

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072420\
 Data File : BP002867.D
 Acq On : 24 Jul 2020 22:47
 Operator : CG/JU
 Sample : L3382-17
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CTR-011

Quant Time: Jul 24 23:59:59 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	26027	20.00	ng	0.00
21) Naphthalene-d8	10.30	136	113449	20.00	ng	0.00
39) Acenaphthene-d10	14.19	164	81152	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	223477	20.00	ng	0.00
76) Chrysene-d12	21.05	240	365492	20.00	ng	0.00
86) Perylene-d12	23.23	264	482378	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.16	112	211597	137.17	ng	0.00
7) Phenol-d6	6.74	99	300778	136.62	ng	0.00
23) Nitrobenzene-d5	8.69	82	164897	77.74	ng	0.00
42) 2,4,6-Tribromophenol	15.69	330	127133	150.08	ng	0.00
45) 2-Fluorobiphenyl	12.80	172	404505	77.11	ng	0.00
79) Terphenyl-d14	19.53	244	1003920	62.98	ng	0.00

Target Compounds

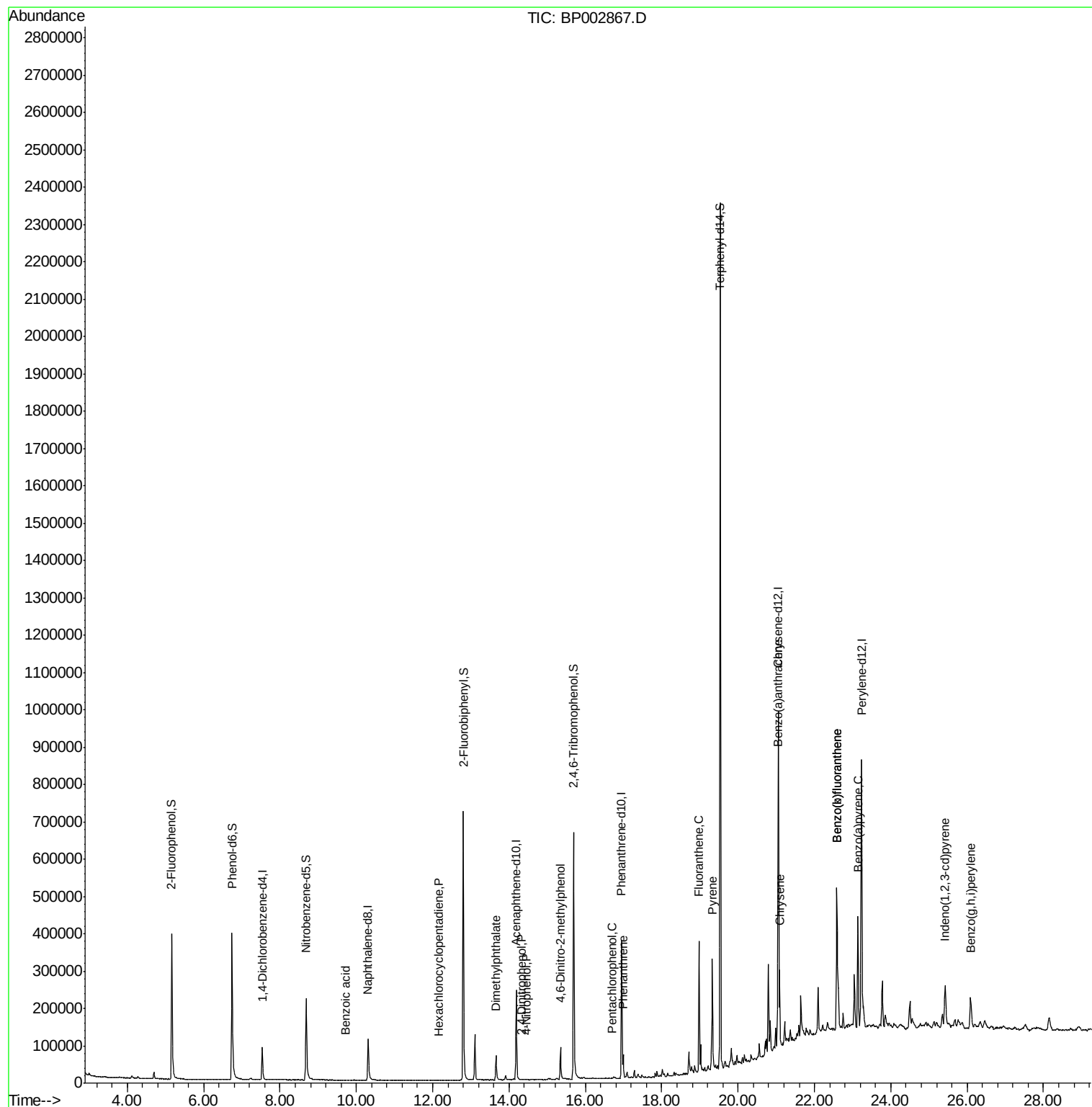
						Qvalue
32) Benzoic acid	9.71	122	51	7.097	ng	# 53
41) Hexachlorocyclopentadiene	12.15	237	18	7.449	ng	83
50) Dimethylphthalate	13.66	163	52382	8.464	ng	99
54) 2,4-Dinitrophenol	14.34	184	10	11.386	ng	# 1
56) 4-Nitrophenol	14.45	139	22	4.989	ng	# 55
65) 4,6-Dinitro-2-methylphenol	15.35	198	42	5.294	ng	# 1
70) Pentachlorophenol	16.71	266	52	7.479	ng	91
71) Phenanthrene	16.99	178	38626	3.192	ng	97
75) Fluoranthene	18.97	202	194885	13.900	ng	99
78) Pyrene	19.33	202	168422	6.674	ng	99
81) Benzo(a)anthracene	21.04	228	120101	5.076	ng	97
83) Chrysene	21.09	228	114853	5.100	ng	96
87) Indeno(1,2,3-cd)pyrene	25.42	276	102688	2.945	ng	98
88) Benzo(b)fluoranthene	22.59	252	251325	8.391	ng	96
89) Benzo(k)fluoranthene	22.59	252	251325	8.519	ng	98
90) Benzo(a)pyrene	23.14	252	122455	4.314	ng	97
92) Benzo(a,h,i)perylene	26.09	276	97843	3.432	ng	99

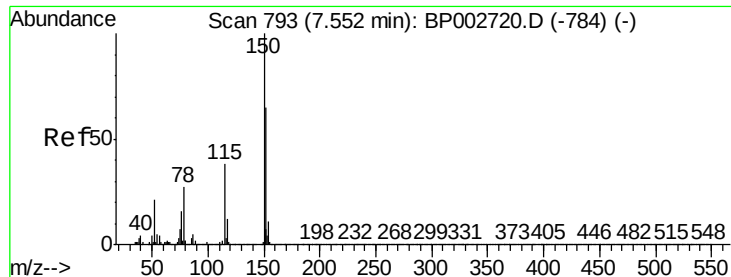
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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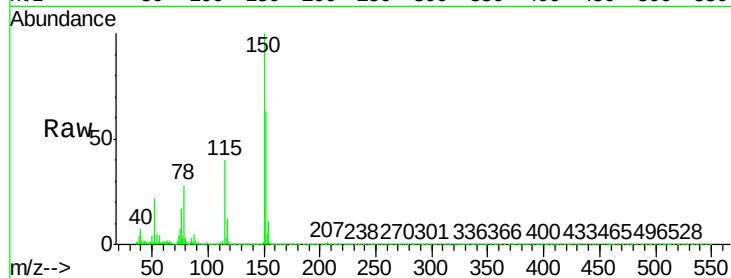


#1

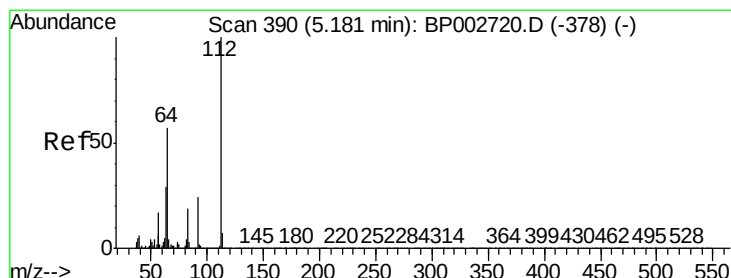
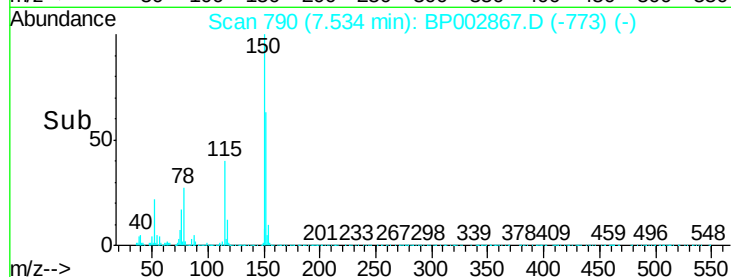
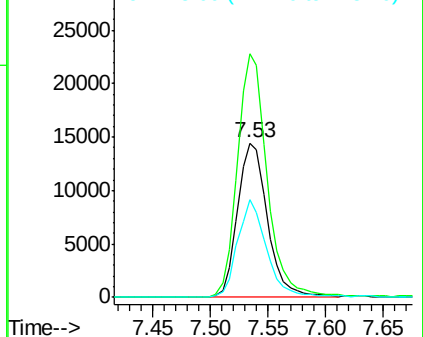
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.53 min Scan# 790
Delta R.T. -0.00 min
Lab File: BP002867.D
Acq: 24 Jul 2020 22:47

Instrument :
BNA_P
ClientSampleId :
CTR-011

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.5	183.7
115	63.5	48.5	72.7



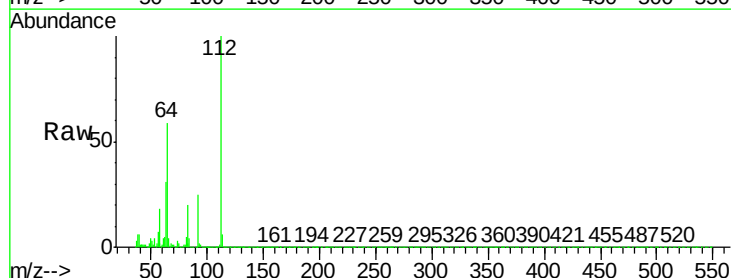
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



