

Data File : BP001521.D
Acq On : 03 Jan 2020 22:54
Operator : JU
Sample : L1011-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B7

Quant Time: Jan 04 03:00:49 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	79948	20.00	ng	-0.01
21) Naphthalene-d8	10.48	136	303967	20.00	ng	0.00
39) Acenaphthene-d10	14.33	164	194403	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	416336	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	344864	20.00	ng	-0.01
87) Perylene-d12	23.45	264	378787	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	498953	104.85	ng	0.04
7) Phenol-d6	6.92	99	695078	108.44	ng	0.04
23) Nitrobenzene-d5	8.85	82	435304	70.73	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	234818	106.73	ng	0.00
45) 2-Fluorobiphenyl	12.96	172	850496	64.33	ng	-0.01
79) Terphenyl-d14	19.68	244	1184764	68.46	ng	0.00

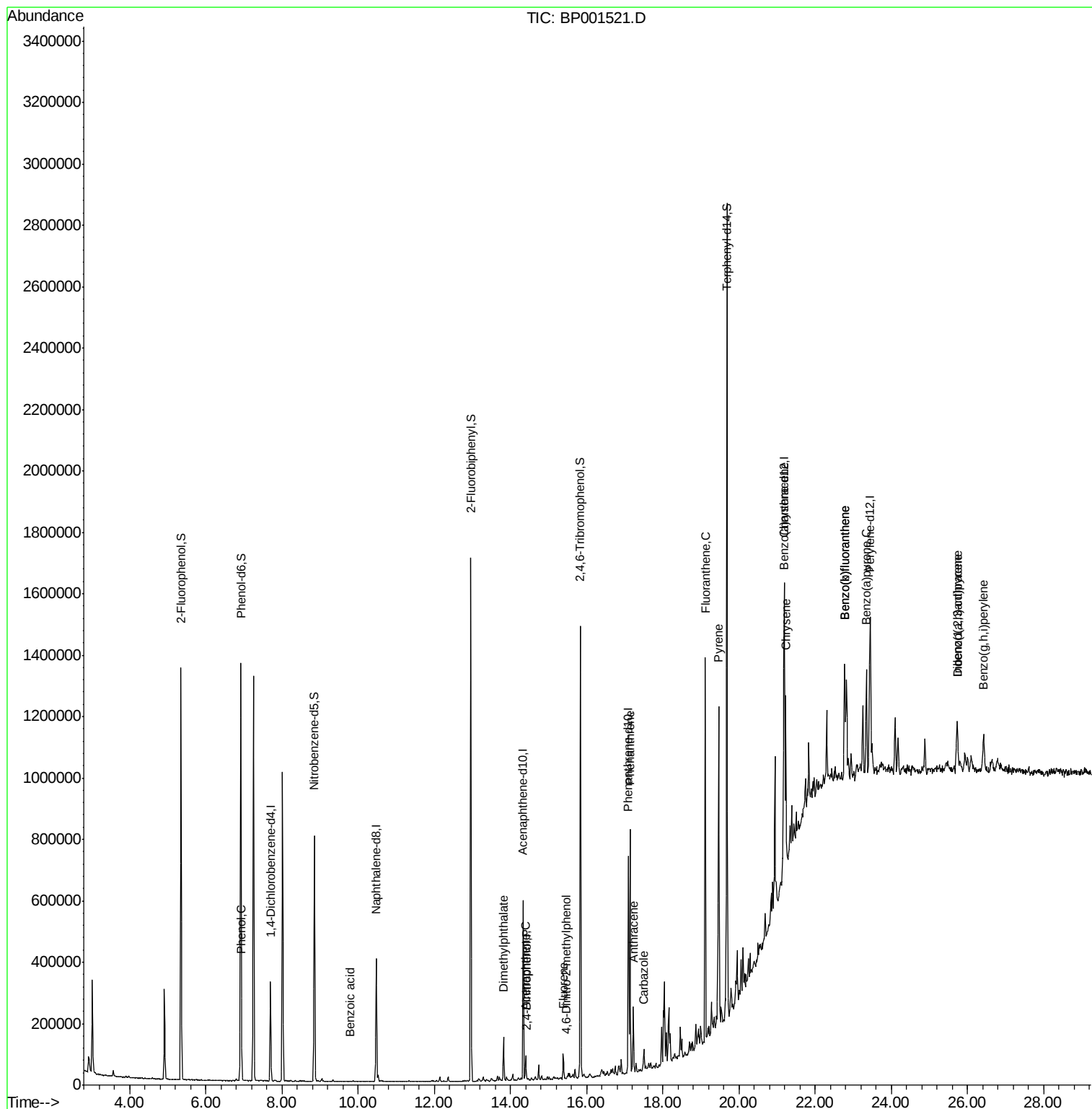
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.81	77	240	Below Cal		# 43
10) Phenol	6.94	94	22283	3.305	ng	93
32) Benzoic acid	9.78	122	170	7.819	ng	# 86
50) Dimethylphthalate	13.82	163	83071	5.467	ng	99
52) Acenaphthene	14.40	154	27401	2.386	ng	100
54) 2,4-Dinitrophenol	14.42	184	12	6.458	ng	# 1
58) Fluorene	15.39	166	32413	2.419	ng	96
65) 4,6-Dinitro-2-methylphenol	15.46	198	26	5.884	ng	# 1
71) Phenanthrene	17.14	178	489515	21.678	ng	99
72) Anthracene	17.23	178	119459	5.338	ng	98
73) Carbazole	17.50	167	42829	2.068	ng	99
75) Fluoranthene	19.12	202	724924	26.519	ng	99
78) Pyrene	19.47	202	666137	26.619	ng	99
81) Benzo(a)anthracene	21.17	228	326108	13.477	ng	99
83) Chrysene	21.23	228	301144	12.979	ng	95
86) Indeno(1,2,3-cd)pyrene	25.73	276	171020	6.056	ng	# 95
88) Benzo(b)fluoranthene	22.77	252	366077	15.608	ng	96
89) Benzo(k)fluoranthene	22.77	252	366077	16.295	ng	97
90) Benzo(a)pyrene	23.35	252	270462	12.319	ng	96
91) Dibenzo(a,h)anthracene	25.74	278	46540	2.133	ng	# 73
92) Benzo(g,h,i)perylene	26.42	276	161545	7.423	ng	97

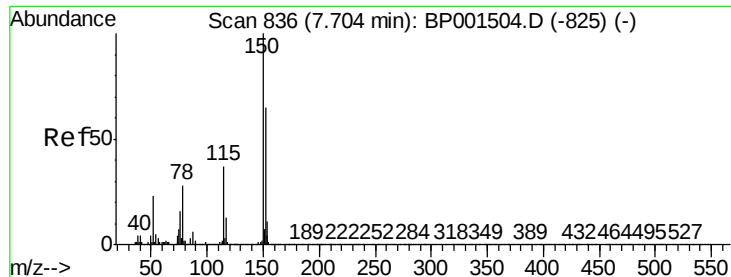
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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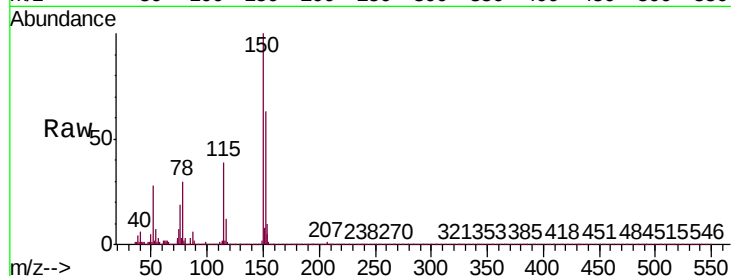


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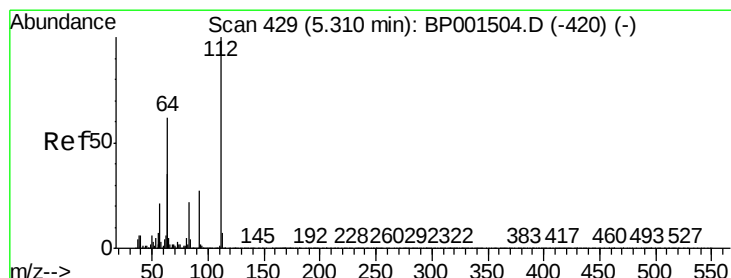
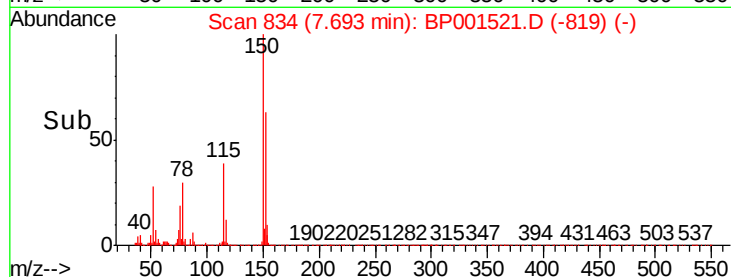
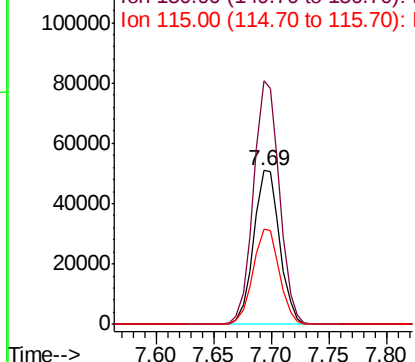
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 834
Delta R.T. -0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B7

Tgt Ion:152 Resp: 79948
Ion Ratio Lower Upper
152 100
150 158.4 123.6 185.4
115 61.7 45.8 68.6



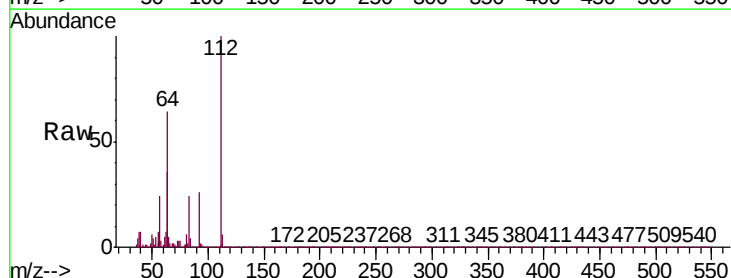
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



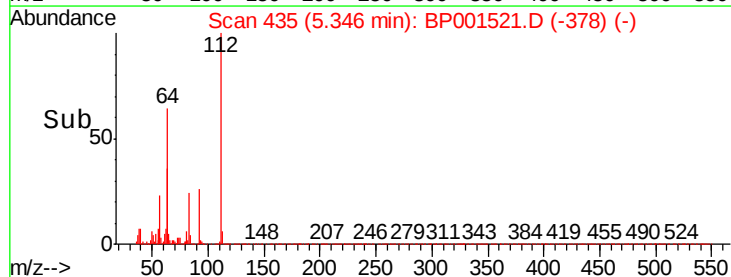
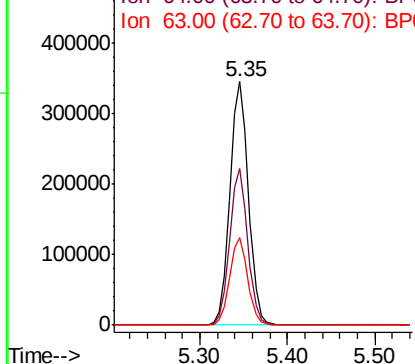
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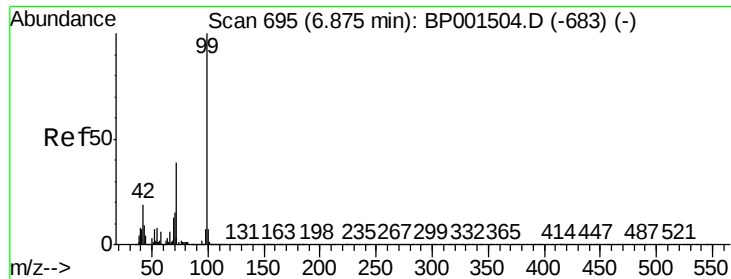
2-Fluorophenol
Concen: 104.849 ng
RT: 5.35 min Scan# 435
Delta R.T. 0.04 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Tgt Ion:112 Resp: 498953
Ion Ratio Lower Upper
112 100
64 64.2 49.7 74.5
63 36.1 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: 108.442 ng

