

Data File : BP001526.D
Acq On : 04 Jan 2020 01:43
Operator : JU
Sample : K6492-08 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Quant Time: Jan 04 03:04:03 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	65668	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	231014	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	143572	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	318484	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	297179	20.00	ng	-0.01
87) Perylene-d12	23.44	264	325739	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	70808	18.12	ng	0.02
7) Phenol-d6	6.90	99	96295	18.29	ng	0.03
23) Nitrobenzene-d5	8.84	82	56311	12.04	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	29802	18.34	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	124254	12.73	ng	-0.02
79) Terphenyl-d14	19.67	244	195800	13.13	ng	-0.01

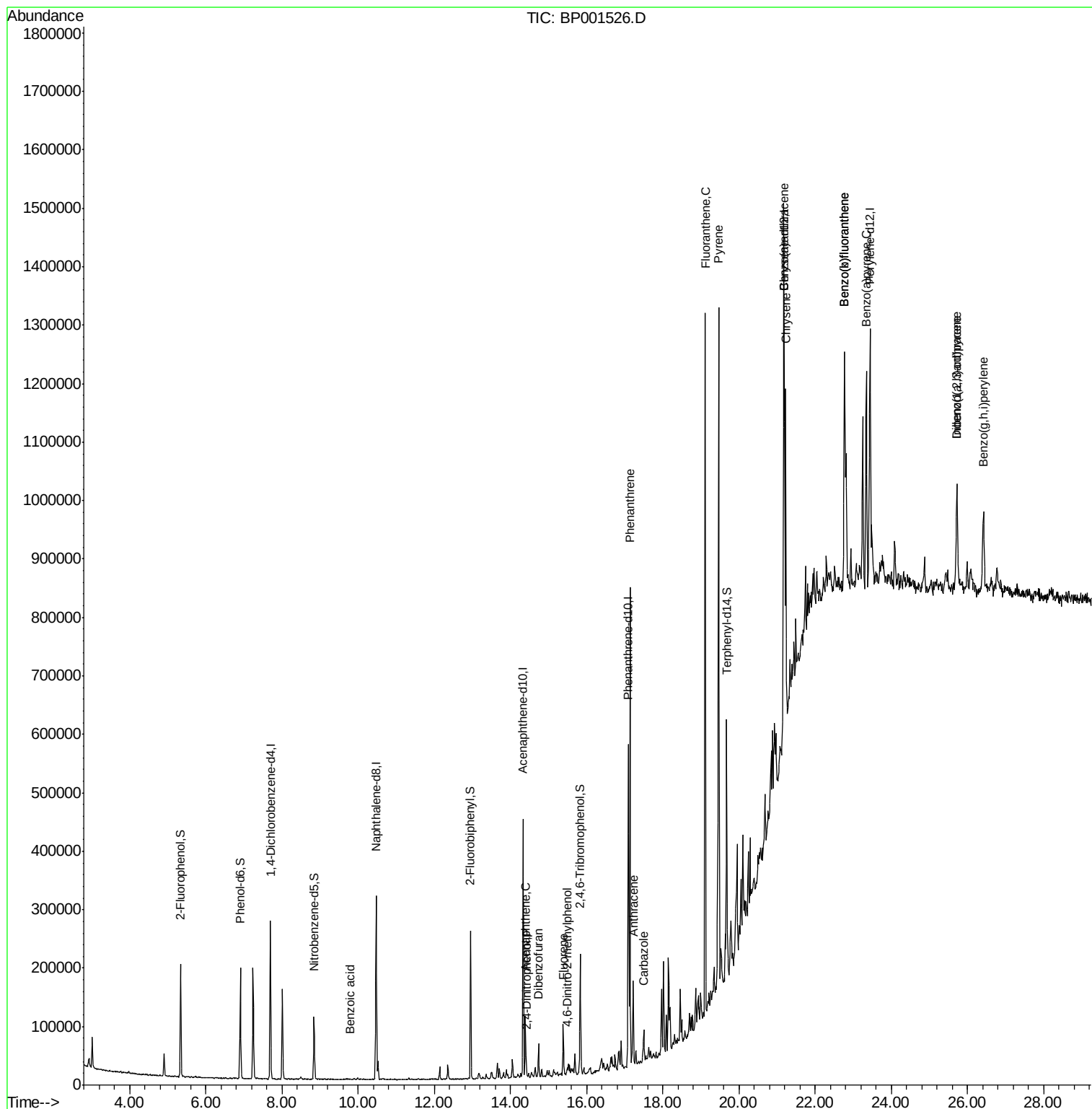
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.83	77	94	Below Cal		# 58
32) Benzoic acid	9.78	122	40	7.784	ng	# 1
52) Acenaphthene	14.40	154	38071	4.488	ng	95
54) 2,4-Dinitrophenol	14.43	184	16	6.465	ng	# 1
55) Dibenzofuran	14.73	168	29361	2.260	ng	99
58) Fluorene	15.39	166	31965	3.230	ng	94
65) 4,6-Dinitro-2-methylphenol	15.47	198	28	5.890	ng	# 1
71) Phenanthrene	17.13	178	469112	27.157	ng	99
72) Anthracene	17.22	178	86495	5.052	ng	97
73) Carbazole	17.50	167	33796	2.133	ng	98
75) Fluoranthene	19.12	202	727391	34.785	ng	97
78) Pyrene	19.46	202	725594	33.647	ng	100
81) Benzo(a)anthracene	21.17	228	344981	16.544	ng	98
83) Chrysene	21.23	228	327364	16.373	ng	97
86) Indeno(1,2,3-cd)pyrene	25.72	276	177661	7.301	ng	# 92
88) Benzo(b)fluoranthene	22.77	252	386940	19.185	ng	96
89) Benzo(k)fluoranthene	22.77	252	386940	20.028	ng	96
90) Benzo(a)pyrene	23.34	252	298452	15.808	ng	95
91) Dibenzo(a,h)anthracene	25.73	278	47197	2.515	ng	# 88
92) Benzo(g,h,i)perylene	26.42	276	179767	9.606	ng	96

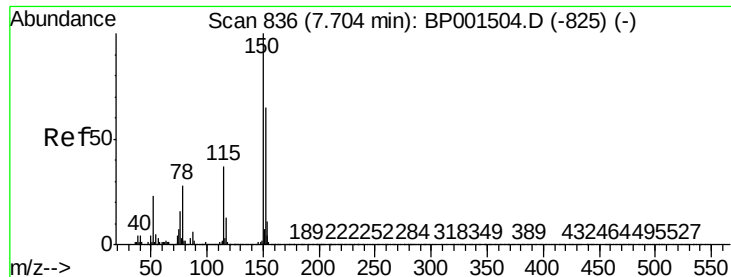
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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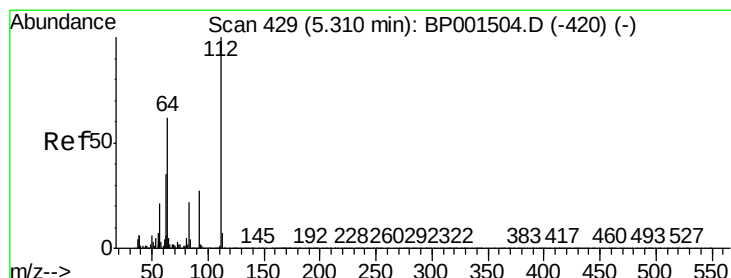
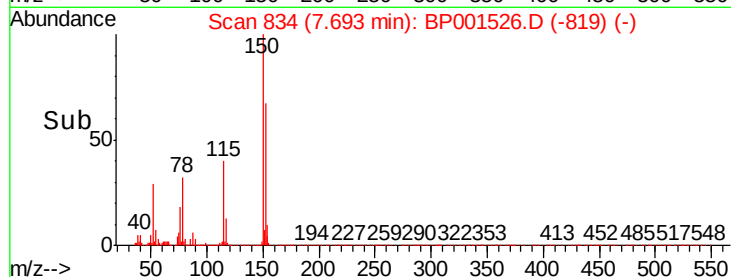
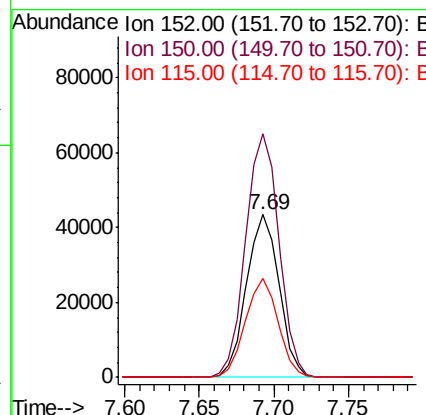
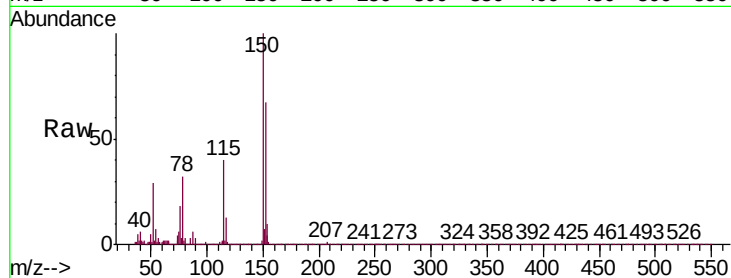


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 834
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

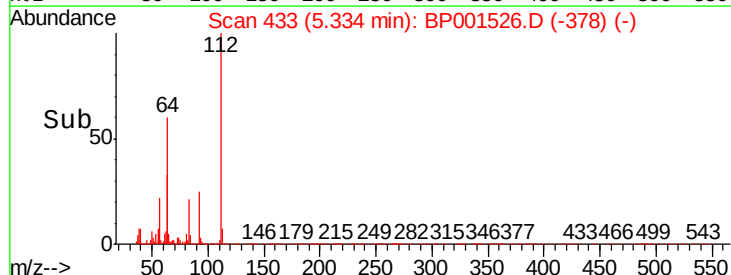
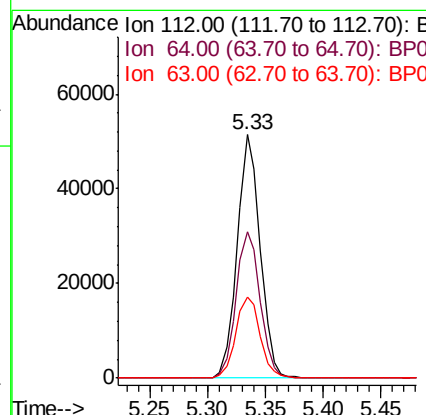
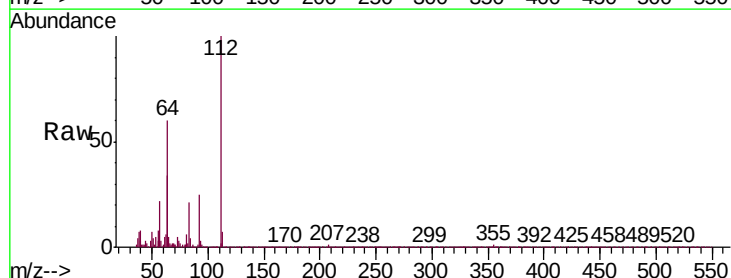
Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.8	123.6	185.4
115	60.5	45.8	68.6

