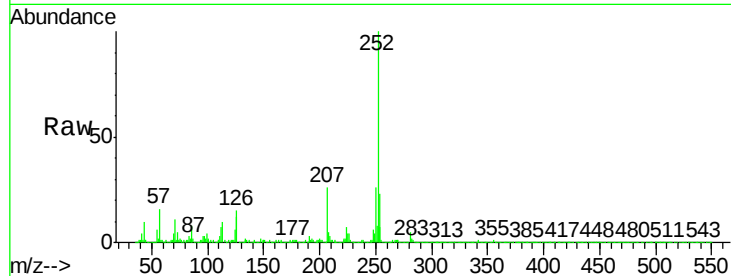




#89
Benzo(k)fluoranthene
Concen: 7.262 ng
RT: 22.59 min Scan# 3349
Delta R.T. -0.04 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

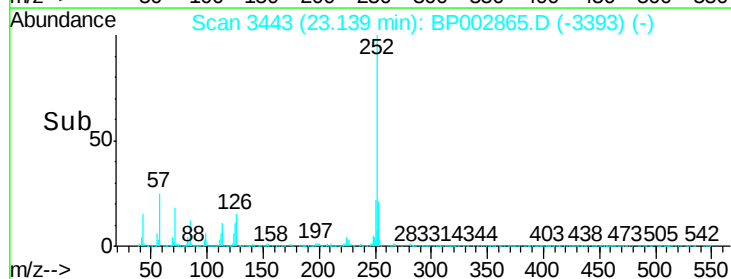
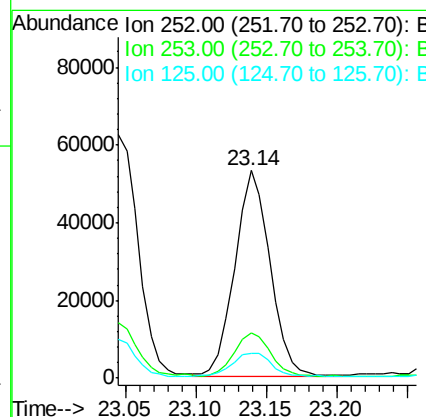
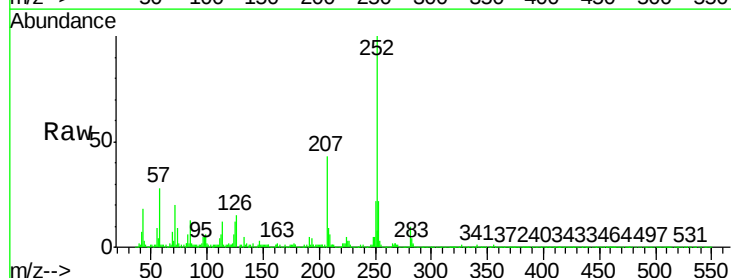
Instrument :
BNA_P
ClientSampleId :
CTR-007

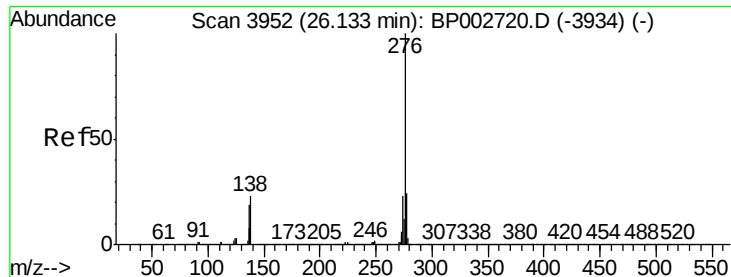
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.3	8.0	12.0



#90
Benzo(a)pyrene
Concen: 3.587 ng
RT: 23.14 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BP002865.D
Acq: 24 Jul 2020 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	11.7	8.9	13.3





#92

Benzo(a,h,i)perylene

Concen: 3.246 ng

RT: 26.10 min Scan# 3946

Delta R.T. -0.01 min

Lab File: BP002865.D

Acq: 24 Jul 2020 21:39

Instrument :

BNA_P

ClientSampleId :

CTR-007

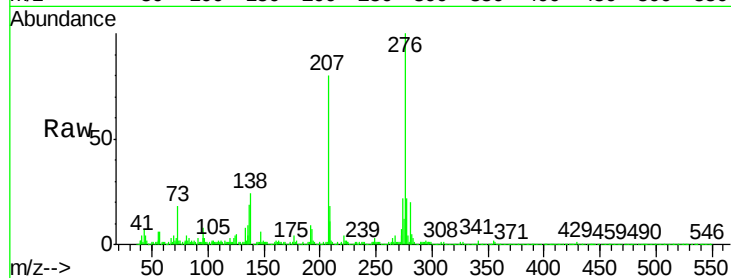
Tot Ion: 276 Resp: 84271

Ion Ratio Lower Upper

276 100

277 22.0 19.0 28.4

138 23.7 18.2 27.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