RT: 6.92 min Scan# 702

Delta R.T. 0.04 min

Lab File: BP001521.D

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Instrument :

BNA_P

ClientSampleId :

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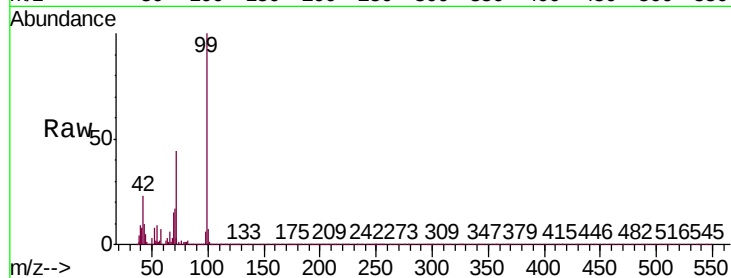
Tgt Ion: 99 Resp: 695078

Ion Ratio Lower Upper

99 100

42 22.6 15.3 22.9

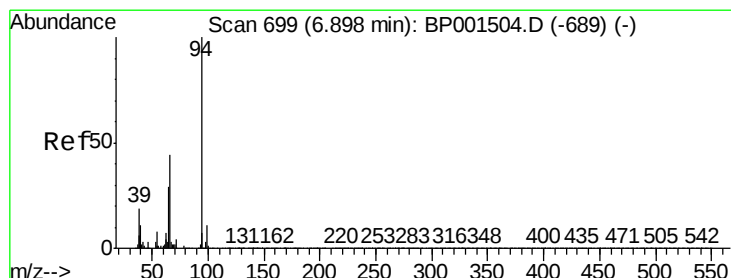
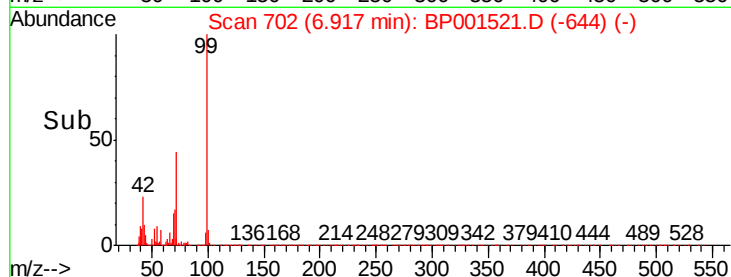
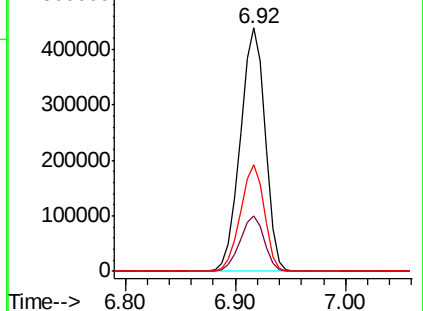
71 43.6 30.9 46.3



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



#10

Phenol

Concen: 3.305 ng

RT: 6.94 min Scan# 706

Delta R.T. 0.04 min

Lab File: BP001521.D

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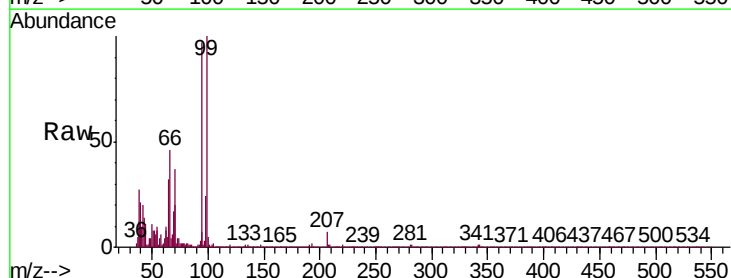
Tgt Ion: 94 Resp: 22283

Ion Ratio Lower Upper

94 100

65 33.4 9.2 49.2

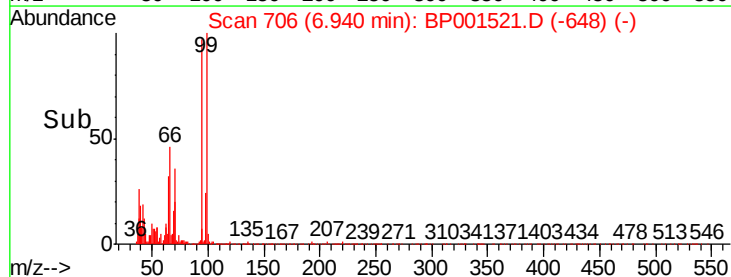
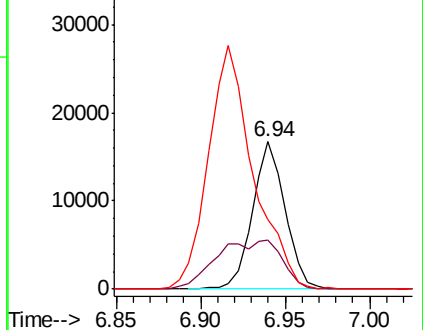
66 47.5 23.8 63.8

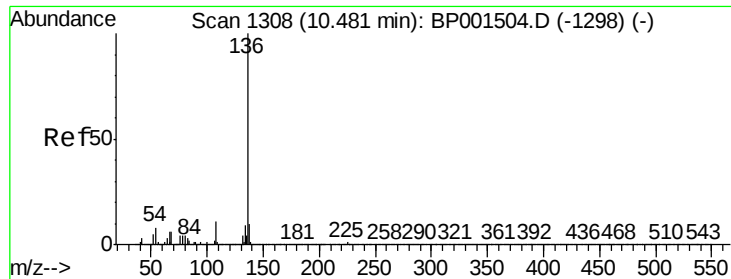


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

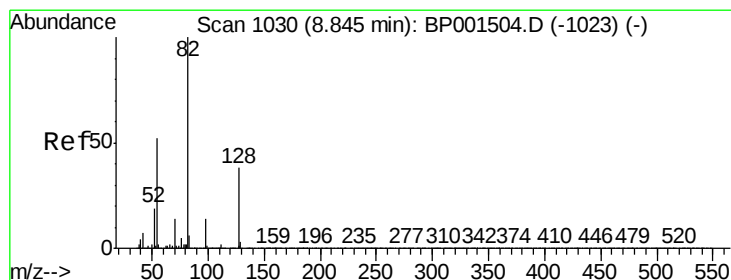
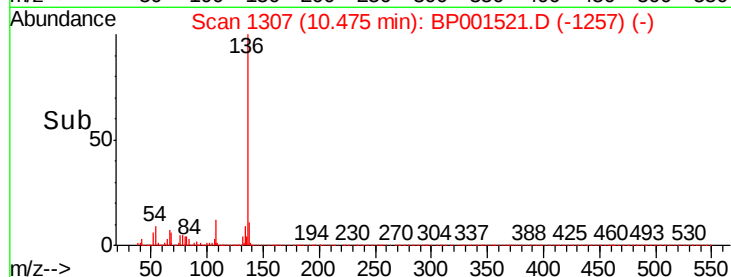
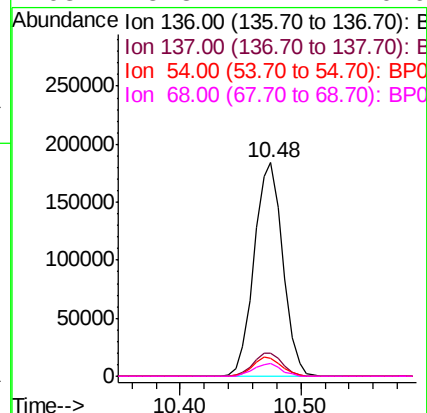
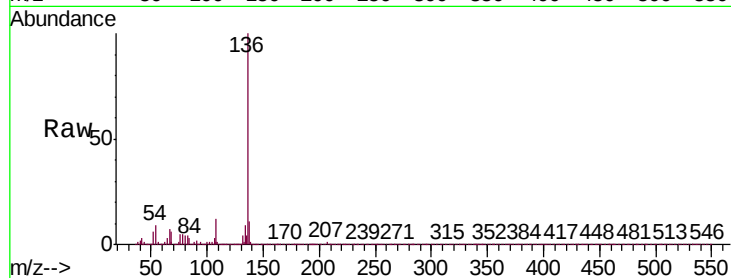




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

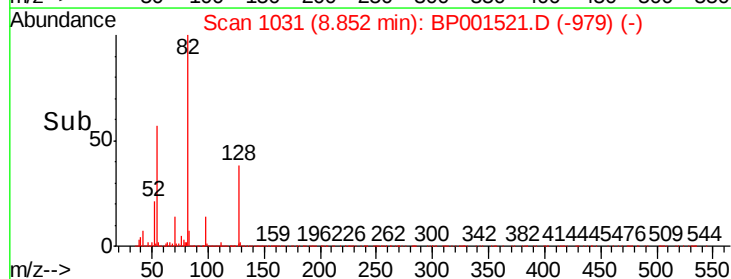
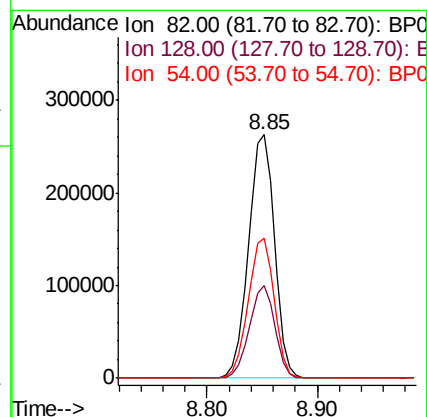
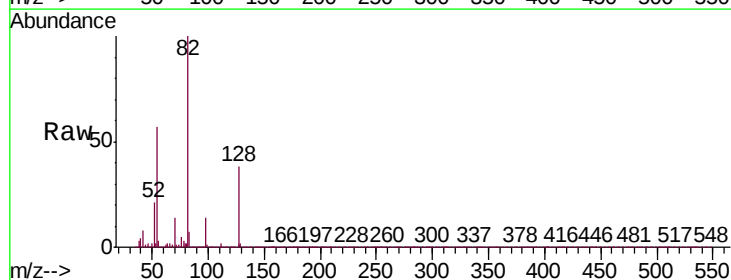
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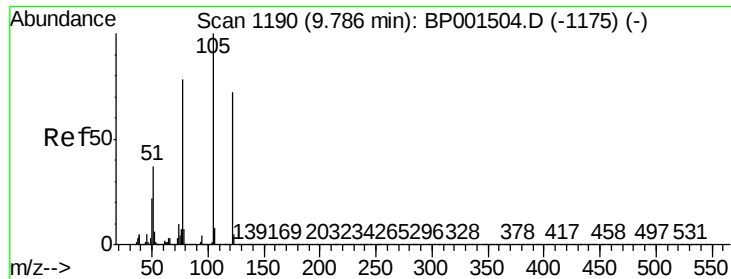
Tgt Ion:	136	Resp:	303967
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	8.6	6.7	10.1
68	5.8	4.4	6.6



