

Data File : BP001527.D
Acq On : 04 Jan 2020 02:16
Operator : JU
Sample : L1011-02 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B3

Quant Time: Jan 04 03:04:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 03 15:57:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	61218	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	230942	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	150044	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	338510	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	303492	20.00	ng	-0.02
87) Perylene-d12	23.44	264	324730	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	72279	19.84	ng	0.02
7) Phenol-d6	6.90	99	101914	20.76	ng	0.02
23) Nitrobenzene-d5	8.84	82	63015	13.48	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	33653	19.82	ng	-0.01
45) 2-Fluorobiphenyl	12.95	172	131831	12.92	ng	-0.02
79) Terphenyl-d14	19.67	244	201183	13.21	ng	-0.01

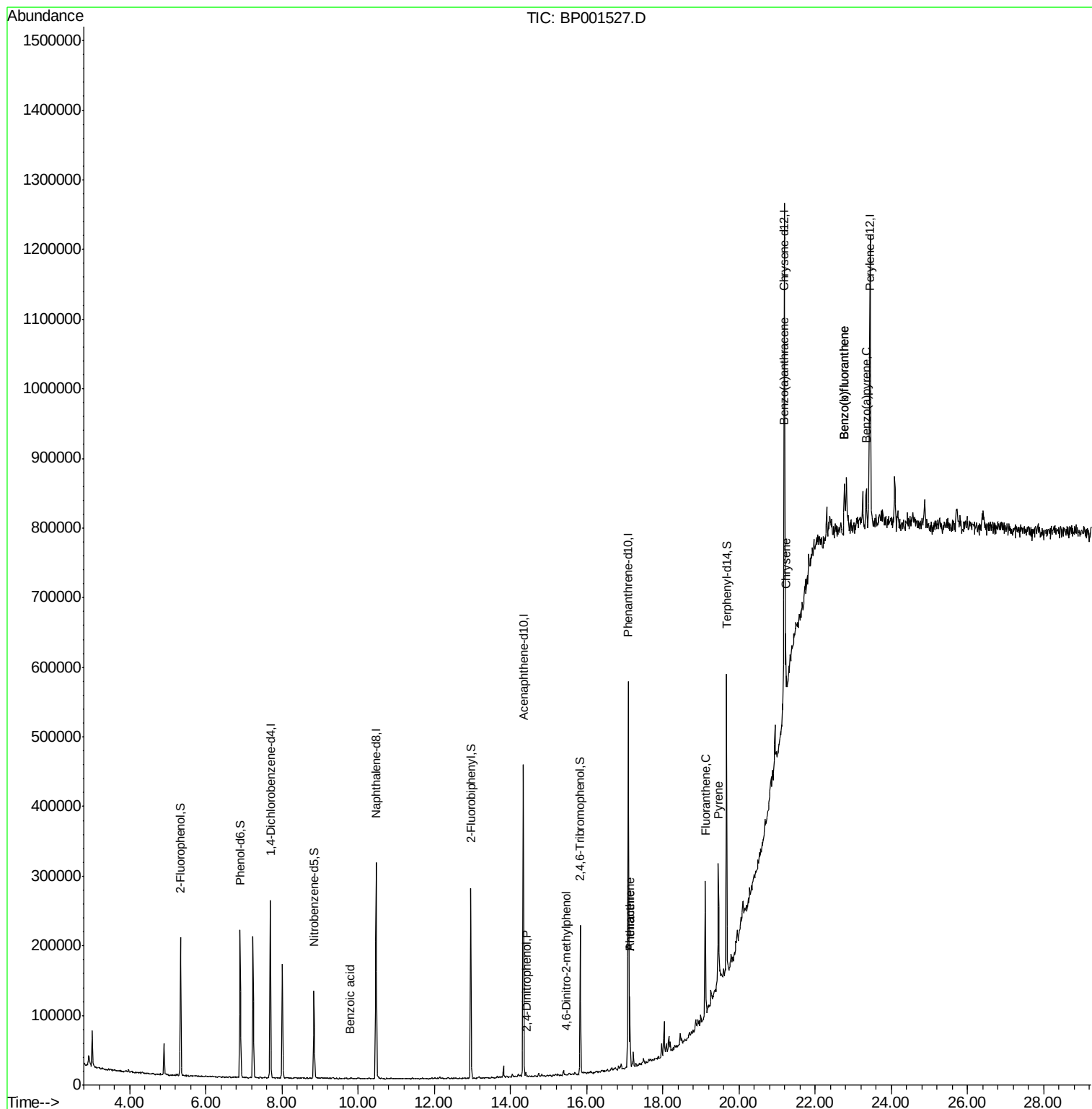
Target Compounds				Qvalue		
9) Benzaldehyde	6.86	77	323	Below Cal	#	41
32) Benzoic acid	9.78	122	100	7.807 ng	#	31
54) 2,4-Dinitrophenol	14.43	184	6	6.455 ng	#	1
65) 4,6-Dinitro-2-methylphenol	15.45	198	11	5.877 ng	#	1
71) Phenanthrene	17.13	178	60646	3.303 ng		99
72) Anthracene	17.13	178	60646	3.333 ng		99
75) Fluoranthene	19.11	202	110024	4.950 ng		99
78) Pyrene	19.46	202	107351	4.874 ng		98
81) Benzo(a)anthracene	21.17	228	53029	2.490 ng		96
83) Chrysene	21.22	228	50553	2.476 ng		95
88) Benzo(b)fluoranthene	22.76	252	60487	3.008 ng	#	88
89) Benzo(k)fluoranthene	22.76	252	60487	3.141 ng	#	87
90) Benzo(a)pyrene	23.33	252	45612	2.423 ng		94

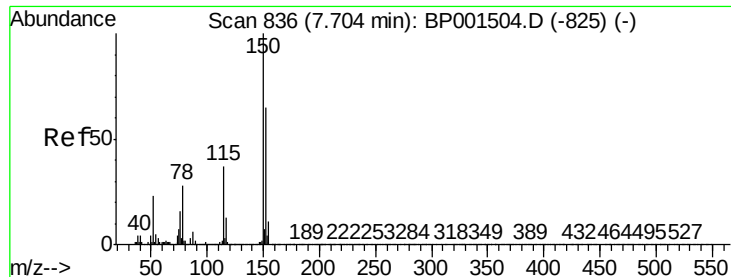
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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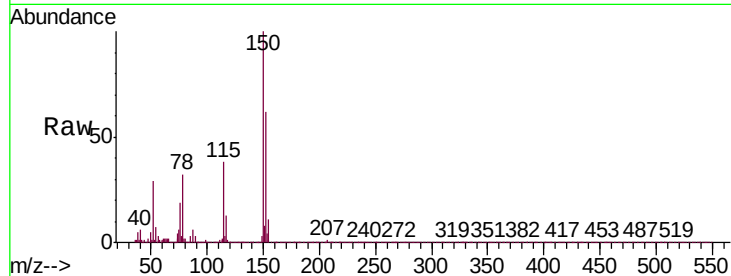


#1

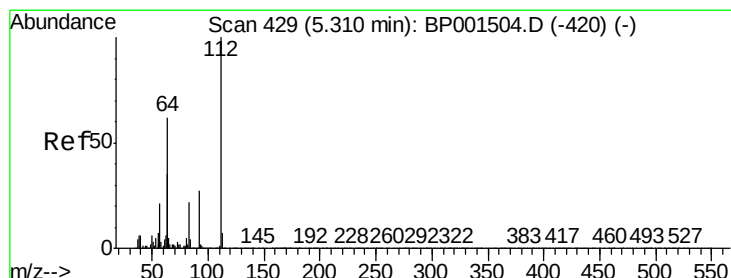
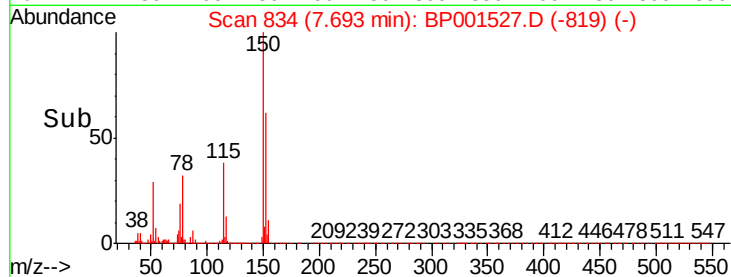
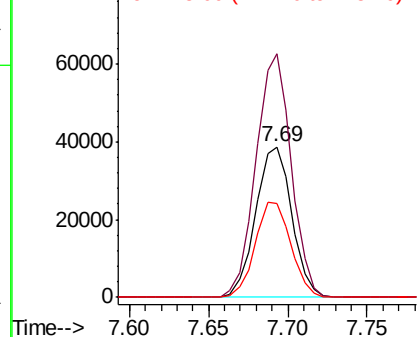
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 834
Delta R.T. -0.01 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.6	123.6	185.4
115	62.2	45.8	68.6



