

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072320\
 Data File : BP002842.D
 Acq On : 23 Jul 2020 16:11
 Operator : CG/JU
 Sample : L3360-01RERX
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP-1ARX

Quant Time: Jul 23 17:11:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	62986	20.00	ng	-0.01
21) Naphthalene-d8	10.31	136	274197	20.00	ng	-0.02
39) Acenaphthene-d10	14.20	164	175983	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	416574	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	516122	20.00	ng	0.00
86) Perylene-d12	23.26	264	594666	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.17	112	161853	43.36	ng	-0.01
7) Phenol-d6	6.75	99	452297	84.89	ng	-0.01
23) Nitrobenzene-d5	8.69	82	326114	63.61	ng	-0.02
42) 2,4,6-Tribromophenol	15.70	330	57047	31.05	ng	0.00
45) 2-Fluorobiphenyl	12.80	172	662622	58.25	ng	-0.02
79) Terphenyl-d14	19.55	244	1088413	48.35	ng	-0.01

Target Compounds

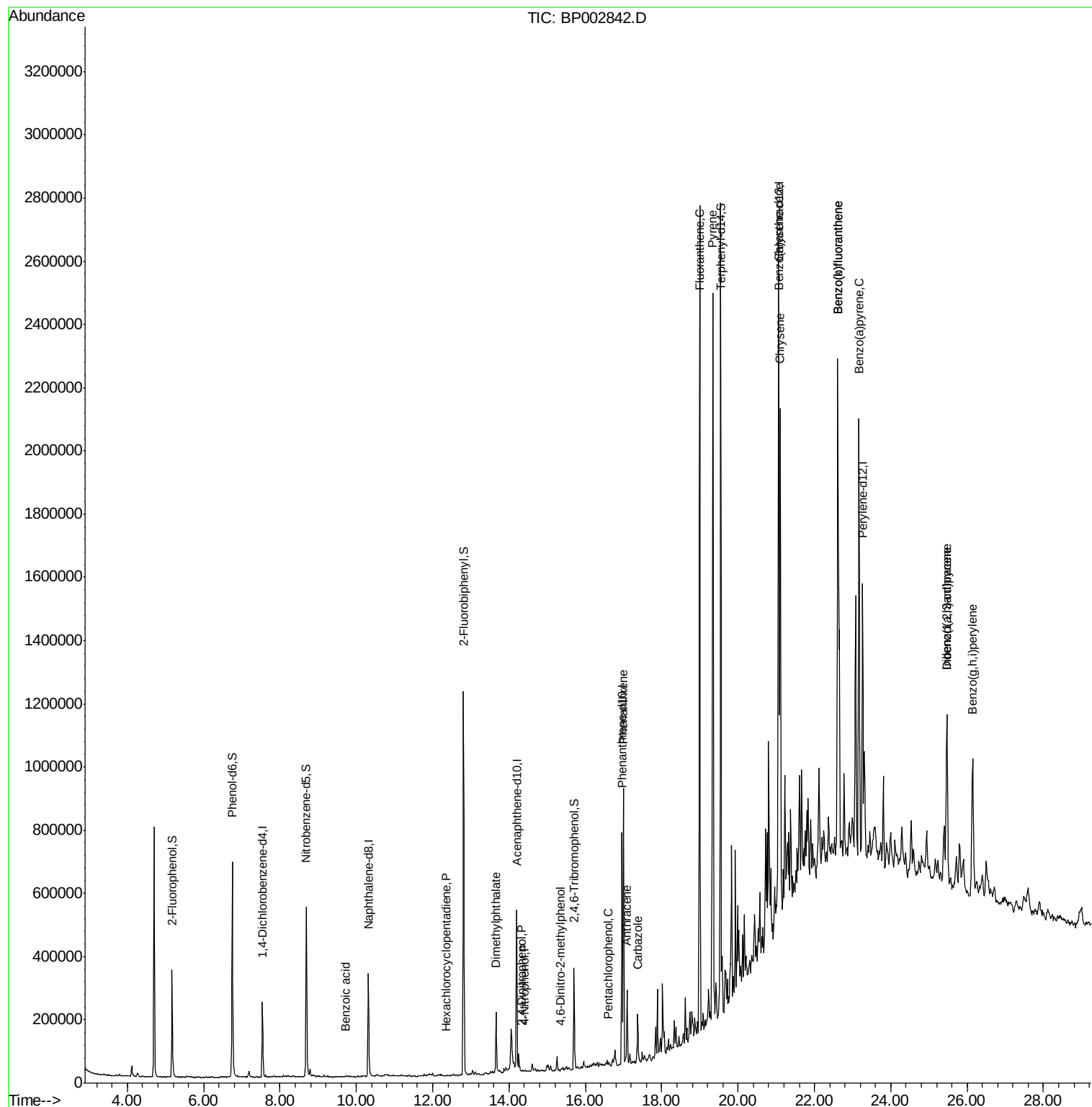
						Qvalue
32) Benzoic acid	9.72	122	473	7.196	ng	# 82
41) Hexachlorocyclopentadiene	12.35	237	7	7.437	ng	88
50) Dimethylphthalate	13.66	163	125198	9.328	ng	99
54) 2,4-Dinitrophenol	14.33	184	10	11.379	ng	# 1
56) 4-Nitrophenol	14.41	139	208	5.048	ng	# 71
65) 4,6-Dinitro-2-methylphenol	15.33	198	28	5.276	ng	# 1
70) Pentachlorophenol	16.59	266	73	7.470	ng	96
71) Phenanthrene	17.00	178	508638	22.551	ng	99
72) Anthracene	17.09	178	139127	6.286	ng	97
73) Carbazole	17.37	167	96224	4.430	ng	100
75) Fluoranthene	18.99	202	1565316	59.894	ng	98
78) Pyrene	19.35	202	1428225	40.079	ng	99
81) Benzo(a)anthracene	21.06	228	956929	28.642	ng	100
83) Chrysene	21.10	228	894666	28.132	ng	96
87) Indeno(1,2,3-cd)pyrene	25.47	276	513438	11.946	ng	96
88) Benzo(b)fluoranthene	22.61	252	1573571	42.615	ng	97
89) Benzo(k)fluoranthene	22.61	252	1573571	43.264	ng	97
90) Benzo(a)pyrene	23.17	252	835443	23.876	ng	99
91) Dibenzo(a,h)anthracene	25.47	278	141935	4.095	ng	# 79
92) Benzo(a,h,i)perylene	26.14	276	504687	14.361	ng	97

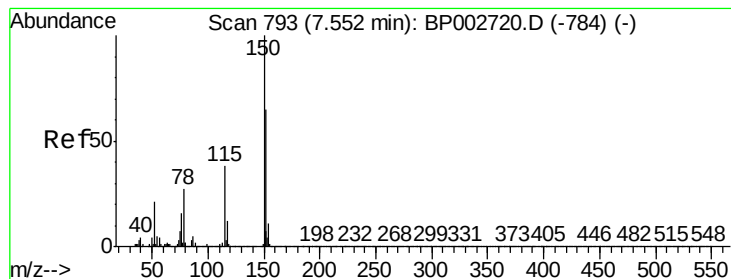
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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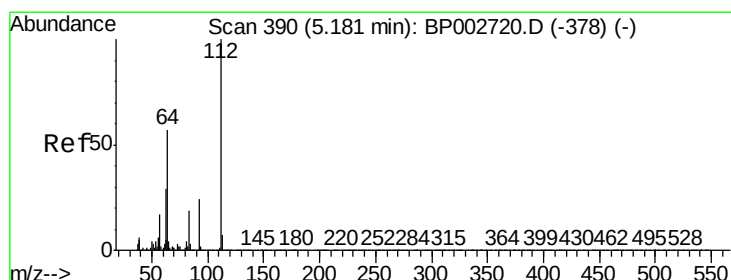
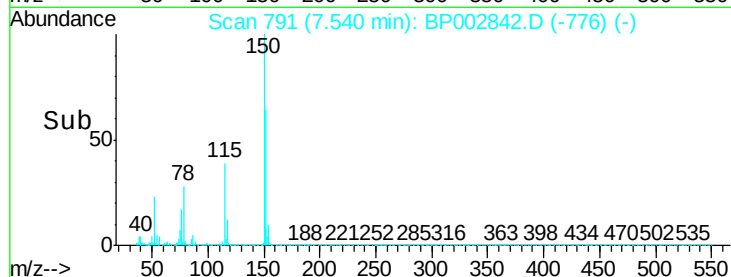
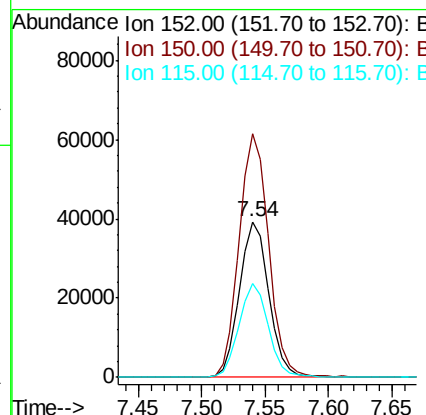
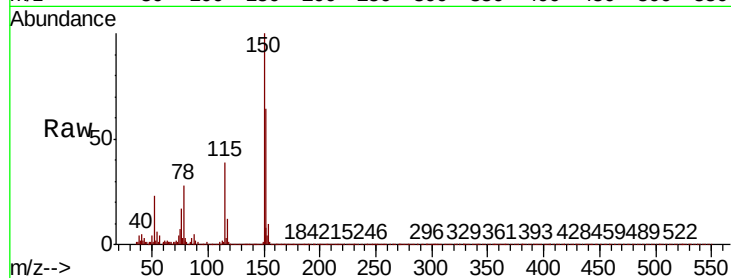


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.54 min Scan# 791
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Instrument :
BNA_P
ClientSampleId :
SP-1ARX

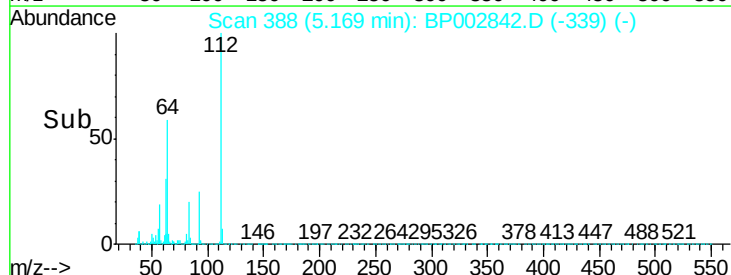
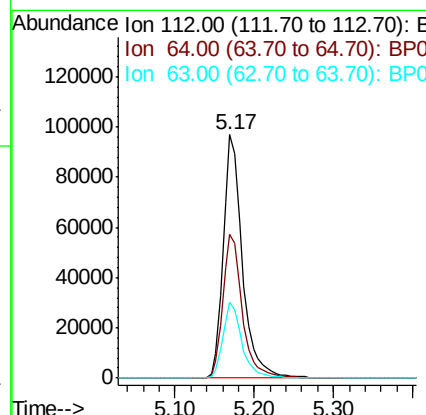
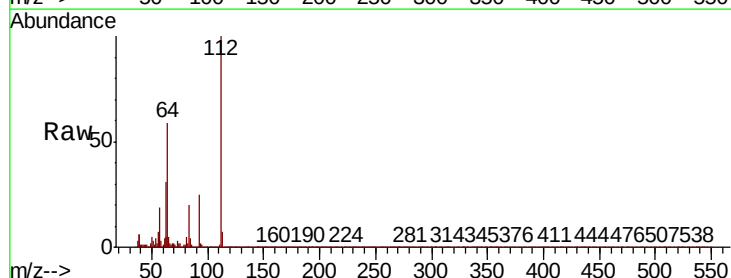
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.7	185.5
115	60.5	47.2	70.8