#23
Nitrobenzene-d5
Concen: 70.733 ng
RT: 8.85 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Tgt Ion:	82	Resp:	435304
Ion	Ratio	Lower	Upper
82	100		
128	38.2	30.1	45.1
54	57.4	41.8	62.6

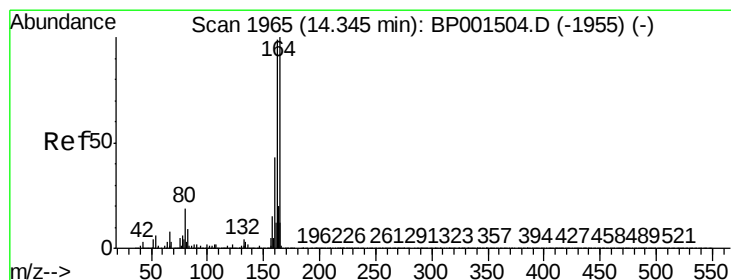
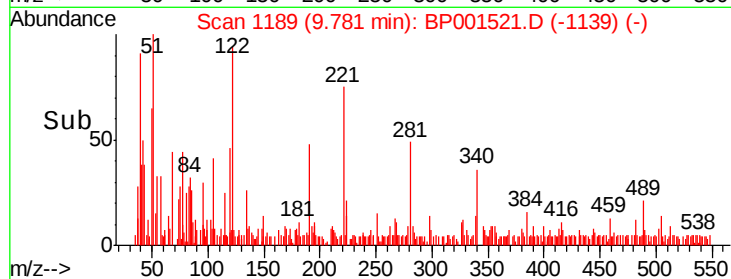
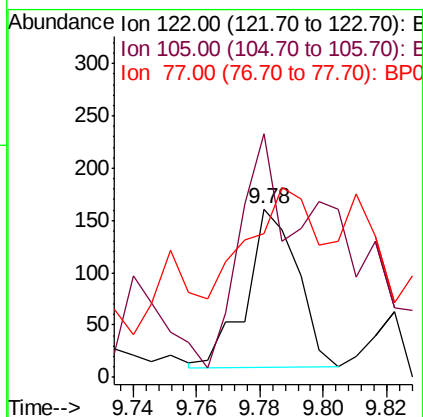
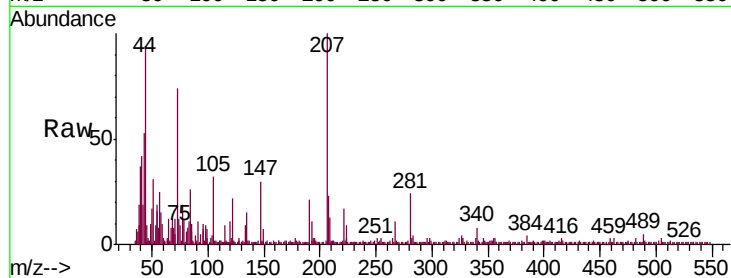




#32
Benzoic acid
Concen: 7.819 ng
RT: 9.78 min Scan# 1189
Delta R.T. -0.00 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

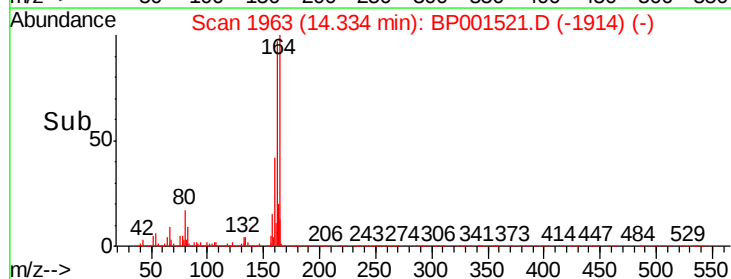
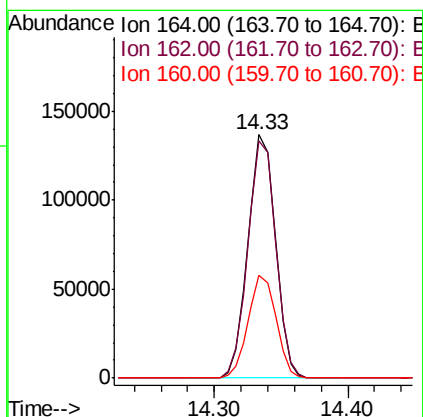
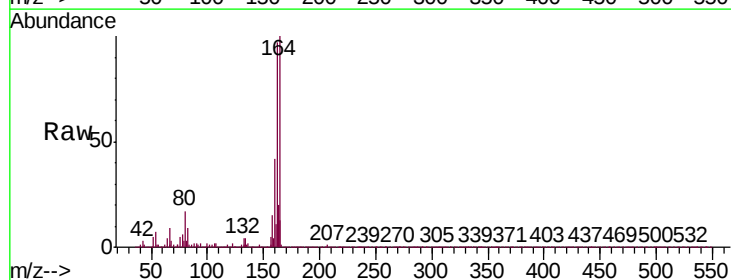
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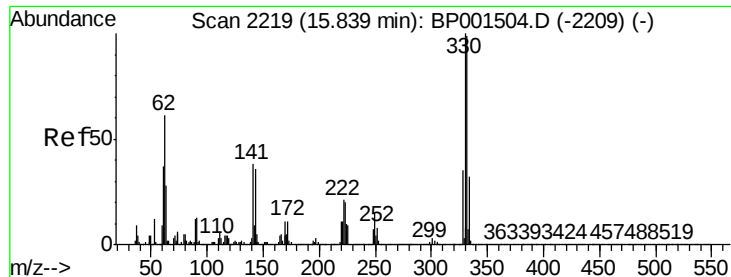
Tgt Ion:122 Resp: 170
Ion Ratio Lower Upper
122 100
105 141.2 111.1 151.1
77 83.6 85.9 125.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Tgt Ion:164 Resp: 194403
Ion Ratio Lower Upper
164 100
162 97.3 79.2 118.8
160 42.0 34.6 52.0

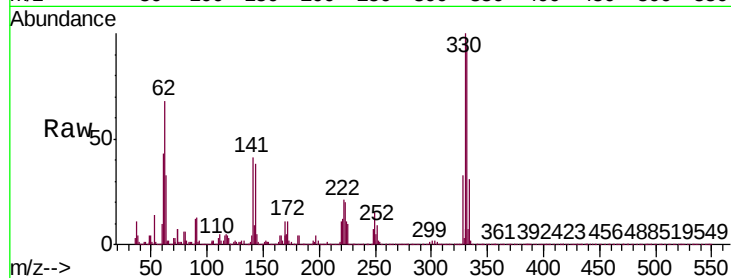




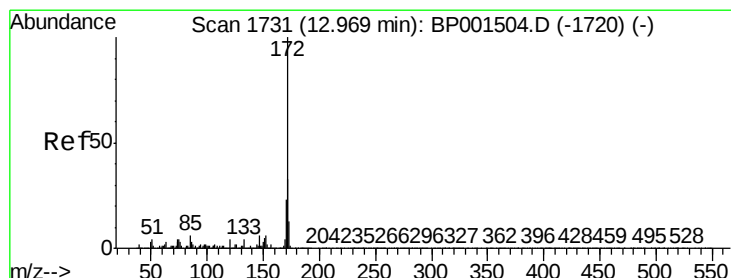
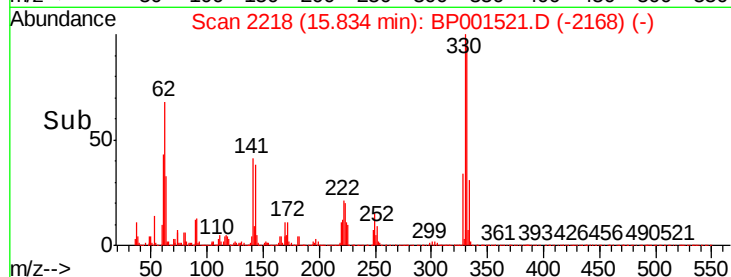
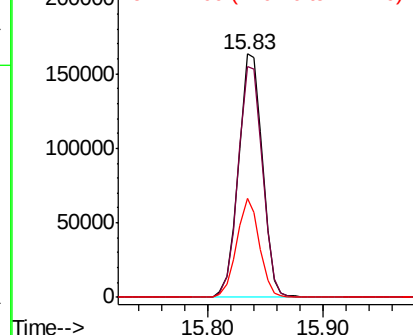
#42
 2,4,6-Tribromophenol
 Concen: 106.726 ng
 RT: 15.83 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BP001521.D
 Acq: 03 Jan 2020 22:54

Instrument :
 BNA_P
 ClientSampleId :
 MC-010220-0-2-COMP-B7

Tgt Ion: 330 Resp: 234818
 Ion Ratio Lower Upper
 330 100
 332 96.2 78.2 117.2
 141 38.7 30.3 45.5

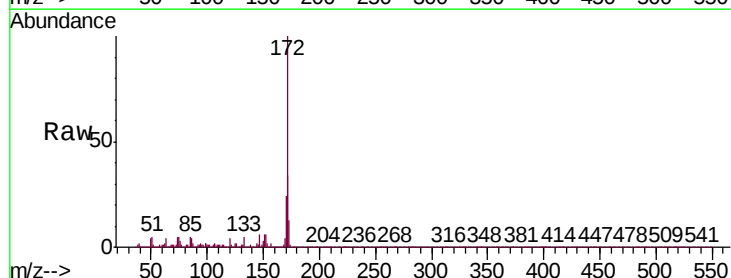


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

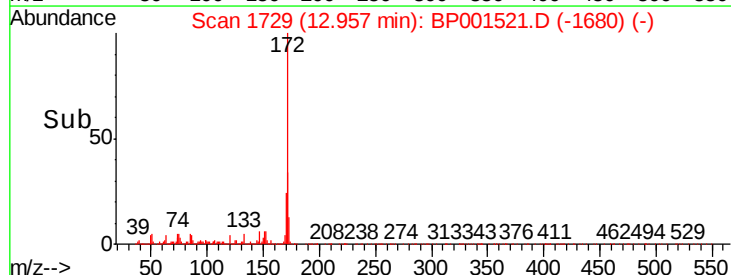
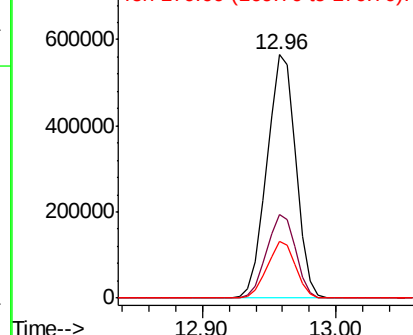


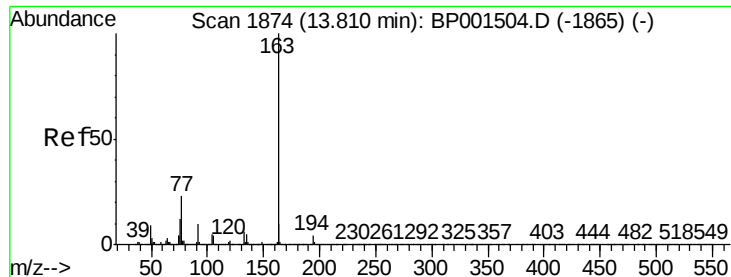
#45
 2-Fluorobiphenyl
 Concen: 64.328 ng
 RT: 12.96 min Scan# 1729
 Delta R.T. -0.01 min
 Lab File: BP001521.D
 Acq: 03 Jan 2020 22:54

Tgt Ion: 172 Resp: 850496
 Ion Ratio Lower Upper
 172 100
 171 34.4 26.7 40.1
 170 23.5 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

