

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
 Data File : BP002765.D
 Acq On : 15 Jul 2020 21:19
 Operator : CG/JU
 Sample : L3188-07 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-071420

Quant Time: Jul 16 00:43:40 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	7.56	152	168526	20.00	ng	0.01
21) Naphthalene-d8	10.33	136	679321	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	399693	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	807374	20.00	ng	0.00
76) Chrysene-d12	21.08	240	641589	20.00	ng	0.00
86) Perylene-d12	23.27	264	612673	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	75791	7.59	ng	0.01
7) Phenol-d6	6.77	99	98538	6.91	ng	0.01
23) Nitrobenzene-d5	8.72	82	50333	3.96	ng	0.01
42) 2,4,6-Tribromophenol	15.72	330	27495	6.59	ng	0.01
45) 2-Fluorobiphenyl	12.83	172	138810	5.37	ng	0.00
79) Terphenyl-d14	19.56	244	160898	5.75	ng	0.00

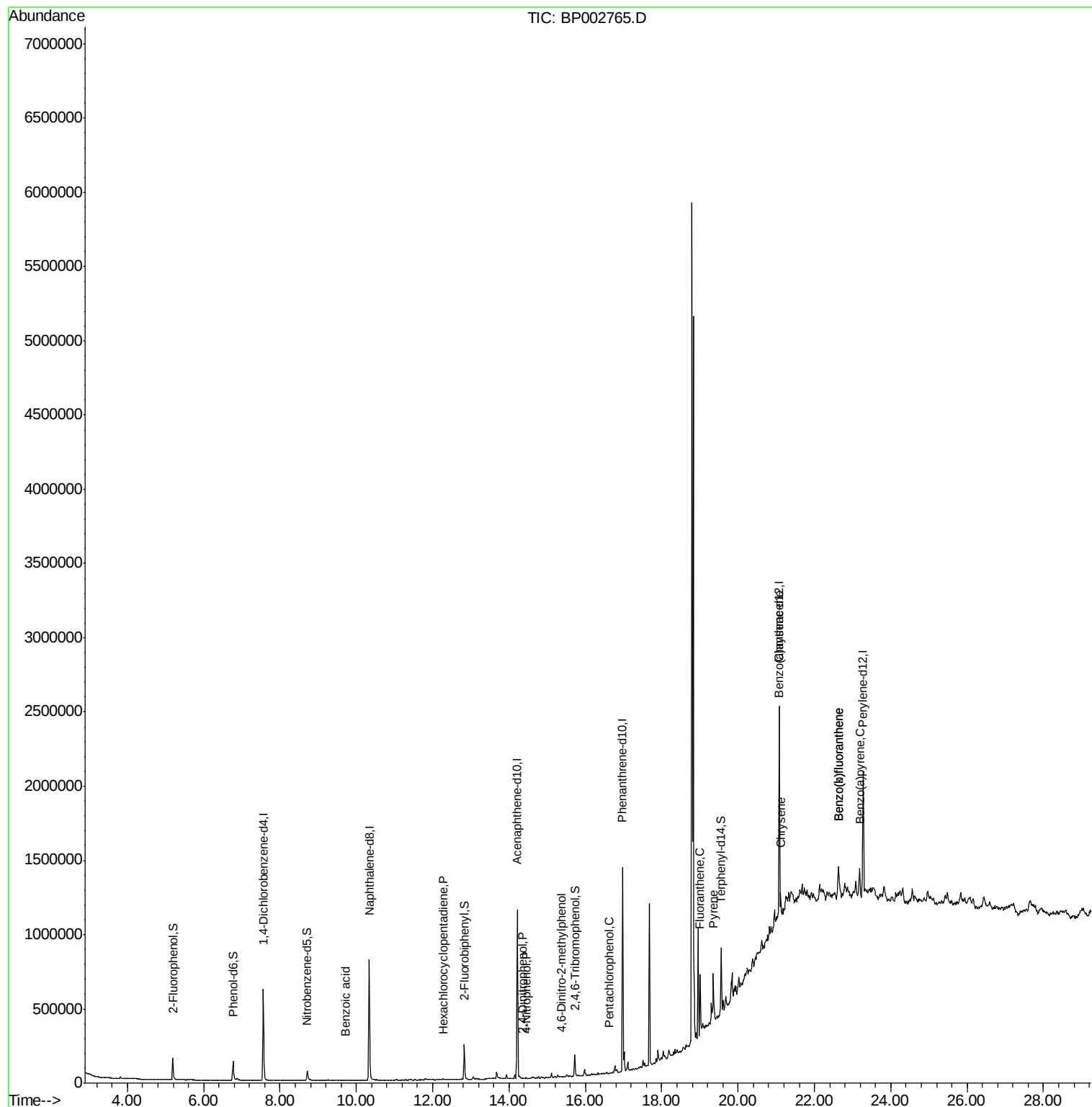
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.72	122	56	7.068	ng	# 1
41) Hexachlorocyclopentadiene	12.26	237	35	7.440	ng	# 84
54) 2,4-Dinitrophenol	14.34	184	5	11.375	ng	# 1
56) 4-Nitrophenol	14.44	139	86	4.986	ng	# 37
65) 4,6-Dinitro-2-methylphenol	15.37	198	16	5.269	ng	# 1
70) Pentachlorophenol	16.63	266	71	7.456	ng	# 79
75) Fluoranthene	19.00	202	219509	4.334	ng	# 99
78) Pyrene	19.35	202	194531	4.391	ng	# 98
81) Benzo(a)anthracene	21.07	228	105938	2.551	ng	# 90
83) Chrysene	21.12	228	93729	2.371	ng	# 93
88) Benzo(b)fluoranthene	22.62	252	169968	4.468	ng	# 81
89) Benzo(k)fluoranthene	22.62	252	169968	4.536	ng	# 81
90) Benzo(a)pyrene	23.18	252	92289	2.560	ng	# 84

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

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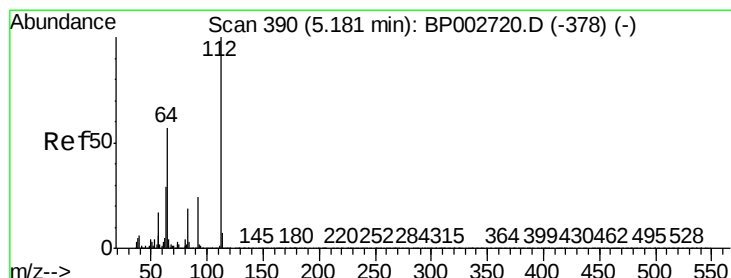
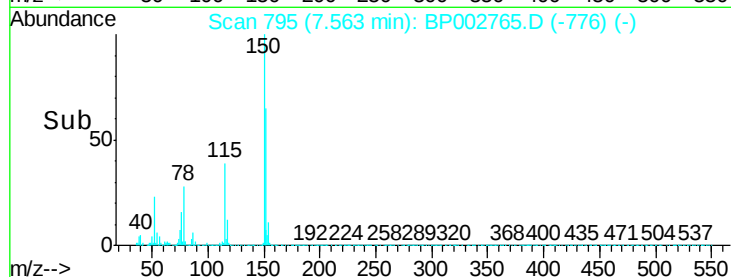
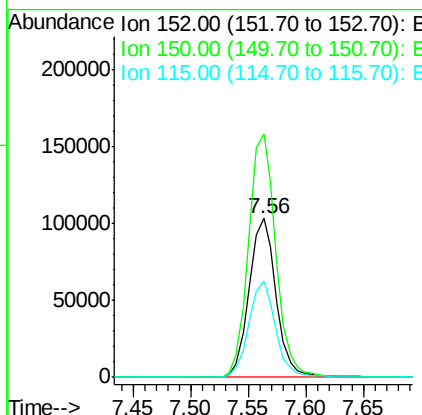
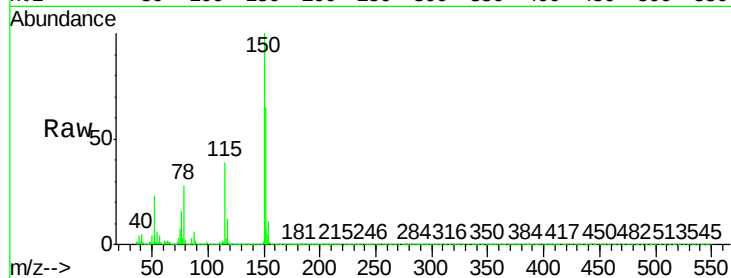


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 795
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Instrument :
BNA_P
ClientSampleId :
TR-05-071420

