

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
 Data File : BP000119.D
 Acq On : 09 Sep 2019 03:35
 Operator : HP/JU
 Sample : K4658-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 09 06:43:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 17:47:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	449790	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1650819	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	895415	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	1616248	20.00	ng	0.00
76) Chrysene-d12	14.10	240	1307738	20.00	ng	-0.01
87) Perylene-d12	15.62	264	1365380	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1301823	46.15	ng	0.00
7) Phenol-d6	6.50	99	1723774	48.41	ng	-0.01
23) Nitrobenzene-d5	7.45	82	907964	33.75	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	391465	51.87	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1935684	36.10	ng	0.00
79) Terphenyl-d14	13.03	244	2181459	36.36	ng	0.00

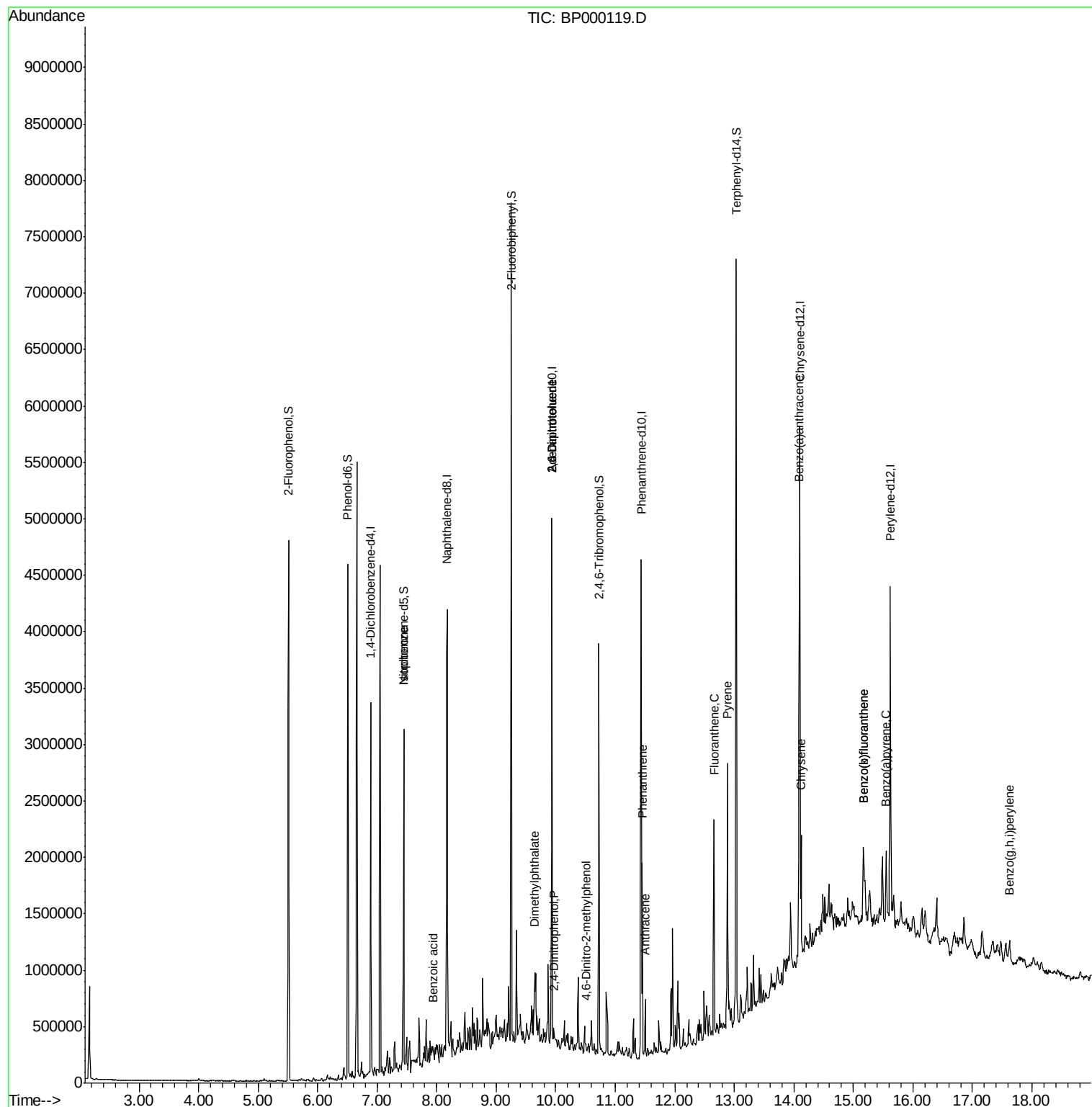
Target Compounds				Qvalue		
25) Isophorone	7.45	82	904824	15.917	ng	# 67
32) Benzoic acid	7.95	122	803	8.105	ng	# 1
50) Dimethylphthalate	9.65	163	180639	2.960	ng	# 97
51) 2,6-Dinitrotoluene	9.93	165	122874	9.487	ng	# 30
54) 2,4-Dinitrophenol	9.98	184	90	8.665	ng	# 1
57) 2,4-Dinitrotoluene	9.93	165	122874	7.431	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.51	198	283	7.762	ng	# 1
69) Atrazine	11.12	200	583	Below Cal		# 22
71) Phenanthrene	11.46	178	640032	7.945	ng	97
72) Anthracene	11.50	178	170725	2.145	ng	98
75) Fluoranthene	12.66	202	733472	8.379	ng	93
78) Pvrene	12.89	202	870457	9.048	ng	95
81) Benzo(a)anthracene	14.09	228	403121	4.757	ng	98
83) Chrysene	14.12	228	350141	4.368	ng	96
88) Benzo(b)fluoranthene	15.17	252	496673	5.955	ng	# 93
89) Benzo(k)fluoranthene	15.17	252	496673	6.508	ng	95
90) Benzo(a)pvrene	15.55	252	304900	4.050	ng	97
92) Benzo(g,h,i)perylene	17.62	276	152967	2.053	ng	98

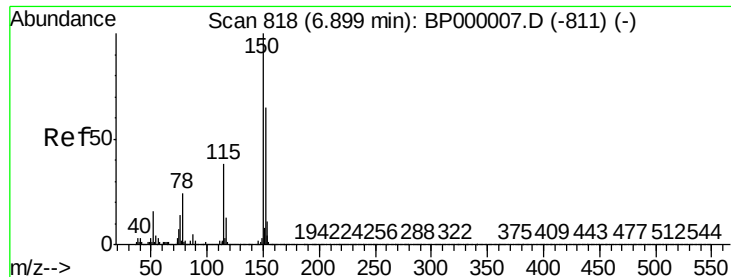
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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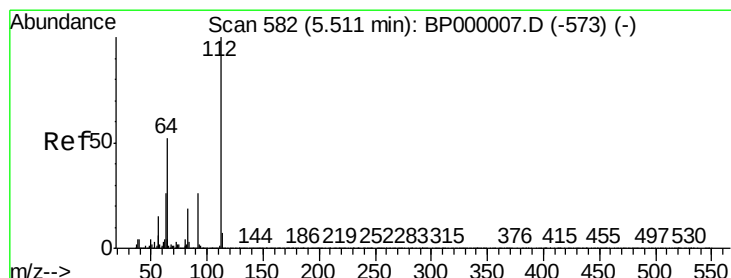
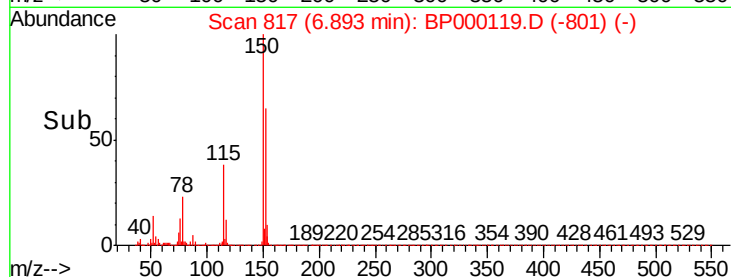
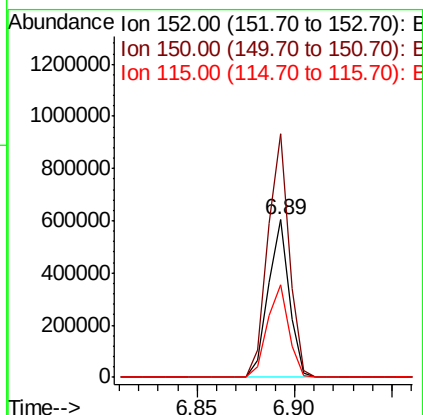
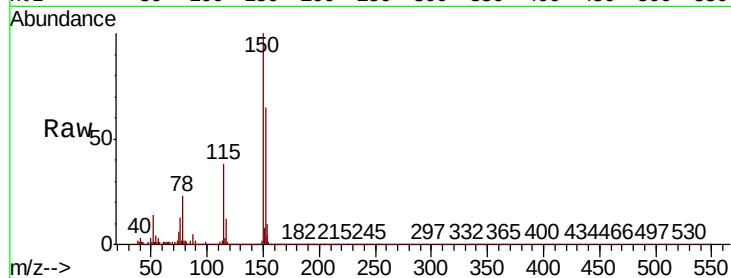


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Instrument :
BNA_P
ClientSampleId :

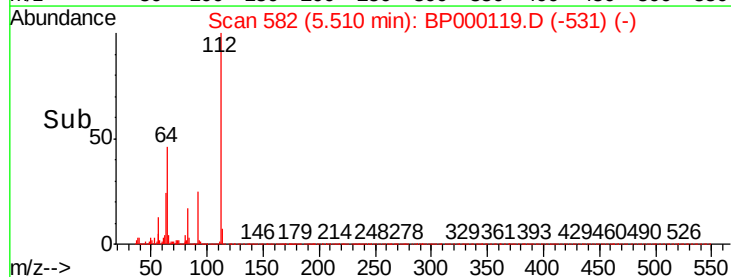
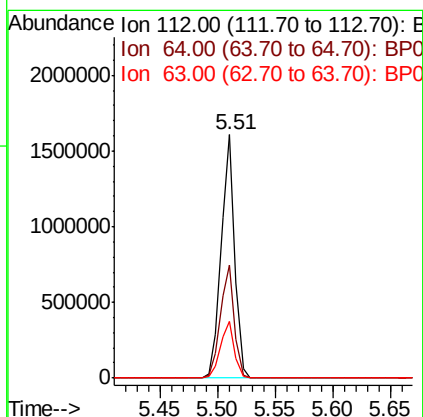
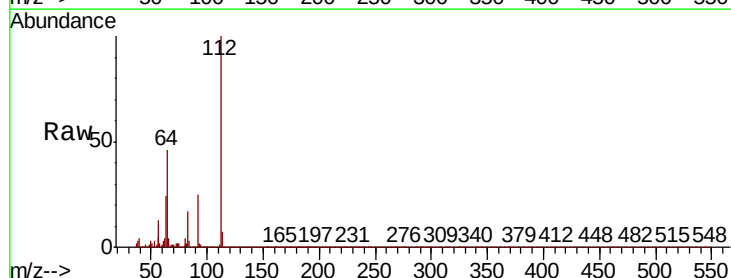
Tot Ion	152	Resp	449790
Ion Ratio	Lower	Upper	
152	100		
150	154.7	123.0	184.6
115	58.4	46.7	70.1