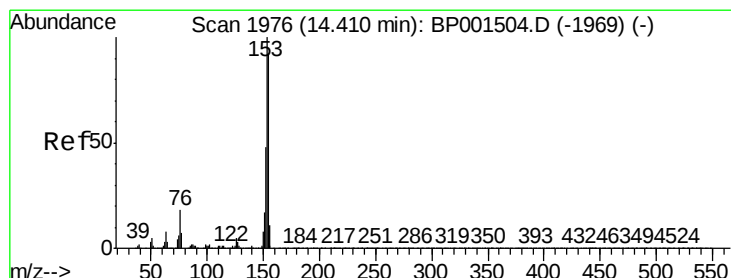
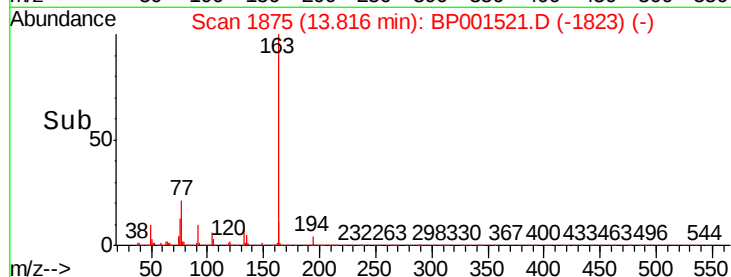
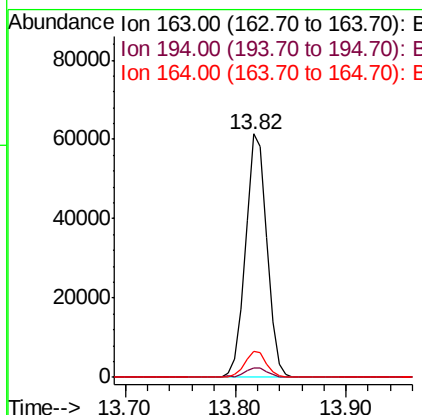
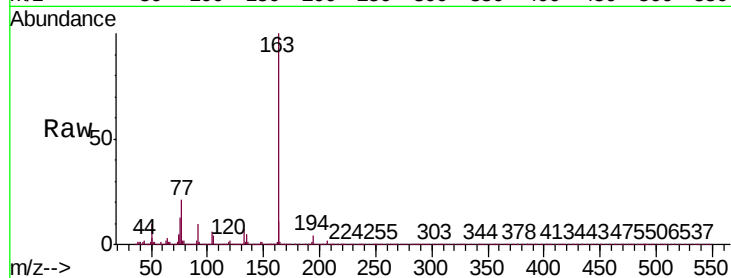




#50
Dimethylphthalate
Concen: 5.467 ng
RT: 13.82 min Scan# 1875
Delta R.T. 0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

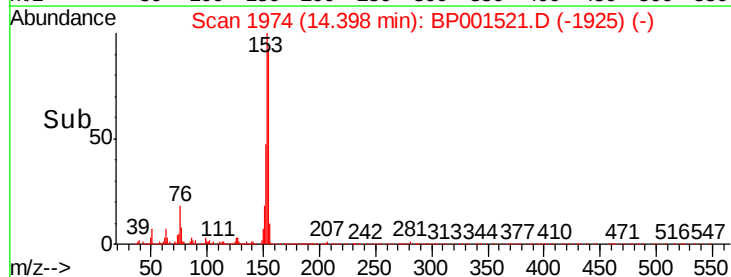
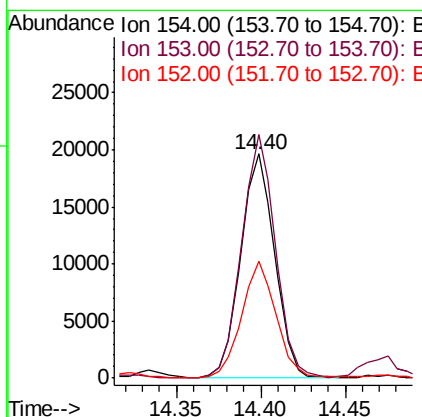
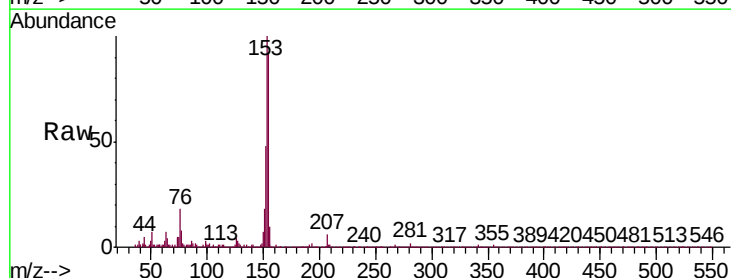
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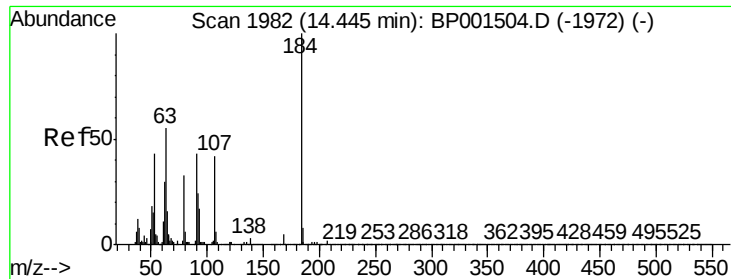
Tgt Ion:163 Resp: 83071
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 10.6 8.1 12.1



#52
Acenaphthene
Concen: 2.386 ng
RT: 14.40 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Tgt Ion:154 Resp: 27401
Ion Ratio Lower Upper
154 100
153 108.7 87.3 130.9
152 52.0 41.5 62.3

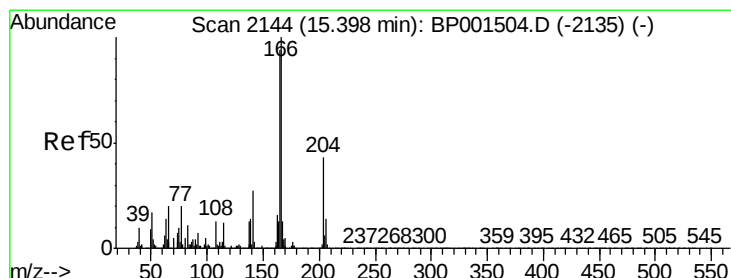
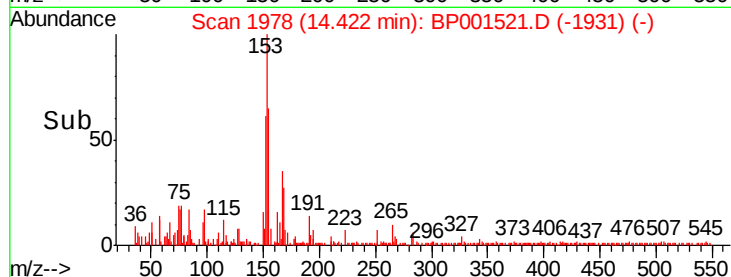
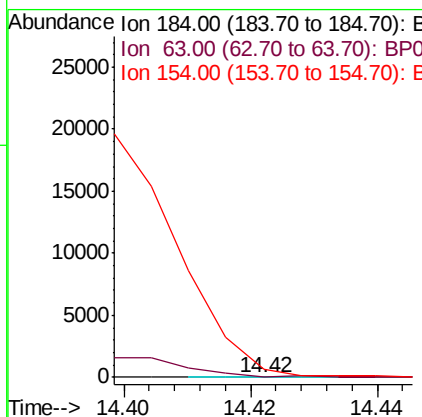
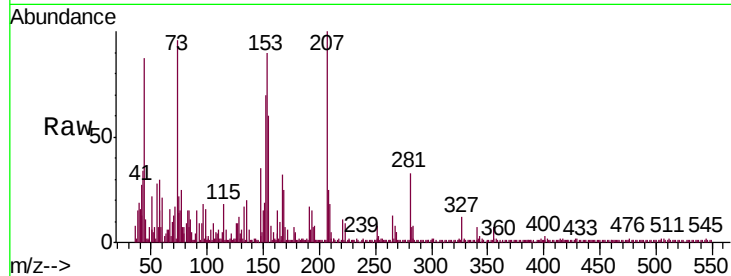




#54
2,4-Dinitrophenol
Concen: 6.458 ng
RT: 14.42 min Scan# 1978
Delta R.T. -0.02 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

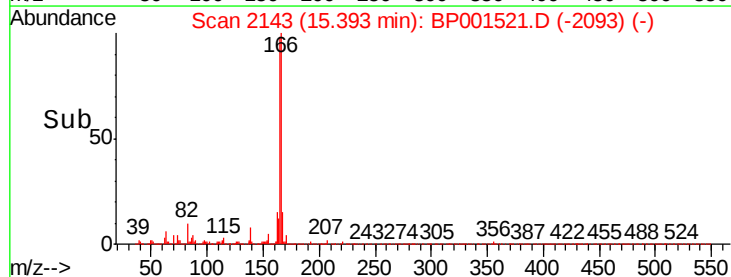
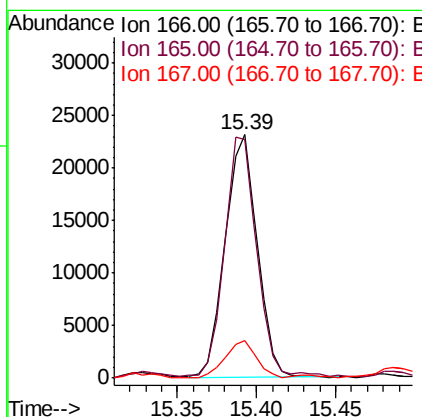
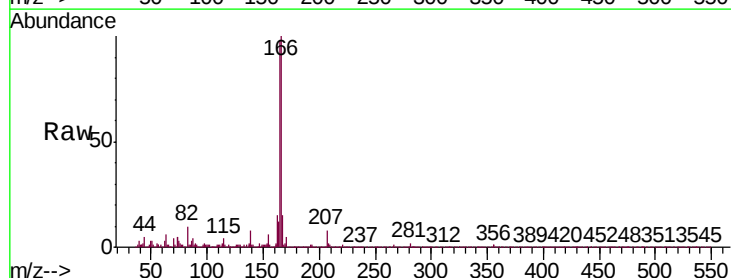
Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B7

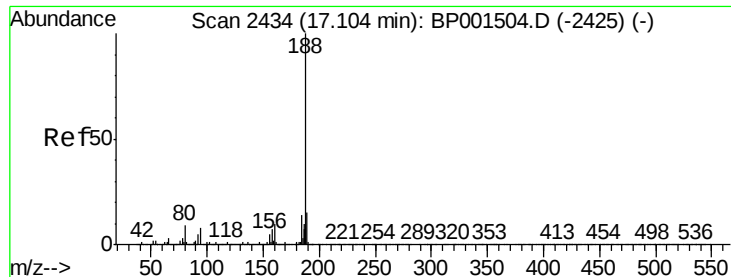
Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 247.1 50.0 75.0#
154 3864.7 49.2 73.8#



#58
Fluorene
Concen: 2.419 ng
RT: 15.39 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Tgt Ion:166 Resp: 32413
Ion Ratio Lower Upper
166 100
165 98.2 75.3 112.9
167 15.4 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: BP001521.D

Acq: 03 Jan 2020 22:54

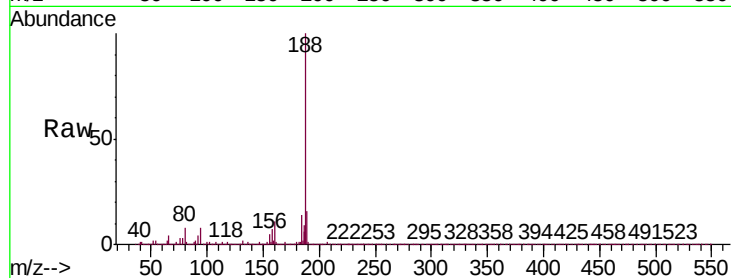
Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B7