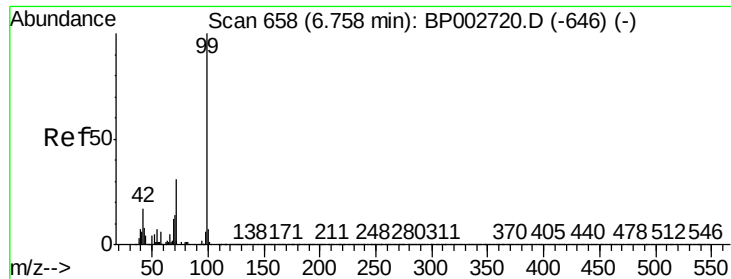


#5

2-Fluorophenol
Concen: 43.355 ng
RT: 5.17 min Scan# 388
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	45.6	68.4
63	31.0	23.5	35.3





#7

Phenol-d6

Concen: 84.892 ng

RT: 6.75 min Scan# 656

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Instrument :

BNA_P

ClientSampleId :

SP-1ARX

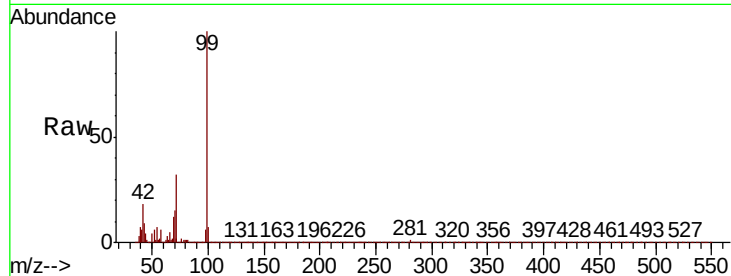
Tot Ion: 99 Resp: 452297

Ion Ratio Lower Upper

99 100

42 18.2 13.4 20.2

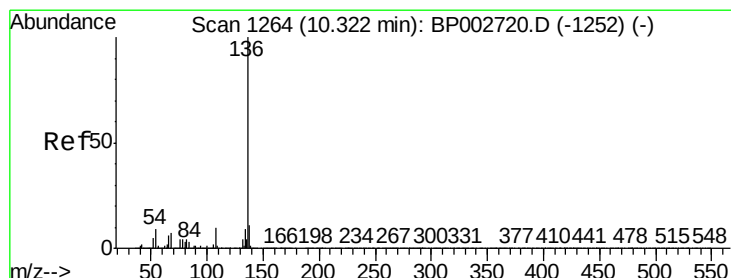
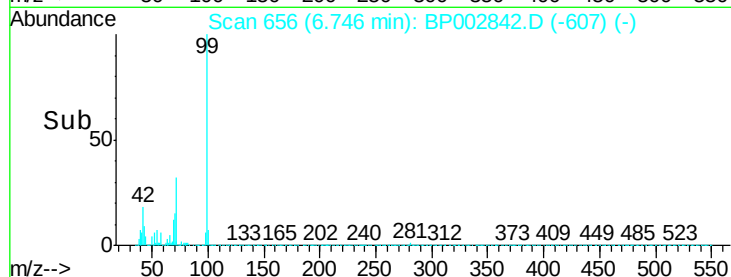
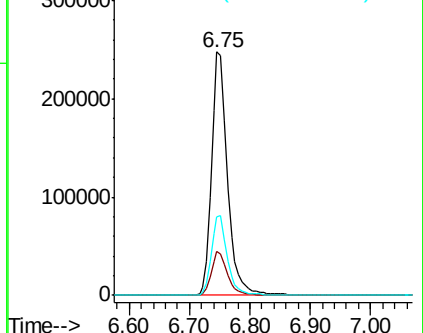
71 32.4 24.6 36.8



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. -0.02 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Tgt Ion: 136 Resp: 274197

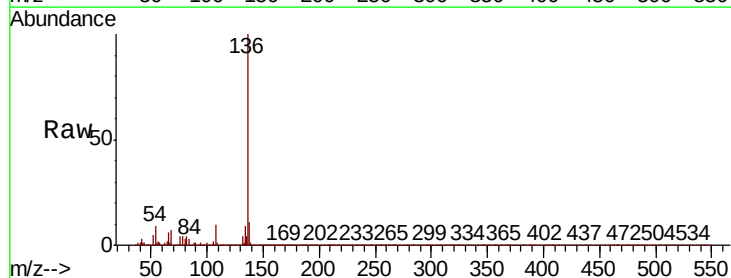
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 9.0 6.9 10.3

68 7.4 5.7 8.5

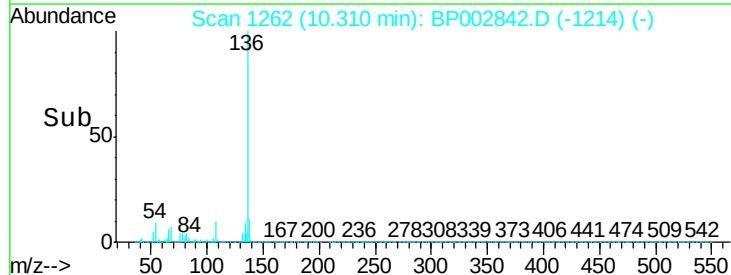
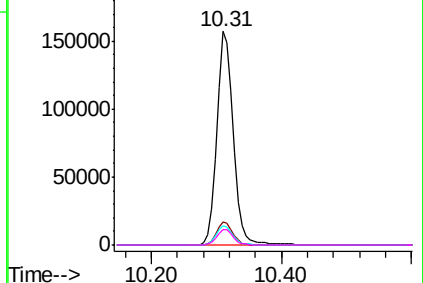


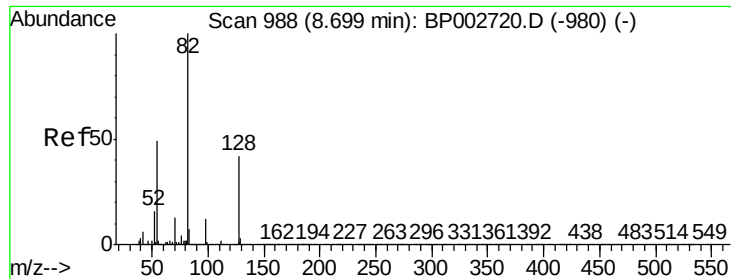
Abundance Ion 136.00 (135.70 to 136.70): E

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

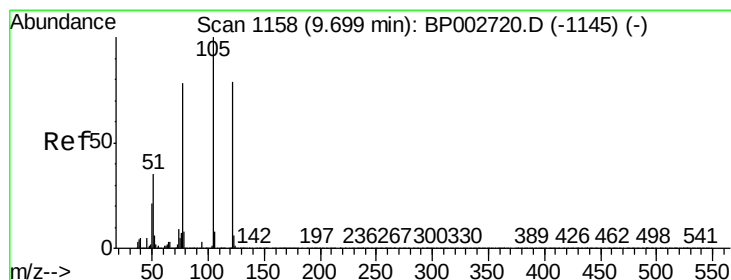
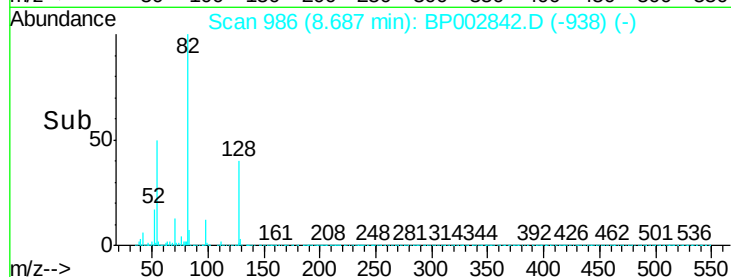
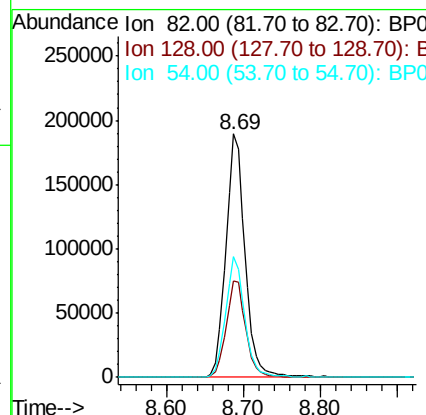
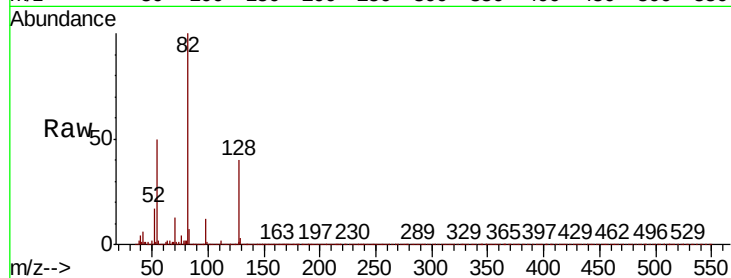




#23
 Nitrobenzene-d5
 Concen: 63.610 ng
 RT: 8.69 min Scan# 986
 Delta R.T. -0.02 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

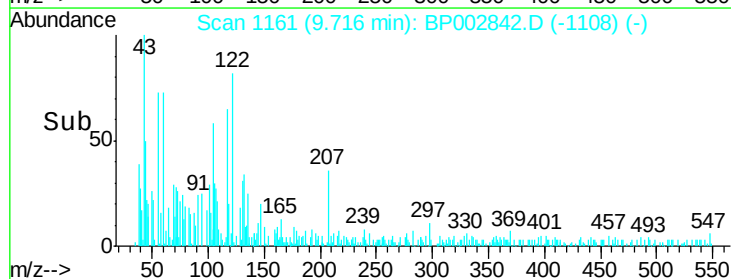
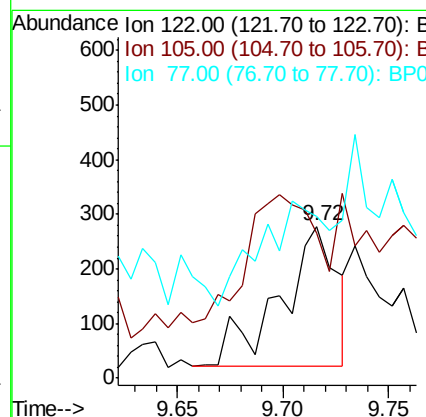
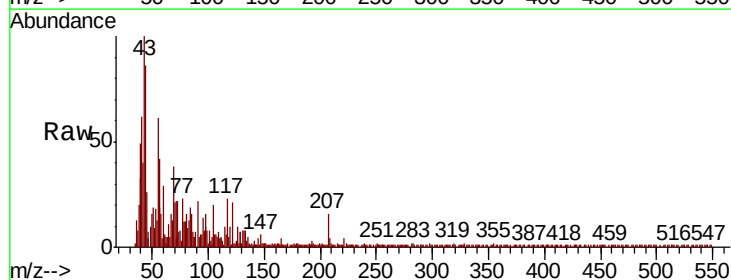
Instrument :
 BNA_P
 ClientSampleId :
 SP-1ARX

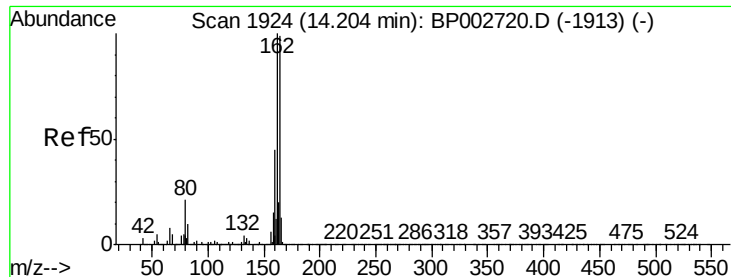
Tot Ion	82	Resp	326114
Ion Ratio	Lower	Upper	
82	100		
128	39.8	33.8	50.8
54	49.6	38.8	58.2



