

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
 Data File : BP000121.D
 Acq On : 09 Sep 2019 04:24
 Operator : HP/JU
 Sample : K4719-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 09 06:43:55 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	442735	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1644147	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	899539	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	1489563	20.00	ng	0.00
76) Chrysene-d12	14.10	240	1031459	20.00	ng	0.00
87) Perylene-d12	15.63	264	1215477	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1531345	55.16	ng	0.00
7) Phenol-d6	6.51	99	1959215	55.90	ng	0.00
23) Nitrobenzene-d5	7.45	82	1037464	38.72	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	465948	61.45	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	2256371	41.89	ng	0.00
79) Terphenyl-d14	13.04	244	1970272	41.63	ng	0.00

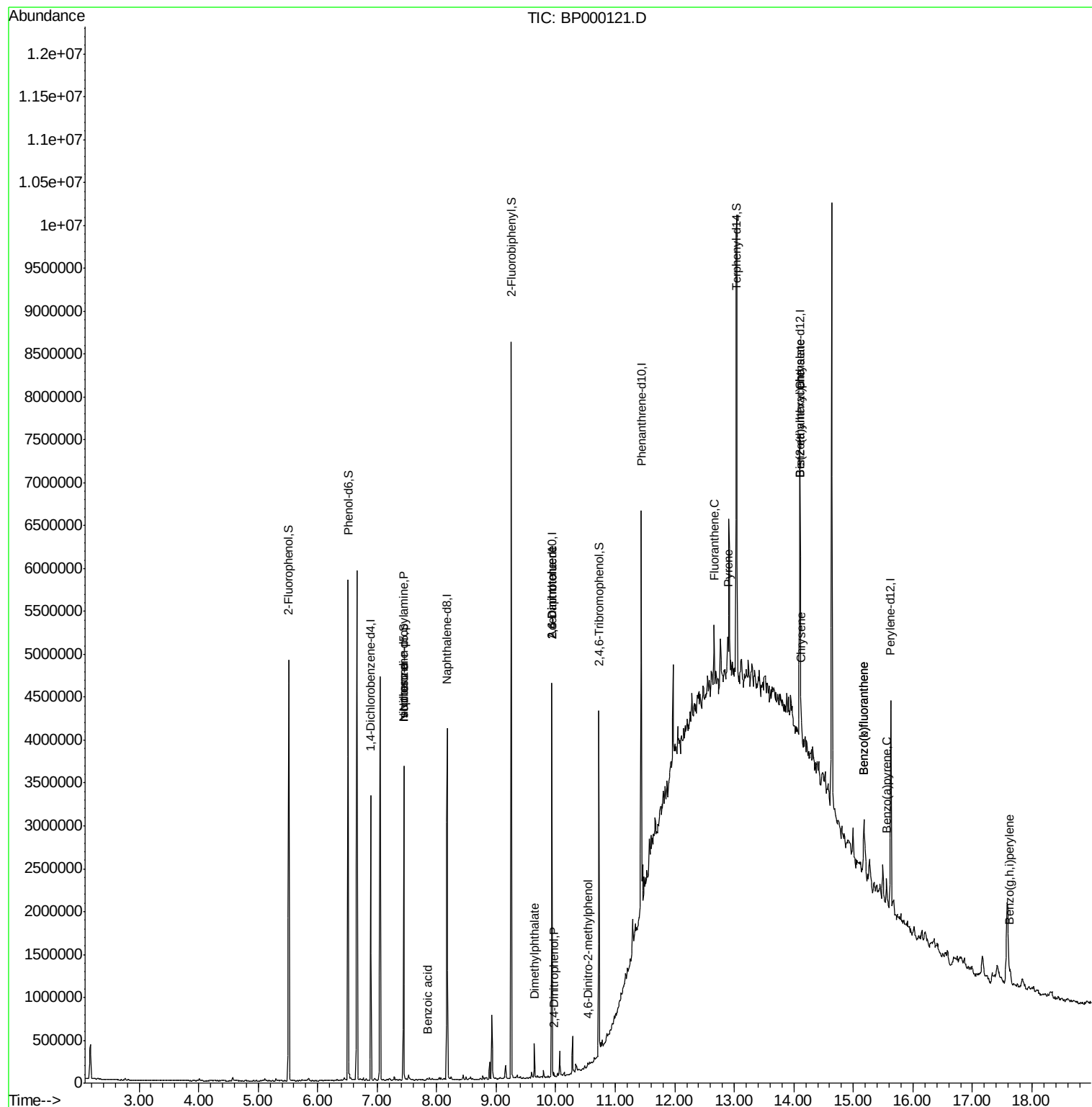
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.45	70	126964	6.365	ng	# 75
25) Isophorone	7.45	82	1036377	18.305	ng	# 66
32) Benzoic acid	7.84	122	5879	8.382	ng	90
50) Dimethylphthalate	9.65	163	165284	2.696	ng	99
51) 2,6-Dinitrotoluene	9.93	165	118269	9.090	ng	# 30
54) 2,4-Dinitrophenol	9.98	184	70	8.661	ng	# 1
57) 2,4-Dinitrotoluene	9.93	165	118269	7.120	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.55	198	215	7.756	ng	# 1
69) Atrazine	11.16	200	1743	Below Cal		# 1
75) Fluoranthene	12.66	202	285236	3.535	ng	88
78) Pyrene	12.89	202	260398	3.432	ng	# 94
81) Benzo(a)anthracene	14.09	228	143262	2.143	ng	# 85
83) Chrysene	14.13	228	153939	2.435	ng	# 96
84) Bis(2-ethylhexyl)phthalate	14.09	149	219467	4.988	ng	# 98
88) Benzo(b)fluoranthene	15.17	252	344398	4.639	ng	# 90
89) Benzo(k)fluoranthene	15.17	252	344398	5.069	ng	# 91
90) Benzo(a)pyrene	15.56	252	143960	2.148	ng	# 89
92) Benzo(g,h,i)perylene	17.63	276	139822	2.108	ng	96

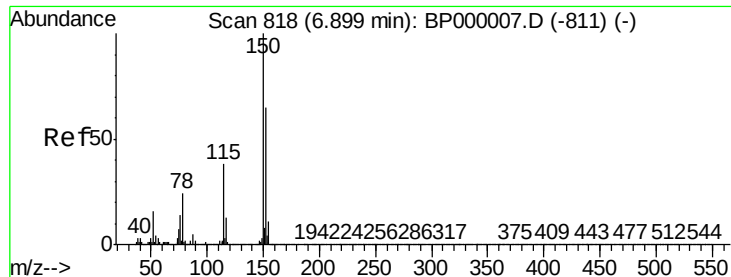
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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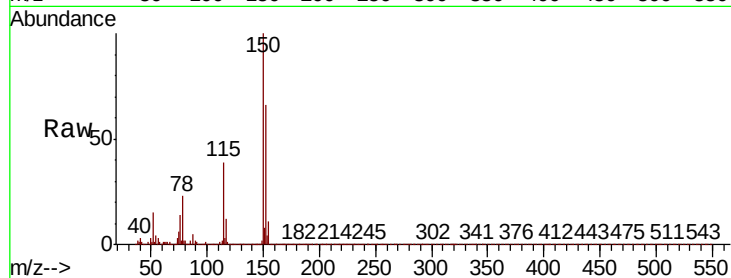


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	123.0	184.6
115	59.0	46.7	70.1

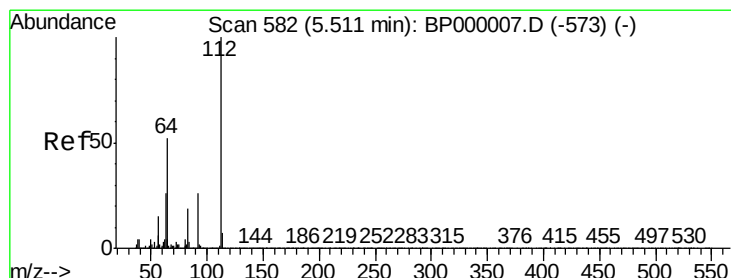
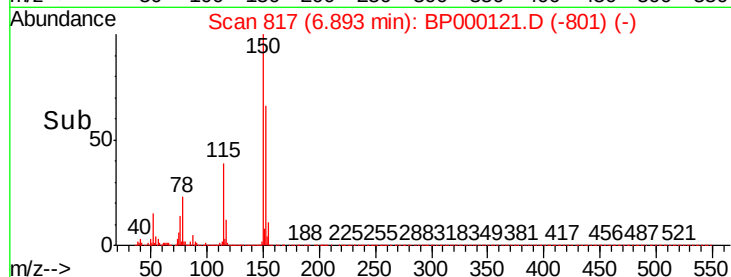
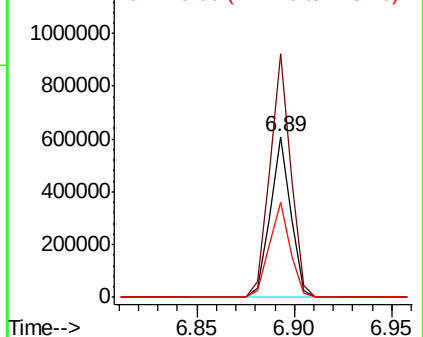


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

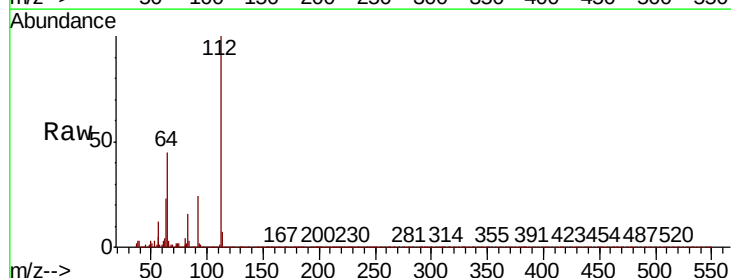
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.155 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	41.8	62.8
63	22.7	21.0	31.4

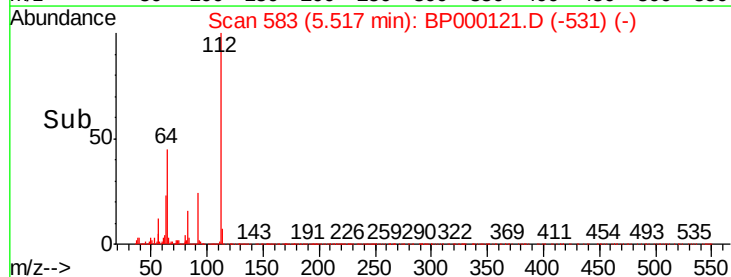
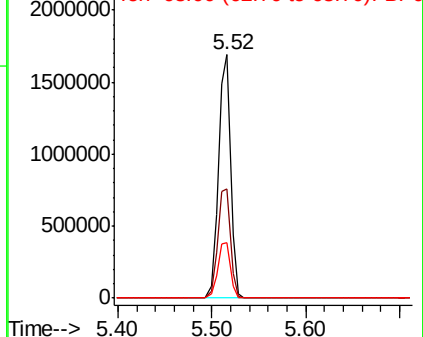


