

Data File : BP001541.D
Acq On : 06 Jan 2020 21:35
Operator : JU
Sample : L1010-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OK-01-010220

Quant Time: Jan 07 02:58:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 06 16:38:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	55884	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	214021	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	141094	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	305654	20.00	ng	0.00
76) Chrysene-d12	21.18	240	247634	20.00	ng	0.00
87) Perylene-d12	23.43	264	264203	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	128099	38.51	ng	0.00
7) Phenol-d6	6.88	99	188619	42.10	ng	0.00
23) Nitrobenzene-d5	8.83	82	126380	29.17	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	76317	47.79	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	281935	29.38	ng	0.00
79) Terphenyl-d14	19.66	244	398239	32.05	ng	0.00

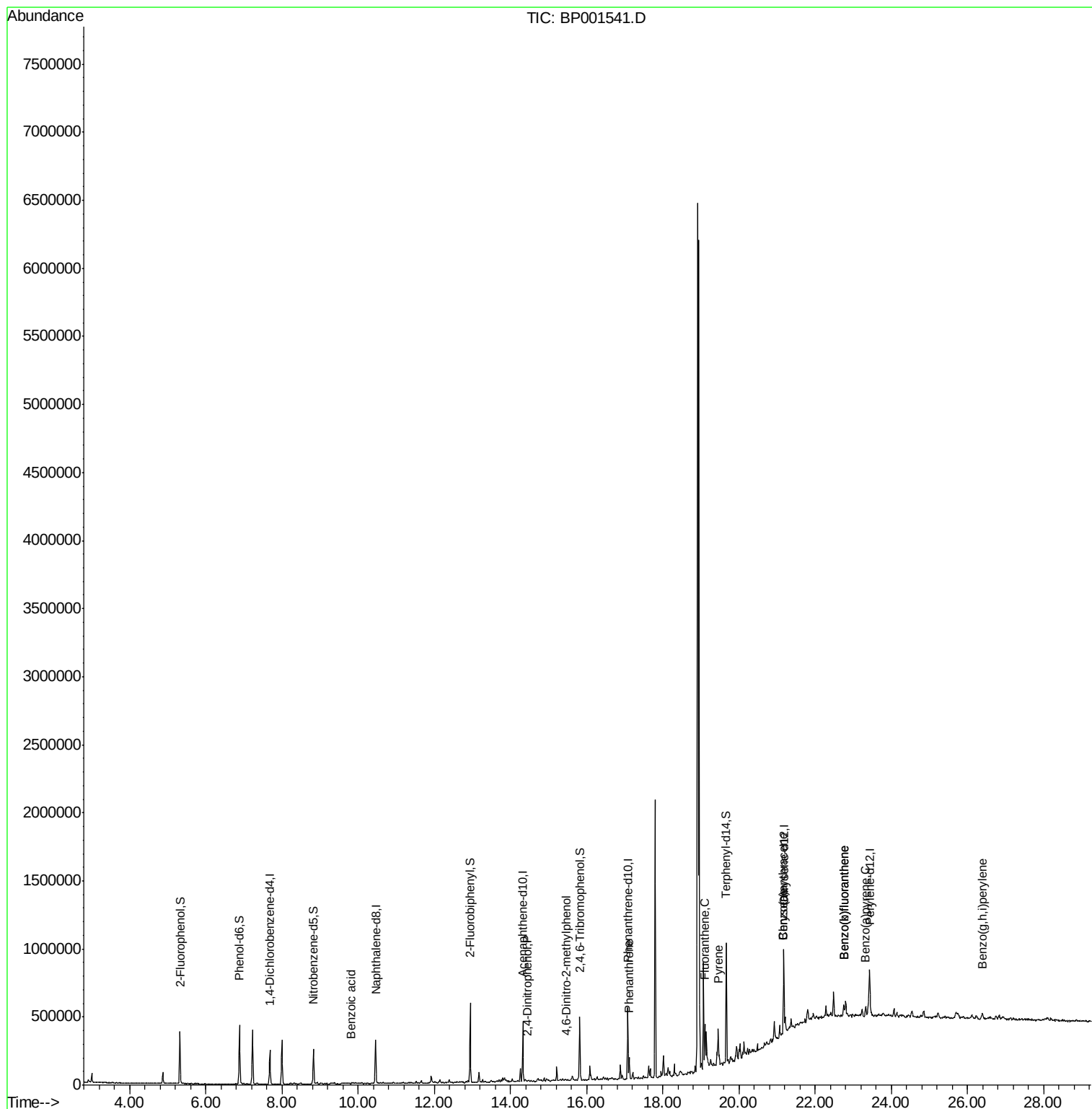
Target Compounds				Qvalue		
9) Benzaldehyde	6.83	77	200	Below Cal	#	23
32) Benzoic acid	9.81	122	31	7.782 ng	#	26
54) 2,4-Dinitrophenol	14.45	184	7	6.456 ng	#	1
65) 4,6-Dinitro-2-methylphenol	15.47	198	15	5.881 ng	#	1
71) Phenanthrene	17.12	178	90205	5.441 ng		98
75) Fluoranthene	19.10	202	162310	8.088 ng		100
78) Pyrene	19.45	202	163867	9.119 ng		98
81) Benzo(a)anthracene	21.16	228	65828	3.789 ng		92
83) Chrysene	21.16	228	65828	3.951 ng		94
88) Benzo(b)fluoranthene	22.76	252	94793	5.795 ng	#	89
89) Benzo(k)fluoranthene	22.76	252	94793	6.049 ng	#	91
90) Benzo(a)pyrene	23.33	252	53549	3.497 ng	#	94
92) Benzo(g,h,i)perylene	26.39	276	36657	2.415 ng	#	93

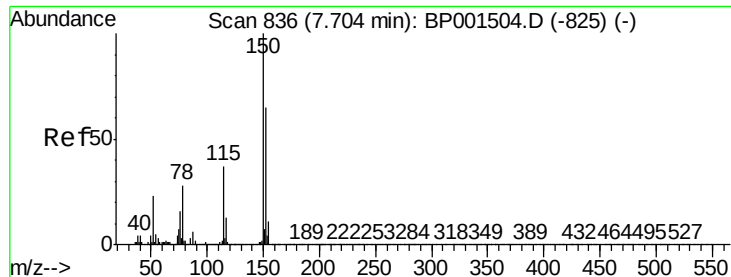
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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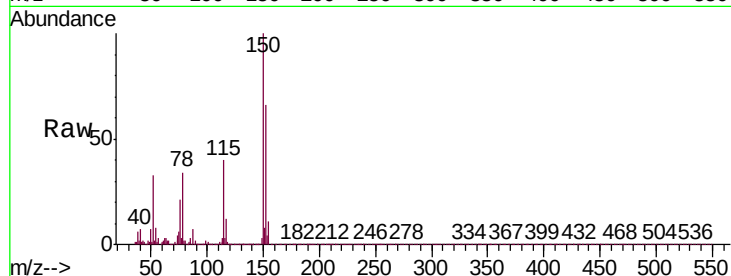


#1

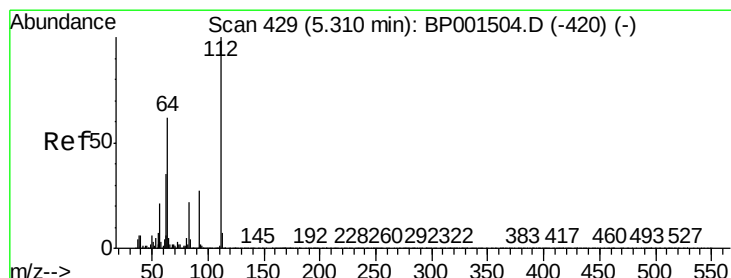
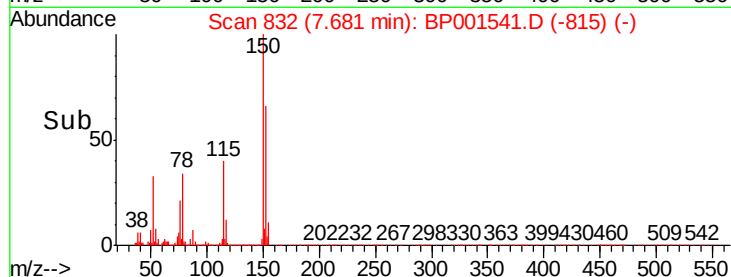
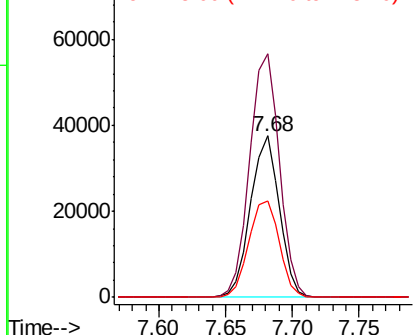
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 832
Delta R.T. 0.00 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

Instrument :
BNA_P
ClientSampleId :
OK-01-010220

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.9	117.9	176.9
115	59.7	50.3	75.5