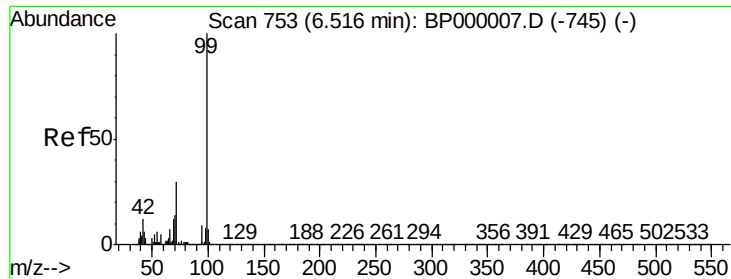


#5

2-Fluorophenol
Concen: 46.153 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.00 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion	112	Resp	1301823
Ion Ratio	Lower	Upper	
112	100		
64	46.3	41.8	62.8
63	23.5	21.0	31.4





#7

Phenol-d6

Concen: 48.409 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

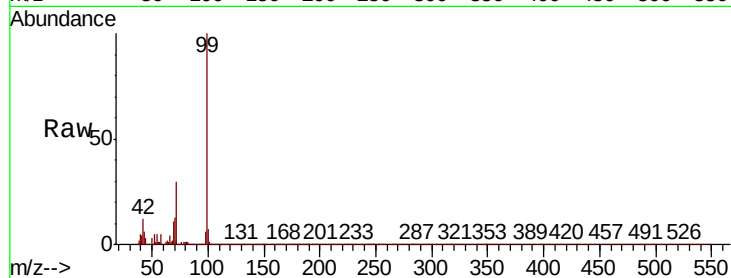
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1723774

Ion	Ratio	Lower	Upper
99	100		
42	11.8	9.8	14.8
71	29.9	23.8	35.8

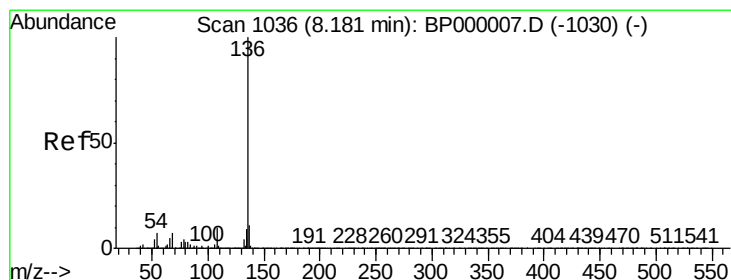
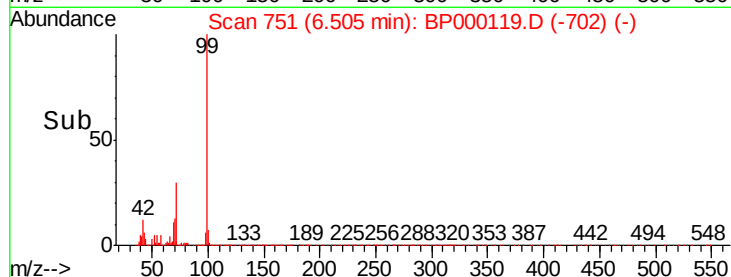
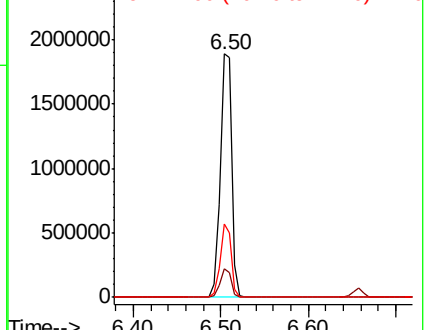


Abundance

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: 8.18 min Scan# 1035

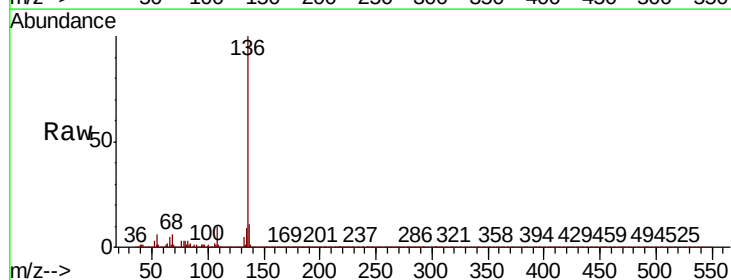
Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Tgt Ion: 136 Resp: 1650819

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	5.9	5.4	8.2
68	6.1	5.4	8.0



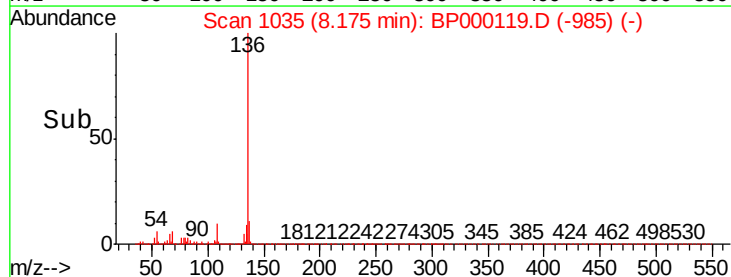
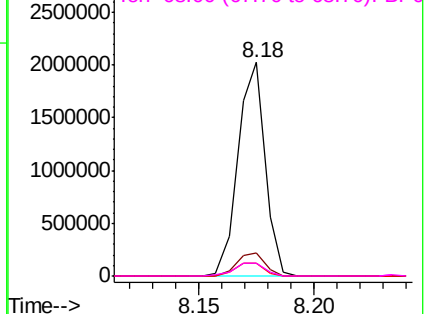
Abundance

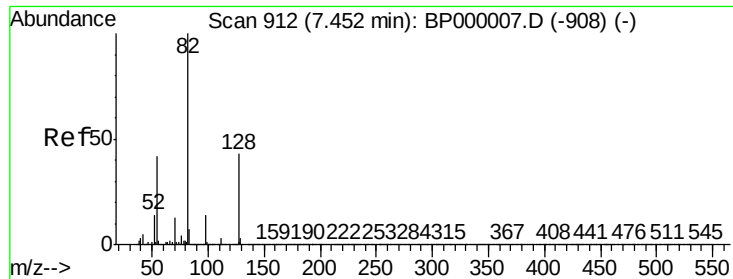
Ion 136.00 (135.70 to 136.70): E

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

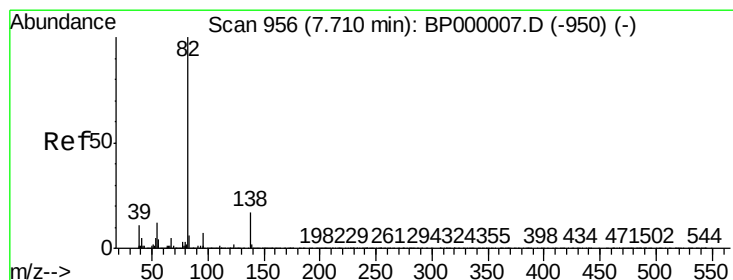
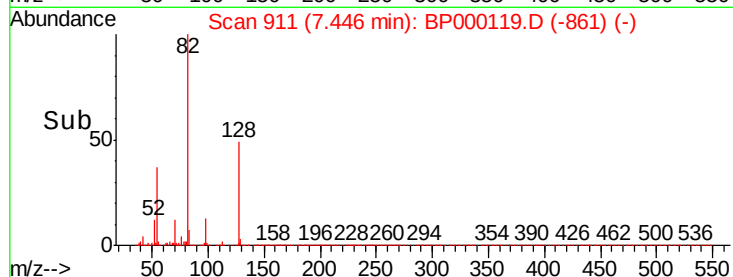
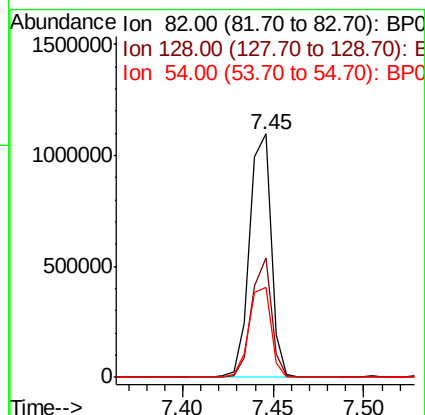
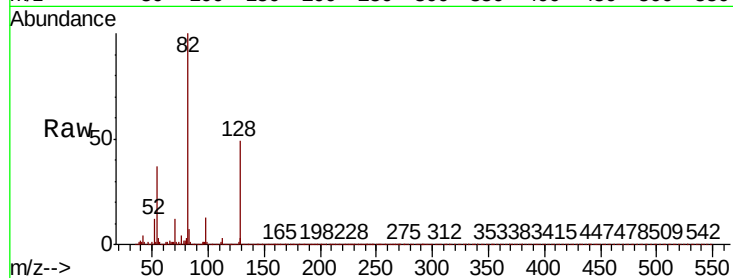




#23
Nitrobenzene-d5
Concen: 33.748 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

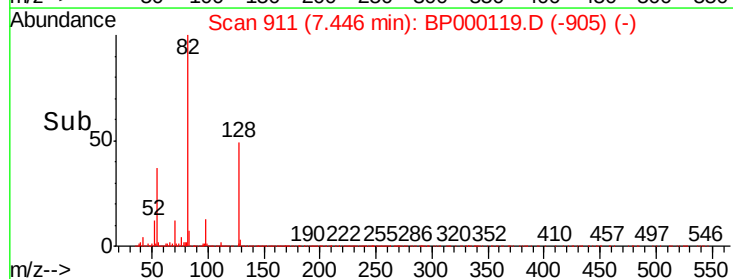
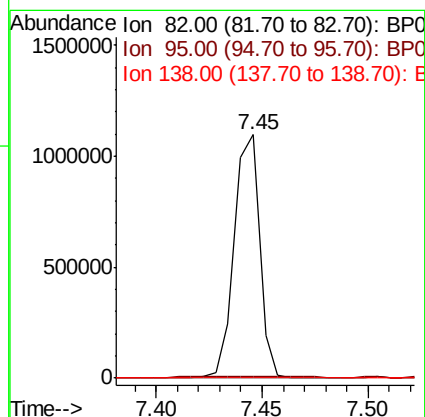
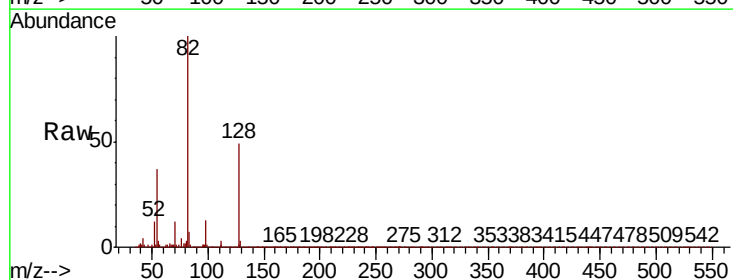
Instrument :
BNA_P
ClientSampleId :

