

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
 Data File : BP000126.D
 Acq On : 09 Sep 2019 06:25
 Operator : HP/JU
 Sample : K4736-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 09 08:34:35 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	424534	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1576099	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	835815	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	1509674	20.00	ng	0.00
76) Chrysene-d12	14.10	240	1188497	20.00	ng	0.00
87) Perylene-d12	15.63	264	1059955	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	2392866	89.88	ng	0.00
7) Phenol-d6	6.52	99	3113852	92.65	ng	0.00
23) Nitrobenzene-d5	7.45	82	1691912	65.87	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	796348	113.04	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	3302581	65.99	ng	0.00
79) Terphenyl-d14	13.04	244	3567622	65.43	ng	0.00

Target Compounds

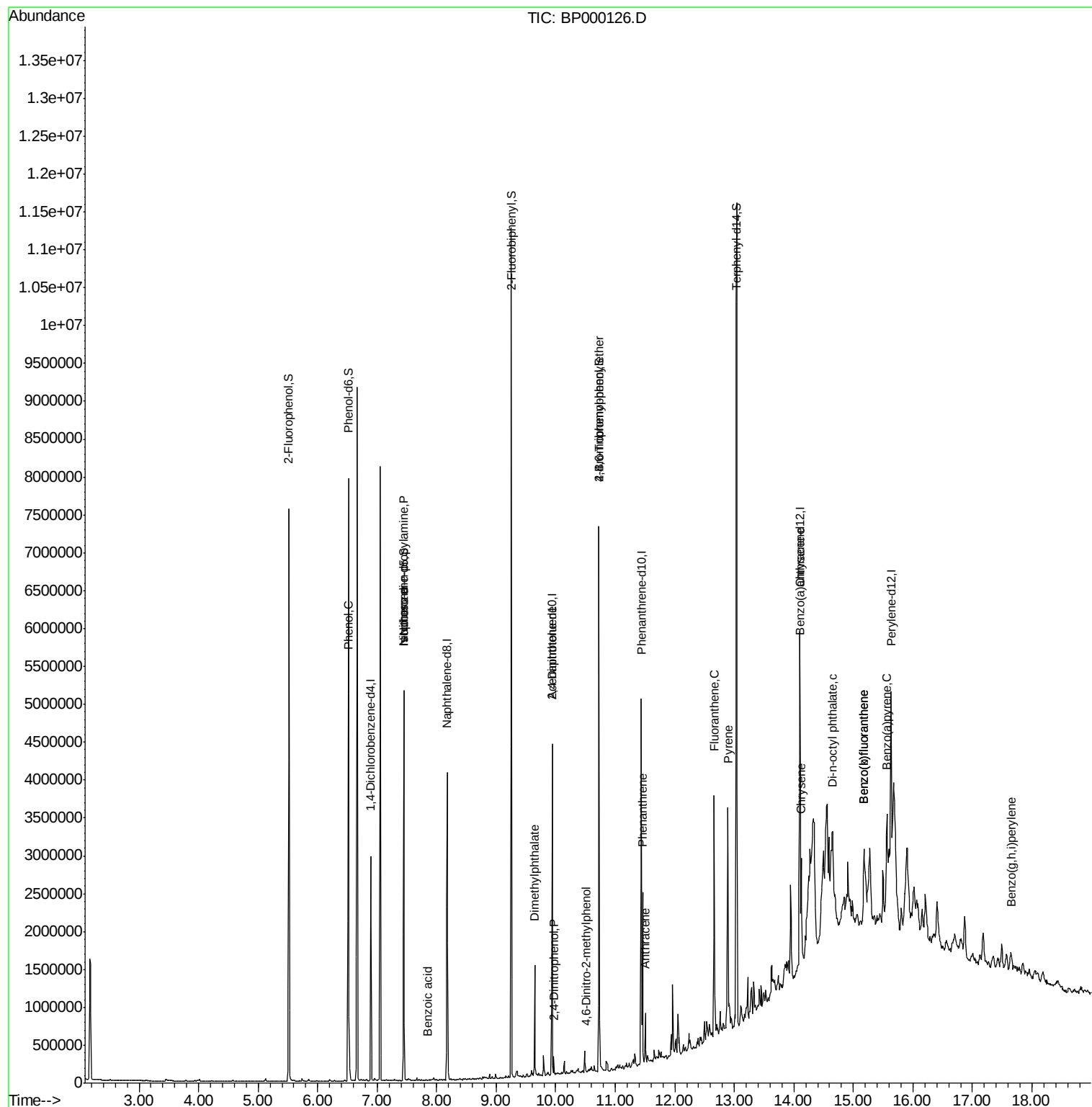
						Qvalue
10) Phenol	6.53	94	121652	3.258	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	208192	10.884	ng	# 76
25) Isophorone	7.45	82	1690994	31.157	ng	# 66
32) Benzoic acid	7.84	122	1828	8.166	ng	84
50) Dimethylphthalate	9.65	163	502293	8.819	ng	99
54) 2,4-Dinitrophenol	9.98	184	74	8.663	ng	# 1
57) 2,4-Dinitrotoluene	9.94	165	111997	7.256	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.51	198	162	7.748	ng	# 1
67) 4-Bromophenyl-phenylether	10.73	248	58381	3.805	ng	# 1
69) Atrazine	11.13	200	424	Below Cal		# 33
71) Phenanthrene	11.46	178	739248	9.825	ng	97
72) Anthracene	11.51	178	236608	3.183	ng	96
75) Fluoranthene	12.66	202	1164870	14.246	ng	96
78) Pyrene	12.89	202	1135469	12.987	ng	97
81) Benzo(a)anthracene	14.09	228	563134	7.312	ng	93
83) Chrysene	14.13	228	483460	6.637	ng	96
85) Di-n-octyl phthalate	14.64	149	197567	2.211	ng	# 80
88) Benzo(b)fluoranthene	15.17	252	735357	11.358	ng	# 93
89) Benzo(k)fluoranthene	15.17	252	735357	12.412	ng	# 94
90) Benzo(a)pyrene	15.56	252	405264	6.934	ng	97
92) Benzo(a,h,i)perylene	17.65	276	199463	3.448	ng	# 94

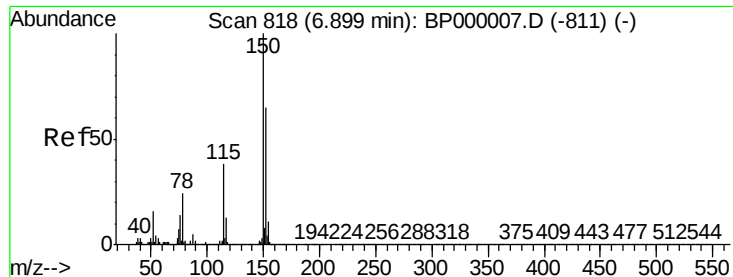
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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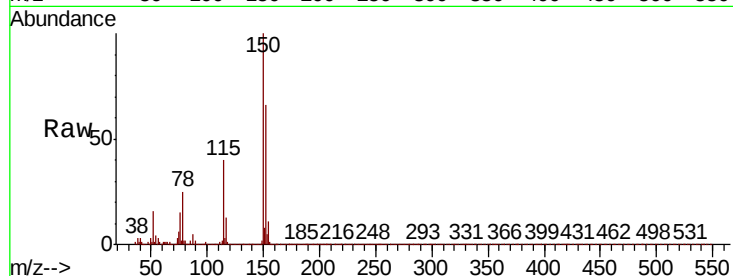


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.0	184.6
115	61.1	46.7	70.1

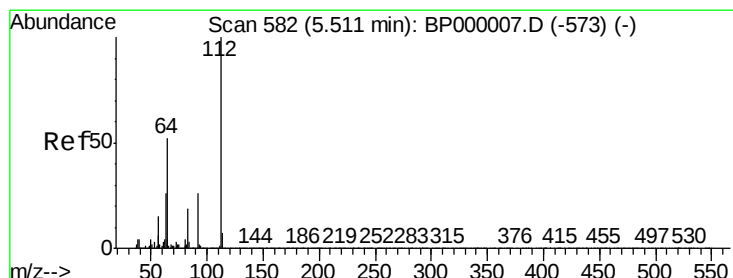
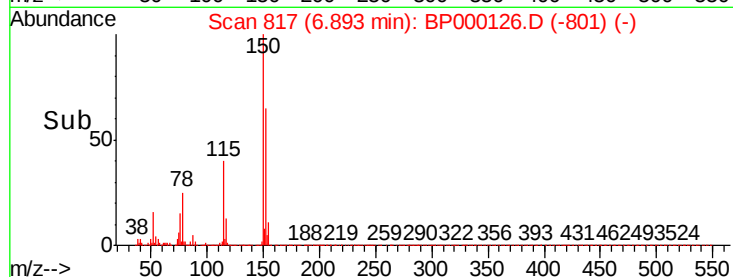
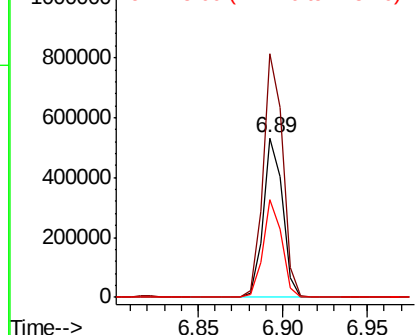