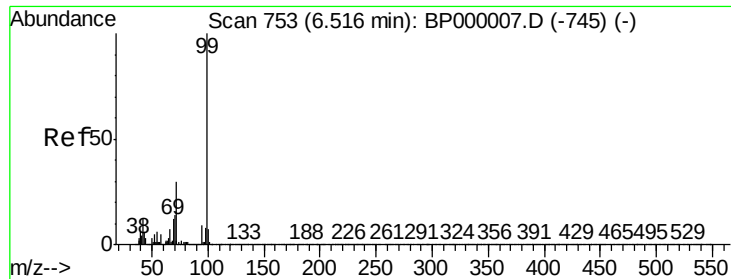
Abundance

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: 55.898 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

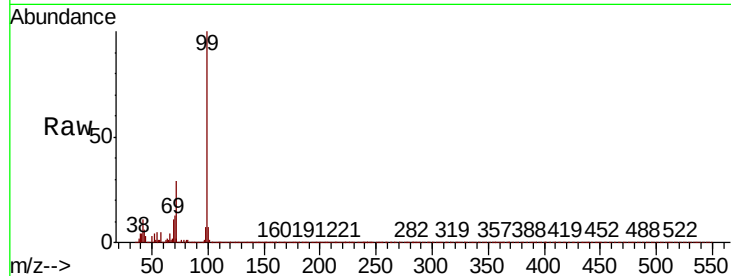
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1959215

Ion	Ratio	Lower	Upper
99	100		
42	11.3	9.8	14.8
71	28.5	23.8	35.8

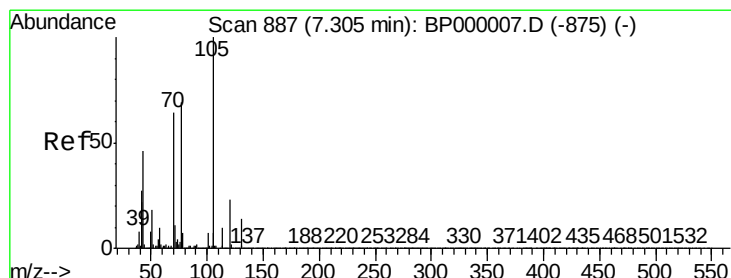
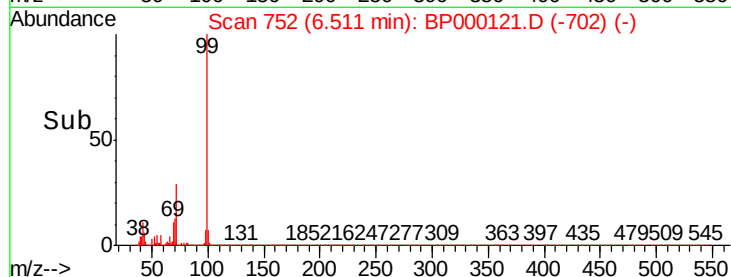
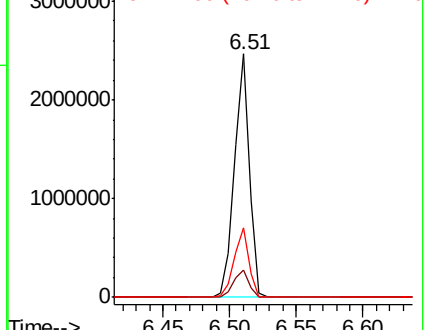


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 6.365 ng

RT: 7.45 min Scan# 911

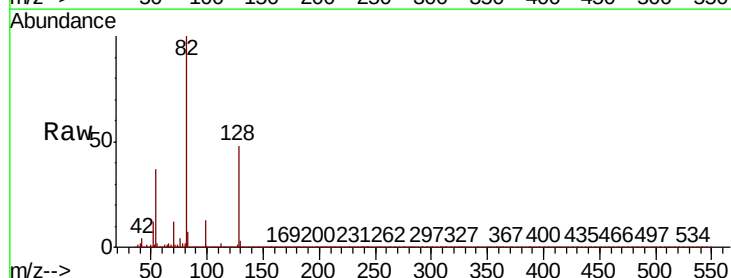
Delta R.T. 0.14 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Tgt Ion: 70 Resp: 126964

Ion	Ratio	Lower	Upper
70	100		
42	33.2	33.8	50.6#
101	0.0	8.7	13.1#
130	2.5	18.1	27.1#



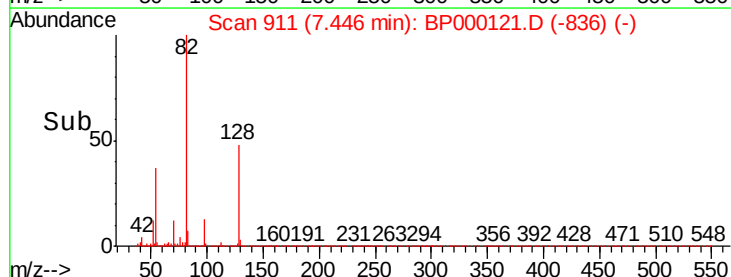
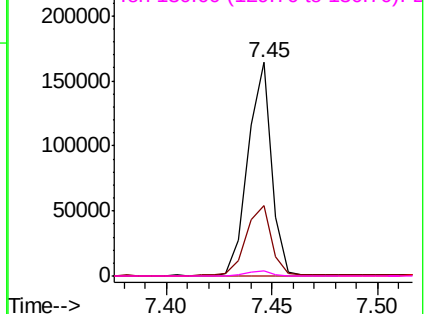
Abundance

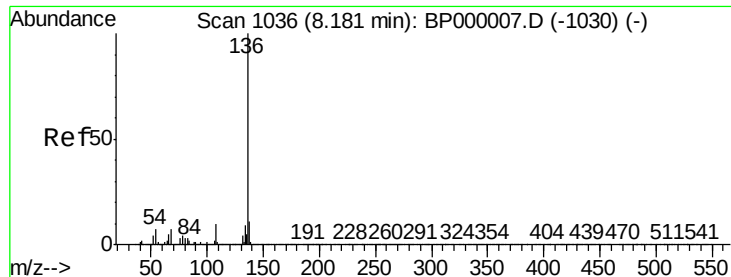
Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

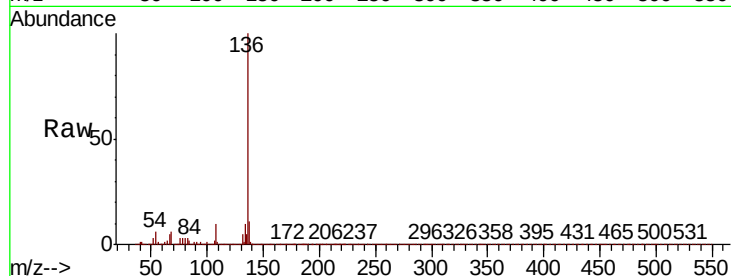




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

Instrument :
BNA_P
ClientSampleId :

Tot Ion:136	Resp: 1644147
Ion Ratio	Lower Upper
136 100	
137 11.2	8.6 13.0
54 6.2	5.4 8.2
68 6.2	5.4 8.0



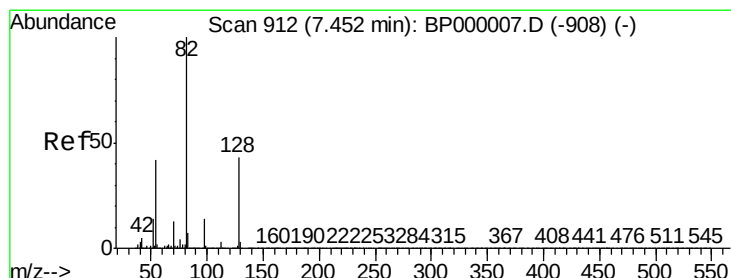
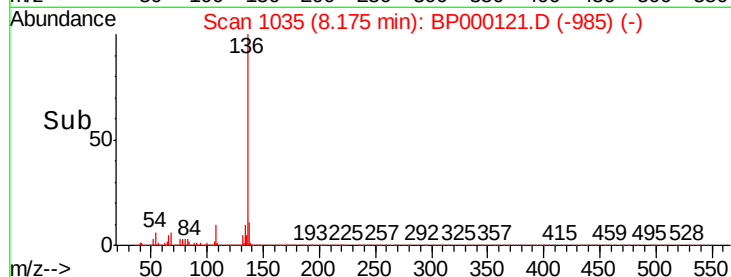
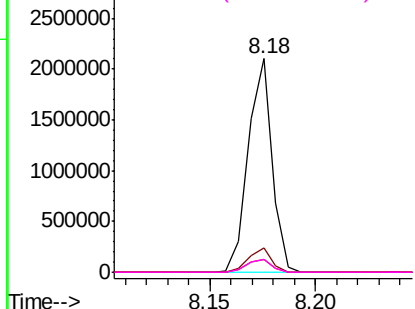
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

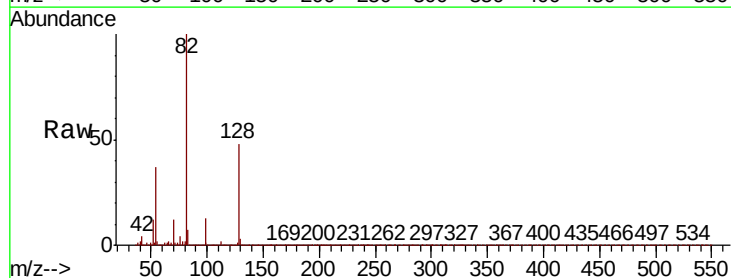
Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



#23
Nitrobenzene-d5
Concen: 38.718 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

Tgt Ion	82	Resp: 1037464	
Ion	Ratio	Lower	Upper
82	100		
128	48.4	34.5	51.7
54	36.6	33.2	49.8

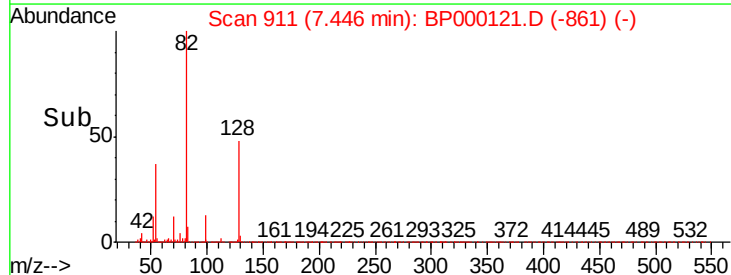
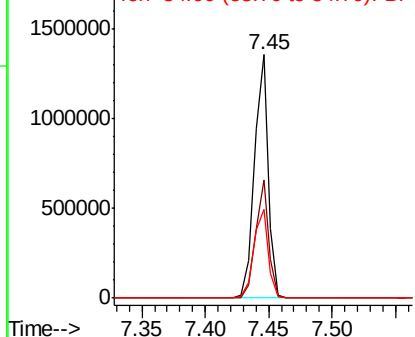


