

Data File : BP001525.D
Acq On : 04 Jan 2020 01:09
Operator : JU
Sample : K6471-10 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Quant Time: Jan 04 03:03:36 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	62175	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	238871	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	154043	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	342778	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	298375	20.00	ng	-0.01
87) Perylene-d12	23.44	264	316338	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	81054	21.90	ng	0.02
7) Phenol-d6	6.90	99	113572	22.78	ng	0.03
23) Nitrobenzene-d5	8.85	82	69325	14.33	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	37934	21.76	ng	0.00
45) 2-Fluorobiphenyl	12.96	172	156187	14.91	ng	-0.01
79) Terphenyl-d14	19.67	244	250774	16.75	ng	-0.01

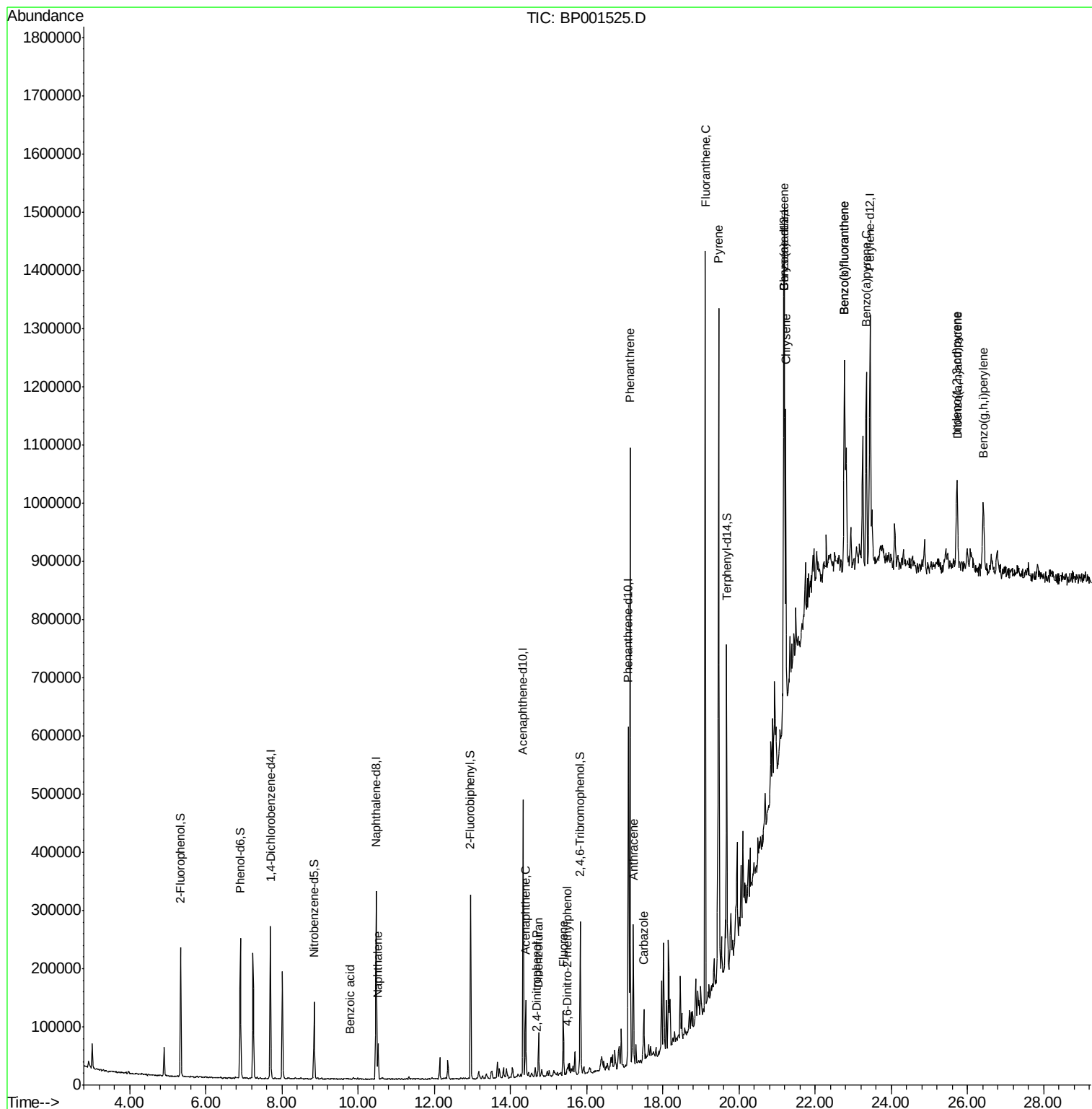
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.80	77	334	Below Cal		# 40
31) Naphthalene	10.52	128	46315	3.686	ng	99
32) Benzoic acid	9.78	122	171	7.833	ng	# 64
52) Acenaphthene	14.40	154	44578	4.898	ng	97
54) 2,4-Dinitrophenol	14.68	184	16	6.464	ng	91
55) Dibenzofuran	14.73	168	40779	2.925	ng	98
58) Fluorene	15.39	166	43234	4.071	ng	93
65) 4,6-Dinitro-2-methylphenol	15.47	198	28	5.889	ng	# 1
71) Phenanthrene	17.13	178	626486	33.697	ng	99
72) Anthracene	17.22	178	146701	7.961	ng	99
73) Carbazole	17.50	167	51176	3.002	ng	98
75) Fluoranthene	19.12	202	778326	34.583	ng	98
78) Pyrene	19.46	202	705855	32.600	ng	99
81) Benzo(a)anthracene	21.17	228	322918	15.424	ng	97
83) Chrysene	21.23	228	292738	14.583	ng	98
86) Indeno(1,2,3-cd)pyrene	25.72	276	161806	6.623	ng	# 92
88) Benzo(b)fluoranthene	22.77	252	339134	17.314	ng	94
89) Benzo(k)fluoranthene	22.77	252	339134	18.075	ng	95
90) Benzo(a)pyrene	23.34	252	263681	14.381	ng	93
91) Dibenzo(a,h)anthracene	25.74	278	42697	2.343	ng	# 83
92) Benzo(g,h,i)perylene	26.42	276	158549	8.724	ng	98

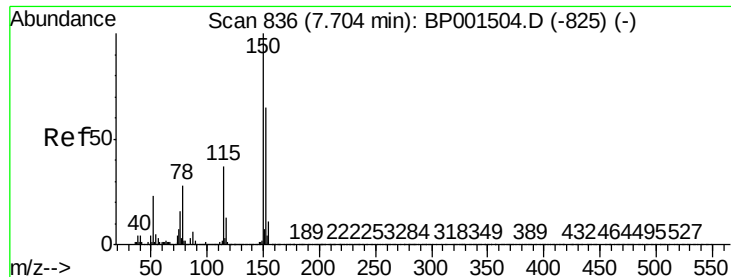
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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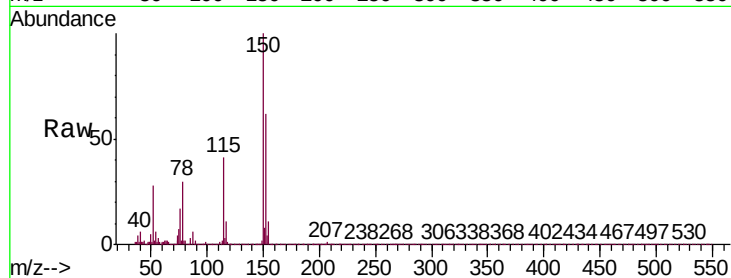


#1

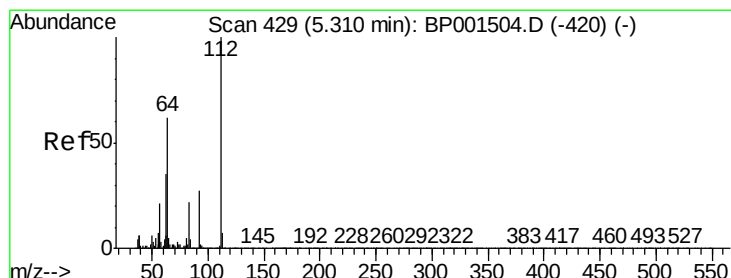
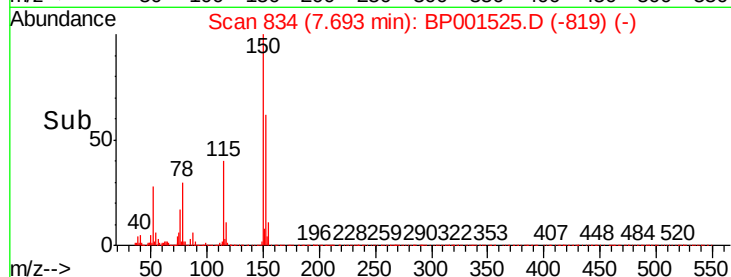
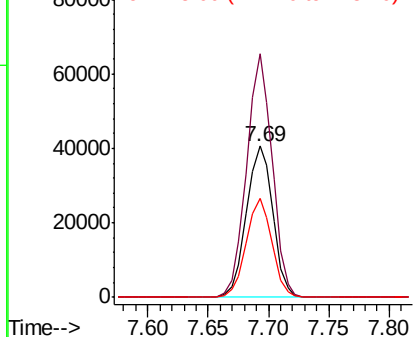
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 834
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
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ClientSampleId :
MC-123019-0-2-COMP-B2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.9	123.6	185.4
115	65.2	45.8	68.6



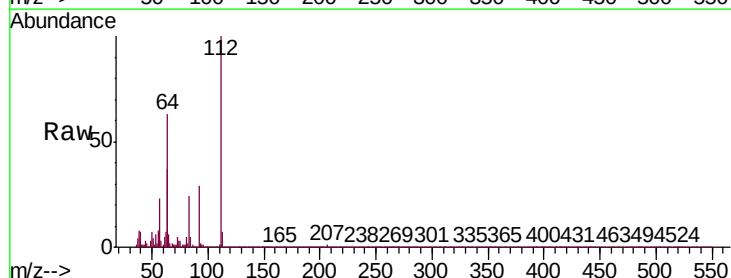
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



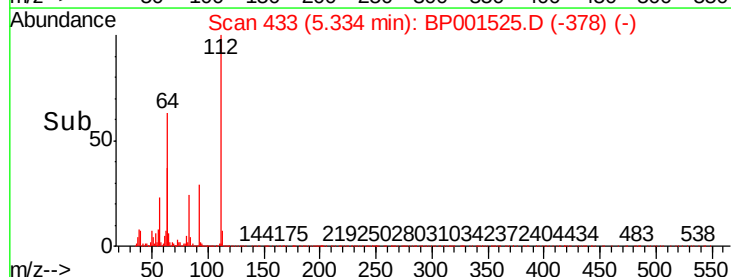
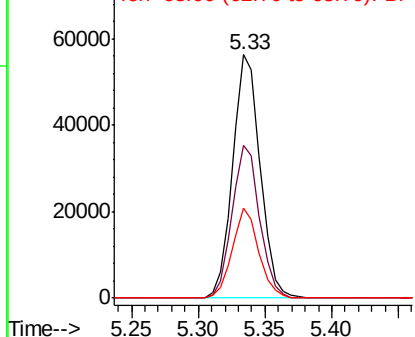
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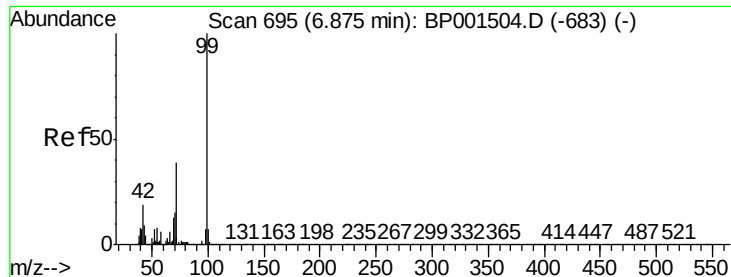
2-Fluorophenol
Concen: 21.901 ng
RT: 5.33 min Scan# 433
Delta R.T. 0.02 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.7	74.5
63	37.0	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: 22.784 ng