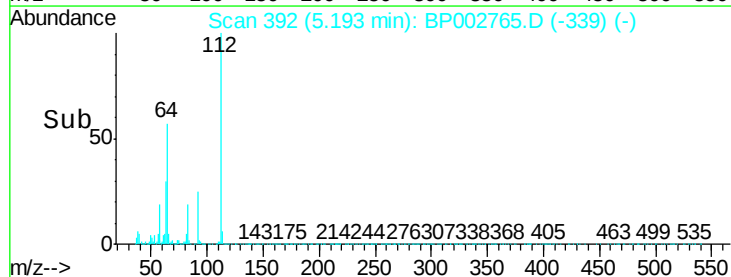
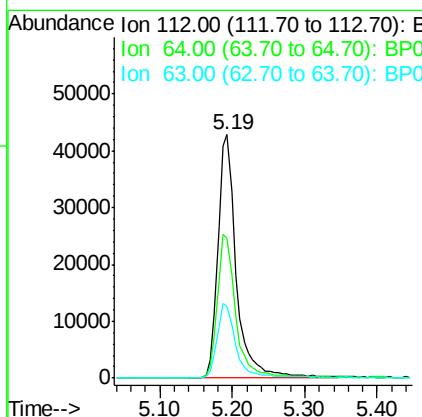
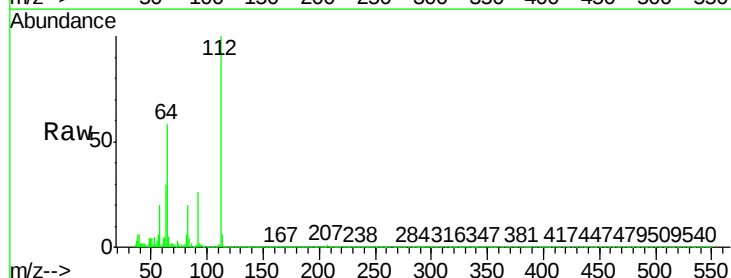
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.7	185.5
115	60.4	47.2	70.8

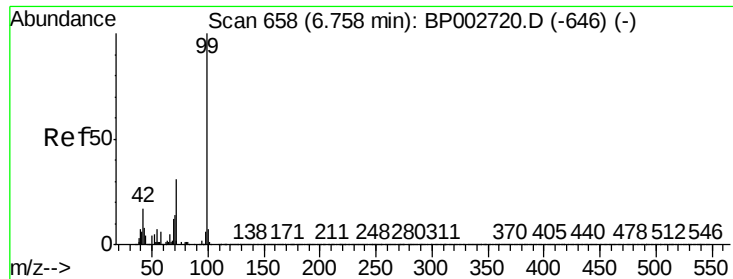


#5

2-Fluorophenol
Concen: 7.588 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.6	68.4
63	29.7	23.5	35.3





#7

Phenol-d6

Concen: 6.912 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

ClientSampleId :

TR-05-071420

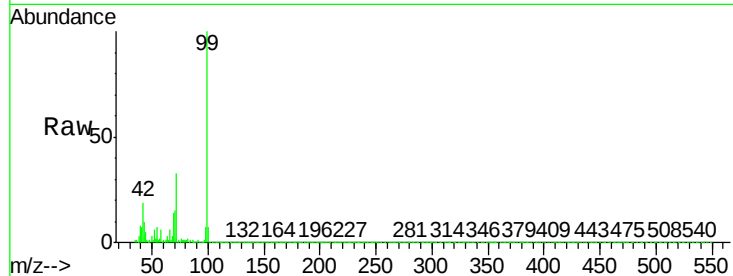
Tot Ion: 99 Resp: 98538

Ion Ratio Lower Upper

99 100

42 18.5 13.4 20.2

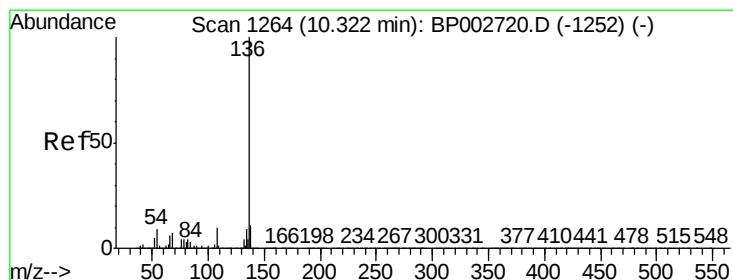
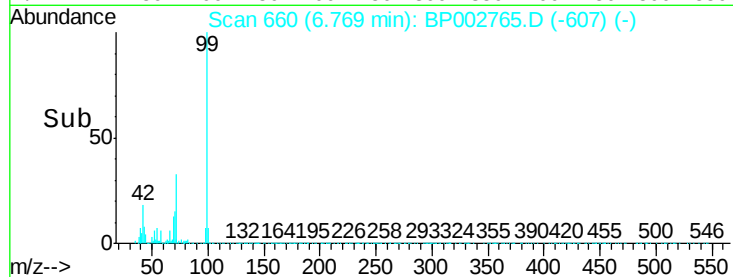
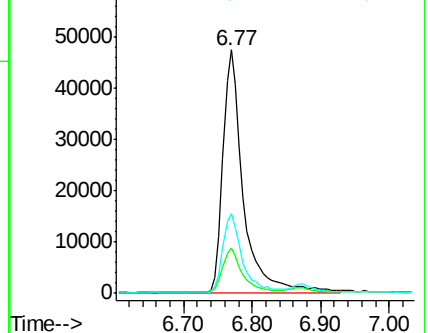
71 33.0 24.6 36.8



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: 10.33 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Tgt Ion: 136 Resp: 679321

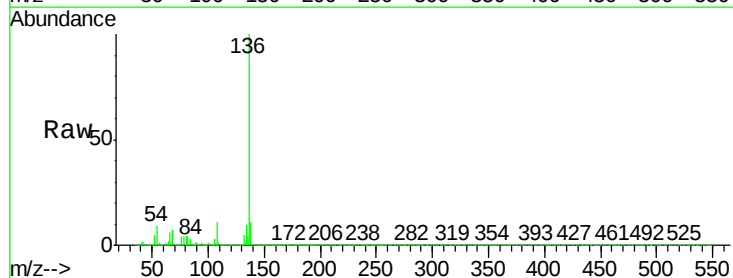
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 9.3 6.9 10.3

68 7.5 5.7 8.5

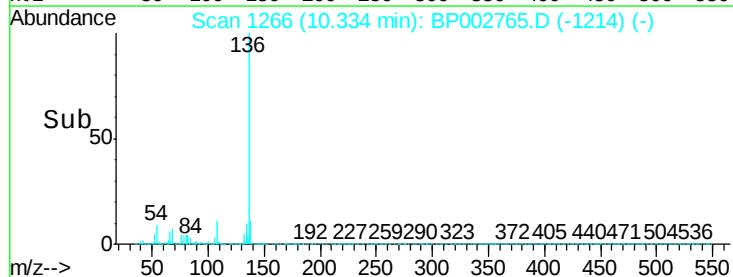
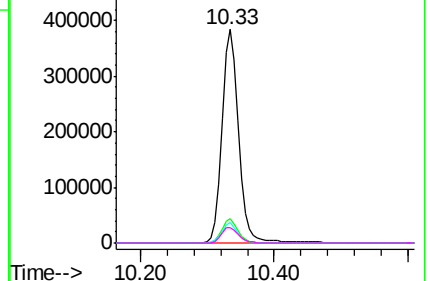


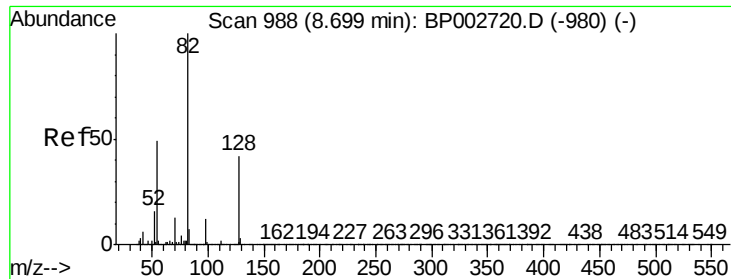
Abundance Ion 136.00 (135.70 to 136.70): E

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

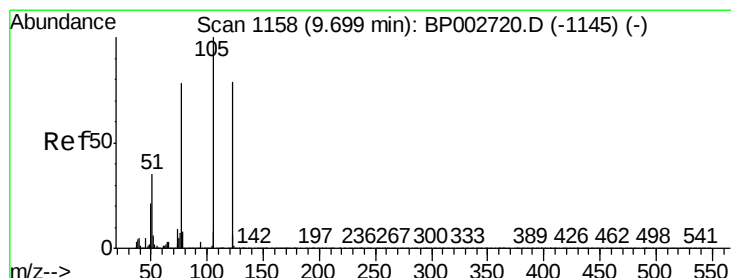
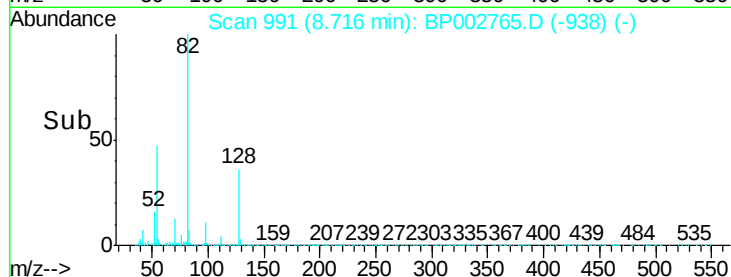
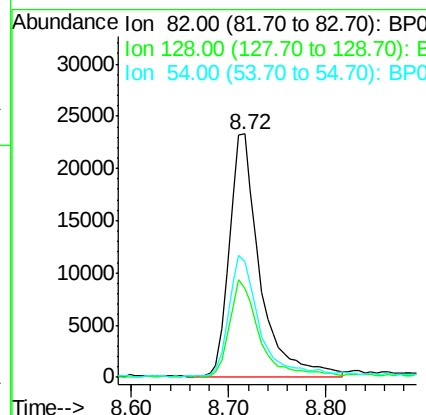
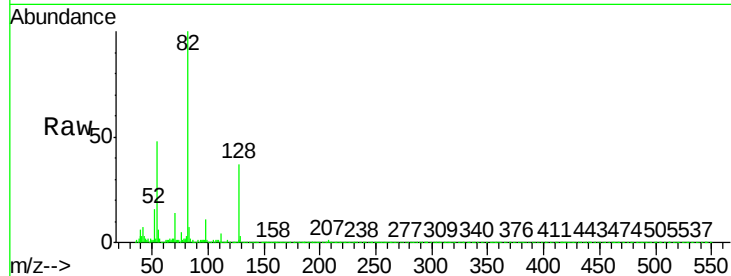