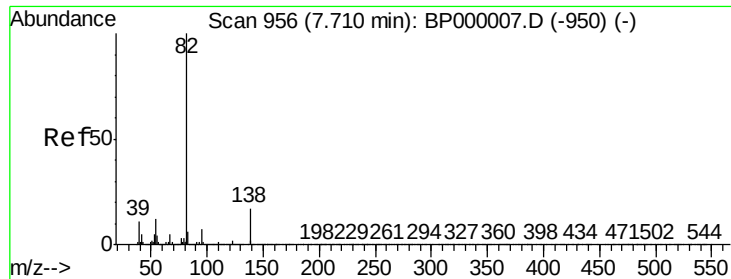
Abundance

Ion 82.00 (81.70 to 82.70): BP0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BP0





#25

Isophorone

Concen: 18.305 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Instrument :

BNA_P

ClientSampleId :

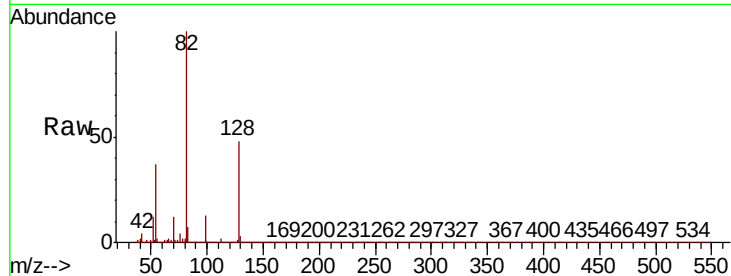
Tot Ion: 82 Resp: 1036377

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

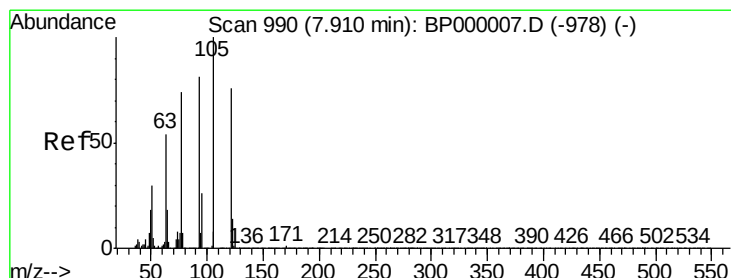
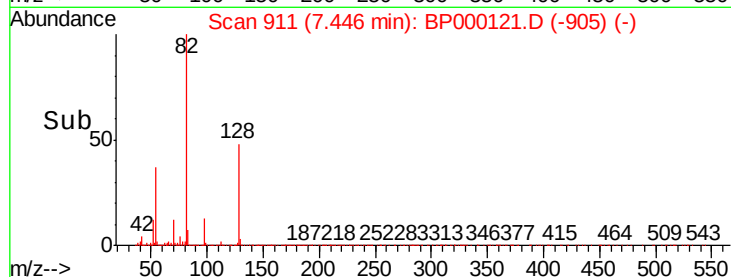
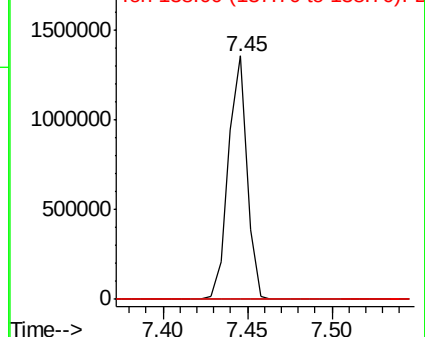
138 0.0 13.8 20.6#



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E



#32

Benzoic acid

Concen: 8.382 ng

RT: 7.84 min Scan# 978

Delta R.T. -0.07 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

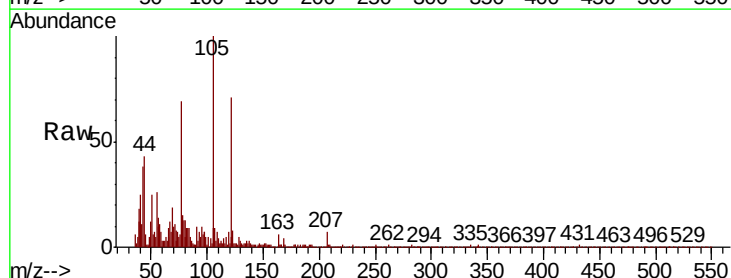
Tgt Ion: 122 Resp: 5879

Ion Ratio Lower Upper

122 100

105 141.8 104.6 144.6

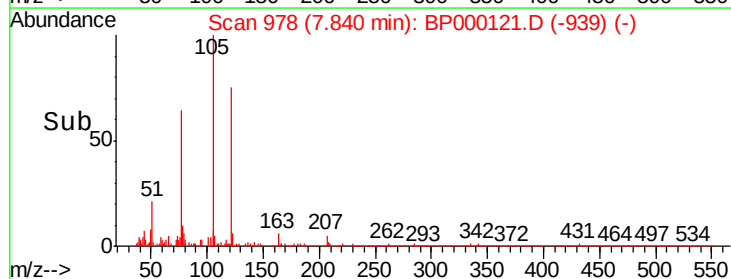
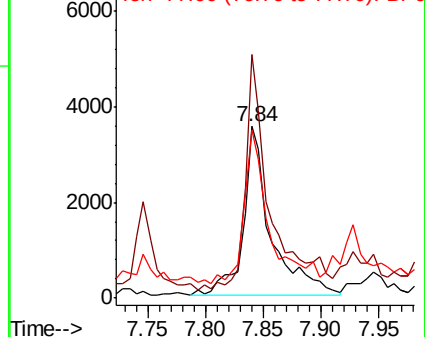
77 98.1 74.1 114.1

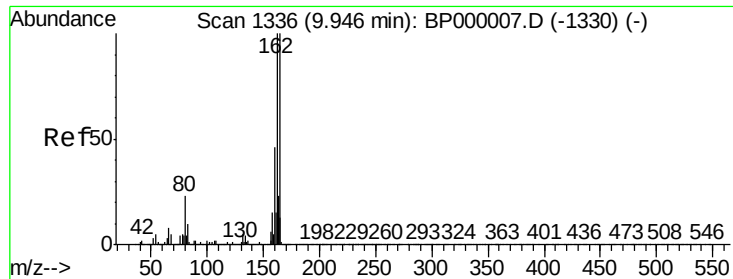


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0

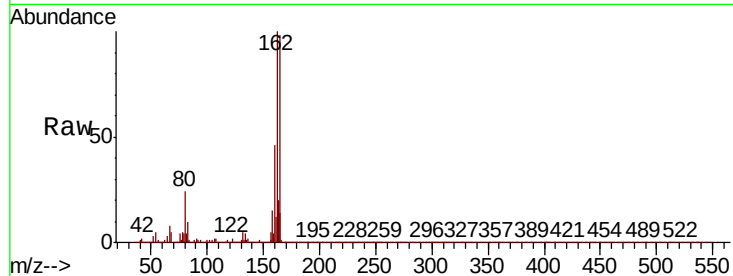




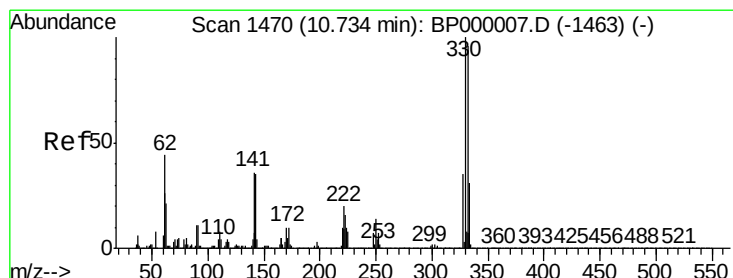
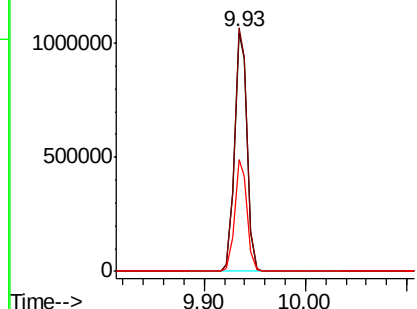
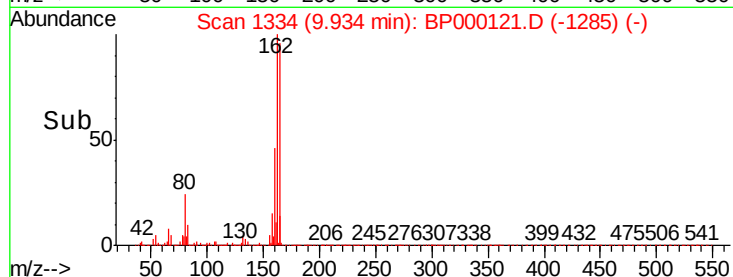
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BP000121.D
 Acq: 09 Sep 2019 04:24

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.2	120.4
160	46.6	36.6	55.0

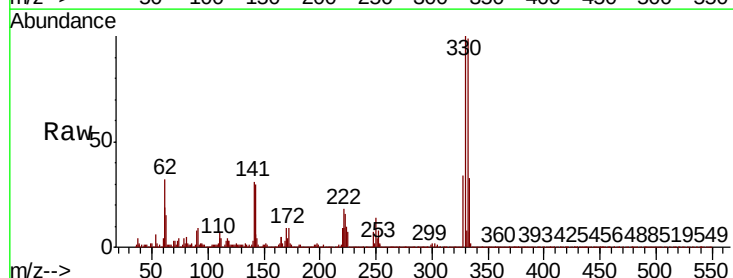


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

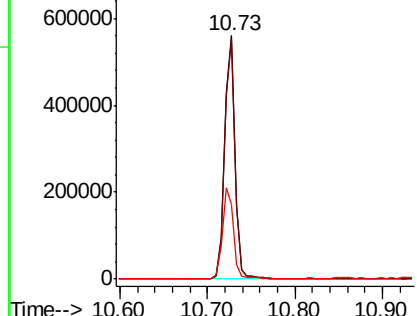
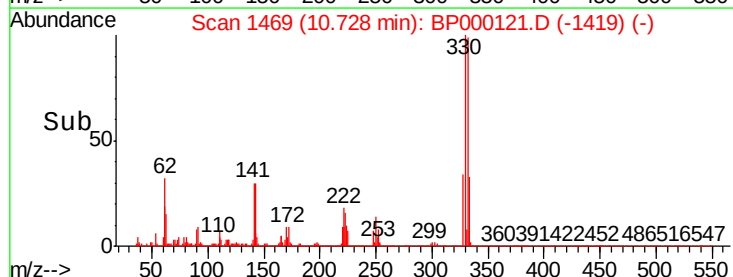