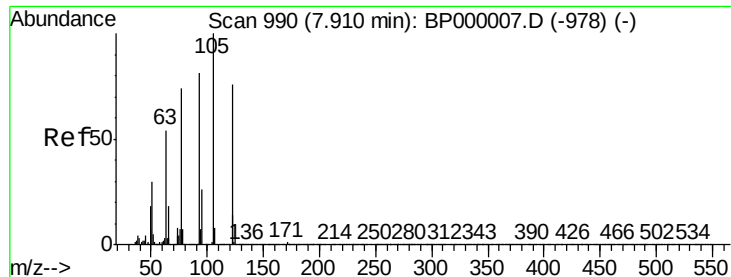
Tot Ion: 82 Resp: 907964
Ion Ratio Lower Upper
82 100
128 49.1 34.5 51.7
54 36.8 33.2 49.8



#25
Isophorone
Concen: 15.917 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion: 82 Resp: 904824
Ion Ratio Lower Upper
82 100
95 0.8 5.6 8.4#
138 0.1 13.8 20.6#





#32

Benzoic acid

Concen: 8.105 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.04 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Instrument :

BNA_P

ClientSampleId :

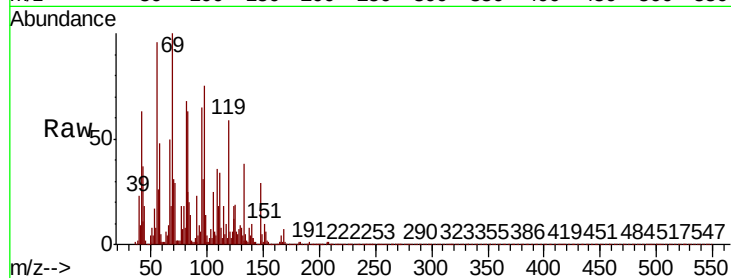
Tot Ion:122 Resp: 803

Ion Ratio Lower Upper

122 100

105 396.6 104.6 144.6#

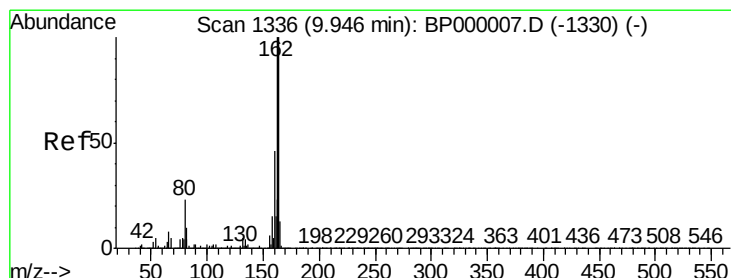
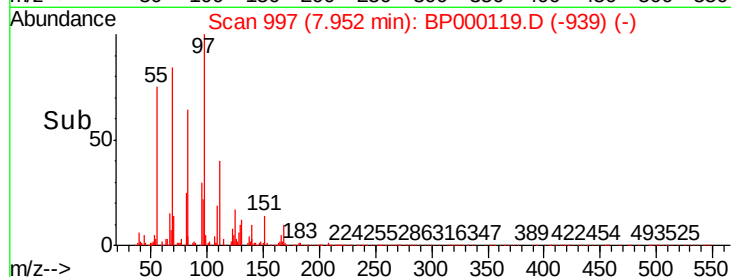
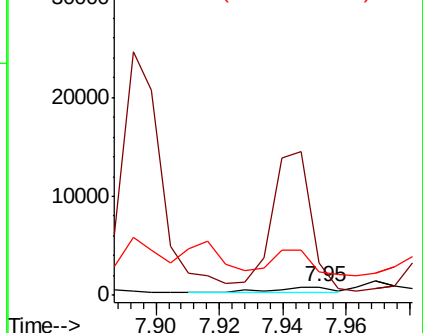
77 284.1 74.1 114.1#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

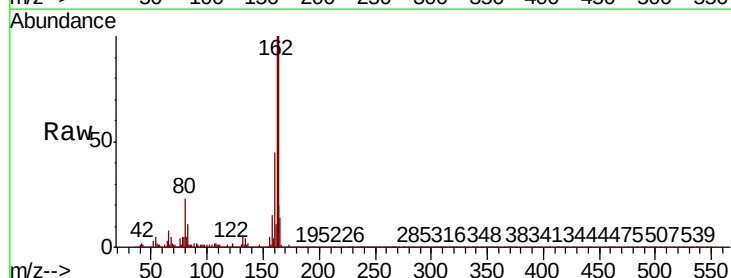
Tgt Ion:164 Resp: 895415

Ion Ratio Lower Upper

164 100

162 99.7 80.2 120.4

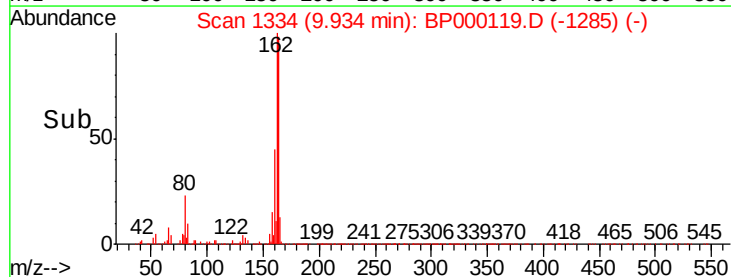
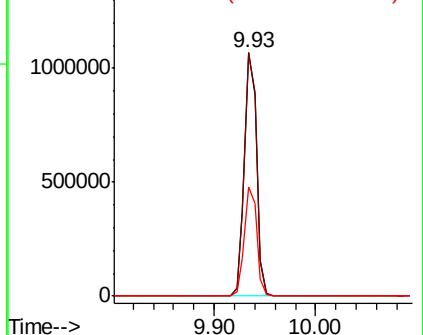
160 44.8 36.6 55.0

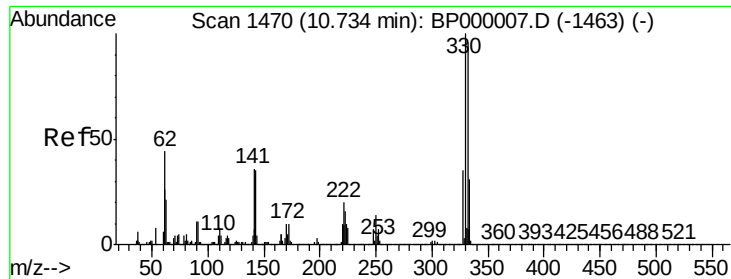


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

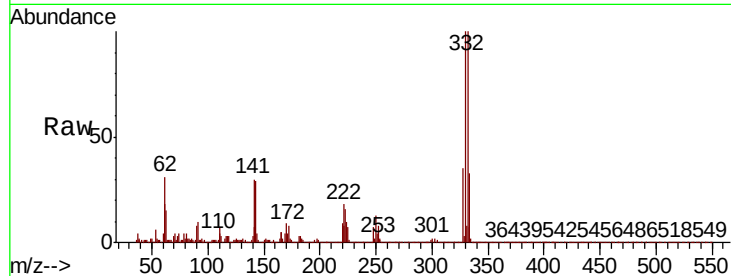




#42
 2,4,6-Tribromophenol
 Concen: 51.867 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BP000119.D
 Acq: 09 Sep 2019 03:35

Instrument :
 BNA_P
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	39.1	33.6	50.4

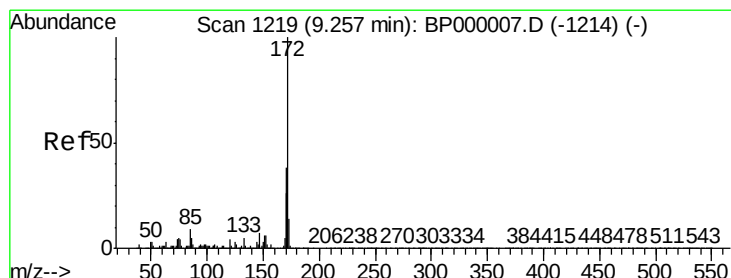
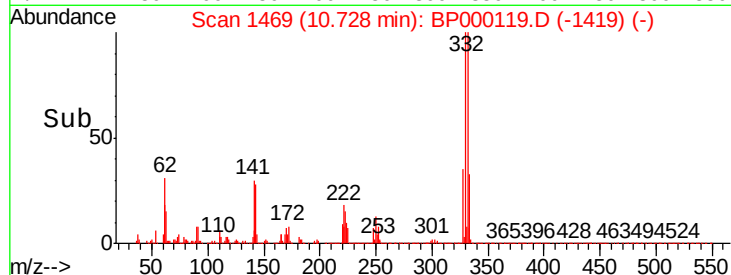
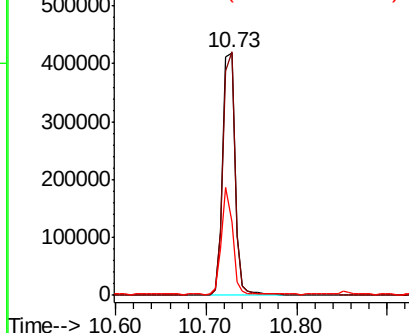


Abundance

Ion 329.80 (329.50 to 330.50): E

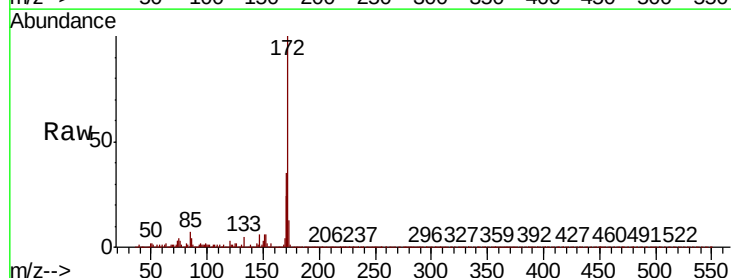
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 36.102 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BP000119.D
 Acq: 09 Sep 2019 03:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.7	46.1
170	23.6	20.7	31.1

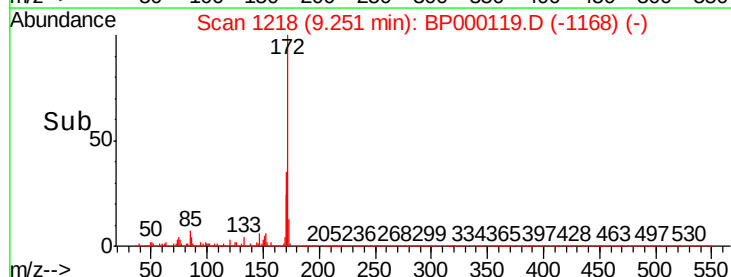
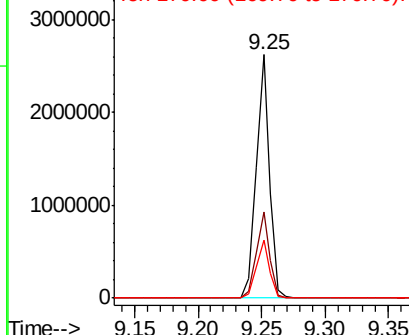