#23
Nitrobenzene-d5
Concen: 3.963 ng
RT: 8.72 min Scan# 991
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

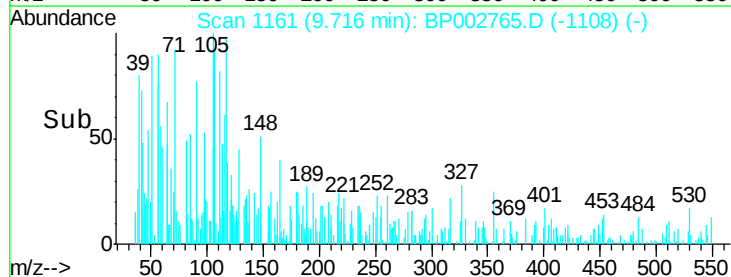
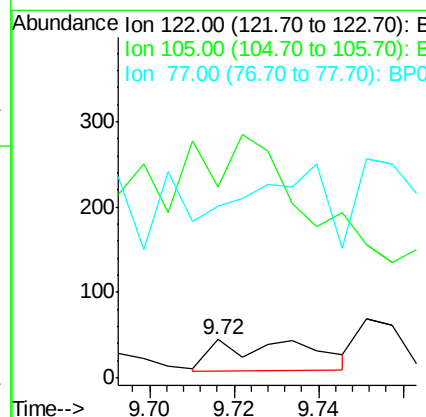
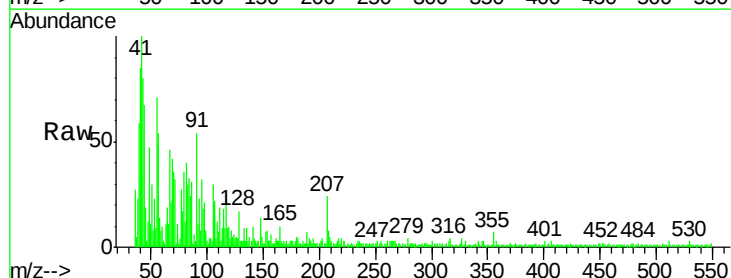
Instrument :
BNA_P
ClientSampleId :
TR-05-071420

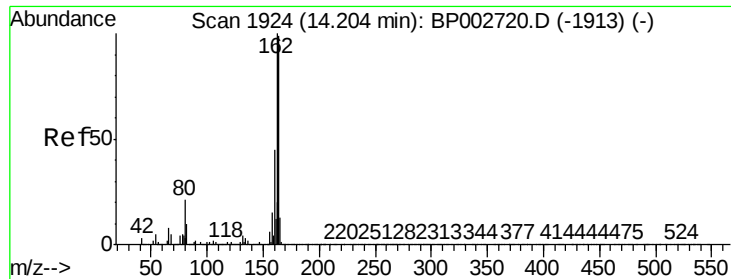
Tot Ion	82	Resp	50333
Ion Ratio	Lower	Upper	
82	100		
128	36.7	33.8	50.8
54	47.7	38.8	58.2



#32
Benzoic acid
Concen: 7.068 ng
RT: 9.72 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion	122	Resp	56
Ion Ratio	Lower	Upper	
122	100		
105	495.6	105.4	145.4#
77	446.7	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

ClientSampleId :

TR-05-071420

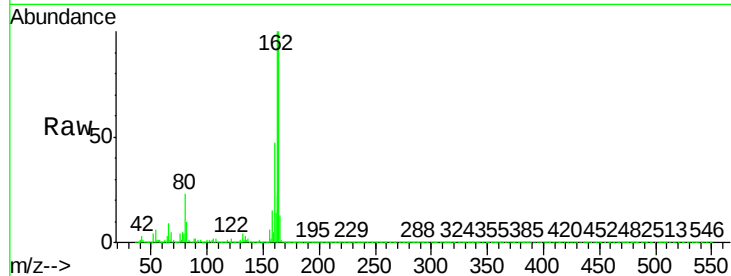
Tot Ion:164 Resp: 399693

Ion Ratio Lower Upper

164 100

162 99.9 80.6 121.0

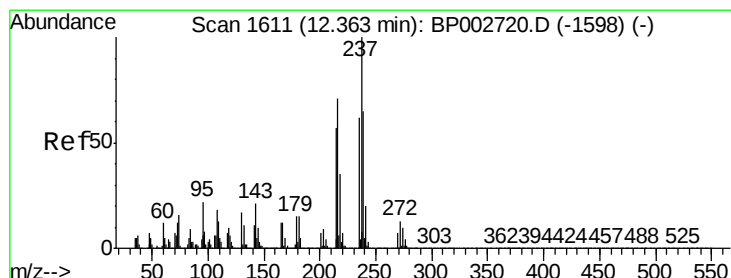
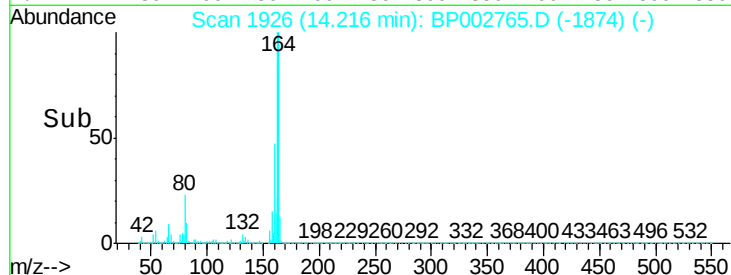
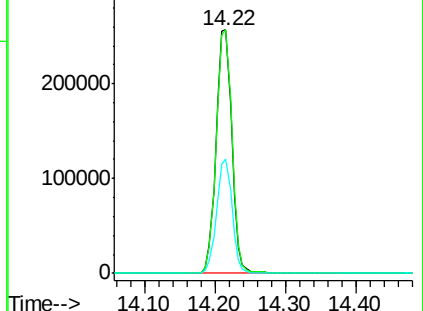
160 46.8 36.4 54.6



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: 7.440 ng

RT: 12.26 min Scan# 1594

Delta R.T. -0.10 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

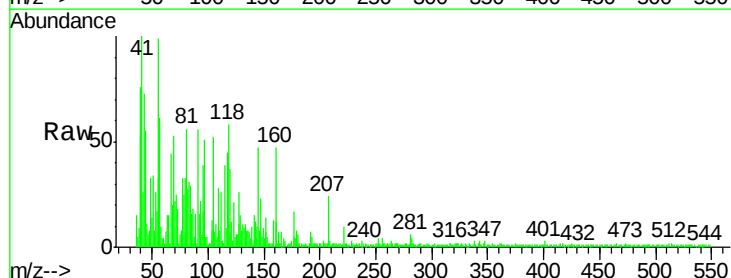
Tgt Ion:237 Resp: 35

Ion Ratio Lower Upper

237 100

235 72.4 42.3 82.3

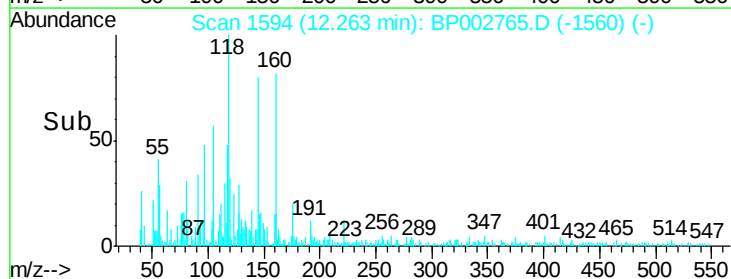
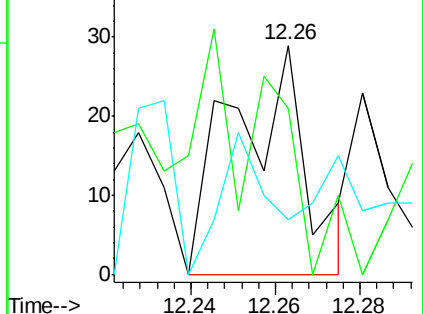
272 24.1 0.0 32.5