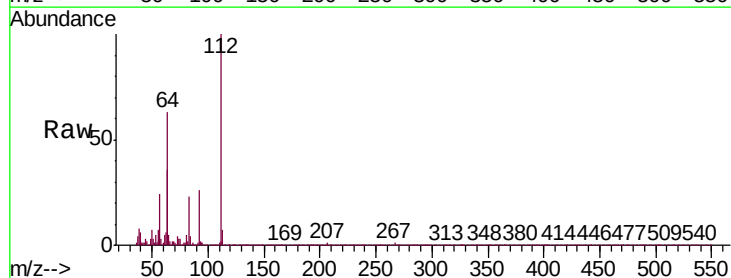
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



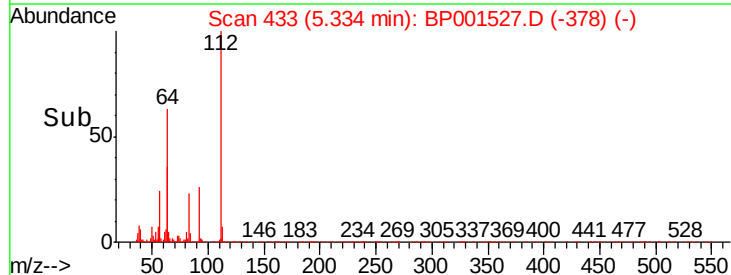
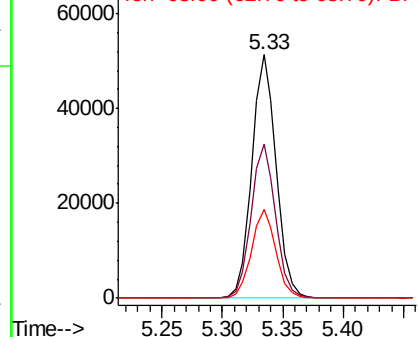
#5

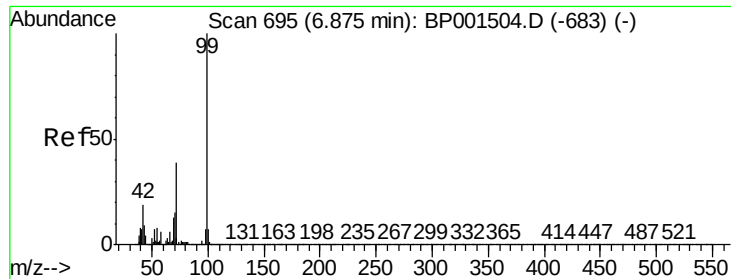
2-Fluorophenol
Concen: 19.836 ng
RT: 5.33 min Scan# 433
Delta R.T. 0.02 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	49.7	74.5
63	36.3	28.1	42.1



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: 20.765 ng

RT: 6.90 min Scan# 699

Delta R.T. 0.02 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B3

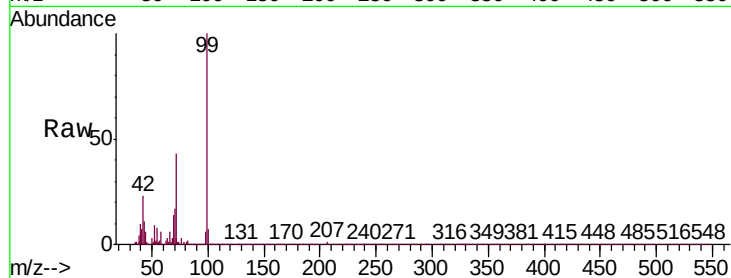
Tgt Ion: 99 Resp: 101914

Ion Ratio Lower Upper

99 100

42 22.5 15.3 22.9

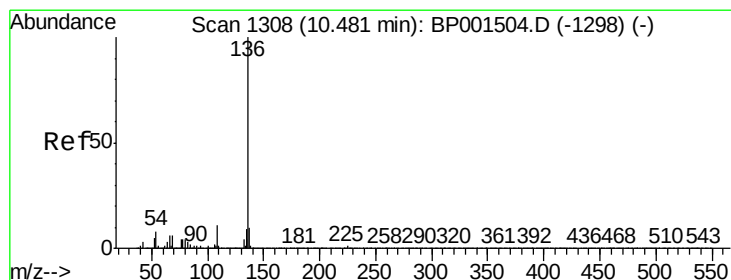
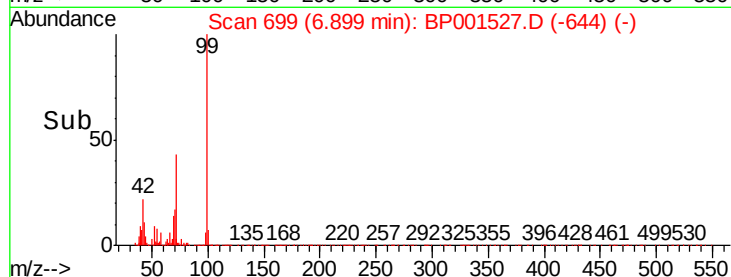
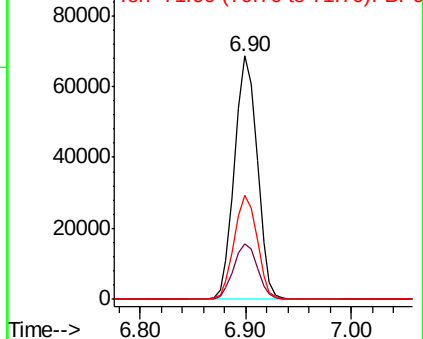
71 42.9 30.9 46.3



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: 10.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

Tgt Ion: 136 Resp: 230942

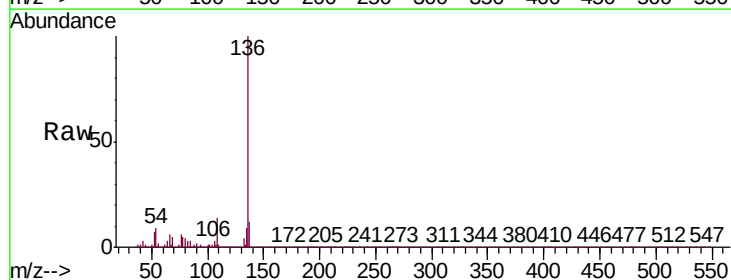
Ion Ratio Lower Upper

136 100

137 11.5 8.3 12.5

54 9.3 6.7 10.1

68 5.1 4.4 6.6

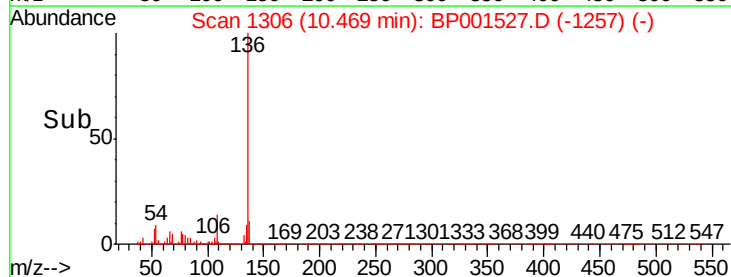
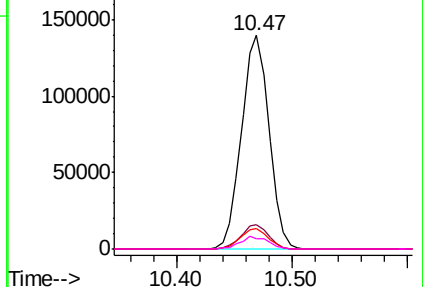


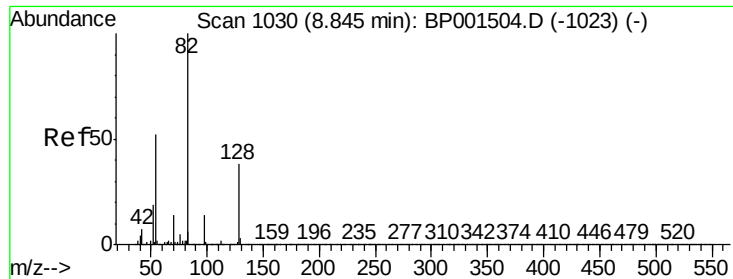
Abundance Ion 136.00 (135.70 to 136.70): E