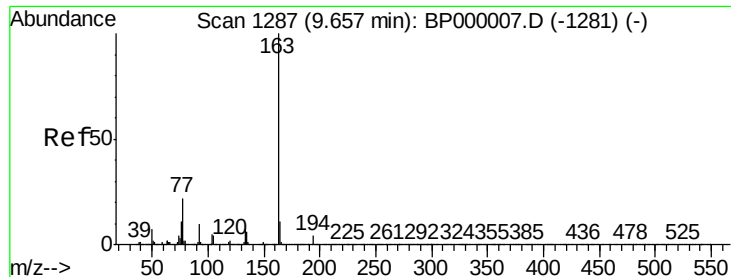
Abundance

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: 2.960 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Instrument :

BNA_P

ClientSampleId :

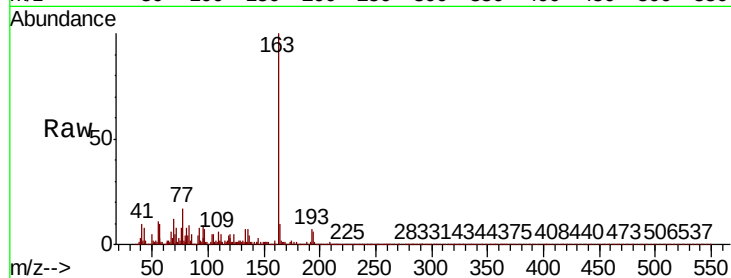
Tot Ion:163 Resp: 180639

Ion Ratio Lower Upper

163 100

194 5.7 3.3 4.9#

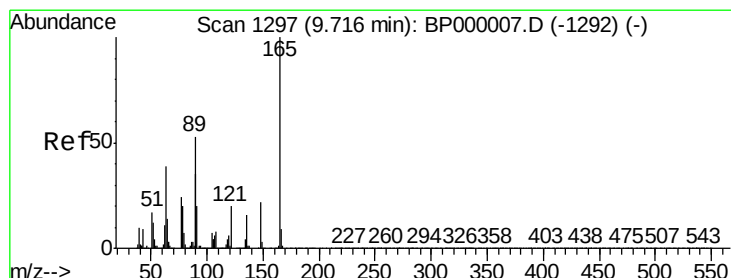
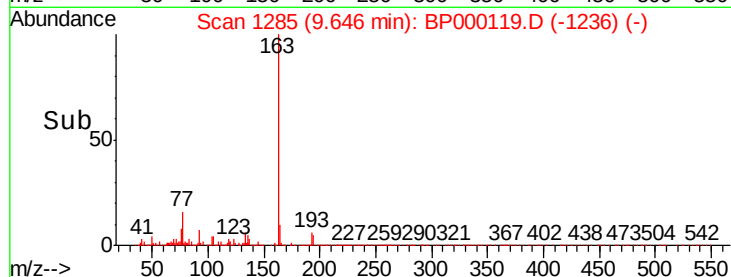
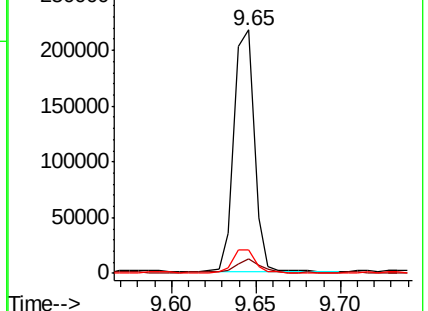
164 9.8 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 9.487 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

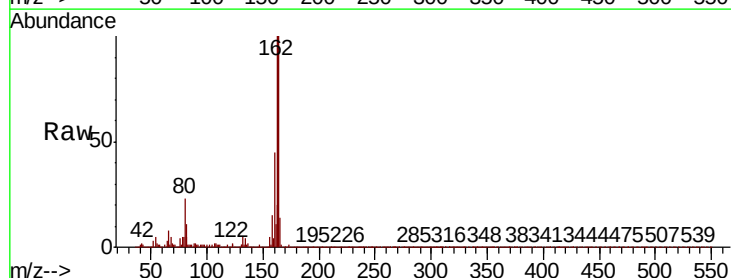
Tgt Ion:165 Resp: 122874

Ion Ratio Lower Upper

165 100

63 1.4 35.8 53.6#

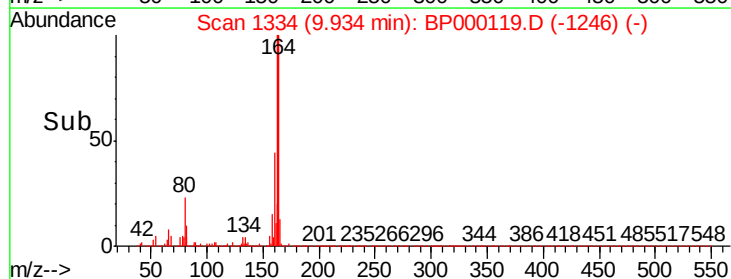
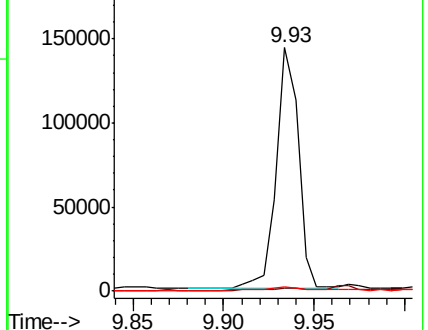
89 1.6 42.2 63.4#

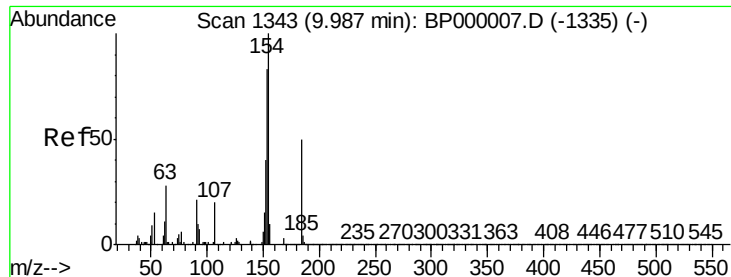


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0





#54

2,4-Dinitrophenol

Concen: 8.665 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Instrument :

BNA_P

ClientSampleId :

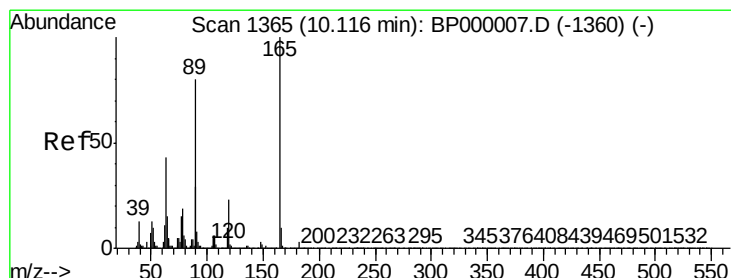
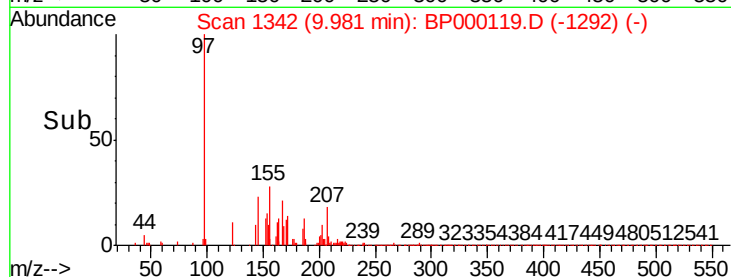
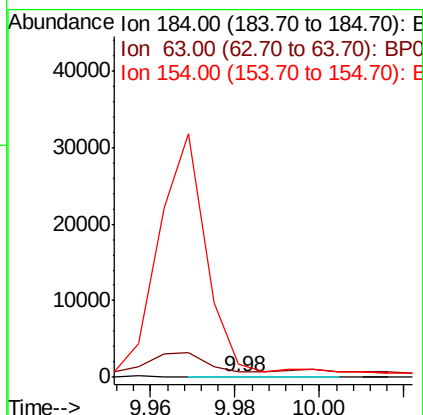
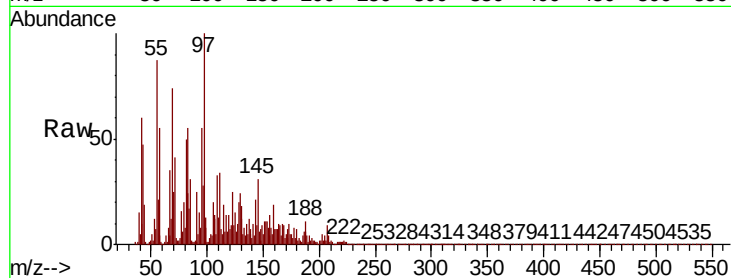
Tot Ion:184 Resp: 90

Ion Ratio Lower Upper

184 100

63 561.4 46.0 69.0#

154 1296.2 161.9 242.9#



#57

2,4-Dinitrotoluene

Concen: 7.431 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Tgt Ion:165 Resp: 122874

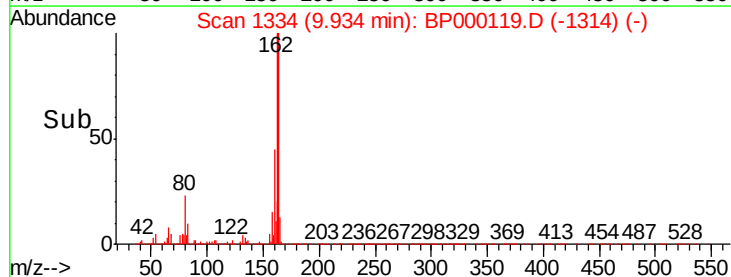
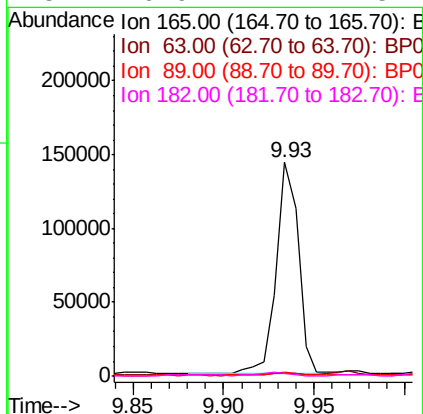
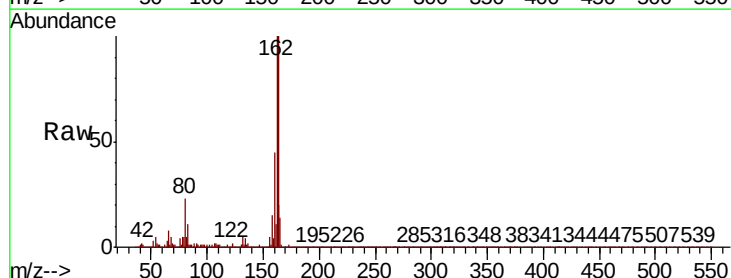
Ion Ratio Lower Upper