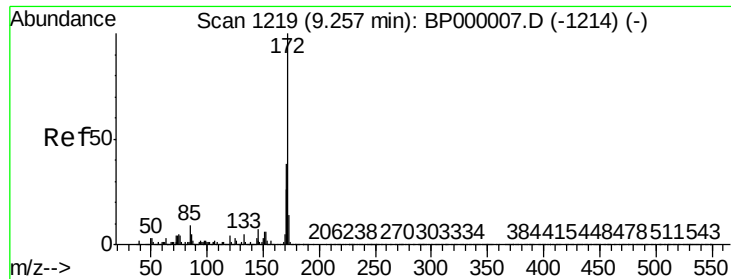
#42
 2,4,6-Tribromophenol
 Concen: 61.453 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BP000121.D
 Acq: 09 Sep 2019 04:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	76.8	115.2
141	38.7	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

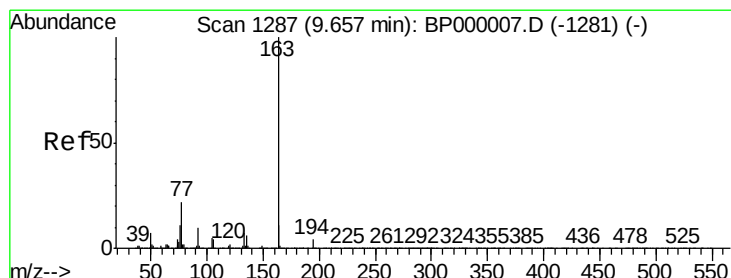
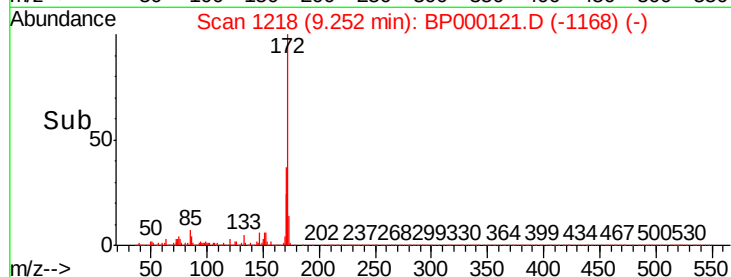
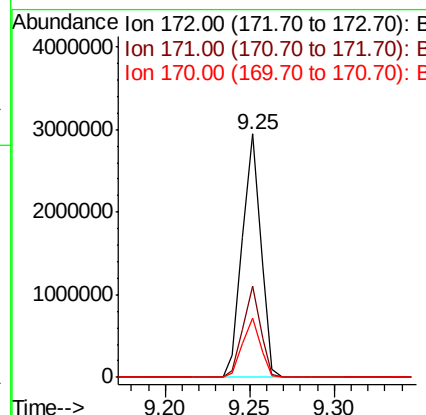
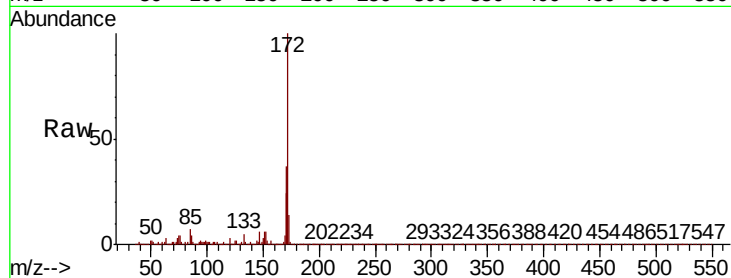




#45
2-Fluorobiphenyl
Concen: 41.890 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

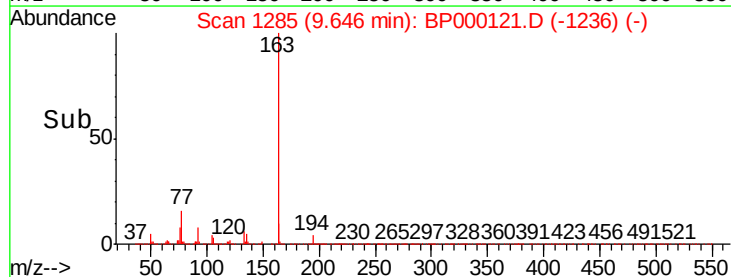
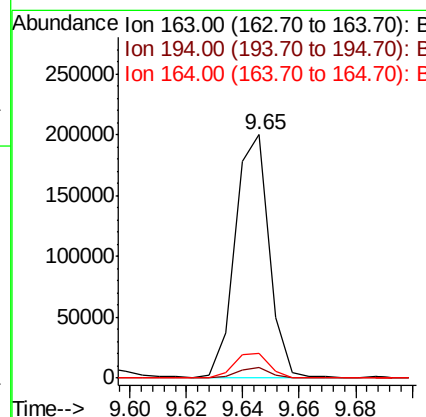
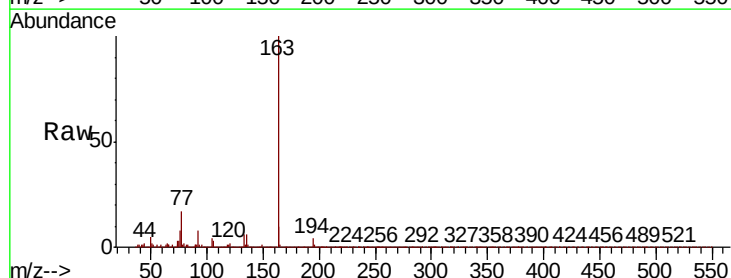
Instrument :
BNA_P
ClientSampleId :

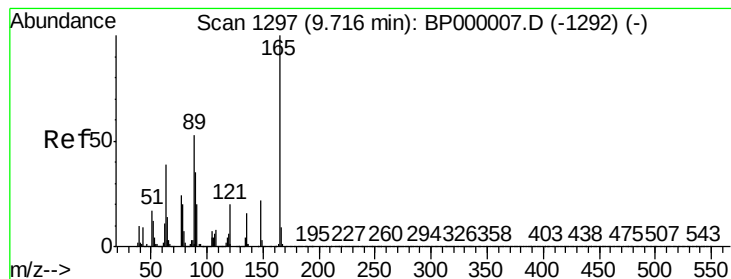
Tot Ion:172 Resp: 2256371
Ion Ratio Lower Upper
172 100
171 37.5 30.7 46.1
170 24.2 20.7 31.1



#50
Dimethylphthalate
Concen: 2.696 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

Tgt Ion:163 Resp: 165284
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 9.9 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 9.090 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.22 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Instrument :

BNA_P

ClientSampleId :

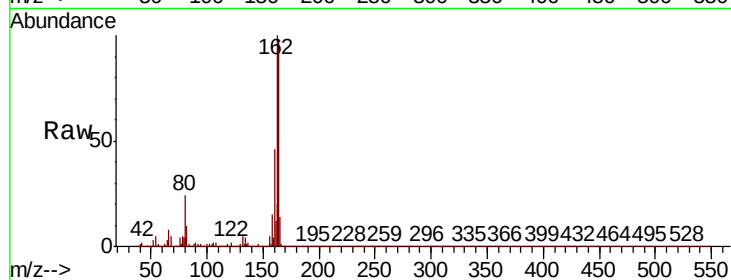
Tot Ion:165 Resp: 118269

Ion Ratio Lower Upper

165 100

63 1.1 35.8 53.6#

89 1.2 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

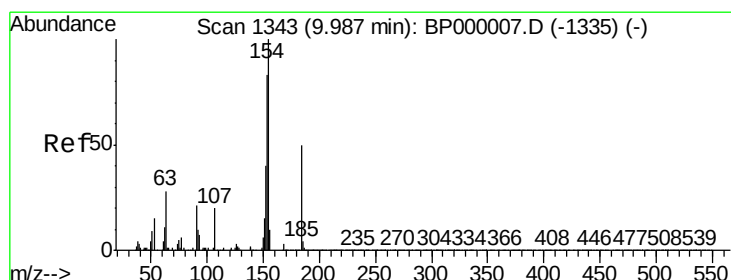
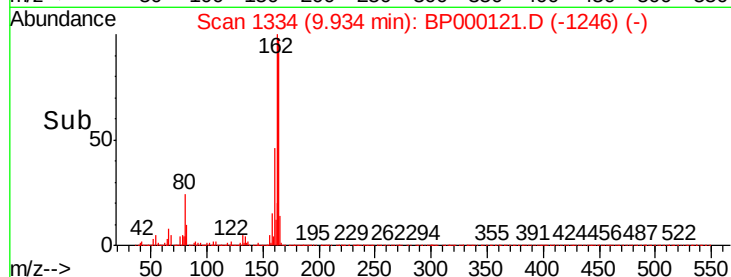
9.93