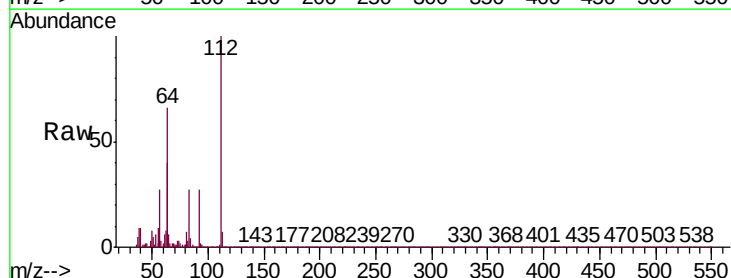
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



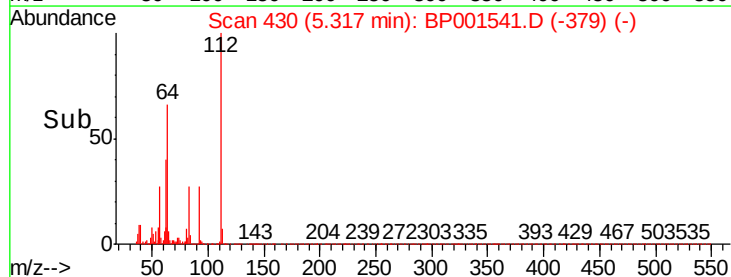
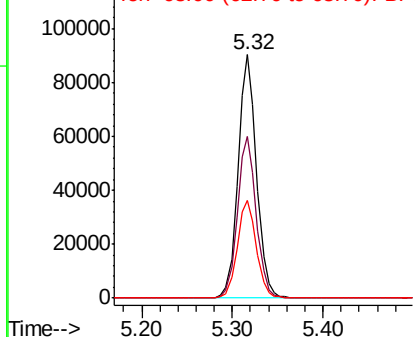
#5

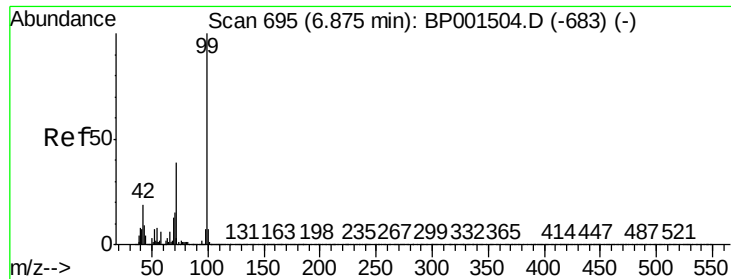
2-Fluorophenol
Concen: 38.510 ng
RT: 5.32 min Scan# 430
Delta R.T. 0.00 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	52.6	79.0
63	40.1	32.6	48.8



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: 42.099 ng

RT: 6.88 min Scan# 696

Delta R.T. -0.01 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

Instrument :

BNA_P

ClientSampleId :

OK-01-010220

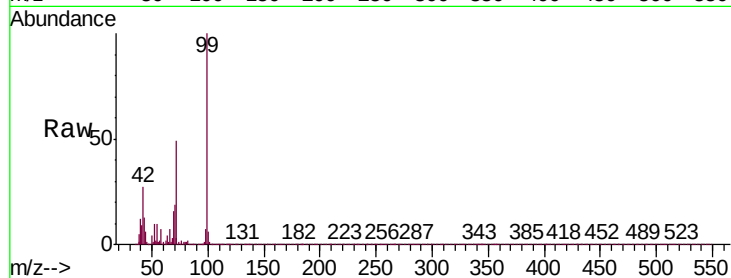
Tgt Ion: 99 Resp: 188619

Ion Ratio Lower Upper

99 100

42 27.3 21.2 31.8

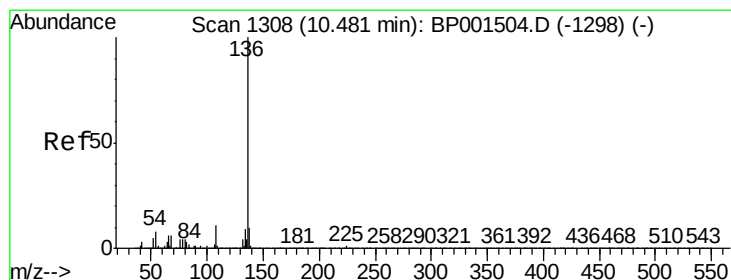
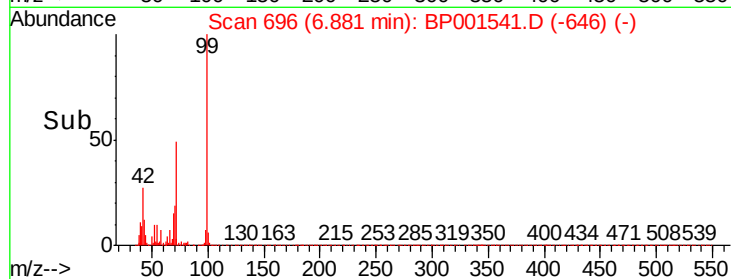
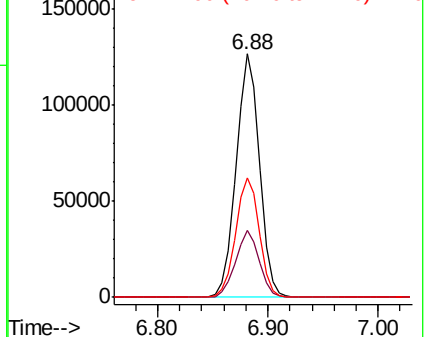
71 49.1 40.0 60.0



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: 10.46 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

Tgt Ion: 136 Resp: 214021

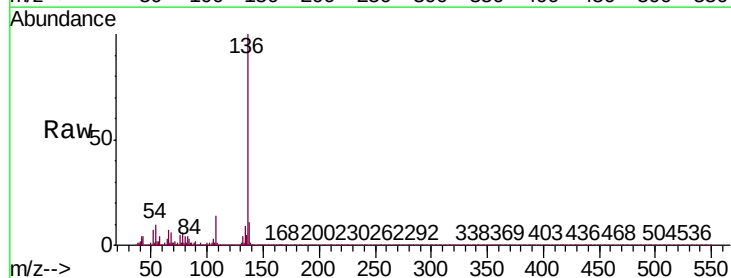
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 10.2 8.4 12.6

68 5.9 3.8 5.8#

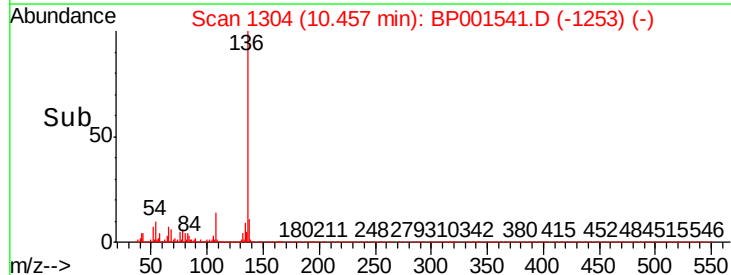
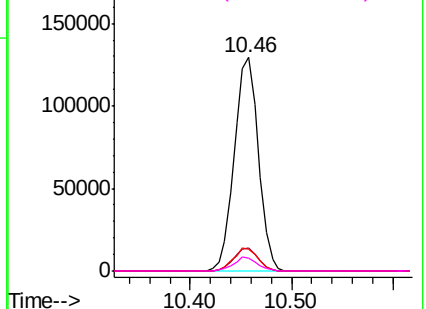


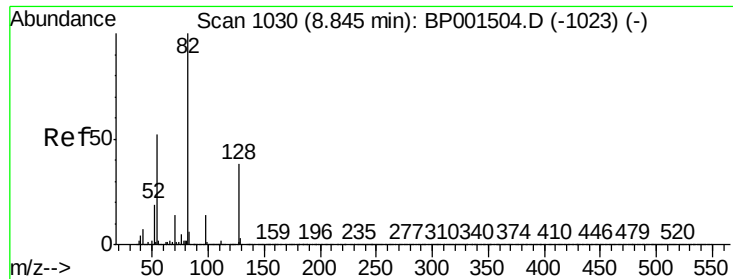
Abundance Ion 136.00 (135.70 to 136.70): E