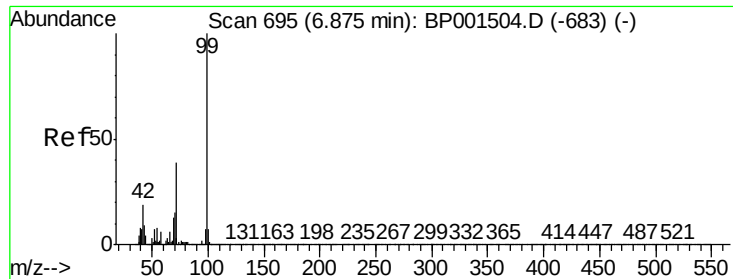


#5

2-Fluorophenol
Concen: 18.115 ng
RT: 5.33 min Scan# 433
Delta R.T. 0.02 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.7	74.5
63	33.5	28.1	42.1





#7

Phenol-d6

Concen: 18.290 ng

RT: 6.90 min Scan# 700

Delta R.T. 0.03 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

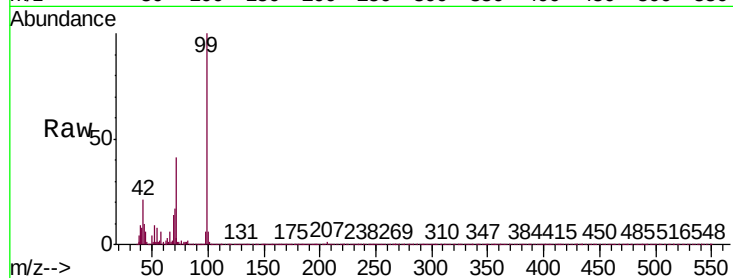
Tgt Ion: 99 Resp: 96295

Ion Ratio Lower Upper

99 100

42 21.3 15.3 22.9

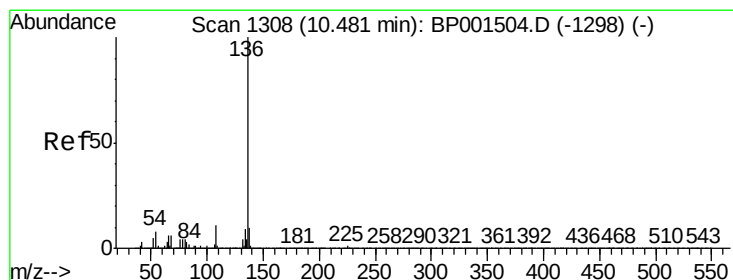
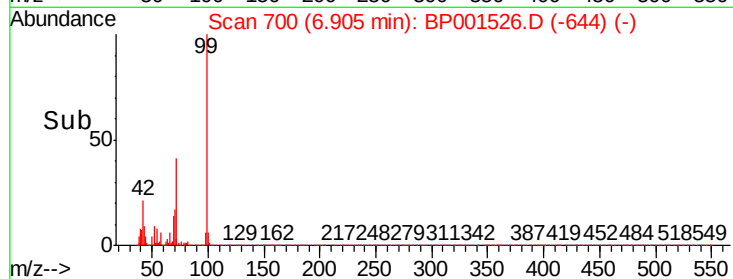
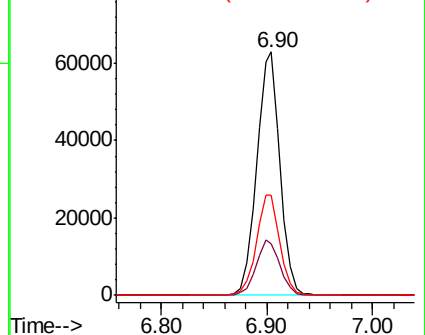
71 41.4 30.9 46.3



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: BP001526.D

Acq: 04 Jan 2020 01:43

Tgt Ion: 136 Resp: 231014

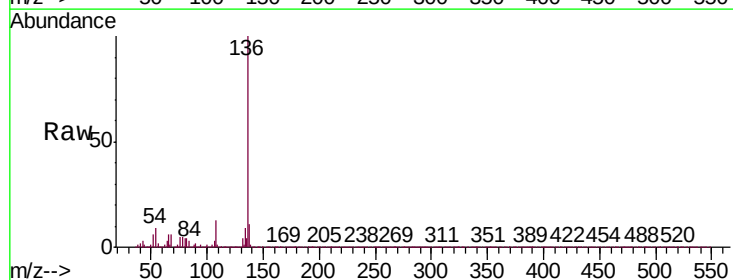
Ion Ratio Lower Upper

136 100

137 10.6 8.3 12.5

54 9.5 6.7 10.1

68 5.7 4.4 6.6

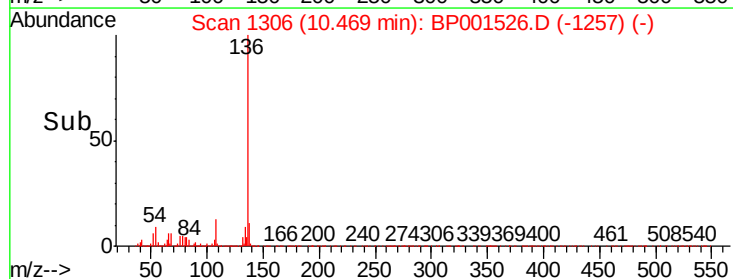
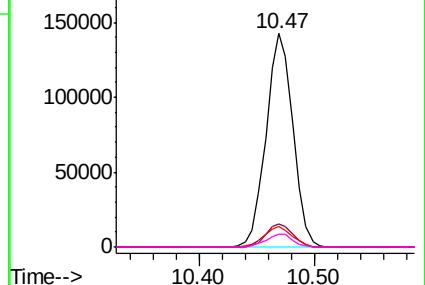


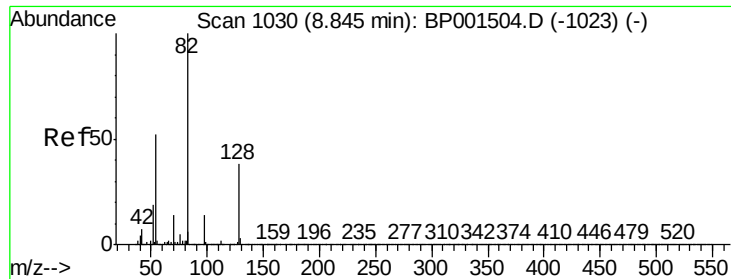
Abundance Ion 136.00 (135.70 to 136.70): E

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

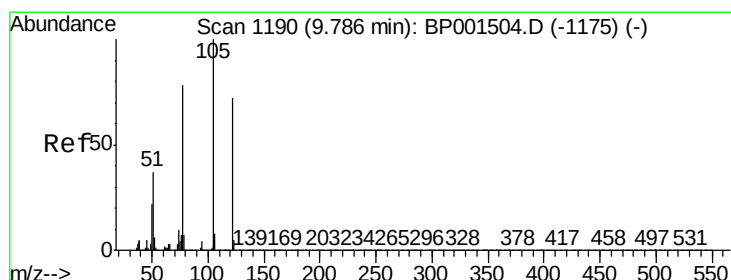
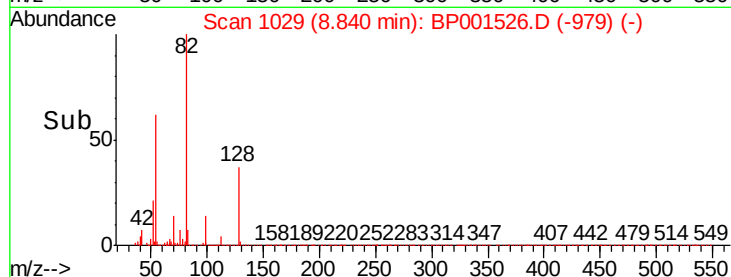
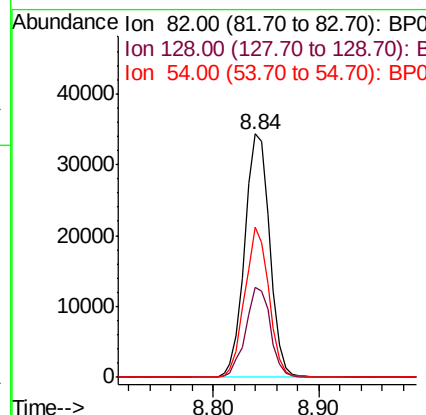
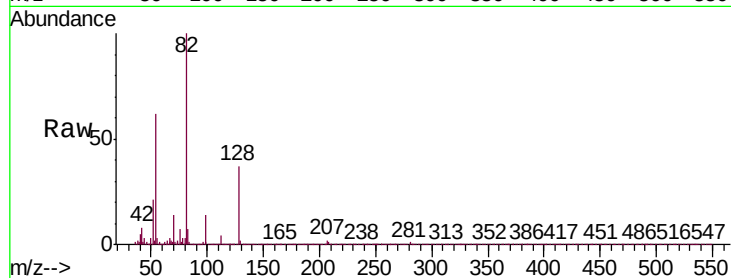




#23
Nitrobenzene-d5
Concen: 12.040 ng
RT: 8.84 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

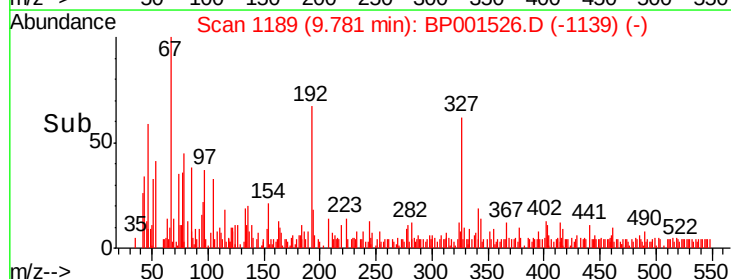
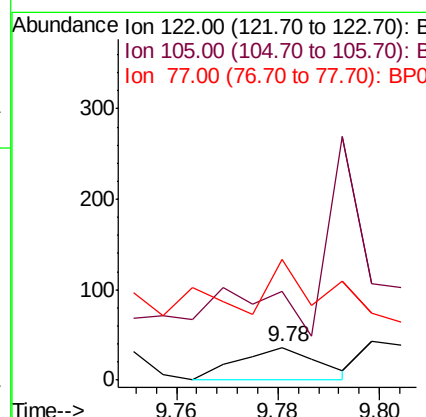
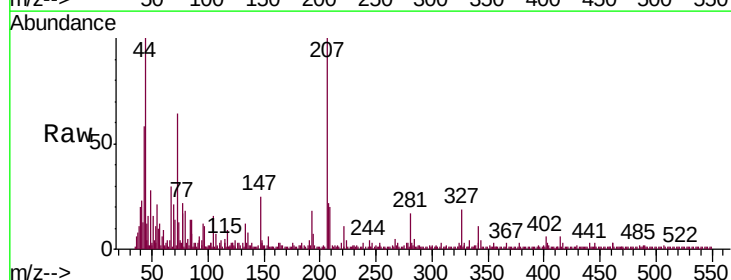
Instrument :
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ClientSampleId :
MC-123119-2-5-COMP-B4