100000

50000

0

Time-->



#54

2,4-Dinitrophenol

Concen: 8.661 ng

RT: 9.98 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

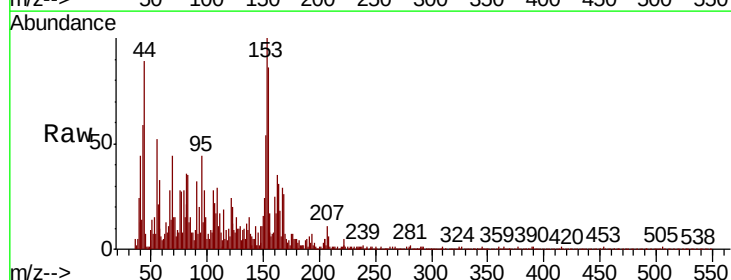
Tgt Ion:184 Resp: 70

Ion Ratio Lower Upper

184 100

63 560.9 46.0 69.0#

154 3790.2 161.9 242.9#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

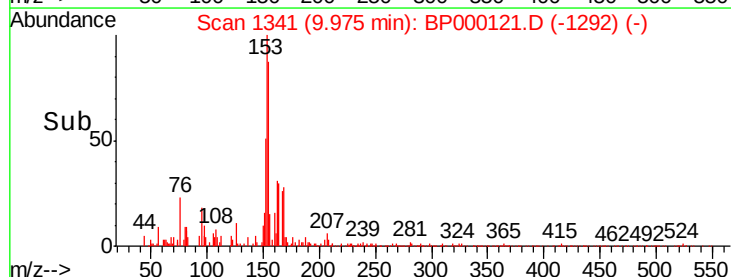
Ion 154.00 (153.70 to 154.70): E

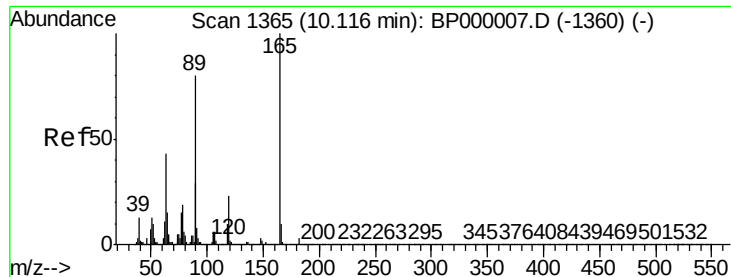
10000

5000

0

Time-->

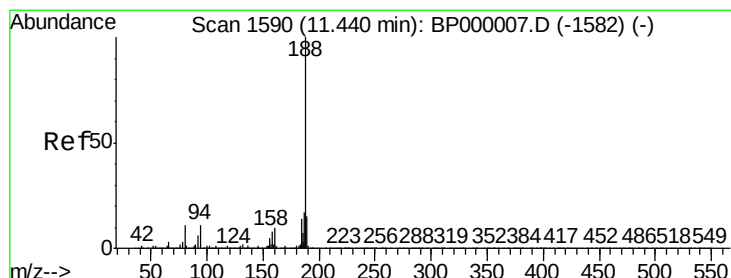
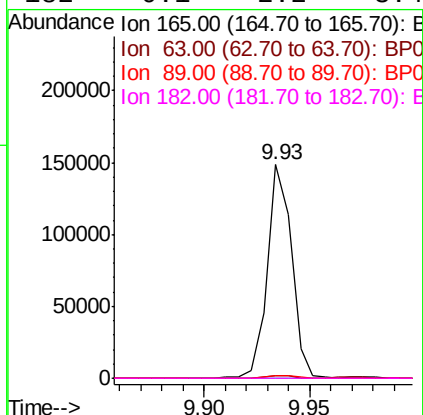
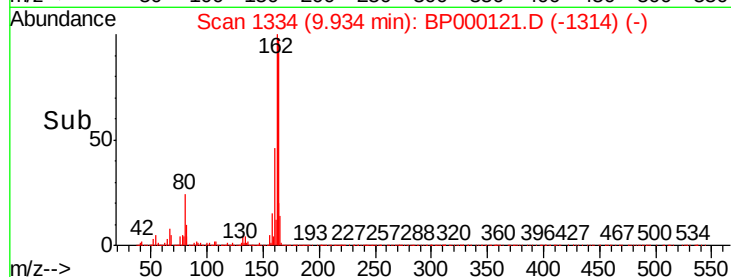
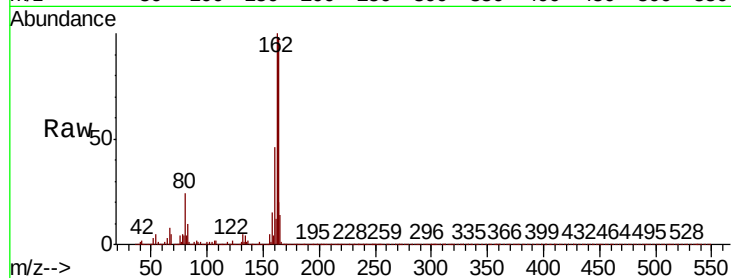




#57
 2,4-Dinitrotoluene
 Concen: 7.120 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BP000121.D
 Acq: 09 Sep 2019 04:24

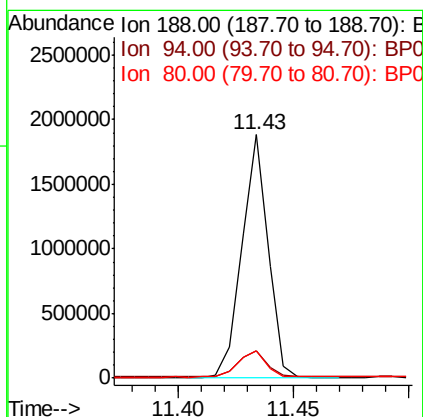
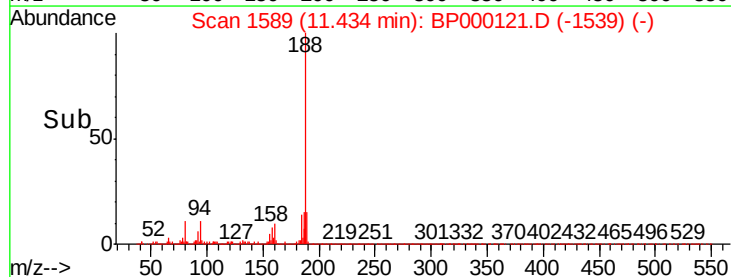
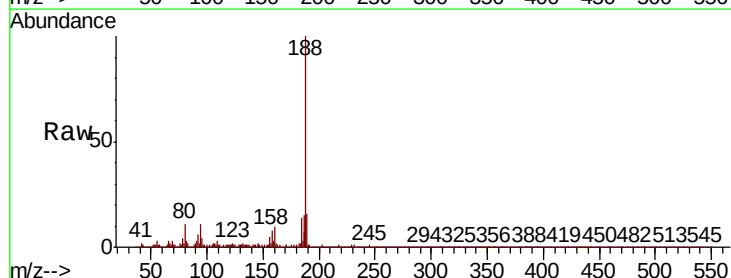
Instrument :
 BNA_P
 ClientSampleId :

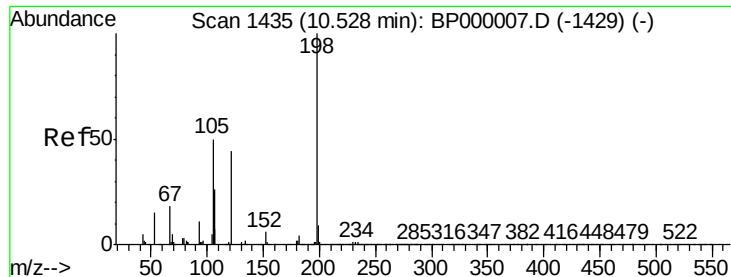
Tot Ion:165 Resp: 118269
 Ion Ratio Lower Upper
 165 100
 63 1.1 34.4 51.6#
 89 1.2 64.3 96.5#
 182 0.1 2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BP000121.D
 Acq: 09 Sep 2019 04:24

Tgt Ion:188 Resp: 1489563
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.8 13.2
 80 11.4 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.756 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.02 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Instrument :

BNA_P

ClientSampled :

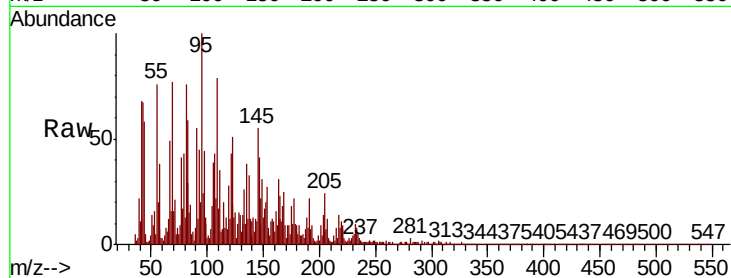
Tot Ion:198 Resp: 215

Ion Ratio Lower Upper

198 100

51 650.7 22.1 62.1#

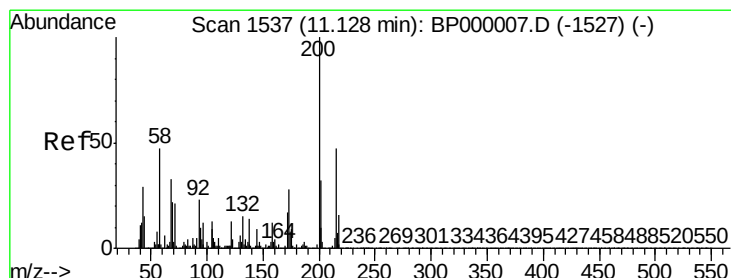
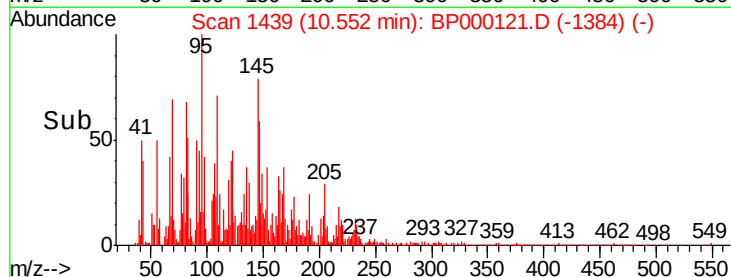
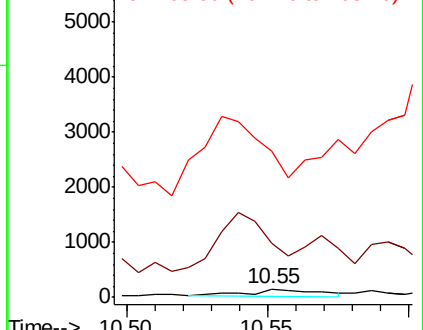
105 1748.0 32.0 72.0#



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: 11.16 min Scan# 1542

Delta R.T. 0.03 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

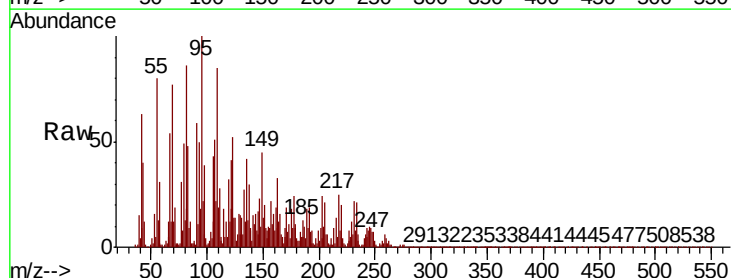
Tgt Ion:200 Resp: 1743

Ion Ratio Lower Upper

200 100

173 354.8 8.1 48.1#

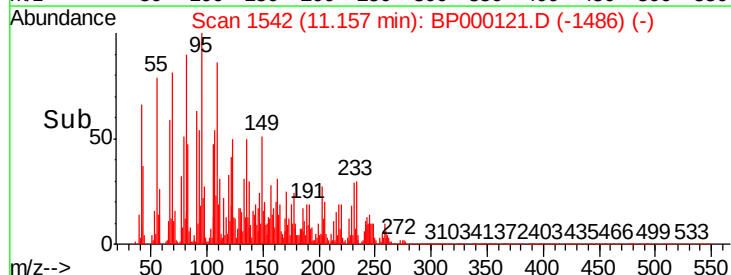
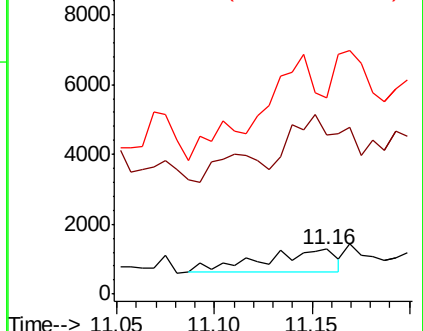
215 439.2 26.7 66.7#