#32
 Benzoic acid
 Concen: 7.196 ng
 RT: 9.72 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Tgt Ion	122	Resp	473
Ion Ratio	Lower	Upper	
122	100		
105	95.3	105.4	145.4#
77	106.8	78.5	118.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Instrument :

BNA_P

ClientSampleId :

SP-1ARX

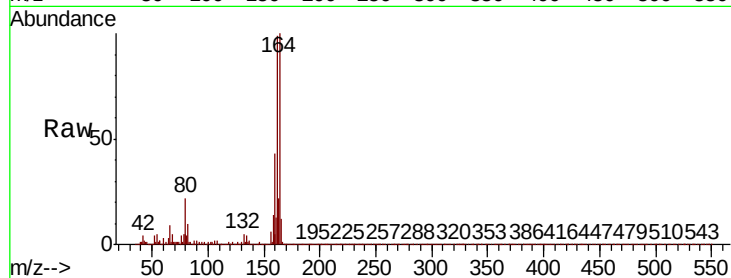
Tot Ion:164 Resp: 175983

Ion Ratio Lower Upper

164 100

162 98.8 80.6 121.0

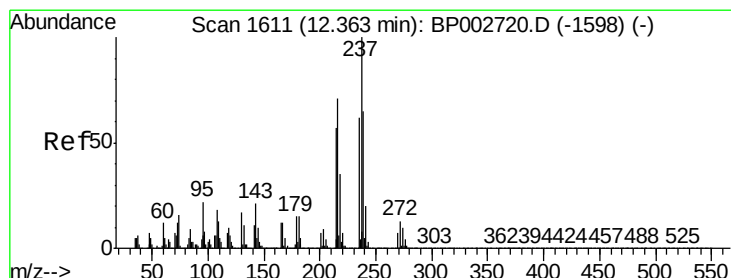
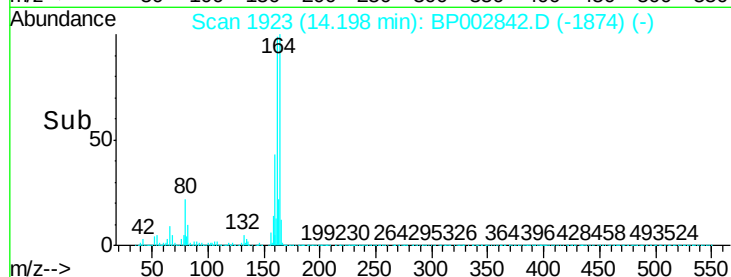
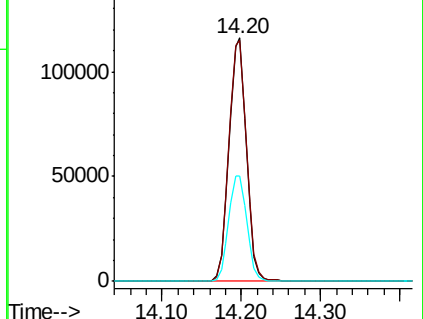
160 43.2 36.4 54.6



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: 7.437 ng

RT: 12.35 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

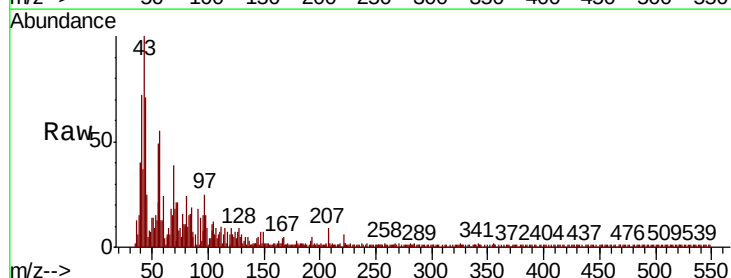
Tgt Ion:237 Resp: 7

Ion Ratio Lower Upper

237 100

235 57.1 42.3 82.3

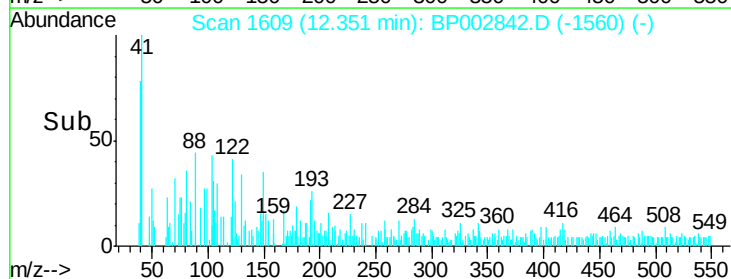
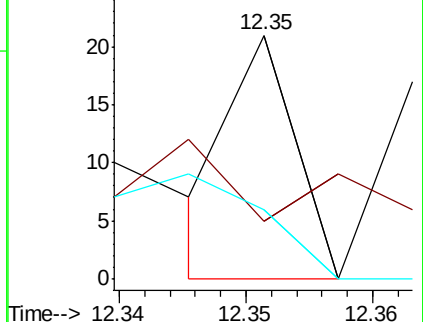
272 28.6 0.0 32.5

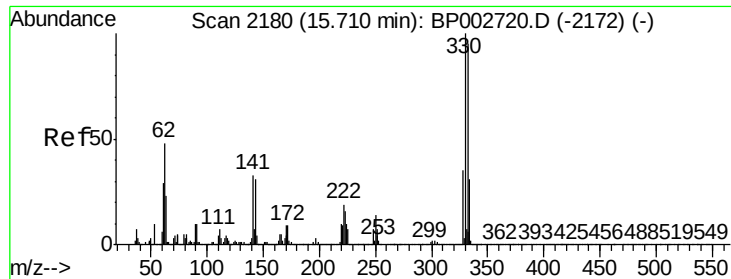


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

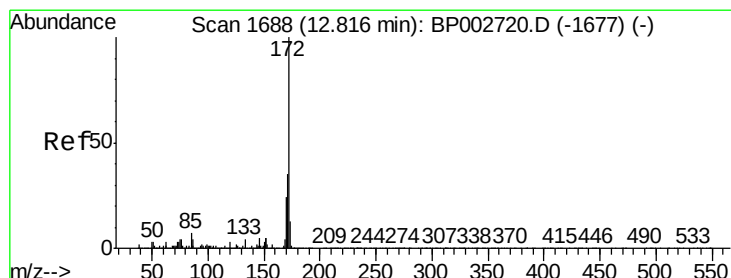
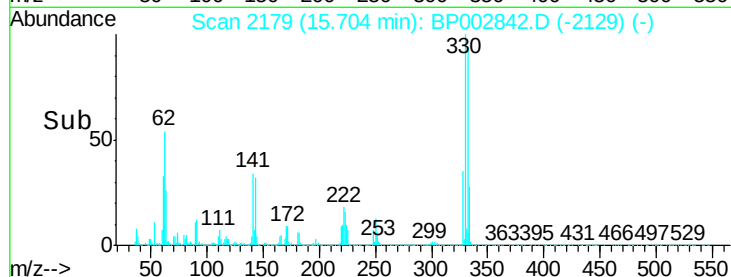
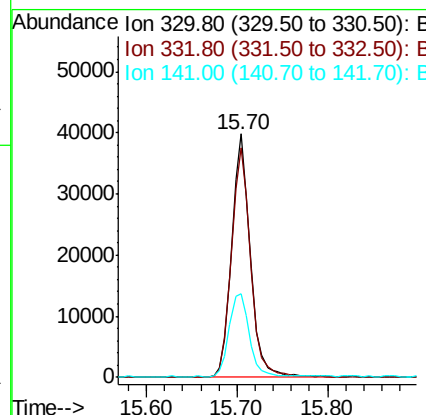
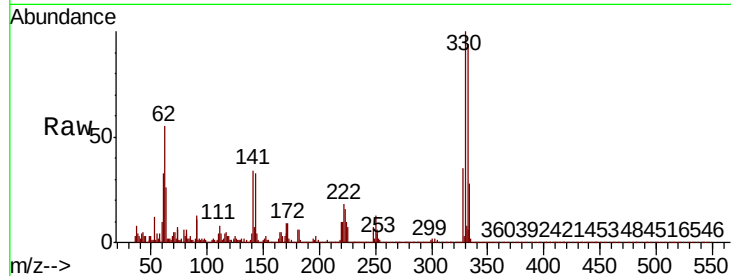




#42
 2,4,6-Tribromophenol
 Concen: 31.055 ng
 RT: 15.70 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

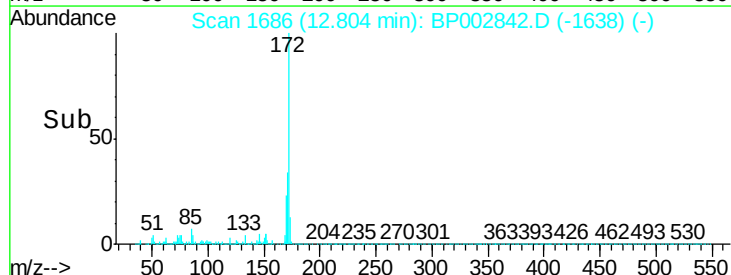
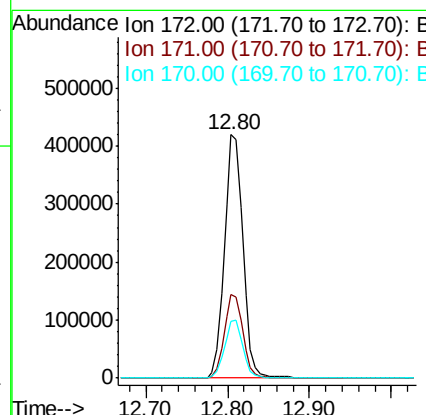
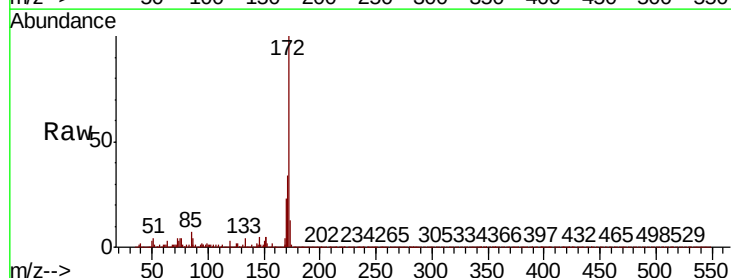
Instrument :
 BNA_P
 ClientSampleId :
 SP-1ARX

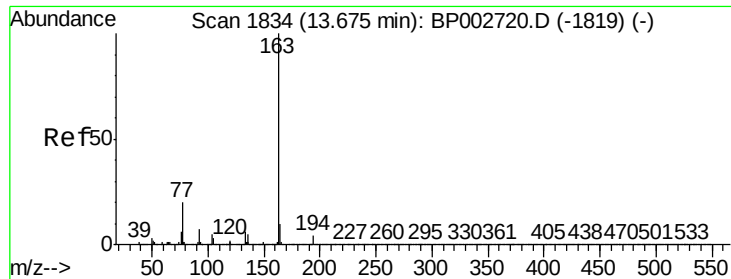
Tot Ion:330 Resp: 57047
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.5 114.7
 141 36.7 28.8 43.2



#45
 2-Fluorobiphenyl
 Concen: 58.248 ng
 RT: 12.80 min Scan# 1686
 Delta R.T. -0.02 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Tgt Ion:172 Resp: 662622
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.1 42.1
 170 23.2 19.3 28.9





#50

Dimethylphthalate

Concen: 9.328 ng

RT: 13.66 min Scan# 1831

Delta R.T. -0.02 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Instrument :

BNA_P

ClientSampleId :