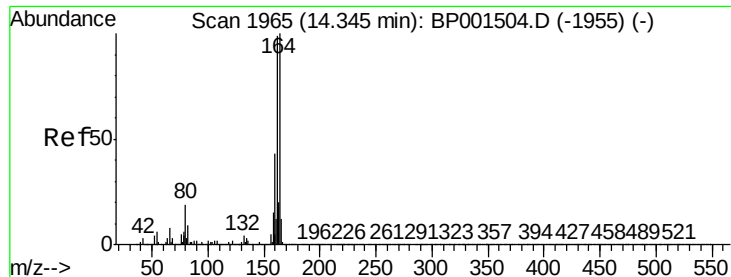
Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.1	45.1
54	61.9	41.8	62.6



#32
Benzoic acid
Concen: 7.784 ng
RT: 9.78 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
122	100		
105	272.2	111.1	151.1#
77	369.4	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: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

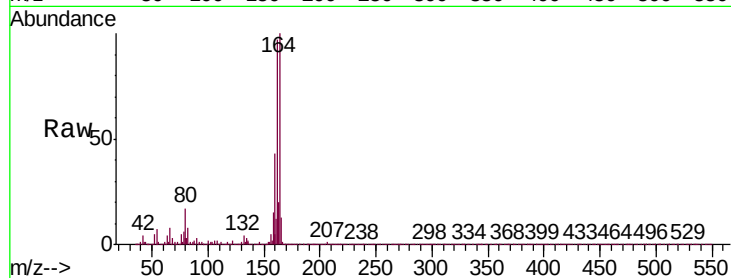
Tgt Ion:164 Resp: 143572

Ion Ratio Lower Upper

164 100

162 97.2 79.2 118.8

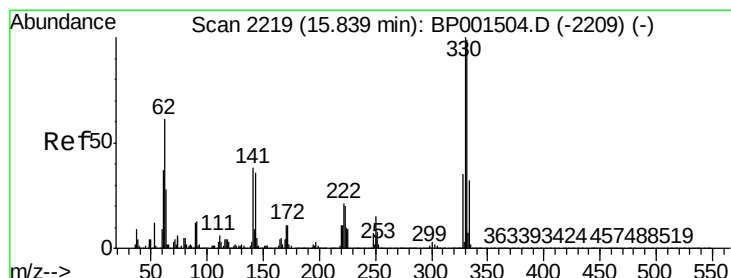
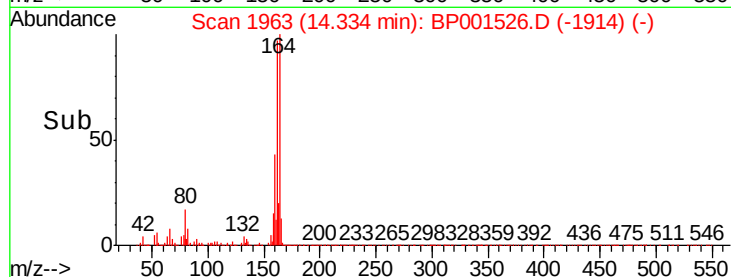
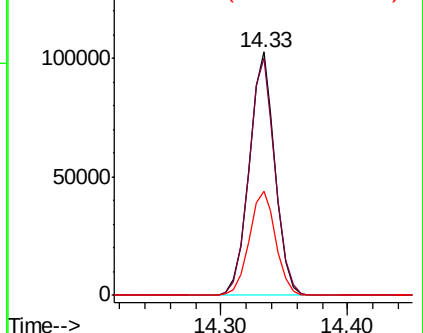
160 42.9 34.6 52.0



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: 18.341 ng

RT: 15.83 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

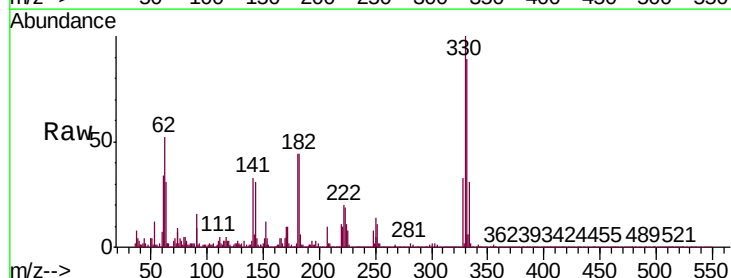
Tgt Ion:330 Resp: 29802

Ion Ratio Lower Upper

330 100

332 93.1 78.2 117.2

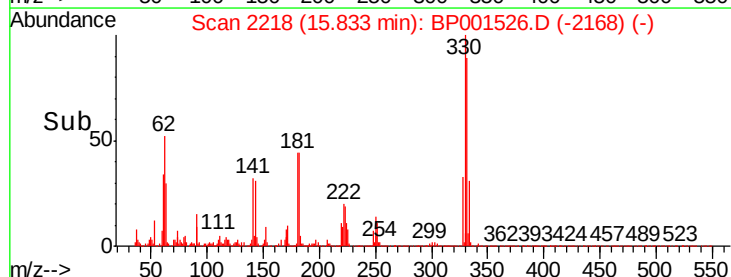
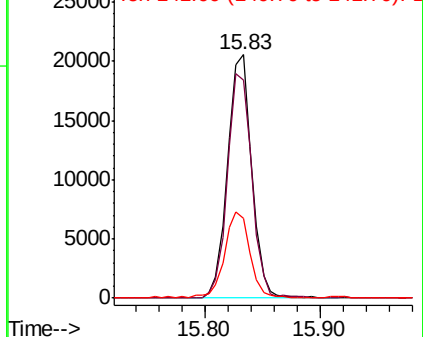
141 37.0 30.3 45.5

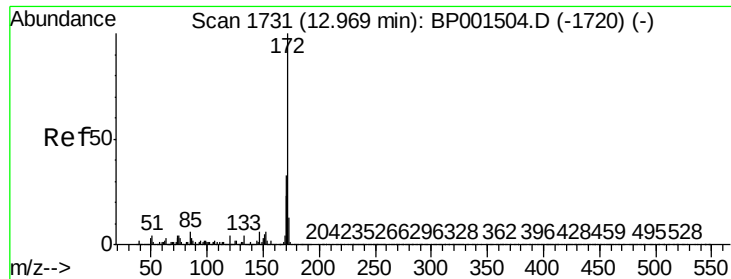


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

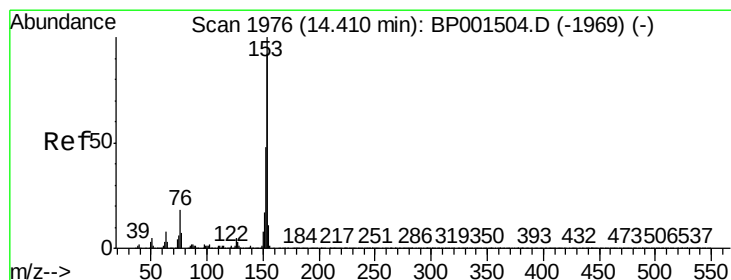
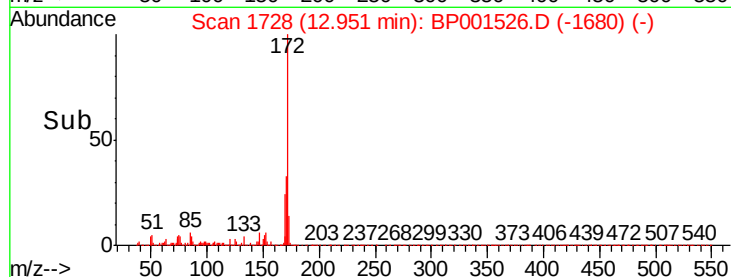
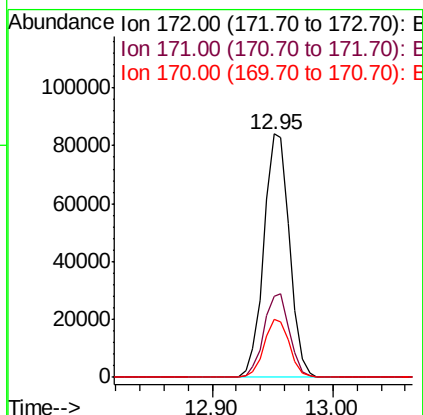
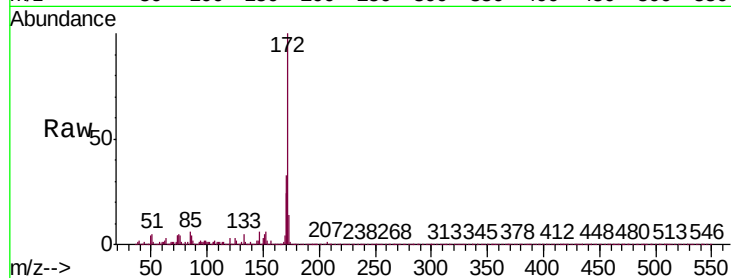




#45
2-Fluorobiphenyl
Concen: 12.725 ng
RT: 12.95 min Scan# 1728
Delta R.T. -0.02 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

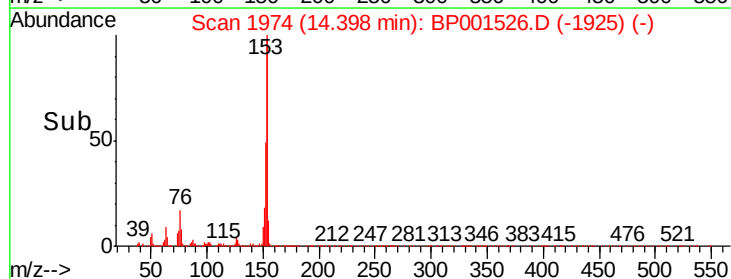
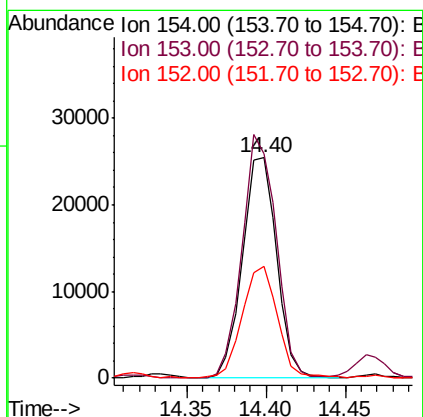
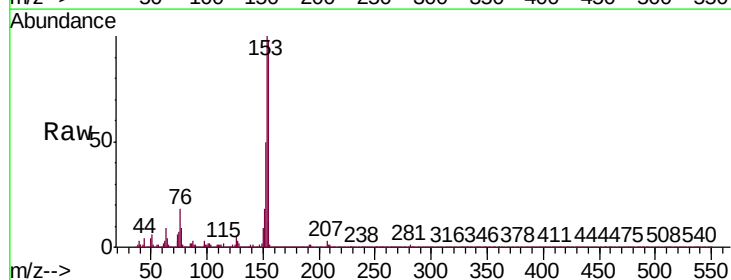
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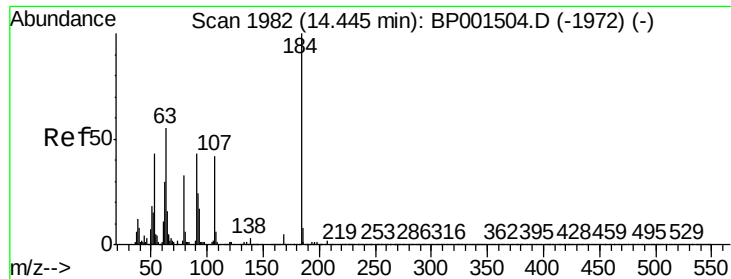
Tgt Ion:172 Resp: 124254
Ion Ratio Lower Upper
172 100
171 33.5 26.7 40.1
170 23.7 18.7 28.1