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

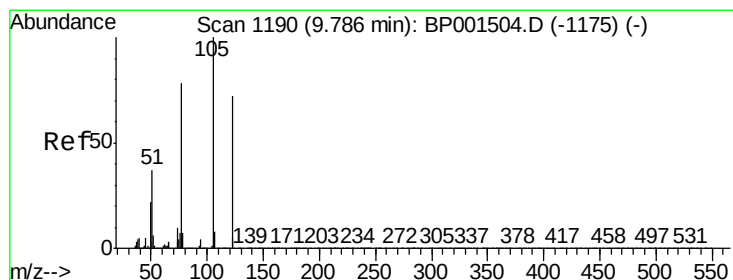
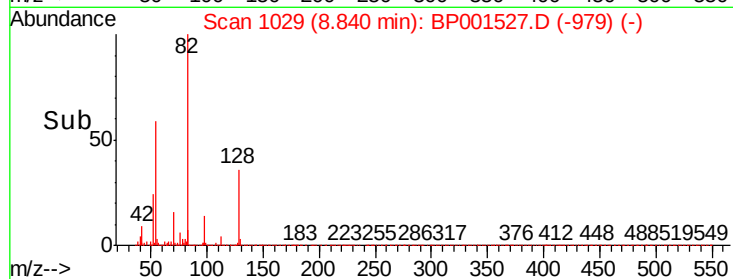
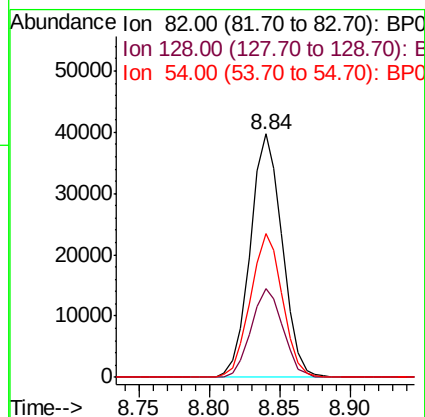
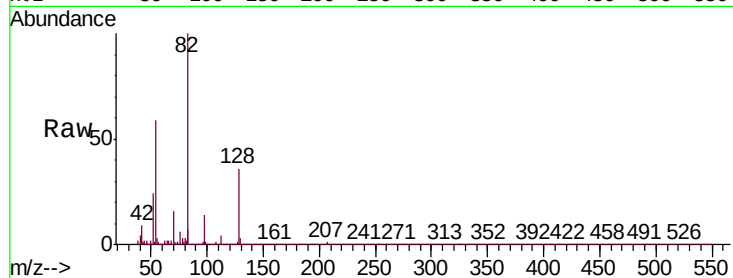




#23
Nitrobenzene-d5
Concen: 13.477 ng
RT: 8.84 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

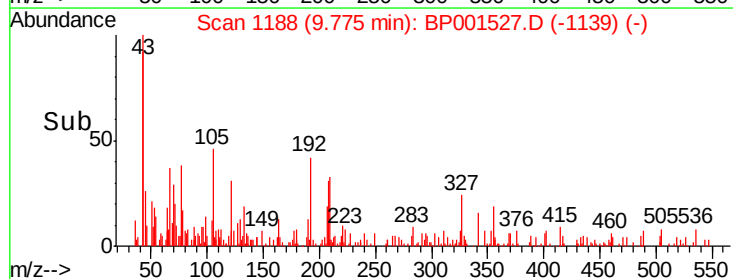
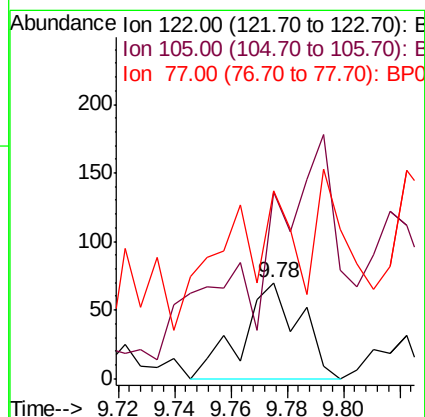
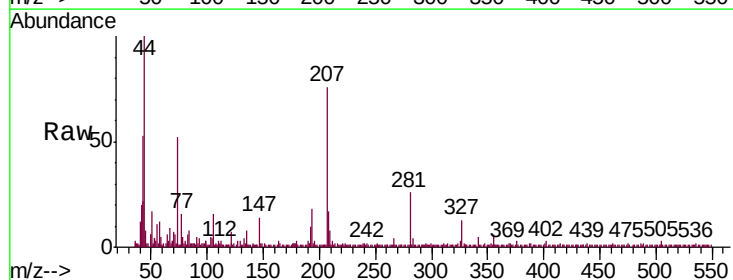
Instrument :
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MC-010220-0-2-COMP-B3

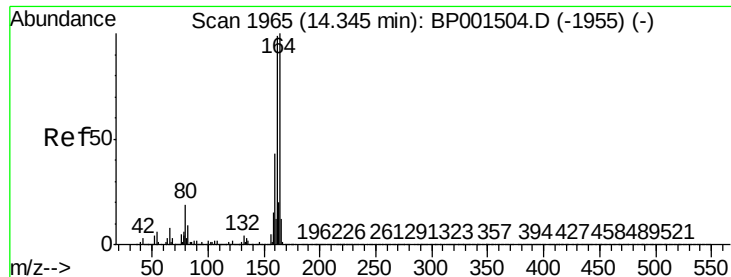
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.3	30.1	45.1
54	59.3	41.8	62.6



#32
Benzoic acid
Concen: 7.807 ng
RT: 9.78 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

Tgt Ion	Ratio	Lower	Upper
122	100		
105	194.3	111.1	151.1#
77	195.7	85.9	125.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.33 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B3

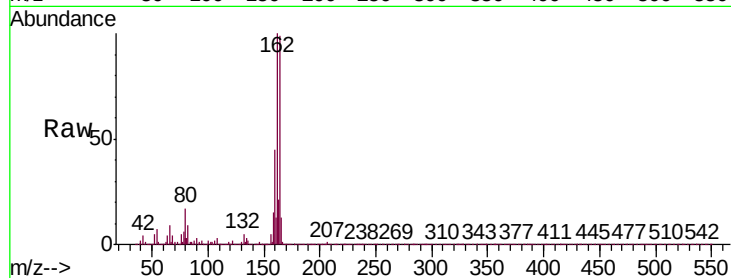
Tgt Ion:164 Resp: 150044

Ion Ratio Lower Upper

164 100

162 101.2 79.2 118.8

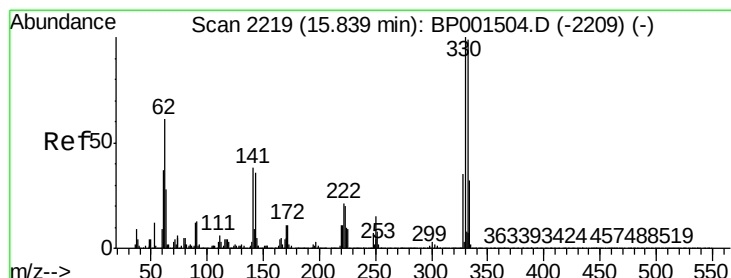
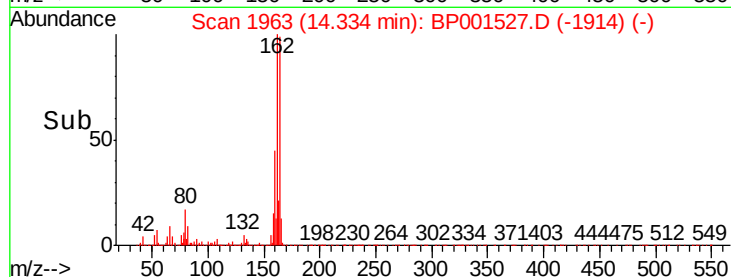
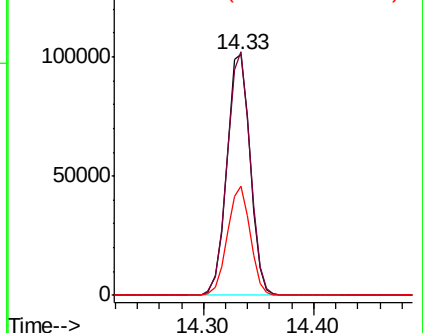
160 45.6 34.6 52.0



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: 19.817 ng

RT: 15.83 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

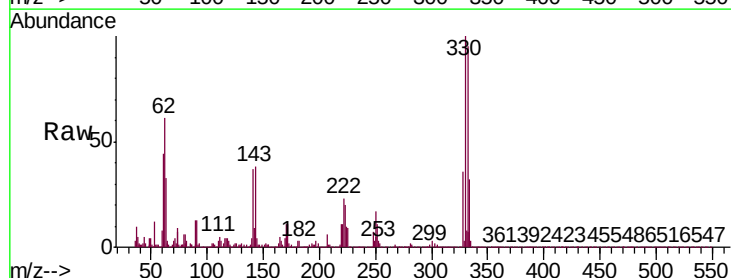
Tgt Ion:330 Resp: 33653

Ion Ratio Lower Upper

330 100

332 96.6 78.2 117.2

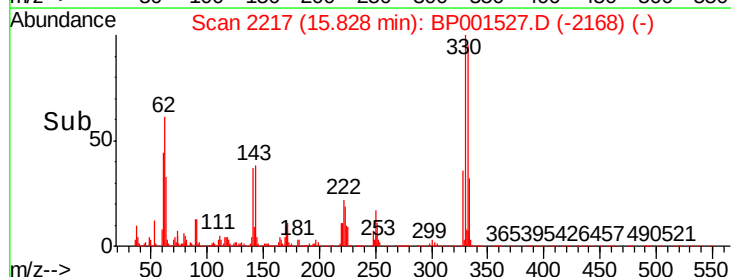
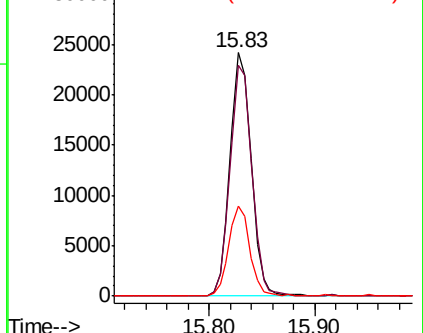
141 37.0 30.3 45.5