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

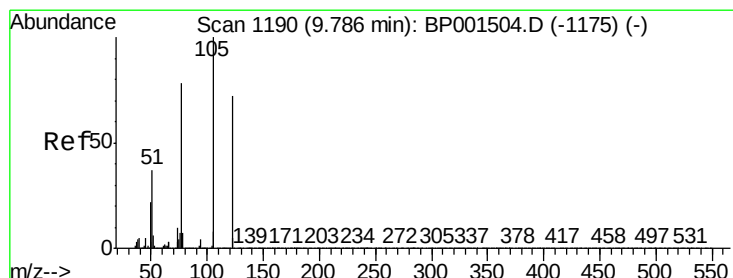
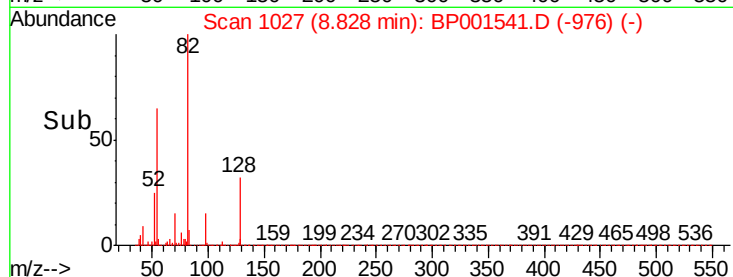
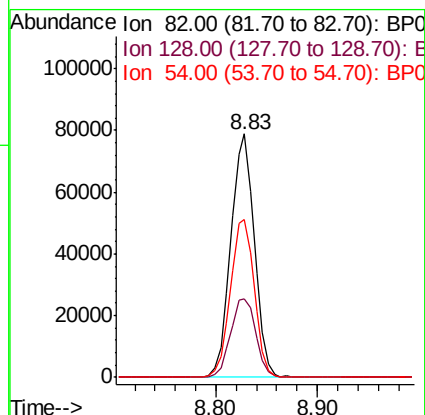
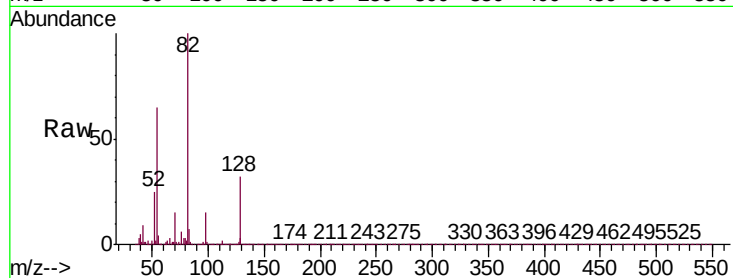




#23
Nitrobenzene-d5
Concen: 29.166 ng
RT: 8.83 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

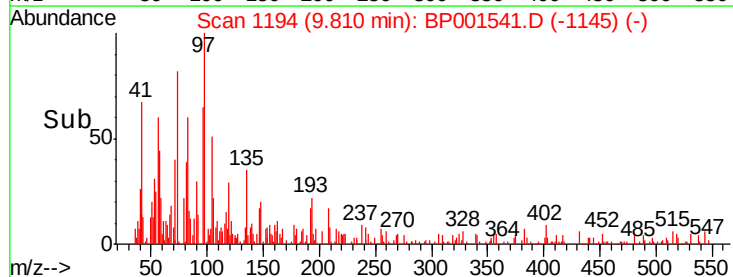
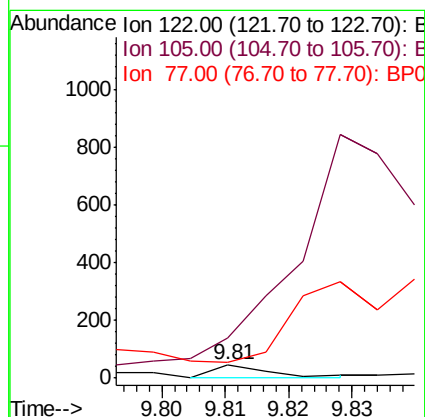
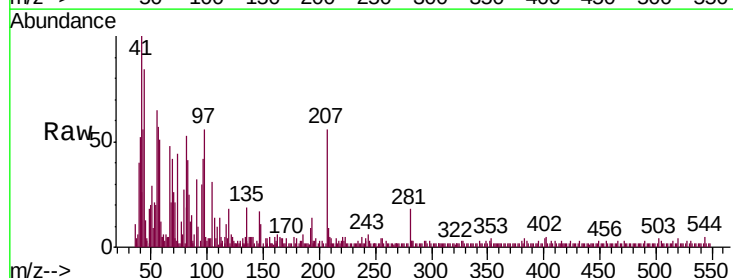
Instrument :
BNA_P
ClientSampleId :
OK-01-010220

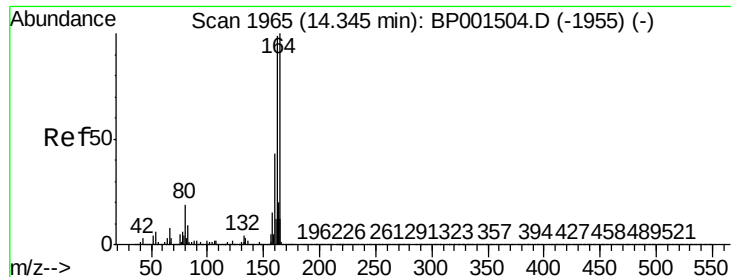
Tgt Ion: 82 Resp: 126380
Ion Ratio Lower Upper
82 100
128 32.3 26.9 40.3
54 64.8 51.8 77.8



#32
Benzoic acid
Concen: 7.782 ng
RT: 9.81 min Scan# 1194
Delta R.T. -0.01 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

Tgt Ion: 122 Resp: 31
Ion Ratio Lower Upper
122 100
105 293.6 111.0 151.0#
77 114.9 96.4 136.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

Instrument :

BNA_P

ClientSampleId :

OK-01-010220

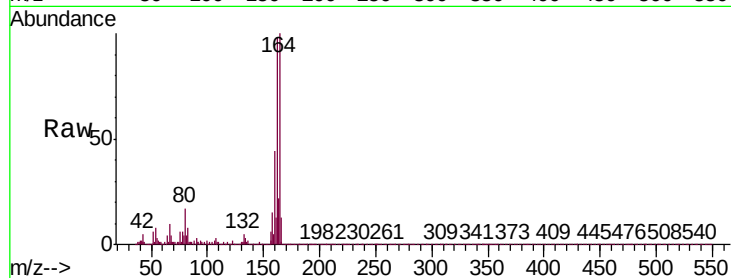
Tgt Ion:164 Resp: 141094

Ion Ratio Lower Upper

164 100

162 97.9 79.0 118.4

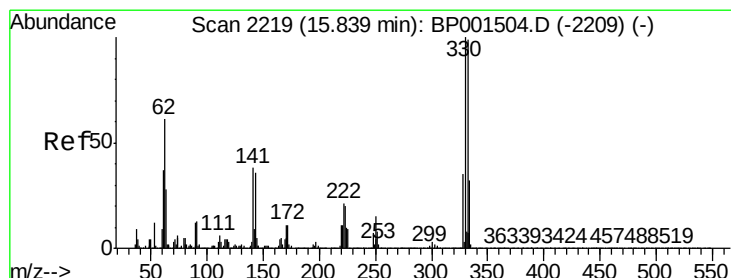
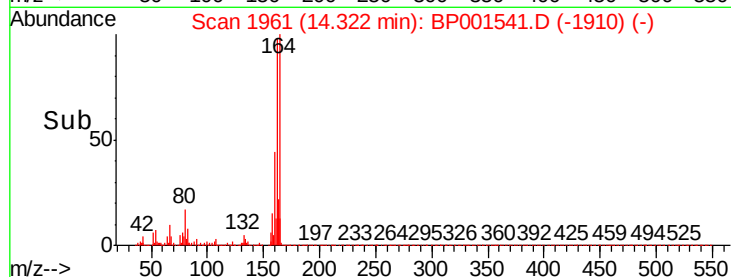
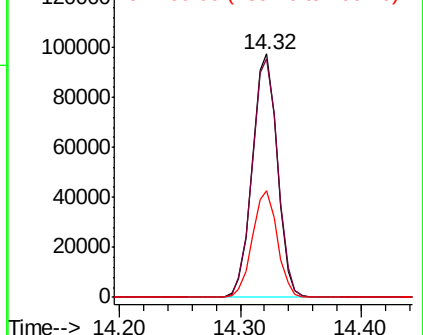
160 43.9 34.1 51.1