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

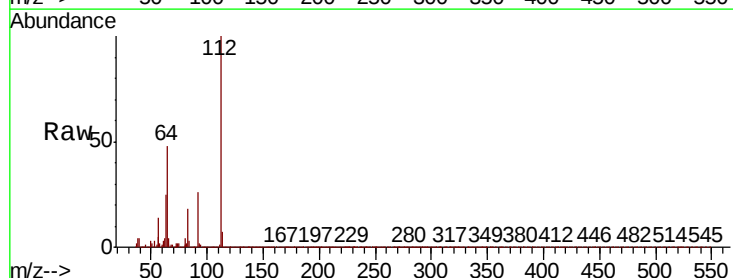
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.880 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.3	41.8	62.8
63	25.2	21.0	31.4

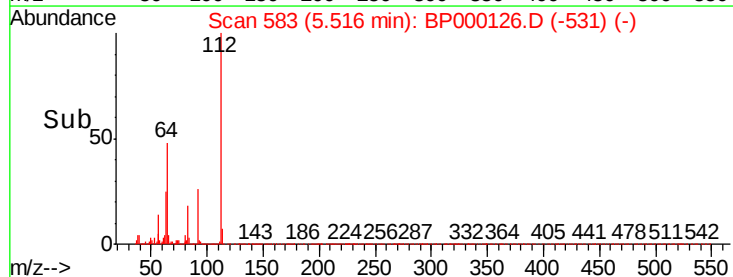
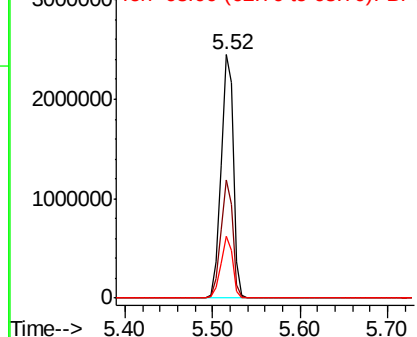


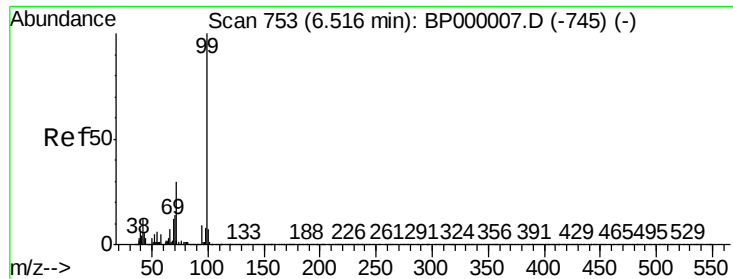
Abundance

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: 92.649 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

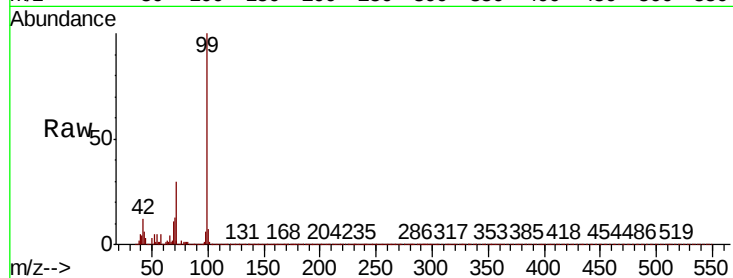
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 3113852

Ion	Ratio	Lower	Upper
99	100		
42	11.6	9.8	14.8
71	30.1	23.8	35.8

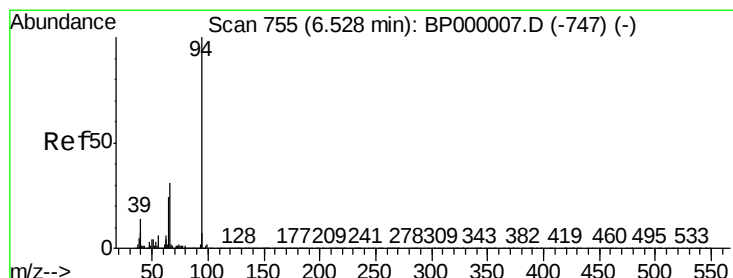
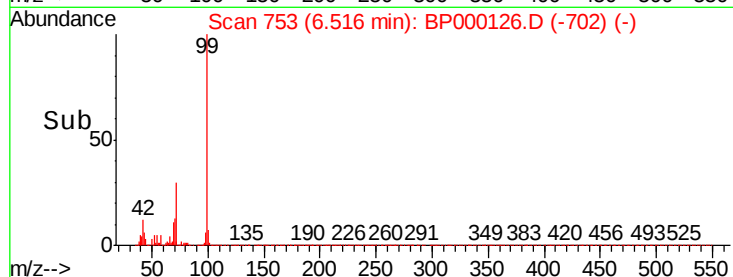
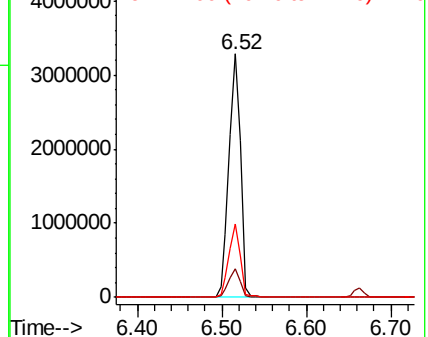


Abundance

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



#10

Phenol

Concen: 3.258 ng

RT: 6.53 min Scan# 755

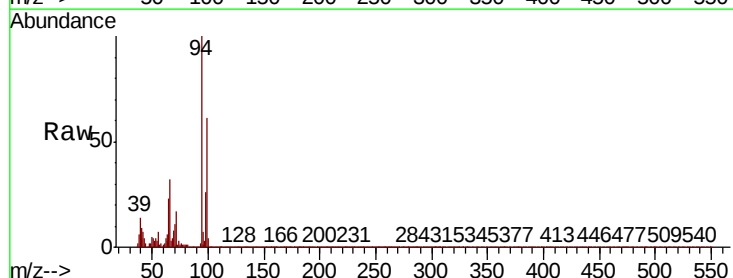
Delta R.T. -0.00 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

Tgt Ion: 94 Resp: 121652

Ion	Ratio	Lower	Upper
94	100		
65	22.9	4.1	44.1
66	32.2	11.4	51.4

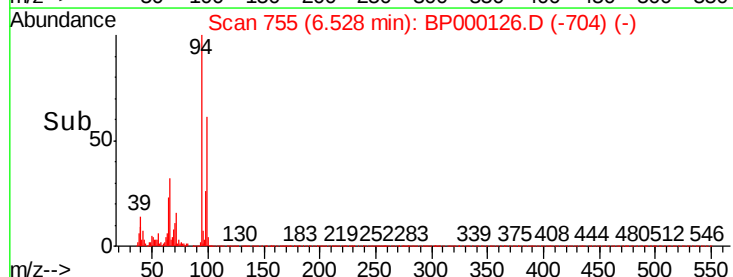
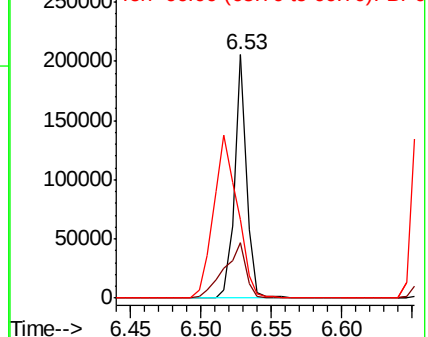