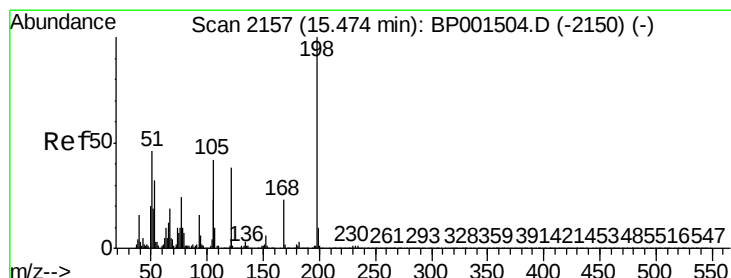
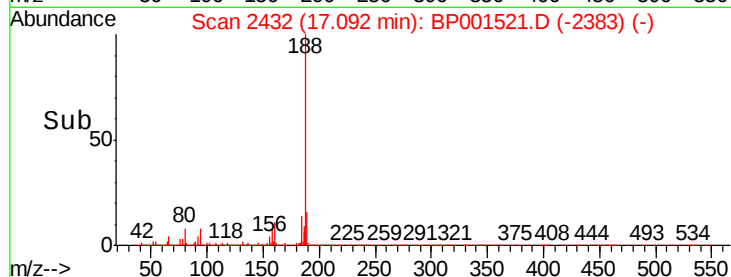
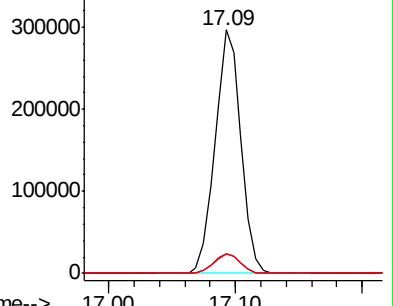
Tgt Ion:	188	Resp:	416336
Ion Ratio	Lower	Upper	
188	100		
94	8.0	6.5	9.7
80	8.2	7.3	10.9



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: 5.884 ng

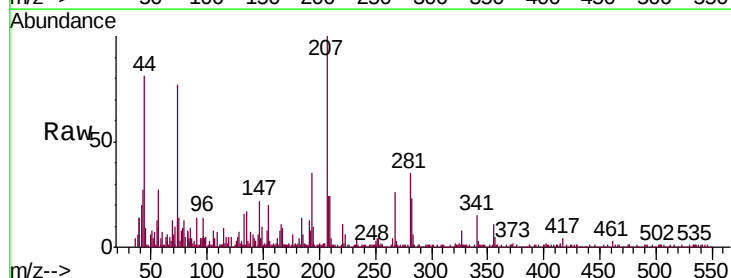
RT: 15.46 min Scan# 2154

Delta R.T. -0.02 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

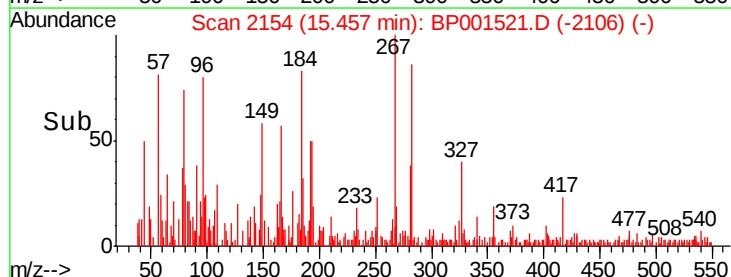
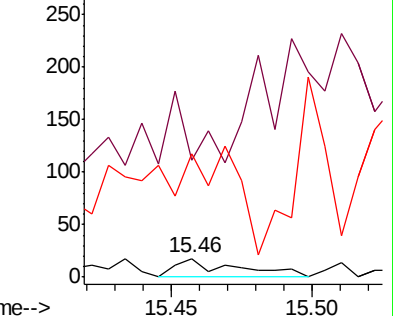
Tgt Ion:	198	Resp:	26
Ion Ratio	Lower	Upper	
198	100		
51	905.6	26.9	66.9#
105	655.6	22.5	62.5#

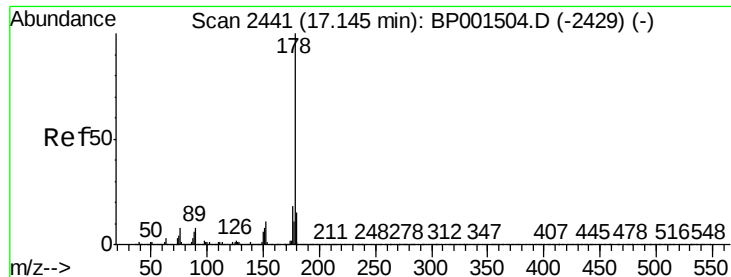


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 21.678 ng

RT: 17.14 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B7

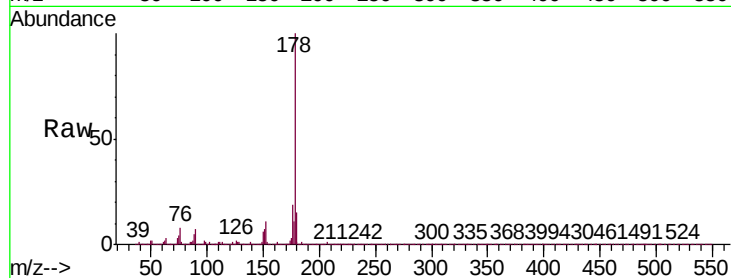
Tgt Ion:178 Resp: 489515

Ion Ratio Lower Upper

178 100

176 18.5 14.6 22.0

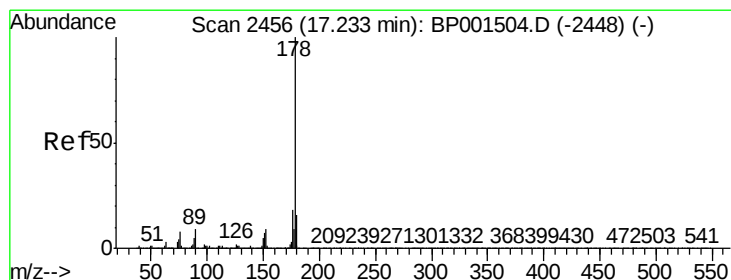
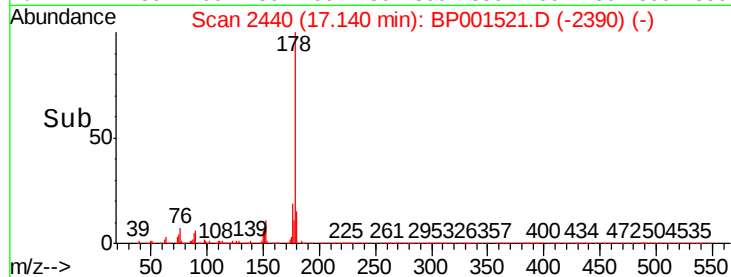
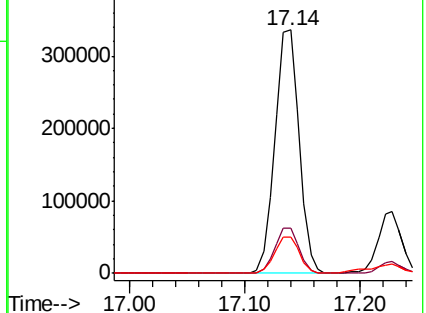
179 15.0 12.3 18.5



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: 5.338 ng

RT: 17.23 min Scan# 2455

Delta R.T. -0.01 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

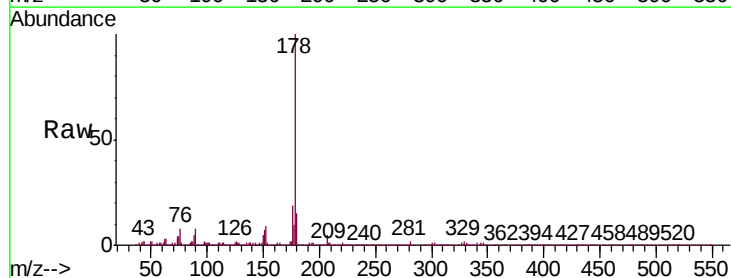
Tgt Ion:178 Resp: 119459

Ion Ratio Lower Upper

178 100

176 19.1 14.4 21.6

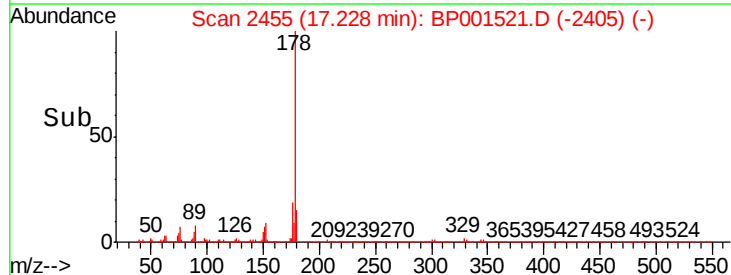
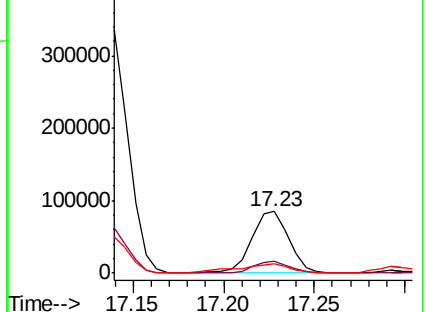
179 15.0 12.5 18.7

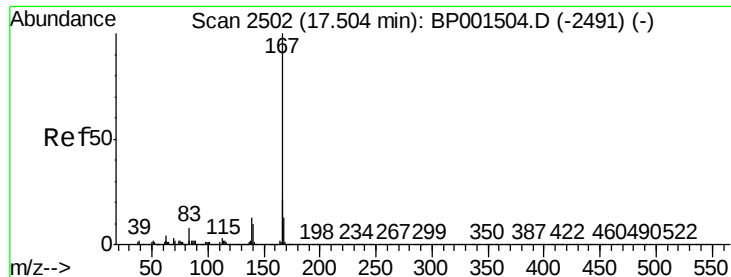


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

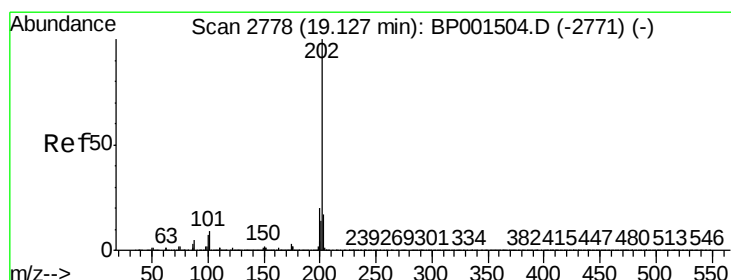
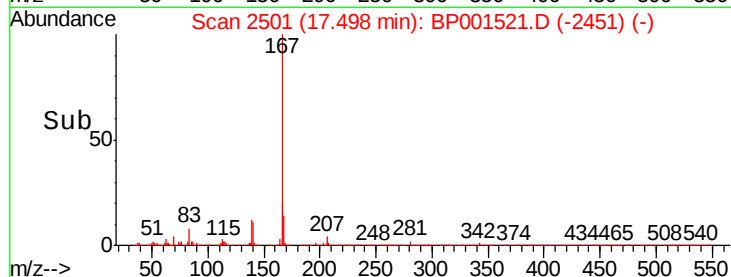
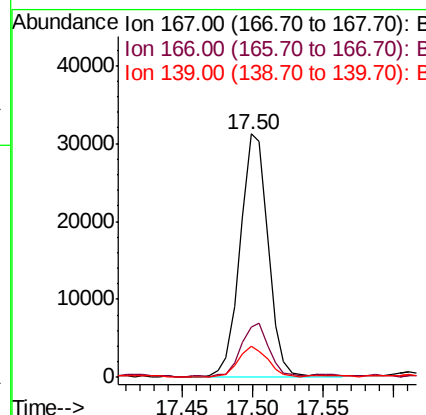
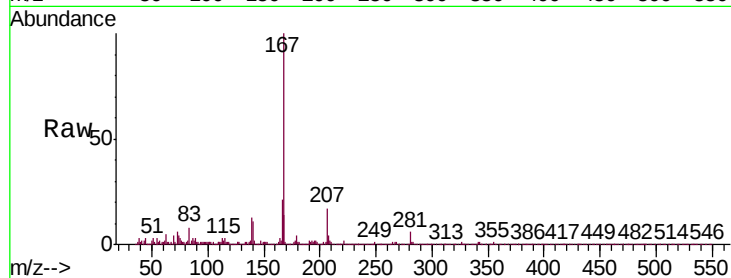