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



#42

2,4,6-Tribromophenol

Concen: 47.792 ng

RT: 15.82 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

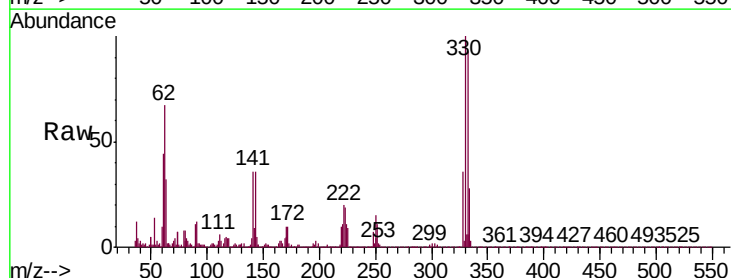
Tgt Ion:330 Resp: 76317

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

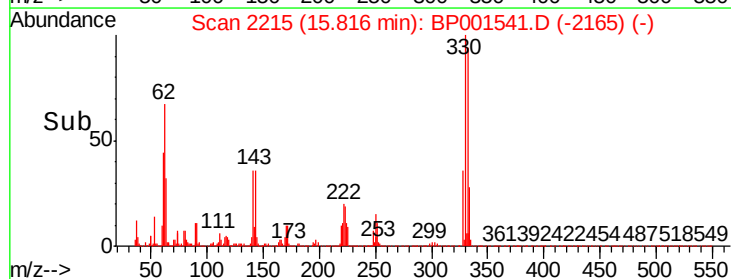
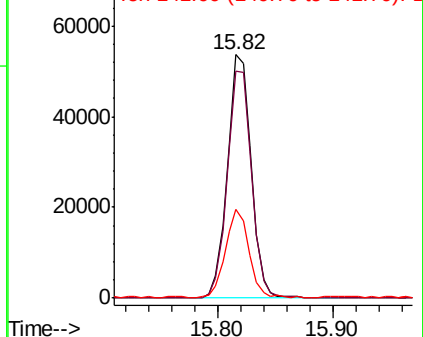
141 35.2 28.7 43.1

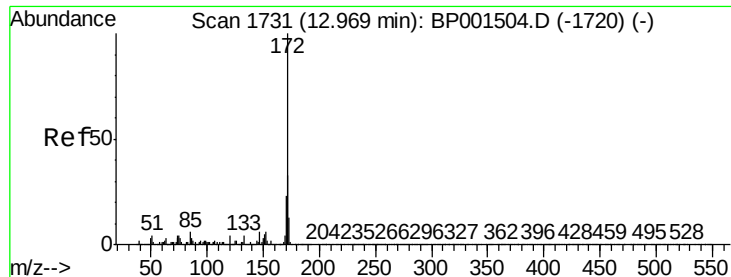


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

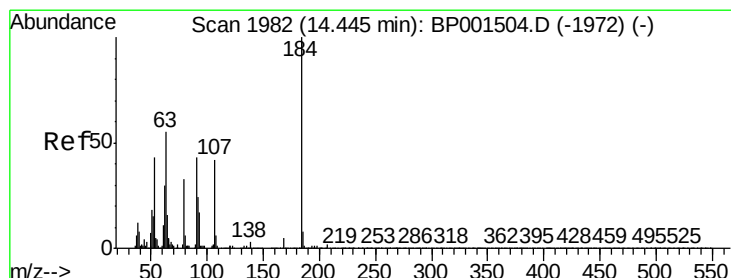
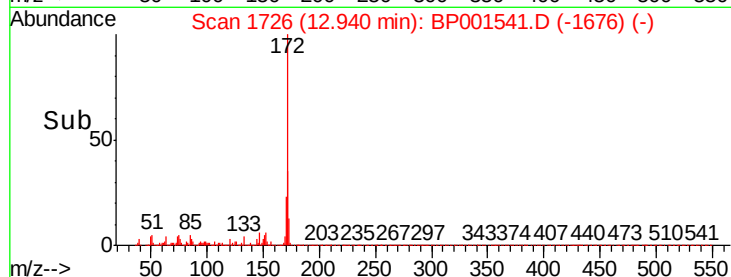
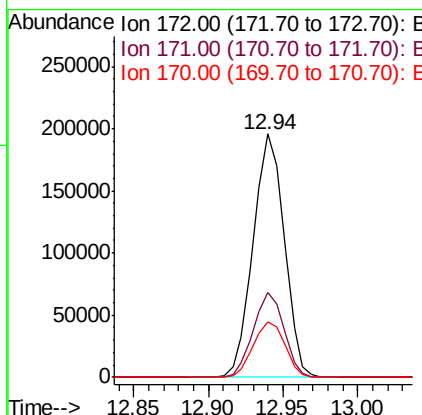
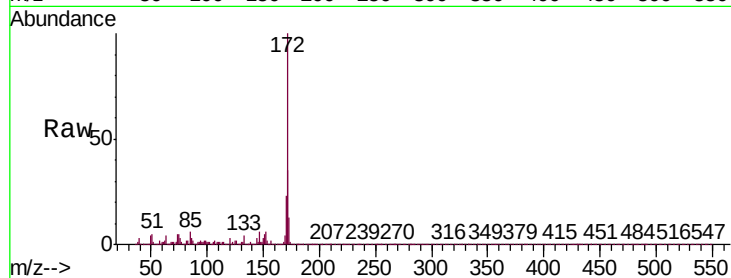




#45
2-Fluorobiphenyl
Concen: 29.381 ng
RT: 12.94 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

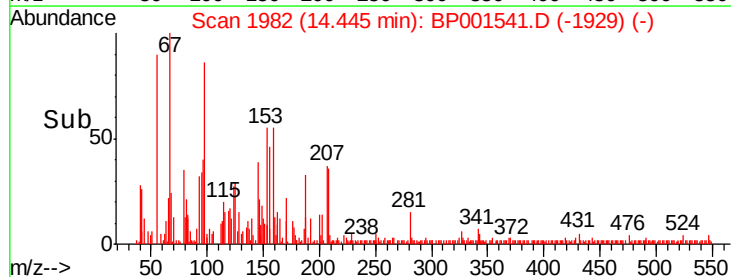
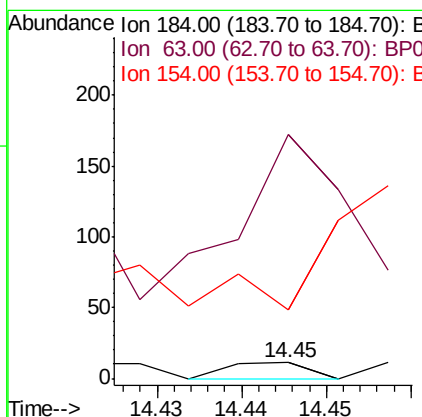
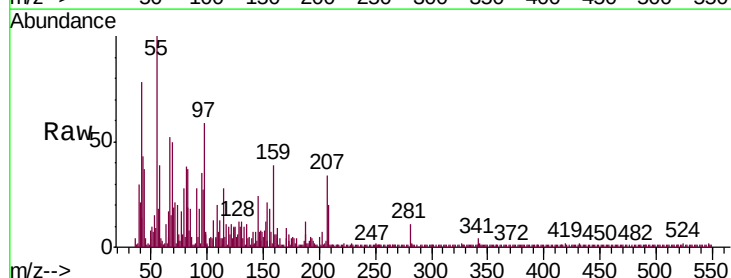
Instrument :
BNA_P
ClientSampleId :
OK-01-010220

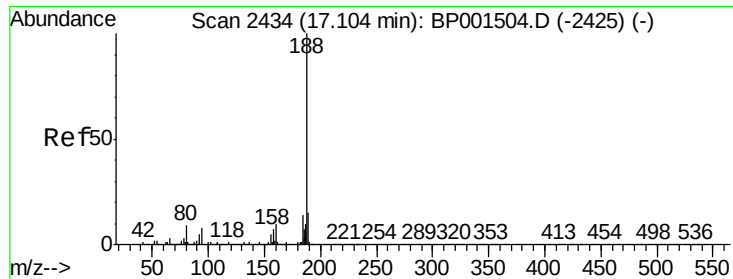
Tgt Ion:172 Resp: 281935
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 23.0 18.6 27.8



#54
2,4-Dinitrophenol
Concen: 6.456 ng
RT: 14.45 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

Tgt Ion:184 Resp: 7
Ion Ratio Lower Upper
184 100
63 1563.6 61.7 92.5#
154 436.4 58.9 88.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2430

Delta R.T. 0.00 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

Instrument :

BNA_P

ClientSampleId :