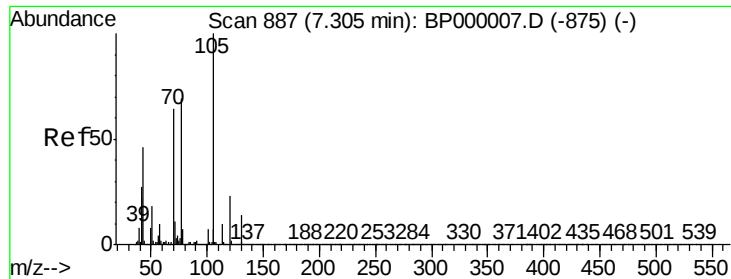
Abundance

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

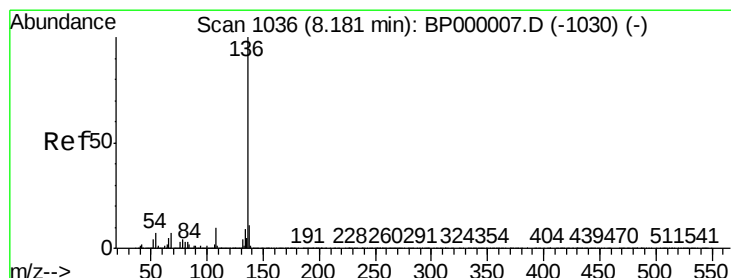
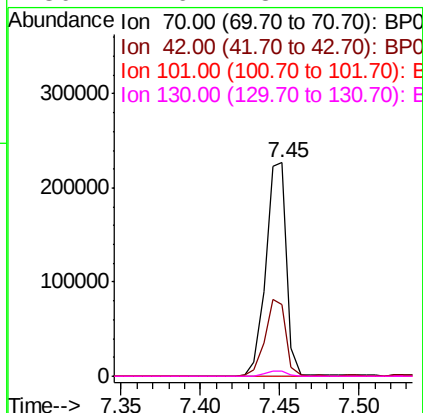
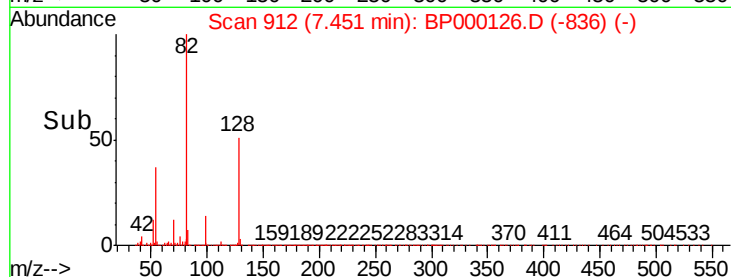
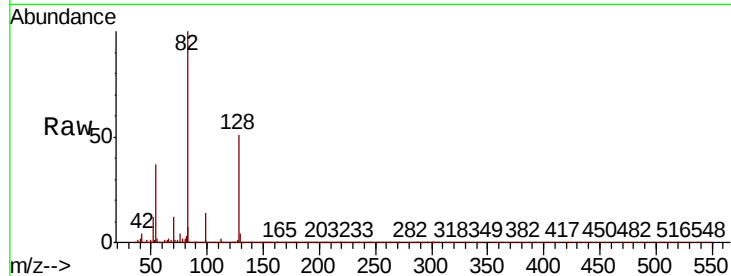




#19
n-Nitroso-di-n-propylamine
Concen: 10.884 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.15 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

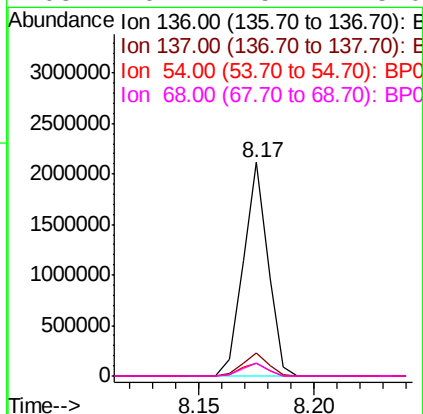
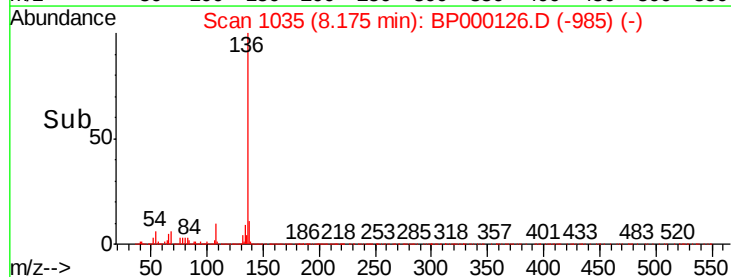
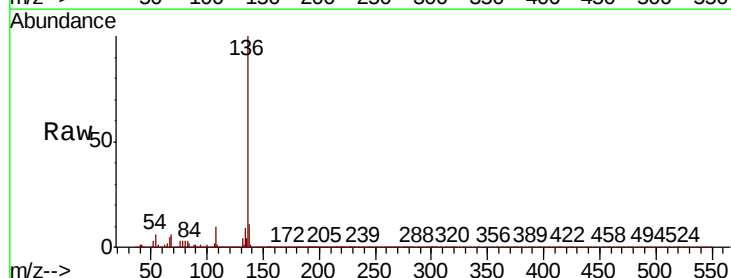
Instrument :
BNA_P
ClientSampleId :

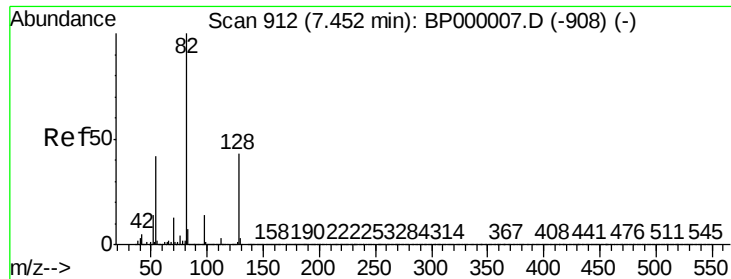
Tot Ion: 70 Resp: 208192
Ion Ratio Lower Upper
70 100
42 33.7 33.8 50.6#
101 0.1 8.7 13.1#
130 2.6 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Tgt Ion:136 Resp: 1576099
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 5.9 5.4 8.2
68 6.1 5.4 8.0

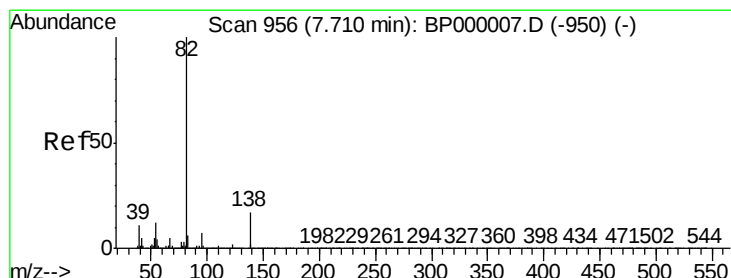
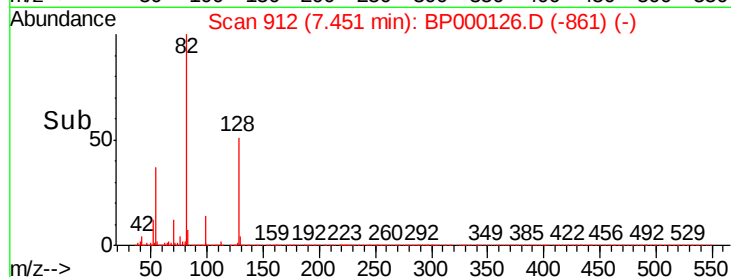
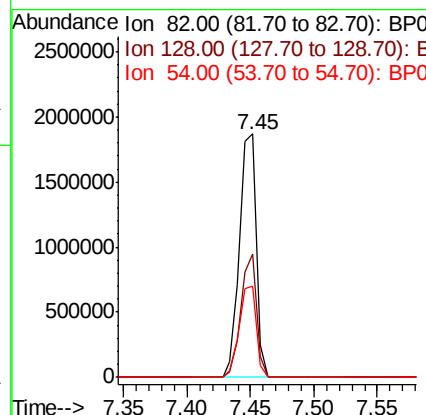
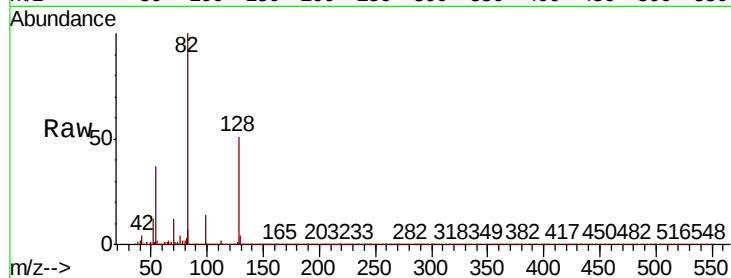




#23
Nitrobenzene-d5
Concen: 65.869 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.00 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

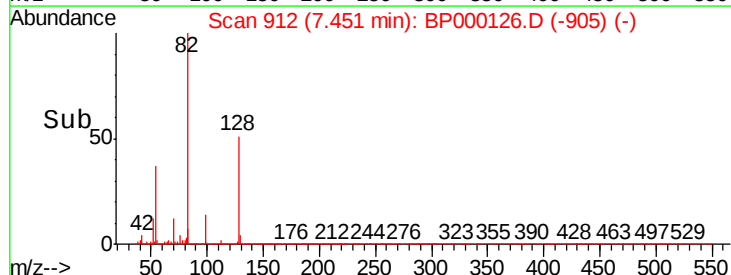
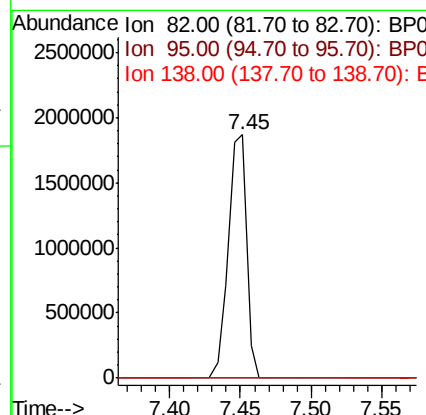
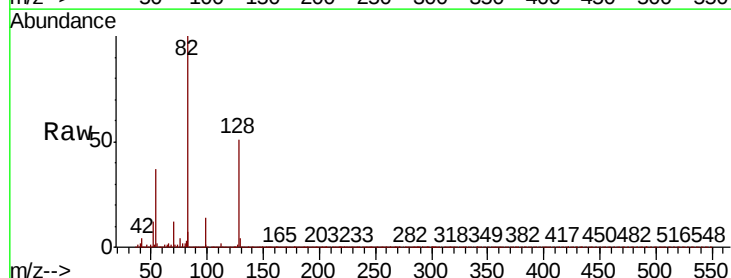
Instrument :
BNA_P
ClientSampleId :