#73
 Carbazole
 Concen: 2.068 ng
 RT: 17.50 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BP001521.D
 Acq: 03 Jan 2020 22:54

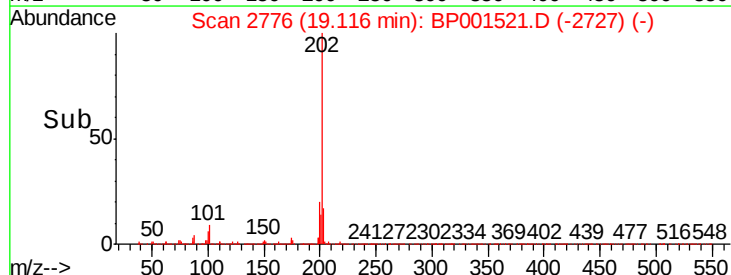
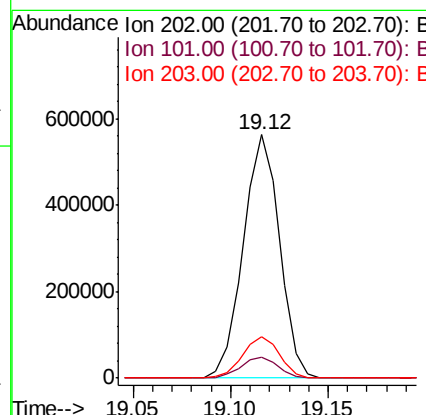
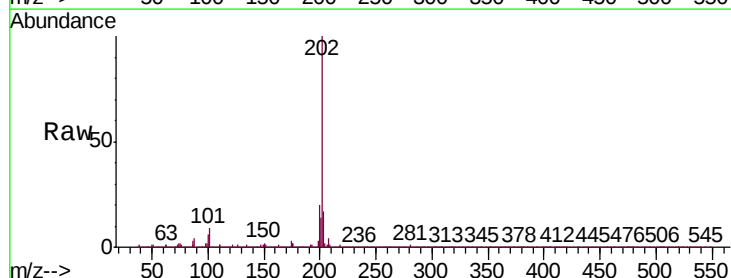
Instrument :
 BNA_P
 ClientSampleId :
 MC-010220-0-2-COMP-B7

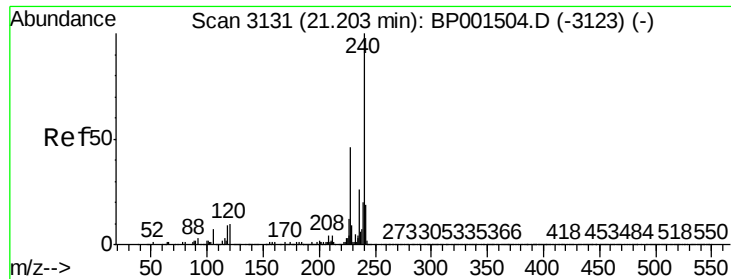
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.0	25.6
139	12.6	10.2	15.4



#75
 Fluoranthene
 Concen: 26.519 ng
 RT: 19.12 min Scan# 2776
 Delta R.T. -0.01 min
 Lab File: BP001521.D
 Acq: 03 Jan 2020 22:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	29.3
203	17.1	0.0	36.7

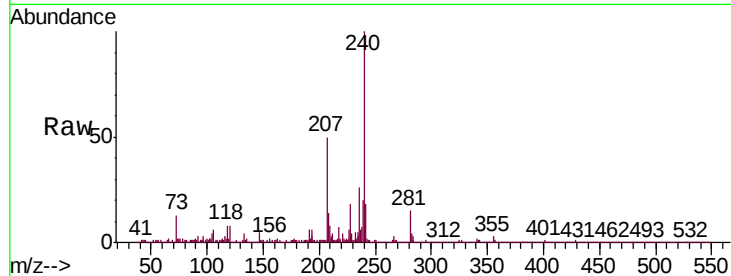




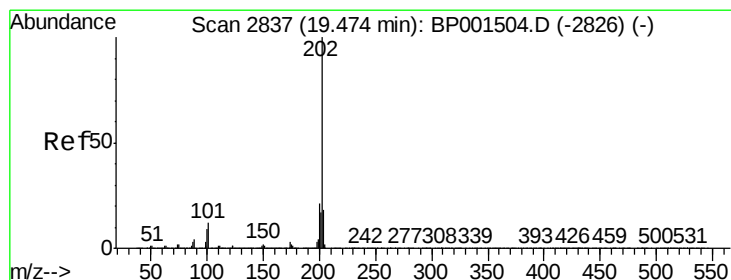
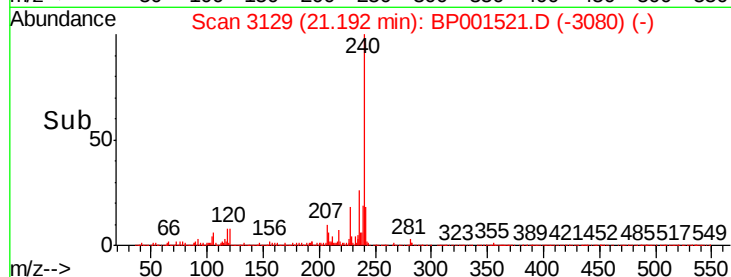
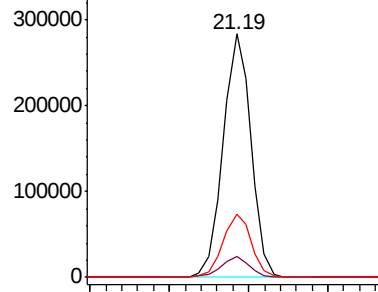
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B7

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	8.1	12.1
236	26.1	20.9	31.3

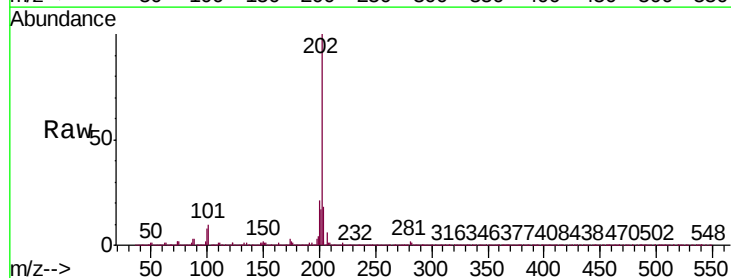


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

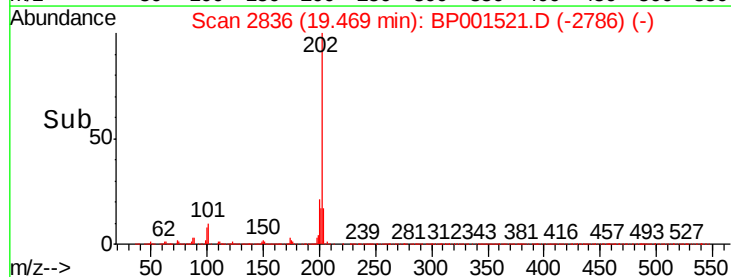
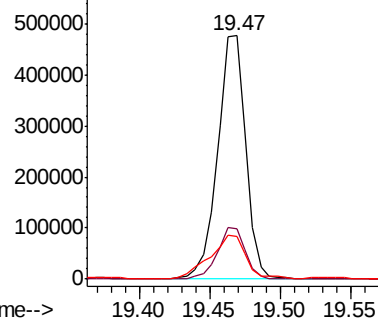


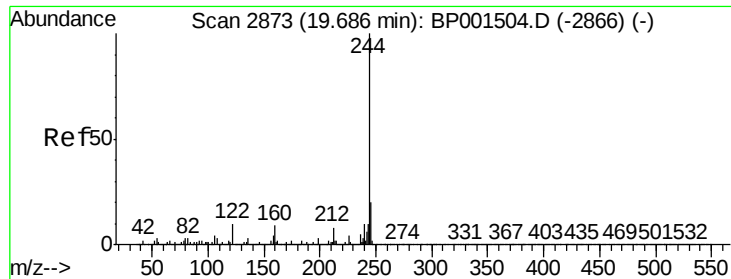
#78
Pyrene
Concen: 26.619 ng
RT: 19.47 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.4	24.6
203	17.7	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

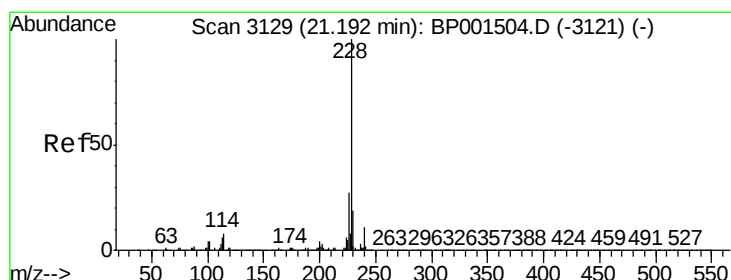
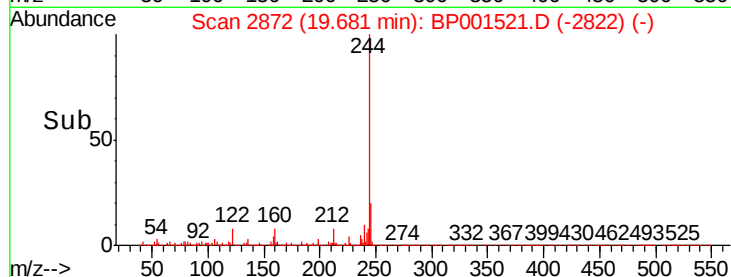
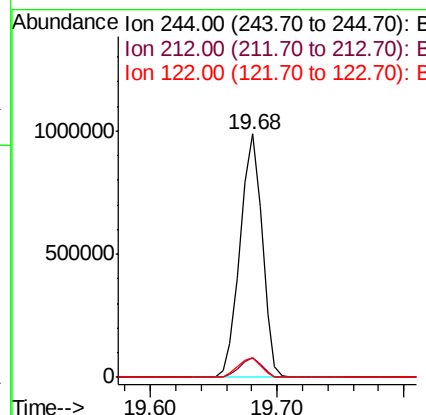
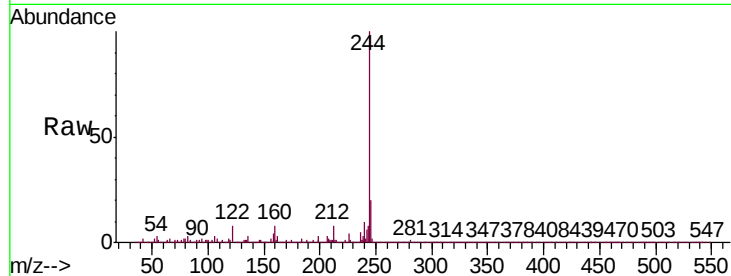