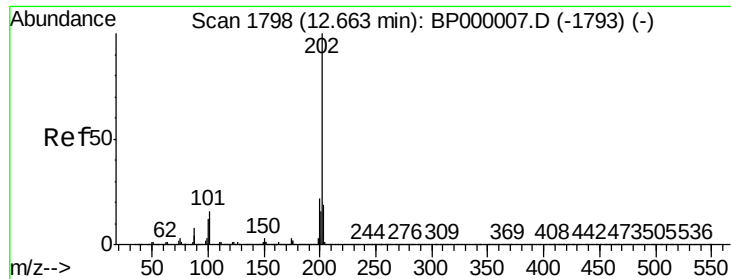


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#75

Fluoranthene

Concen: 3.535 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BP000121.D

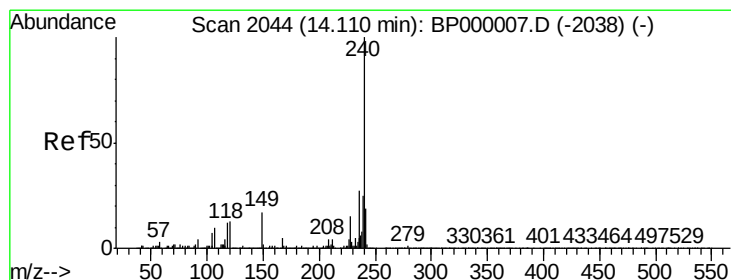
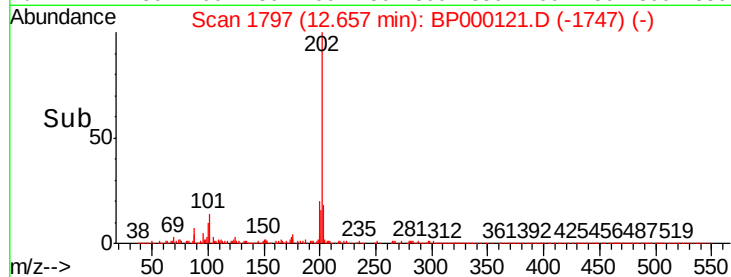
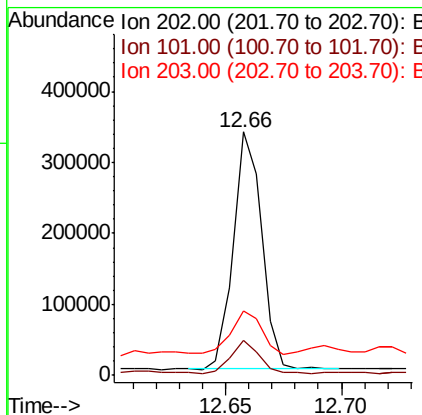
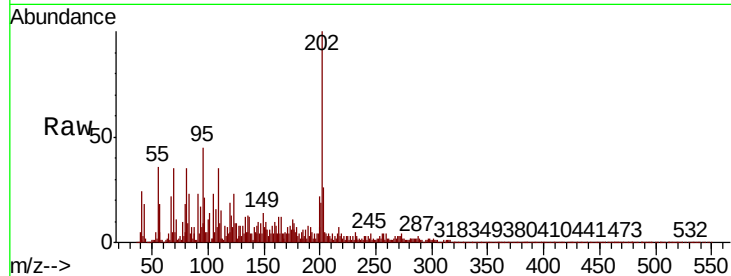
Acq: 09 Sep 2019 04:24

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	285236
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	36.4
203	26.5	0.0	38.7



#76

Chrysene-d12

Concen: 20.000 ng

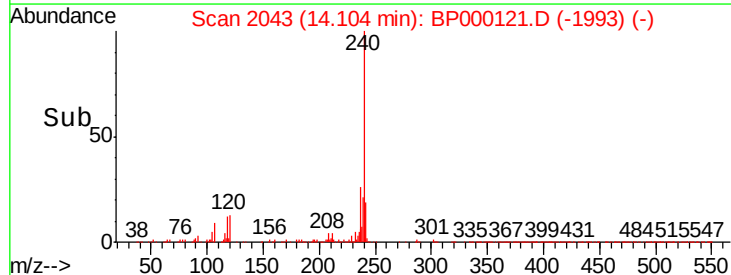
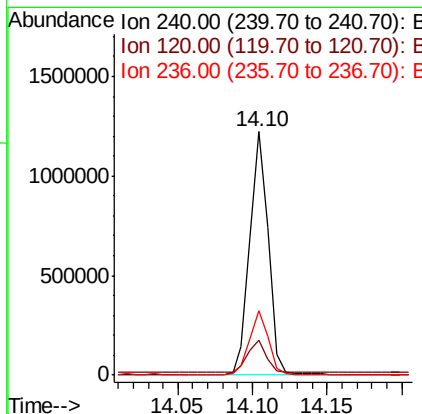
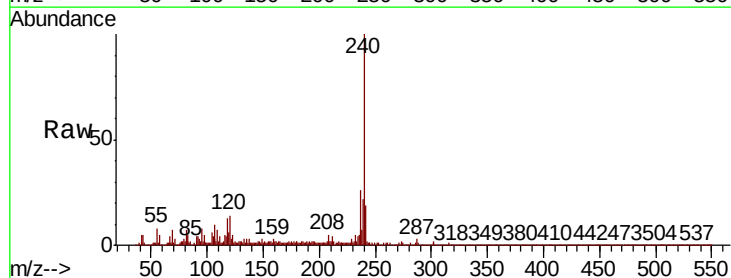
RT: 14.10 min Scan# 2043

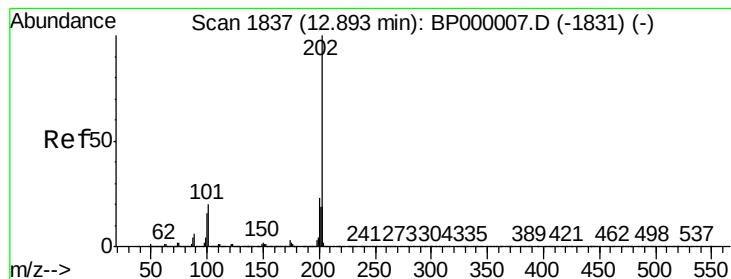
Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Tgt Ion:	240	Resp:	1031459
Ion Ratio	Lower	Upper	
240	100		
120	14.2	10.5	15.7
236	26.5	21.5	32.3





#78

Pvrene

Concen: 3.432 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Instrument :

BNA_P

ClientSampleId :

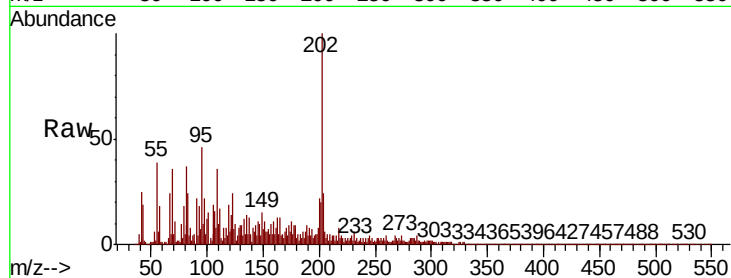
Tot Ion:202 Resp: 260398

Ion Ratio Lower Upper

202 100

200 22.2 18.5 27.7

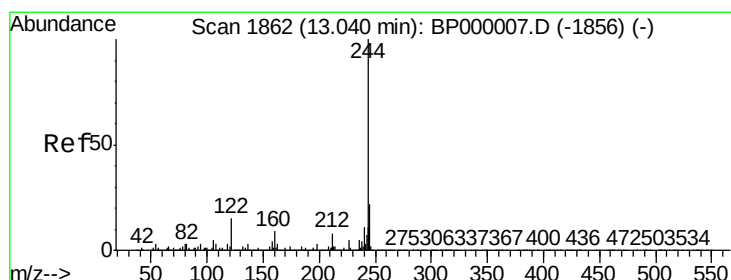
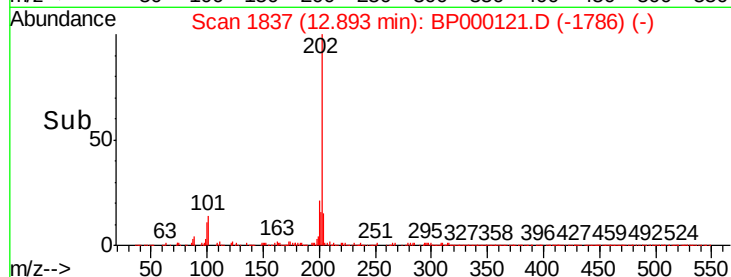
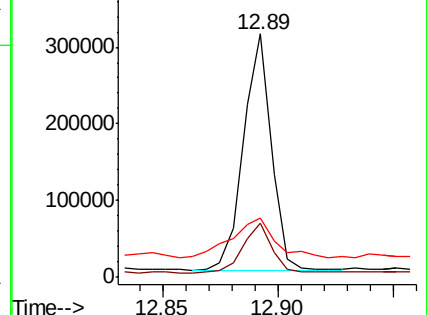
203 24.3 15.1 22.7#



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: 41.634 ng

RT: 13.04 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

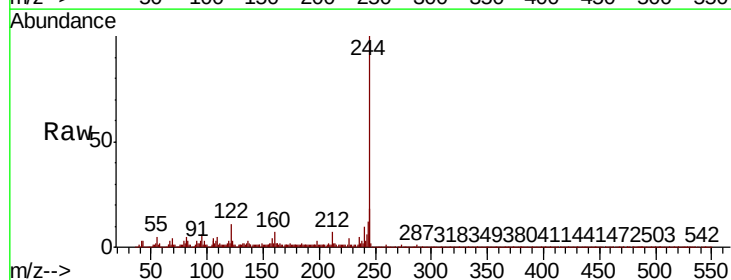
Tgt Ion:244 Resp: 1970272

Ion Ratio Lower Upper

244 100

212 7.2 6.6 10.0

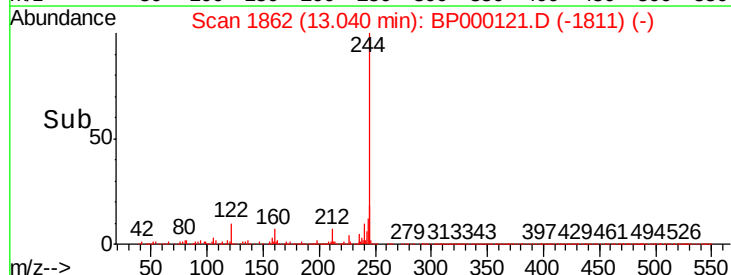
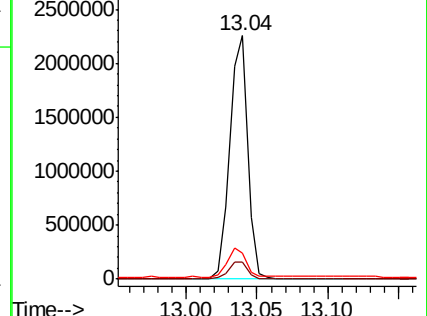
122 10.7 12.3 18.5#