#52
Acenaphthene
Concen: 4.488 ng
RT: 14.40 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion:154 Resp: 38071
Ion Ratio Lower Upper
154 100
153 102.0 87.3 130.9
152 50.7 41.5 62.3

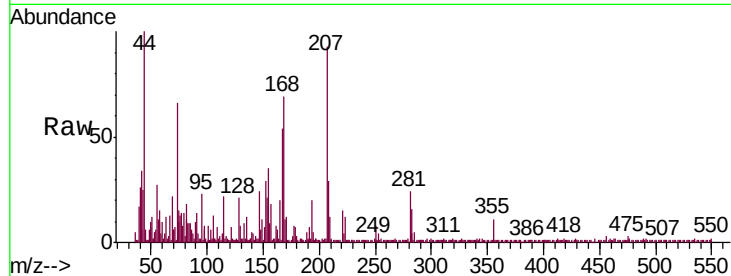




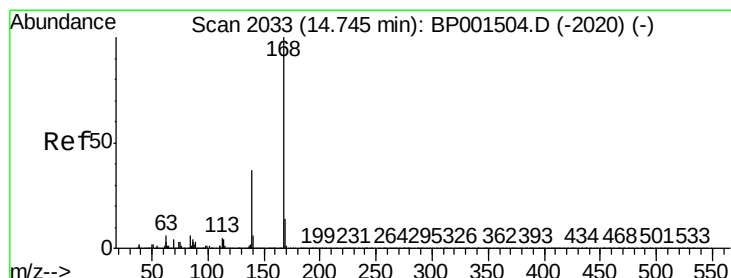
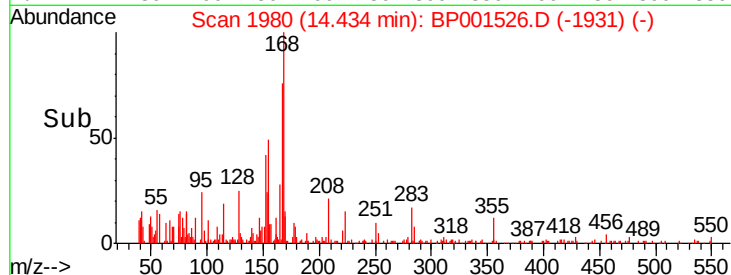
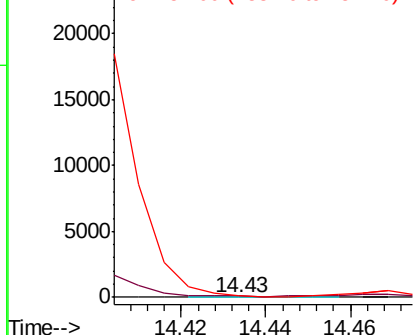
#54
2,4-Dinitrophenol
Concen: 6.465 ng
RT: 14.43 min Scan# 1980
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tgt Ion	Ratio	Lower	Upper
184	100		
63	610.5	50.0	75.0#
154	852.6	49.2	73.8#

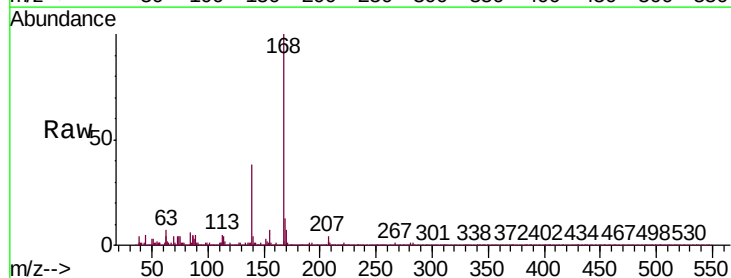


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 154.00 (153.70 to 154.70): E

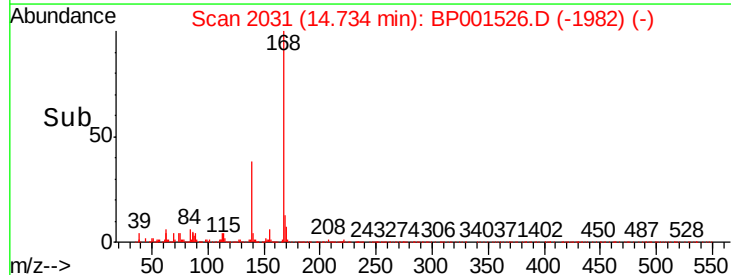
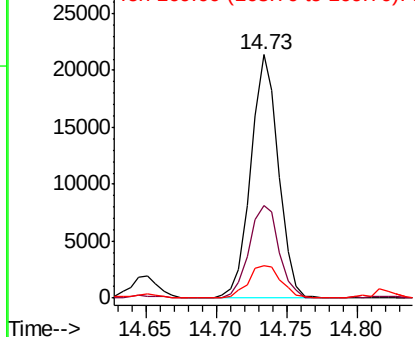


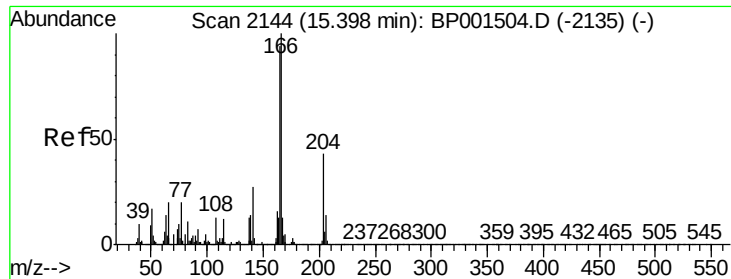
#55
Dibenzofuran
Concen: 2.260 ng
RT: 14.73 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.9	29.8	44.6
169	13.1	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 3.230 ng

RT: 15.39 min Scan# 2142

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

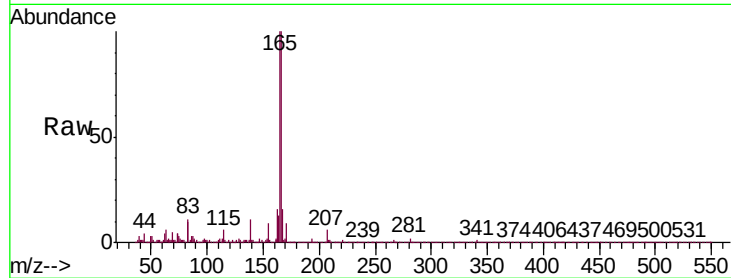
Tgt Ion:166 Resp: 31965

Ion Ratio Lower Upper

166 100

165 99.8 75.3 112.9

167 15.6 10.7 16.1

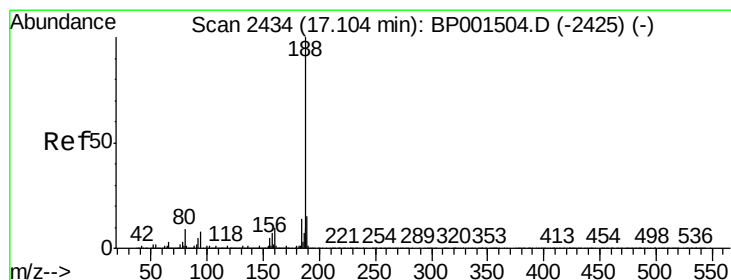
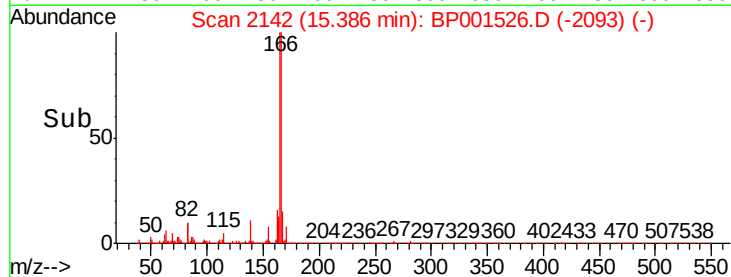
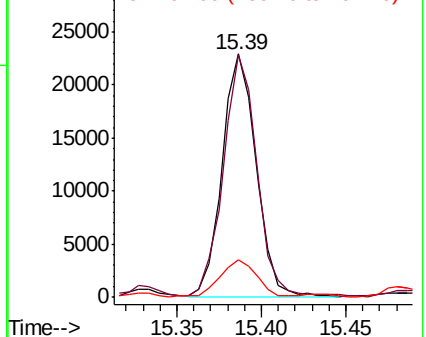


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.09 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

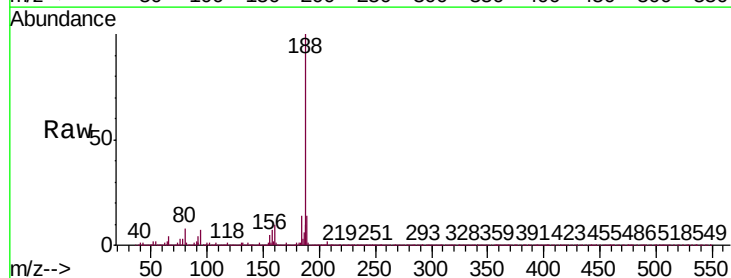
Tgt Ion:188 Resp: 318484

Ion Ratio Lower Upper

188 100

94 7.1 6.5 9.7

80 7.8 7.3 10.9

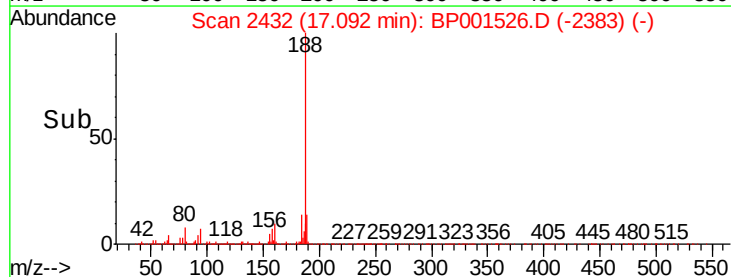
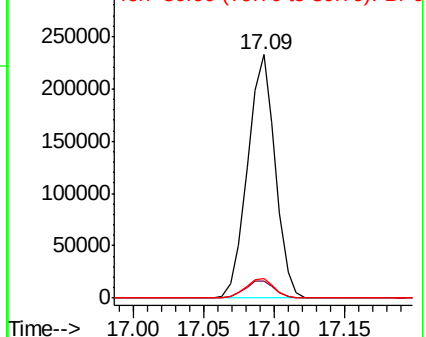