OK-01-010220

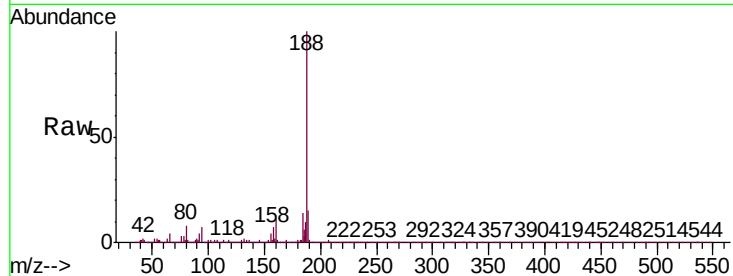
Tgt Ion:188 Resp: 305654

Ion Ratio Lower Upper

188 100

94 7.2 5.4 8.0

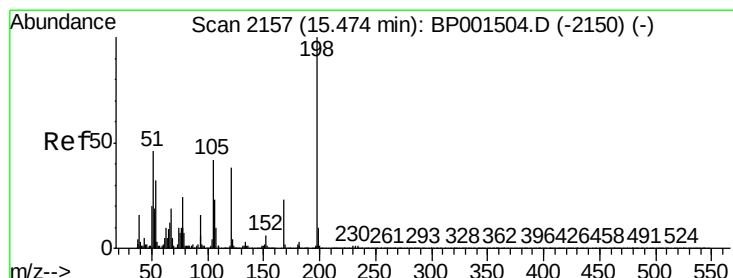
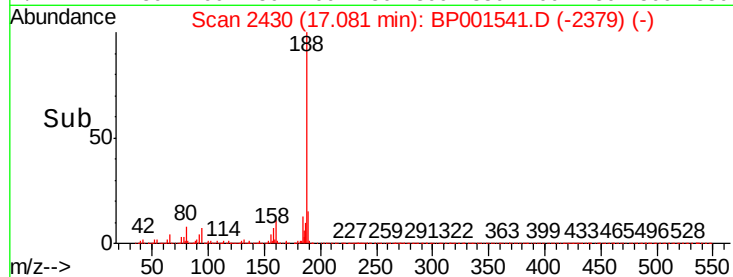
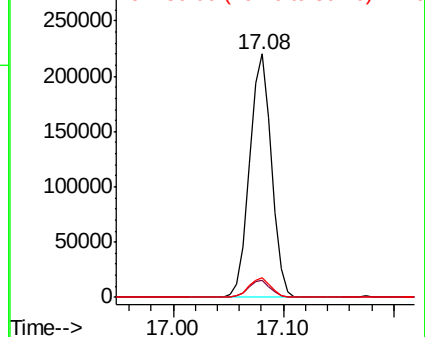
80 8.2 6.3 9.5



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: 5.881 ng

RT: 15.47 min Scan# 2156

Delta R.T. 0.01 min

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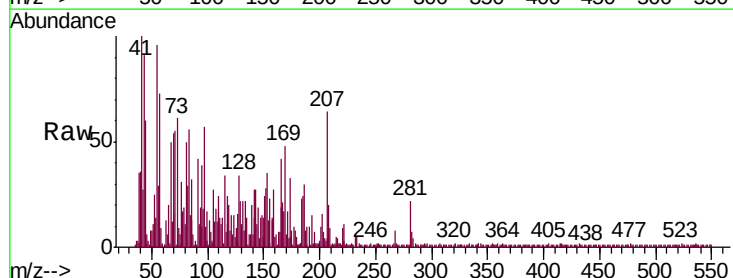
Tgt Ion:198 Resp: 15

Ion Ratio Lower Upper

198 100

51 351.6 35.4 75.4#

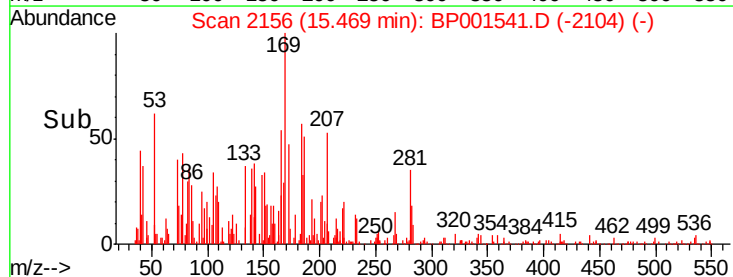
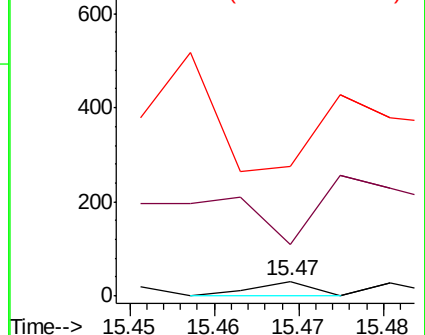
105 887.1 18.3 58.3#

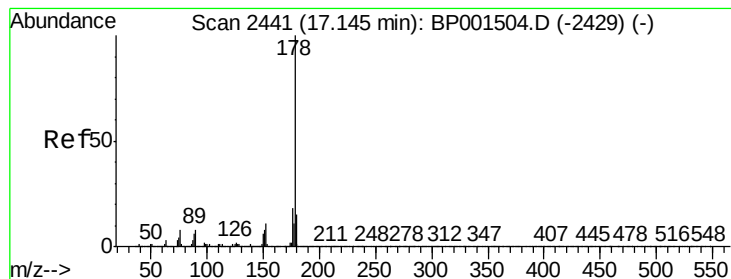


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 5.441 ng

RT: 17.12 min Scan# 2437

Delta R.T. 0.00 min

Lab File: BP001541.D

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Instrument :

BNA_P

ClientSampleId :

OK-01-010220

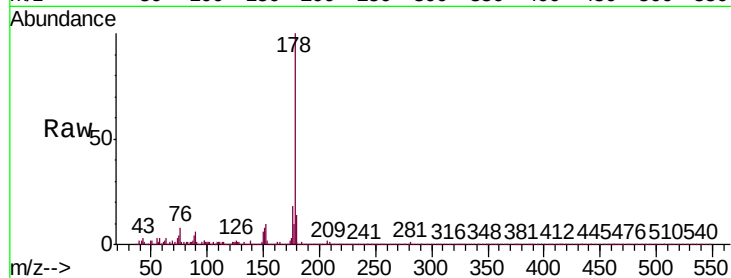
Tgt Ion:178 Resp: 90205

Ion Ratio Lower Upper

178 100

176 18.1 15.1 22.7

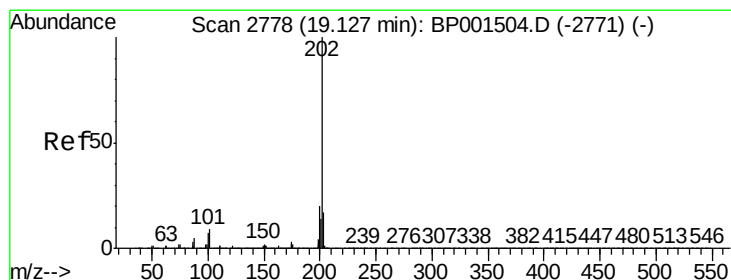
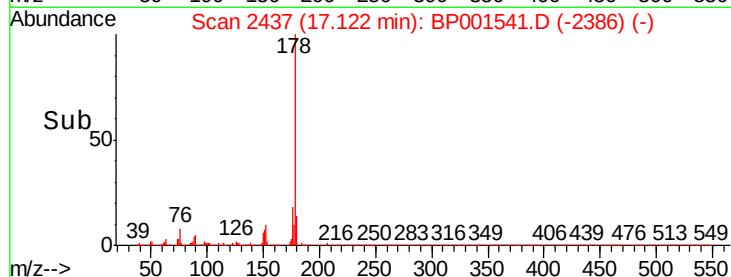
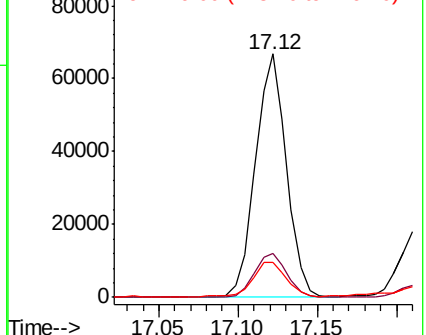
179 14.5 12.2 18.4



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: 8.088 ng

RT: 19.10 min Scan# 2774

Delta R.T. 0.00 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

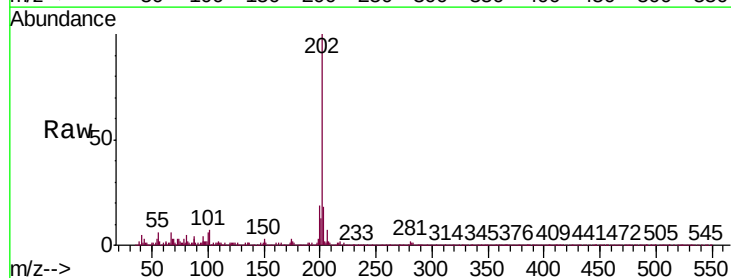
Tgt Ion:202 Resp: 162310

Ion Ratio Lower Upper

202 100

101 7.3 0.0 27.1

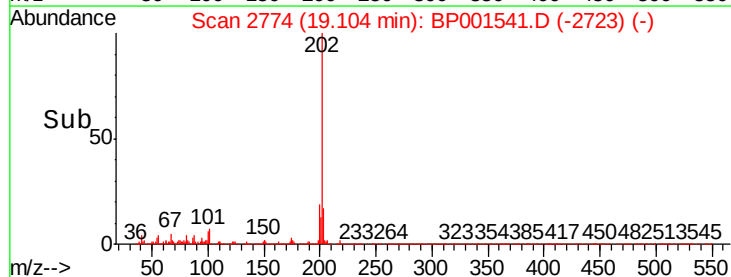
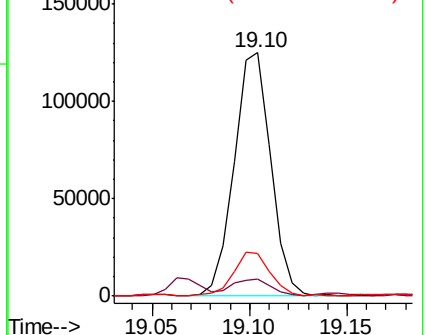
203 17.6 0.0 37.6