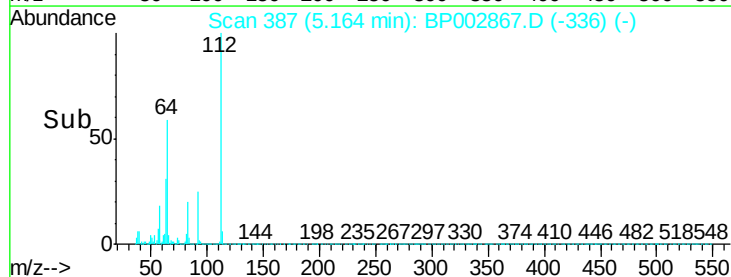
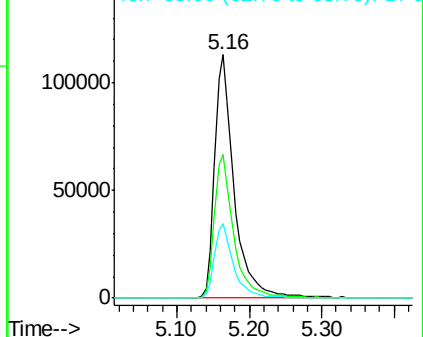
#5

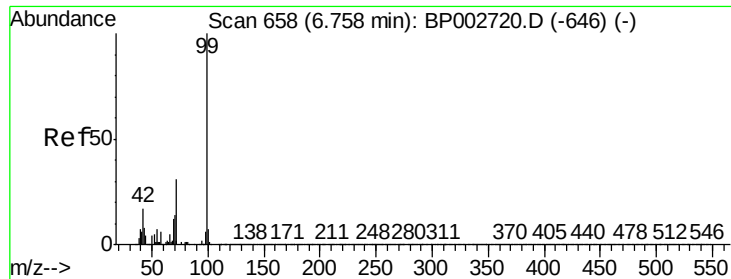
2-Fluorophenol
Concen: 137.167 ng
RT: 5.16 min Scan# 387
Delta R.T. -0.00 min
Lab File: BP002867.D
Acq: 24 Jul 2020 22:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	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: 136.619 ng

RT: 6.74 min Scan# 655

Delta R.T. -0.00 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

Instrument :

BNA_P

ClientSampleId :

CTR-011

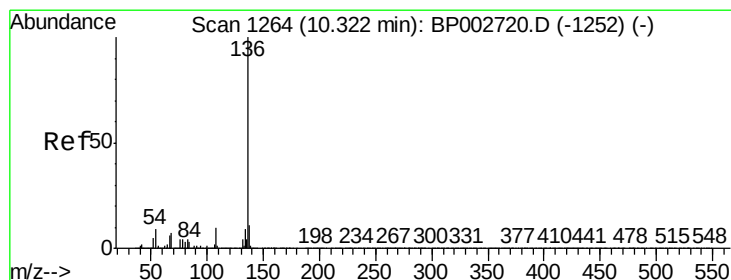
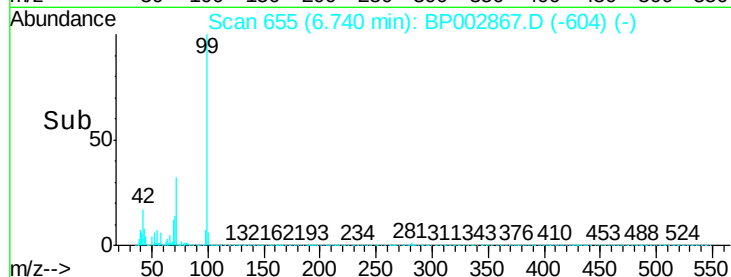
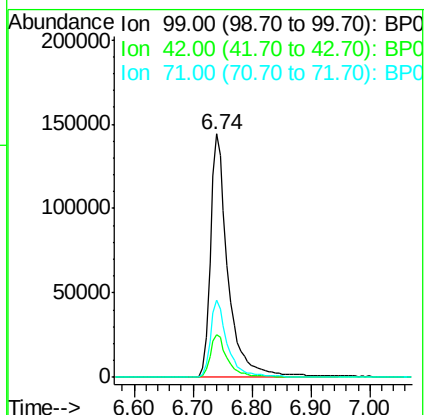
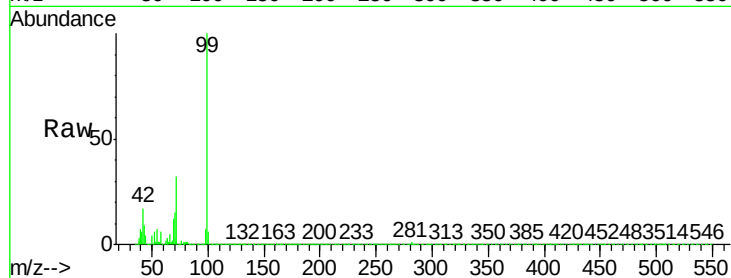
Tot Ion: 99 Resp: 300778

Ion Ratio Lower Upper

99 100

42 17.5 14.2 21.4

71 31.6 26.1 39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.30 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

Tgt Ion: 136 Resp: 113449

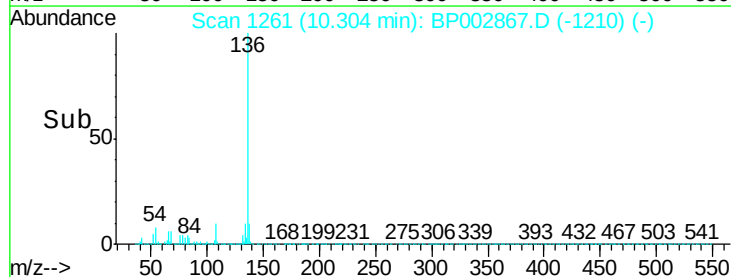
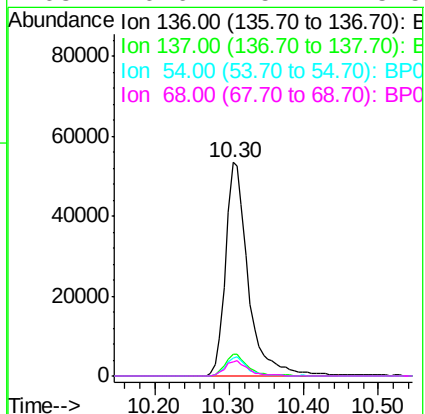
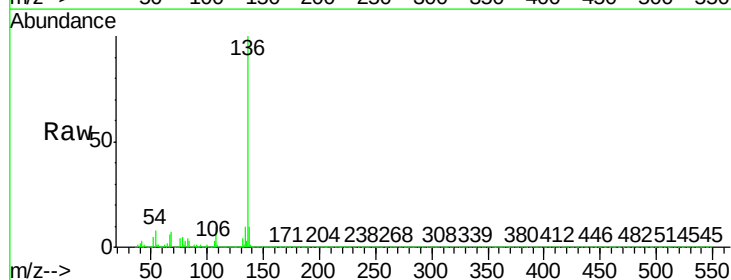
Ion Ratio Lower Upper

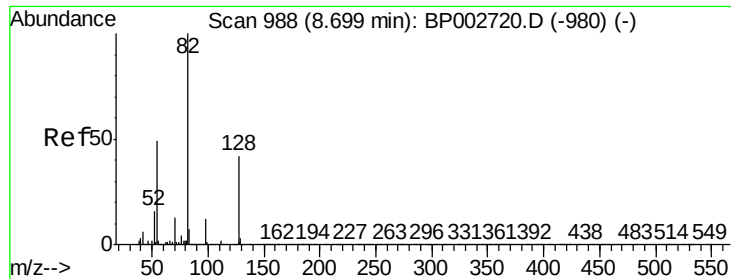
136 100

137 10.3 8.8 13.2

54 8.3 7.3 10.9

68 6.6 5.7 8.5

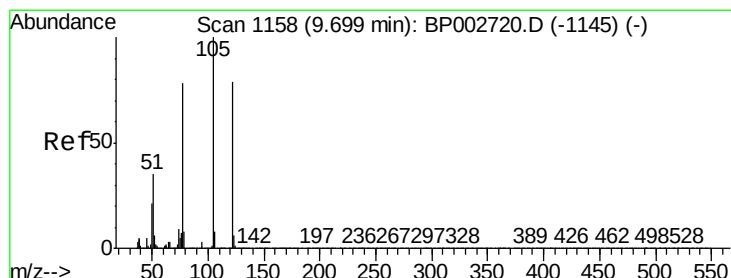
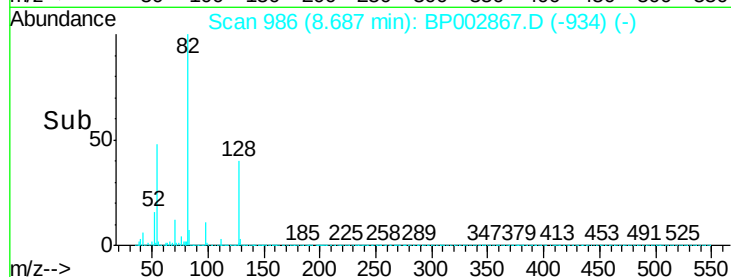
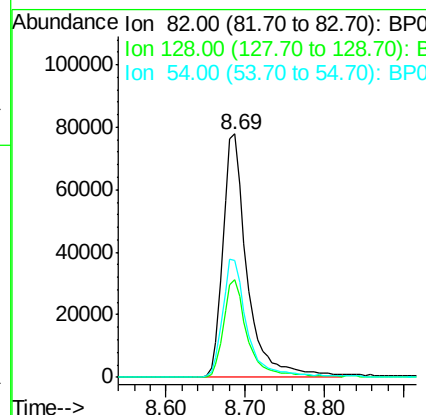
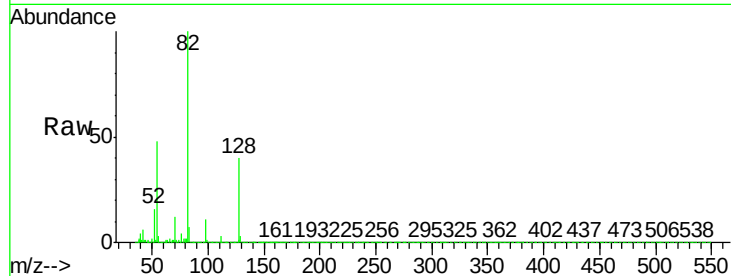




#23
 Nitrobenzene-d5
 Concen: 77.738 ng
 RT: 8.69 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: BP002867.D
 Acq: 24 Jul 2020 22:47