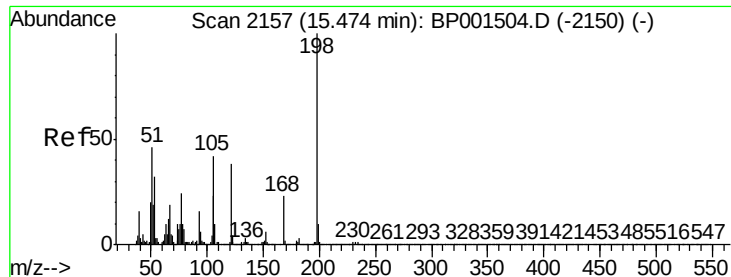
Abundance

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: 5.890 ng

RT: 15.47 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

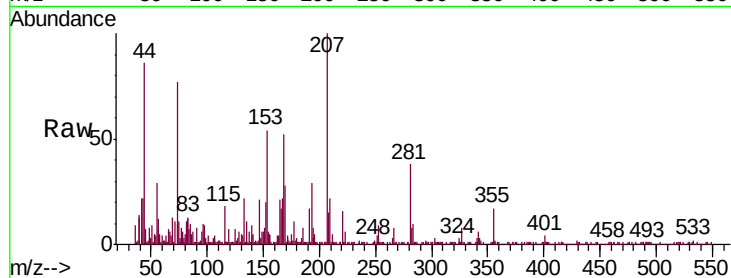
Tgt Ion:198 Resp: 28

Ion Ratio Lower Upper

198 100

51 642.1 26.9 66.9#

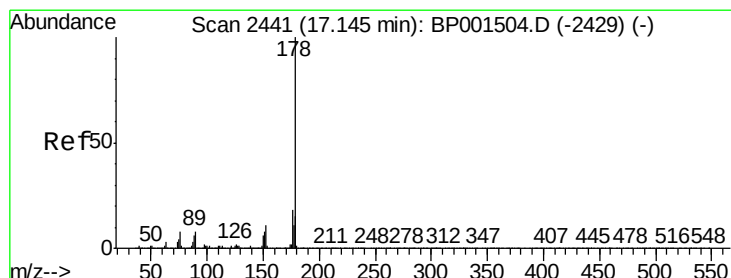
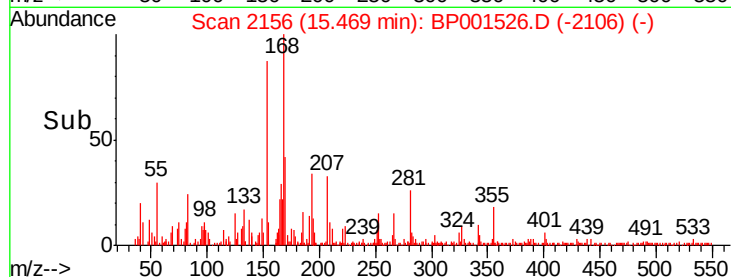
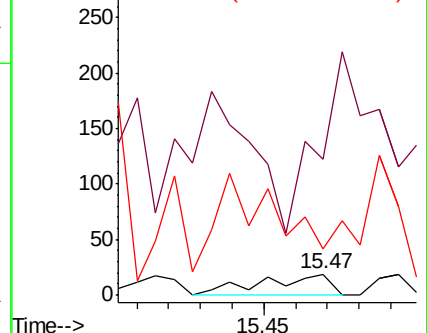
105 215.8 22.5 62.5#



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: 27.157 ng

RT: 17.13 min Scan# 2439

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

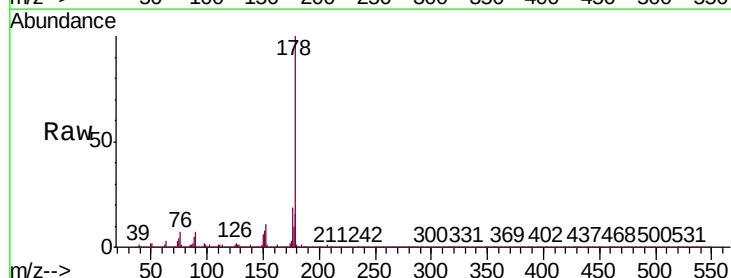
Tgt Ion:178 Resp: 469112

Ion Ratio Lower Upper

178 100

176 18.8 14.6 22.0

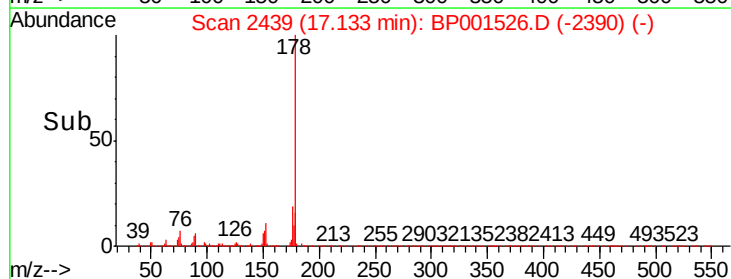
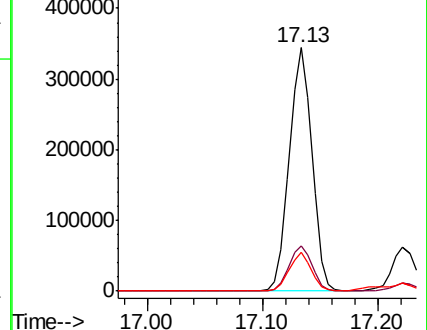
179 15.9 12.3 18.5

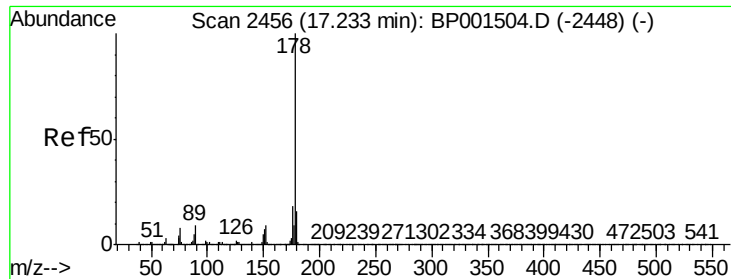


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

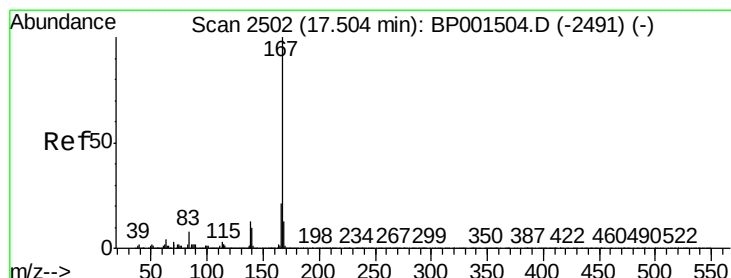
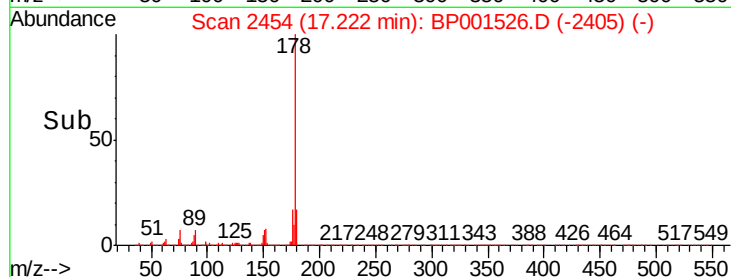
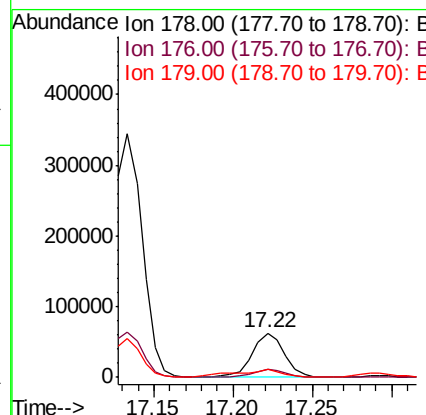
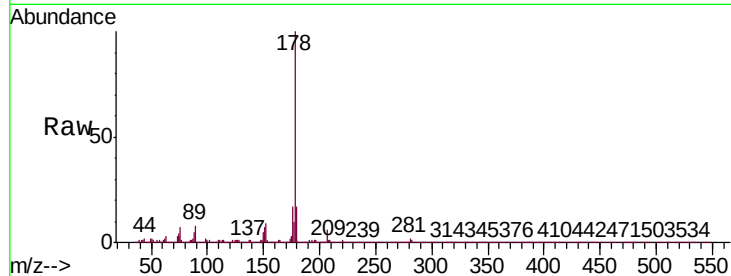




#72
 Anthracene
 Concen: 5.052 ng
 RT: 17.22 min Scan# 2454
 Delta R.T. -0.01 min
 Lab File: BP001526.D
 Acq: 04 Jan 2020 01:43

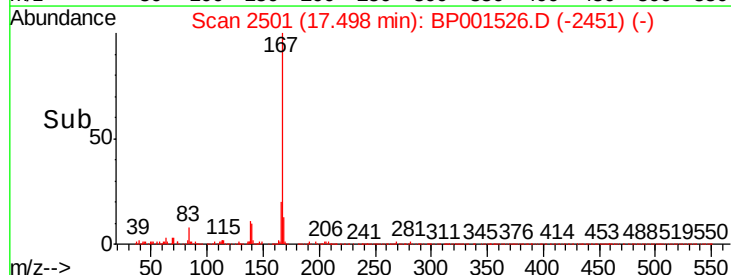
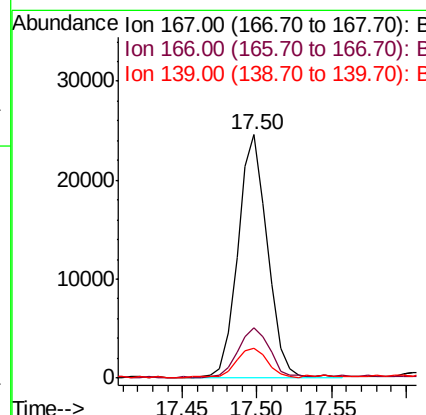
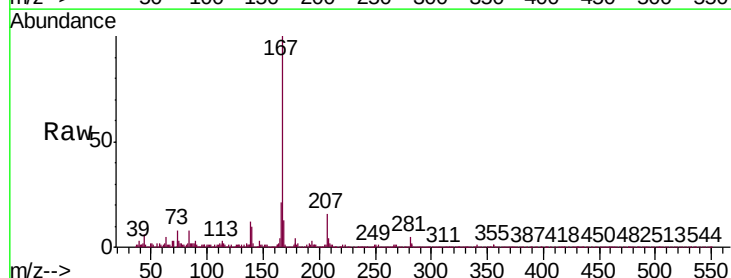
Instrument :
 BNA_P
 ClientSampleId :
 MC-123119-2-5-COMP-B4

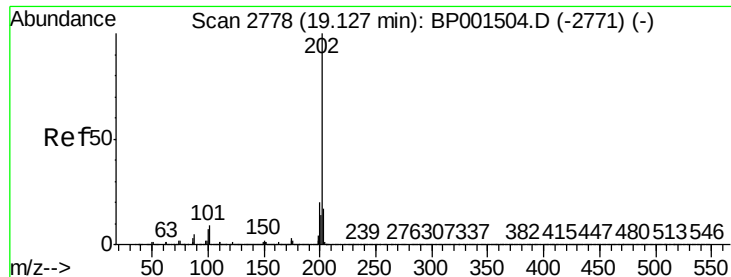
Tgt Ion:178 Resp: 86495
 Ion Ratio Lower Upper
 178 100
 176 17.2 14.4 21.6
 179 17.2 12.5 18.7



#73
 Carbazole
 Concen: 2.133 ng
 RT: 17.50 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BP001526.D
 Acq: 04 Jan 2020 01:43