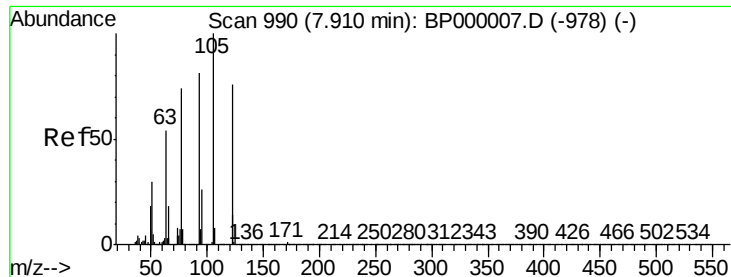
Tot Ion: 82 Resp: 1691912
Ion Ratio Lower Upper
82 100
128 50.7 34.5 51.7
54 37.3 33.2 49.8



#25
Isophorone
Concen: 31.157 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.26 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Tgt Ion: 82 Resp: 1690994
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 13.8 20.6#

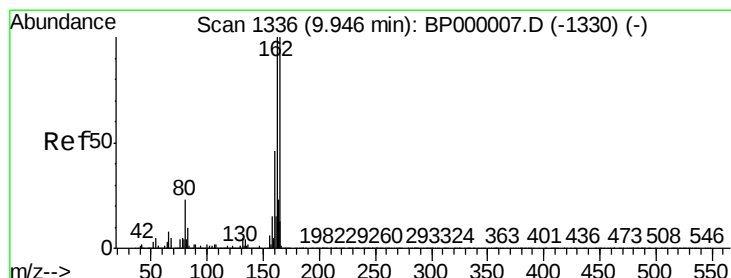
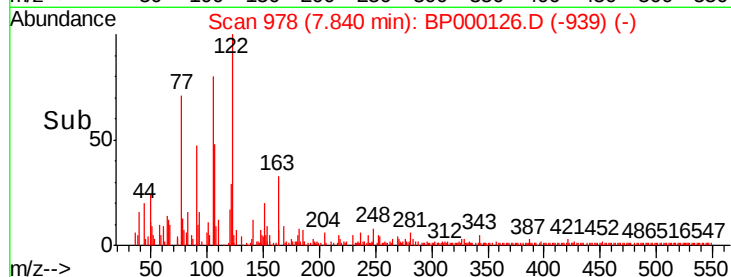
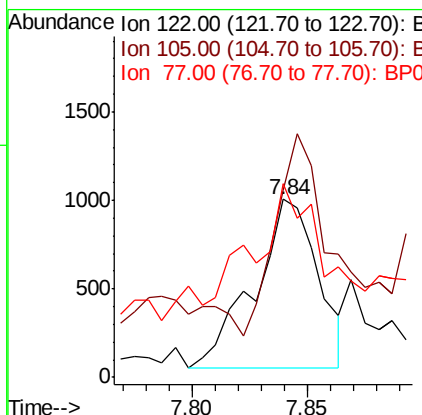
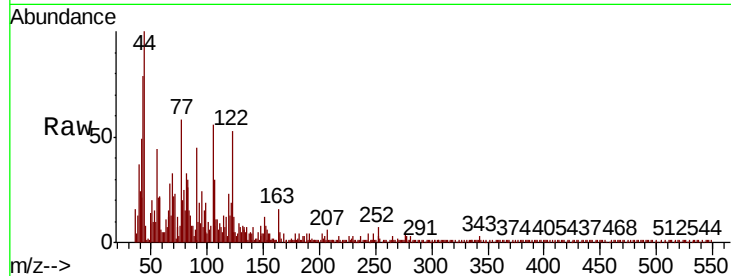




#32
Benzoic acid
Concen: 8.166 ng
RT: 7.84 min Scan# 978
Delta R.T. -0.07 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

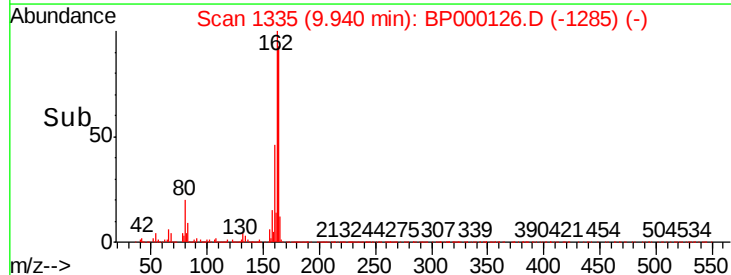
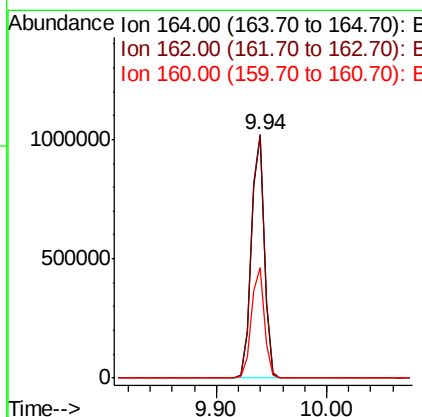
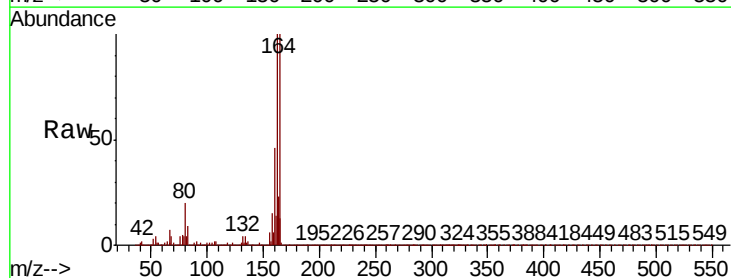
Instrument :
BNA_P
ClientSampleId :

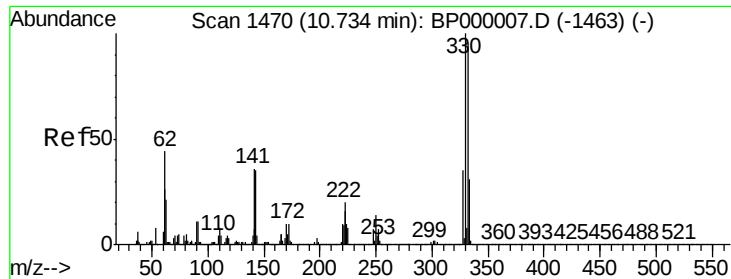
Tot Ion	Ratio	Lower	Upper
122	100		
105	105.2	104.6	144.6
77	108.9	74.1	114.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.4
160	45.8	36.6	55.0

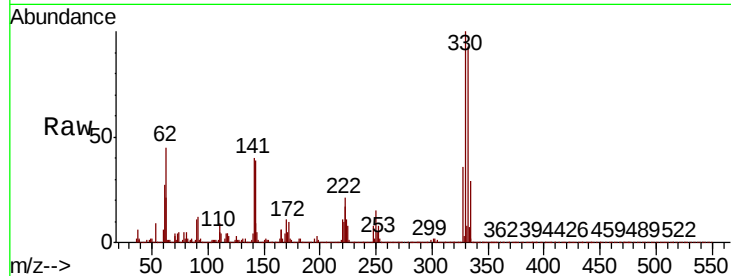




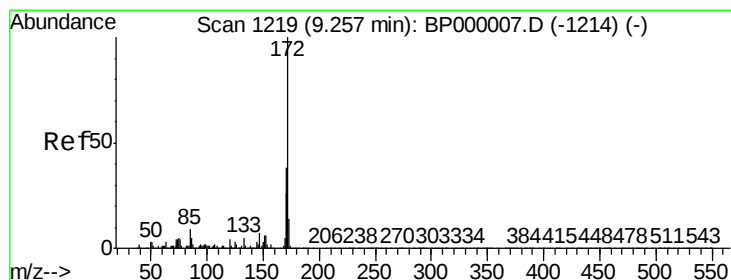
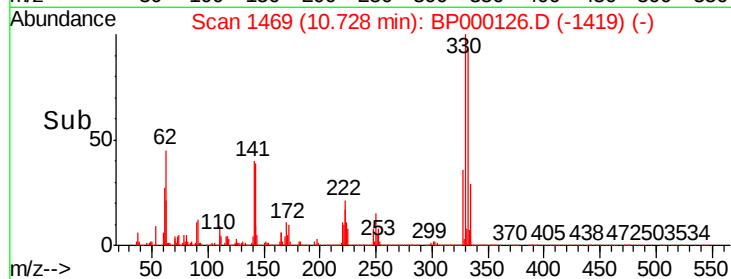
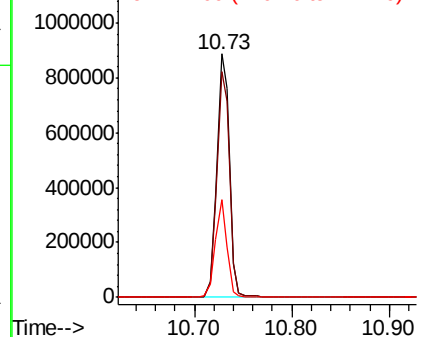
#42
 2,4,6-Tribromophenol
 Concen: 113.036 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BP000126.D
 Acq: 09 Sep 2019 06:25