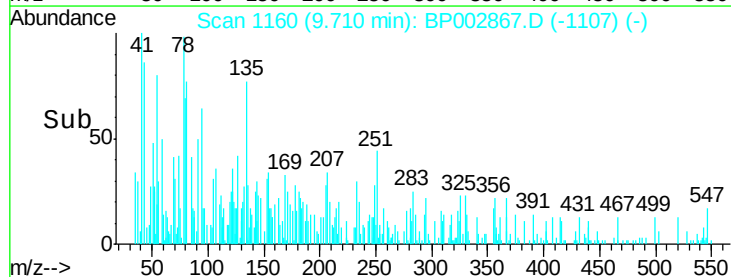
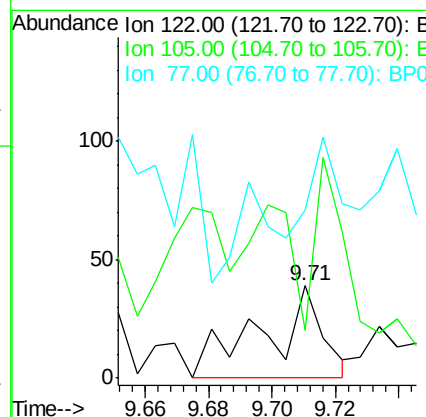
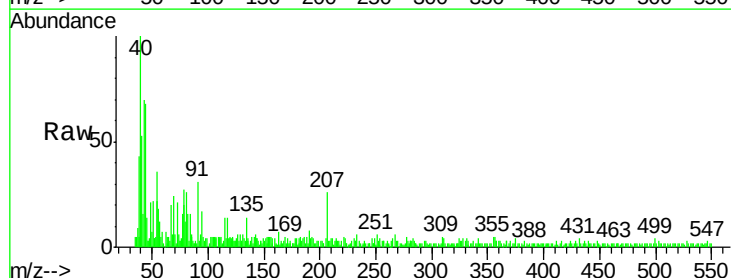
Instrument :
 BNA_P
 ClientSampleId :
 CTR-011

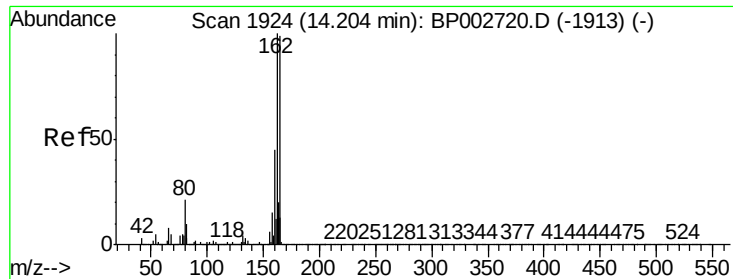
Tot Ion	82	Resp	164897
Ion Ratio	Lower	Upper	
82	100		
128	40.2	32.6	49.0
54	48.0	38.9	58.3



#32
 Benzoic acid
 Concen: 7.097 ng
 RT: 9.71 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: BP002867.D
 Acq: 24 Jul 2020 22:47

Tgt Ion	122	Resp	51
Ion Ratio	Lower	Upper	
122	100		
105	102.6	101.9	141.9
77	182.1	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: BP002867.D

Acq: 24 Jul 2020 22:47

Instrument :

BNA_P

ClientSampleId :

CTR-011

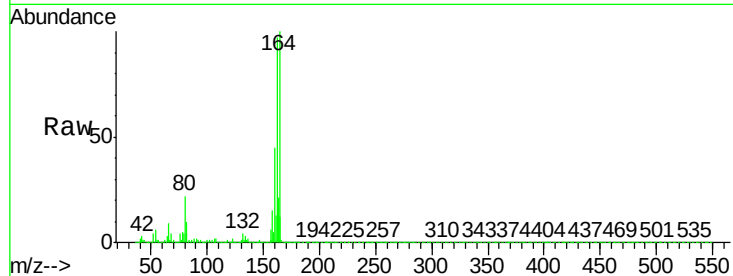
Tot Ion:164 Resp: 81152

Ion Ratio Lower Upper

164 100

162 97.3 78.4 117.6

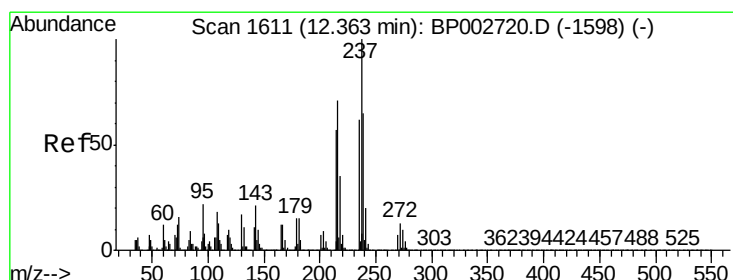
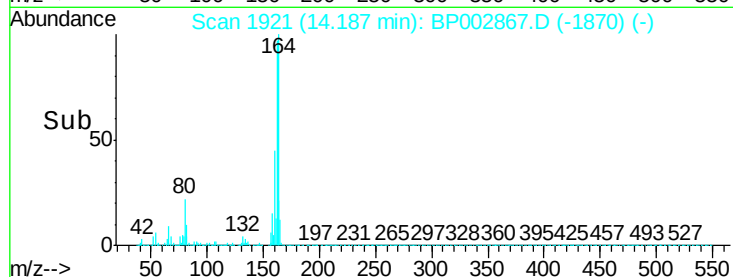
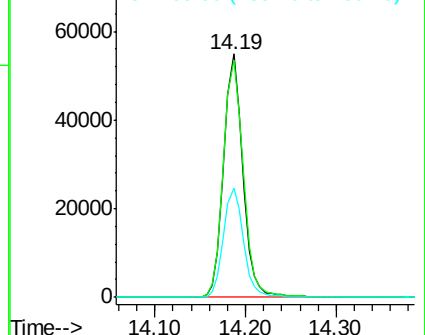
160 44.9 36.1 54.1



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: 7.449 ng

RT: 12.15 min Scan# 1575

Delta R.T. -0.19 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

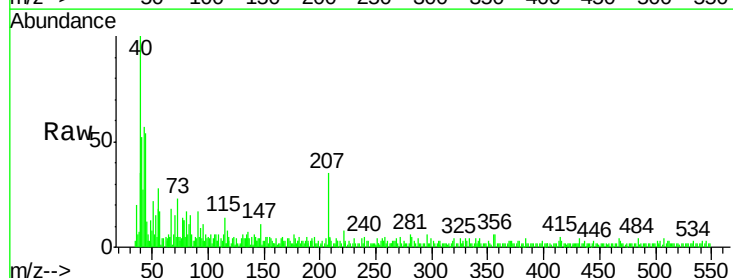
Tgt Ion:237 Resp: 18

Ion Ratio Lower Upper

237 100

235 50.0 40.9 80.9

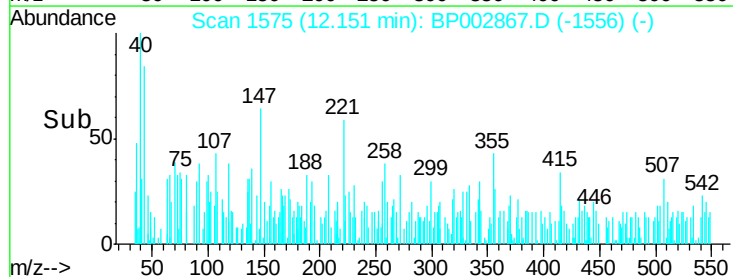
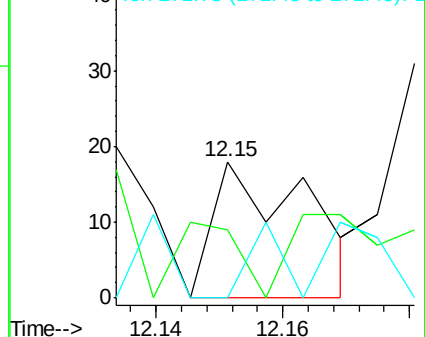
272 0.0 0.0 32.1

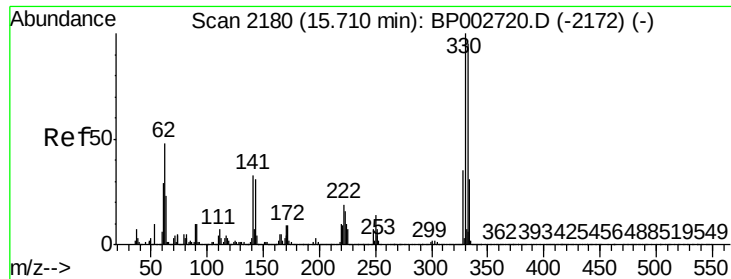


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

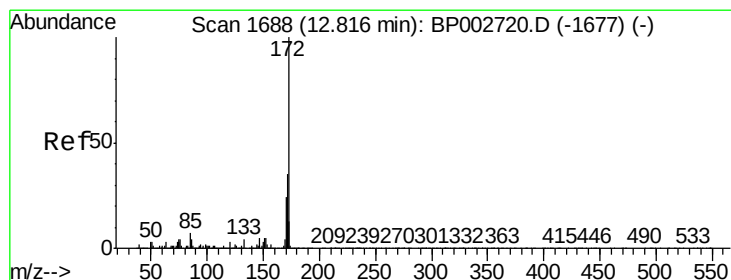
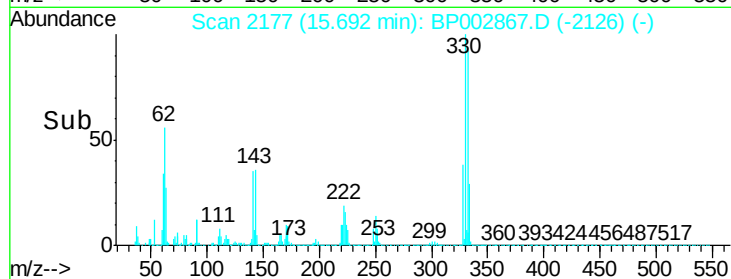
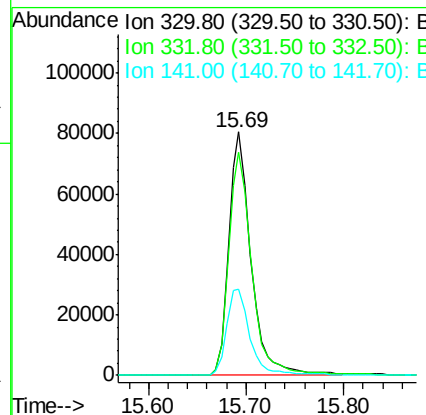
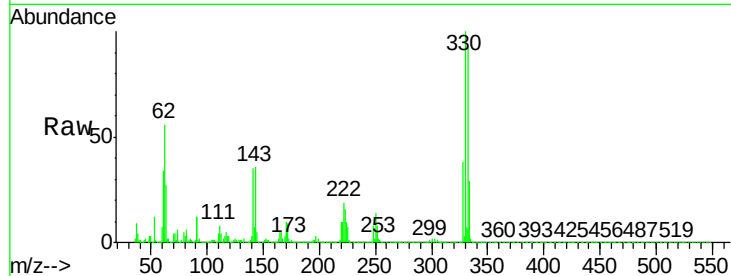




#42
2,4,6-Tribromophenol
Concen: 150.081 ng
RT: 15.69 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BP002867.D
Acq: 24 Jul 2020 22:47