RT: 6.90 min Scan# 700

Delta R.T. 0.03 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B2

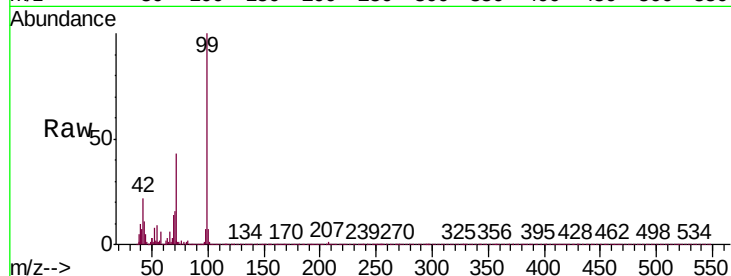
Tgt Ion: 99 Resp: 113572

Ion Ratio Lower Upper

99 100

42 22.2 15.3 22.9

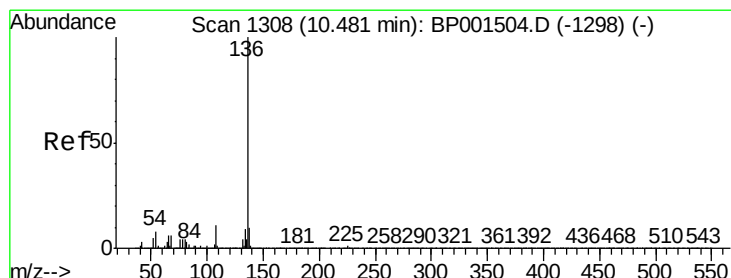
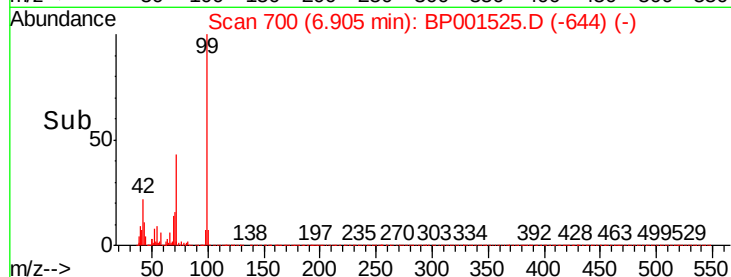
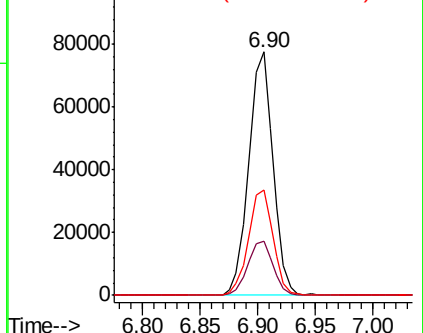
71 43.3 30.9 46.3



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: BP001525.D

Acq: 04 Jan 2020 01:09

Tgt Ion: 136 Resp: 238871

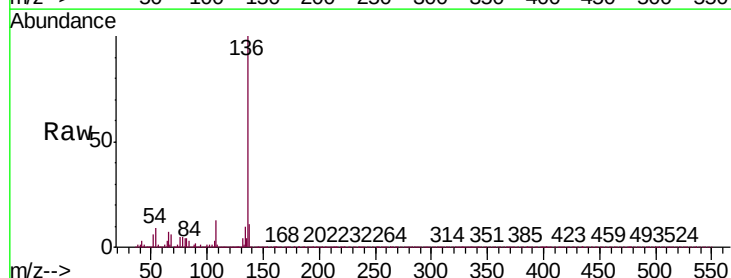
Ion Ratio Lower Upper

136 100

137 10.7 8.3 12.5

54 9.3 6.7 10.1

68 5.7 4.4 6.6

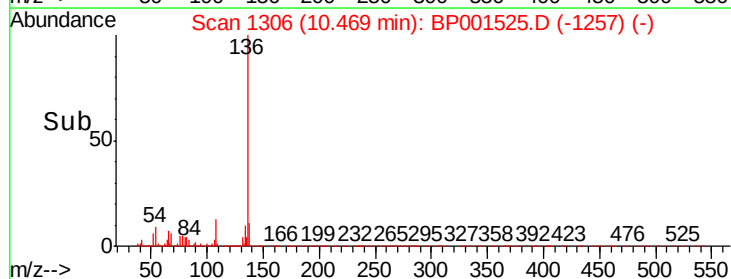
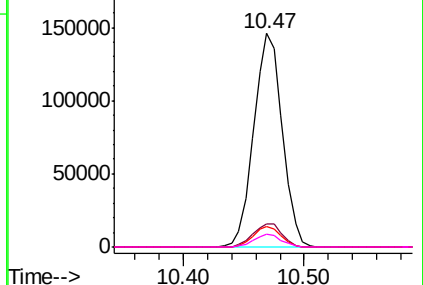


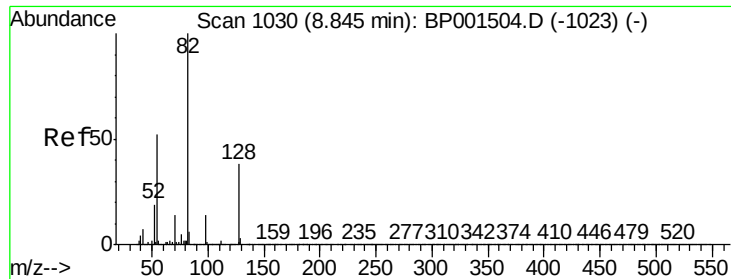
Abundance Ion 136.00 (135.70 to 136.70): E

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

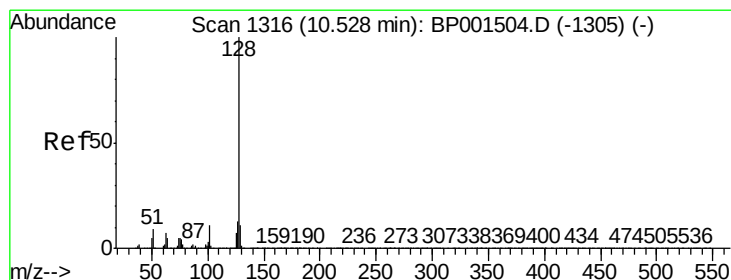
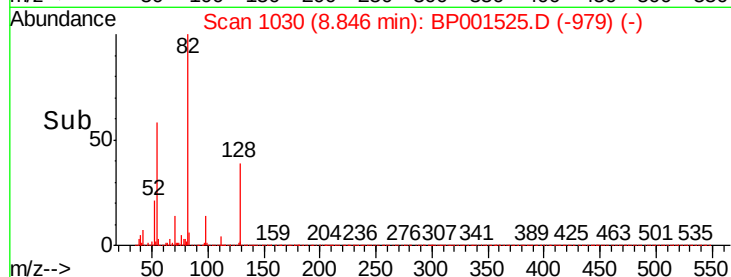
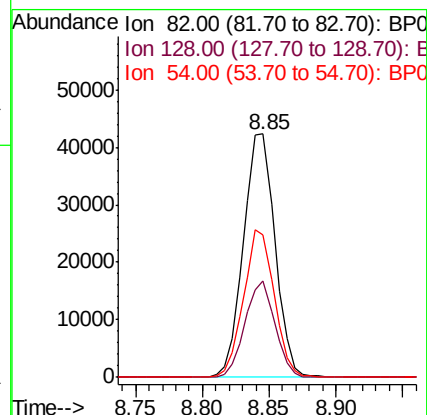
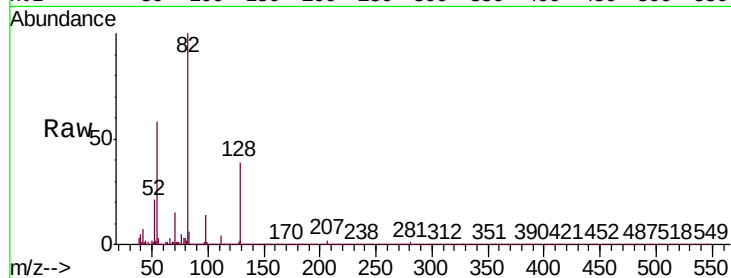




#23
 Nitrobenzene-d5
 Concen: 14.335 ng
 RT: 8.85 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BP001525.D
 Acq: 04 Jan 2020 01:09

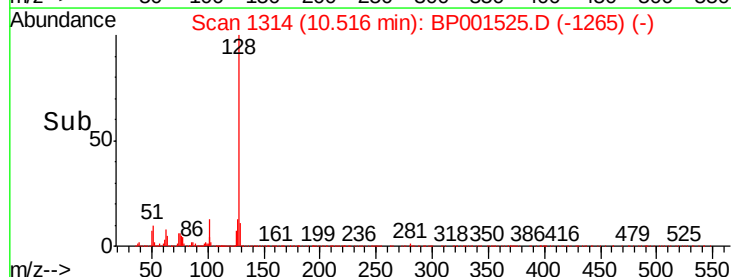
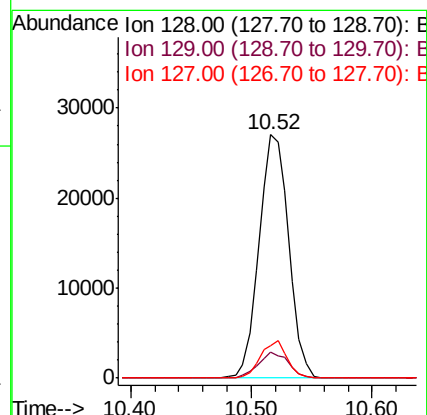
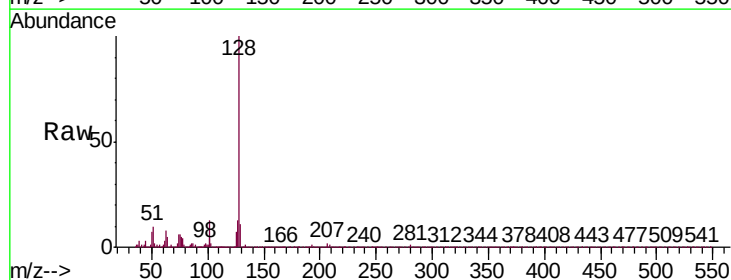
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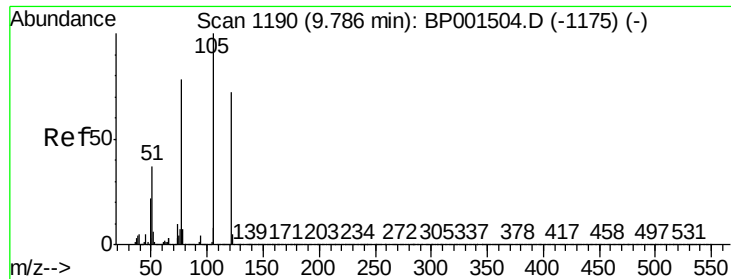
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.1	45.1
54	58.3	41.8	62.6



#31
 Naphthalene
 Concen: 3.686 ng
 RT: 10.52 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BP001525.D
 Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.2	10.5	15.7