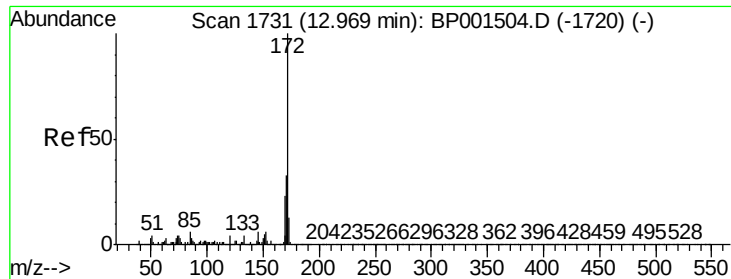


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

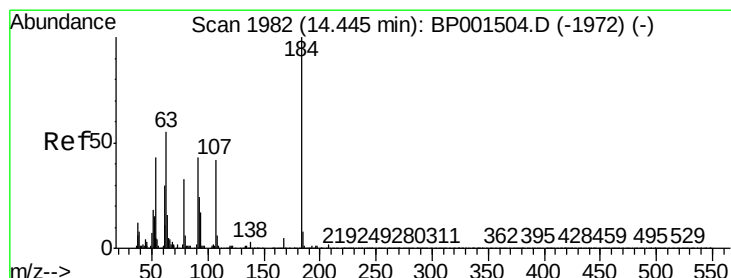
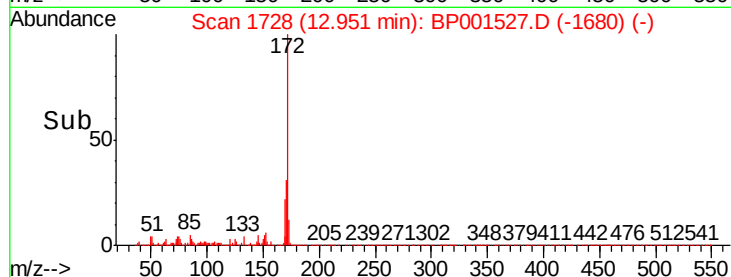
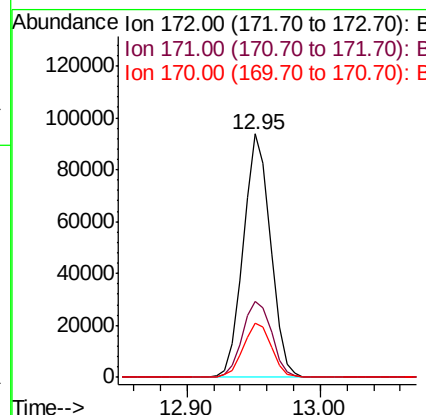
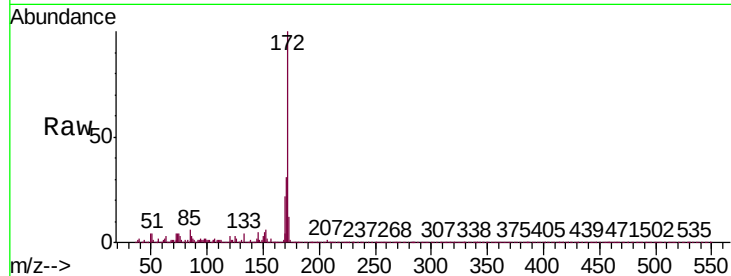




#45
2-Fluorobiphenyl
Concen: 12.919 ng
RT: 12.95 min Scan# 1728
Delta R.T. -0.02 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

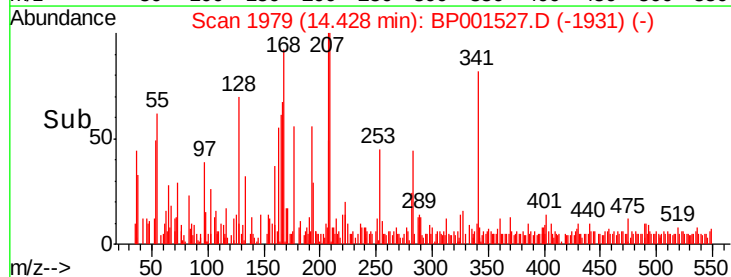
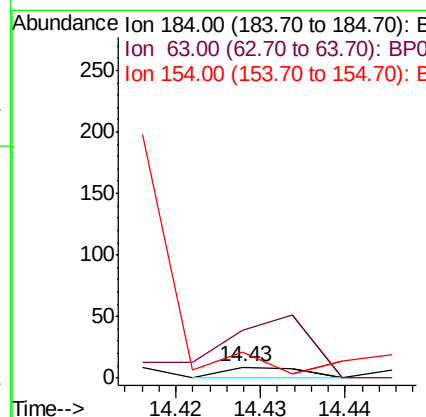
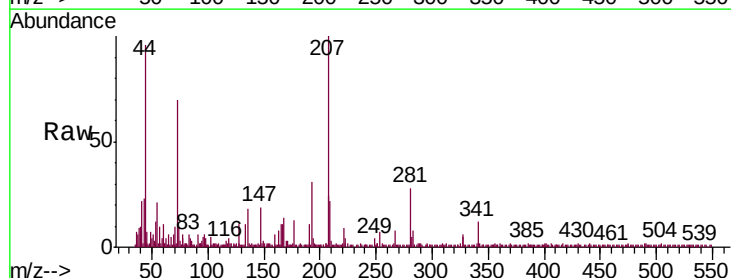
Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B3

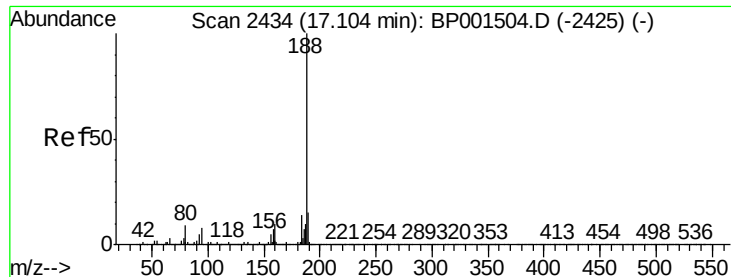
Tgt Ion:172 Resp: 131831
Ion Ratio Lower Upper
172 100
171 31.3 26.7 40.1
170 22.4 18.7 28.1



#54
2,4-Dinitrophenol
Concen: 6.455 ng
RT: 14.43 min Scan# 1979
Delta R.T. -0.02 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

Tgt Ion:184 Resp: 6
Ion Ratio Lower Upper
184 100
63 433.3 50.0 75.0#
154 233.3 49.2 73.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.09 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B3

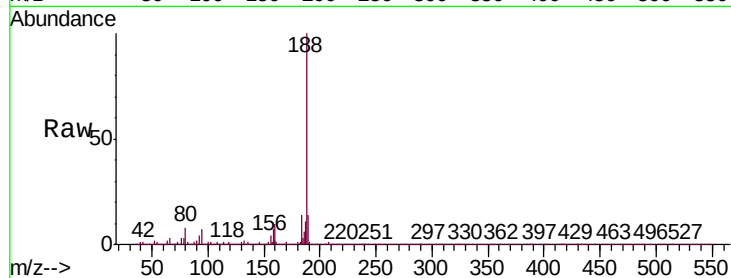
Tgt Ion:188 Resp: 338510

Ion Ratio Lower Upper

188 100

94 6.9 6.5 9.7

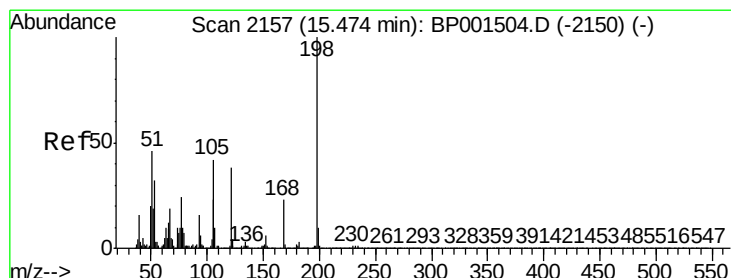
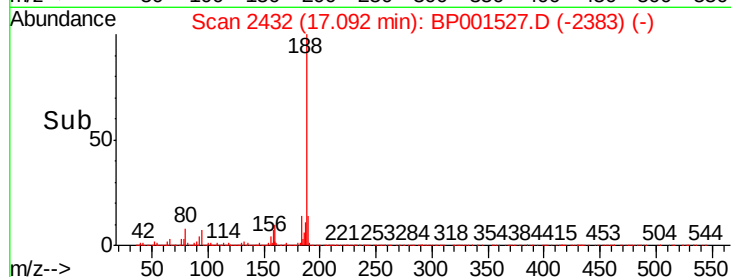
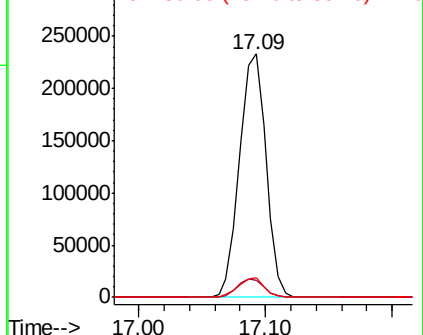
80 7.8 7.3 10.9