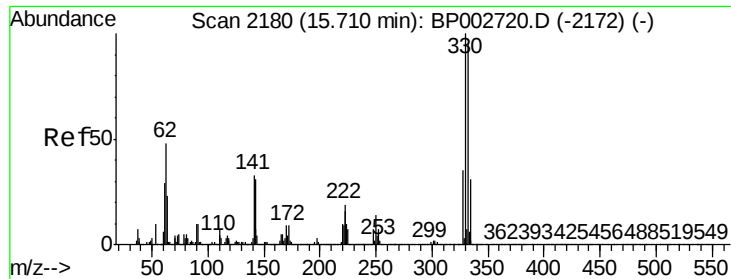


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

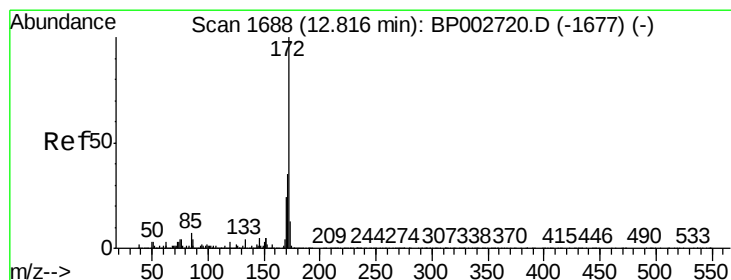
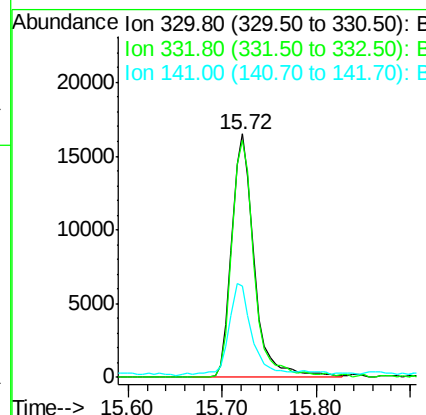
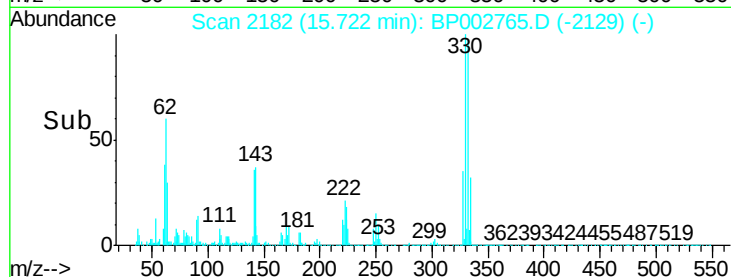
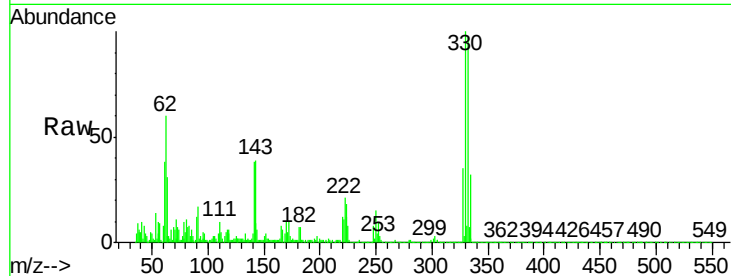




#42
 2,4,6-Tribromophenol
 Concen: 6.590 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. 0.01 min
 Lab File: BP002765.D
 Acq: 15 Jul 2020 21:19

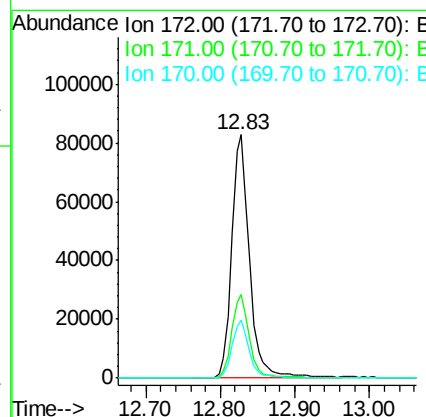
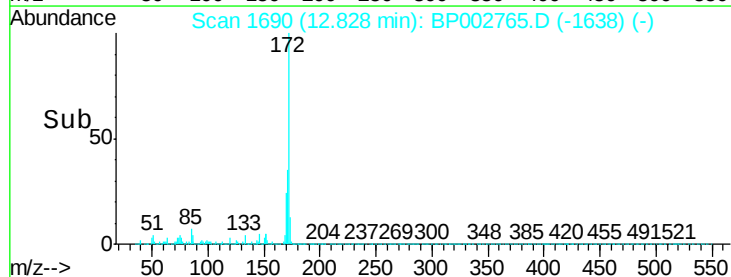
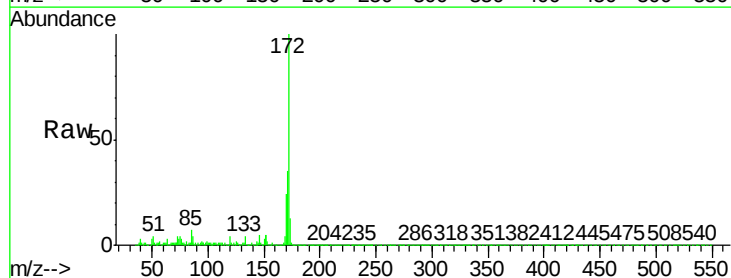
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 ClientSampleId :
 TR-05-071420

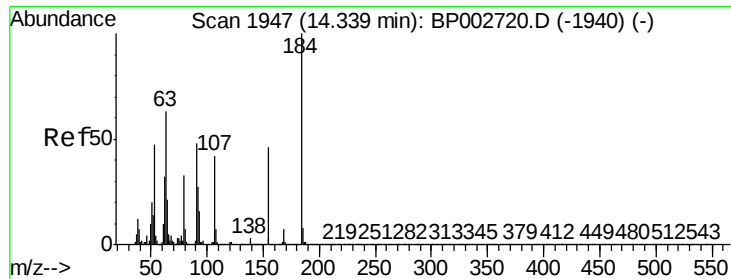
Tot Ion:330 Resp: 27495
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.5 114.7
 141 36.9 28.8 43.2



#45
 2-Fluorobiphenyl
 Concen: 5.373 ng
 RT: 12.83 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: BP002765.D
 Acq: 15 Jul 2020 21:19

Tgt Ion:172 Resp: 138810
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.1 42.1
 170 23.7 19.3 28.9

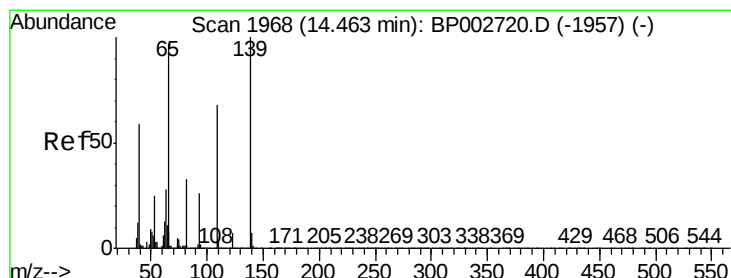
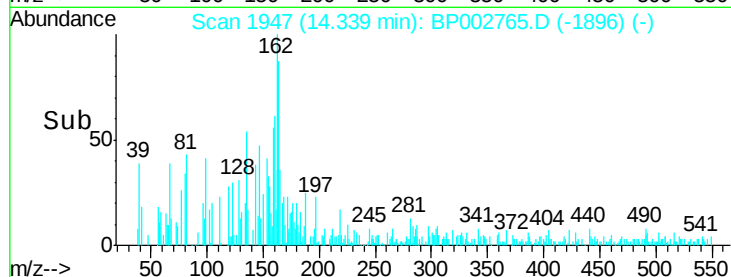
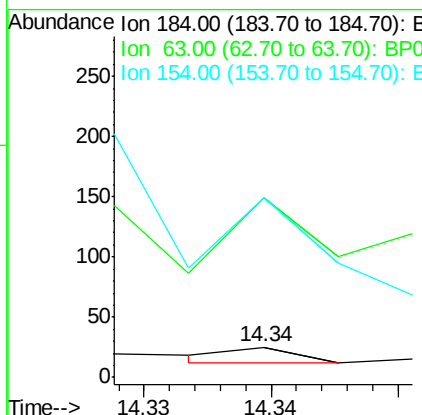
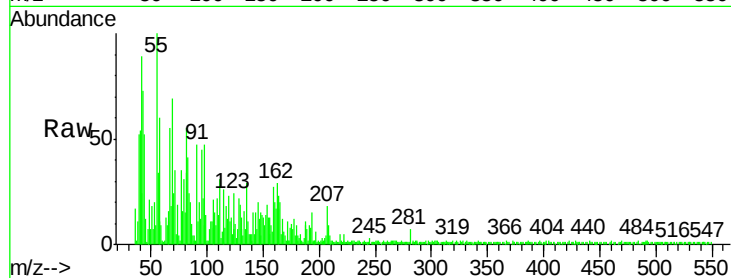