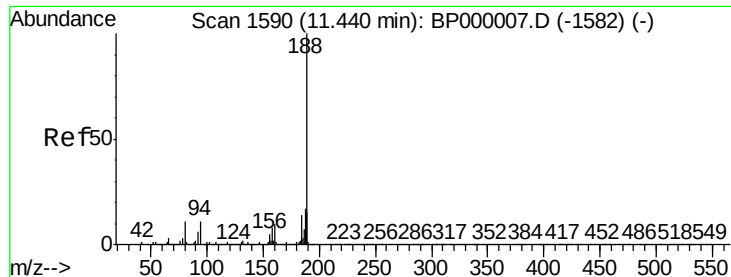
165 100

63 1.4 34.4 51.6#

89 1.6 64.3 96.5#

182 0.9 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Instrument :

BNA_P

ClientSampleId :

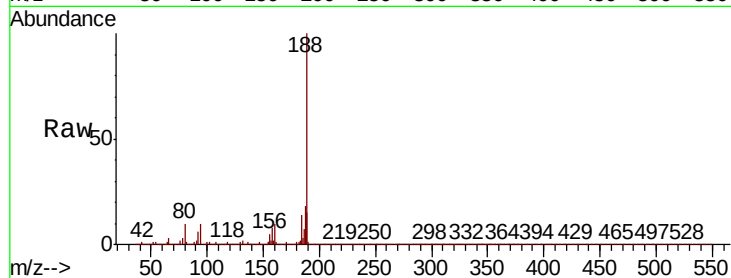
Tot Ion:188 Resp: 1616248

Ion Ratio Lower Upper

188 100

94 10.0 8.8 13.2

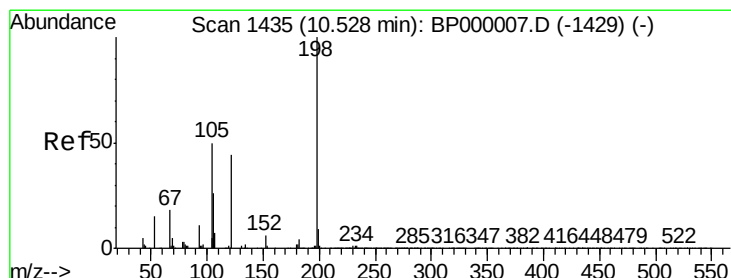
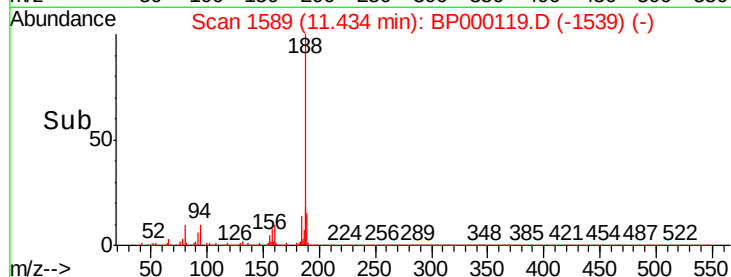
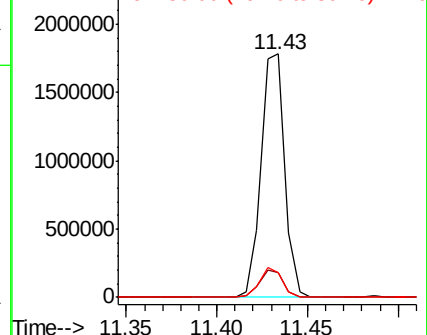
80 10.2 9.0 13.6



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: 7.762 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

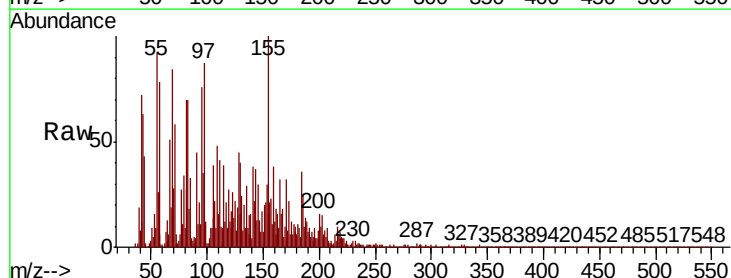
Tgt Ion:198 Resp: 283

Ion Ratio Lower Upper

198 100

51 223.7 22.1 62.1#

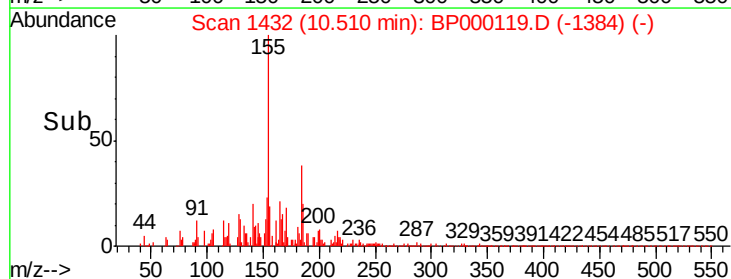
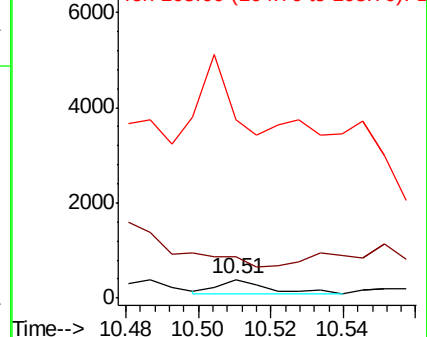
105 955.5 32.0 72.0#

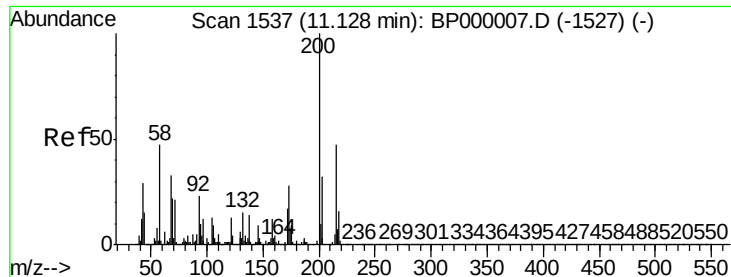


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#69

Atrazine

Concen: Below Cal

RT: 11.12 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Instrument :

BNA_P

ClientSampled :

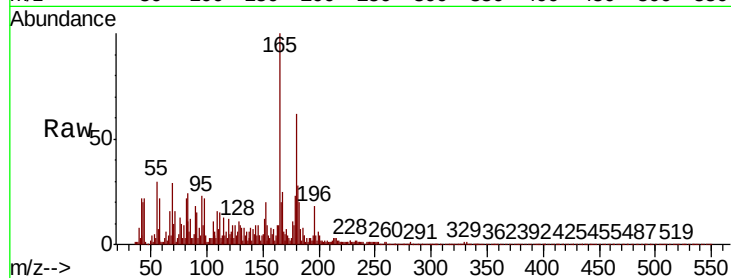
Tot Ion:200 Resp: 583

Ion Ratio Lower Upper

200 100

173 94.1 8.1 48.1#

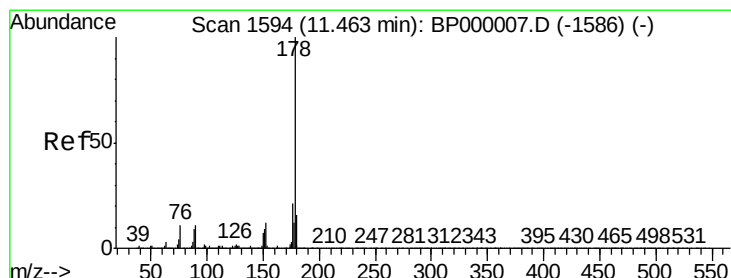
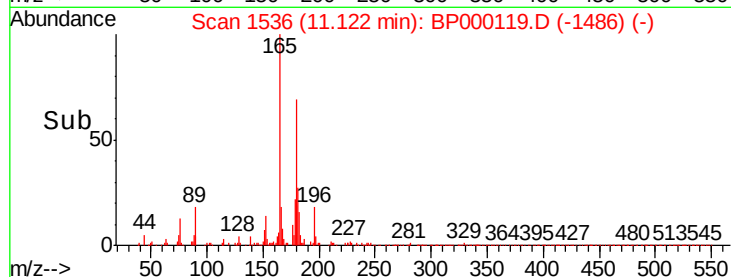
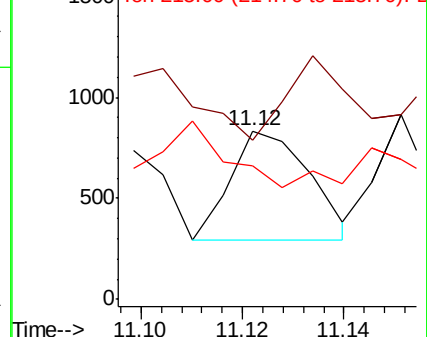
215 79.4 26.7 66.7#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#71

Phenanthrene

Concen: 7.945 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

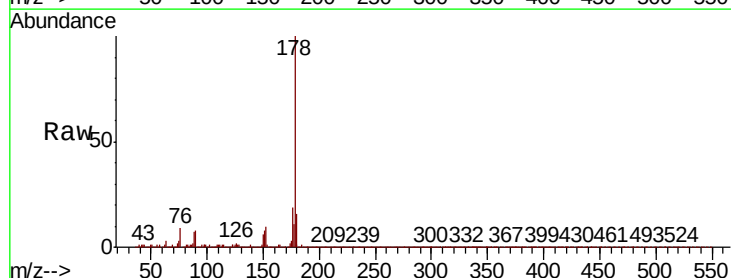
Tgt Ion:178 Resp: 640032

Ion Ratio Lower Upper

178 100

176 19.1 16.7 25.1

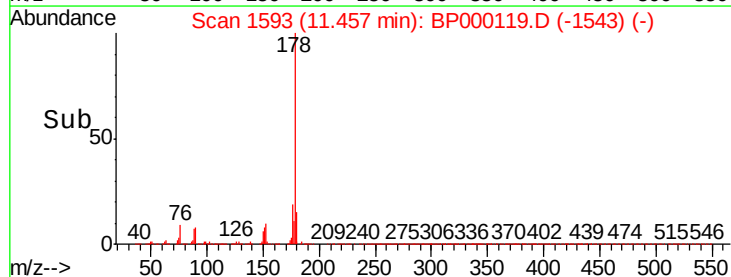
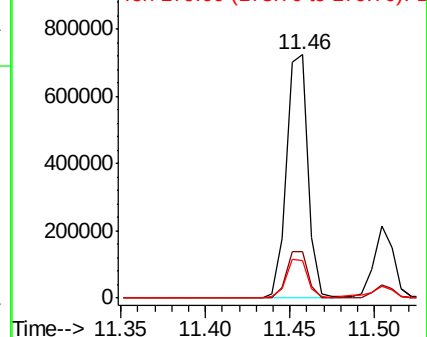
179 15.6 13.1 19.7