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: 5.877 ng

RT: 15.45 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

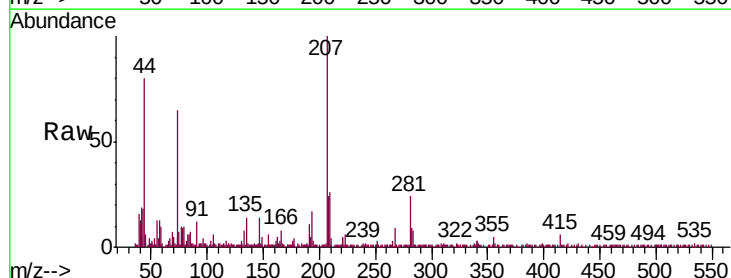
Tgt Ion:198 Resp: 11

Ion Ratio Lower Upper

198 100

51 236.8 26.9 66.9#

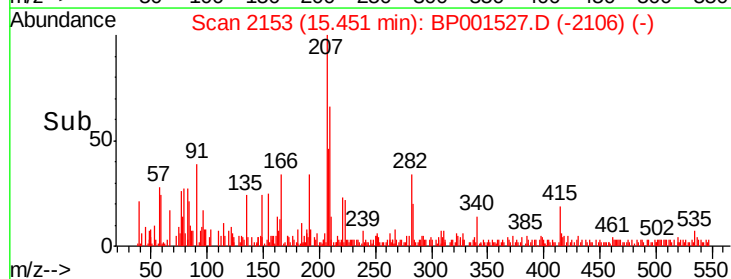
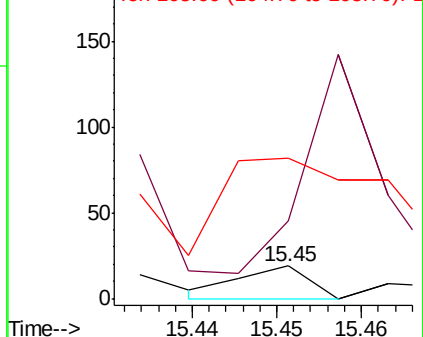
105 431.6 22.5 62.5#

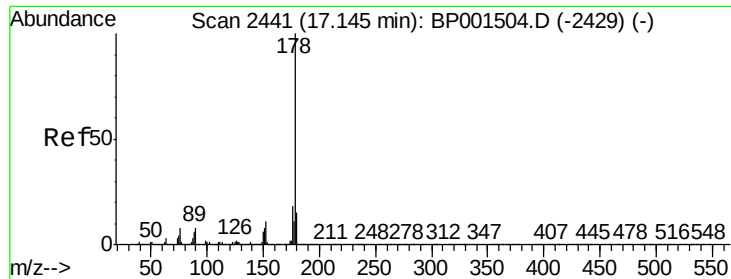


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

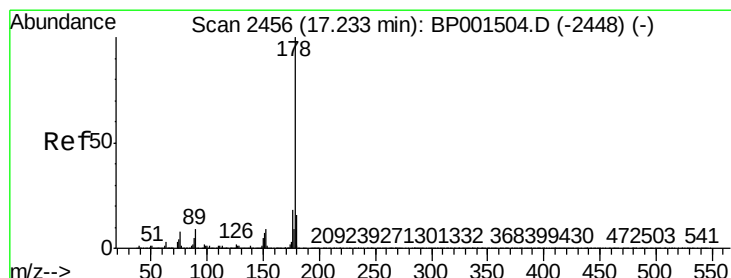
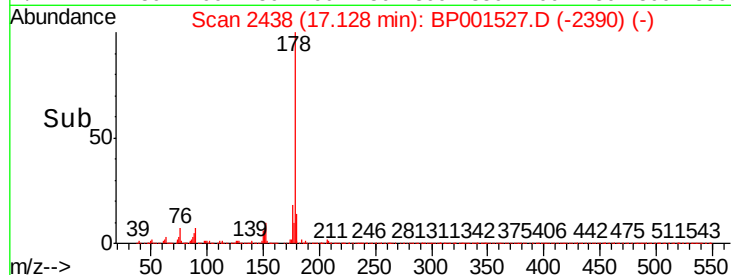
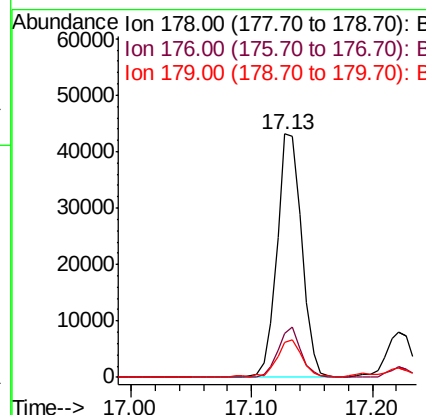
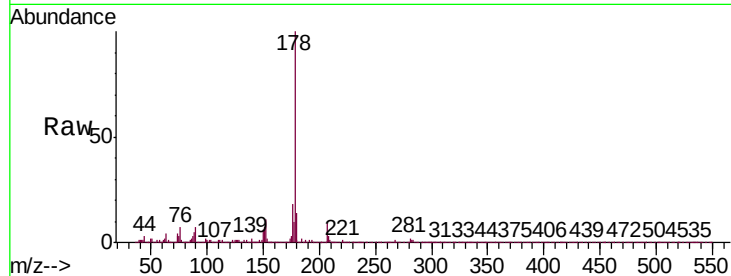




#71
Phenanthrene
Concen: 3.303 ng
RT: 17.13 min Scan# 2438
Delta R.T. -0.02 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

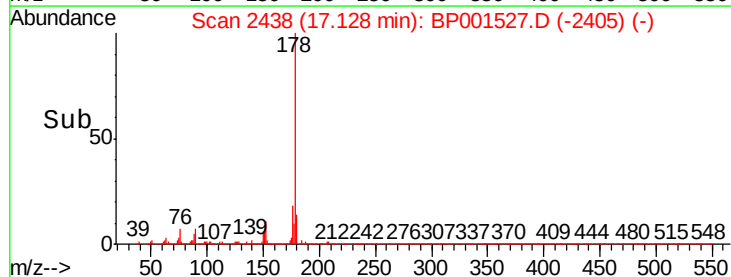
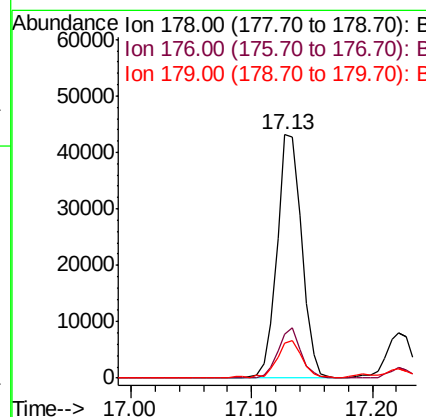
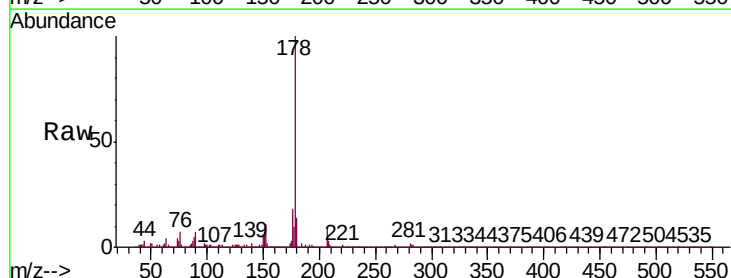
Instrument :
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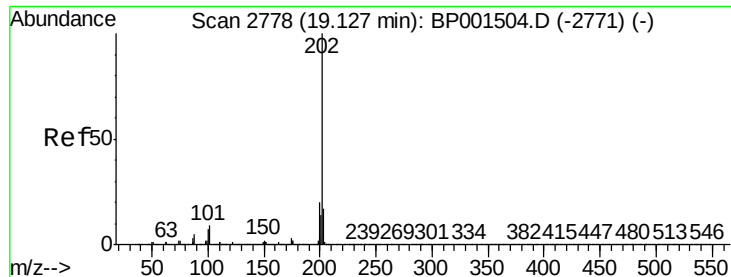
Tgt Ion:178 Resp: 60646
Ion Ratio Lower Upper
178 100
176 18.1 14.6 22.0
179 14.4 12.3 18.5