#79
 Terphenyl-d14
 Concen: 68.464 ng
 RT: 19.68 min Scan# 2872
 Delta R.T. -0.01 min
 Lab File: BP001521.D
 Acq: 03 Jan 2020 22:54

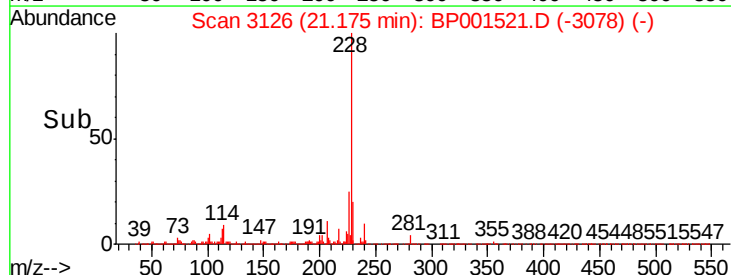
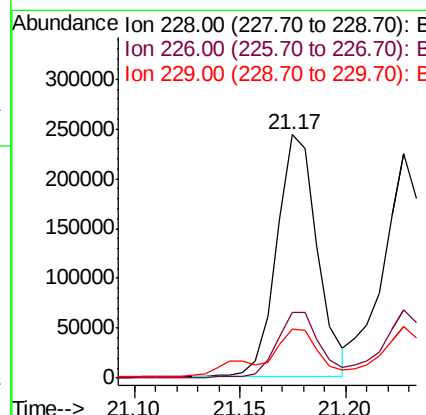
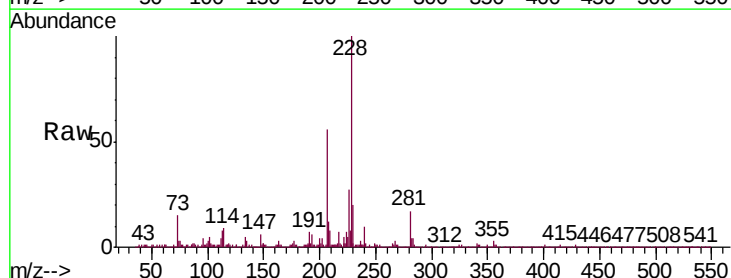
Instrument :
 BNA_P
 ClientSampleId :
 MC-010220-0-2-COMP-B7

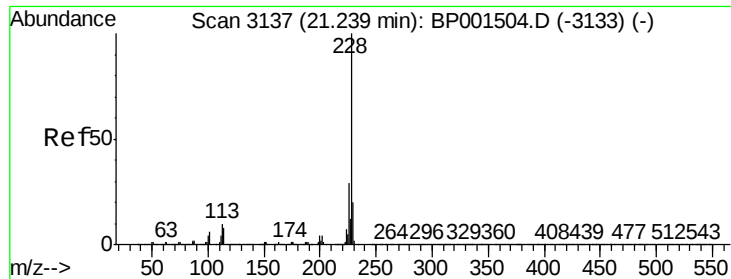
Tgt Ion:244 Resp: 1184764
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 7.8 7.8 11.6



#81
 Benzo(a)anthracene
 Concen: 13.477 ng
 RT: 21.17 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BP001521.D
 Acq: 03 Jan 2020 22:54

Tgt Ion:228 Resp: 326108
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.5 32.3
 229 20.4 15.4 23.2





#83

Chrysene

Concen: 12.979 ng

RT: 21.23 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B7

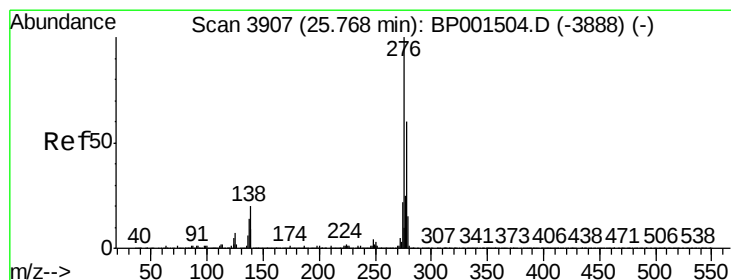
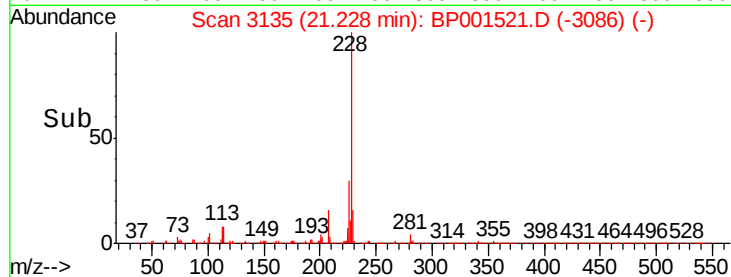
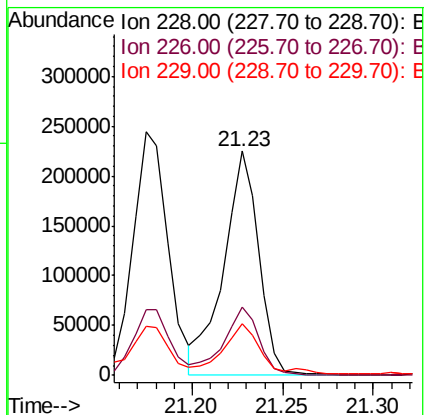
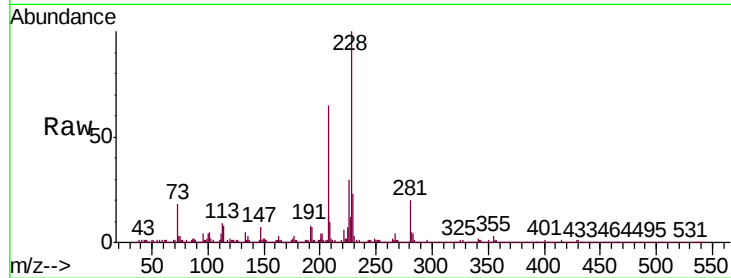
Tgt Ion:228 Resp: 301144

Ion Ratio Lower Upper

228 100

226 30.3 23.0 34.6

229 23.1 15.7 23.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.056 ng

RT: 25.73 min Scan# 3900

Delta R.T. -0.04 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

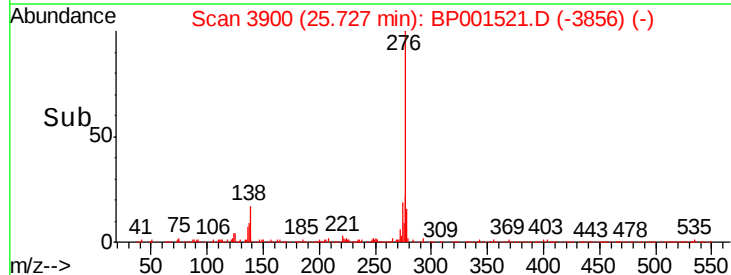
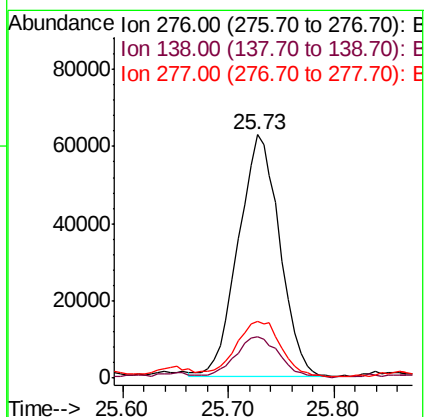
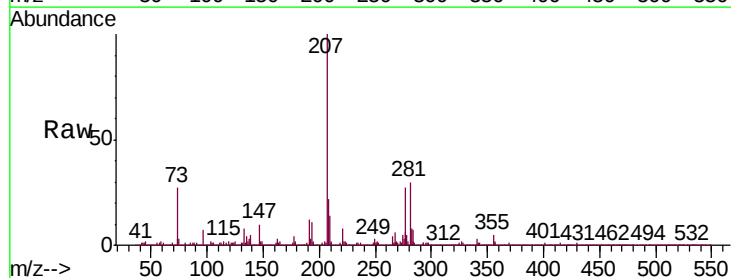
Tgt Ion:276 Resp: 171020

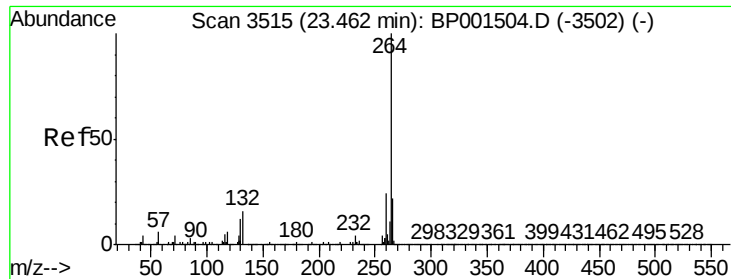
Ion Ratio Lower Upper

276 100

138 17.8 17.8 26.8#

277 25.1 20.0 30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.45 min Scan# 3513

Delta R.T. -0.01 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B7

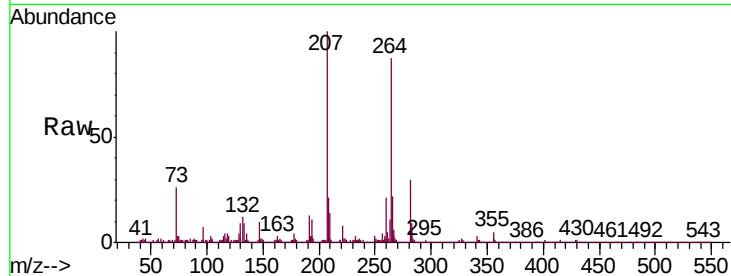
Tgt Ion:264 Resp: 378787

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 25.0 17.2 25.8

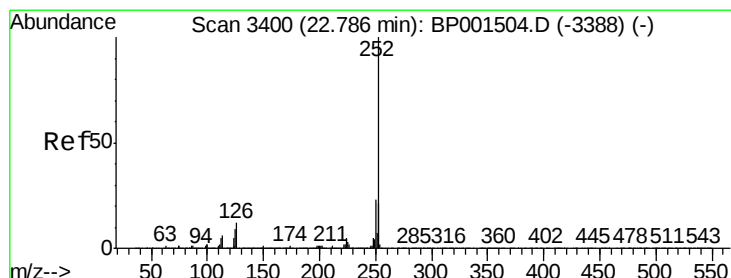
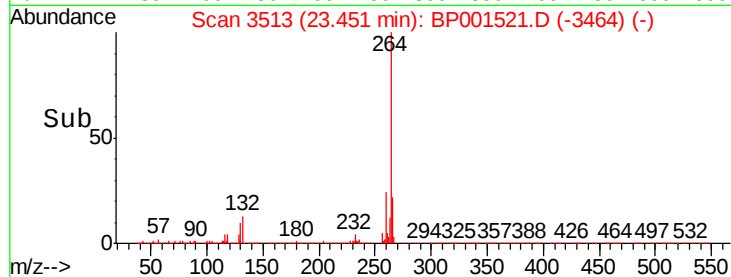
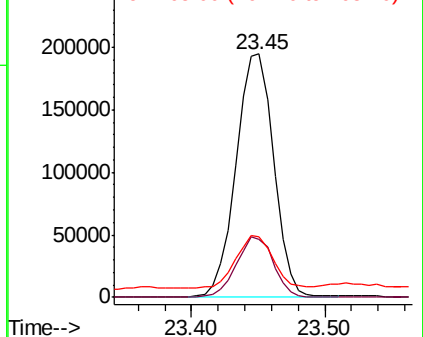