SP-1ARX

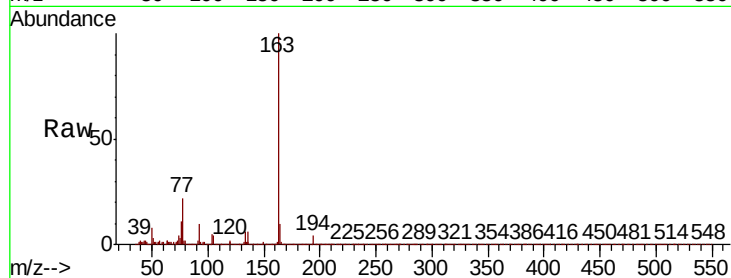
Tot Ion:163 Resp: 125198

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

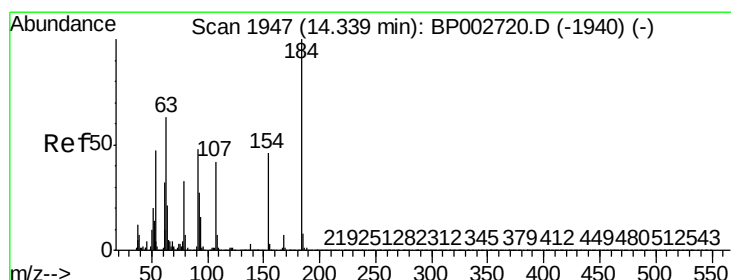
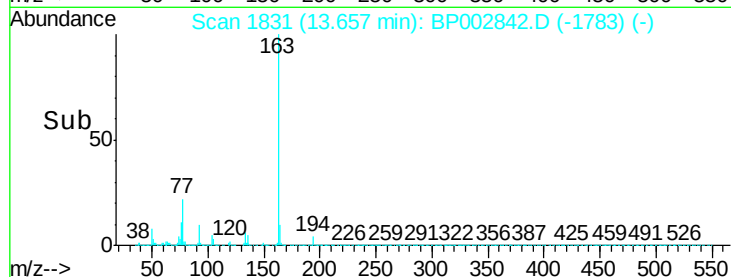
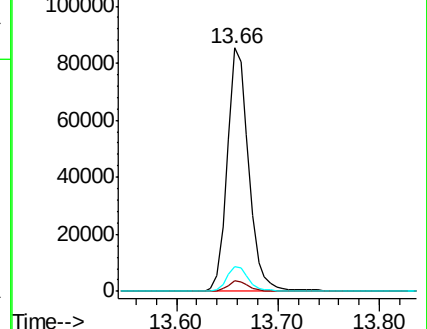
164 10.3 7.8 11.8



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: 11.379 ng

RT: 14.33 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

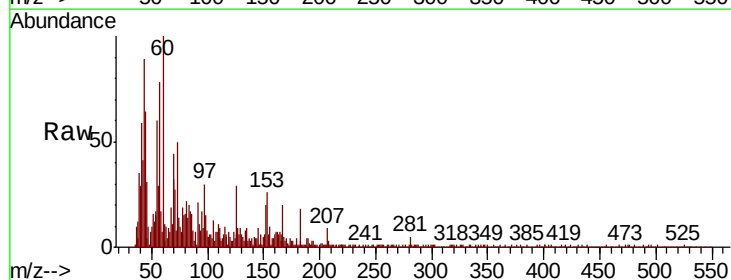
Tgt Ion:184 Resp: 10

Ion Ratio Lower Upper

184 100

63 692.9 51.6 77.4#

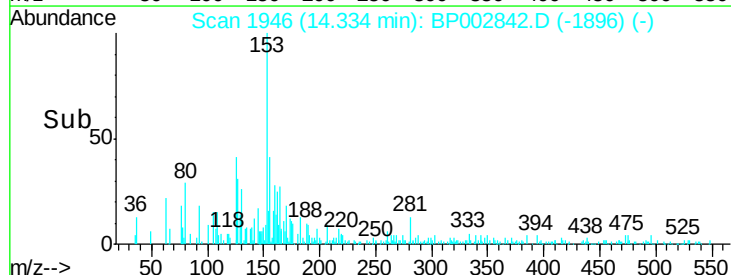
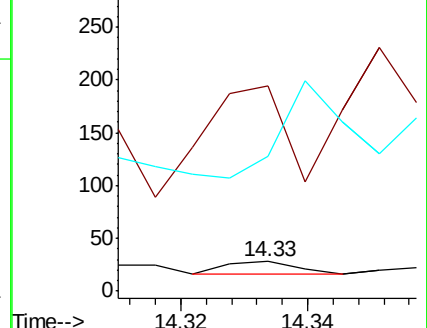
154 457.1 45.0 67.6#

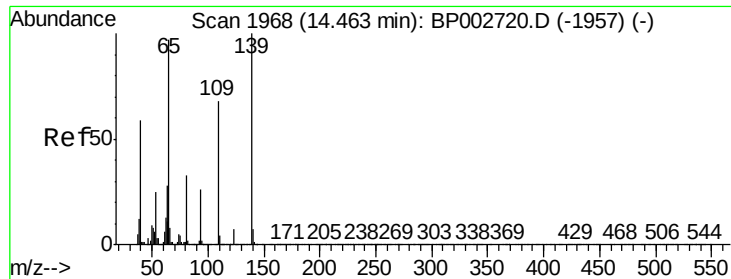


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

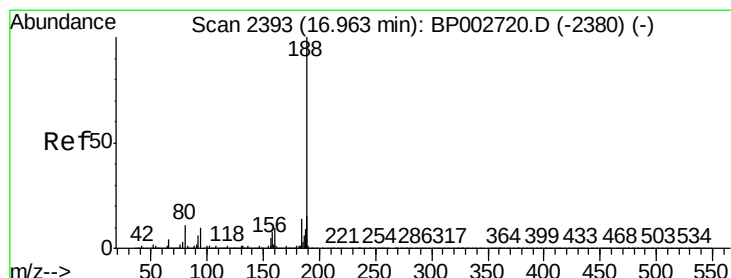
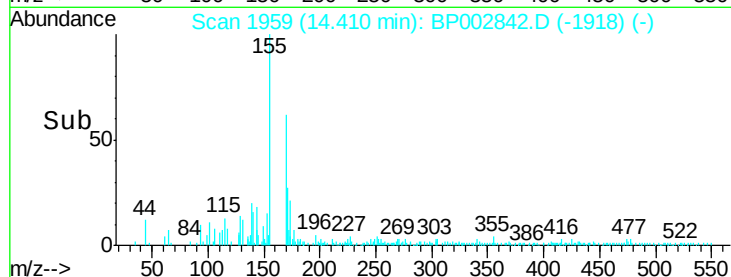
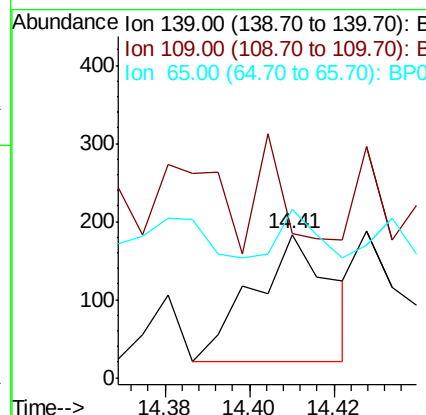
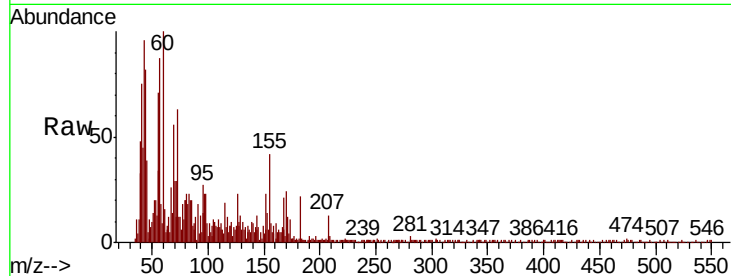




#56
4-Nitrophenol
Concen: 5.048 ng
RT: 14.41 min Scan# 1959
Delta R.T. -0.06 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

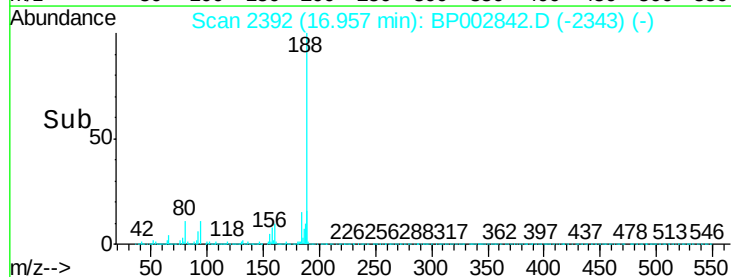
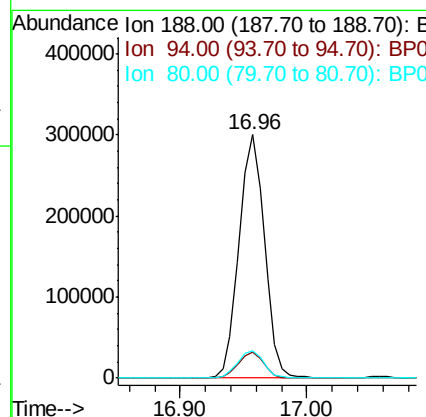
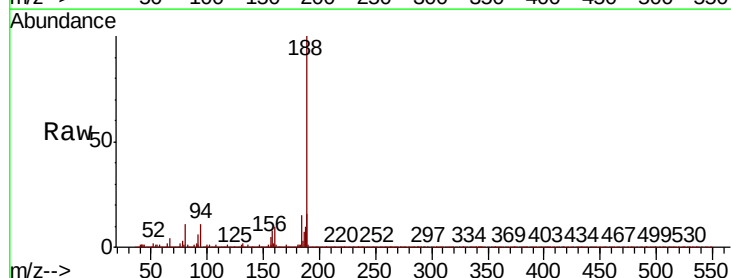
Instrument :
BNA_P
ClientSampled :
SP-1ARX

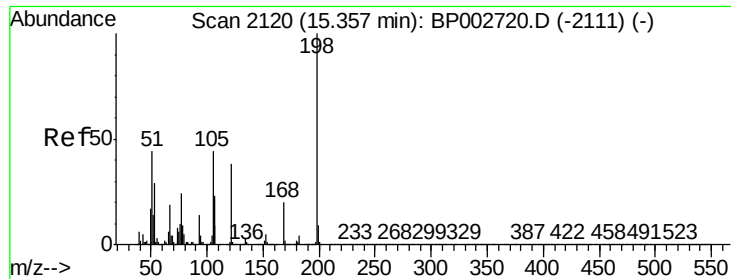
Tot Ion:139 Resp: 208
Ion Ratio Lower Upper
139 100
109 101.1 48.1 88.1#
65 118.0 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion:188 Resp: 416574
Ion Ratio Lower Upper
188 100
94 10.6 8.1 12.1
80 11.4 8.9 13.3