#72
Anthracene
Concen: 3.333 ng
RT: 17.13 min Scan# 2438
Delta R.T. -0.11 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

Tgt Ion:178 Resp: 60646
Ion Ratio Lower Upper
178 100
176 18.1 14.4 21.6
179 14.4 12.5 18.7





#75

Fluoranthene

Concen: 4.950 ng

RT: 19.11 min Scan# 2775

Delta R.T. -0.02 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

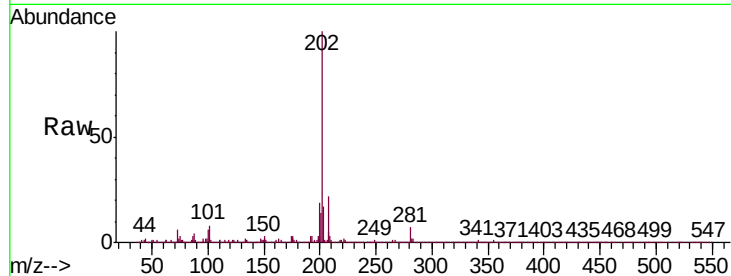
Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B3

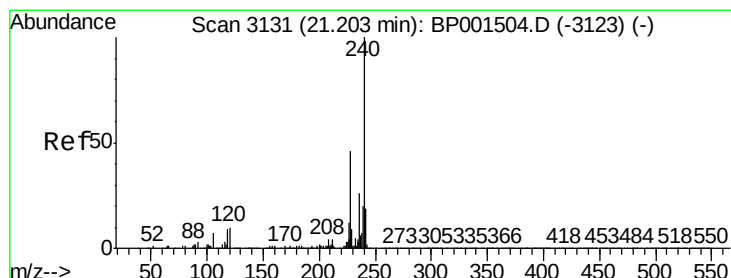
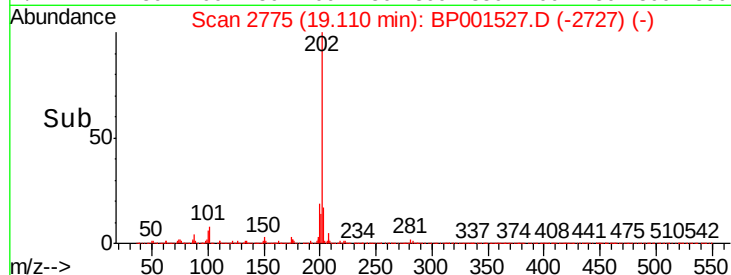
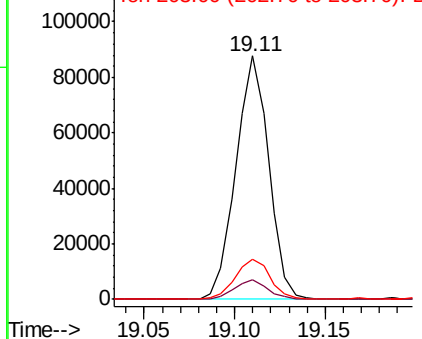
Tgt Ion:	202	Resp:	110024
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	29.3
203	16.7	0.0	36.7



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

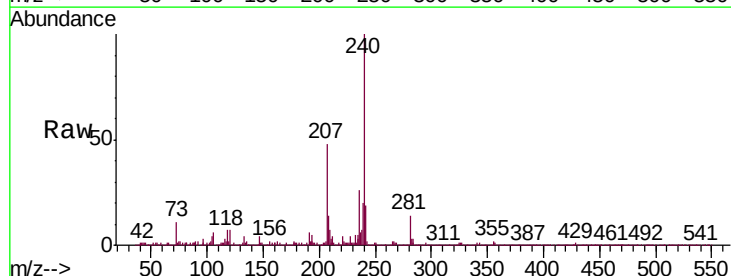
RT: 21.19 min Scan# 3128

Delta R.T. -0.02 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

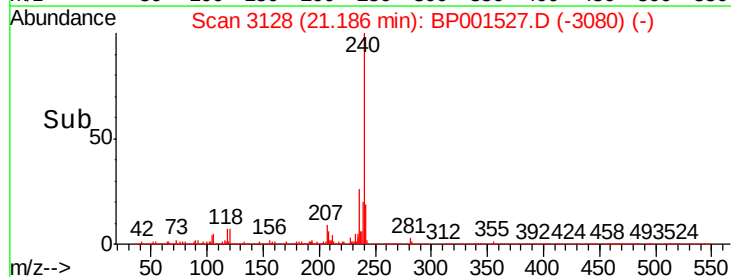
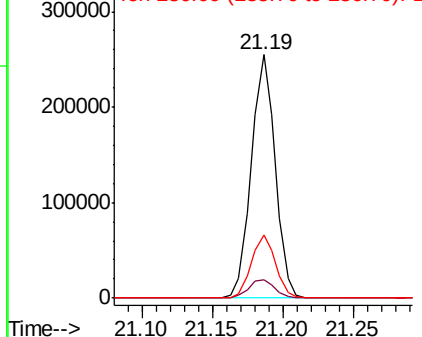
Tgt Ion:	240	Resp:	303492
Ion Ratio	Lower	Upper	
240	100		
120	7.5	8.1	12.1#
236	26.0	20.9	31.3

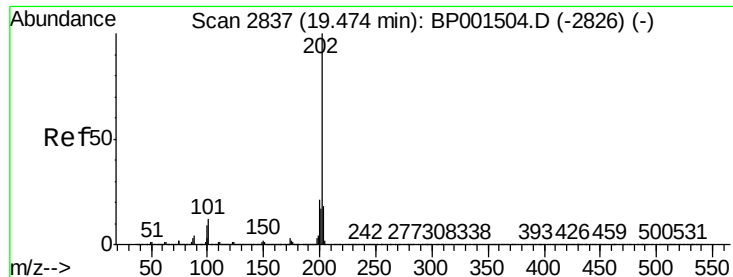


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 4.874 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

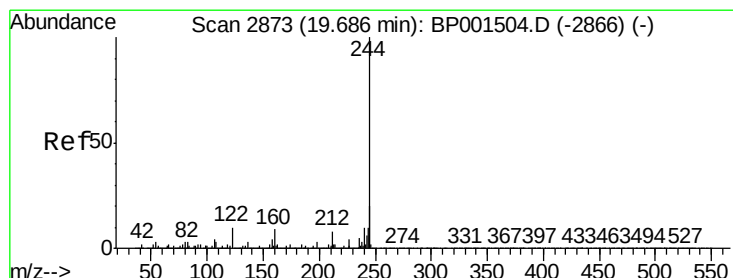
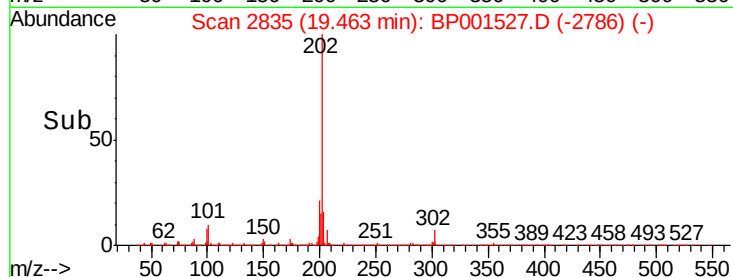
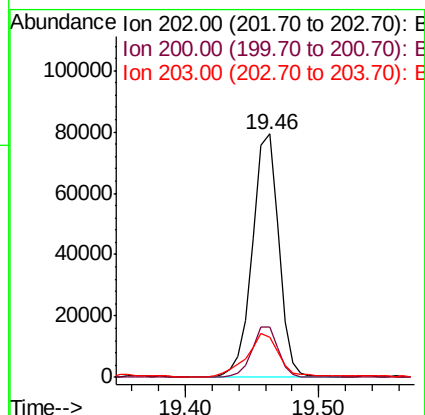
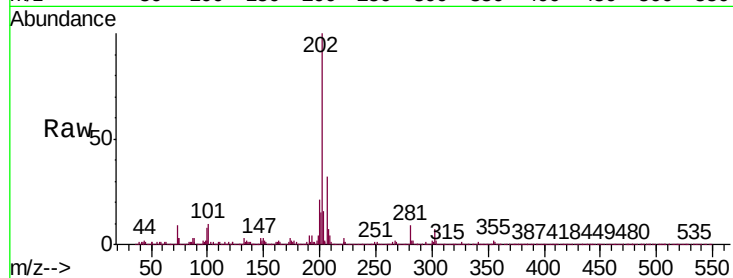
Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B3