#54
2,4-Dinitrophenol
Concen: 11.375 ng
RT: 14.34 min Scan# 1947
Delta R.T. 0.00 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

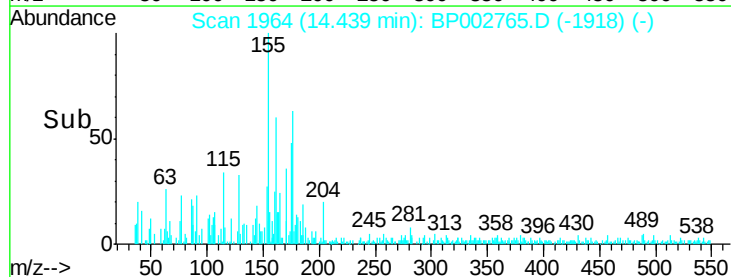
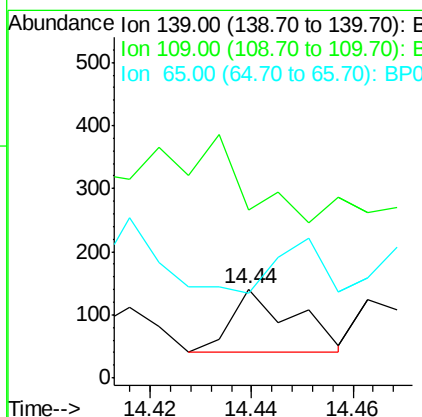
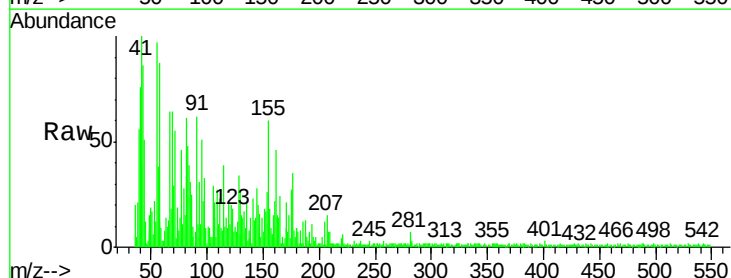
Instrument :
BNA_P
ClientSampled :
TR-05-071420

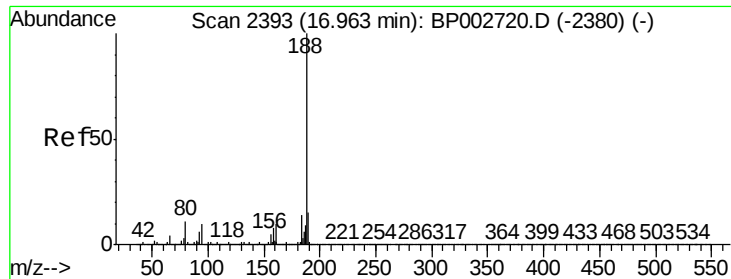
Tot Ion:184 Resp: 5
Ion Ratio Lower Upper
184 100
63 596.0 51.6 77.4#
154 596.0 45.0 67.6#



#56
4-Nitrophenol
Concen: 4.986 ng
RT: 14.44 min Scan# 1964
Delta R.T. -0.03 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion:139 Resp: 86
Ion Ratio Lower Upper
139 100
109 189.4 48.1 88.1#
65 95.0 77.9 117.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

ClientSampleId :

TR-05-071420

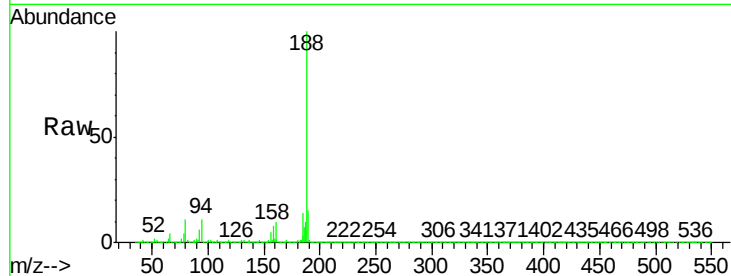
Tot Ion:188 Resp: 807374

Ion Ratio Lower Upper

188 100

94 10.5 8.1 12.1

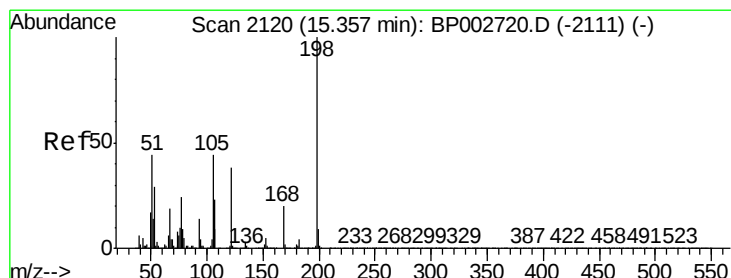
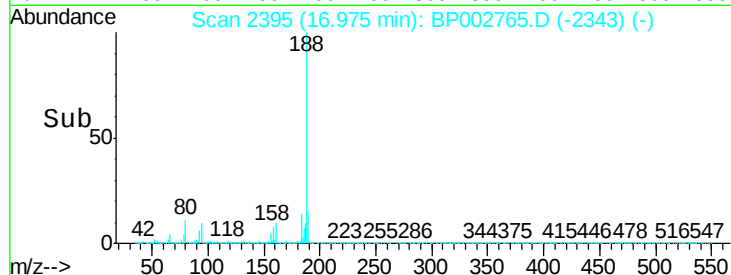
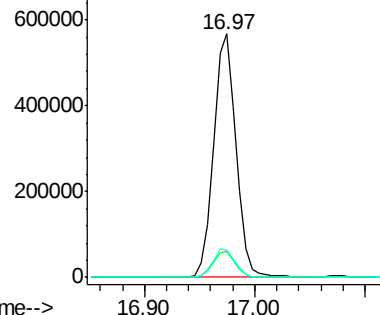
80 11.0 8.9 13.3



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: 5.269 ng

RT: 15.37 min Scan# 2122

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

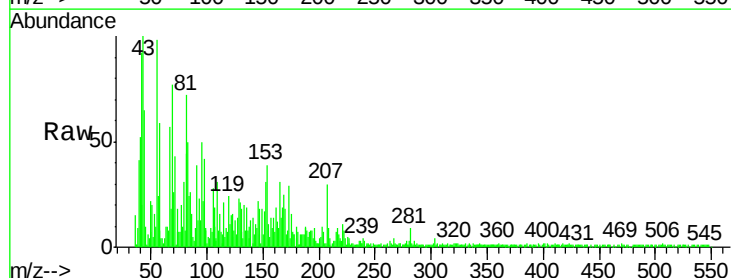
Tgt Ion:198 Resp: 16

Ion Ratio Lower Upper

198 100

51 470.7 27.1 67.1#

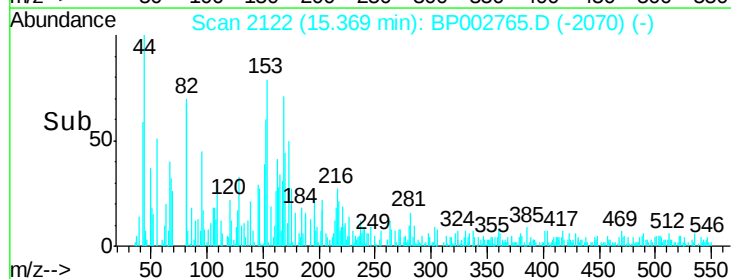
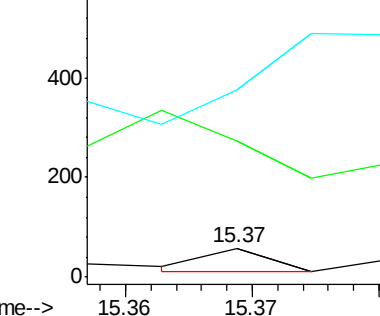
105 650.0 24.9 64.9#