Instrument :
 BNA_P
 ClientSampled :

Tot Ion:330 Resp: 796348
 Ion Ratio Lower Upper
 330 100
 332 93.8 76.8 115.2
 141 37.3 33.6 50.4

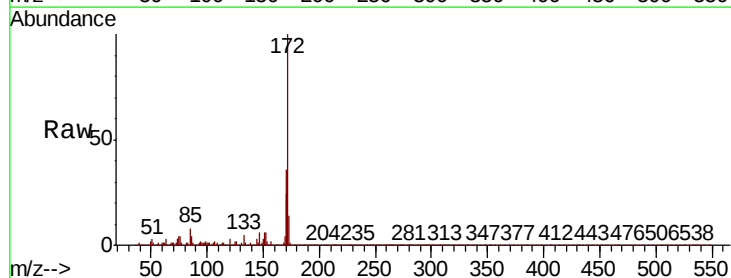


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

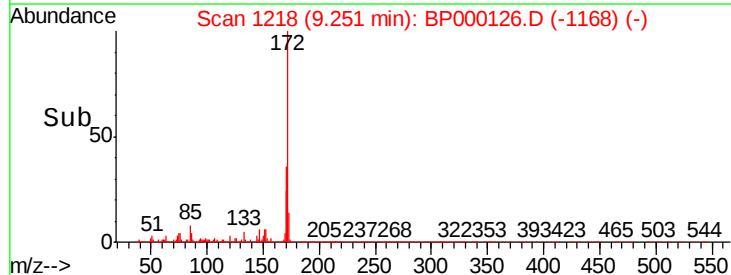
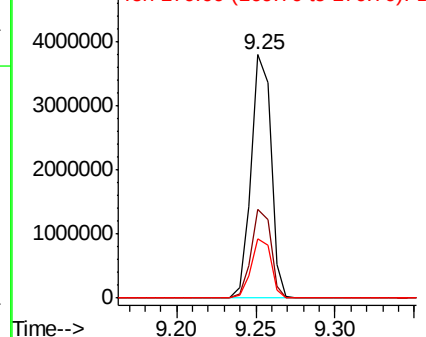


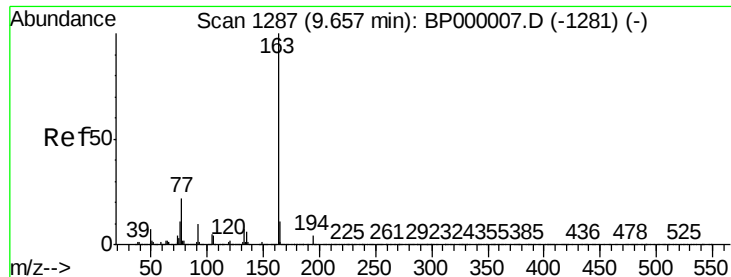
#45
 2-Fluorobiphenyl
 Concen: 65.987 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BP000126.D
 Acq: 09 Sep 2019 06:25

Tgt Ion:172 Resp: 3302581
 Ion Ratio Lower Upper
 172 100
 171 36.3 30.7 46.1
 170 24.3 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: 8.819 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

Instrument :

BNA_P

ClientSampleId :

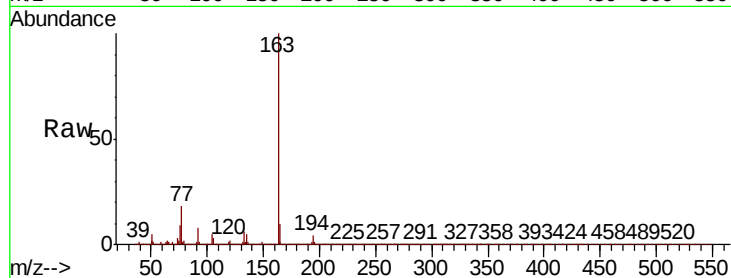
Tot Ion:163 Resp: 502293

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

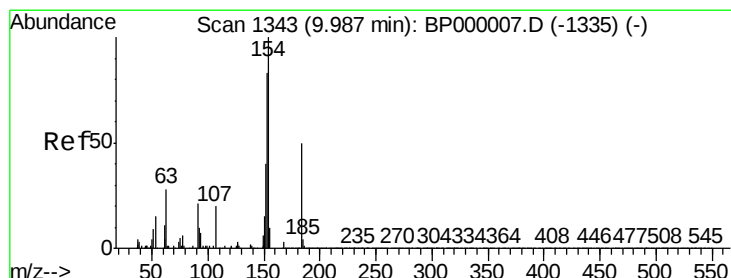
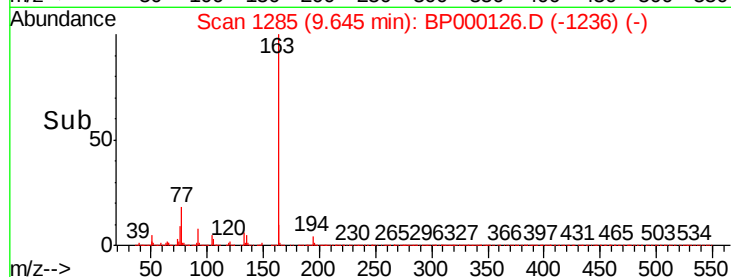
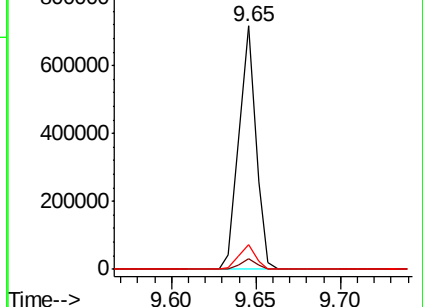
164 10.0 8.4 12.6



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



#54

2,4-Dinitrophenol

Concen: 8.663 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

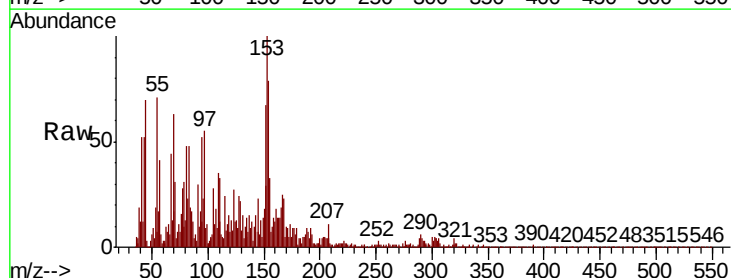
Tgt Ion:184 Resp: 74

Ion Ratio Lower Upper

184 100

63 655.1 46.0 69.0#

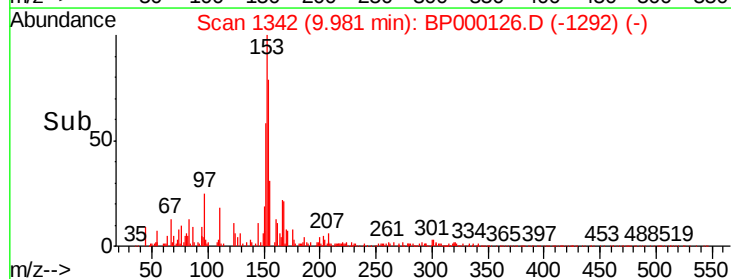
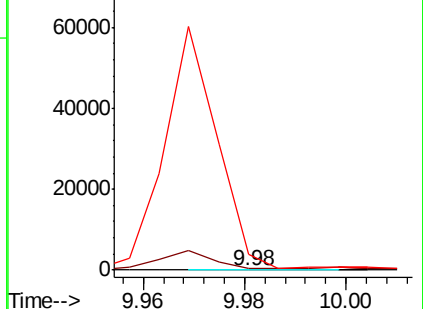
154 5183.3 161.9 242.9#