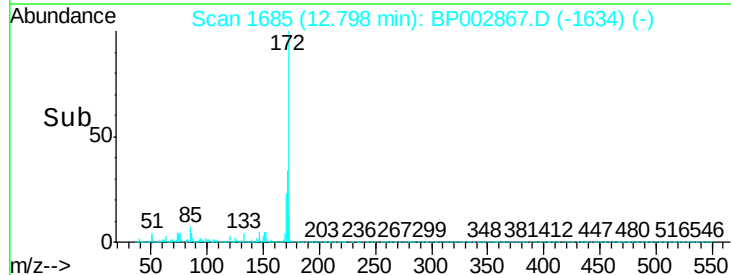
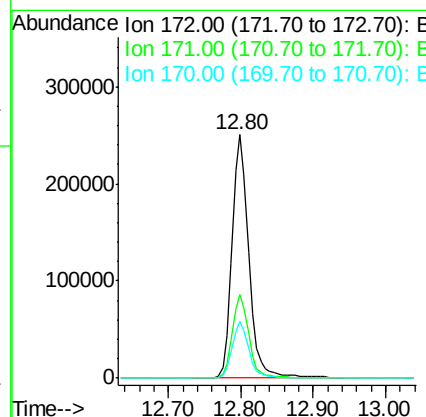
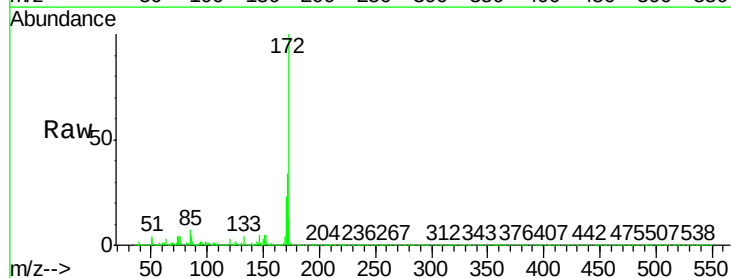
Instrument :
BNA_P
ClientSampleId :
CTR-011

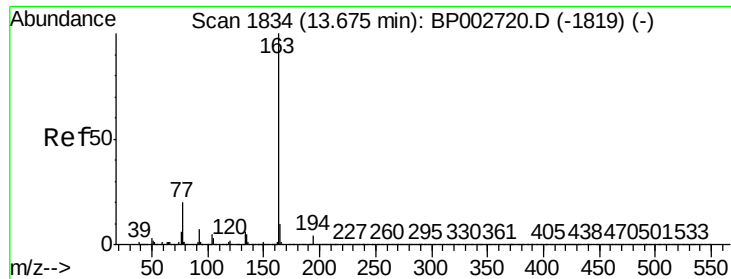
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.6	116.4
141	37.5	29.0	43.6



#45
2-Fluorobiphenyl
Concen: 77.110 ng
RT: 12.80 min Scan# 1685
Delta R.T. -0.00 min
Lab File: BP002867.D
Acq: 24 Jul 2020 22:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.0	40.4
170	23.1	19.4	29.2





#50

Dimethylphthalate

Concen: 8.464 ng

RT: 13.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

Instrument :

BNA_P

ClientSampleId :

CTR-011

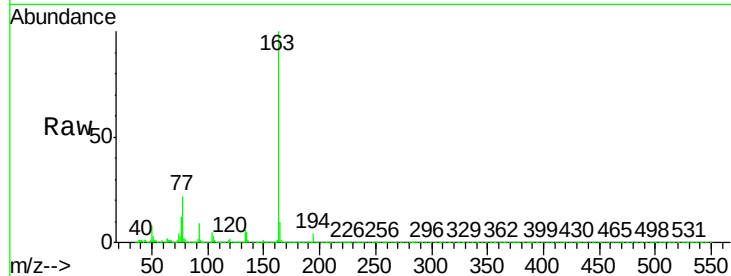
Tot Ion:163 Resp: 52382

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

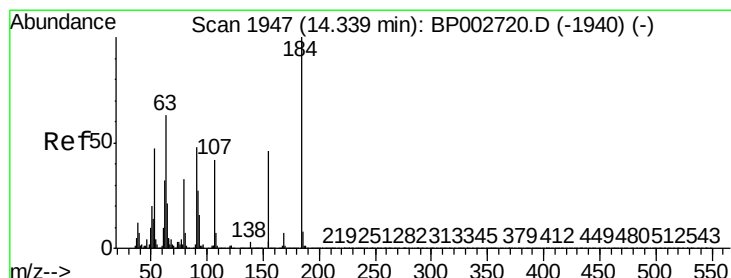
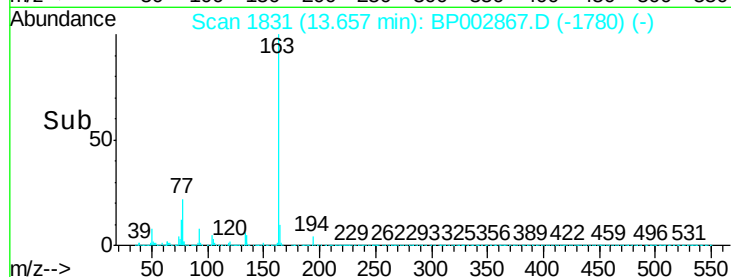
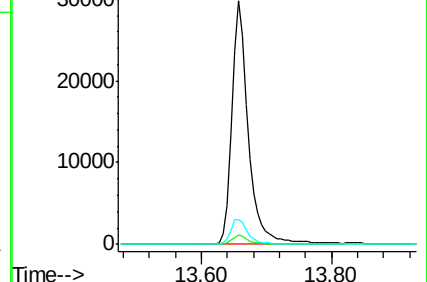
164 10.2 8.2 12.2



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: 11.386 ng

RT: 14.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

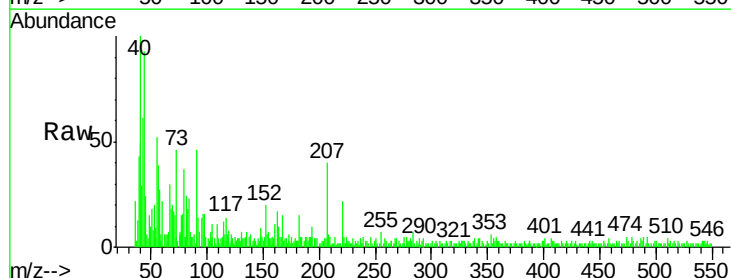
Tgt Ion:184 Resp: 10

Ion Ratio Lower Upper

184 100

63 138.9 55.4 83.0#

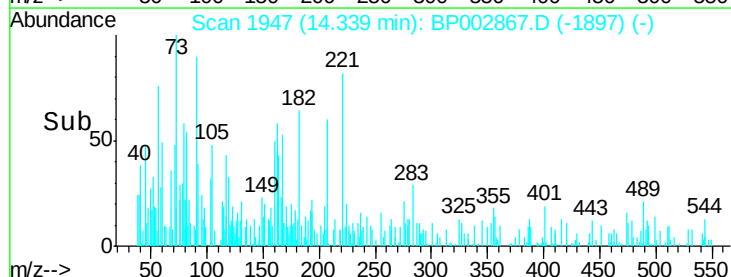
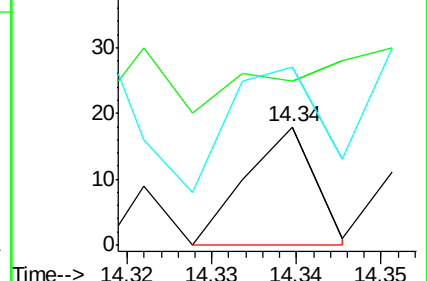
154 150.0 47.5 71.3#

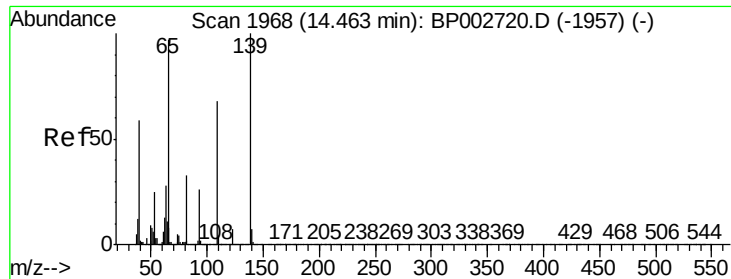


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#56

4-Nitrophenol

Concen: 4.989 ng

RT: 14.45 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

Instrument :

BNA_P

ClientSampled :

CTR-011

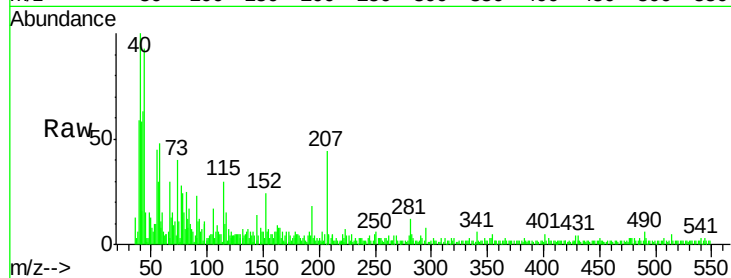
Tot Ion:139 Resp: 22

Ion Ratio Lower Upper

139 100

109 156.0 55.2 95.2#

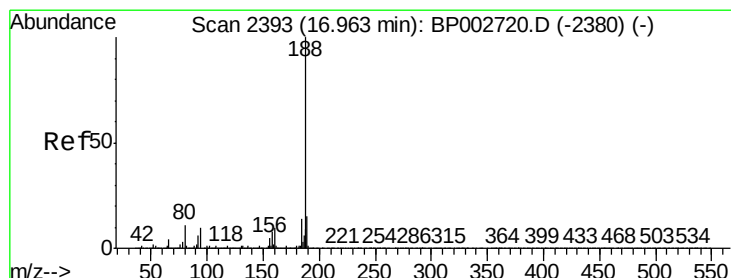
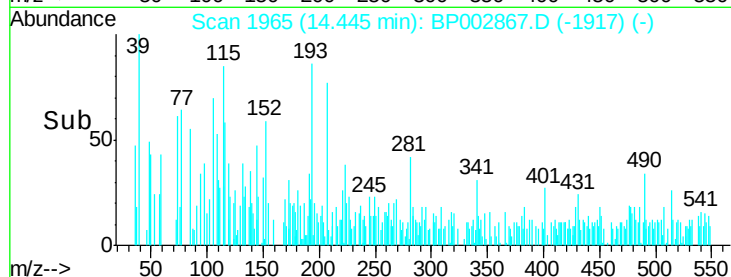
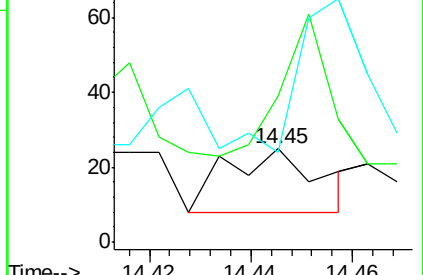
65 96.0 84.7 124.7