Tgt Ion:167 Resp: 33796
 Ion Ratio Lower Upper
 167 100
 166 20.5 17.0 25.6
 139 12.2 10.2 15.4





#75

Fluoranthene

Concen: 34.785 ng

RT: 19.12 min Scan# 2776

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

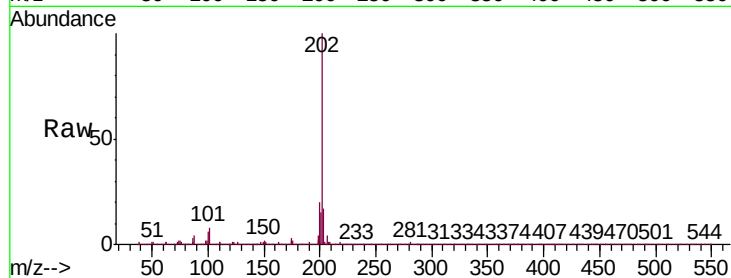
Tgt Ion: 202 Resp: 727391

Ion Ratio Lower Upper

202 100

101 7.8 0.0 29.3

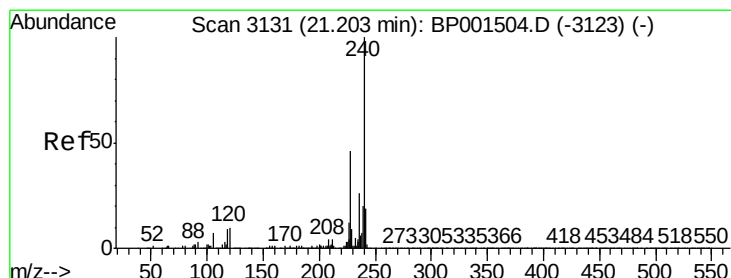
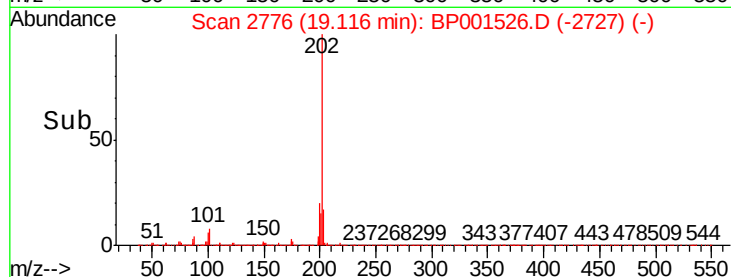
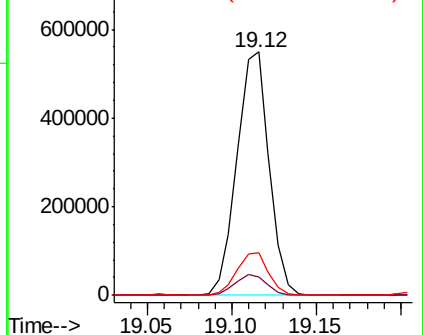
203 17.5 0.0 36.7



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# 3129

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

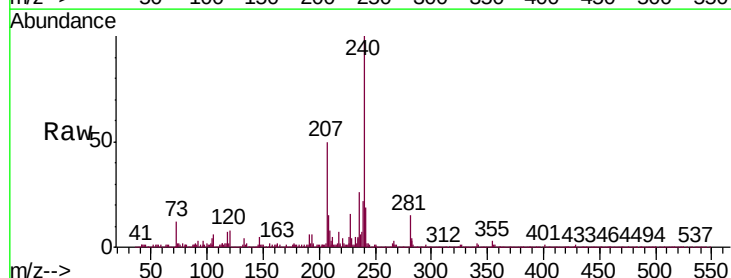
Tgt Ion: 240 Resp: 297179

Ion Ratio Lower Upper

240 100

120 7.8 8.1 12.1#

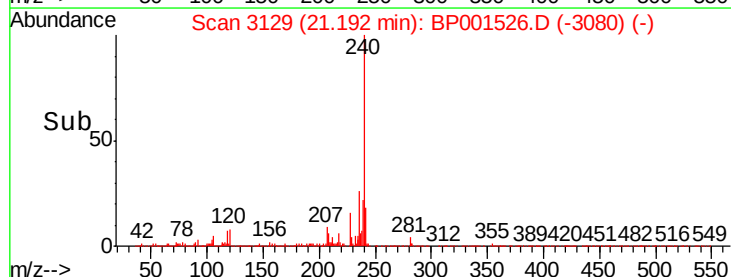
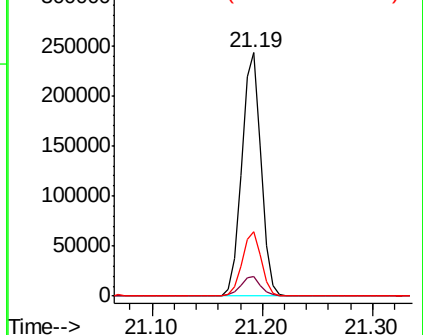
236 26.4 20.9 31.3

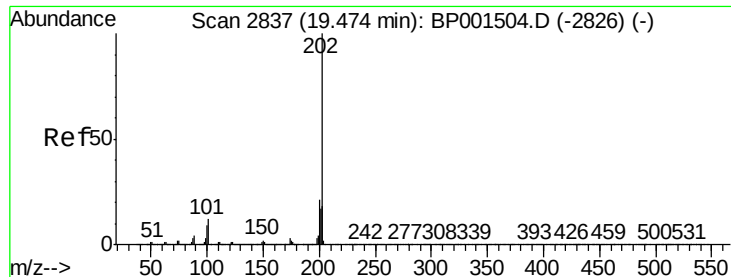


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 33.647 ng

RT: 19.46 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

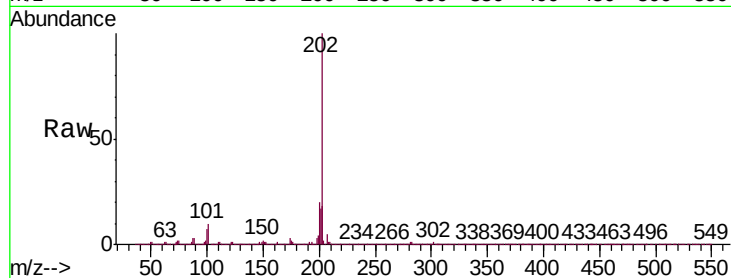
Tgt Ion: 202 Resp: 725594

Ion Ratio Lower Upper

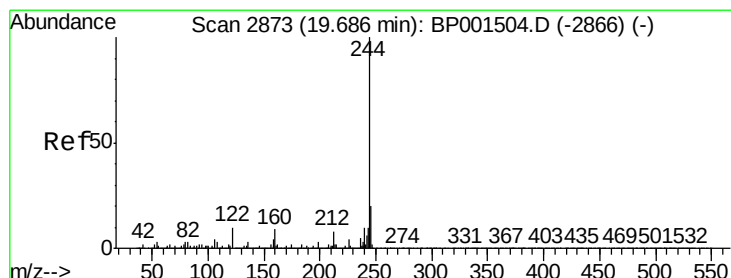
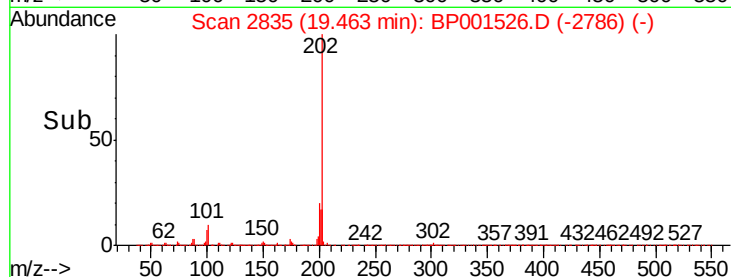
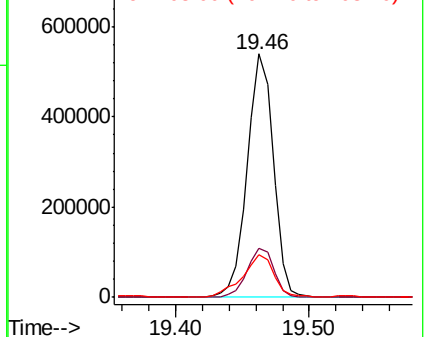
202 100

200 20.4 16.4 24.6

203 17.5 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: 13.130 ng

RT: 19.67 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

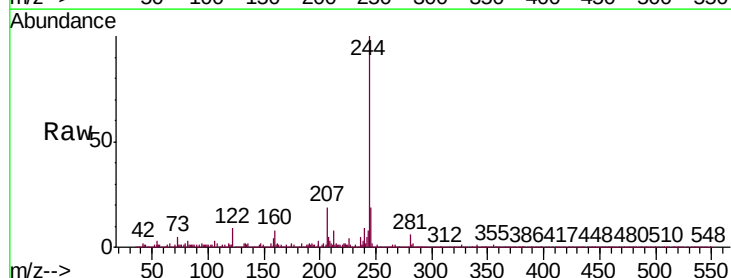
Tgt Ion: 244 Resp: 195800

Ion Ratio Lower Upper

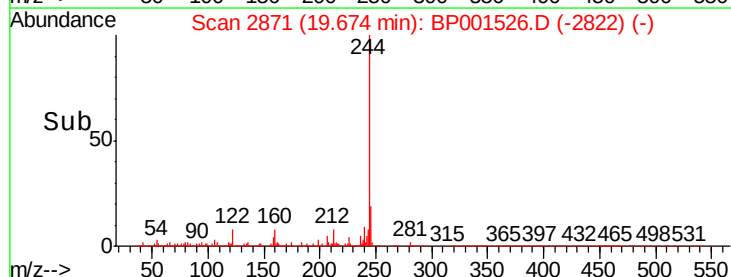
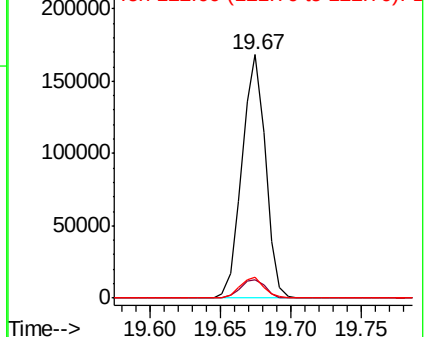
244 100