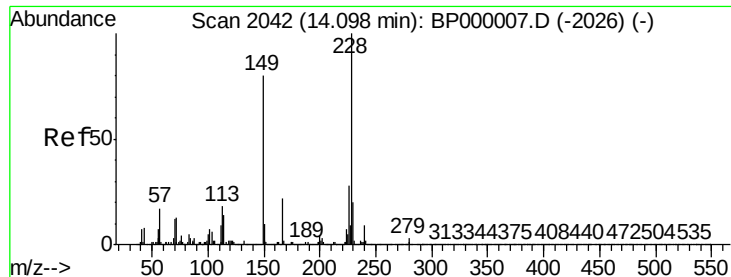


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

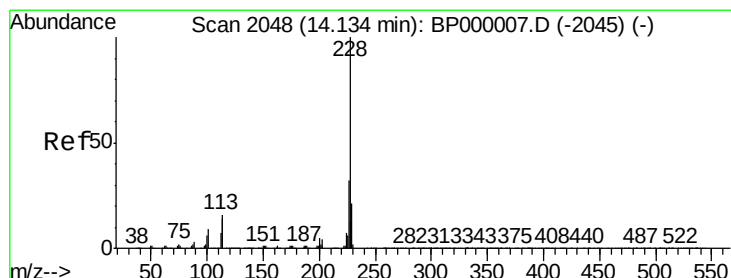
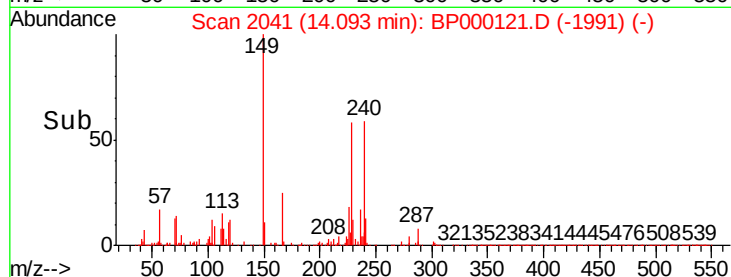
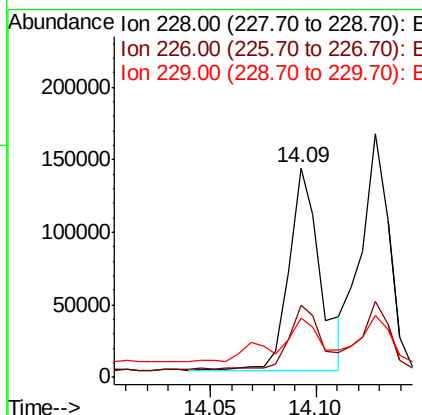
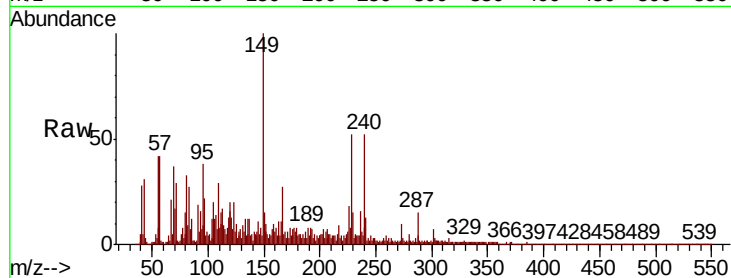




#81
Benzo(a)anthracene
Concen: 2.143 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

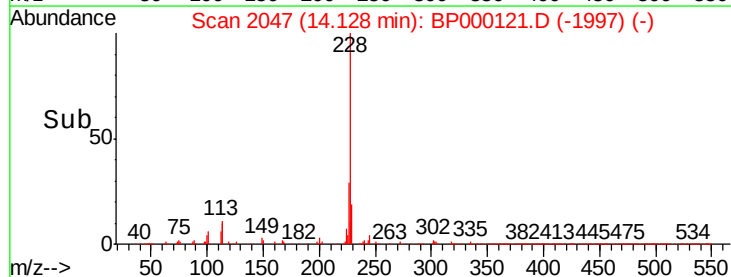
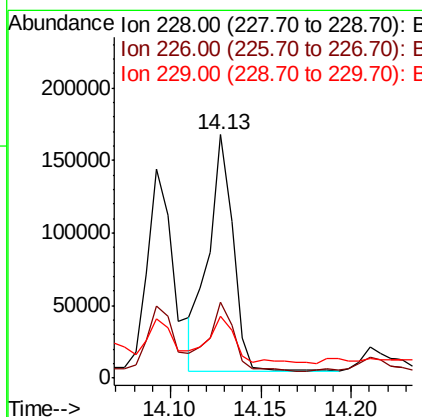
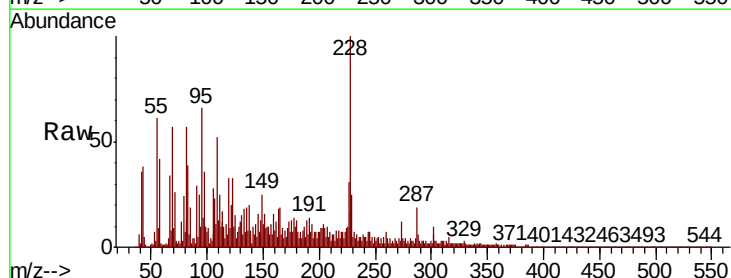
Instrument :
BNA_P
ClientSampled :

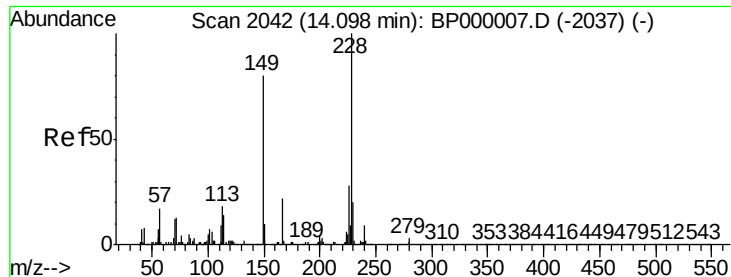
Tot Ion:228 Resp: 143262
Ion Ratio Lower Upper
228 100
226 34.4 22.5 33.7#
229 28.5 16.2 24.2#



#83
Chrysene
Concen: 2.435 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

Tgt Ion:228 Resp: 153939
Ion Ratio Lower Upper
228 100
226 31.3 25.5 38.3
229 25.2 16.5 24.7#





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.988 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Instrument :

BNA_P

ClientSampleId :

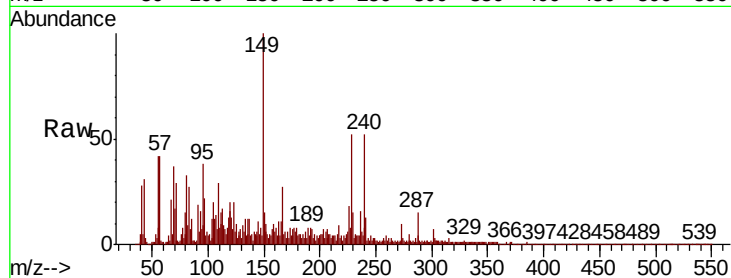
Tot Ion:149 Resp: 219467

Ion Ratio Lower Upper

149 100

167 27.2 22.4 33.6

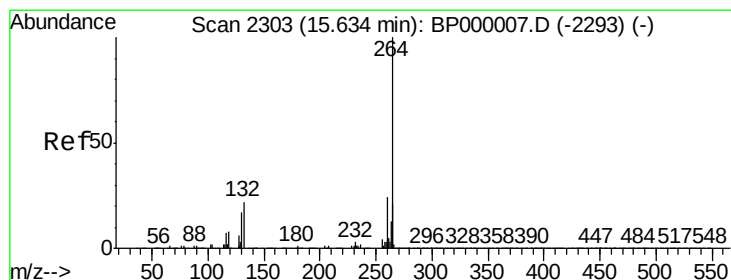
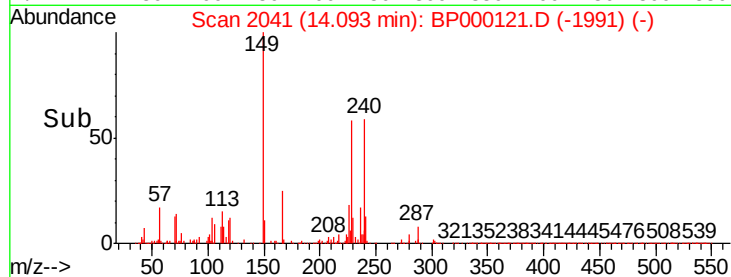
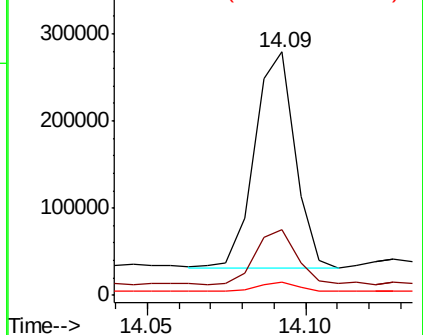
279 5.3 3.1 4.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

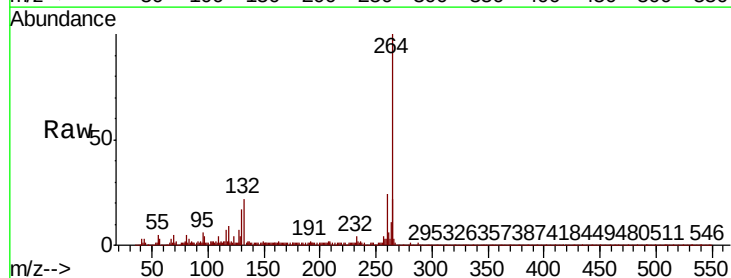
Tgt Ion:264 Resp: 1215477

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

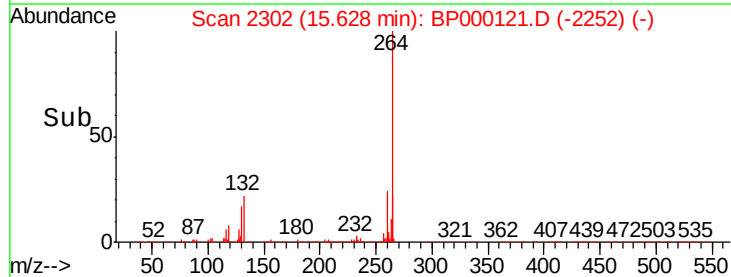
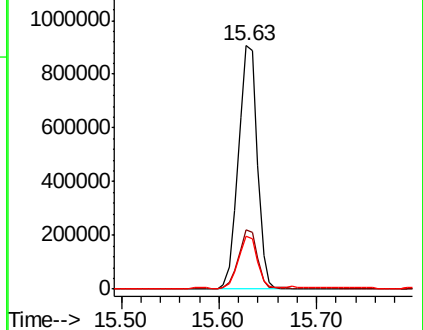
265 22.0 17.1 25.7