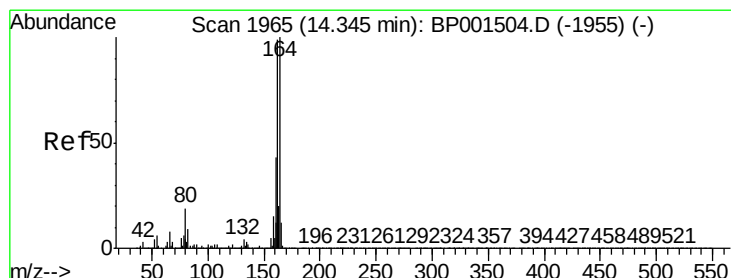
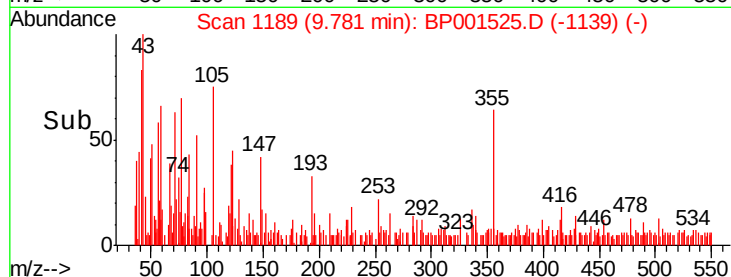
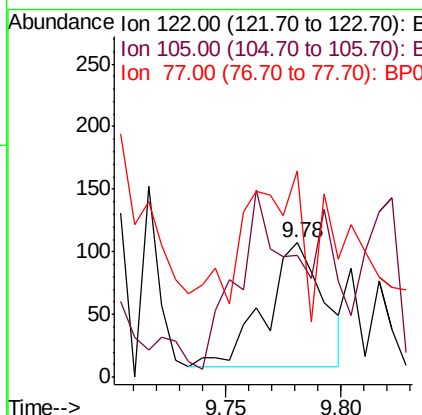
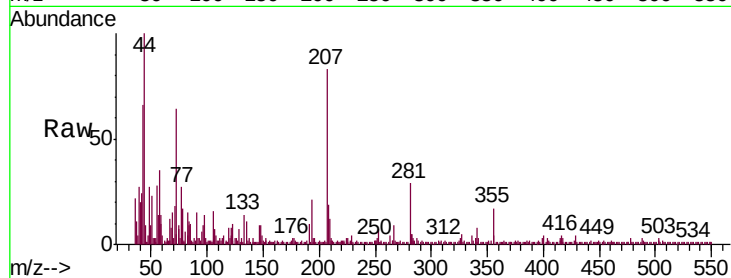




#32
Benzoic acid
Concen: 7.833 ng
RT: 9.78 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

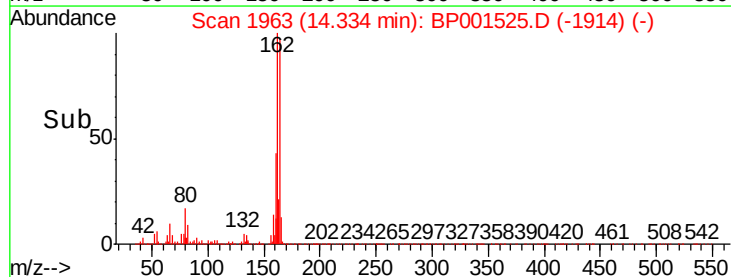
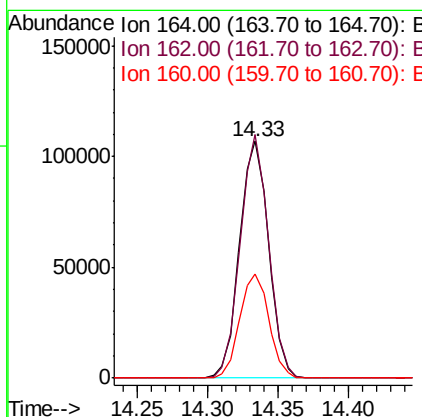
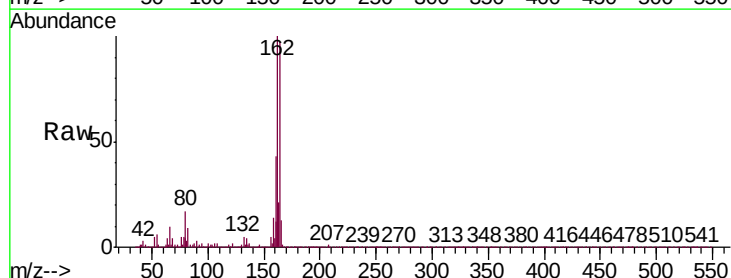
Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

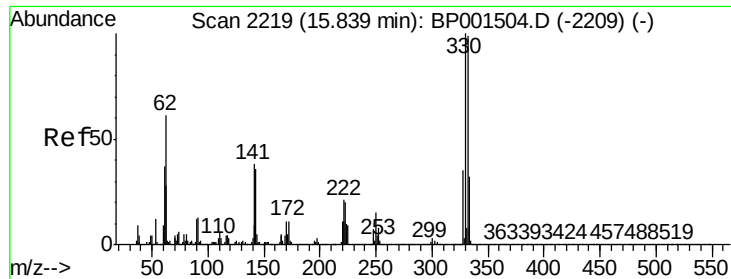
Tgt Ion:122 Resp: 171
Ion Ratio Lower Upper
122 100
105 100.0 111.1 151.1#
77 154.2 85.9 125.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion:164 Resp: 154043
Ion Ratio Lower Upper
164 100
162 102.7 79.2 118.8
160 44.0 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 21.758 ng

RT: 15.83 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B2

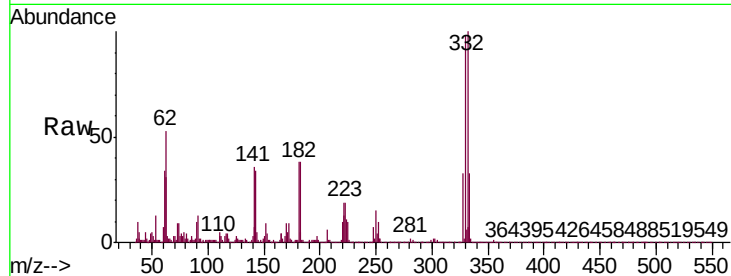
Tgt Ion:330 Resp: 37934

Ion Ratio Lower Upper

330 100

332 97.7 78.2 117.2

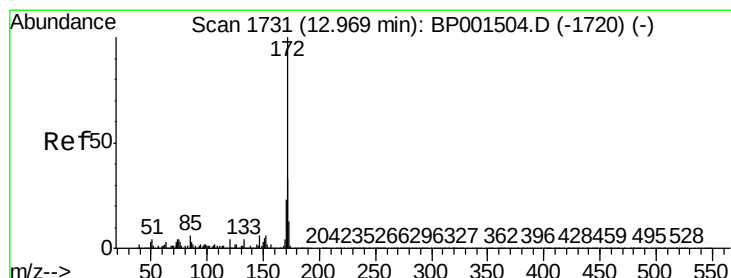
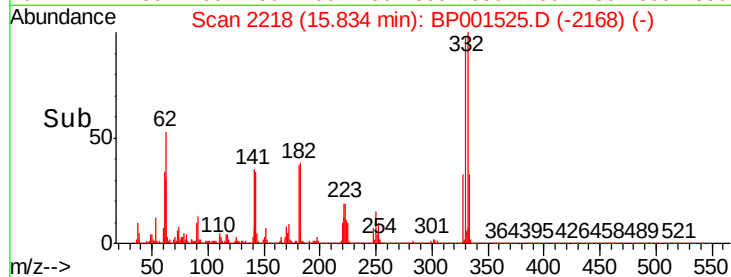
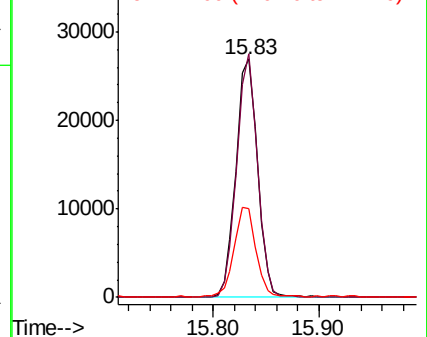
141 38.6 30.3 45.5



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: 14.909 ng

RT: 12.96 min Scan# 1729

Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

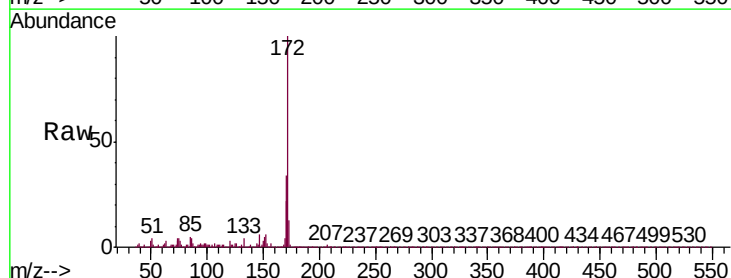
Tgt Ion:172 Resp: 156187

Ion Ratio Lower Upper

172 100

171 34.3 26.7 40.1

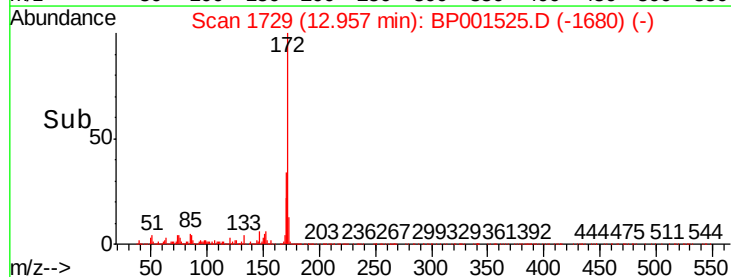
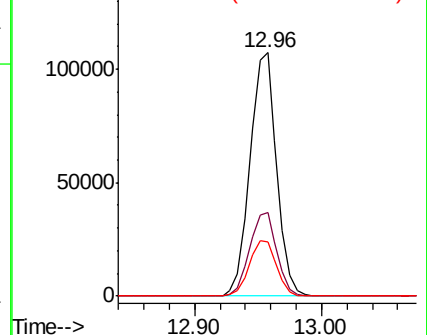
170 22.2 18.7 28.1