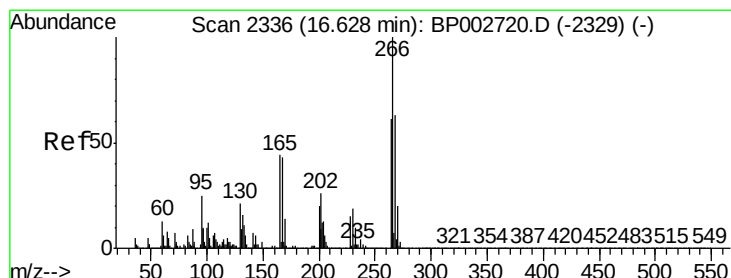
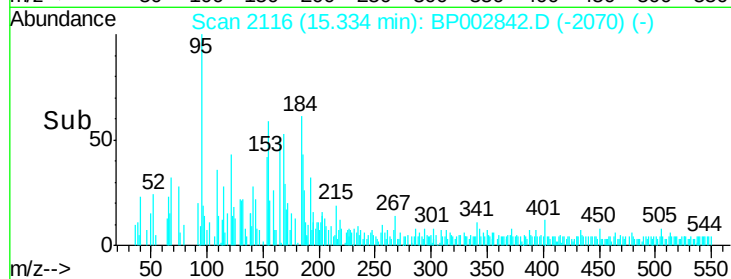
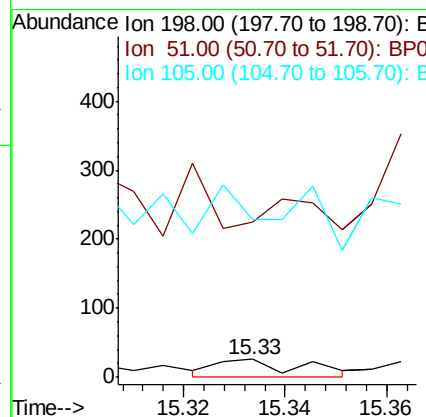
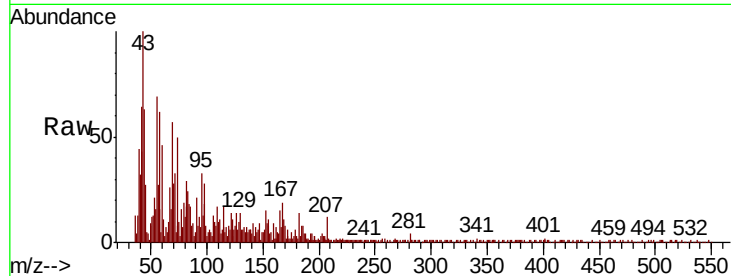




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.276 ng
 RT: 15.33 min Scan# 2116
 Delta R.T. -0.03 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

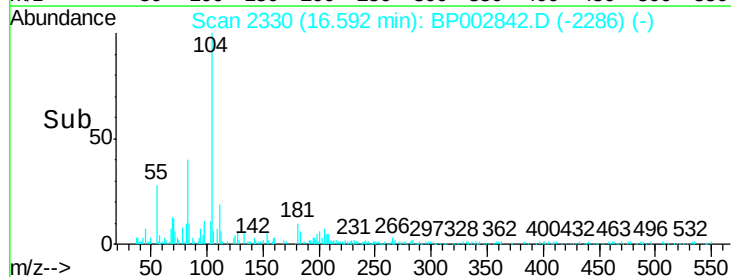
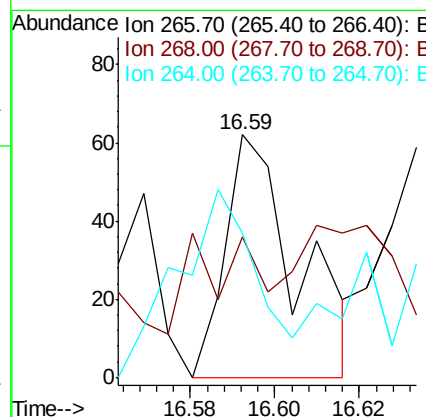
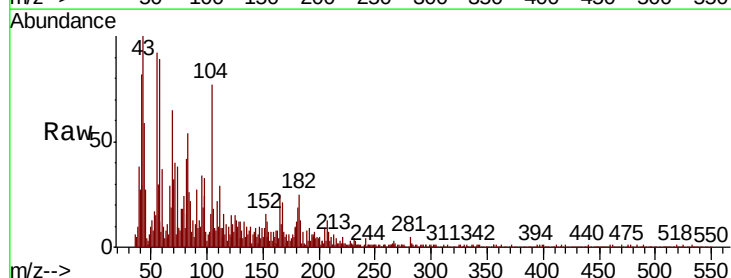
Instrument :
 BNA_P
 ClientSampled :
 SP-1ARX

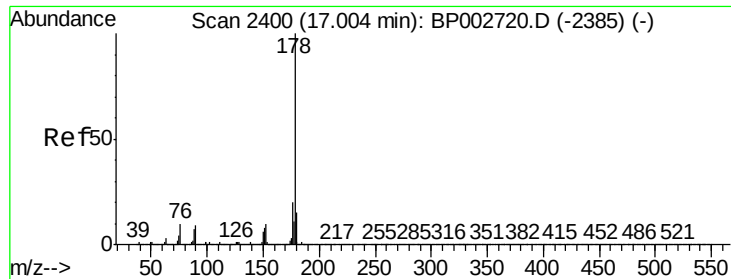
Tot Ion	Ratio	Lower	Upper
198	100		
51	861.5	27.1	67.1#
105	880.8	24.9	64.9#



#70
 Pentachlorophenol
 Concen: 7.470 ng
 RT: 16.59 min Scan# 2330
 Delta R.T. -0.04 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
266	100		
268	58.1	50.6	75.8
264	59.7	48.6	72.8

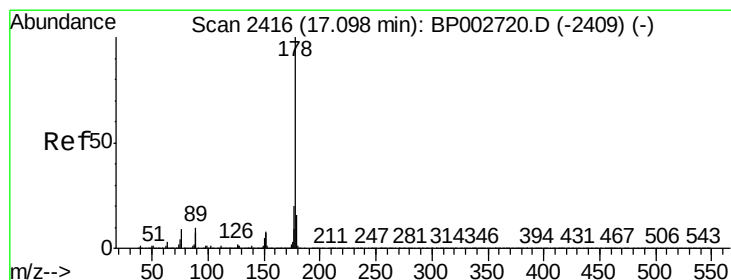
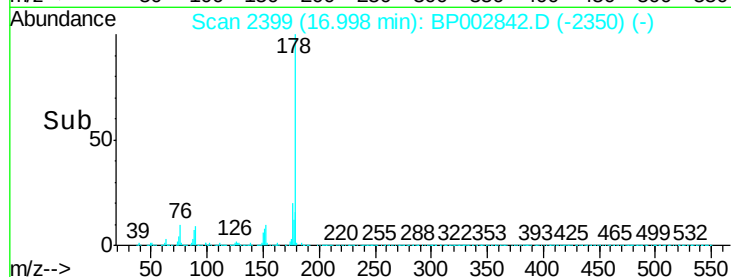
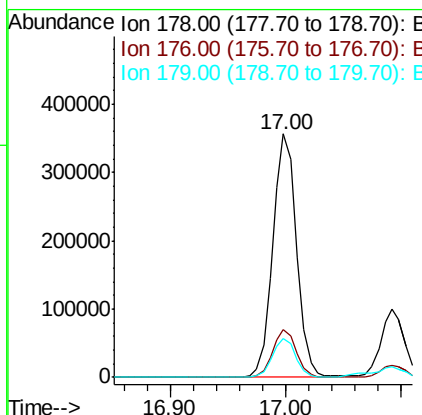
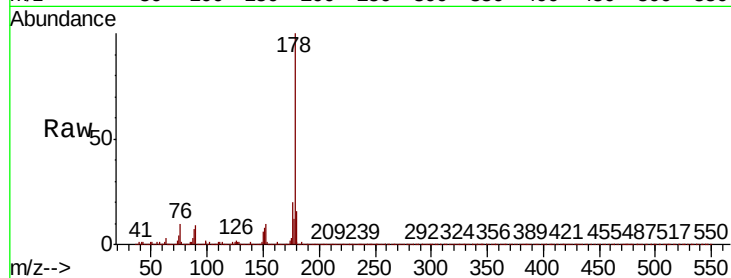




#71
Phenanthrene
Concen: 22.551 ng
RT: 17.00 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

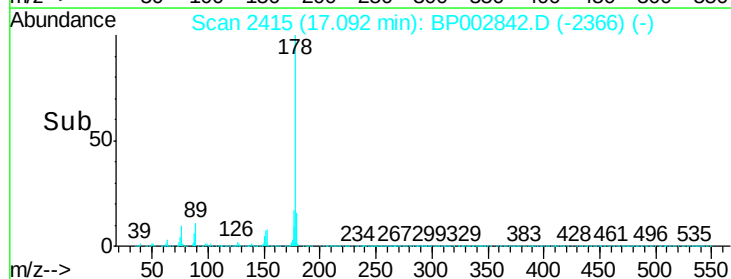
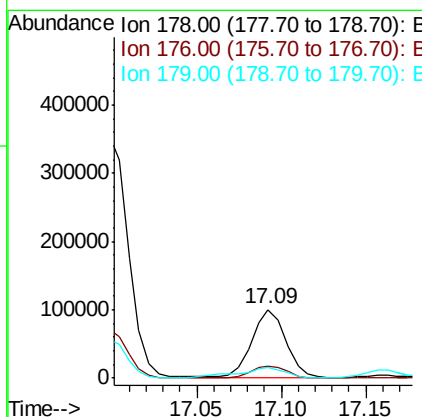
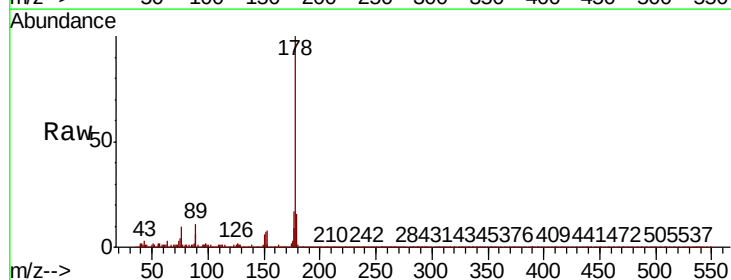
Instrument :
BNA_P
ClientSampleId :
SP-1ARX

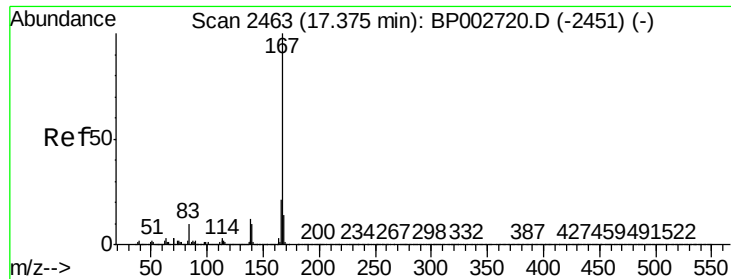
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	16.1	12.3	18.5



#72
Anthracene
Concen: 6.286 ng
RT: 17.09 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.6	23.4
179	15.6	12.6	19.0

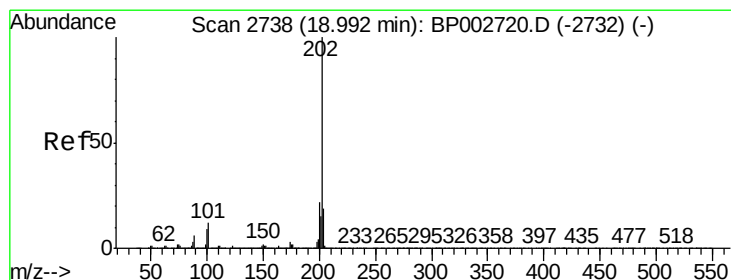
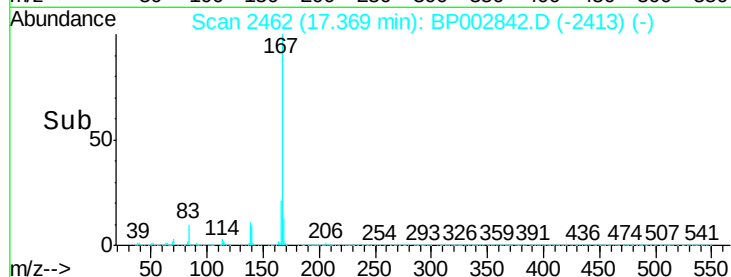
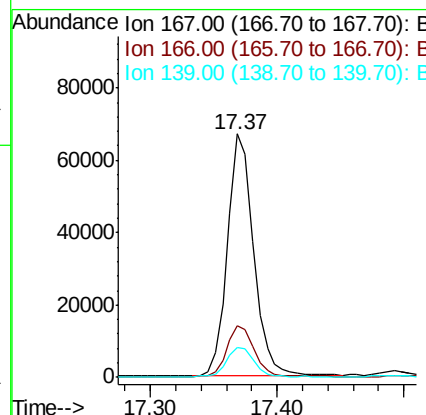
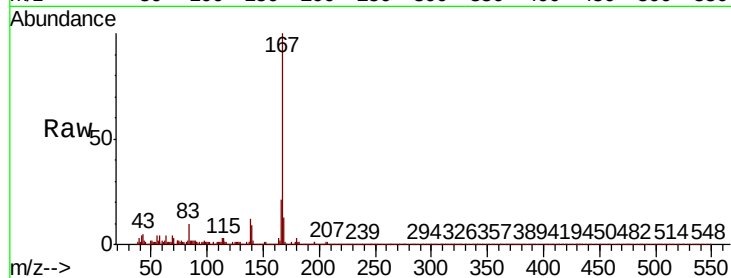