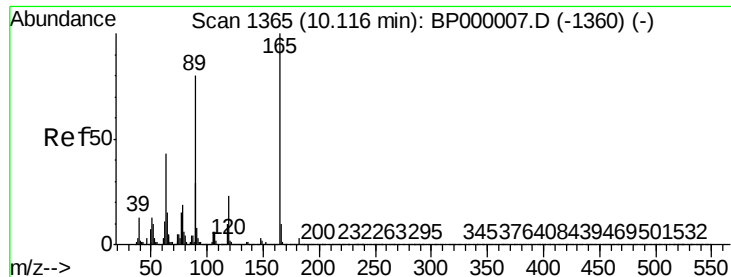


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

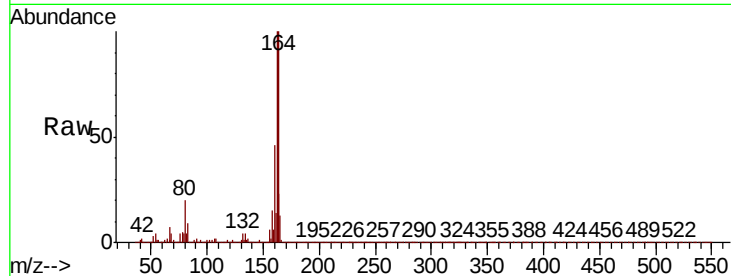




#57
2,4-Dinitrotoluene
Concen: 7.256 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.18 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.4	51.6#
89	1.2	64.3	96.5#
182	0.1	2.2	3.4#

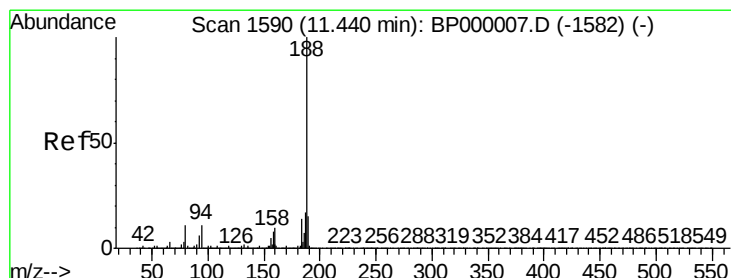
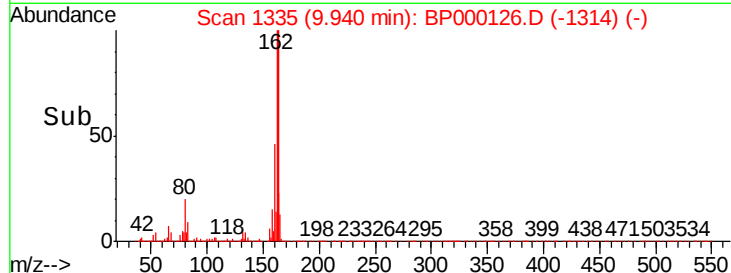
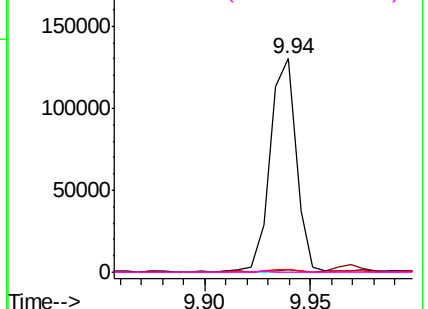


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

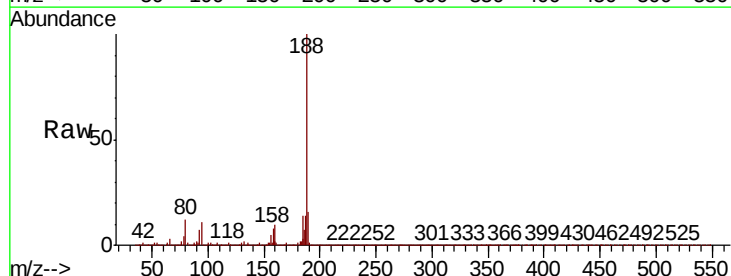
Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

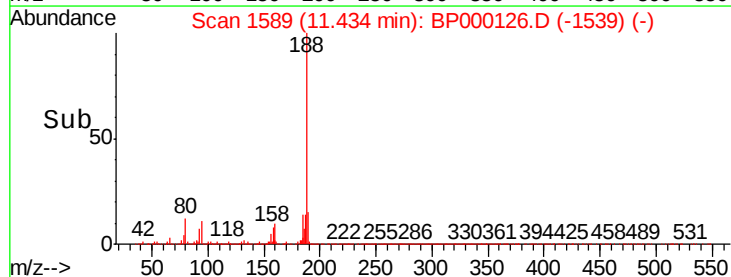
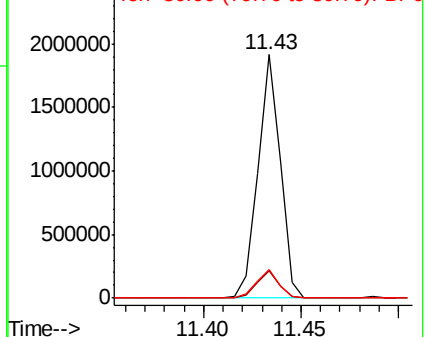
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.8	13.2
80	11.6	9.0	13.6

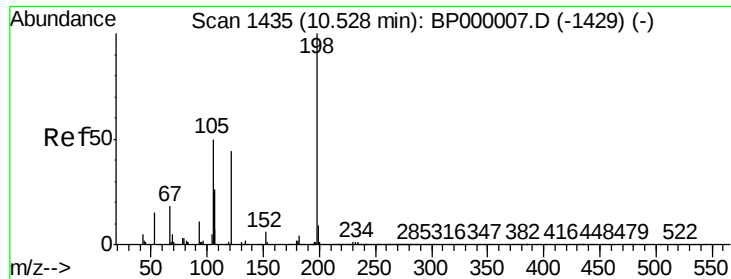


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

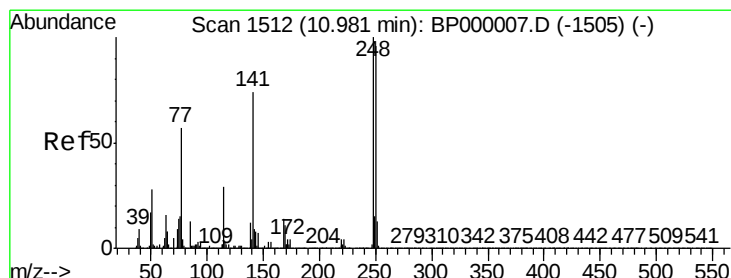
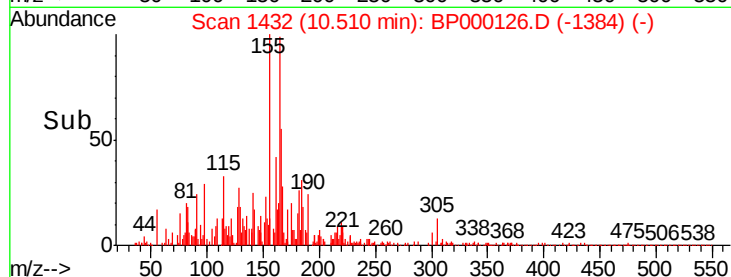
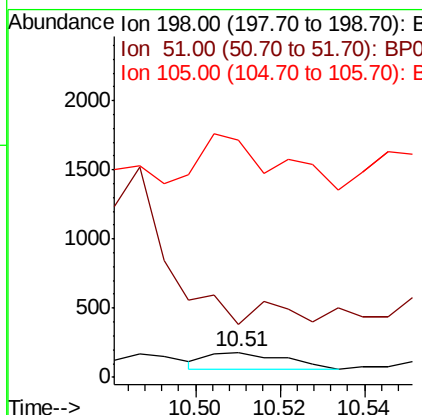
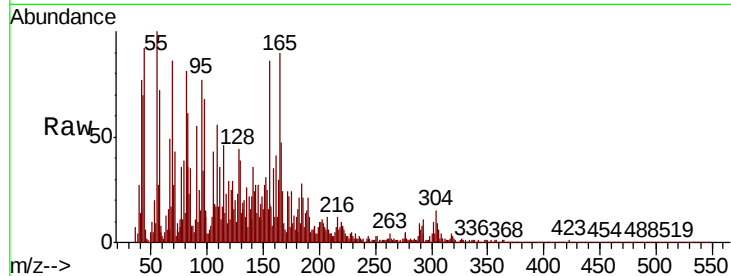




#65
4,6-Dinitro-2-methylphenol
Concen: 7.748 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