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: BP002867.D

Acq: 24 Jul 2020 22:47

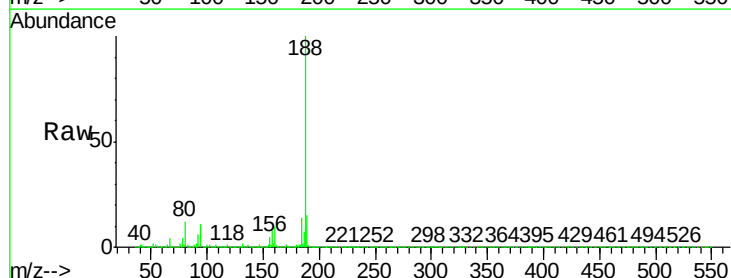
Tgt Ion:188 Resp: 223477

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

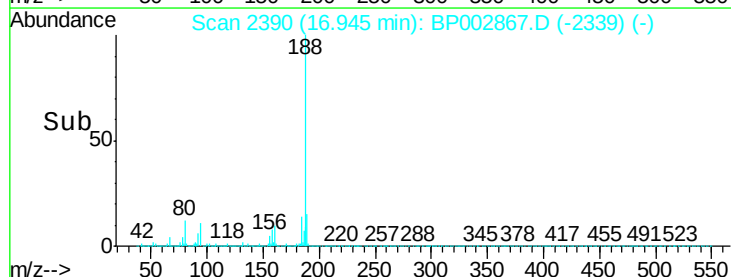
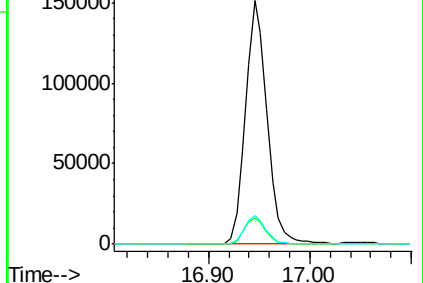
80 11.6 9.0 13.4

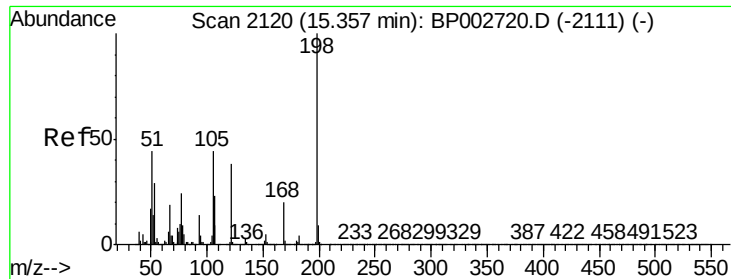


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

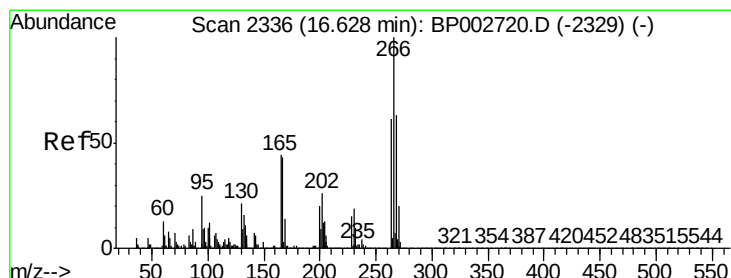
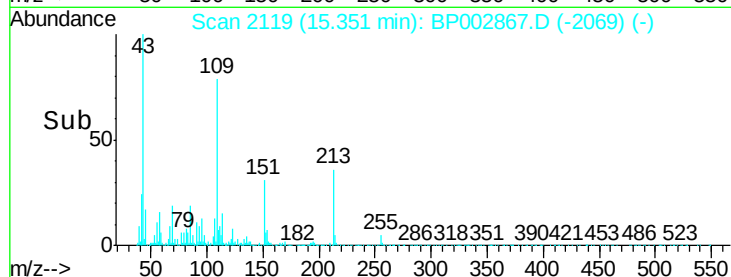
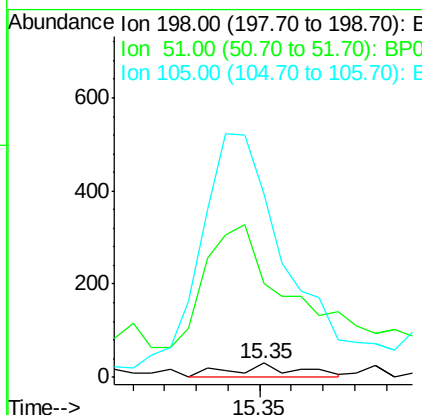
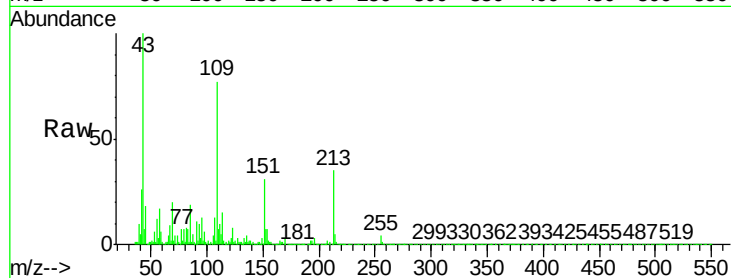




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.294 ng
 RT: 15.35 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BP002867.D
 Acq: 24 Jul 2020 22:47

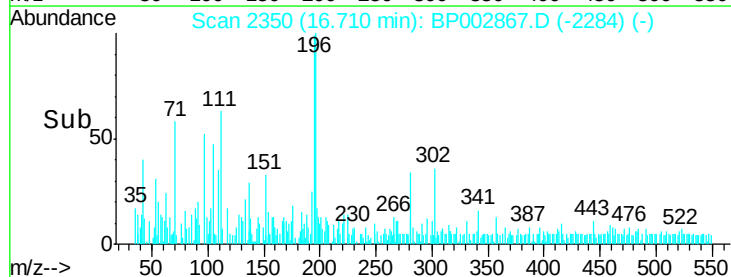
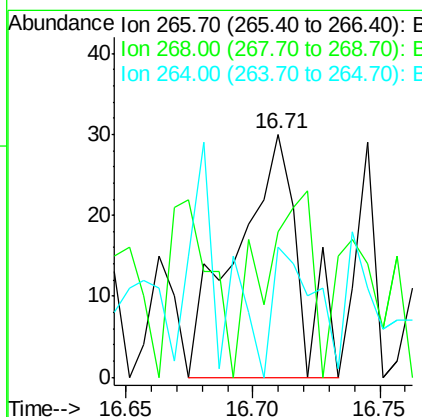
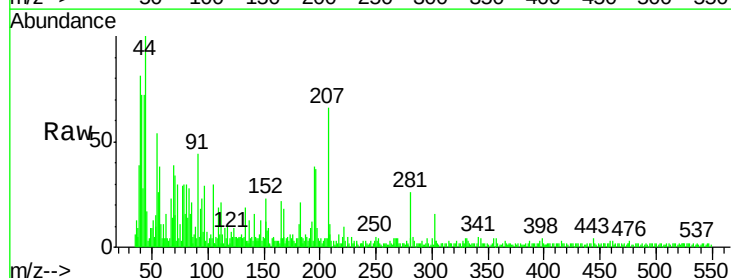
Instrument :
 BNA_P
 ClientSampleId :
 CTR-011

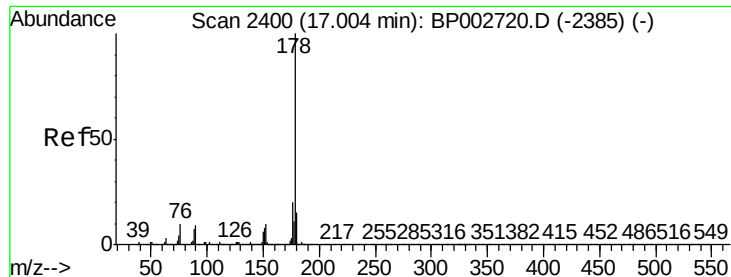
Tot Ion:198 Resp: 42
 Ion Ratio Lower Upper
 198 100
 51 670.0 25.1 65.1#
 105 1316.7 24.6 64.6#



#70
 Pentachlorophenol
 Concen: 7.479 ng
 RT: 16.71 min Scan# 2350
 Delta R.T. 0.09 min
 Lab File: BP002867.D
 Acq: 24 Jul 2020 22:47

Tgt Ion:266 Resp: 52
 Ion Ratio Lower Upper
 266 100
 268 60.0 51.2 76.8
 264 53.3 50.2 75.4





#71

Phenanthrene

Concen: 3.192 ng

RT: 16.99 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

Instrument :

BNA_P

ClientSampleId :

CTR-011

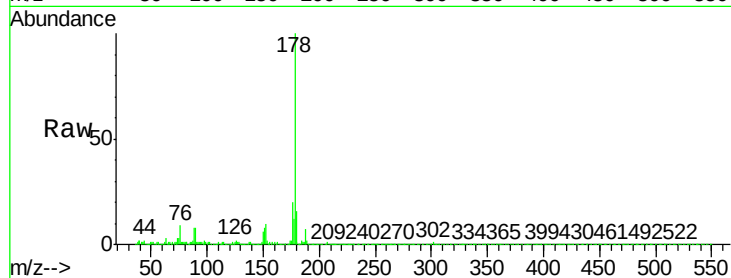
Tot Ion:178 Resp: 38626

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.0

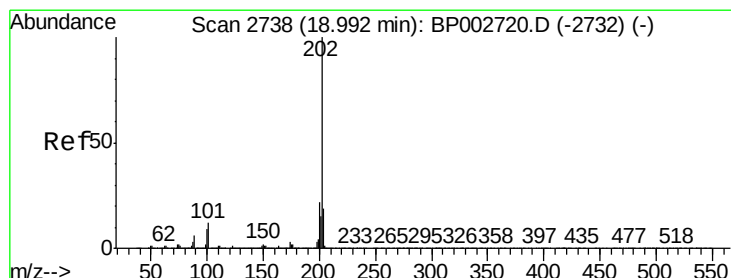
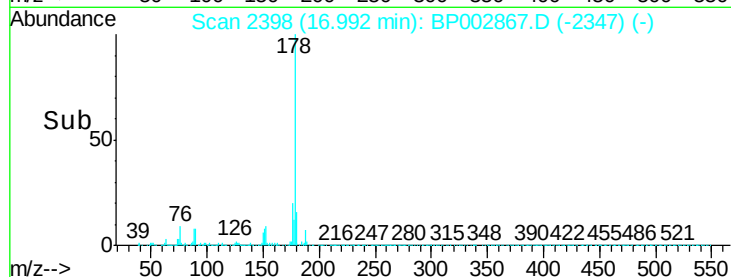
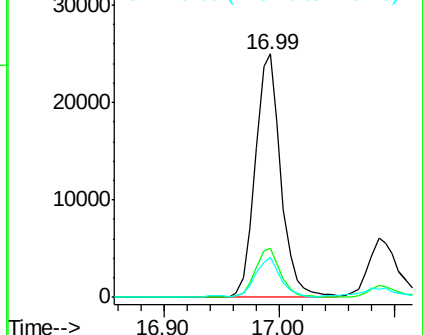
179 16.5 11.8 17.6