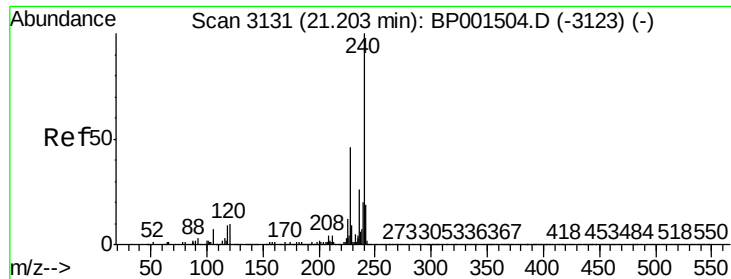


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

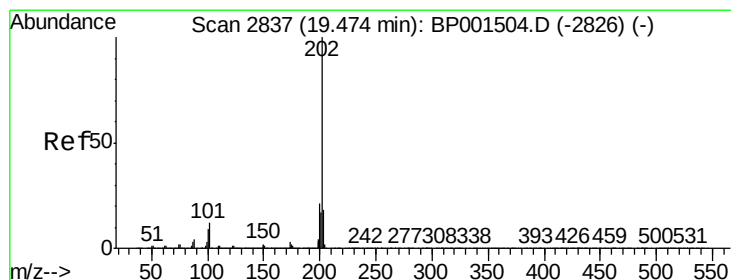
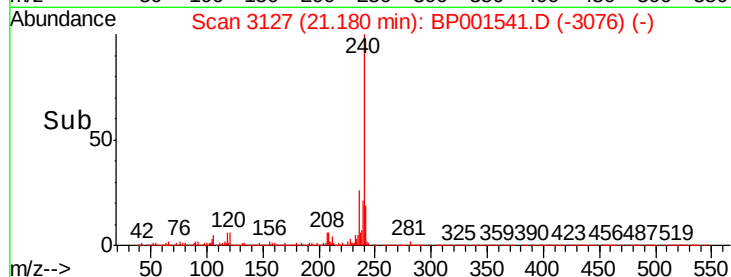
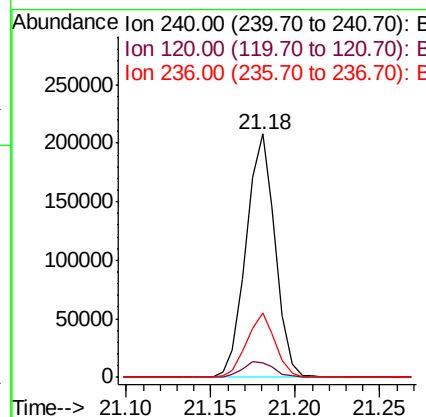
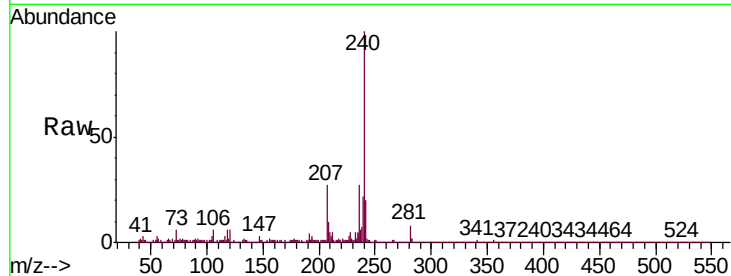




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.18 min Scan# 3127
Delta R.T. 0.00 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

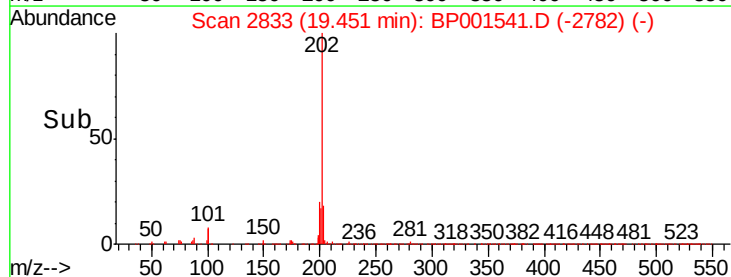
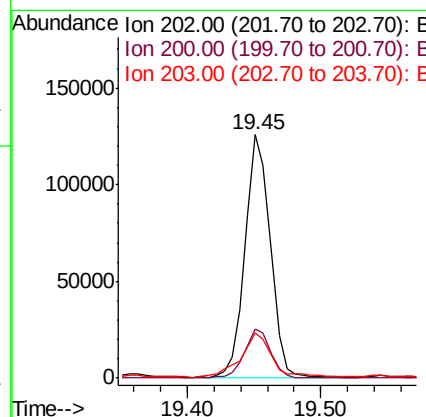
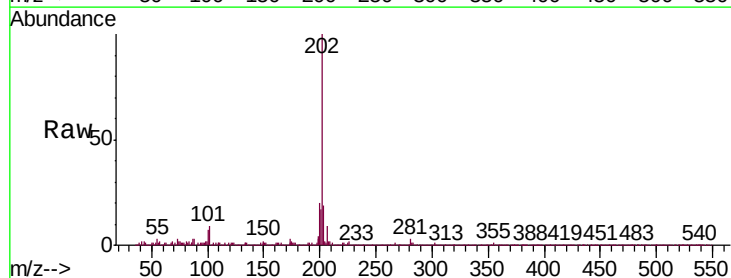
Instrument :
BNA_P
ClientSampleId :
OK-01-010220

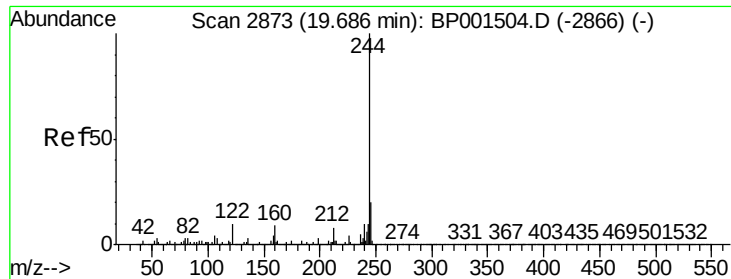
Tgt Ion: 240 Resp: 247634
Ion Ratio Lower Upper
240 100
120 6.1 5.2 7.8
236 26.5 21.4 32.2



#78
Pyrene
Concen: 9.119 ng
RT: 19.45 min Scan# 2833
Delta R.T. 0.00 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

Tgt Ion: 202 Resp: 163867
Ion Ratio Lower Upper
202 100
200 20.2 16.2 24.4
203 18.7 13.6 20.4





#79

Terphenyl-d14

Concen: 32.049 ng

RT: 19.66 min Scan# 2869

Delta R.T. 0.00 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

Instrument :

BNA_P

ClientSampleId :

OK-01-010220

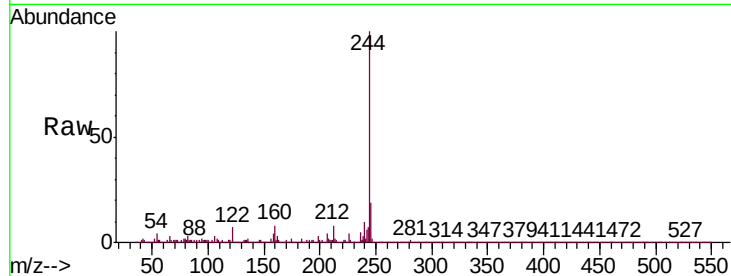
Tgt Ion:244 Resp: 398239

Ion Ratio Lower Upper

244 100

212 7.6 6.7 10.1

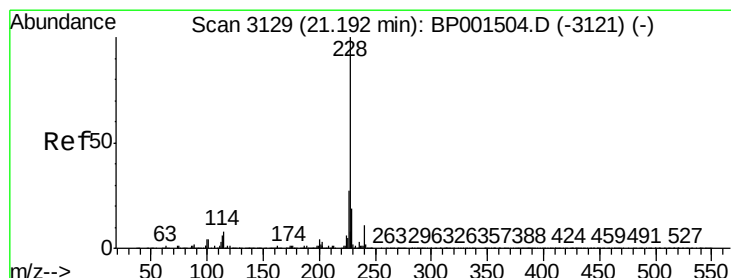
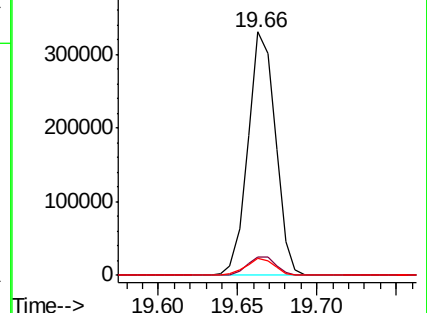
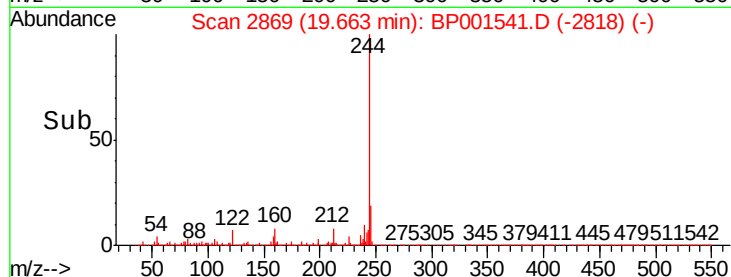
122 7.1 6.0 9.0