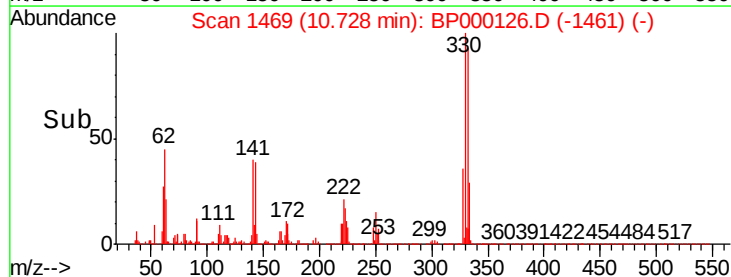
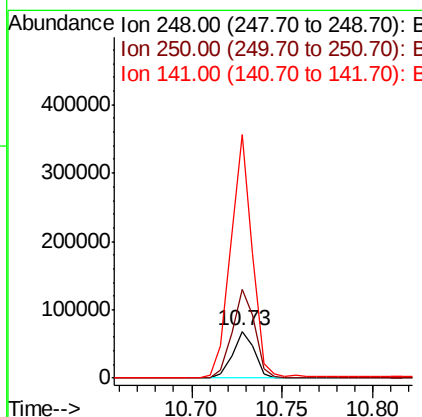
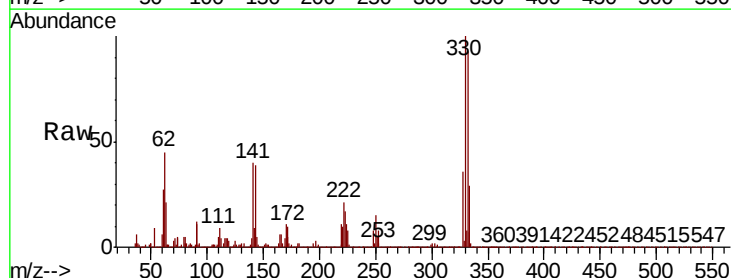
Instrument :
BNA_P
ClientSampleId :

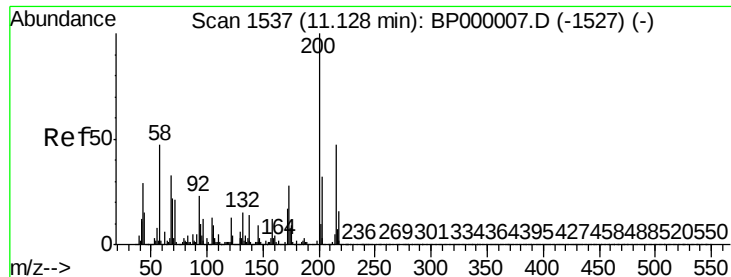
Tot Ion:198 Resp: 162
Ion Ratio Lower Upper
198 100
51 212.2 22.1 62.1#
105 953.3 32.0 72.0#



#67
4-Bromophenyl-phenylether
Concen: 3.805 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.25 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Tgt Ion:248 Resp: 58381
Ion Ratio Lower Upper
248 100
250 190.2 77.1 115.7#
141 519.2 59.5 89.3#





#69

Atrazine

Concen: Below Cal

RT: 11.13 min Scan# 1537

Delta R.T. 0.00 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

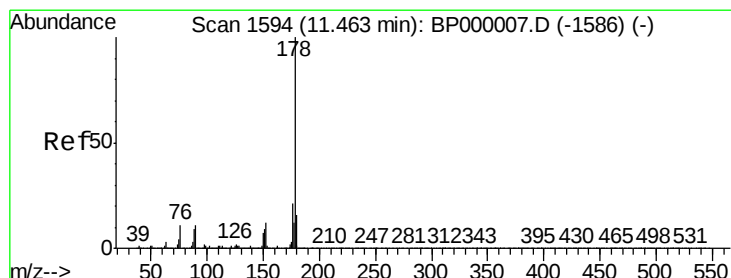
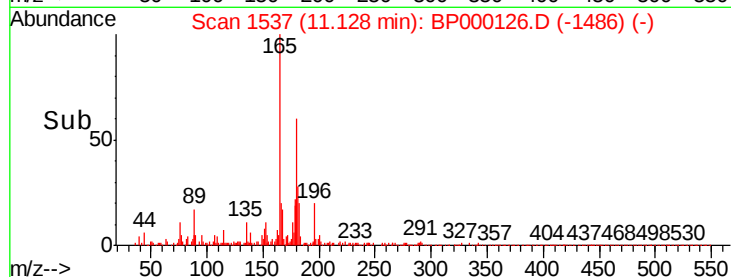
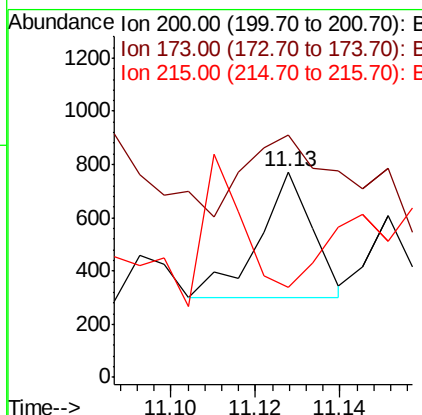
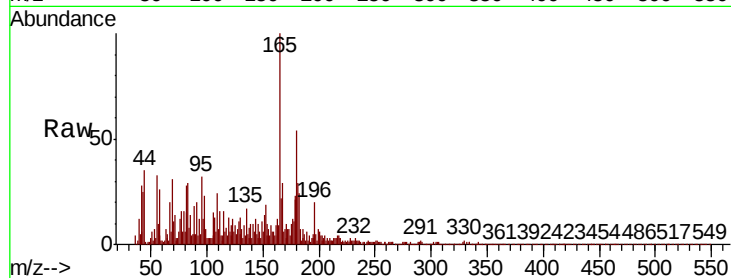
Instrument :

BNA_P

ClientSampleId :

Tot Ion:200 Resp: 424

Ion	Ratio	Lower	Upper
200	100		
173	118.1	8.1	48.1#
215	44.1	26.7	66.7



#71

Phenanthrene

Concen: 9.825 ng

RT: 11.46 min Scan# 1593

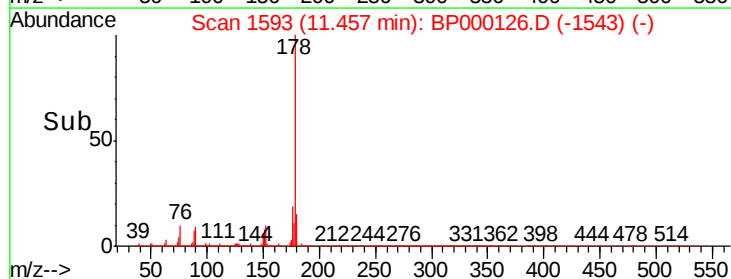
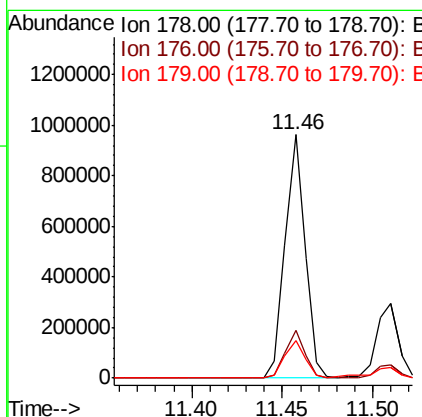
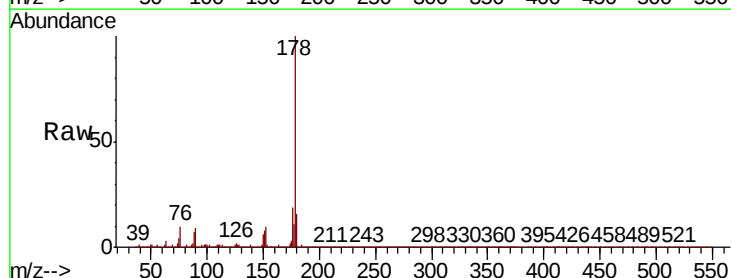
Delta R.T. -0.01 min

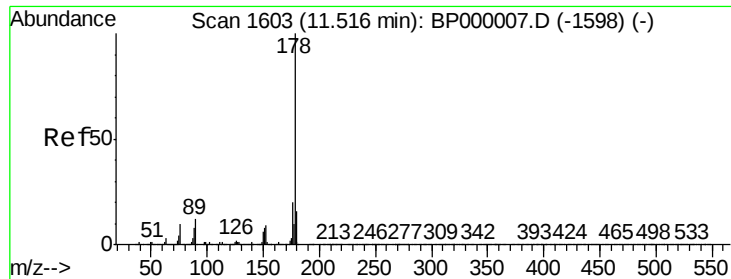
Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

Tgt Ion:178 Resp: 739248

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.7	25.1
179	15.5	13.1	19.7





#72

Anthracene

Concen: 3.183 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.01 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

Instrument :

BNA_P

ClientSampleId :