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: 13.900 ng

RT: 18.97 min Scan# 2735

Delta R.T. -0.00 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

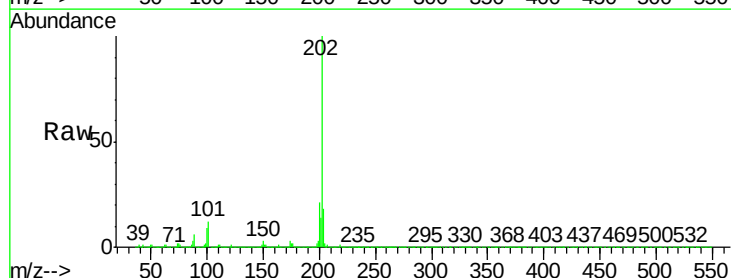
Tgt Ion:202 Resp: 194885

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.0

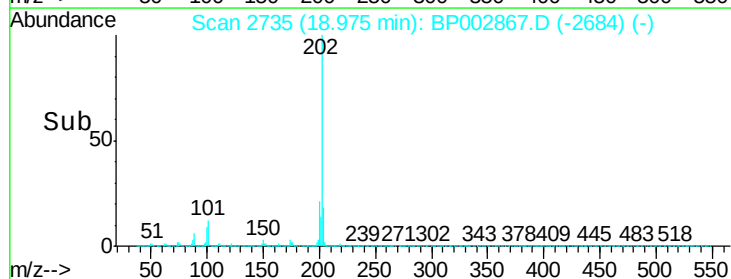
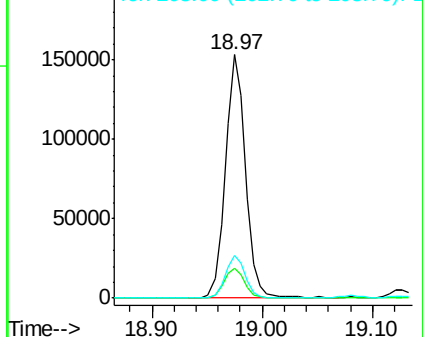
203 17.6 0.0 38.1

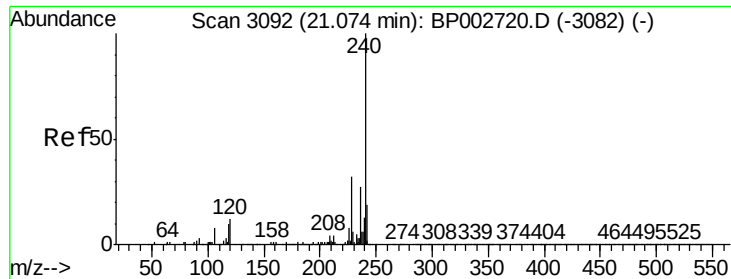


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

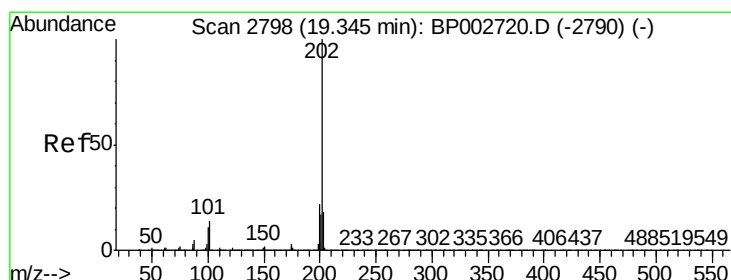
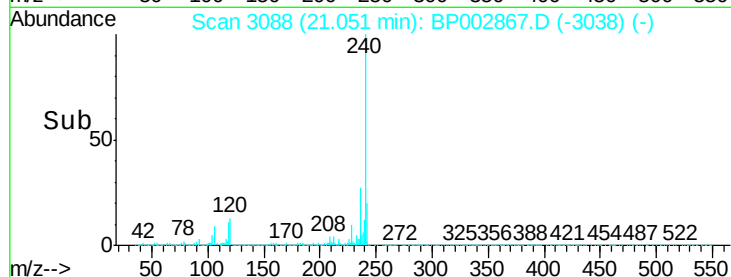
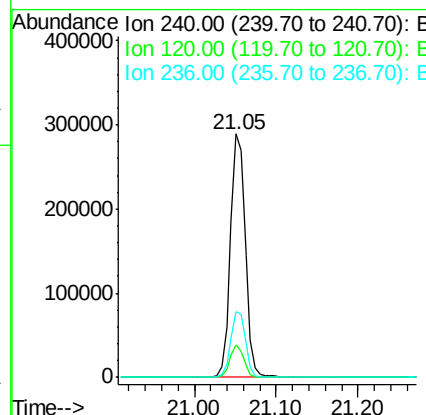
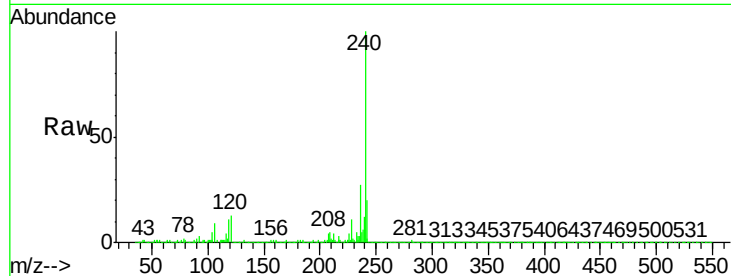




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.05 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BP002867.D
Acq: 24 Jul 2020 22:47

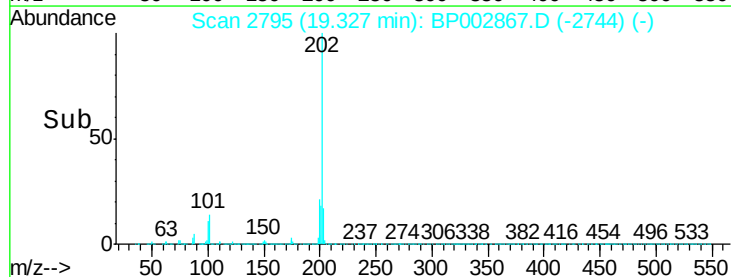
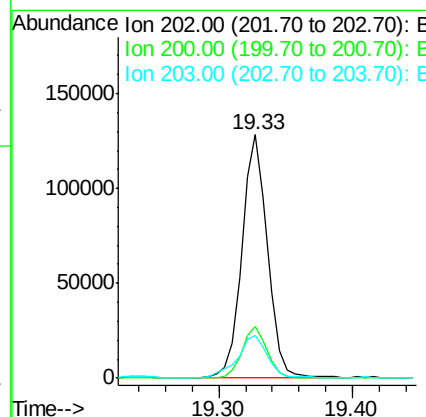
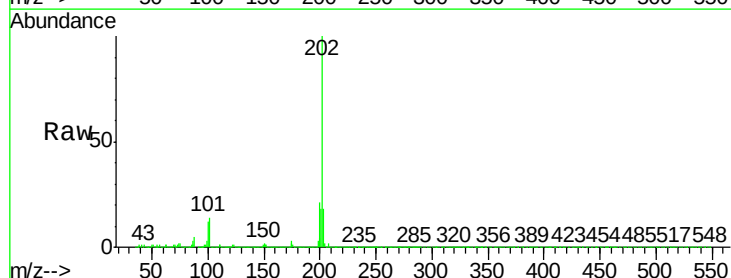
Instrument :
BNA_P
ClientSampleId :
CTR-011

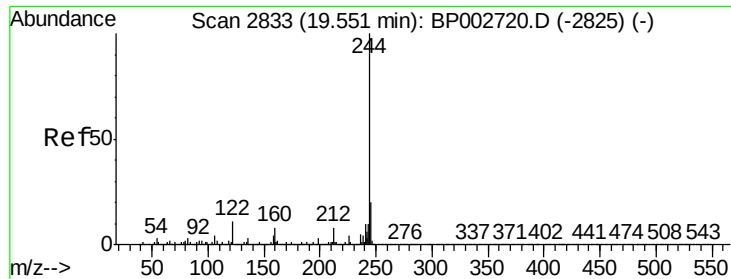
Tot Ion:240 Resp: 365492
Ion Ratio Lower Upper
240 100
120 13.1 9.2 13.8
236 27.1 20.3 30.5



#78
Pyrene
Concen: 6.674 ng
RT: 19.33 min Scan# 2795
Delta R.T. -0.00 min
Lab File: BP002867.D
Acq: 24 Jul 2020 22:47

Tgt Ion:202 Resp: 168422
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 17.6 13.8 20.8





#79

Terphenyl-d14

Concen: 62.976 ng

RT: 19.53 min Scan# 2830

Delta R.T. -0.01 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

Instrument :

BNA_P

ClientSampled :

CTR-011

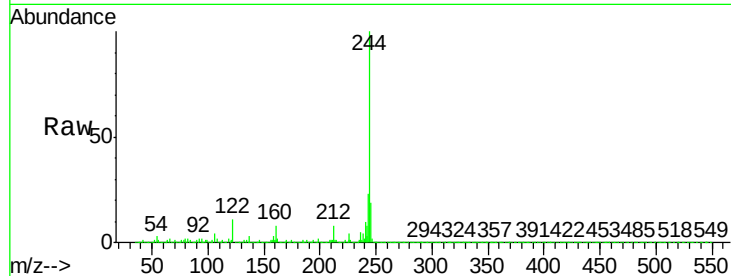
Tot Ion:244 Resp: 1003920

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

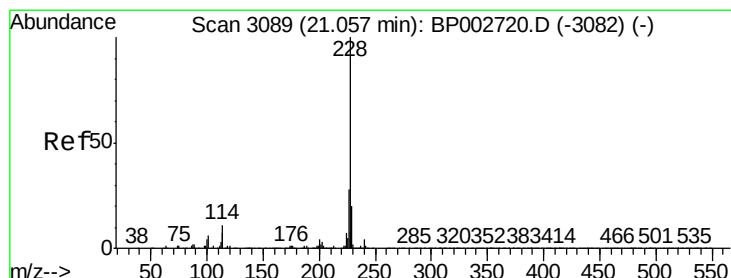
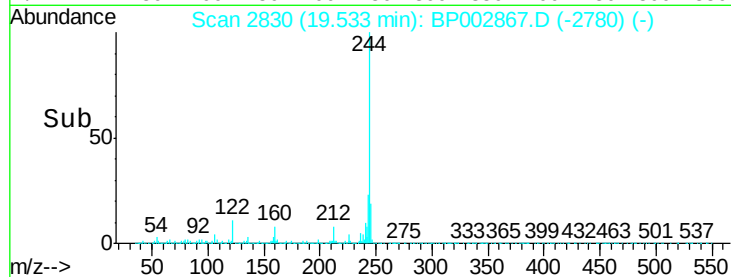
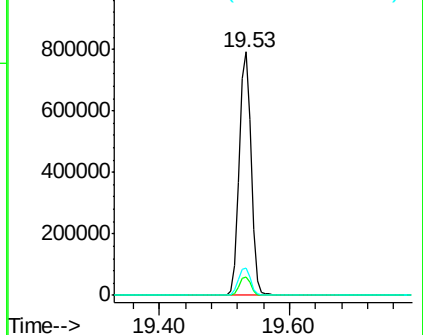
122 11.2 7.9 11.9