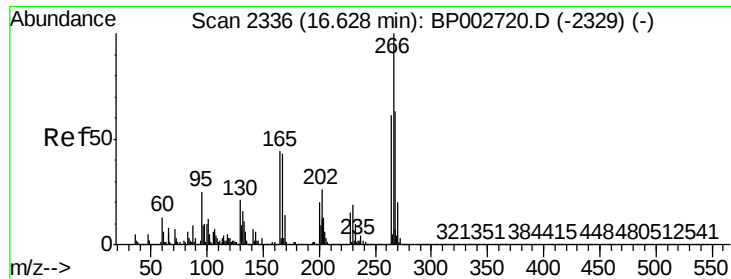


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

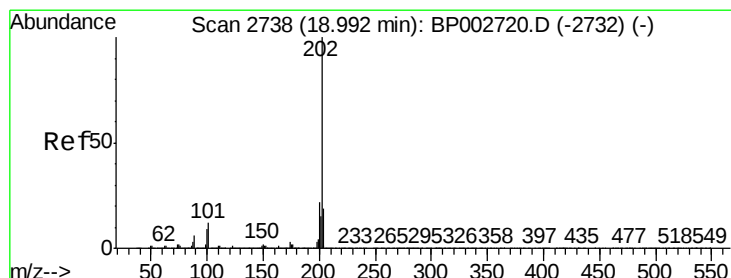
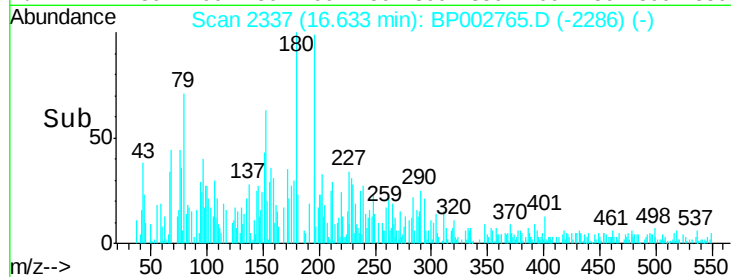
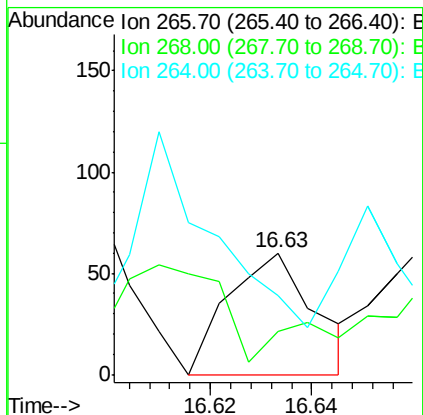
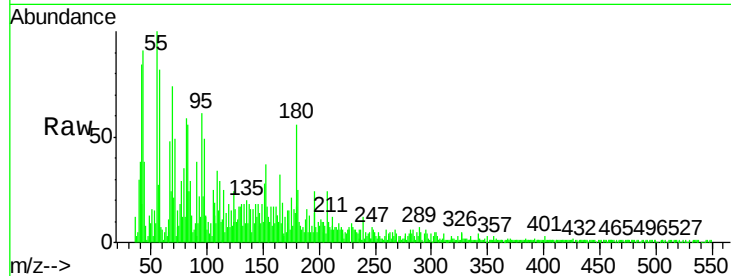




#70
Pentachlorophenol
Concen: 7.456 ng
RT: 16.63 min Scan# 2337
Delta R.T. 0.00 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

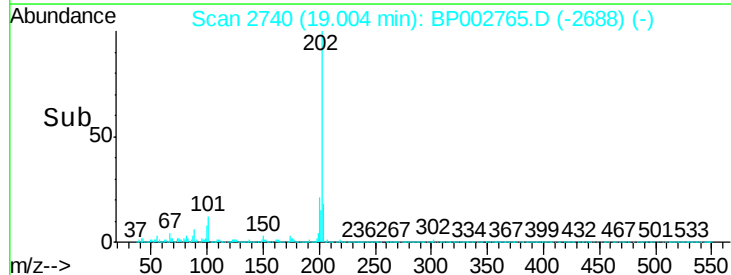
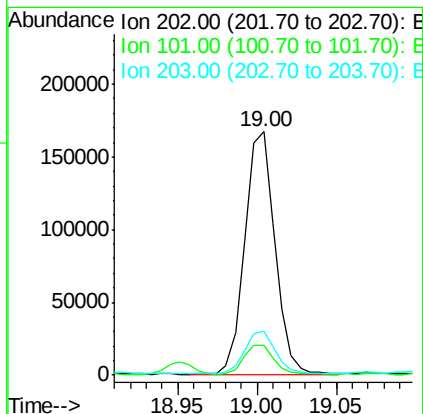
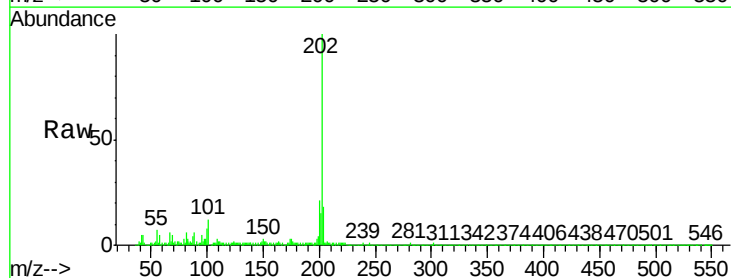
Instrument :
BNA_P
ClientSampleId :
TR-05-071420

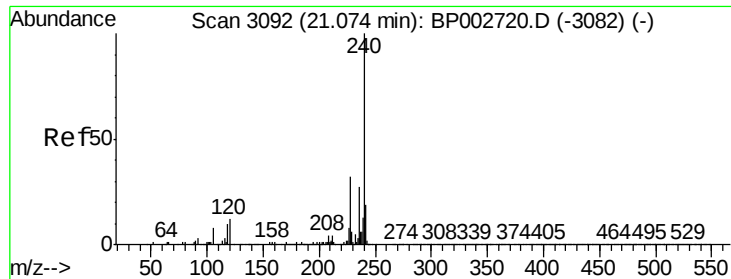
Tot Ion	Ratio	Lower	Upper
266	100		
268	35.0	50.6	75.8#
264	65.0	48.6	72.8



#75
Fluoranthene
Concen: 4.334 ng
RT: 19.00 min Scan# 2740
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.5
203	18.1	0.0	38.6

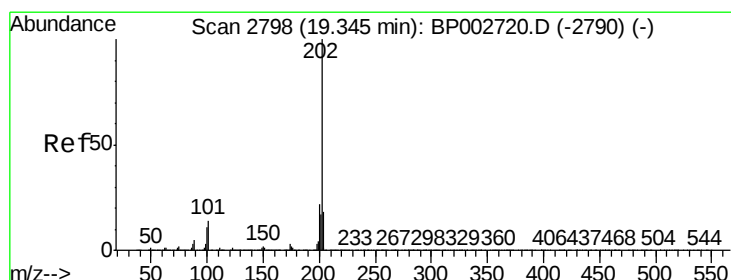
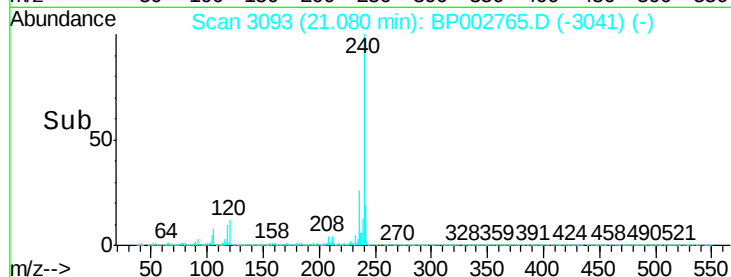
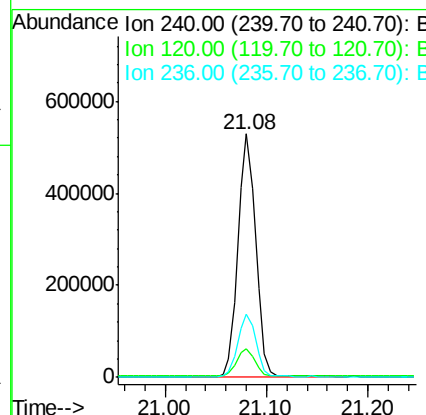
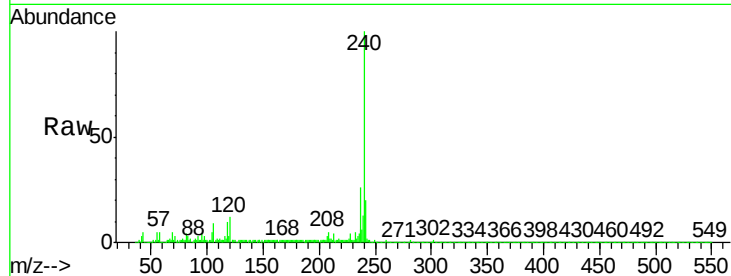




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

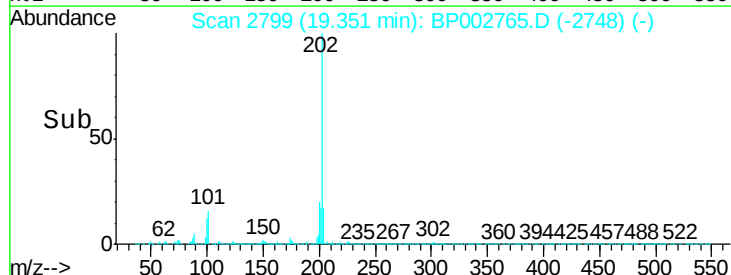
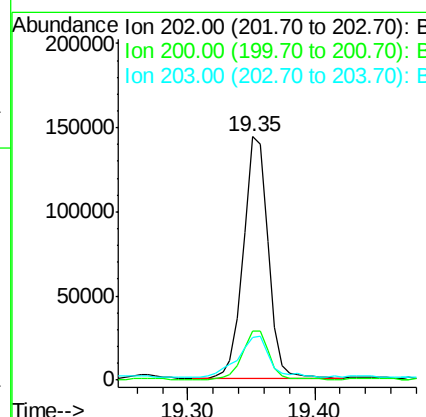
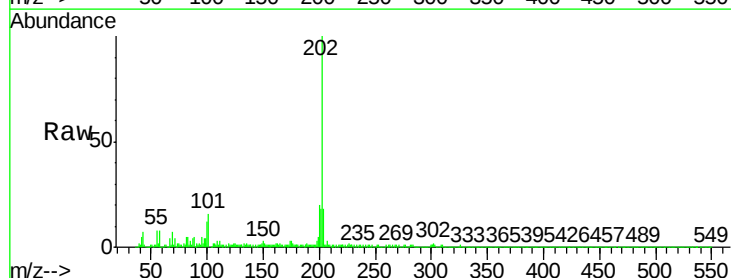
Instrument :
BNA_P
ClientSampleId :
TR-05-071420