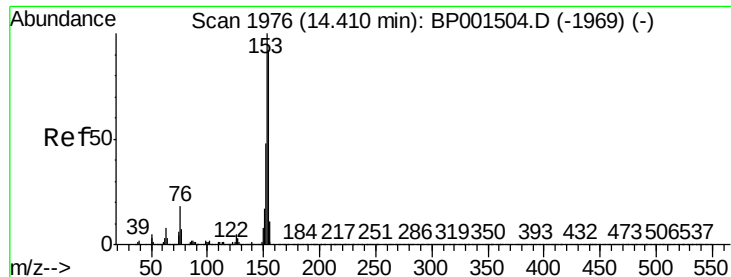


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 4.898 ng

RT: 14.40 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BP001525.D

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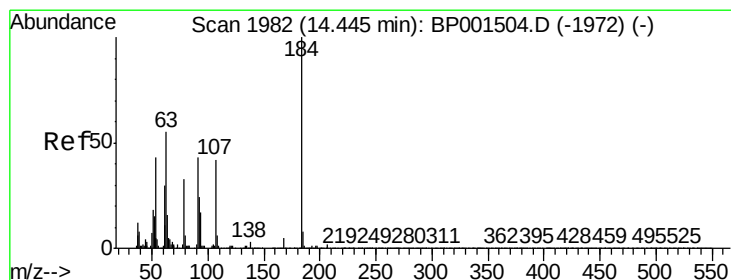
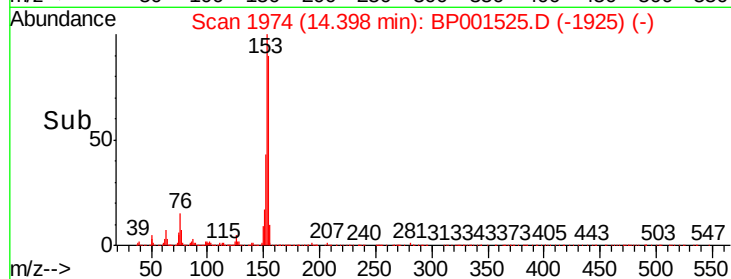
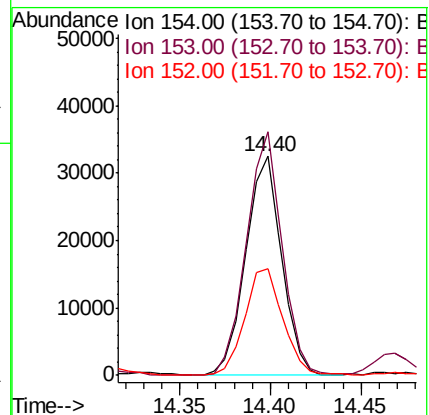
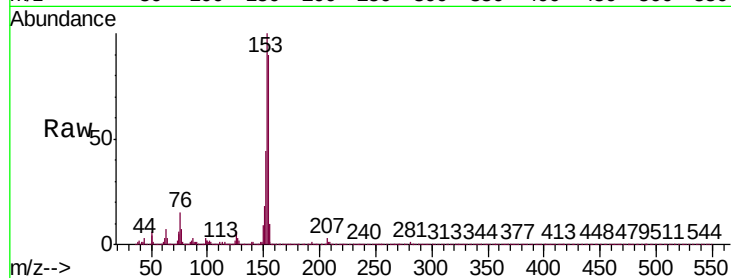
Tgt Ion:154 Resp: 44578

Ion Ratio Lower Upper

154 100

153 111.2 87.3 130.9

152 48.7 41.5 62.3



#54

2,4-Dinitrophenol

Concen: 6.464 ng

RT: 14.68 min Scan# 2022

Delta R.T. 0.24 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

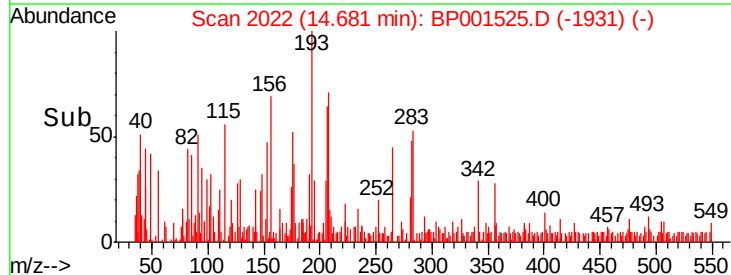
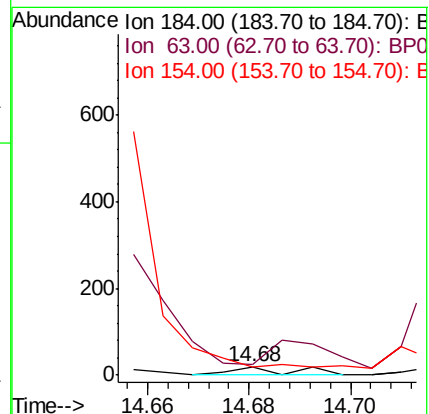
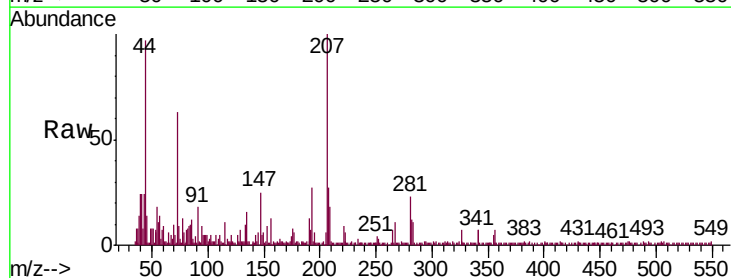
Tgt Ion:184 Resp: 16

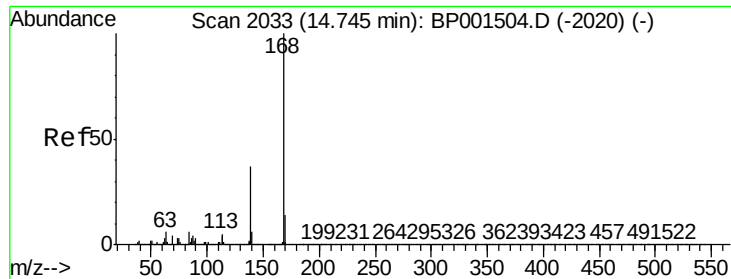
Ion Ratio Lower Upper

184 100

63 67.6 50.0 75.0

154 52.9 49.2 73.8

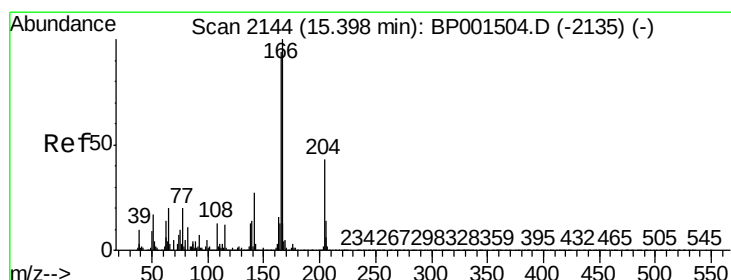
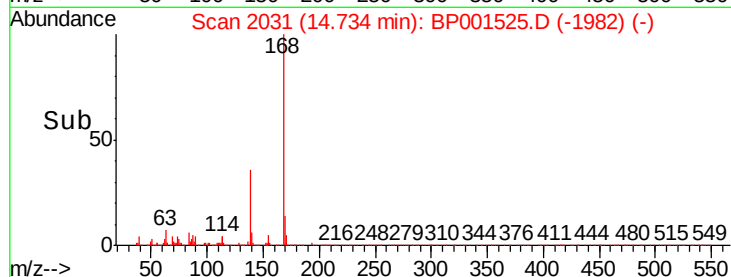
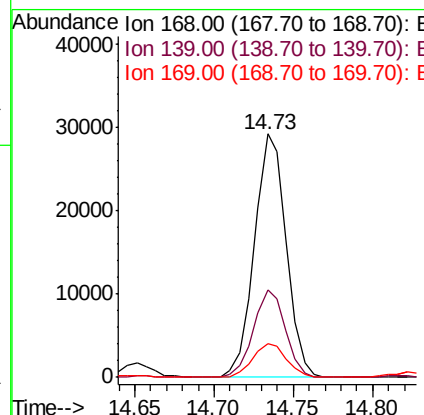
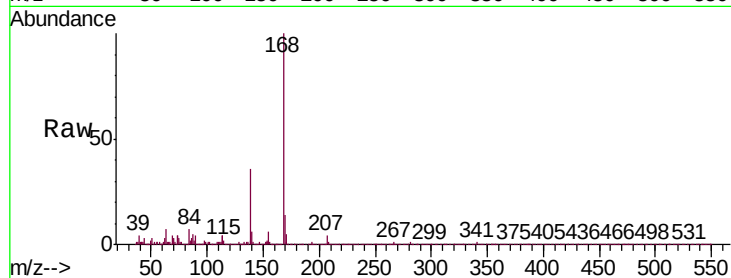




#55
Dibenzenofuran
Concen: 2.925 ng
RT: 14.73 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

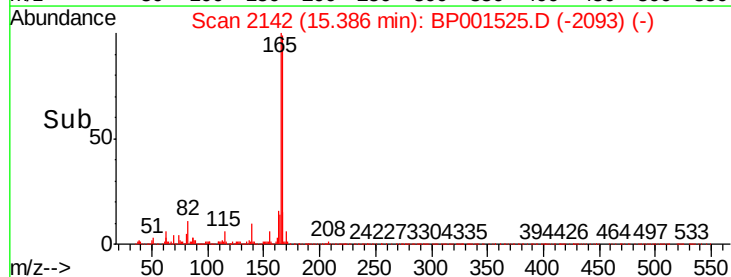
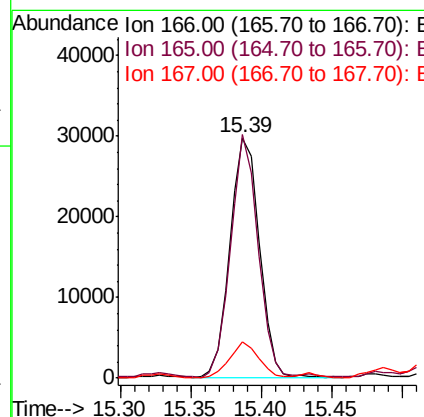
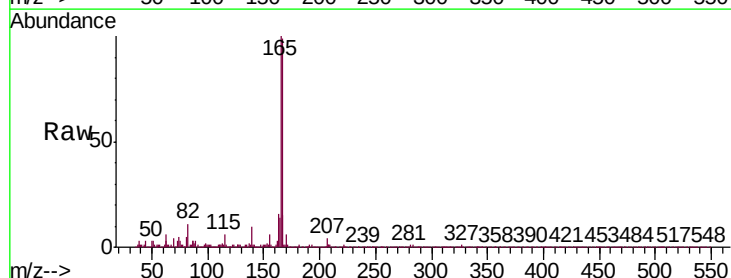
Instrument :
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ClientSampleId :
MC-123019-0-2-COMP-B2

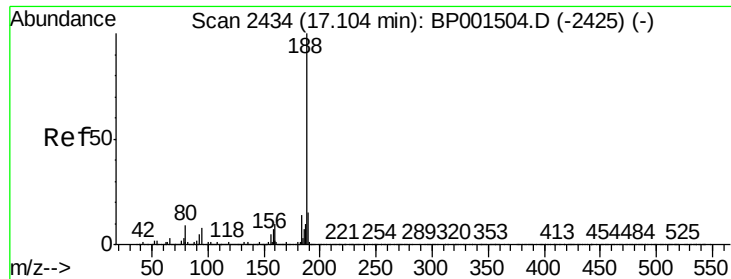
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.8	44.6
169	13.7	10.9	16.3



#58
Fluorene
Concen: 4.071 ng
RT: 15.39 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	75.3	112.9
167	15.2	10.7	16.1