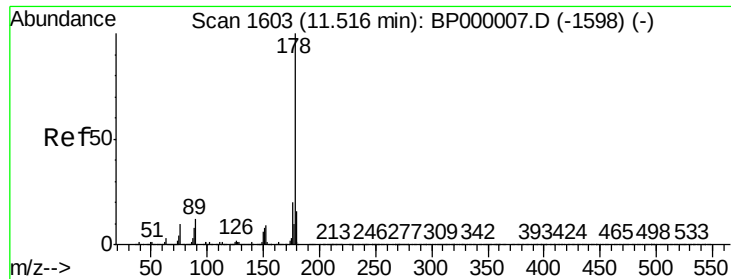


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.145 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Instrument :

BNA_P

ClientSampleId :

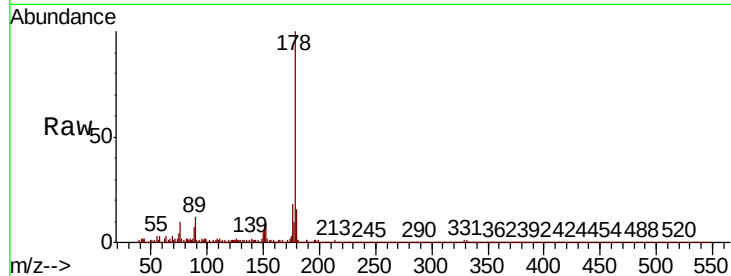
Tot Ion:178 Resp: 170725

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.9	23.9
179	16.0	13.0	19.6

178 100

176 18.2 15.9 23.9

179 16.0 13.0 19.6

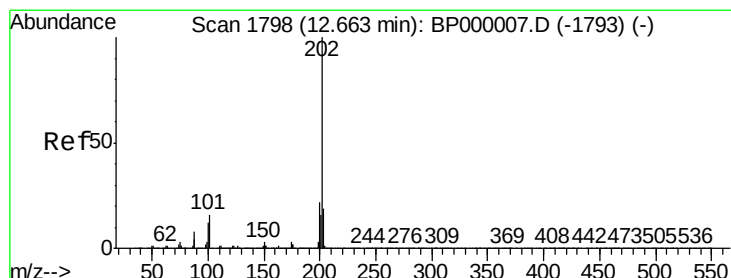
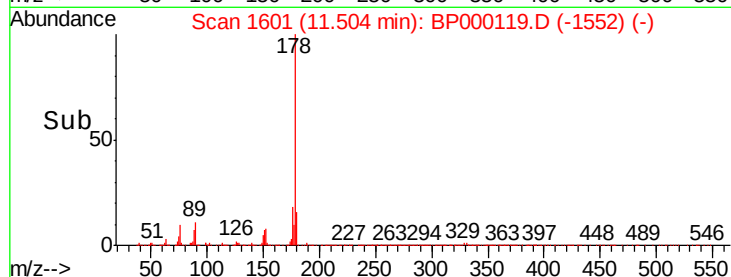
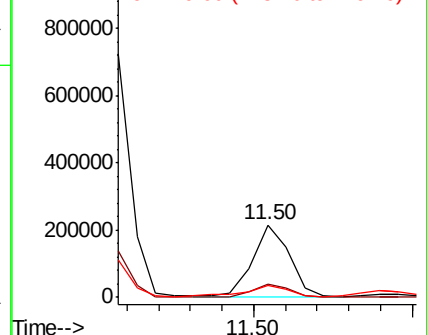


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 8.379 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

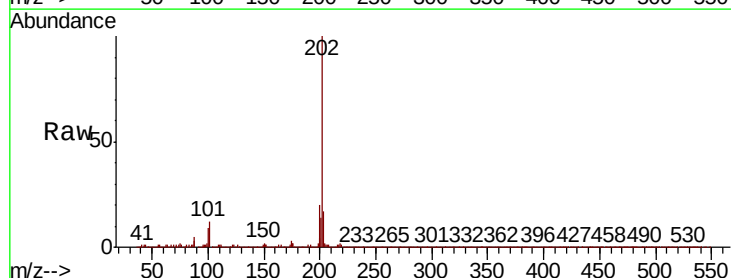
Tgt Ion:202 Resp: 733472

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	36.4
203	16.9	0.0	38.7

202 100

101 11.6 0.0 36.4

203 16.9 0.0 38.7

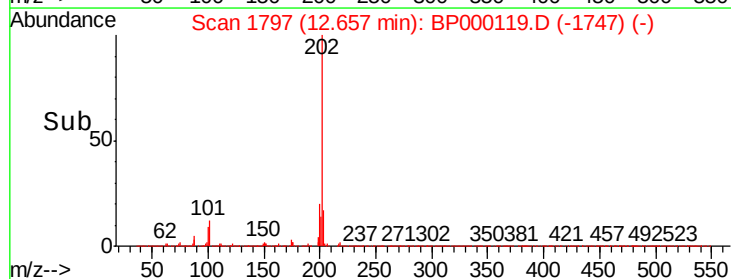
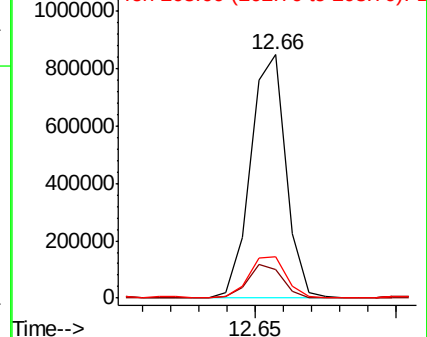


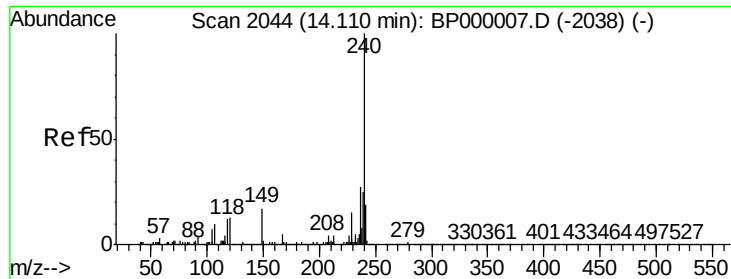
Abundance

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

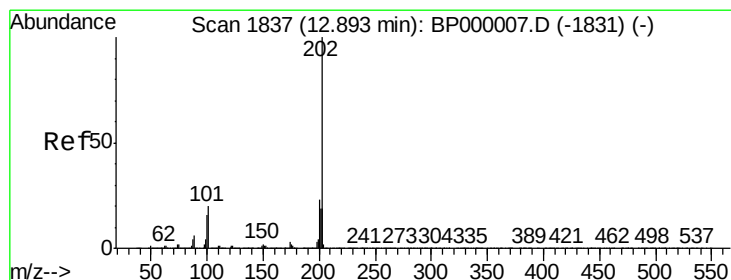
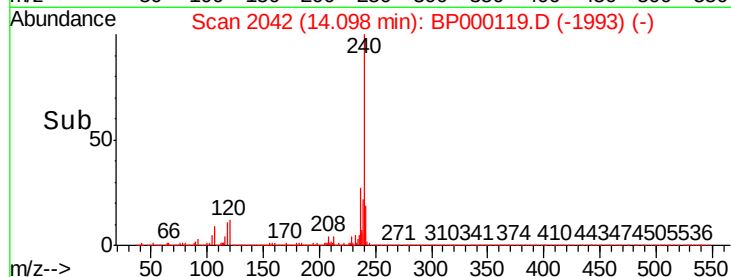
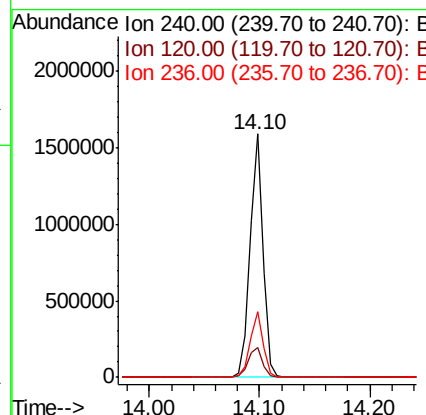
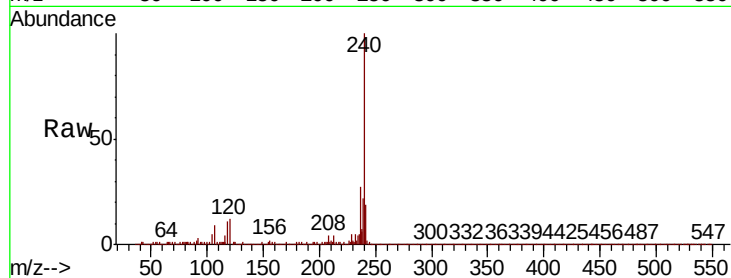




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BP000119.D
 Acq: 09 Sep 2019 03:35

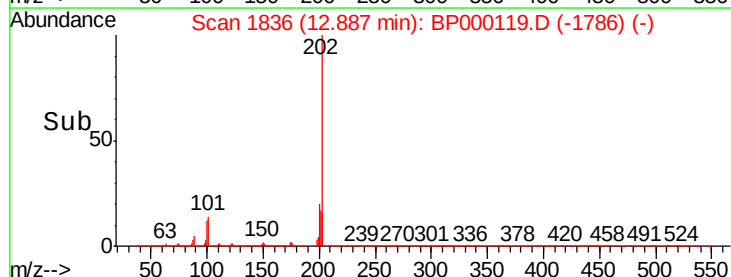
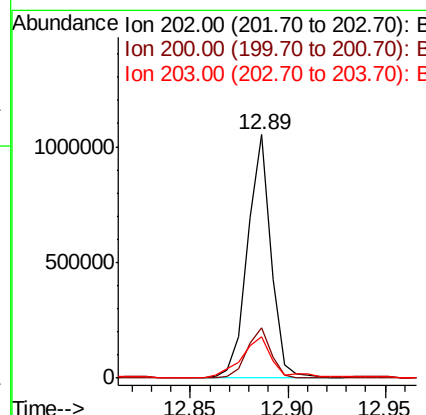
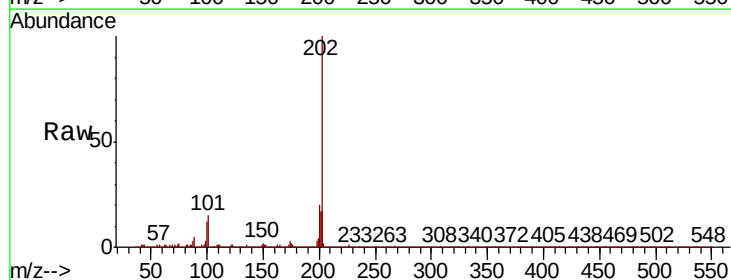
Instrument :
 BNA_P
 ClientSampleId :