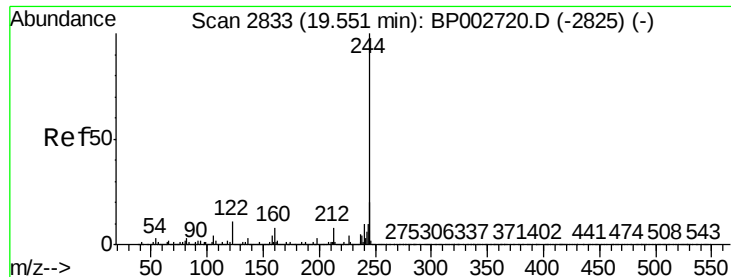
Tot Ion:240 Resp: 641589
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 26.1 21.3 31.9



#78
Pyrene
Concen: 4.391 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion:202 Resp: 194531
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 17.6 14.5 21.7





#79

Terphenyl-d14

Concen: 5.750 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

ClientSampleId :

TR-05-071420

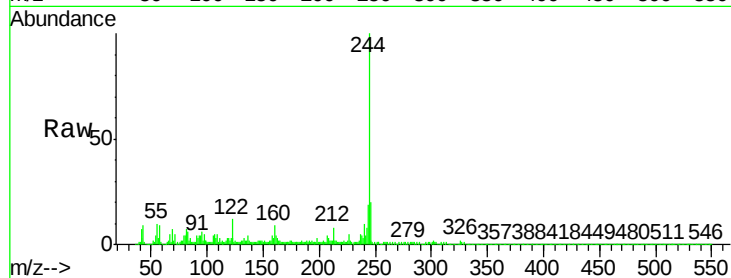
Tot Ion:244 Resp: 160898

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

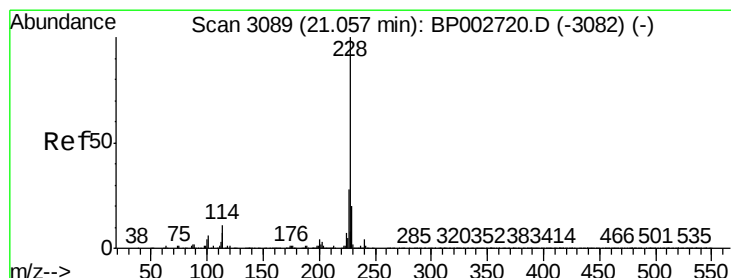
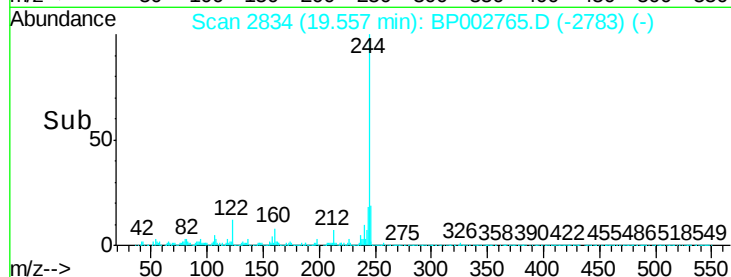
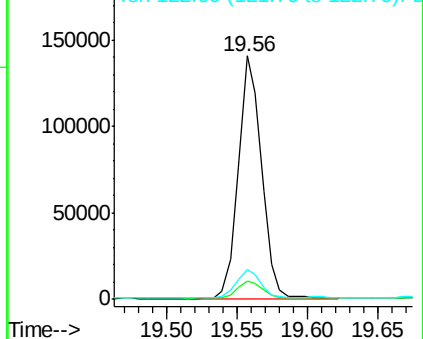
122 12.2 8.9 13.3



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: 2.551 ng

RT: 21.07 min Scan# 3091

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

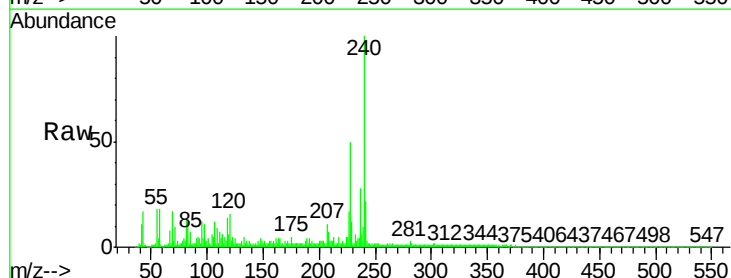
Tgt Ion:228 Resp: 105938

Ion Ratio Lower Upper

228 100

226 33.8 22.6 34.0

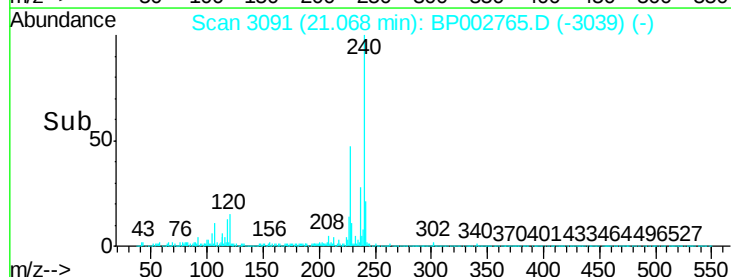
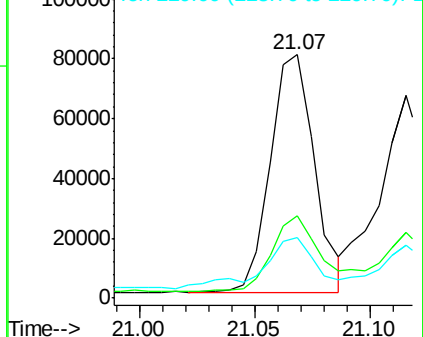
229 24.8 16.0 24.0#

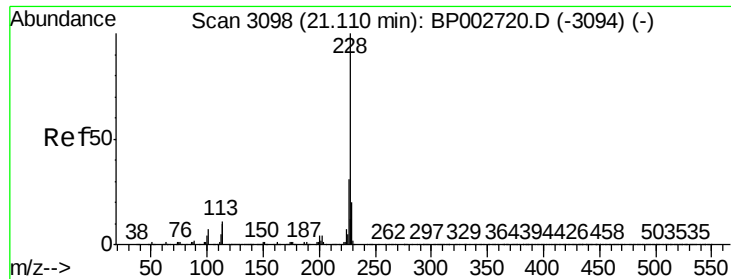


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.371 ng

RT: 21.12 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

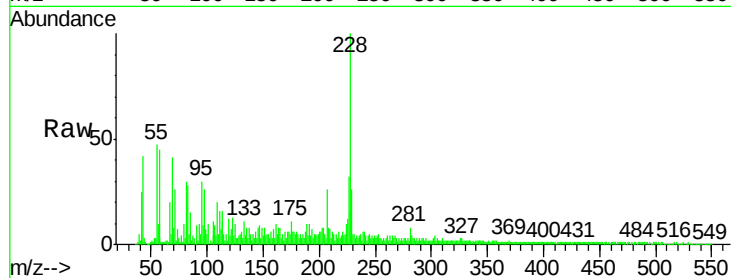
BNA_P

ClientSampleId :

TR-05-071420

Tot Ion:228 Resp: 93729

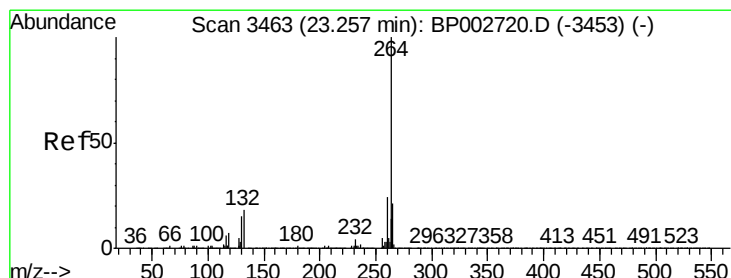
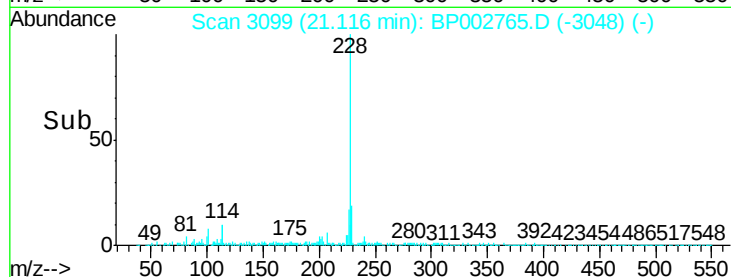
Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.6	37.0
229	25.9	15.7	23.5