Abundance

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: 15.608 ng

RT: 22.77 min Scan# 3398

Delta R.T. -0.01 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

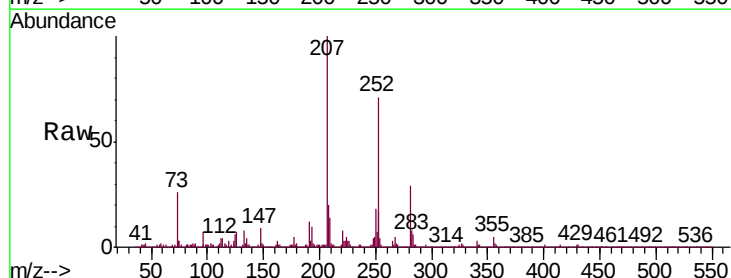
Tgt Ion:252 Resp: 366077

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

125 8.5 7.2 10.8

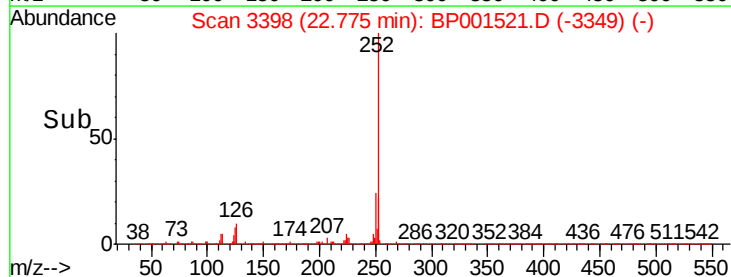
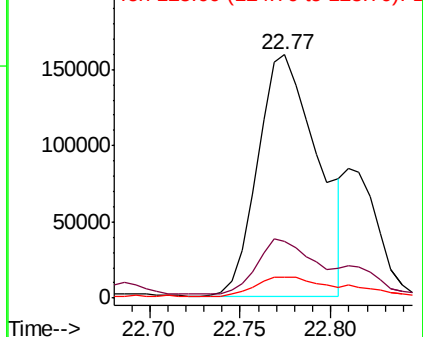


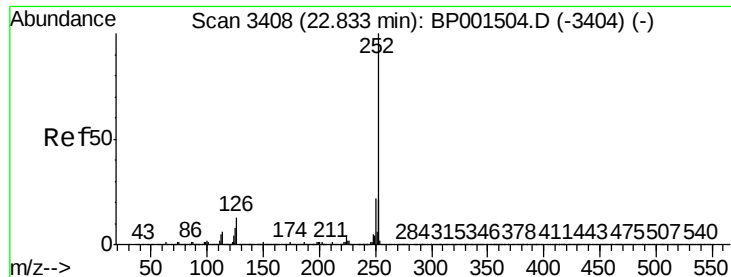
Abundance

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: 16.295 ng

RT: 22.77 min Scan# 3398

Delta R.T. -0.06 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

Instrument :

BNA_P

ClientSampleId :

MC-010220-0-2-COMP-B7

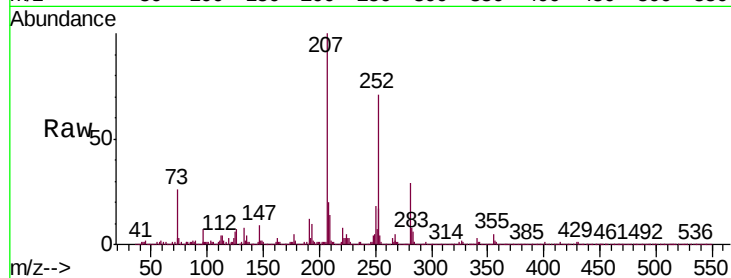
Tgt Ion:252 Resp: 366077

Ion Ratio Lower Upper

252 100

253 23.5 17.0 25.6

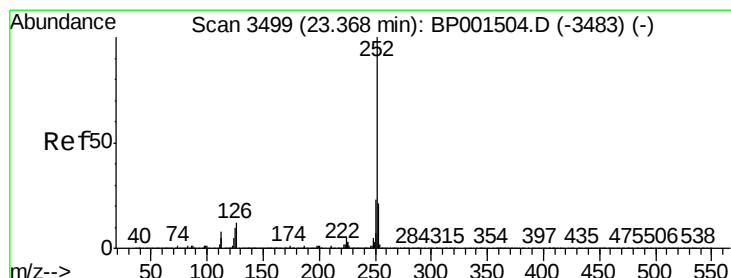
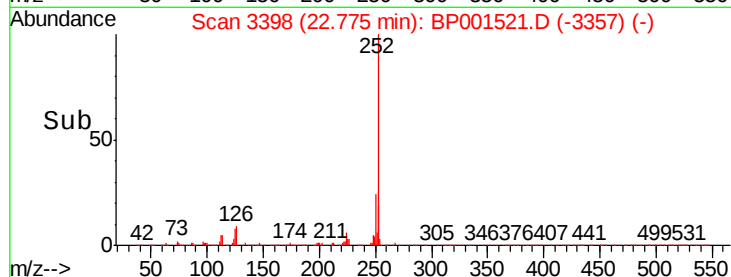
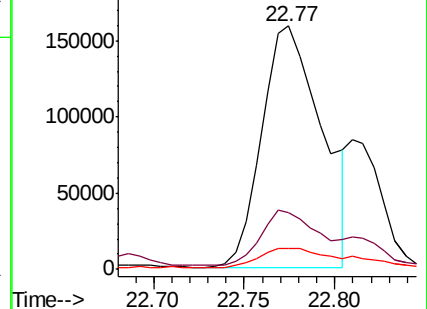
125 8.5 6.6 10.0



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: 12.319 ng

RT: 23.35 min Scan# 3495

Delta R.T. -0.02 min

Lab File: BP001521.D

Acq: 03 Jan 2020 22:54

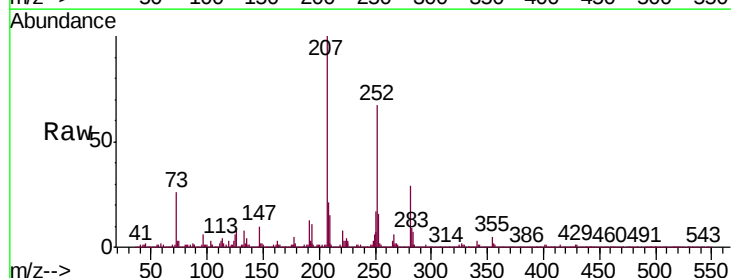
Tgt Ion:252 Resp: 270462

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

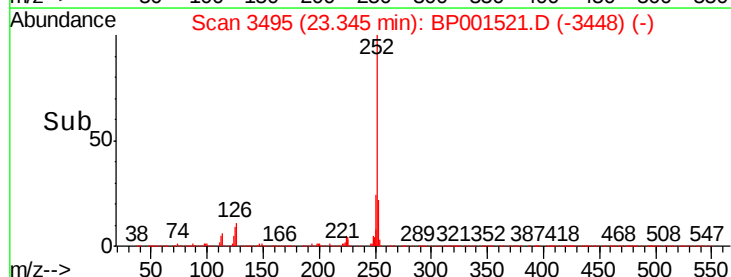
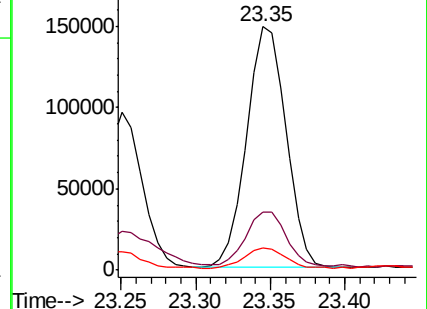
125 9.4 7.7 11.5

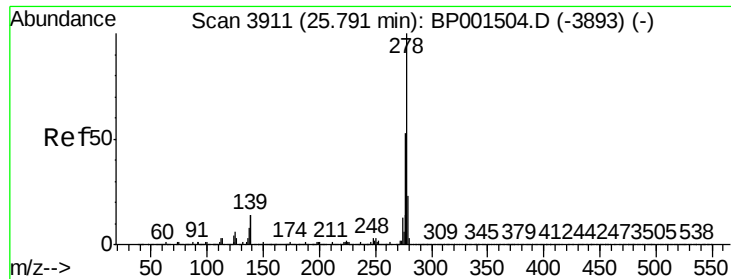


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

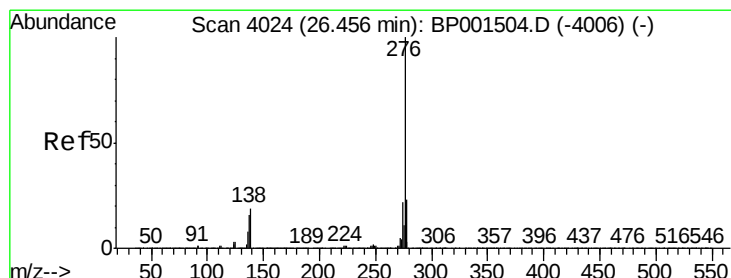
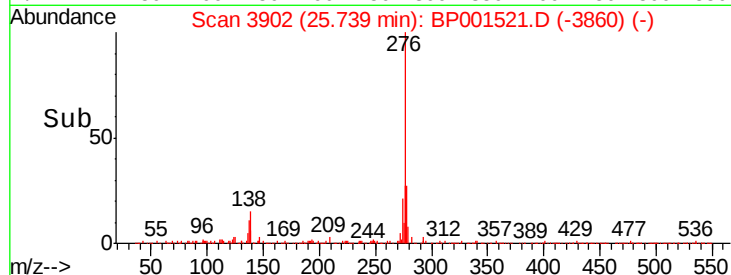
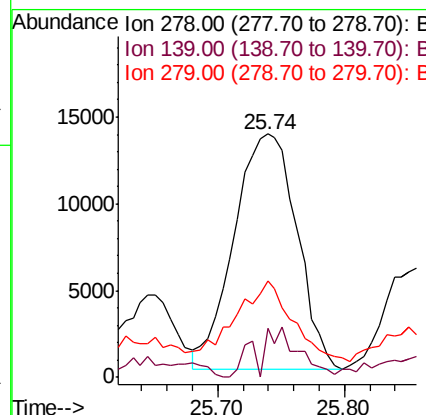
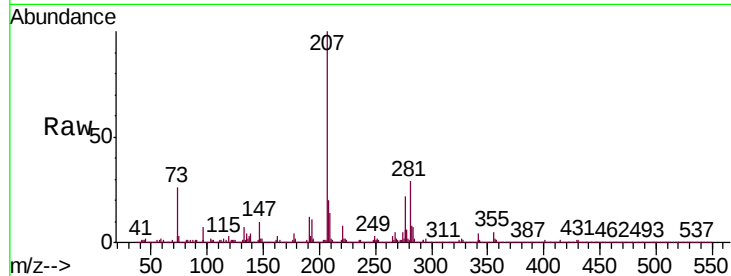




#91
Dibenzo(a,h)anthracene
Concen: 2.133 ng
RT: 25.74 min Scan# 3902
Delta R.T. -0.05 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Instrument :
BNA_P
ClientSampleId :
MC-010220-0-2-COMP-B7

Tgt Ion: 278 Resp: 46540
Ion Ratio Lower Upper
278 100
139 20.3 11.3 16.9#
279 39.4 18.2 27.2#



#92
Benzo(g,h,i)perylene
Concen: 7.423 ng
RT: 26.42 min Scan# 4018
Delta R.T. -0.03 min
Lab File: BP001521.D
Acq: 03 Jan 2020 22:54

Tgt Ion: 276 Resp: 161545
Ion Ratio Lower Upper
276 100
277 24.4 18.7 28.1
138 17.1 15.0 22.4