#73
 Carbazole
 Concen: 4.430 ng
 RT: 17.37 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

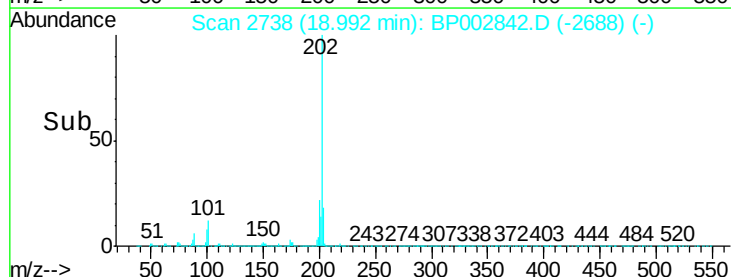
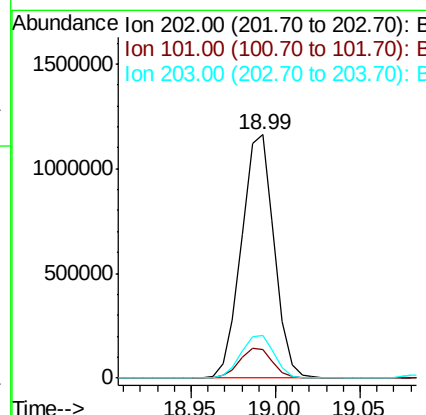
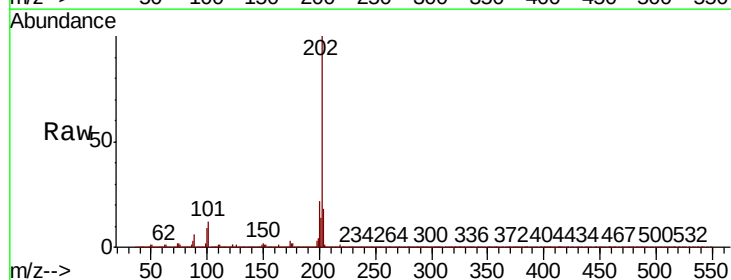
Instrument :
 BNA_P
 ClientSampleId :
 SP-1ARX

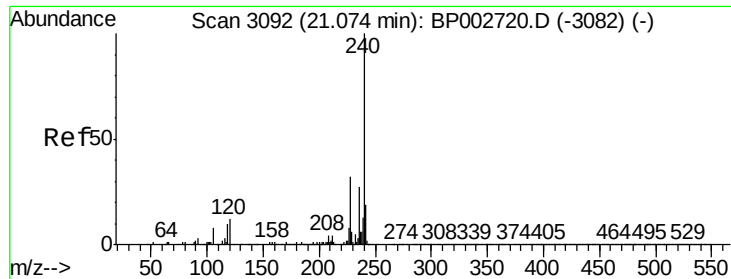
Tot Ion:167 Resp: 96224
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.1 25.7
 139 12.2 9.6 14.4



#75
 Fluoranthene
 Concen: 59.894 ng
 RT: 18.99 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Tgt Ion:202 Resp: 1565316
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 32.5
 203 17.7 0.0 38.6

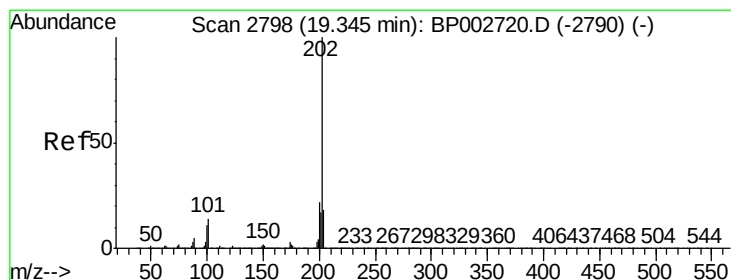
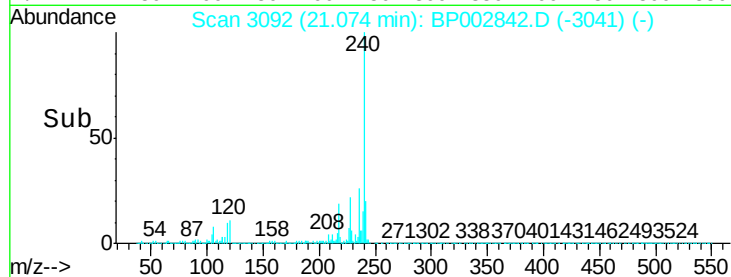
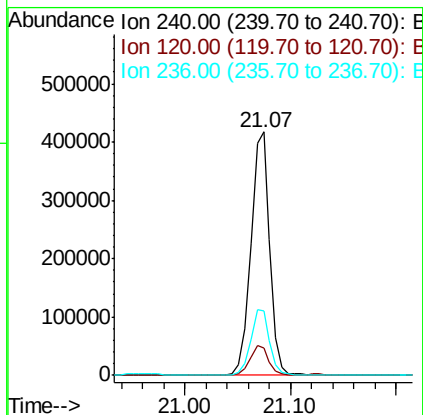
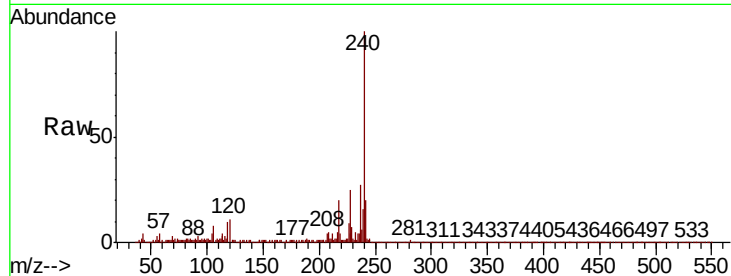




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

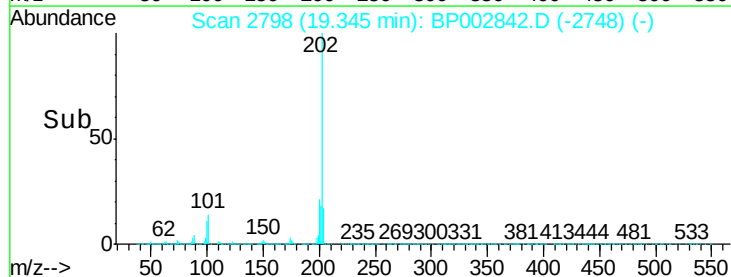
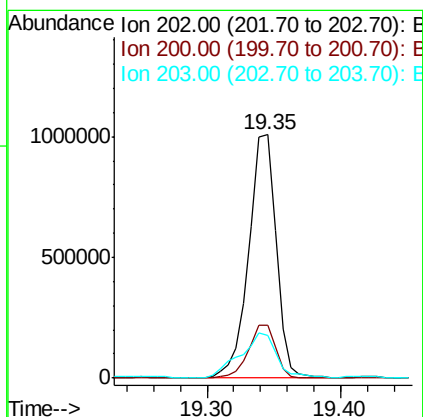
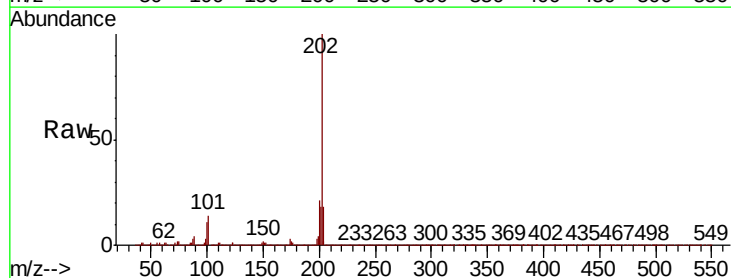
Instrument :
BNA_P
ClientSampled :
SP-1ARX

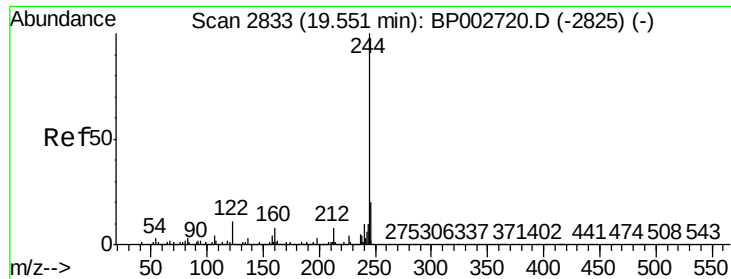
Tot Ion:240 Resp: 516122
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 26.7 21.3 31.9



#78
Pyrene
Concen: 40.079 ng
RT: 19.35 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion:202 Resp: 1428225
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 17.6 14.5 21.7





#79

Terphenyl-d14

Concen: 48.350 ng

RT: 19.55 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Instrument :

BNA_P

ClientSampled :

SP-1ARX

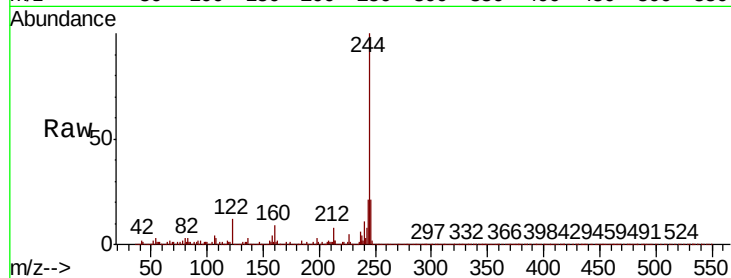
Tot Ion:244 Resp: 1088413

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

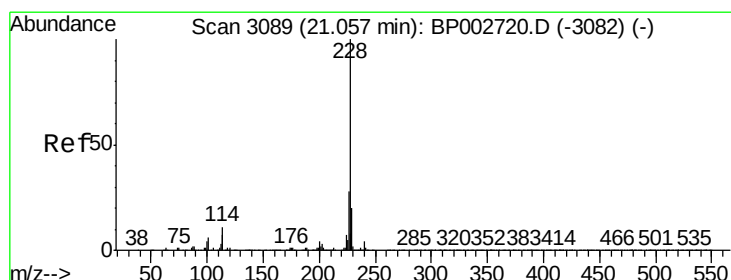
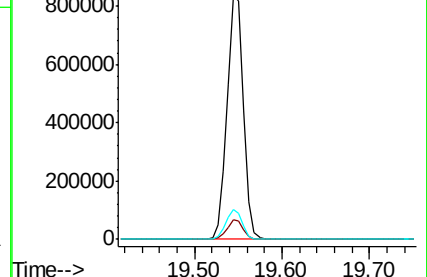
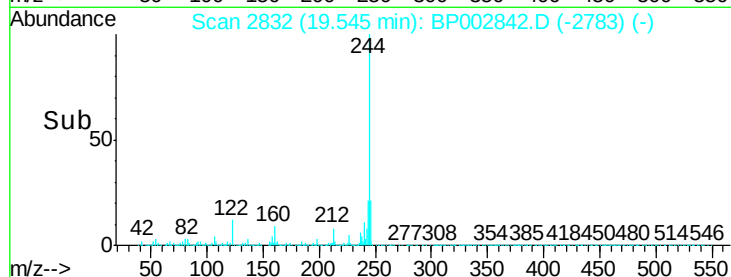
122 12.1 8.9 13.3