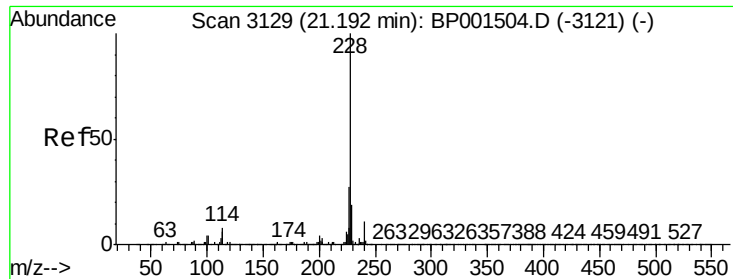
212 7.7 6.6 9.8

122 8.6 7.8 11.6



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

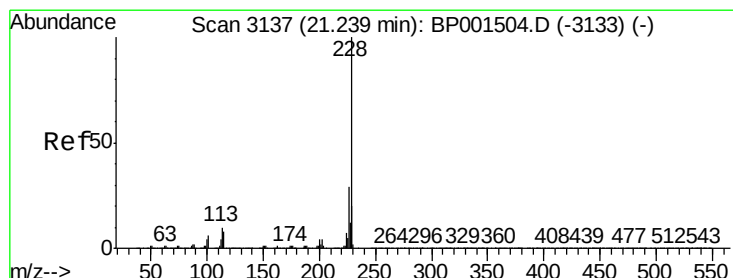
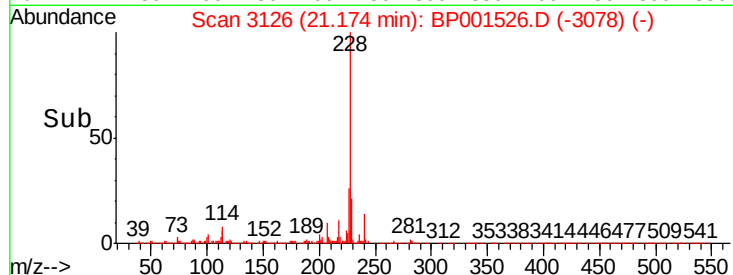
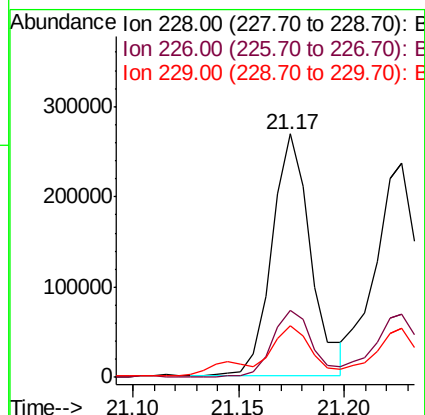
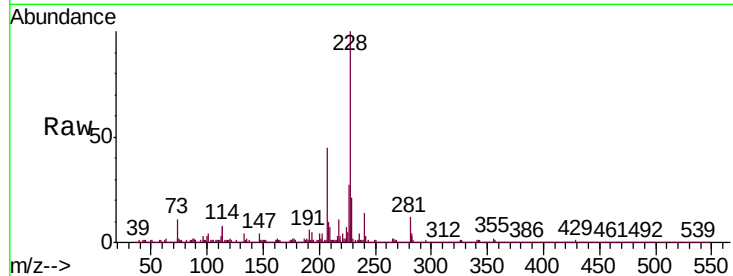




#81
Benzo(a)anthracene
Concen: 16.544 ng
RT: 21.17 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

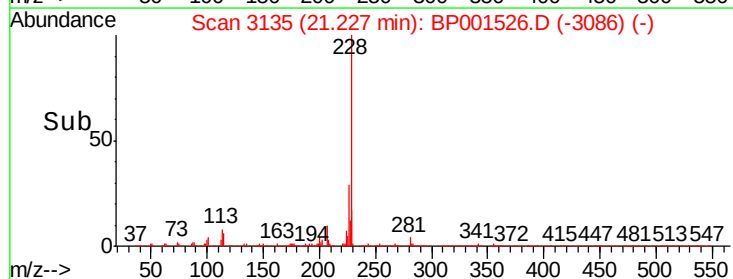
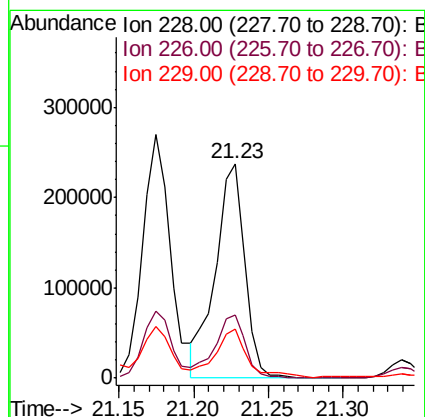
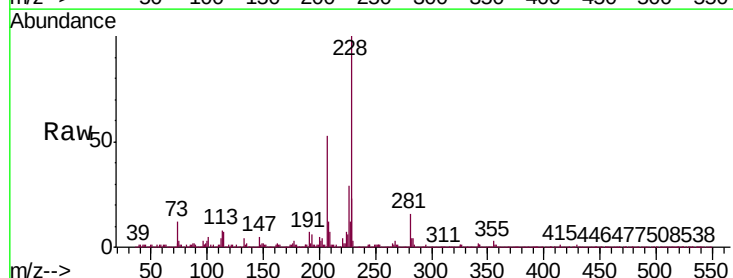
Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

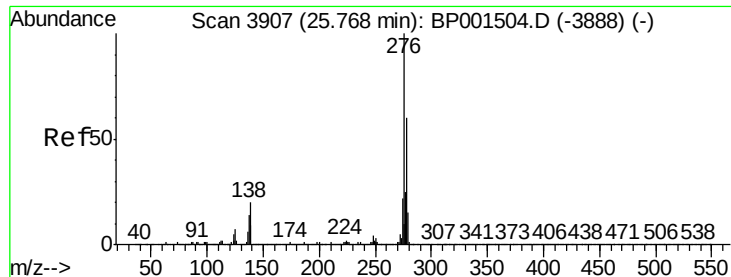
Tgt Ion:228 Resp: 344981
Ion Ratio Lower Upper
228 100
226 27.4 21.5 32.3
229 21.1 15.4 23.2



#83
Chrysene
Concen: 16.373 ng
RT: 21.23 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion:228 Resp: 327364
Ion Ratio Lower Upper
228 100
226 29.4 23.0 34.6
229 22.7 15.7 23.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 7.301 ng

RT: 25.72 min Scan# 3899

Delta R.T. -0.05 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

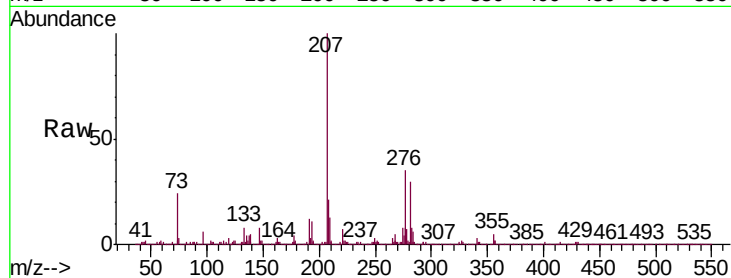
Tgt Ion: 276 Resp: 177661

Ion Ratio Lower Upper

276 100

138 15.2 17.8 26.8#

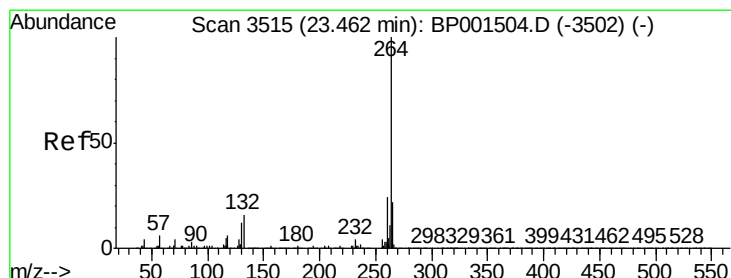
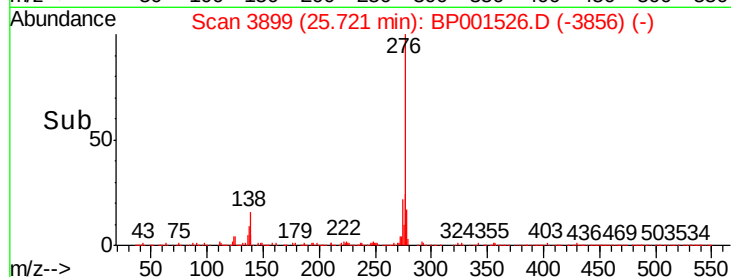
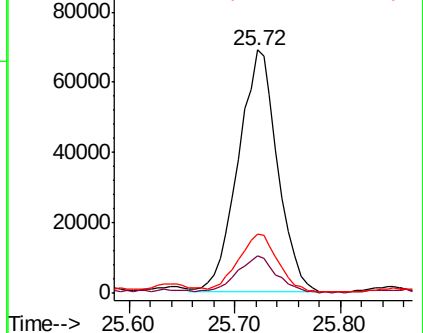
277 24.0 20.0 30.0



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: BP001526.D

Acq: 04 Jan 2020 01:43

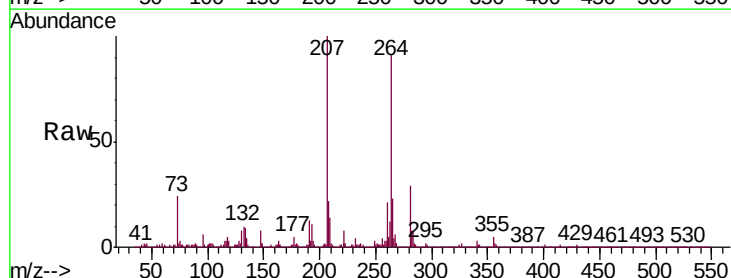
Tgt Ion: 264 Resp: 325739

Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.4

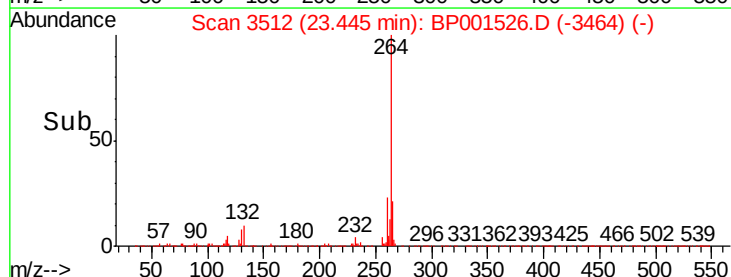
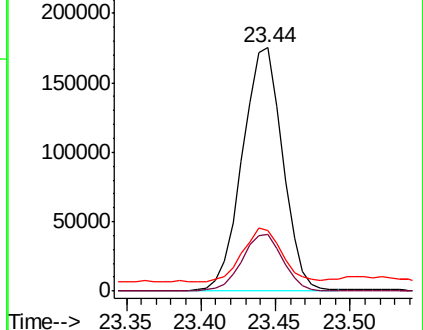
265 24.8 17.2 25.8