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: 3.789 ng

RT: 21.16 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

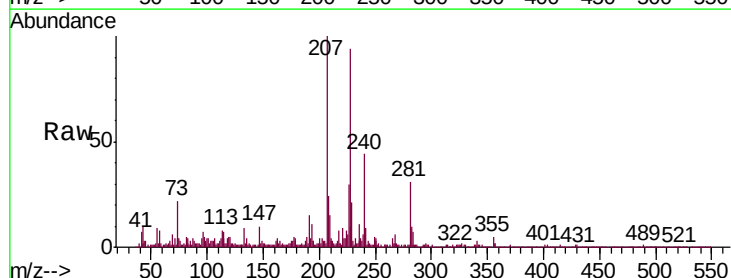
Tgt Ion:228 Resp: 65828

Ion Ratio Lower Upper

228 100

226 31.6 21.4 32.2

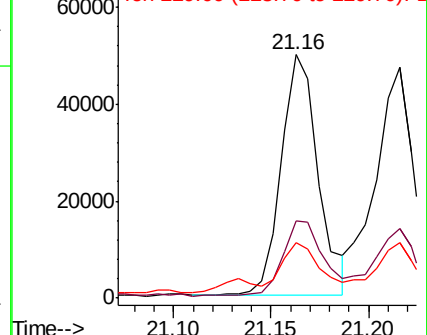
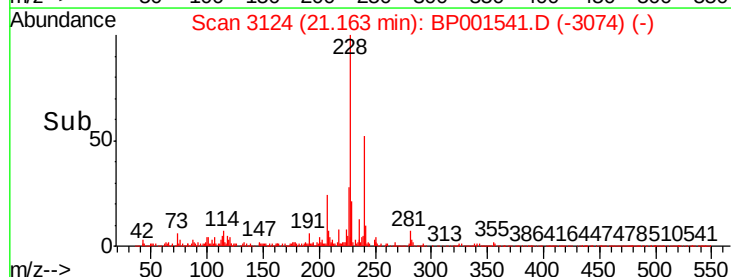
229 22.7 15.5 23.3

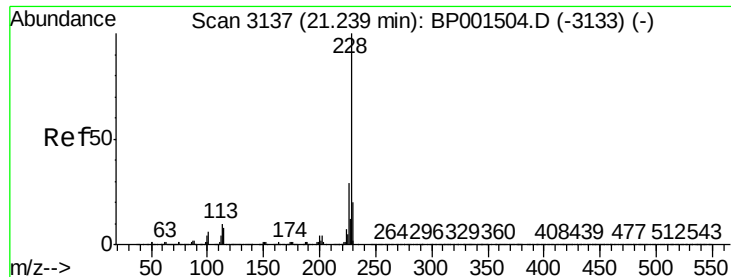


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

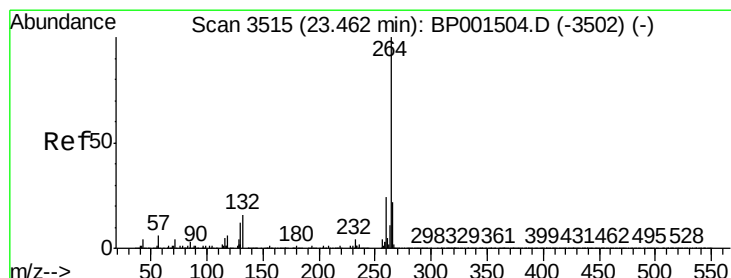
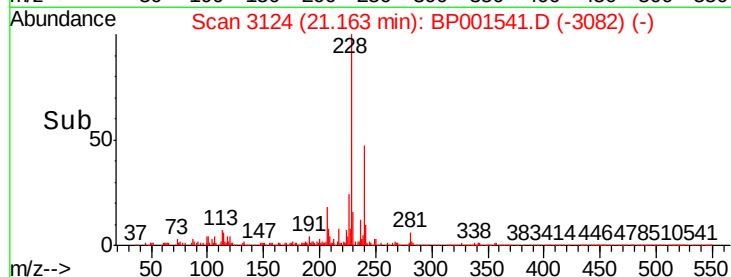
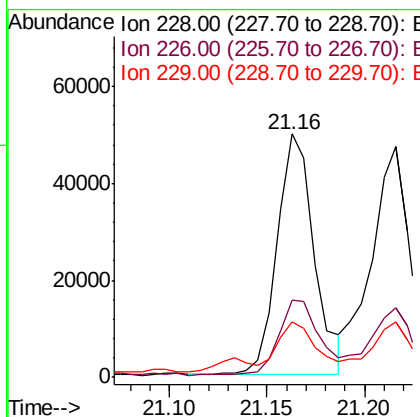
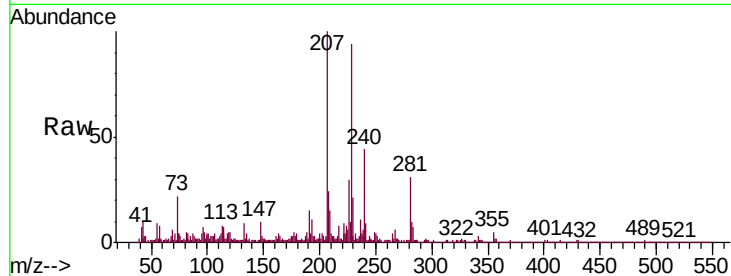




#83
Chrysene
Concen: 3.951 ng
RT: 21.16 min Scan# 3124
Delta R.T. -0.05 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

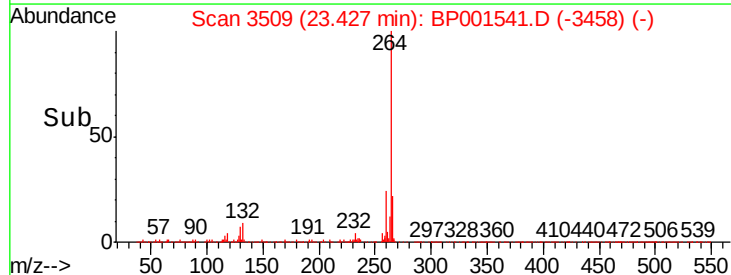
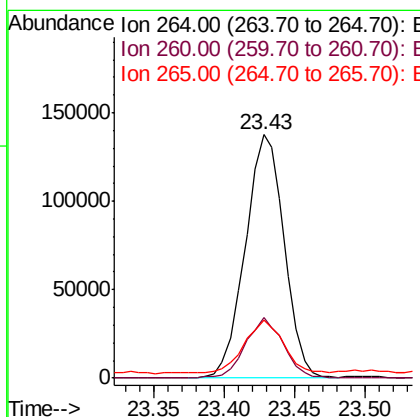
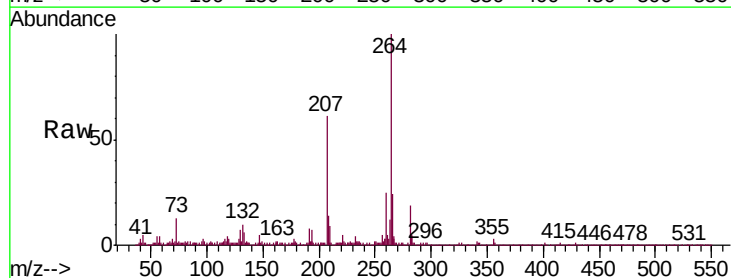
Instrument :
BNA_P
ClientSampleId :
OK-01-010220

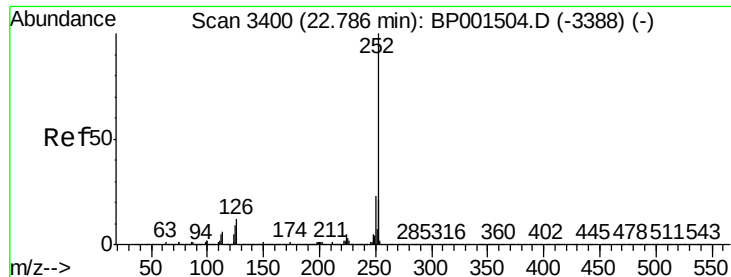
Tgt Ion: 228 Resp: 65828
Ion Ratio Lower Upper
228 100
226 31.6 23.1 34.7
229 22.7 15.6 23.4