Tgt Ion:	202	Resp:	107351
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.4	24.6
203	16.4	14.2	21.2



#79

Terphenyl-d14

Concen: 13.211 ng

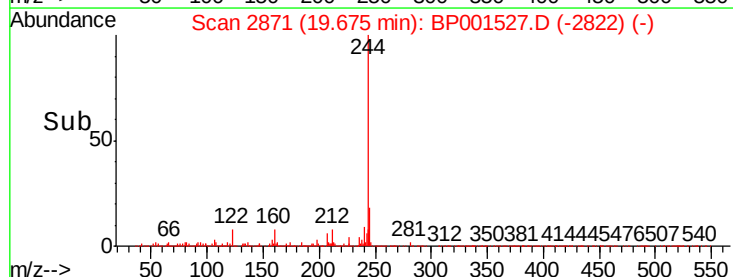
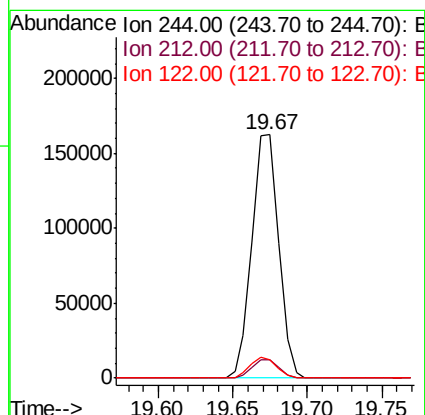
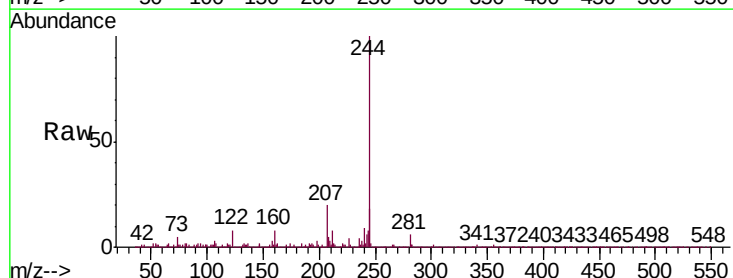
RT: 19.67 min Scan# 2871

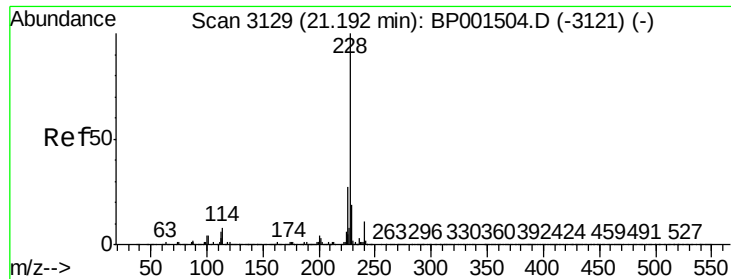
Delta R.T. -0.01 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

Tgt Ion:	244	Resp:	201183
Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.6	9.8
122	7.8	7.8	11.6

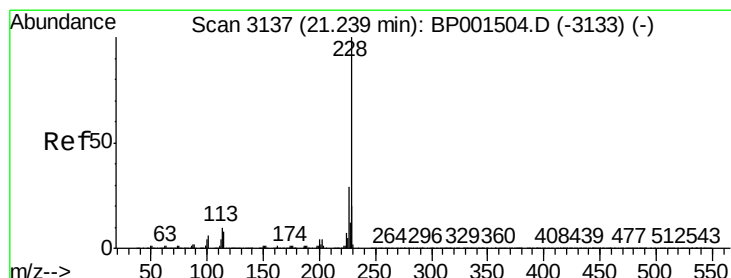
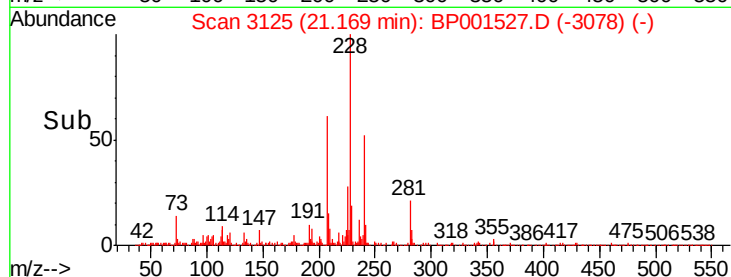
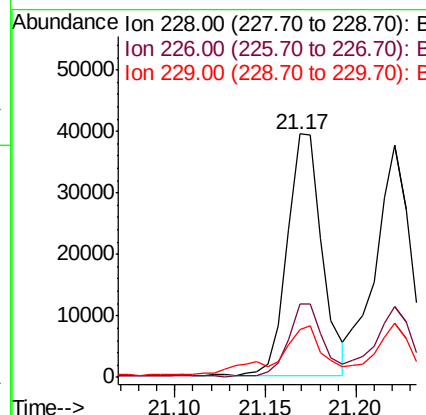
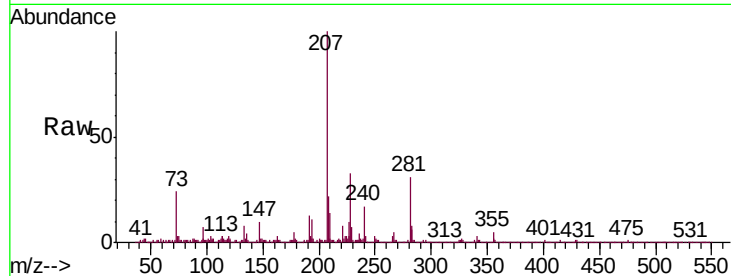




#81
Benzo(a)anthracene
Concen: 2.490 ng
RT: 21.17 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

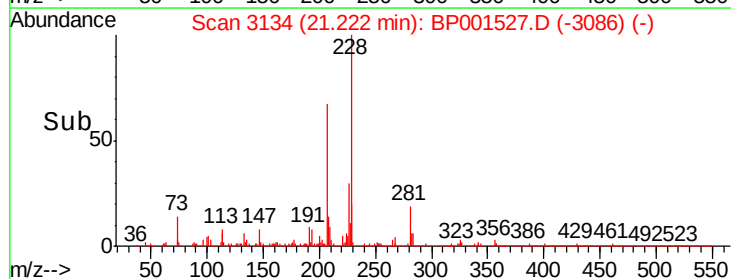
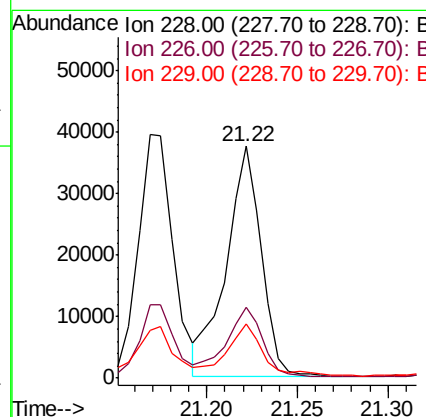
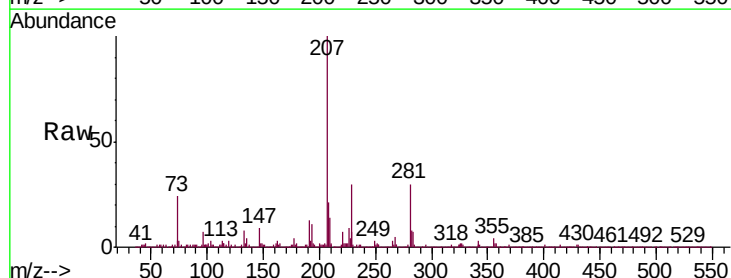
Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B3

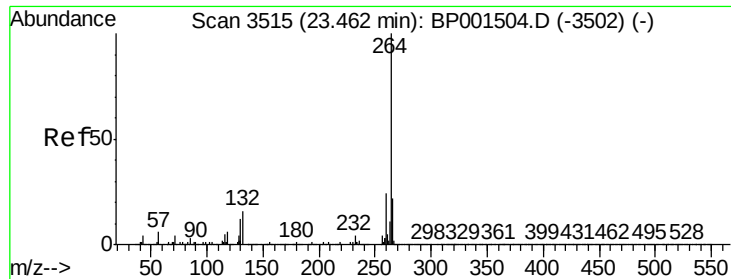
Tgt Ion: 228 Resp: 53029
Ion Ratio Lower Upper
228 100
226 29.9 21.5 32.3
229 19.8 15.4 23.2