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: 28.642 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

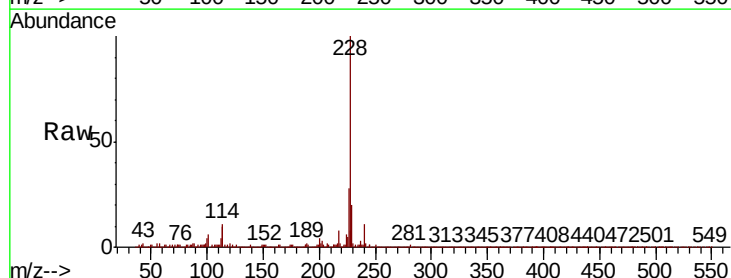
Tgt Ion:228 Resp: 956929

Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

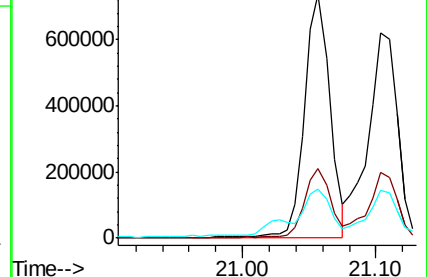
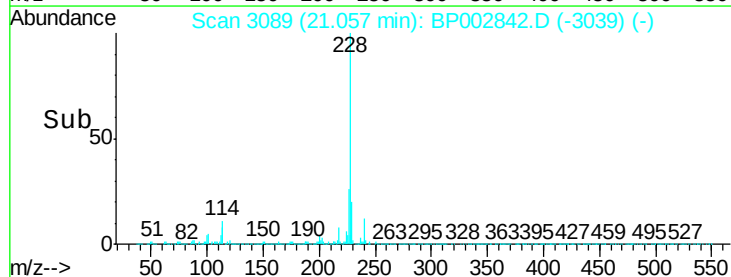
229 19.9 16.0 24.0

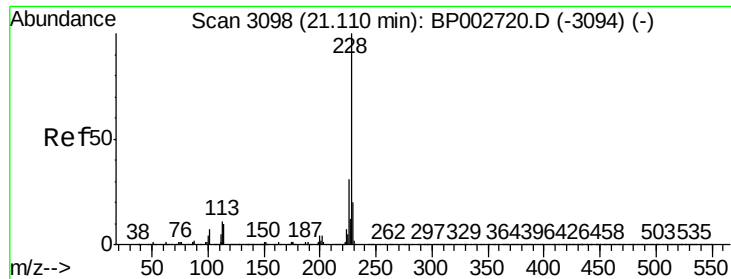


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 28.132 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Instrument :

BNA_P

ClientSampleId :

SP-1ARX

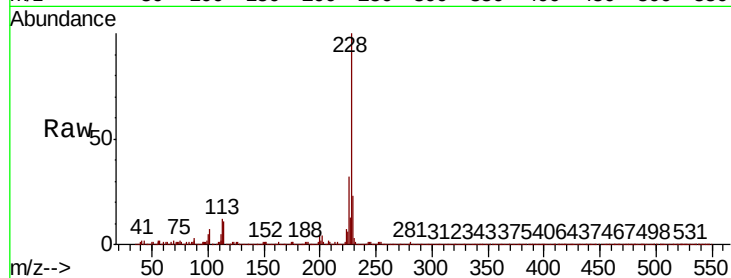
Tot Ion:228 Resp: 894666

Ion Ratio Lower Upper

228 100

226 31.7 24.6 37.0

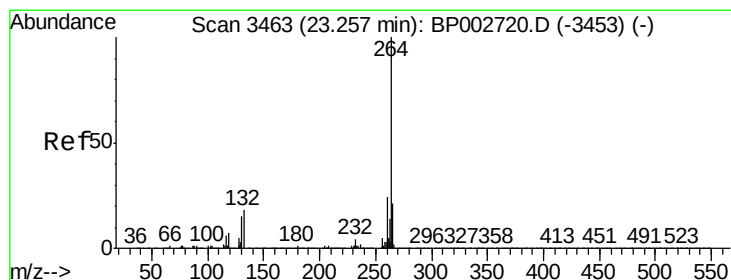
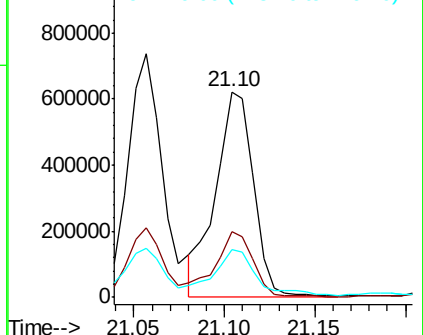
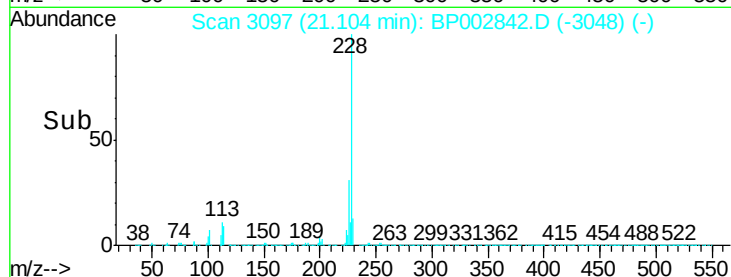
229 23.3 15.7 23.5



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: 23.26 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

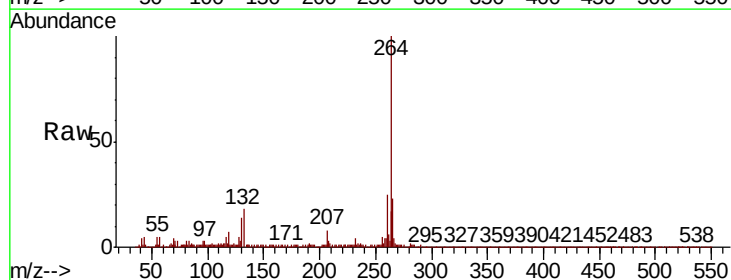
Tgt Ion:264 Resp: 594666

Ion Ratio Lower Upper

264 100

260 25.3 19.3 28.9

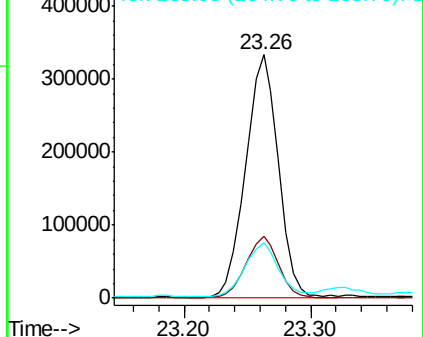
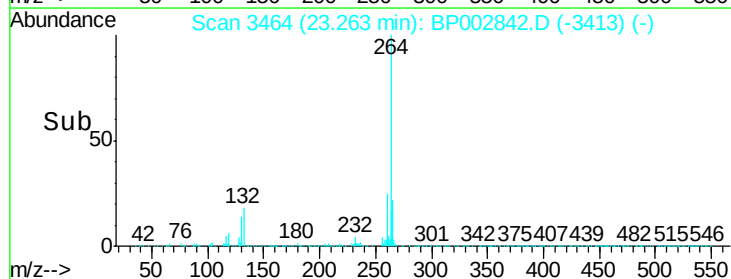
265 23.0 16.8 25.2

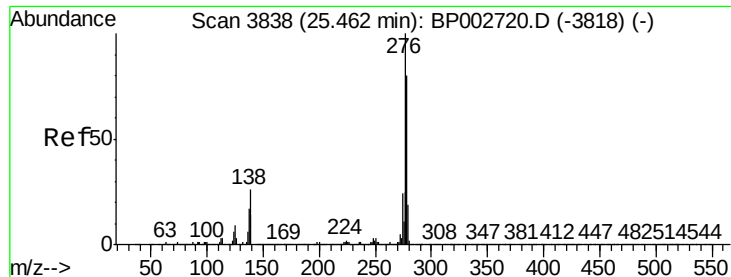


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

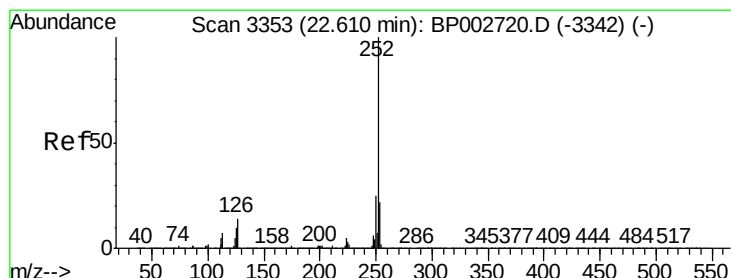
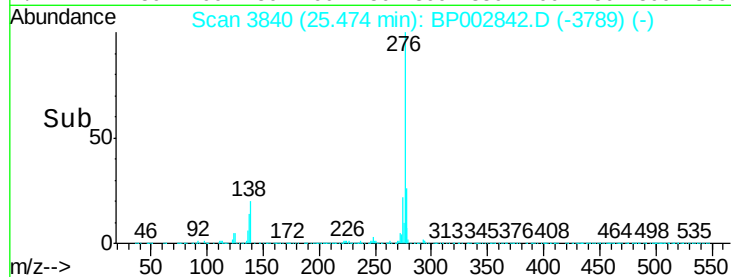
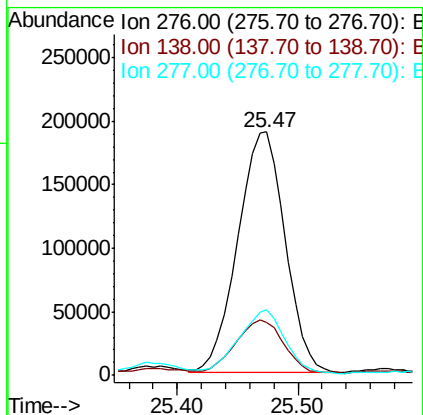
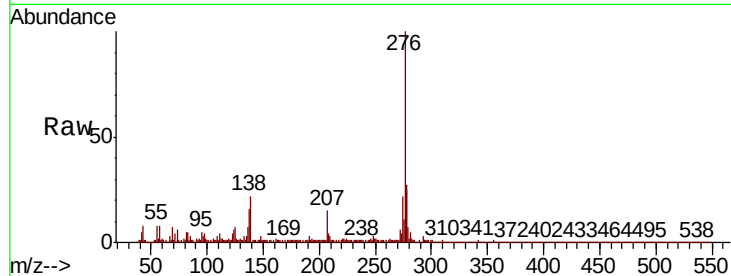




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.946 ng
 RT: 25.47 min Scan# 3840
 Delta R.T. 0.00 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