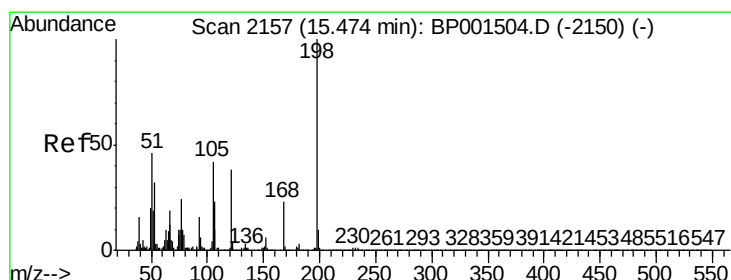
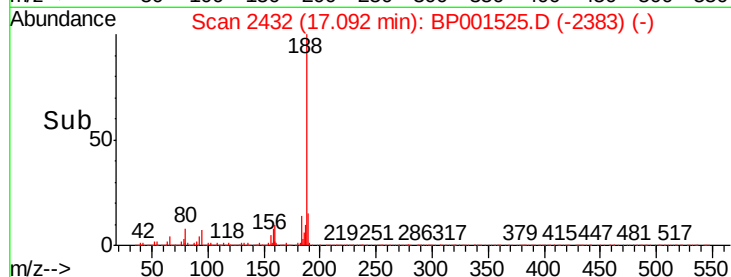
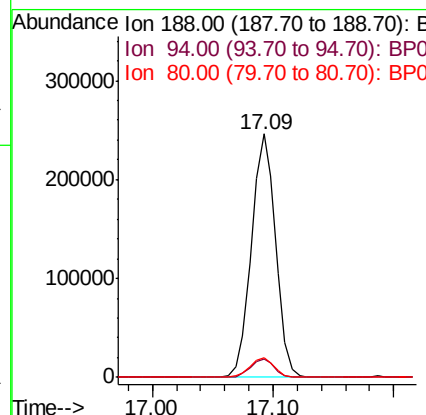
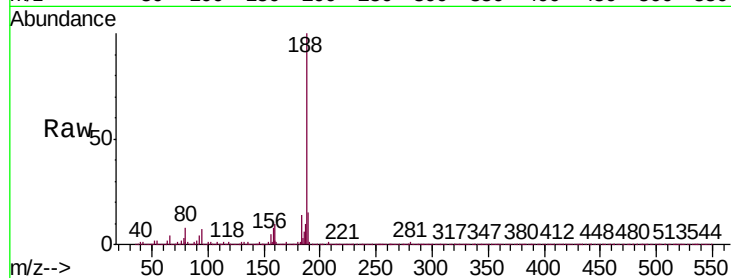




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.09 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

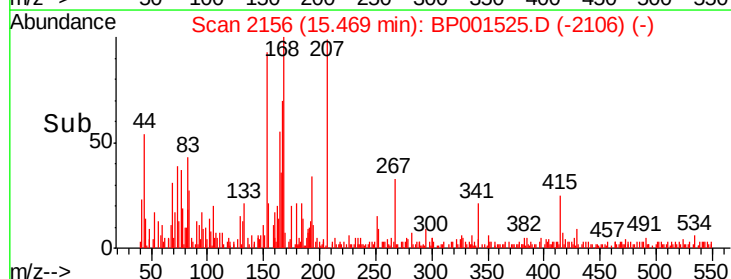
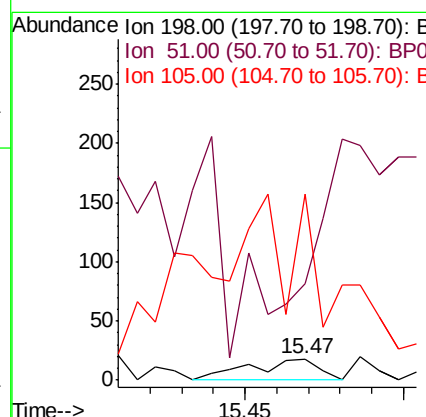
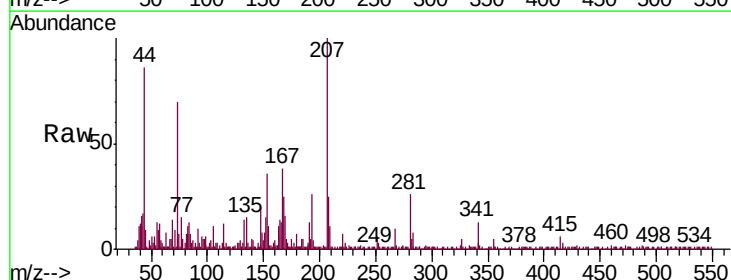
Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

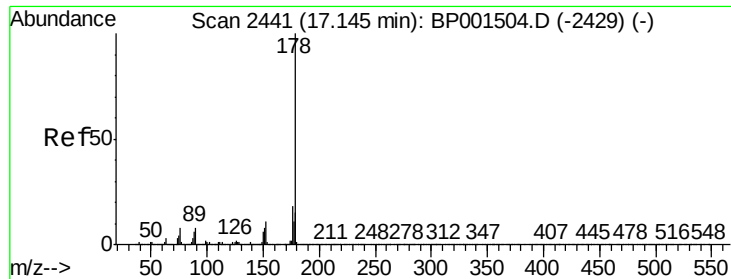
Tgt Ion:188 Resp: 342778
Ion Ratio Lower Upper
188 100
94 7.4 6.5 9.7
80 8.3 7.3 10.9



#65
4,6-Dinitro-2-methylphenol
Concen: 5.889 ng
RT: 15.47 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion:198 Resp: 28
Ion Ratio Lower Upper
198 100
51 455.6 26.9 66.9#
105 872.2 22.5 62.5#

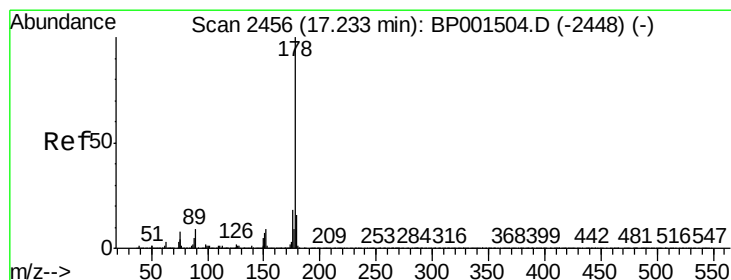
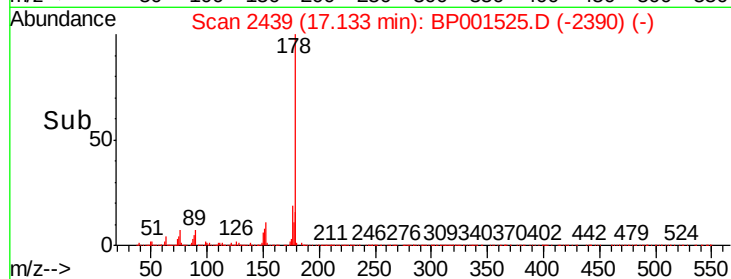
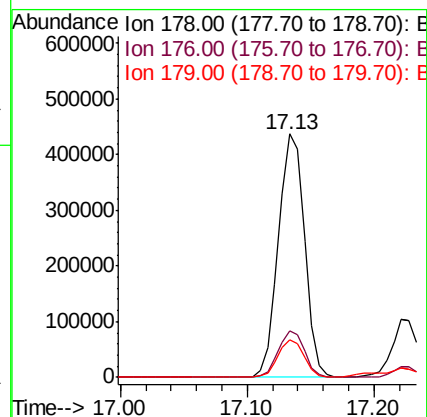
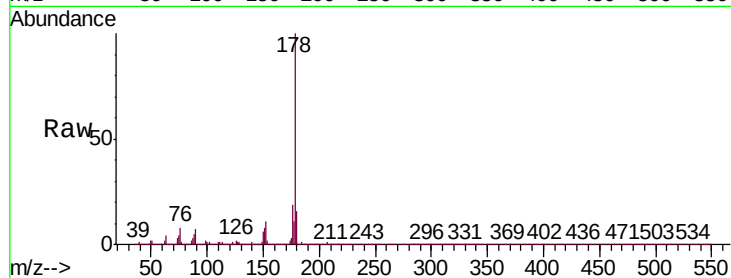




#71
Phenanthrene
Concen: 33.697 ng
RT: 17.13 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

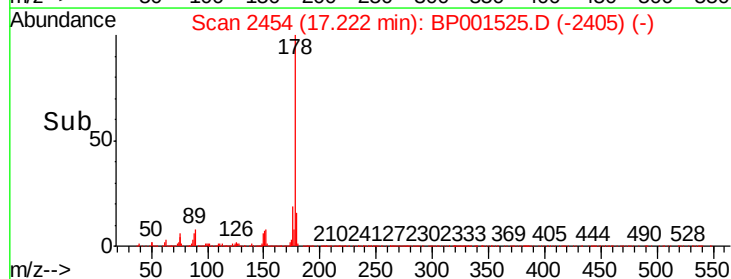
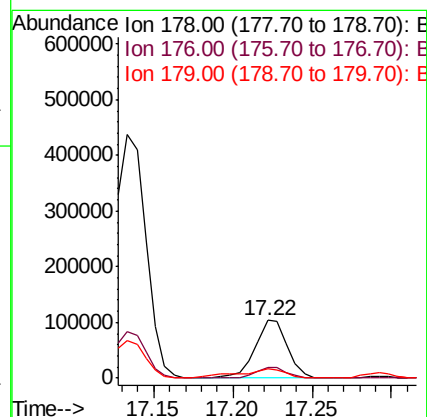
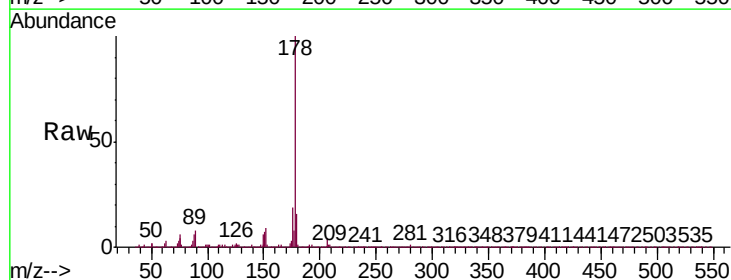
Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

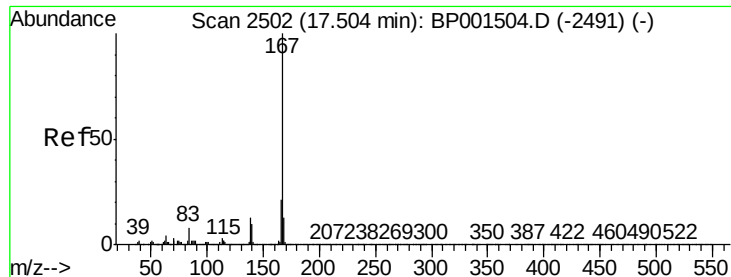
Tgt Ion:178 Resp: 626486
Ion Ratio Lower Upper
178 100
176 18.9 14.6 22.0
179 15.7 12.3 18.5



#72
Anthracene
Concen: 7.961 ng
RT: 17.22 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion:178 Resp: 146701
Ion Ratio Lower Upper
178 100
176 18.8 14.4 21.6
179 16.0 12.5 18.7

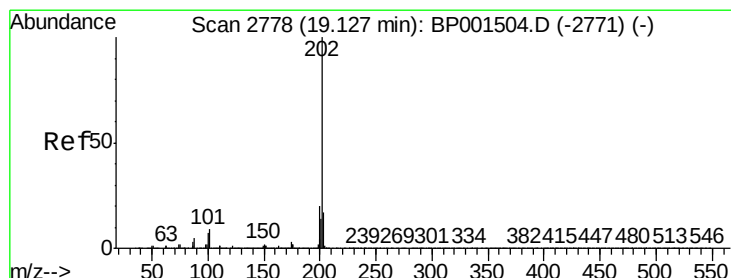
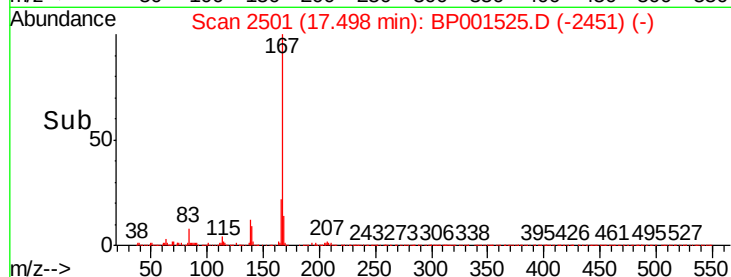
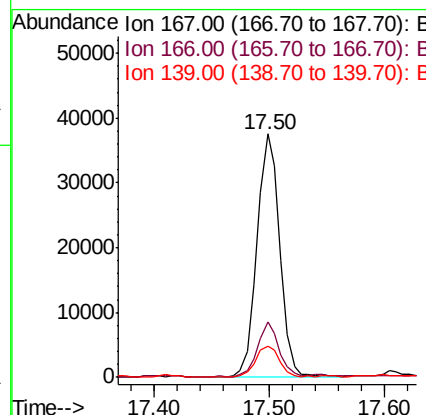
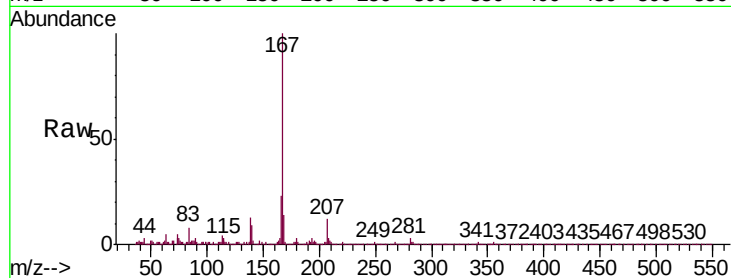