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: 23.27 min Scan# 3466

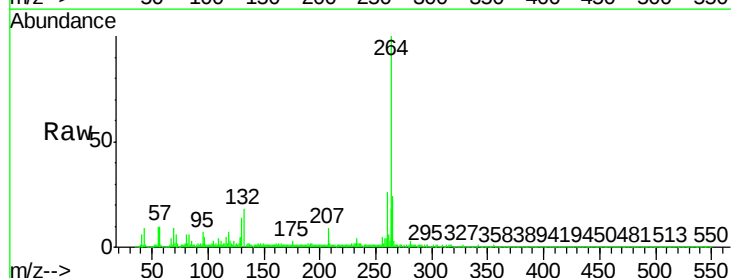
Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Tgt Ion:264 Resp: 612673

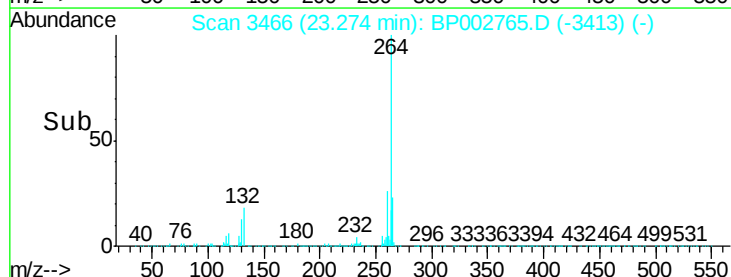
Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.3	28.9
265	23.5	16.8	25.2

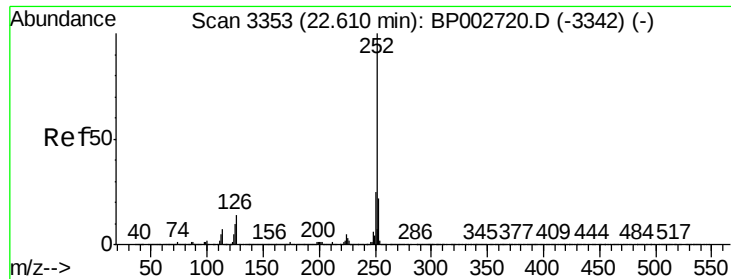


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 4.468 ng

RT: 22.62 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

ClientSampleId :

TR-05-071420

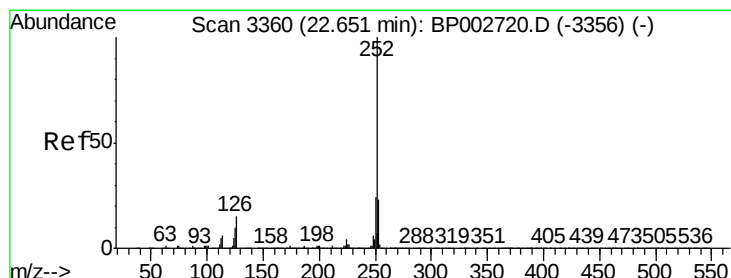
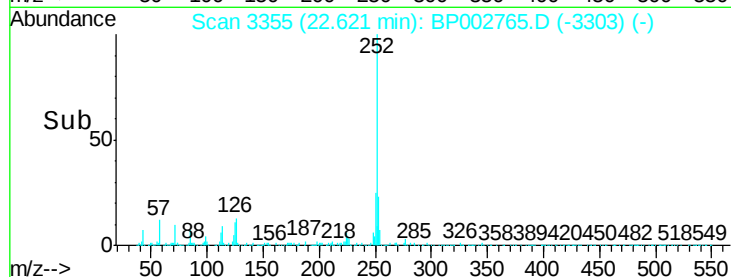
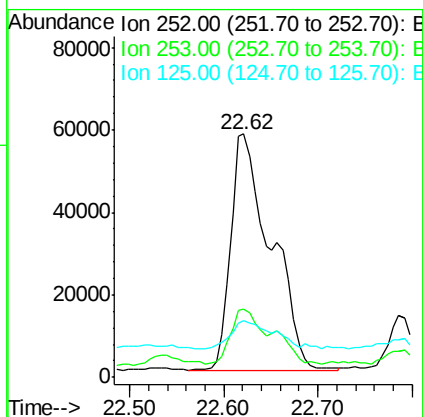
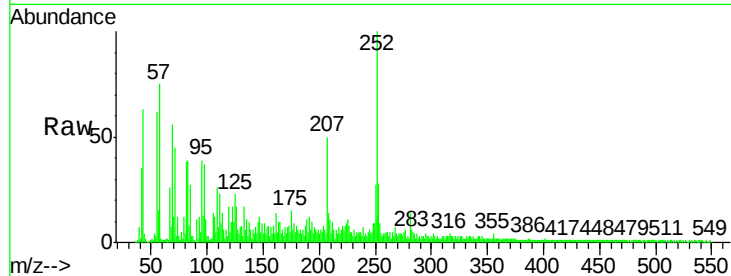
Tot Ion:252 Resp: 169968

Ion Ratio Lower Upper

252 100

253 27.8 17.7 26.5#

125 23.2 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 4.536 ng

RT: 22.62 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

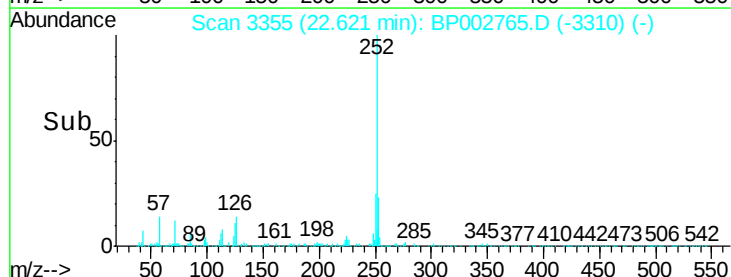
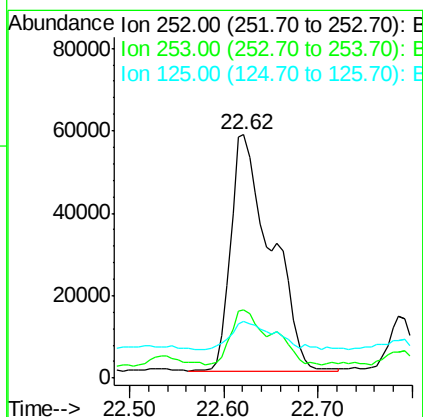
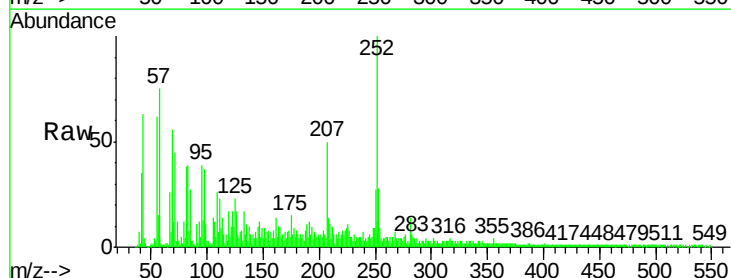
Tgt Ion:252 Resp: 169968

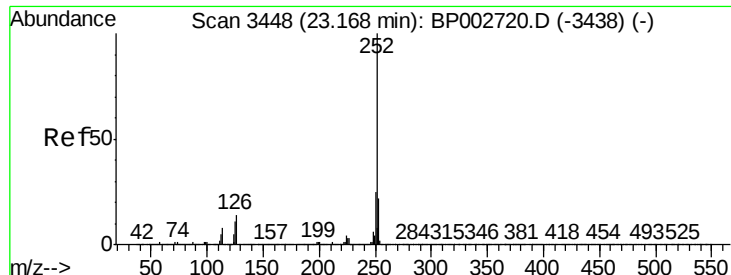
Ion Ratio Lower Upper

252 100

253 27.8 17.8 26.8#

125 23.2 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.560 ng

RT: 23.18 min Scan# 3450

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

ClientSampleId :

TR-05-071420

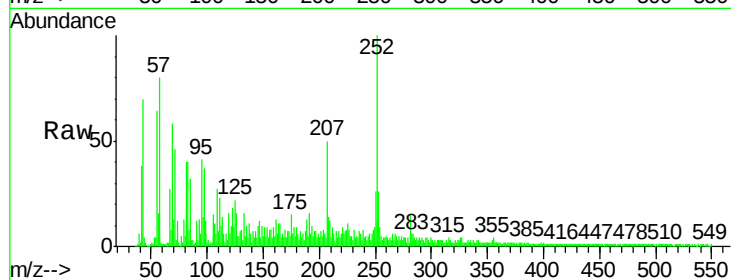
Tot Ion: 252 Resp: 92289

Ion Ratio Lower Upper

252 100

253 26.3 17.6 26.4

125 22.1 8.6 13.0#



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