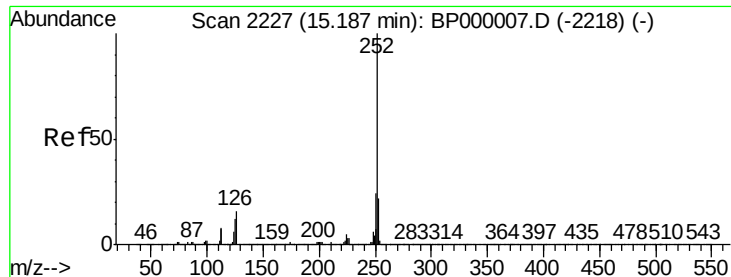


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

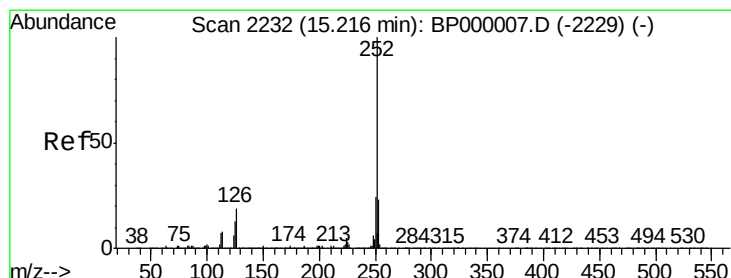
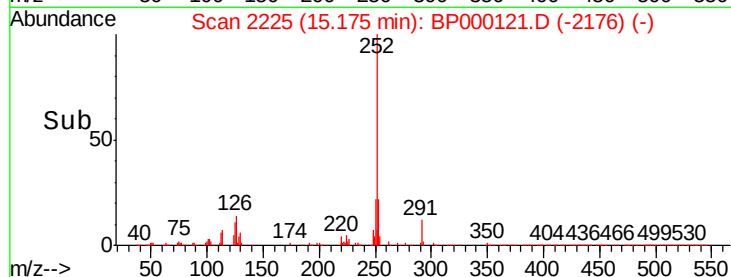
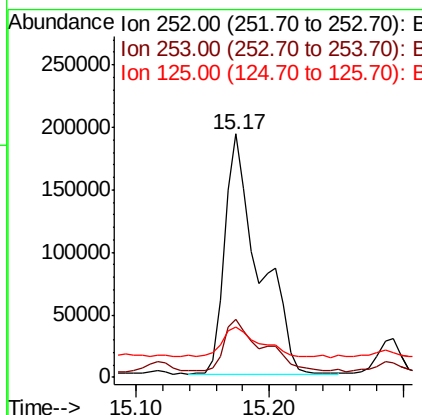
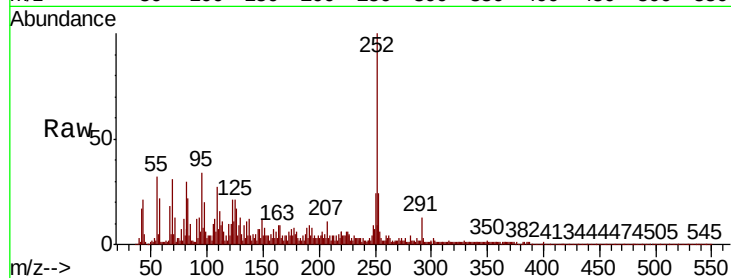




#88
Benzo(b)fluoranthene
Concen: 4.639 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

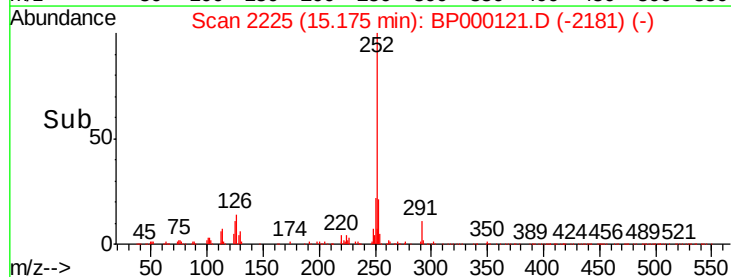
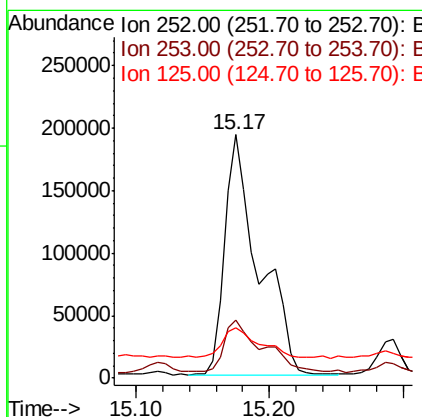
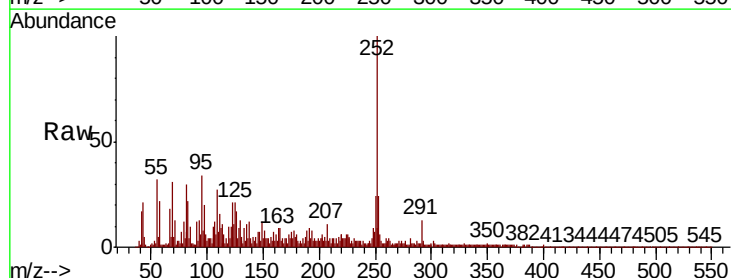
Instrument :
BNA_P
ClientSampleId :

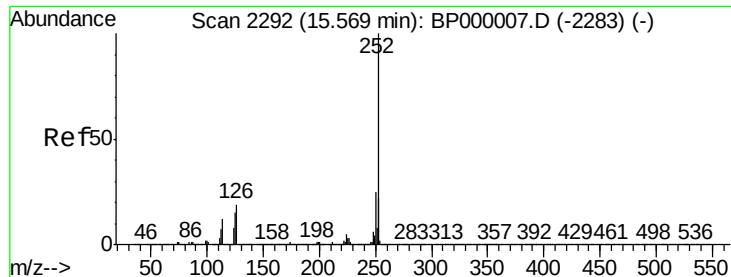
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	20.7	9.4	14.2



#89
Benzo(k)fluoranthene
Concen: 5.069 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BP000121.D
Acq: 09 Sep 2019 04:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	20.7	10.3	15.5





#90

Benzo(a)pyrene

Concen: 2.148 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.01 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

Instrument :

BNA_P

ClientSampleId :

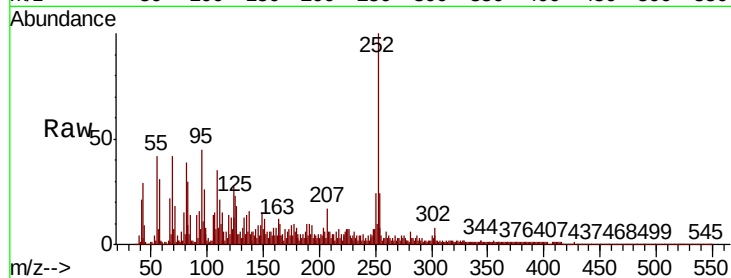
Tot Ion:252 Resp: 143960

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

125 23.5 11.7 17.5#

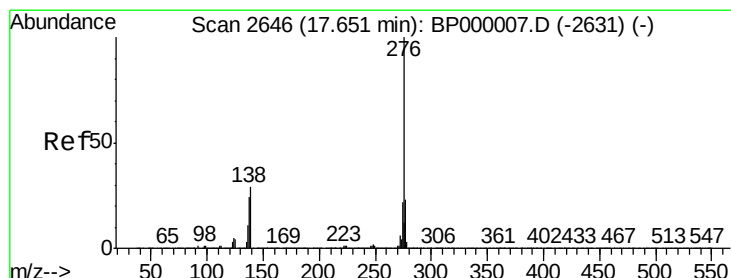
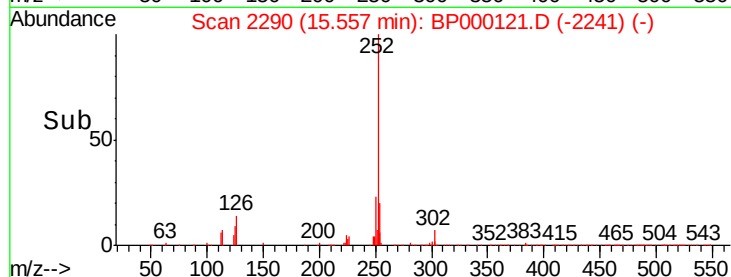
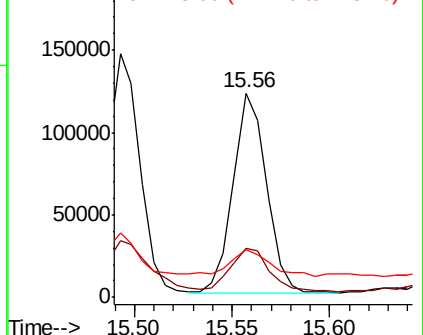


Abundance

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: 2.108 ng

RT: 17.63 min Scan# 2643

Delta R.T. -0.02 min

Lab File: BP000121.D

Acq: 09 Sep 2019 04:24

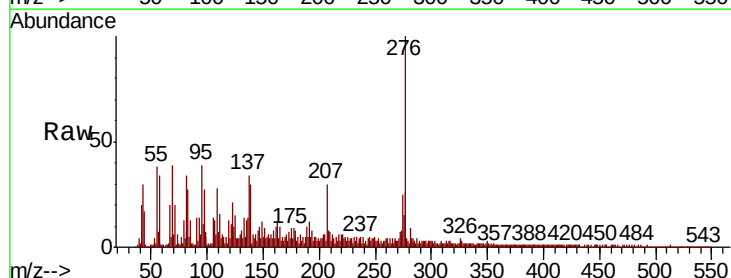
Tgt Ion:276 Resp: 139822

Ion Ratio Lower Upper

276 100

277 26.1 18.6 28.0

138 29.7 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