#73
 Carbazole
 Concen: 3.002 ng
 RT: 17.50 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BP001525.D
 Acq: 04 Jan 2020 01:09

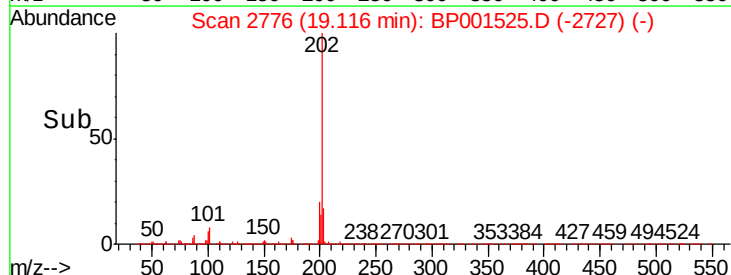
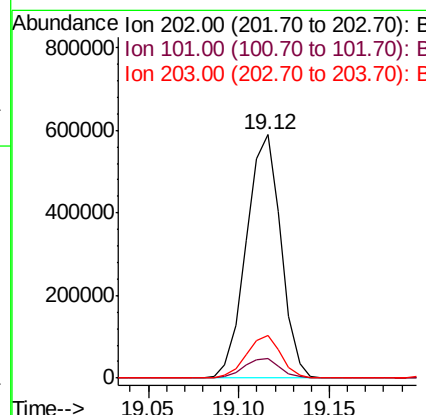
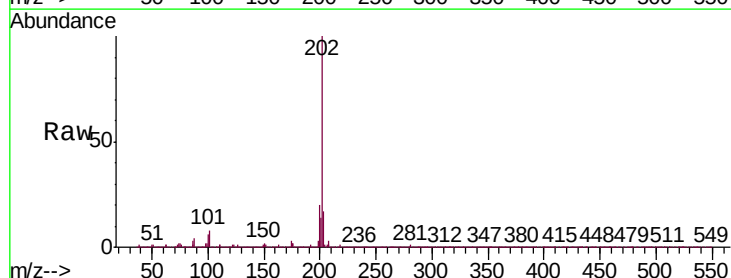
Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-0-2-COMP-B2

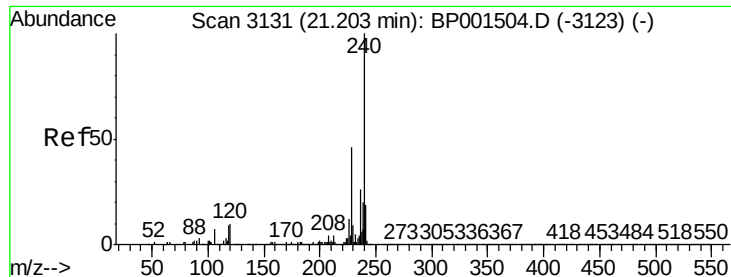
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.0	25.6
139	13.0	10.2	15.4



#75
 Fluoranthene
 Concen: 34.583 ng
 RT: 19.12 min Scan# 2776
 Delta R.T. -0.01 min
 Lab File: BP001525.D
 Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	29.3
203	17.3	0.0	36.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.19 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B2

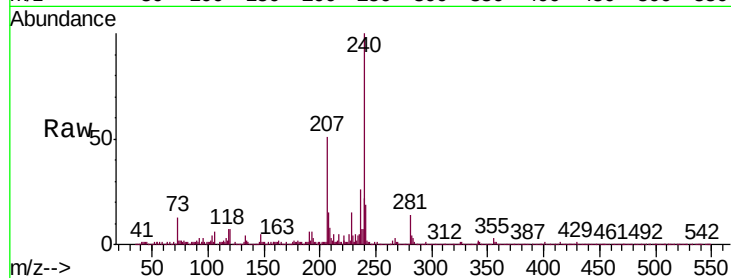
Tgt Ion:240 Resp: 298375

Ion Ratio Lower Upper

240 100

120 7.4 8.1 12.1#

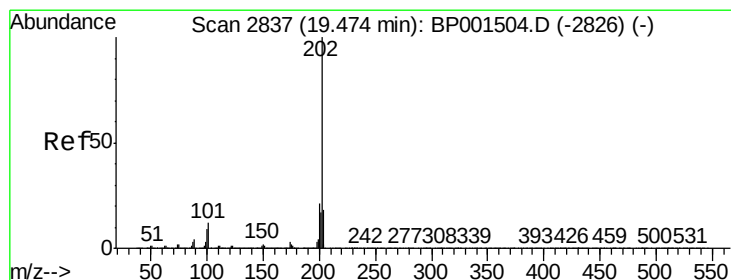
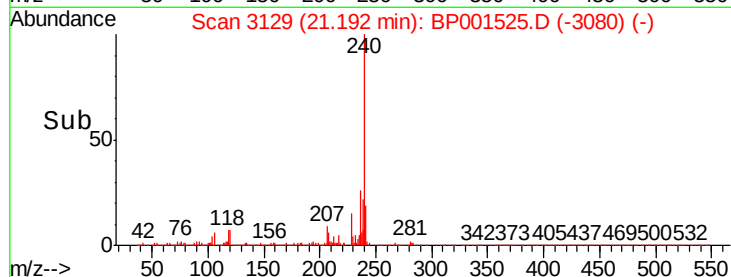
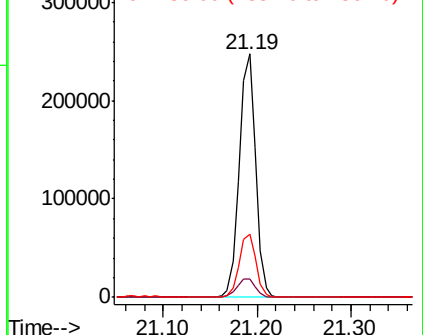
236 26.0 20.9 31.3



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: 32.600 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

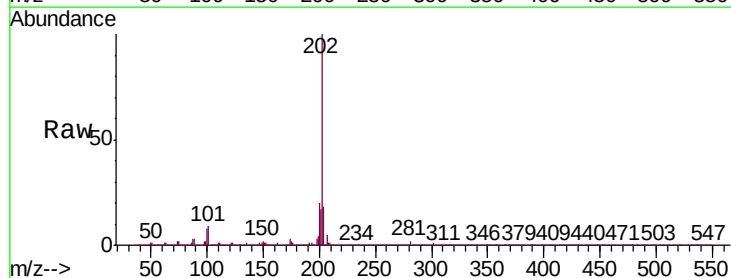
Tgt Ion:202 Resp: 705855

Ion Ratio Lower Upper

202 100

200 20.2 16.4 24.6

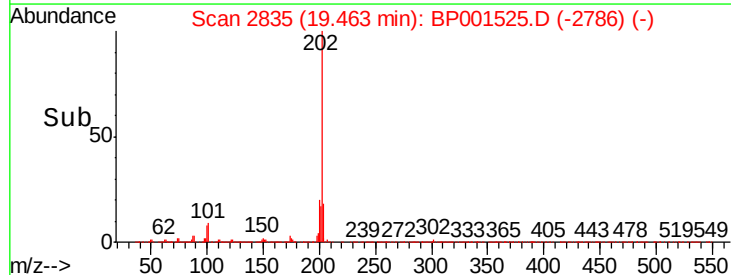
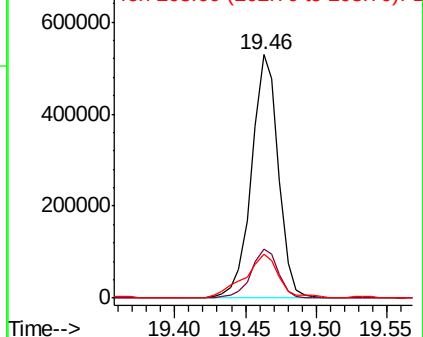
203 18.0 14.2 21.2

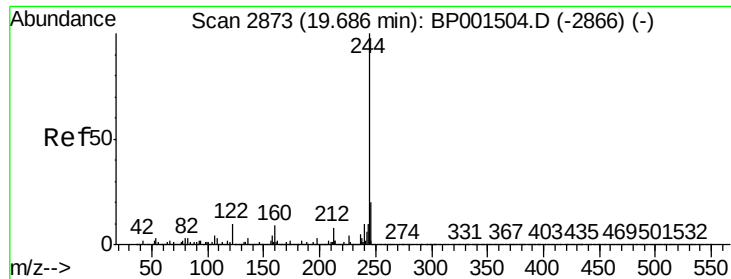


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

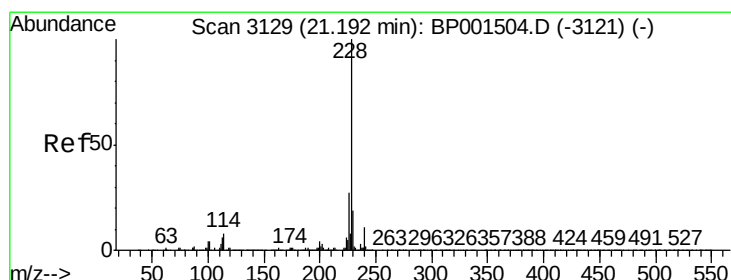
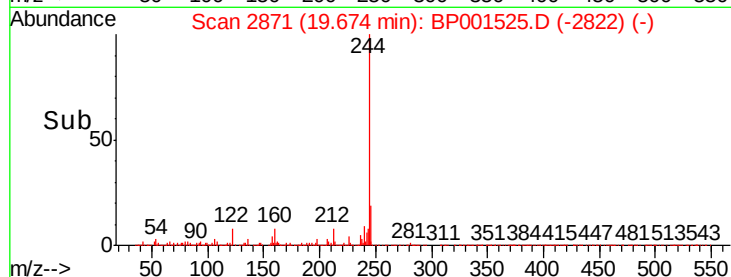
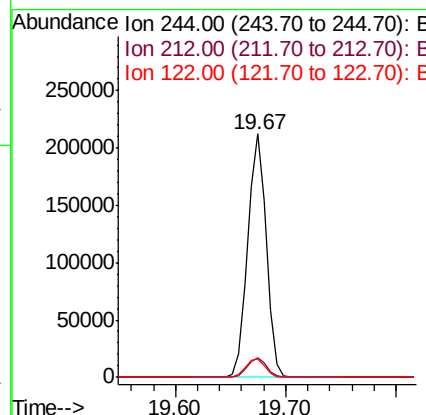
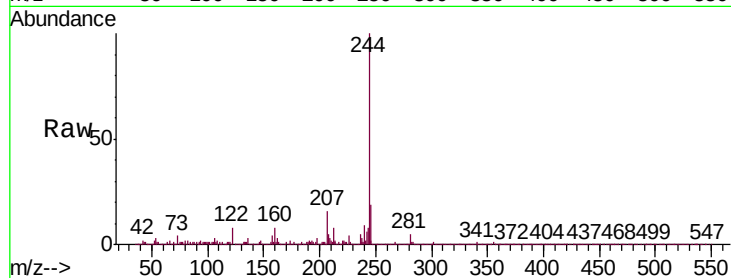