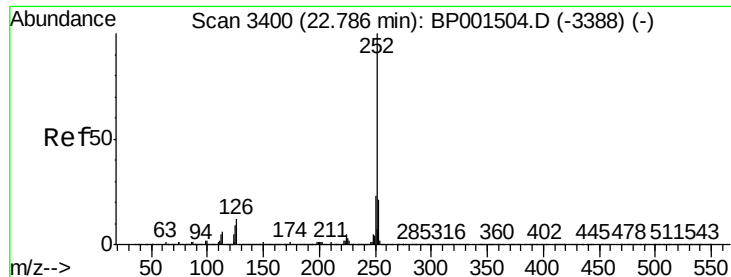


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 19.185 ng

RT: 22.77 min Scan# 3397

Delta R.T. -0.02 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

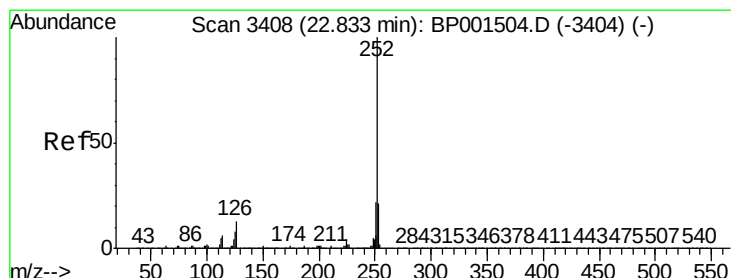
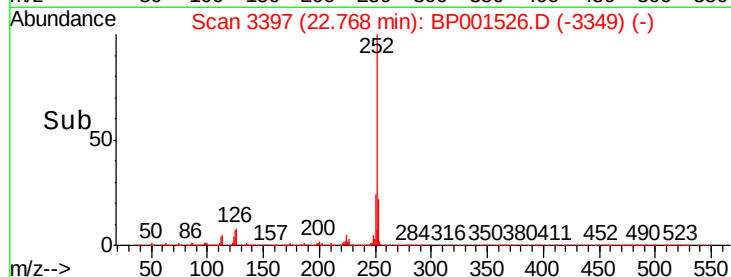
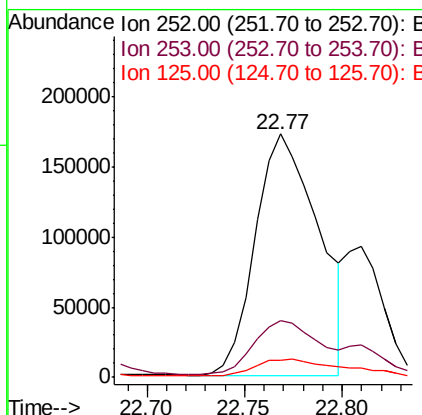
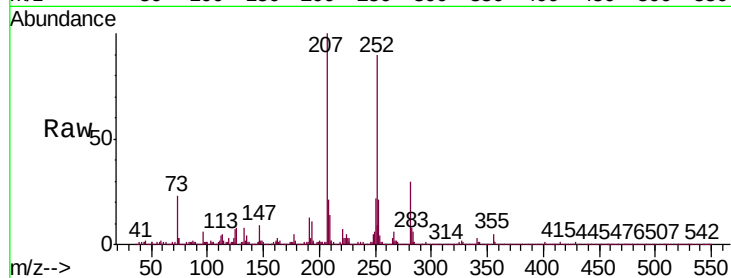
Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

Tgt Ion:	252	Resp:	386940
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	7.3	7.2	10.8



#89

Benzo(k)fluoranthene

Concen: 20.028 ng

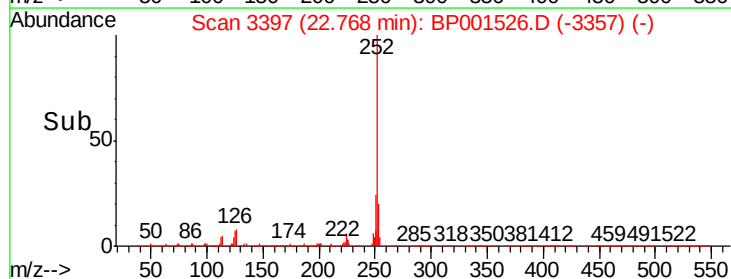
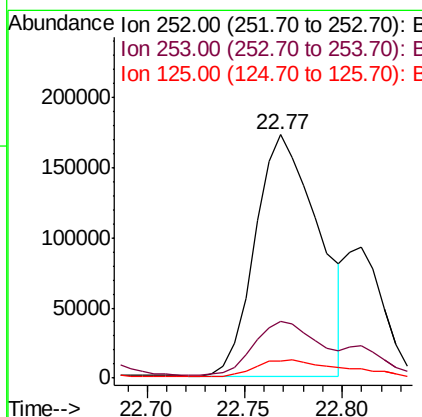
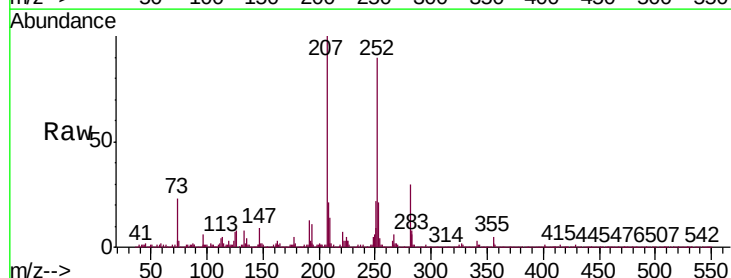
RT: 22.77 min Scan# 3397

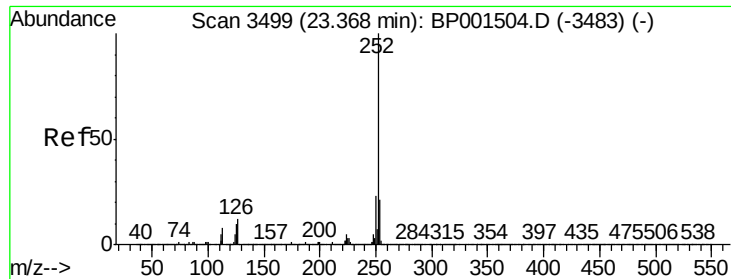
Delta R.T. -0.06 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Tgt Ion:	252	Resp:	386940
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	7.3	6.6	10.0





#90

Benzo(a)pyrene

Concen: 15.808 ng

RT: 23.34 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

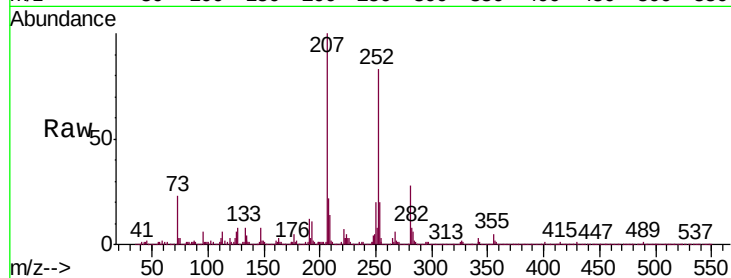
Tgt Ion:252 Resp: 298452

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

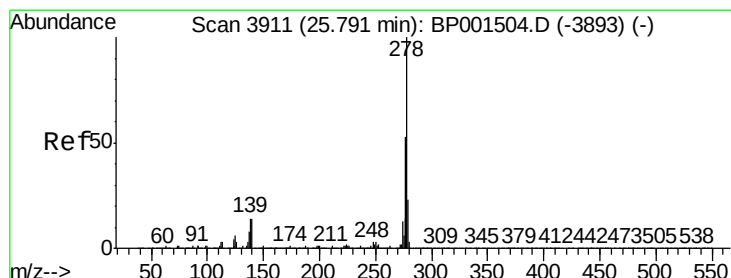
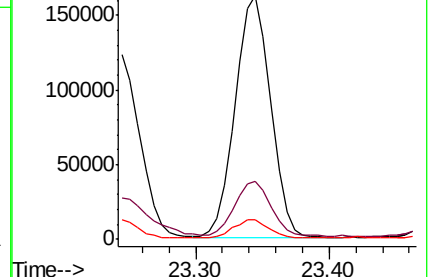
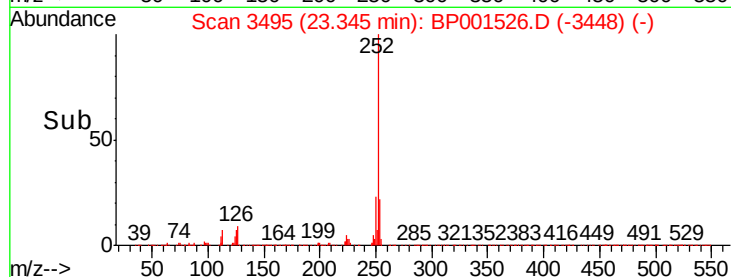
125 7.8 7.7 11.5



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: 2.515 ng

RT: 25.73 min Scan# 3900

Delta R.T. -0.06 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

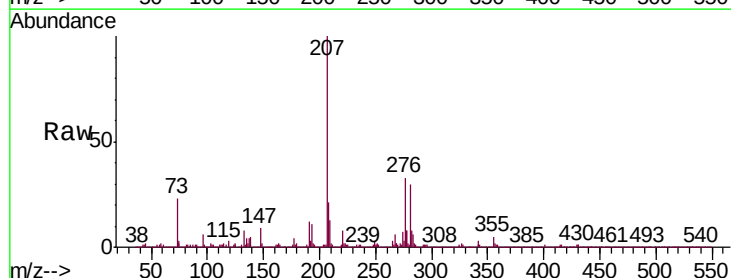
Tgt Ion:278 Resp: 47197

Ion Ratio Lower Upper

278 100

139 14.7 11.3 16.9

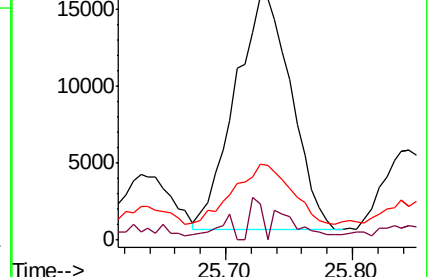
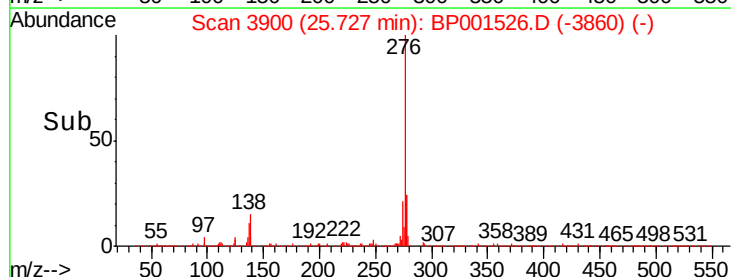
279 31.4 18.2 27.2#

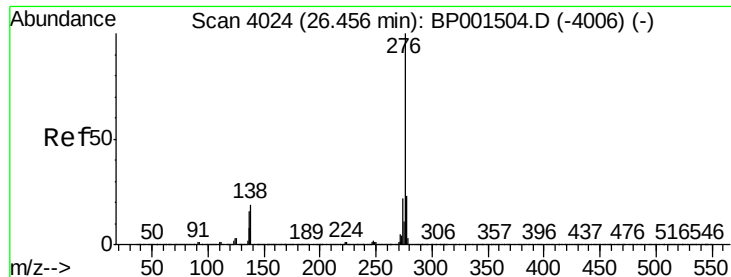


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 9.606 ng

RT: 26.42 min Scan# 4017

Delta R.T. -0.04 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

ClientSampleId :

MC-123119-2-5-COMP-B4

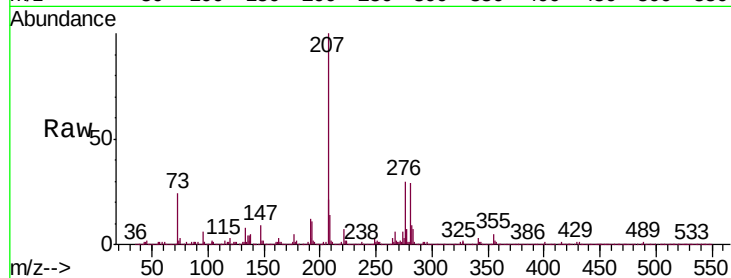
Tgt Ion: 276 Resp: 179767

Ion Ratio Lower Upper

276 100

277 24.4 18.7 28.1

138 16.0 15.0 22.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