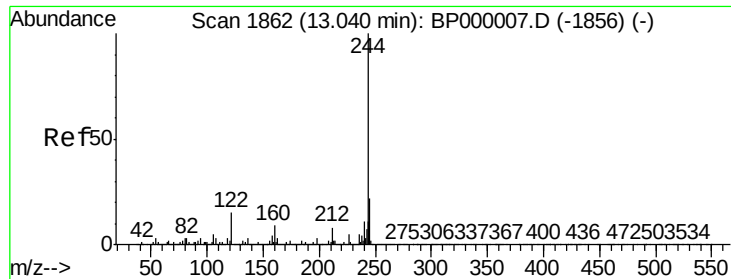
Tot Ion:240 Resp: 1307738
 Ion Ratio Lower Upper
 240 100
 120 12.3 10.5 15.7
 236 27.1 21.5 32.3



#78
 Pyrene
 Concen: 9.048 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BP000119.D
 Acq: 09 Sep 2019 03:35

Tgt Ion:202 Resp: 870457
 Ion Ratio Lower Upper
 202 100
 200 20.5 18.5 27.7
 203 17.3 15.1 22.7

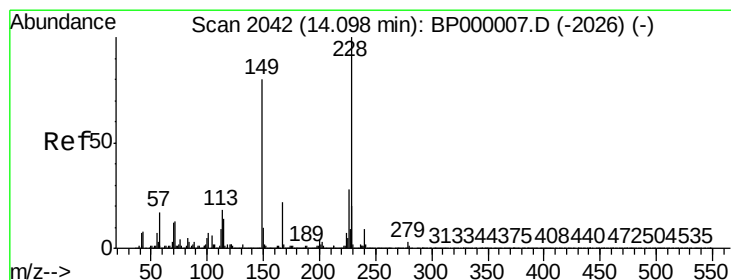
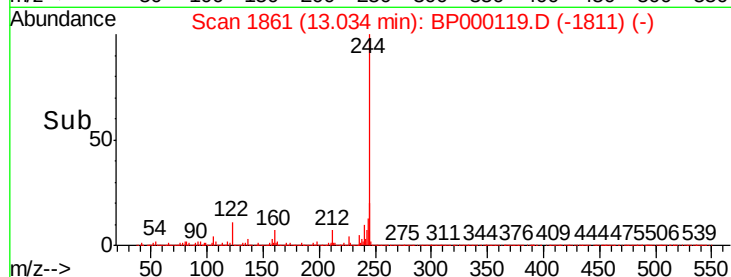
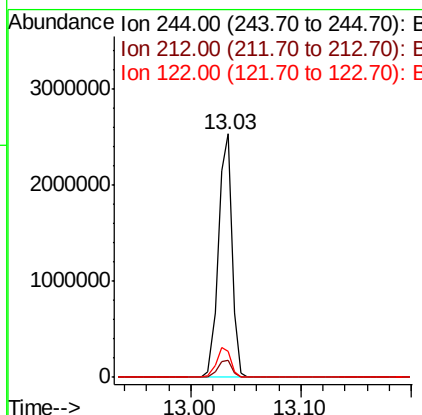
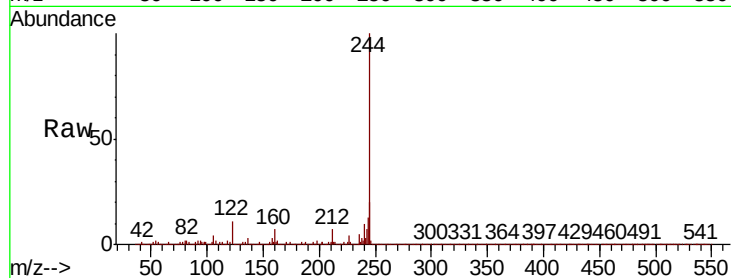




#79
 Terphenyl-d14
 Concen: 36.358 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: BP000119.D
 Acq: 09 Sep 2019 03:35

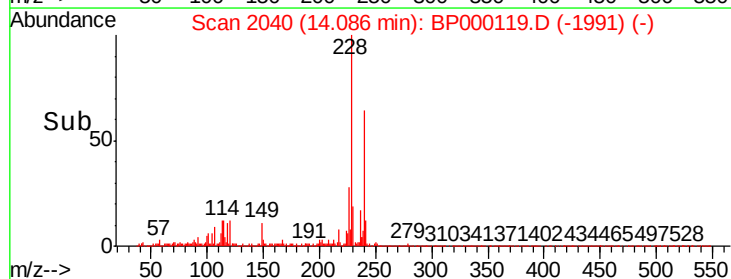
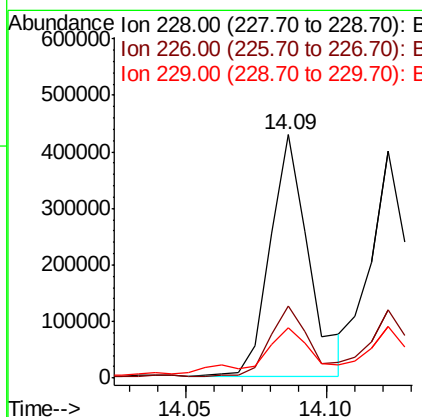
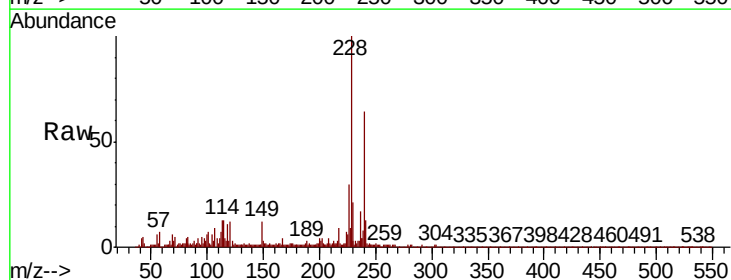
Instrument :
 BNA_P
 ClientSampleId :

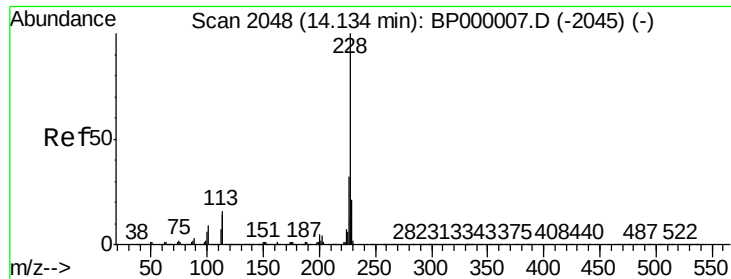
Tot Ion:244 Resp: 2181459
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.6 10.0
 122 10.7 12.3 18.5#



#81
 Benzo(a)anthracene
 Concen: 4.757 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. -0.01 min
 Lab File: BP000119.D
 Acq: 09 Sep 2019 03:35

Tgt Ion:228 Resp: 403121
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.5 33.7
 229 20.8 16.2 24.2

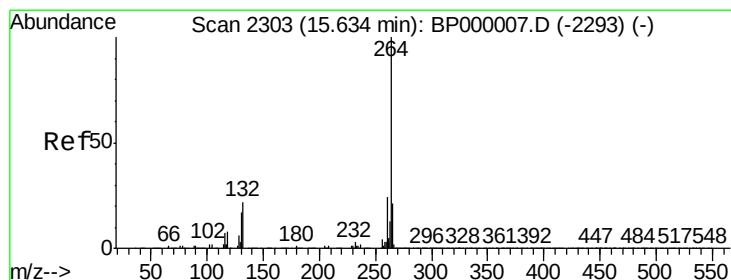
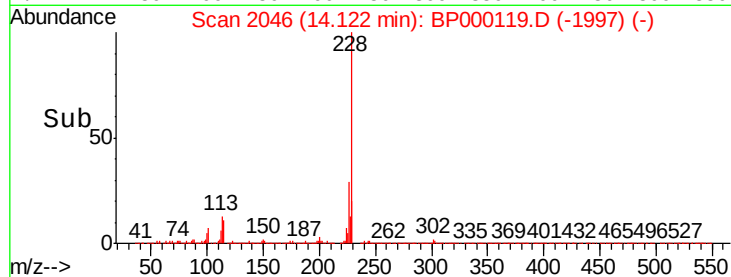
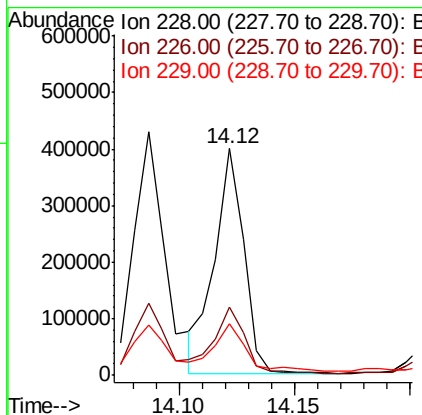
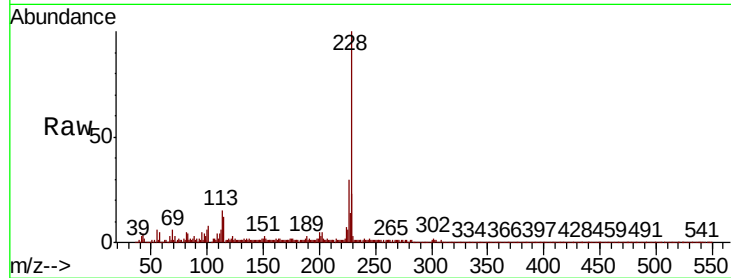




#83
Chrysene
Concen: 4.368 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

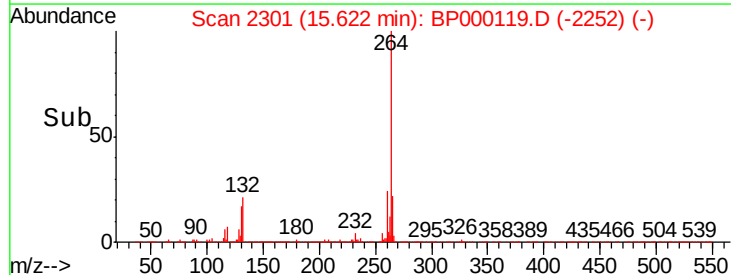
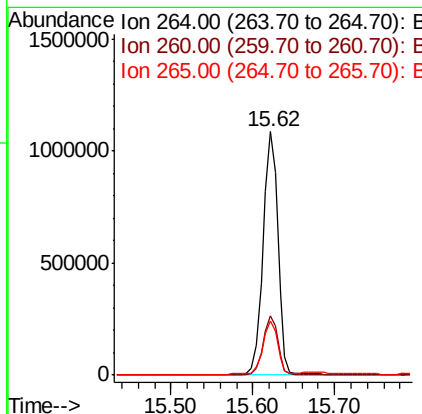
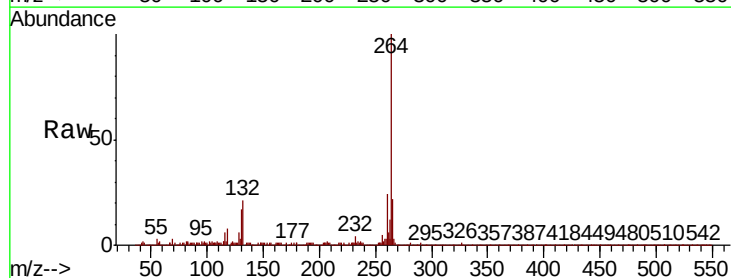
Instrument :
BNA_P
ClientSampleId :