#79
 Terphenyl-d14
 Concen: 16.749 ng
 RT: 19.67 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BP001525.D
 Acq: 04 Jan 2020 01:09

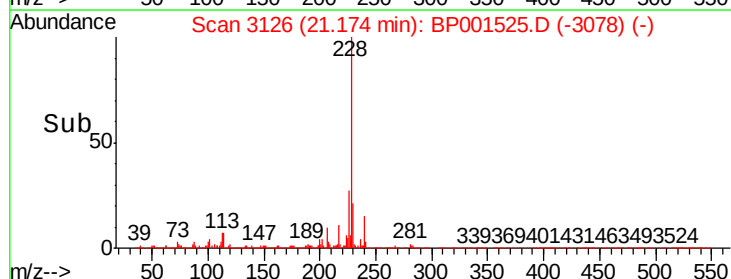
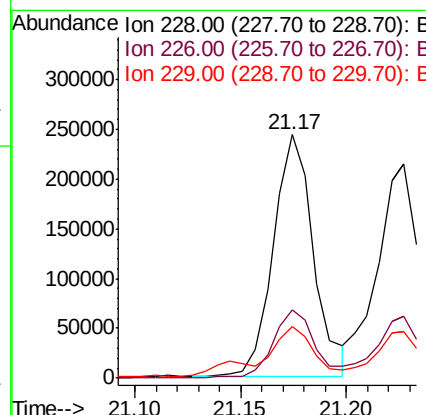
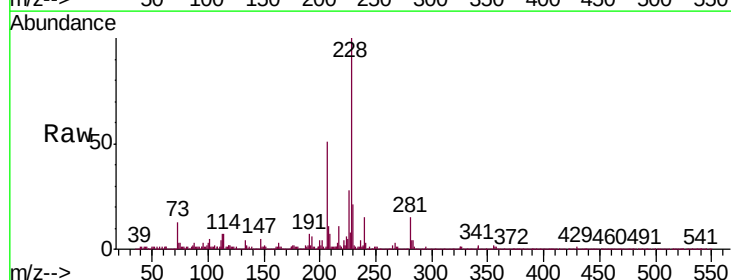
Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-0-2-COMP-B2

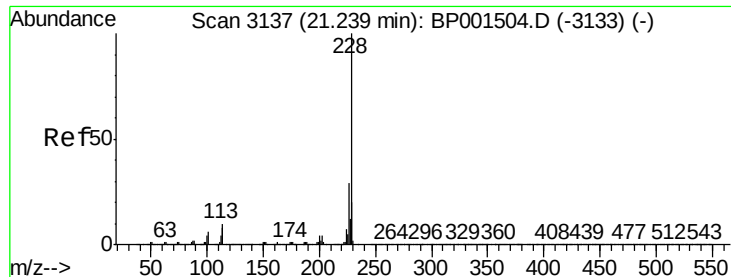
Tgt Ion:244 Resp: 250774
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.6 9.8
 122 7.8 7.8 11.6



#81
 Benzo(a)anthracene
 Concen: 15.424 ng
 RT: 21.17 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BP001525.D
 Acq: 04 Jan 2020 01:09

Tgt Ion:228 Resp: 322918
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.5 32.3
 229 21.0 15.4 23.2





#83

Chrysene

Concen: 14.583 ng

RT: 21.23 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B2

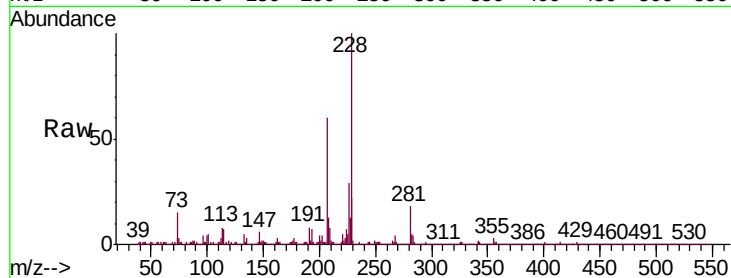
Tgt Ion:228 Resp: 292738

Ion Ratio Lower Upper

228 100

226 28.6 23.0 34.6

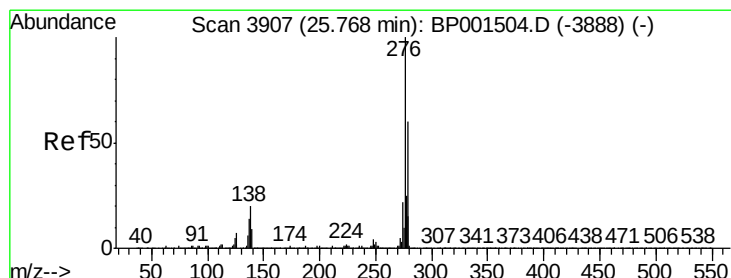
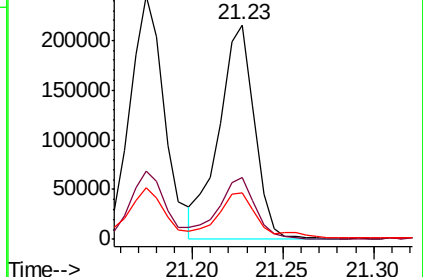
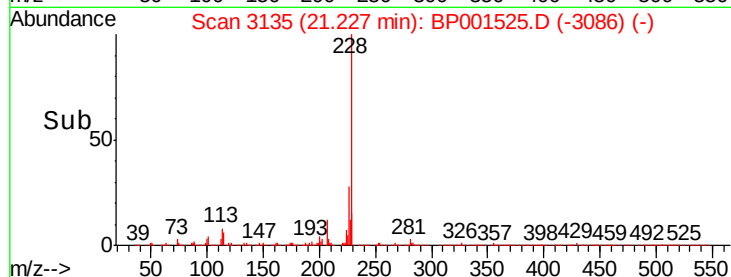
229 21.6 15.7 23.5



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

Indeno(1,2,3-cd)pyrene

Concen: 6.623 ng

RT: 25.72 min Scan# 3899

Delta R.T. -0.05 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

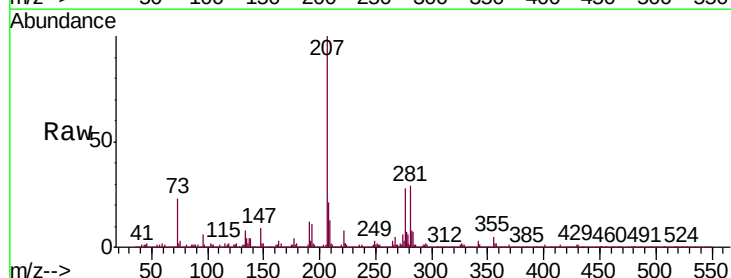
Tgt Ion:276 Resp: 161806

Ion Ratio Lower Upper

276 100

138 14.9 17.8 26.8#

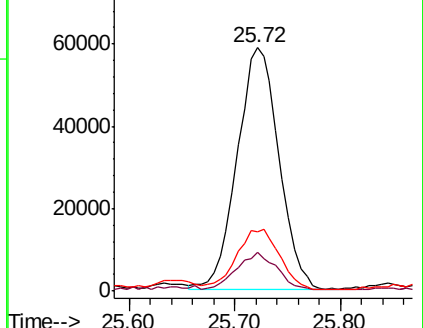
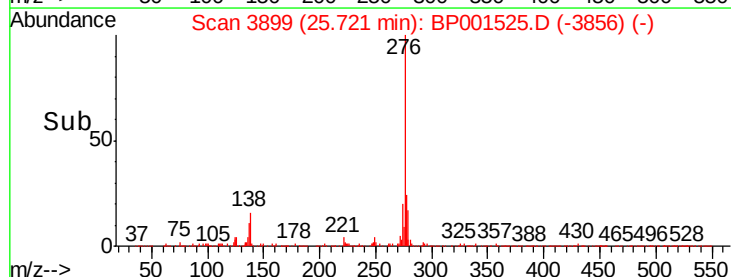
277 25.4 20.0 30.0

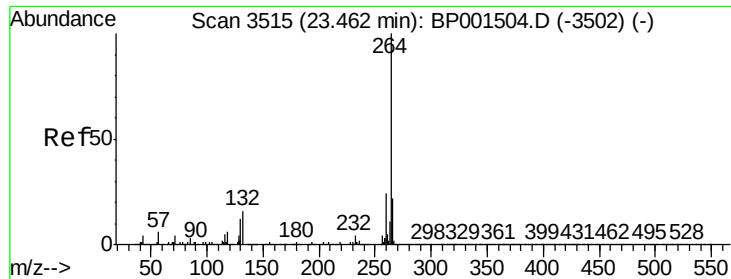


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



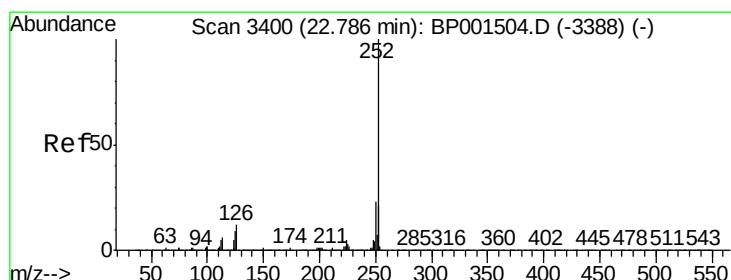
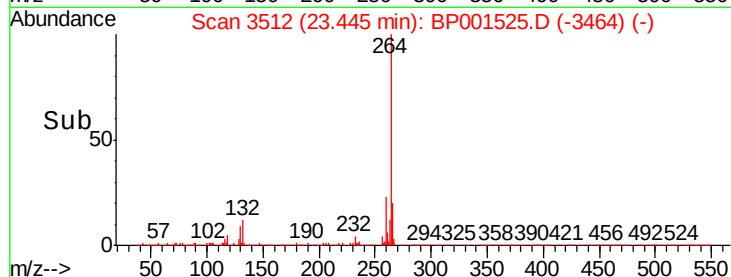
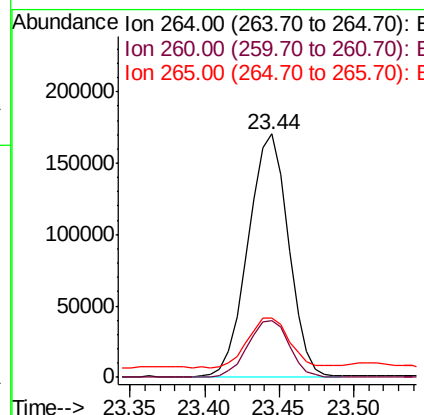
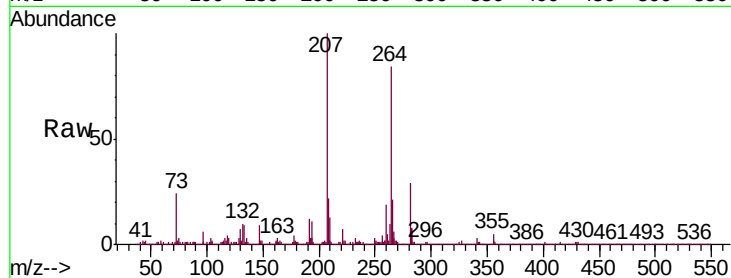