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.43 min Scan# 3509
Delta R.T. 0.00 min
Lab File: BP001541.D
Acq: 06 Jan 2020 21:35

Tgt Ion: 264 Resp: 264203
Ion Ratio Lower Upper
264 100
260 24.6 18.6 27.8
265 23.7 19.0 28.4





#88

Benzo(b)fluoranthene

Concen: 5.795 ng

RT: 22.76 min Scan# 3395

Delta R.T. 0.01 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

Instrument :

BNA_P

ClientSampleId :

OK-01-010220

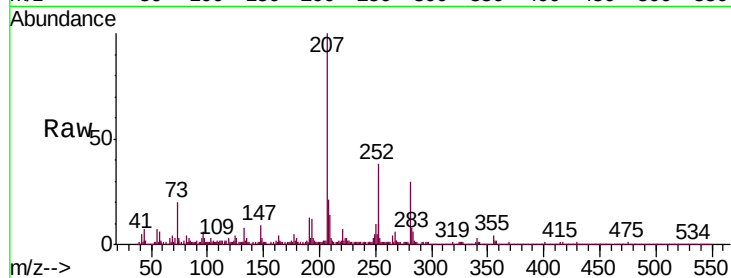
Tgt Ion:252 Resp: 94793

Ion Ratio Lower Upper

252 100

253 25.3 16.7 25.1#

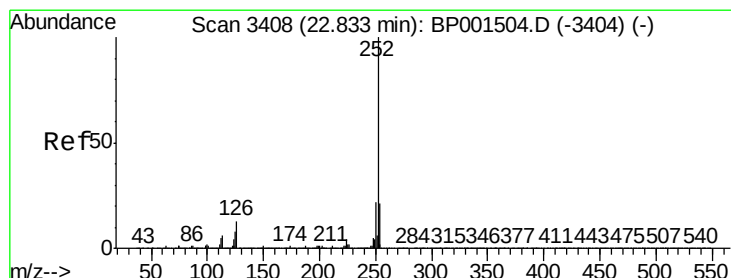
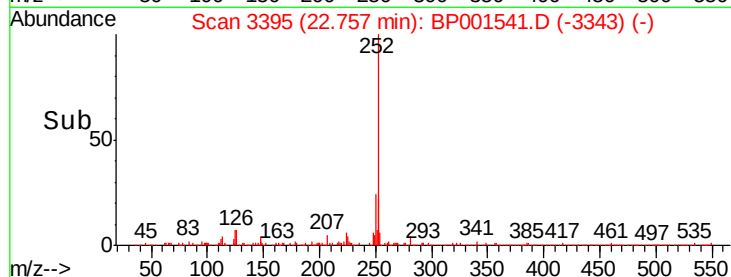
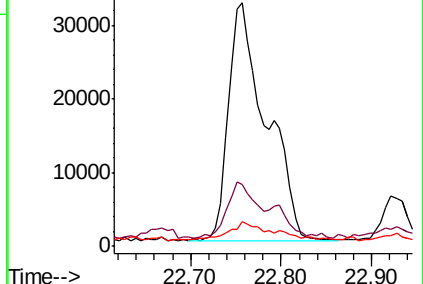
125 10.3 4.2 6.2#



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: 6.049 ng

RT: 22.76 min Scan# 3395

Delta R.T. -0.04 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

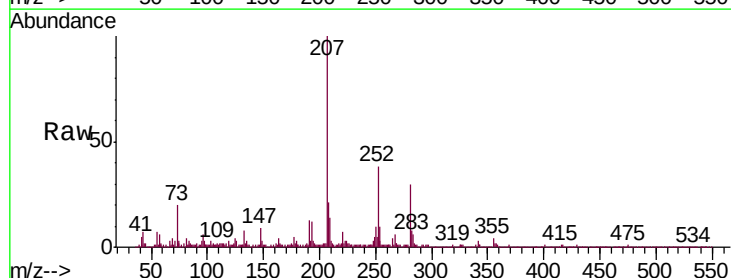
Tgt Ion:252 Resp: 94793

Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

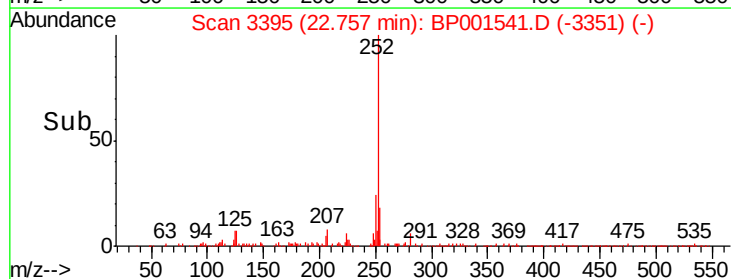
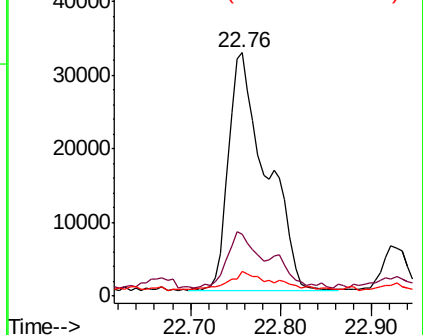
125 10.3 4.8 7.2#

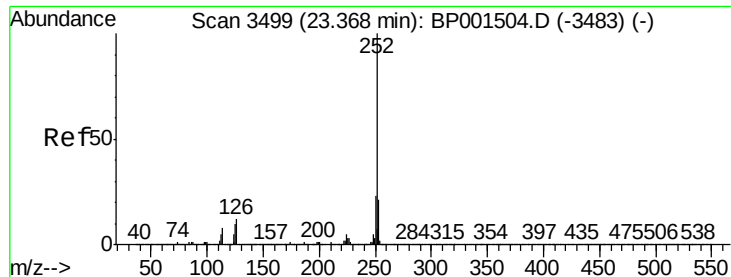


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.497 ng

RT: 23.33 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

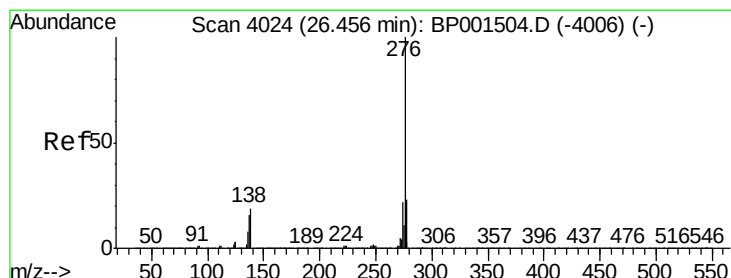
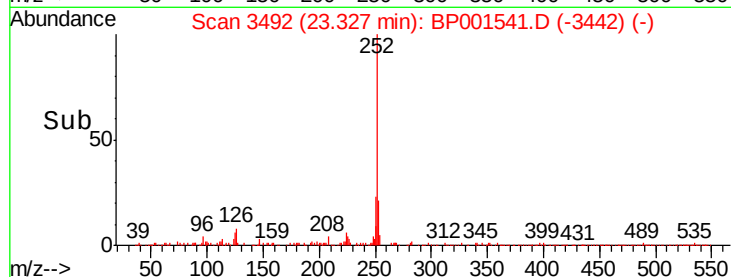
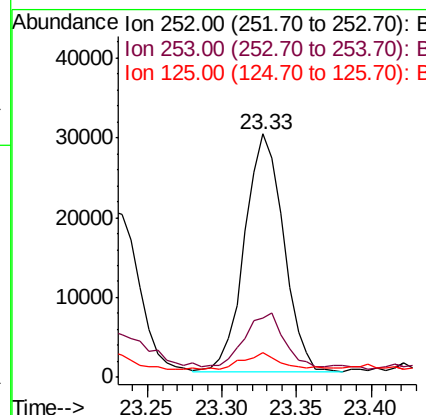
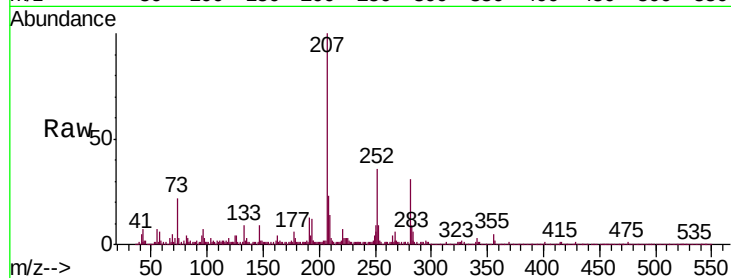
Instrument :

BNA_P

ClientSampleId :

OK-01-010220

Tgt Ion:	252	Resp:	53549
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.8	26.8
125	9.9	4.6	6.8#



#92

Benzo(g,h,i)perylene

Concen: 2.415 ng

RT: 26.39 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BP001541.D

Acq: 06 Jan 2020 21:35

Tgt Ion:	276	Resp:	36657
Ion Ratio	Lower	Upper	
276	100		
277	28.5	18.9	28.3#
138	13.2	10.1	15.1