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: 5.076 ng

RT: 21.04 min Scan# 3086

Delta R.T. -0.00 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

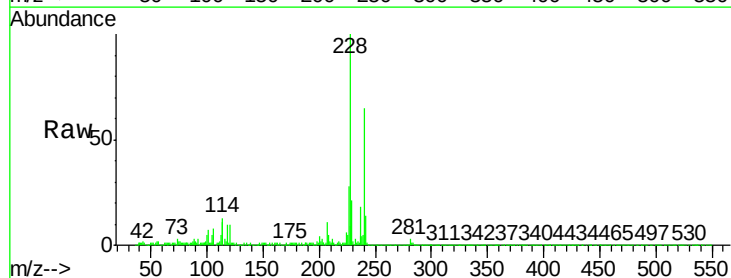
Tgt Ion:228 Resp: 120101

Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.6

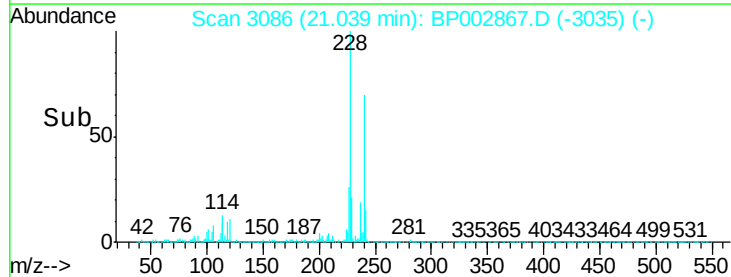
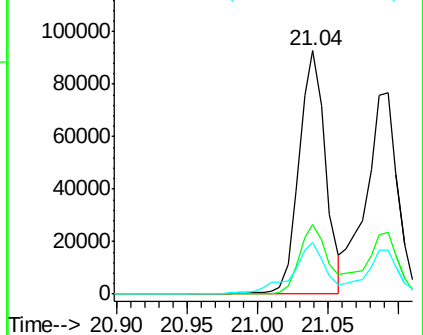
229 21.1 15.8 23.6

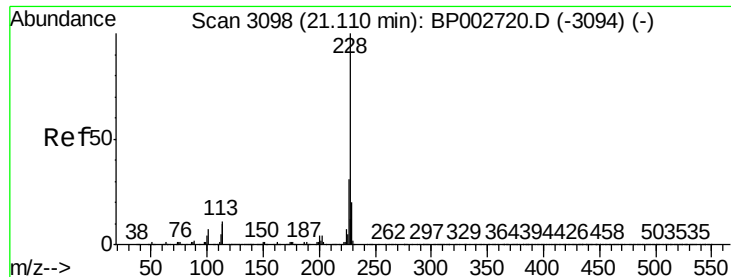


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.100 ng

RT: 21.09 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

Instrument :

BNA_P

ClientSampleId :

CTR-011

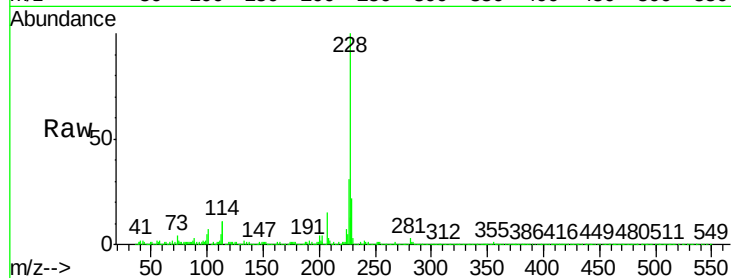
Tot Ion:228 Resp: 114853

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	21.6	15.2	22.8

228 100

226 30.8 23.4 35.2

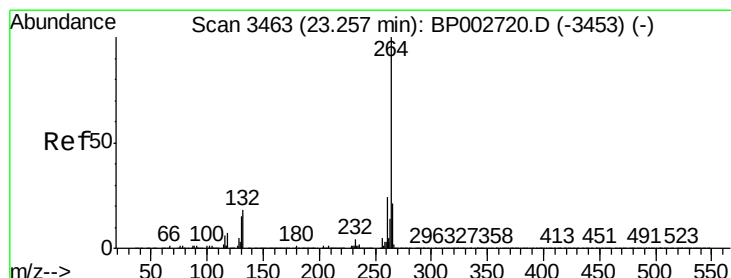
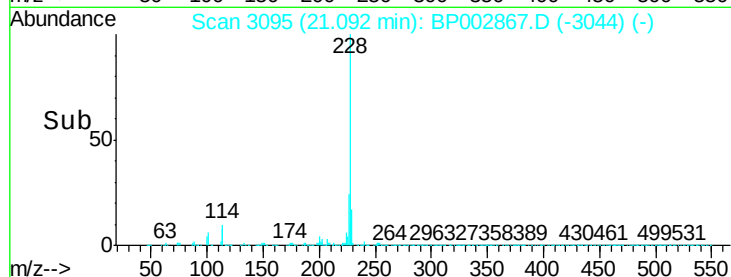
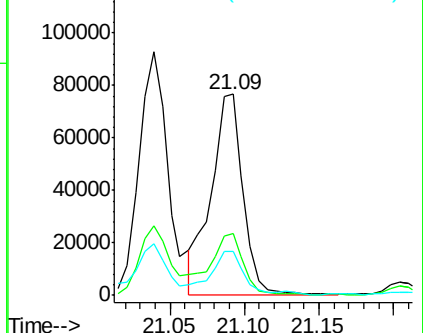
229 21.6 15.2 22.8



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: BP002867.D

Acq: 24 Jul 2020 22:47

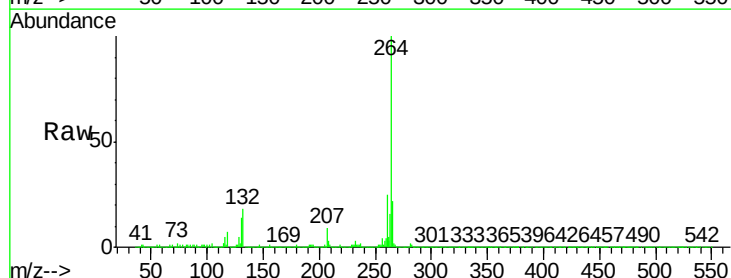
Tgt Ion:264 Resp: 482378

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.6	29.4
265	21.5	16.7	25.1

264 100

260 25.0 19.6 29.4

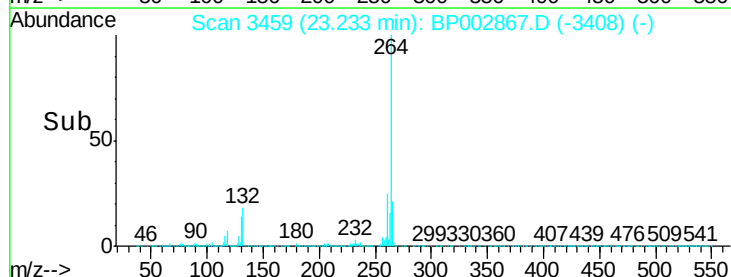
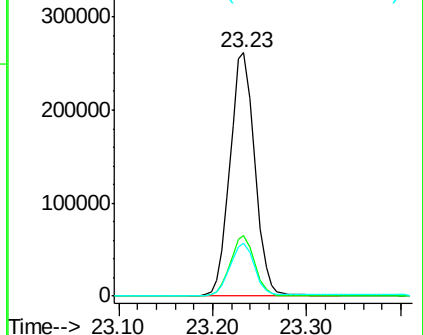
265 21.5 16.7 25.1

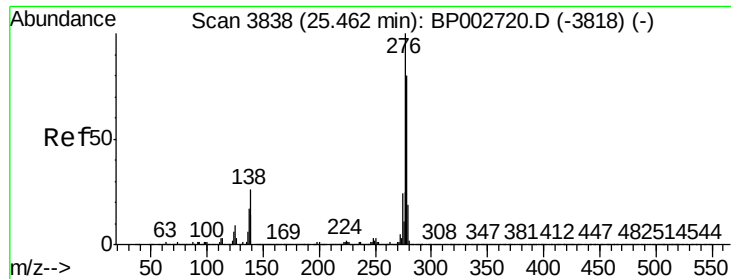


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

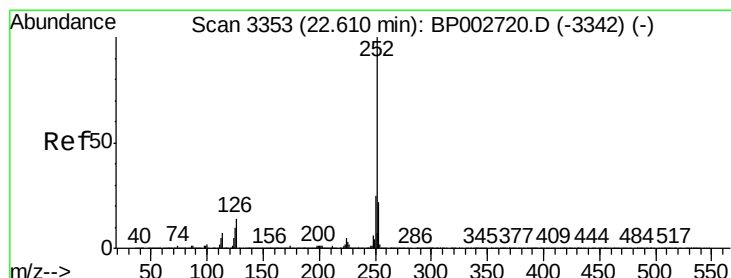
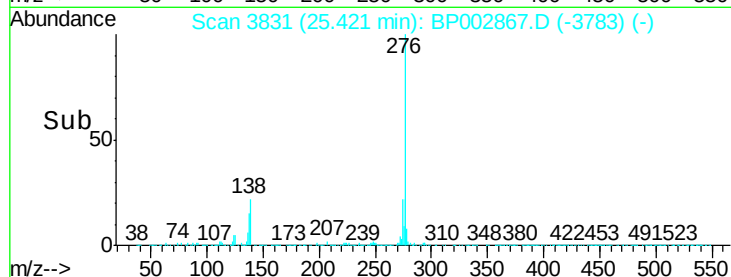
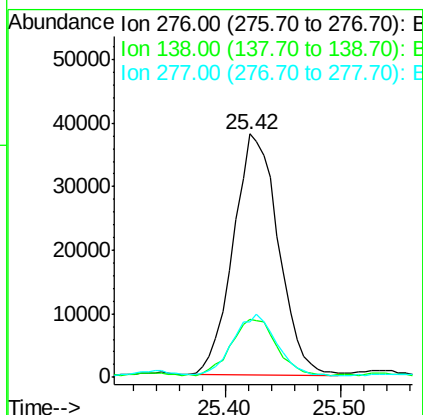
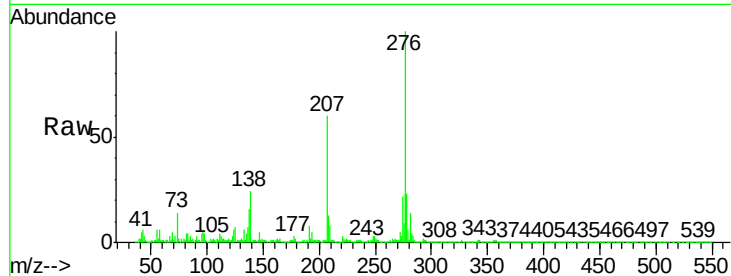