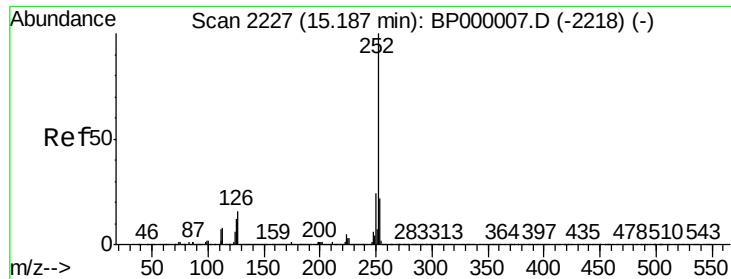
Tot Ion:228 Resp: 350141
Ion Ratio Lower Upper
228 100
226 29.9 25.5 38.3
229 23.0 16.5 24.7



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion:264 Resp: 1365380
Ion Ratio Lower Upper
264 100
260 24.2 19.1 28.7
265 22.4 17.1 25.7

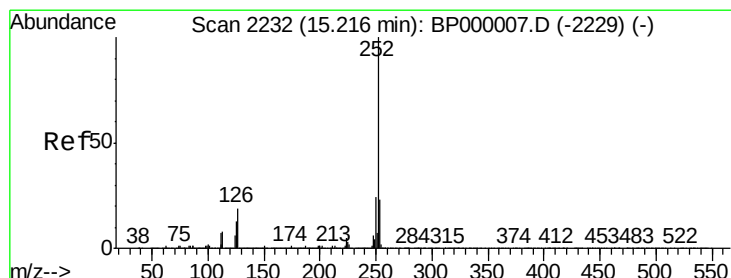
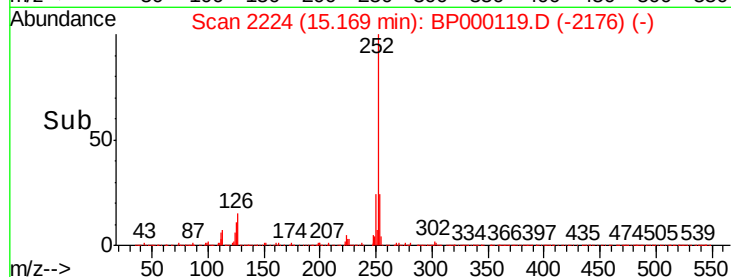
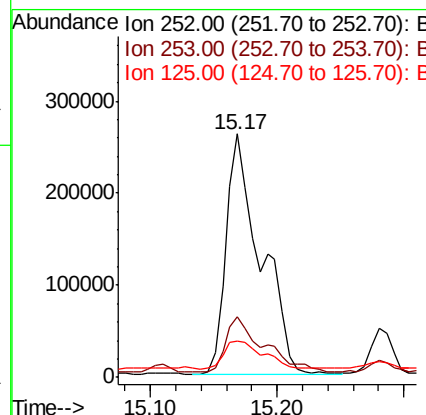
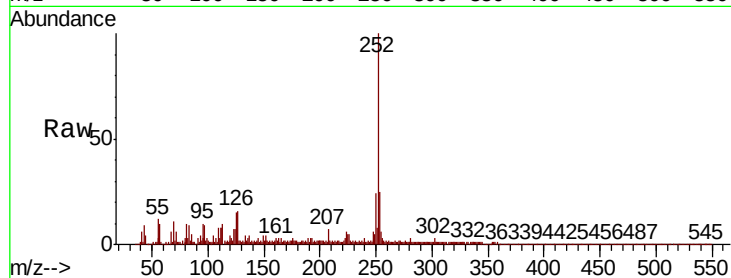




#88
Benzo(b)fluoranthene
Concen: 5.955 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

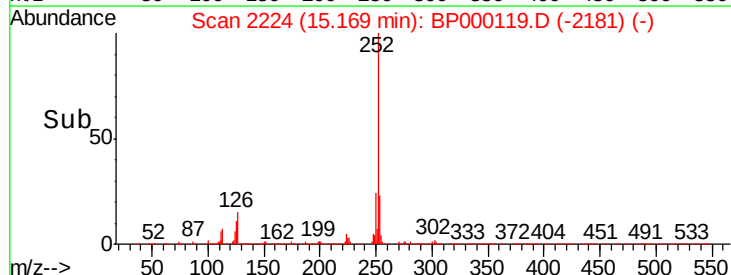
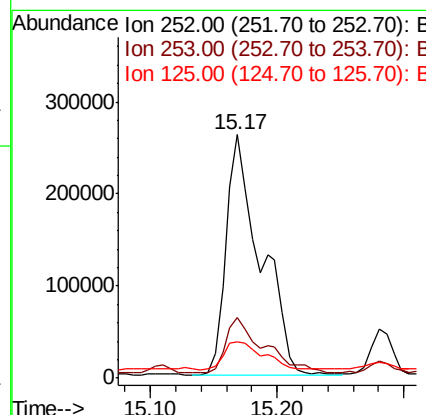
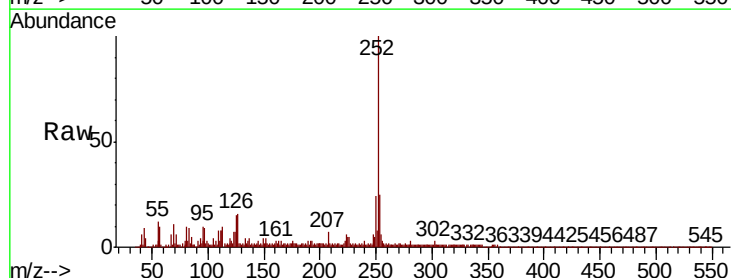
Instrument :
BNA_P
ClientSampleId :

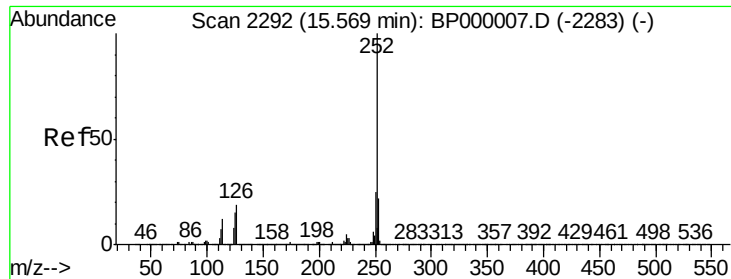
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	14.8	9.4	14.2



#89
Benzo(k)fluoranthene
Concen: 6.508 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.05 min
Lab File: BP000119.D
Acq: 09 Sep 2019 03:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	14.8	10.3	15.5





#90

Benzo(a)pyrene

Concen: 4.050 ng

RT: 15.55 min Scan# 2289

Delta R.T. -0.02 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

Instrument :

BNA_P

ClientSampleId :

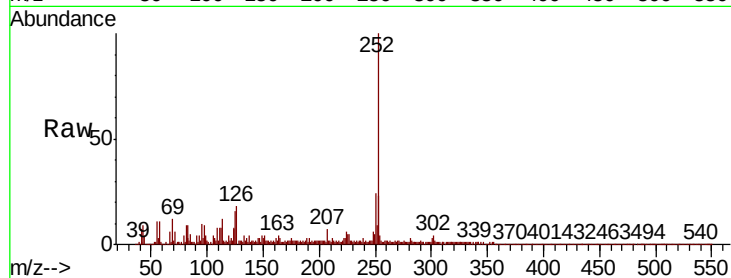
Tot Ion:252 Resp: 304900

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

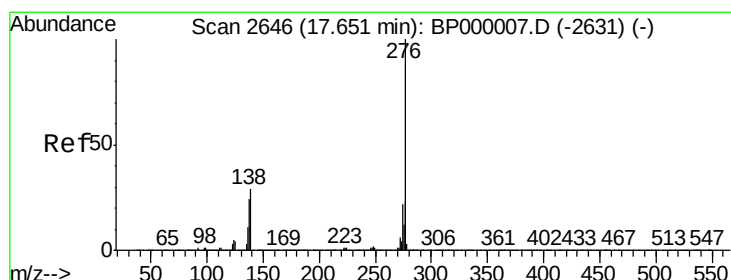
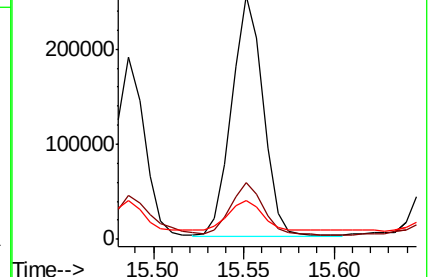
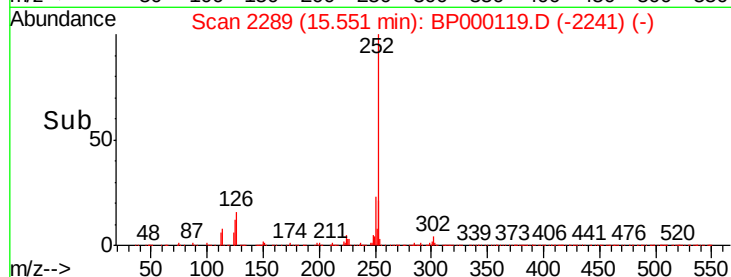
125 15.9 11.7 17.5



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



#92

Benzo(g,h,i)perylene

Concen: 2.053 ng

RT: 17.62 min Scan# 2641

Delta R.T. -0.03 min

Lab File: BP000119.D

Acq: 09 Sep 2019 03:35

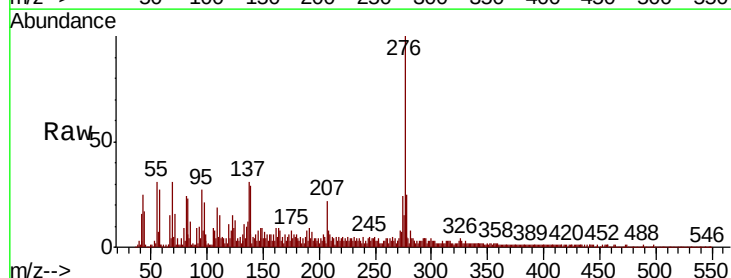
Tgt Ion:276 Resp: 152967

Ion Ratio Lower Upper

276 100

277 24.8 18.6 28.0

138 28.9 23.0 34.4



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