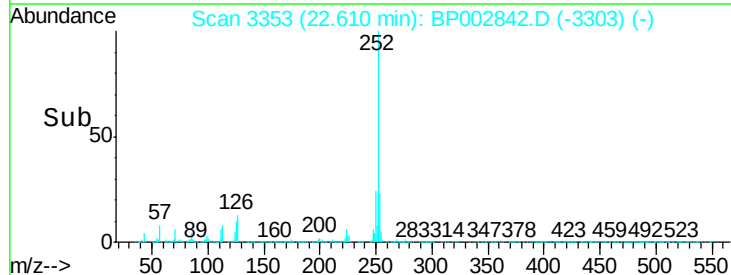
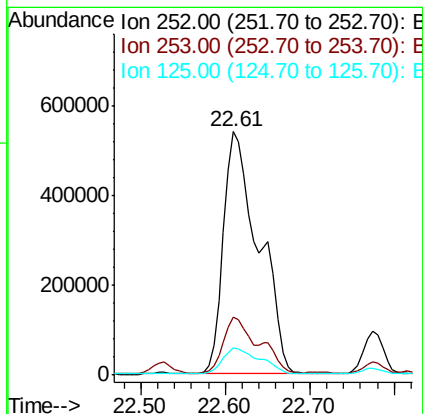
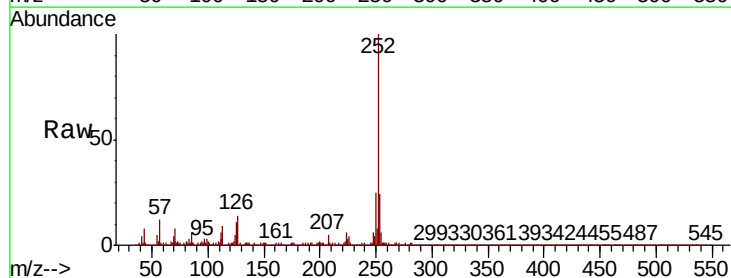
Instrument :
 BNA_P
 ClientSampleId :
 SP-1ARX

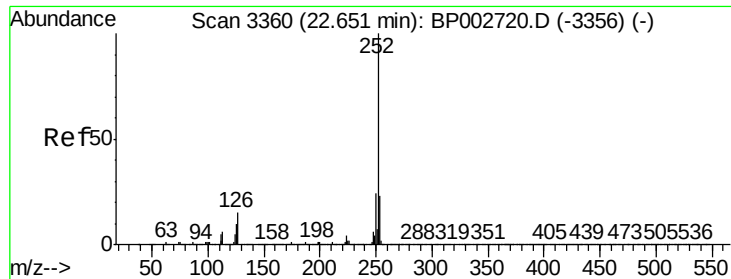
Tot Ion:276 Resp: 513438
 Ion Ratio Lower Upper
 276 100
 138 22.7 20.8 31.2
 277 25.6 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 42.615 ng
 RT: 22.61 min Scan# 3353
 Delta R.T. -0.01 min
 Lab File: BP002842.D
 Acq: 23 Jul 2020 16:11

Tgt Ion:252 Resp: 1573571
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.7 26.5
 125 11.1 8.2 12.2

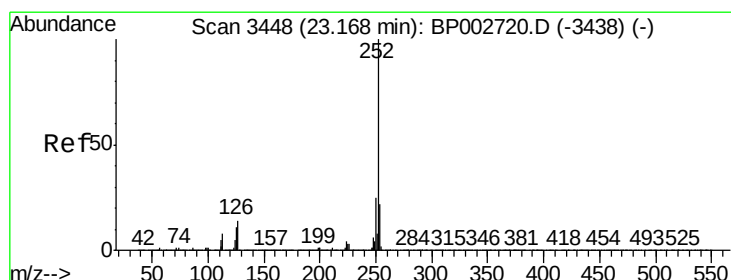
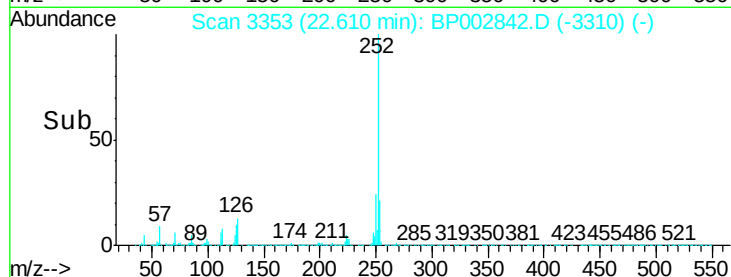
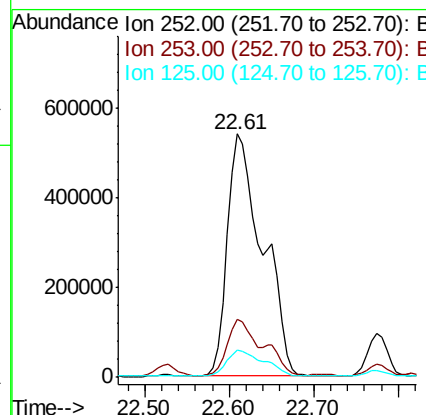
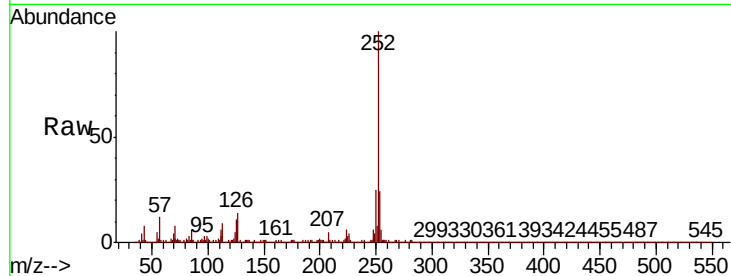




#89
Benzo(k)fluoranthene
Concen: 43.264 ng
RT: 22.61 min Scan# 3353
Delta R.T. -0.05 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

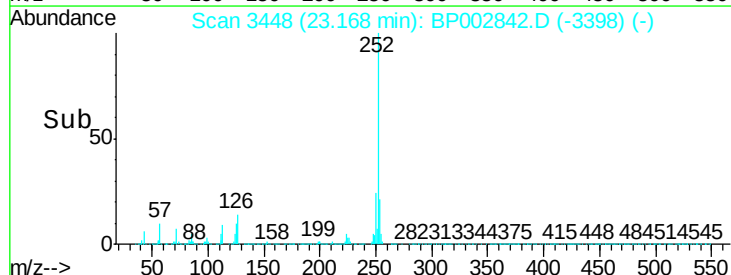
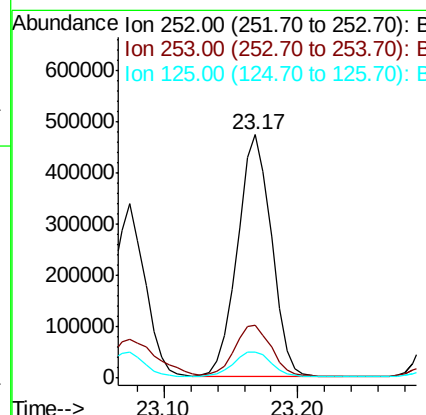
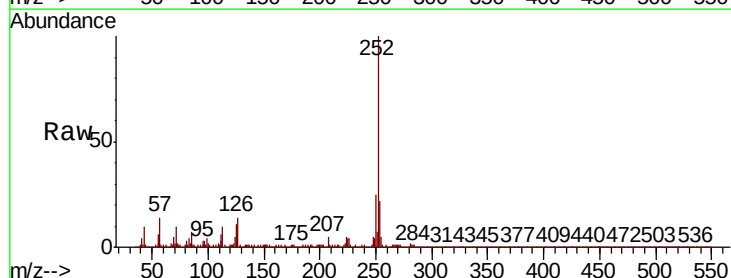
Instrument :
BNA_P
ClientSampleId :
SP-1ARX

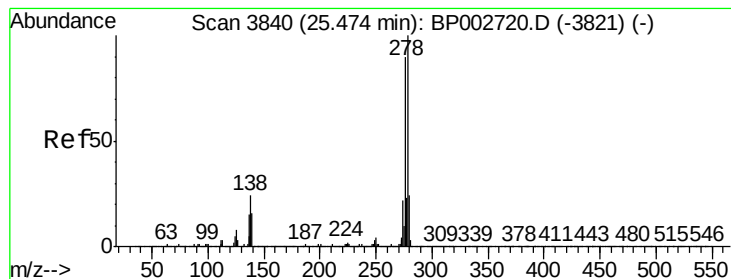
Tot Ion:252 Resp: 1573571
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 11.1 8.3 12.5



#90
Benzo(a)pyrene
Concen: 23.876 ng
RT: 23.17 min Scan# 3448
Delta R.T. -0.01 min
Lab File: BP002842.D
Acq: 23 Jul 2020 16:11

Tgt Ion:252 Resp: 835443
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 10.8 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 4.095 ng

RT: 25.47 min Scan# 3840

Delta R.T. -0.01 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

Instrument :

BNA_P

ClientSampleId :

SP-1ARX

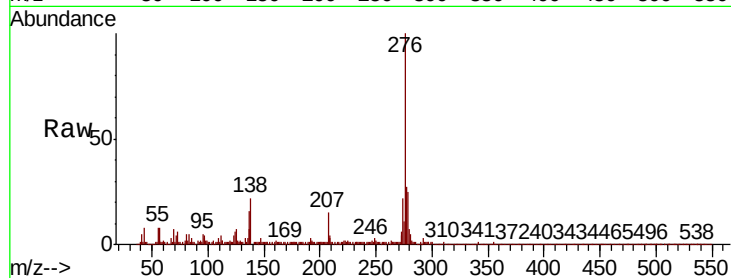
Tot Ion:278 Resp: 141935

Ion Ratio Lower Upper

278 100

139 0.0 13.1 19.7#

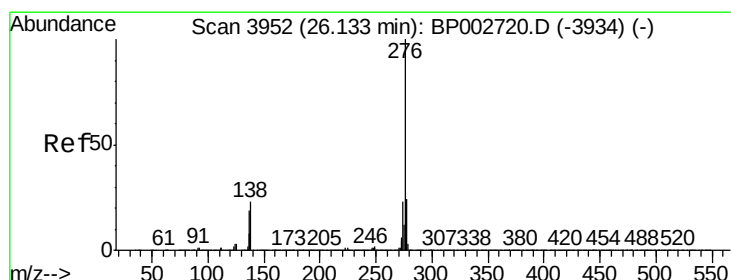
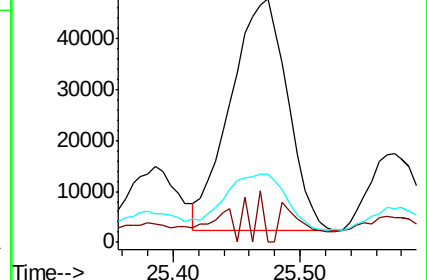
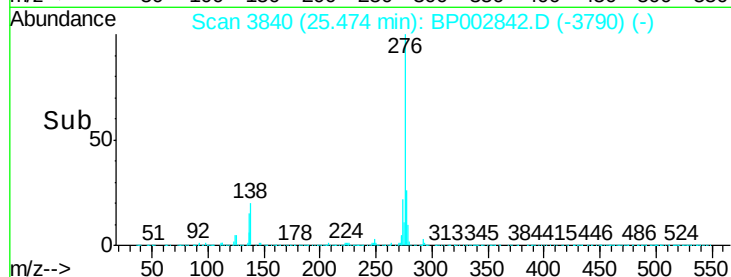
279 27.9 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 14.361 ng

RT: 26.14 min Scan# 3954

Delta R.T. 0.00 min

Lab File: BP002842.D

Acq: 23 Jul 2020 16:11

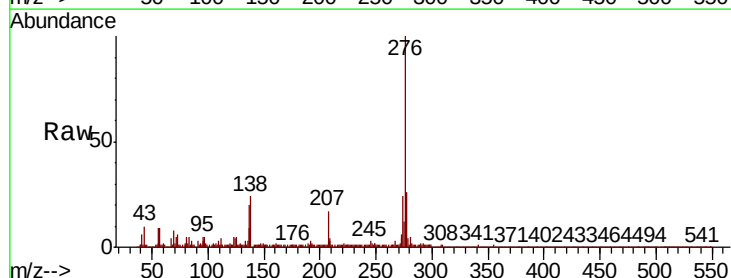
Tgt Ion:276 Resp: 504687

Ion Ratio Lower Upper

276 100

277 25.6 19.1 28.7

138 24.1 18.3 27.5



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