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.44 min Scan# 3512
Delta R.T. -0.02 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tgt Ion: 264 Resp: 316338

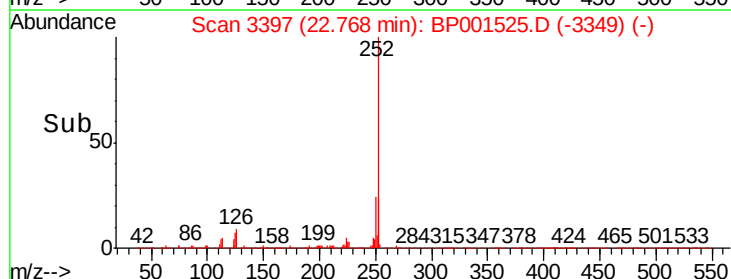
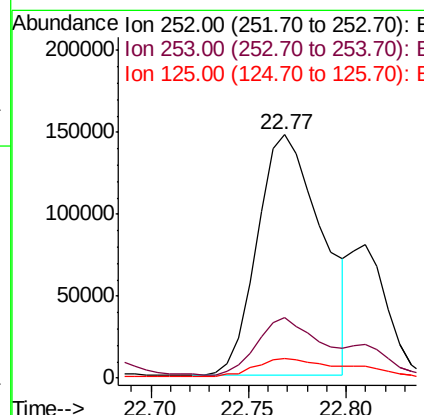
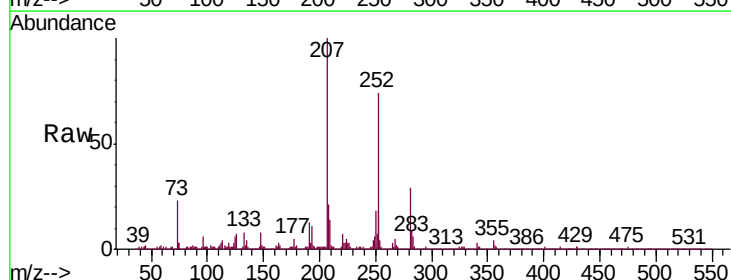
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	24.4	17.2	25.8

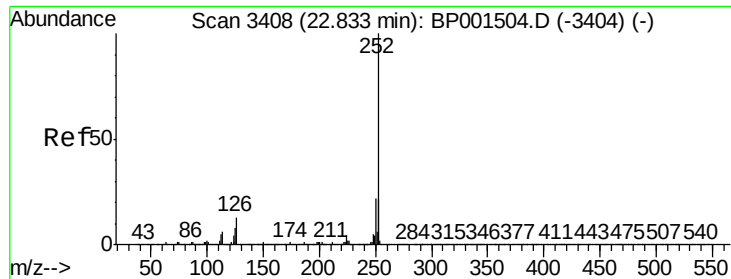


#88
Benzo(b)fluoranthene
Concen: 17.314 ng
RT: 22.77 min Scan# 3397
Delta R.T. -0.02 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion: 252 Resp: 339134

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	7.9	7.2	10.8





#89

Benzo(k)fluoranthene

Concen: 18.075 ng

RT: 22.77 min Scan# 3397

Delta R.T. -0.06 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B2

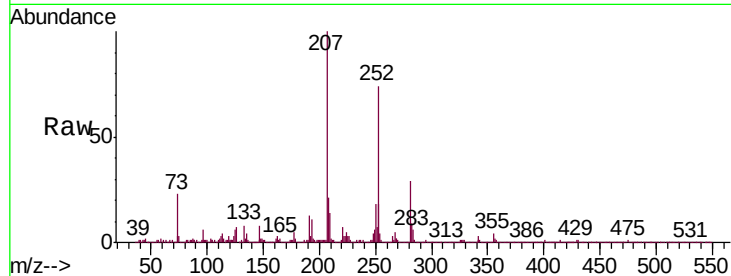
Tgt Ion:252 Resp: 339134

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.6

125 7.9 6.6 10.0

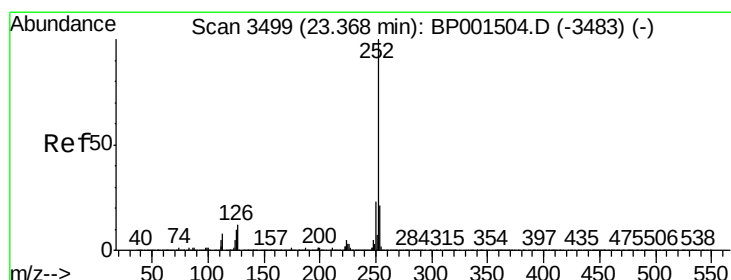
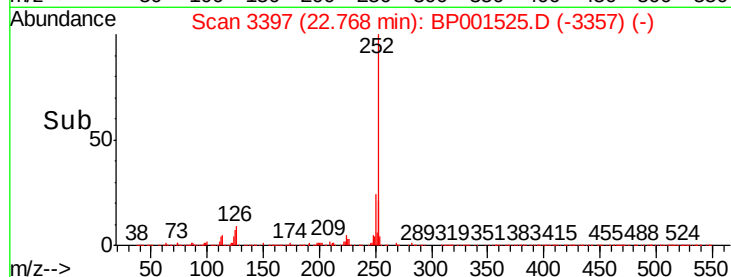
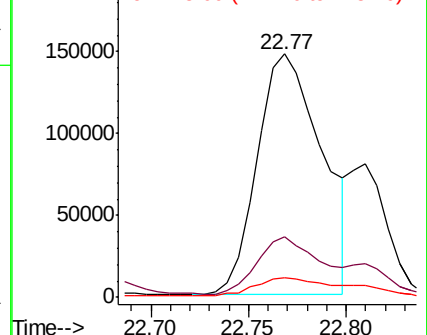


Abundance

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



#90

Benzo(a)pyrene

Concen: 14.381 ng

RT: 23.34 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

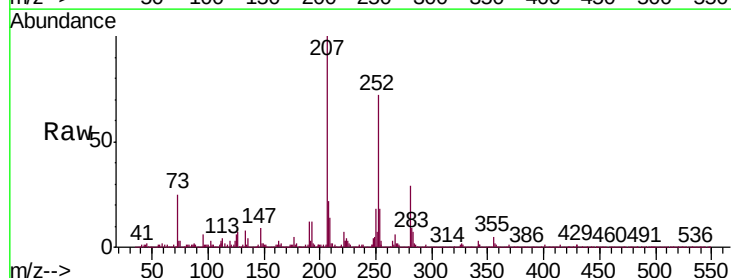
Tgt Ion:252 Resp: 263681

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

125 7.8 7.7 11.5

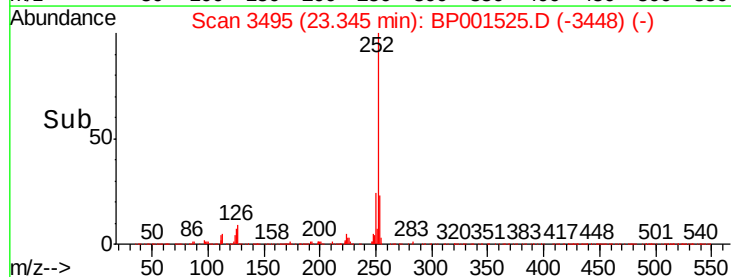
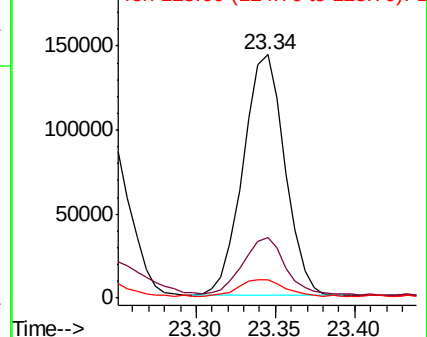


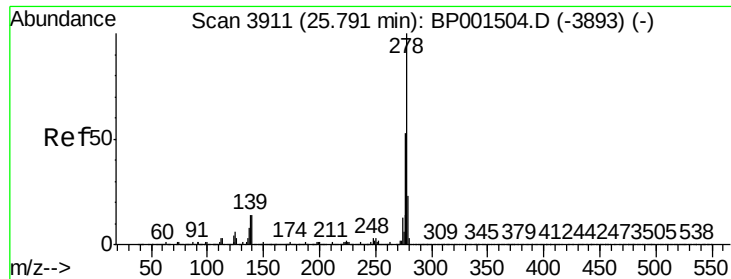
Abundance

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





#91

Dibenzo(a,h)anthracene

Concen: 2.343 ng

RT: 25.74 min Scan# 3902

Delta R.T. -0.05 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

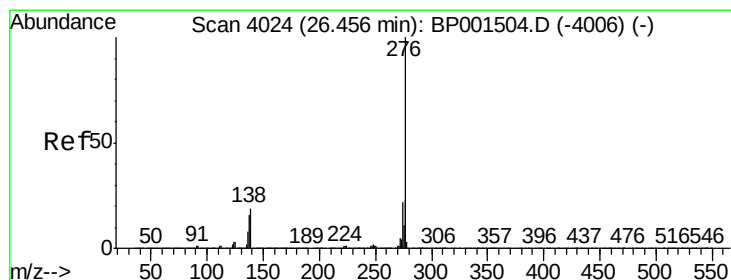
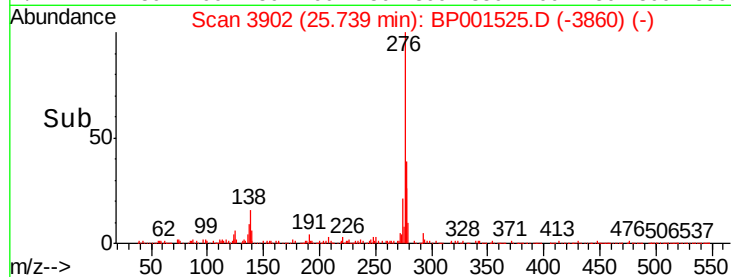
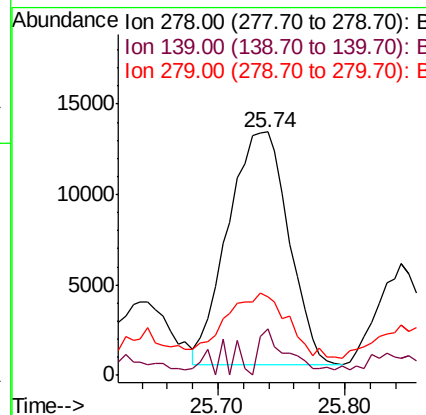
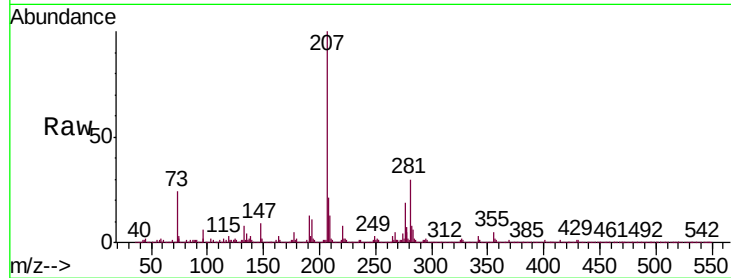
Instrument :

BNA_P

ClientSampleId :

MC-123019-0-2-COMP-B2

Tgt Ion:	278	Resp:	42697
Ion Ratio	Lower	Upper	
278	100		
139	19.0	11.3	16.9#
279	32.3	18.2	27.2#



#92

Benzo(g,h,i)perylene

Concen: 8.724 ng

RT: 26.42 min Scan# 4017

Delta R.T. -0.04 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Tgt Ion:	276	Resp:	158549
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.7	28.1
138	16.3	15.0	22.4