#83
Chrysene
Concen: 2.476 ng
RT: 21.22 min Scan# 3134
Delta R.T. -0.02 min
Lab File: BP001527.D
Acq: 04 Jan 2020 02:16

Tgt Ion: 228 Resp: 50553
Ion Ratio Lower Upper
228 100
226 30.8 23.0 34.6
229 23.2 15.7 23.5





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.44 min Scan# 3511

Delta R.T. -0.02 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B3

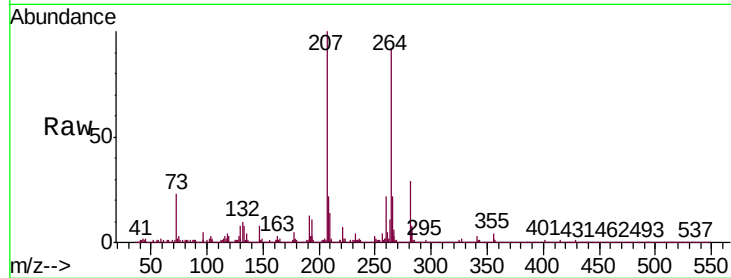
Tgt Ion:264 Resp: 324730

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

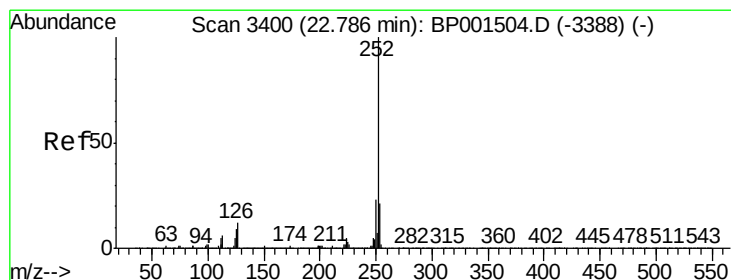
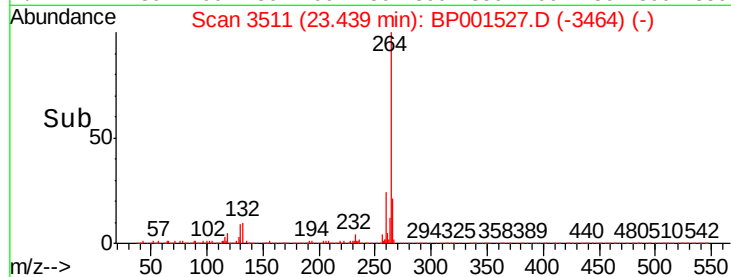
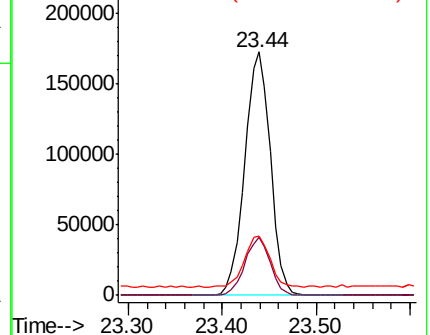
265 24.4 17.2 25.8



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: 3.008 ng

RT: 22.76 min Scan# 3396

Delta R.T. -0.02 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

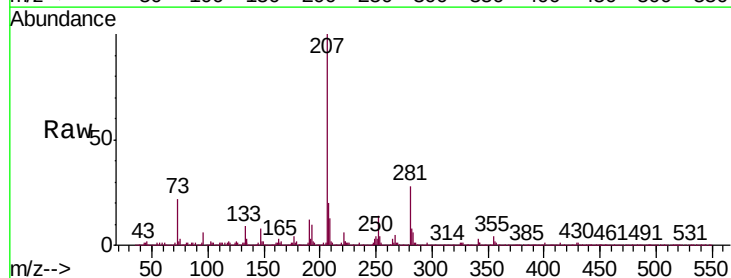
Tgt Ion:252 Resp: 60487

Ion Ratio Lower Upper

252 100

253 28.7 17.0 25.6#

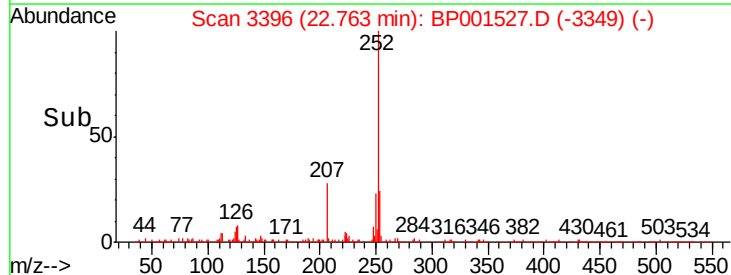
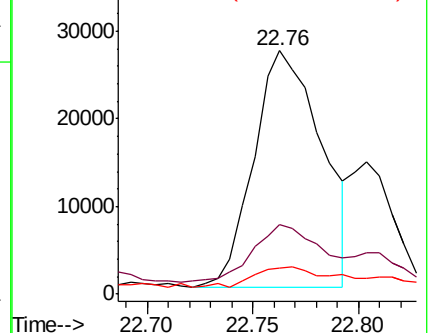
125 10.8 7.2 10.8

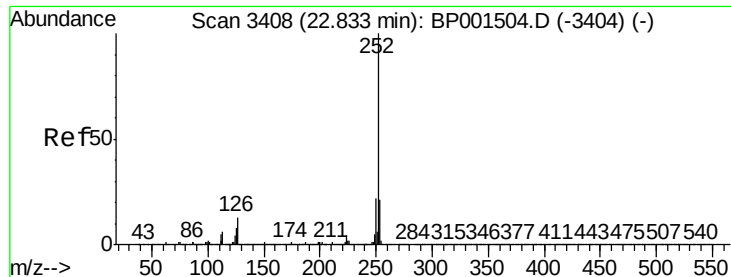


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.141 ng

RT: 22.76 min Scan# 3396

Delta R.T. -0.07 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

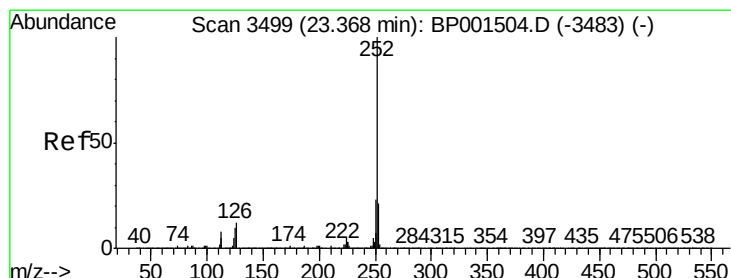
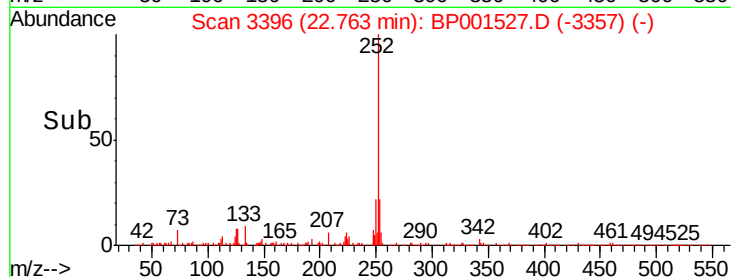
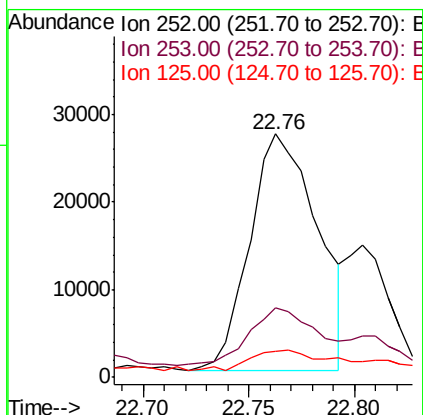
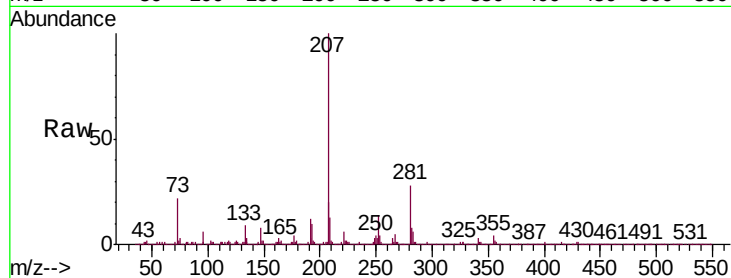
Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B3

Tgt Ion:	252	Resp:	60487
Ion Ratio	Lower	Upper	
252	100		
253	28.7	17.0	25.6#
125	10.8	6.6	10.0#



#90

Benzo(a)pyrene

Concen: 2.423 ng

RT: 23.33 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BP001527.D

Acq: 04 Jan 2020 02:16

Tgt Ion:	252	Resp:	45612
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.1	25.7
125	10.4	7.7	11.5