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.945 ng
 RT: 25.42 min Scan# 3831
 Delta R.T. -0.02 min
 Lab File: BP002867.D
 Acq: 24 Jul 2020 22:47

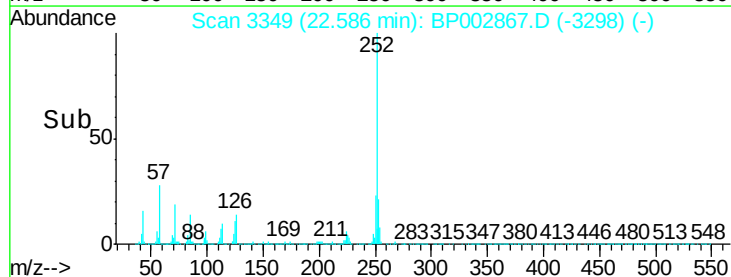
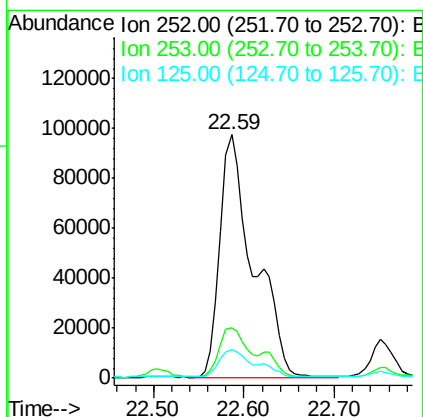
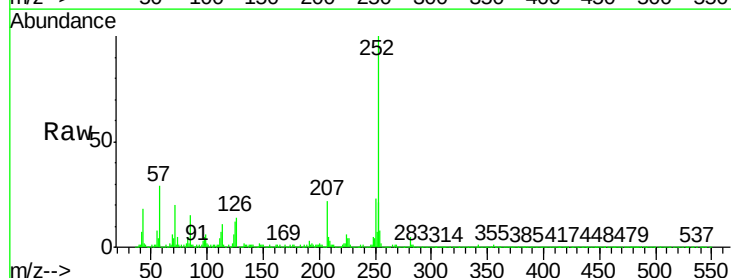
Instrument :
 BNA_P
 ClientSampleId :
 CTR-011

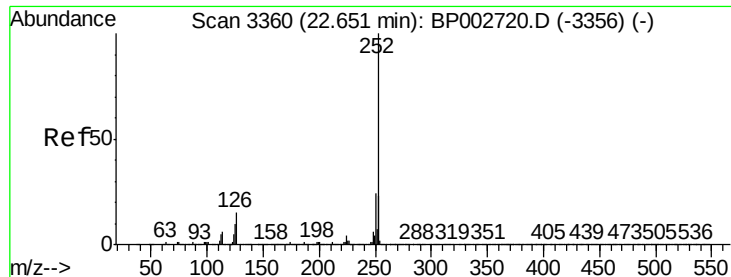
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.5	30.7
277	24.3	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 8.391 ng
 RT: 22.59 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: BP002867.D
 Acq: 24 Jul 2020 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.5	27.7
125	11.7	8.3	12.5

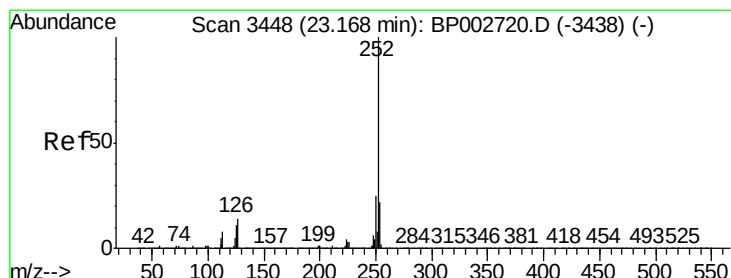
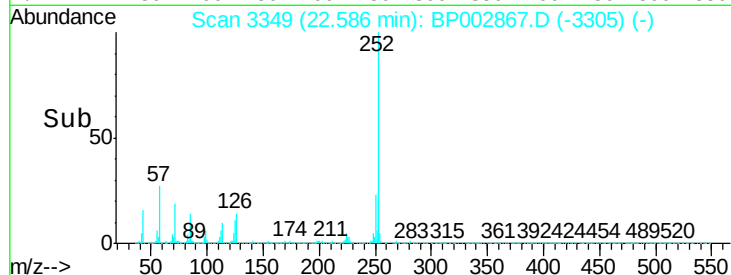
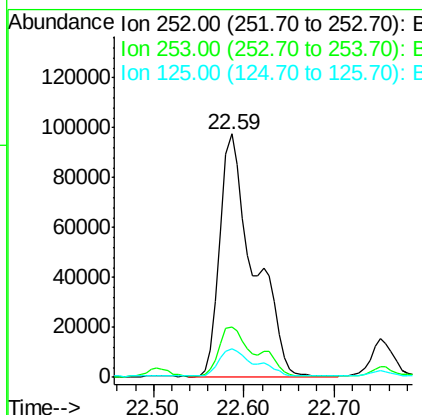
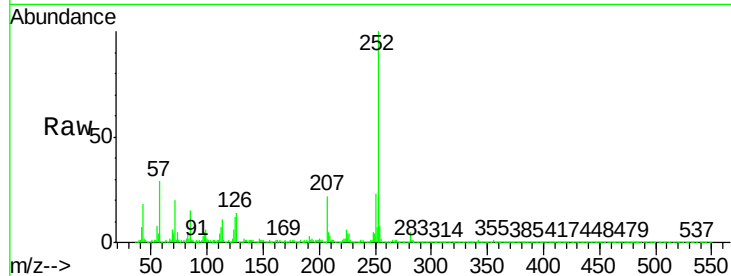




#89
Benzo(k)fluoranthene
Concen: 8.519 ng
RT: 22.59 min Scan# 3349
Delta R.T. -0.04 min
Lab File: BP002867.D
Acq: 24 Jul 2020 22:47

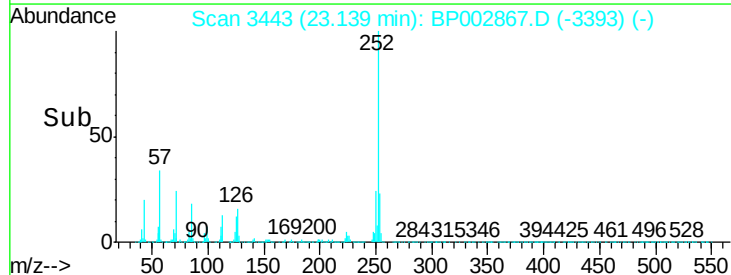
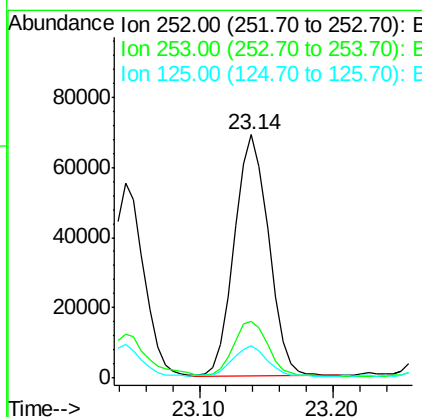
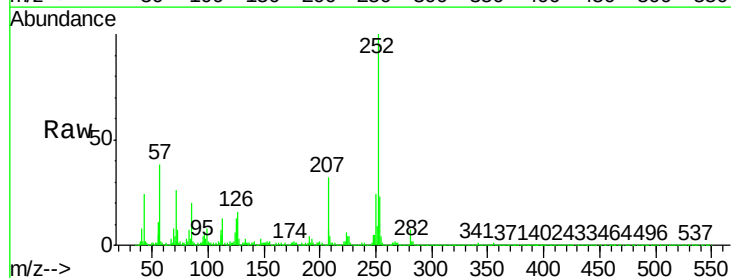
Instrument :
BNA_P
ClientSampled :
CTR-011

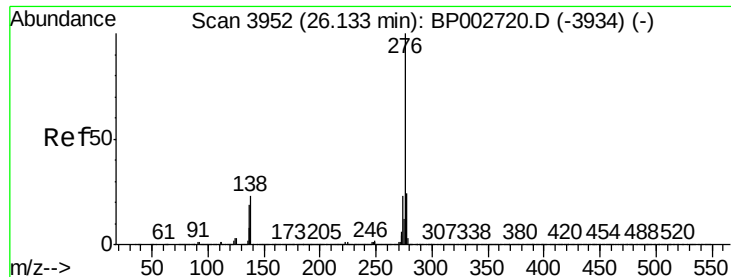
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.0	25.6
125	11.7	8.0	12.0



#90
Benzo(a)pyrene
Concen: 4.314 ng
RT: 23.14 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BP002867.D
Acq: 24 Jul 2020 22:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	13.1	8.9	13.3





#92

Benzo(a,h,i)perylene

Concen: 3.432 ng

RT: 26.09 min Scan# 3945

Delta R.T. -0.02 min

Lab File: BP002867.D

Acq: 24 Jul 2020 22:47

Instrument :

BNA_P

ClientSampleId :

CTR-011

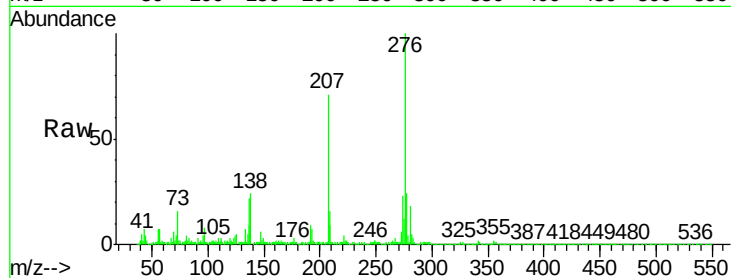
Tot Ion:276 Resp: 97843

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 23.8 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