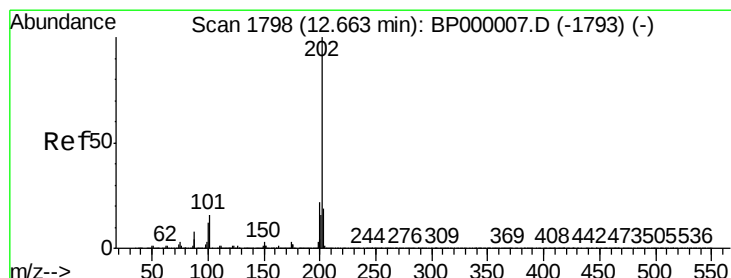
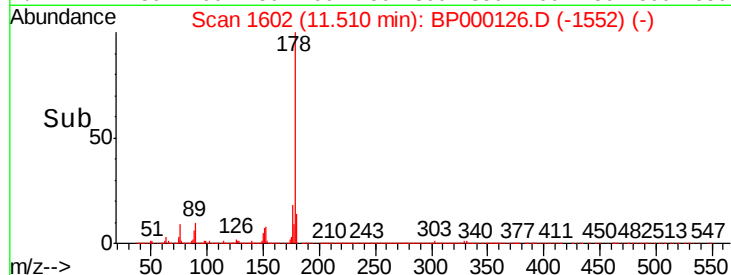
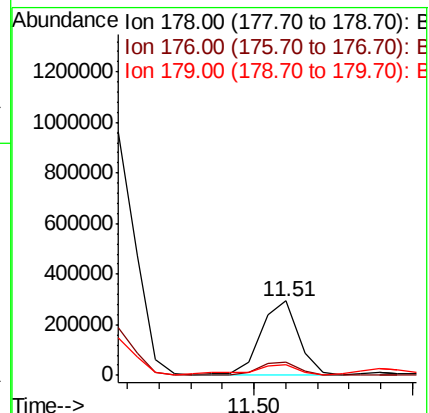
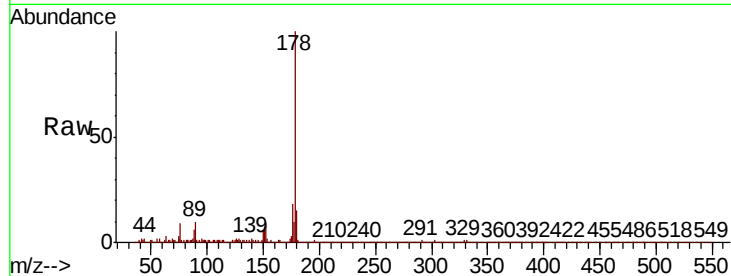
Tot Ion:178 Resp: 236608

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

179 14.5 13.0 19.6



#75

Fluoranthene

Concen: 14.246 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

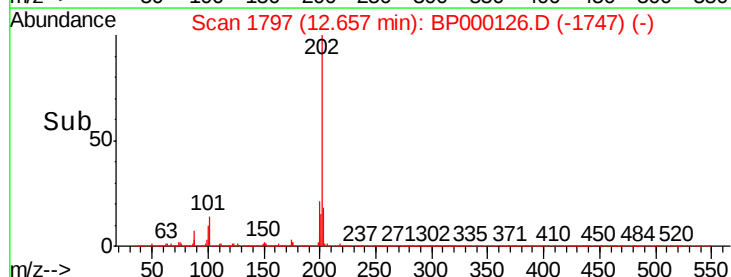
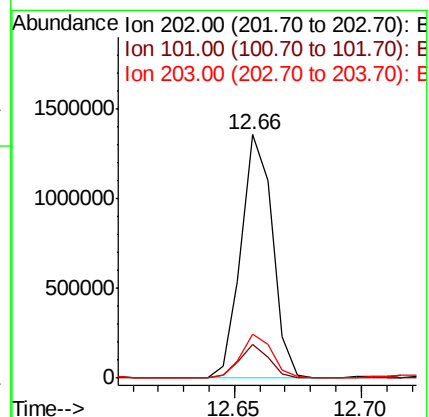
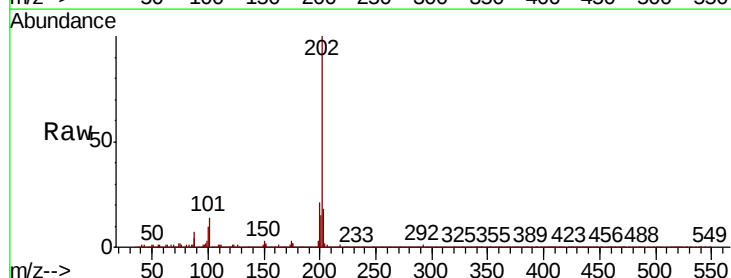
Tgt Ion:202 Resp: 1164870

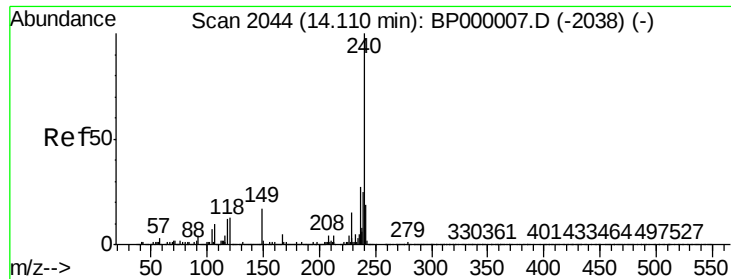
Ion Ratio Lower Upper

202 100

101 13.8 0.0 36.4

203 17.9 0.0 38.7

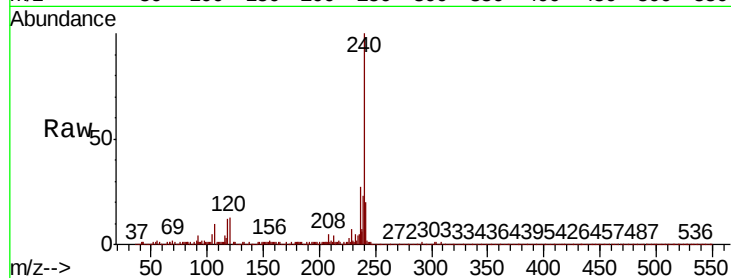




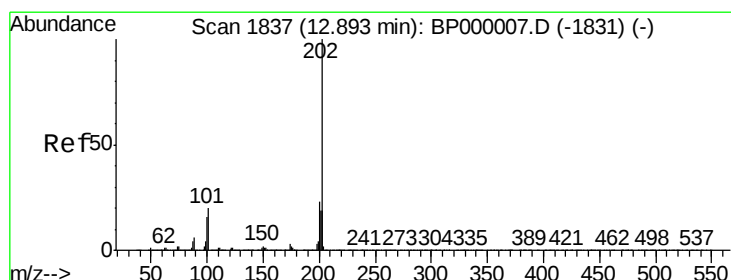
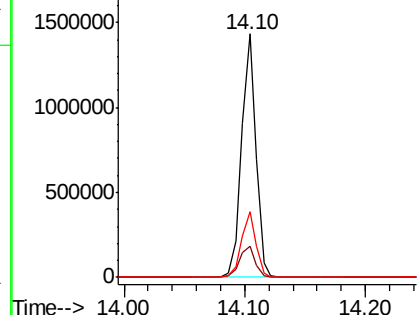
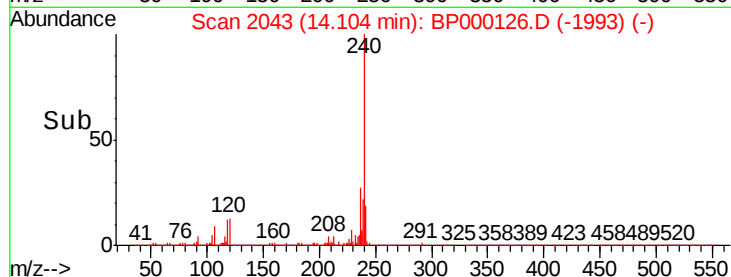
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 1188497
Ion Ratio Lower Upper
240 100
120 12.8 10.5 15.7
236 27.2 21.5 32.3

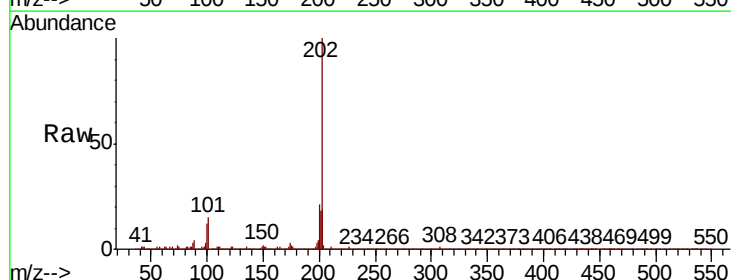


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

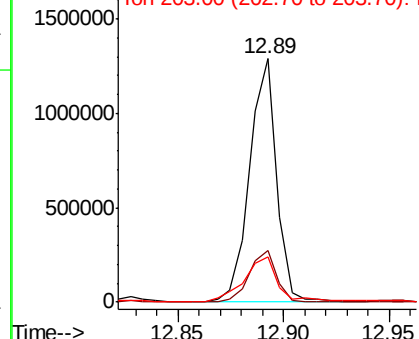
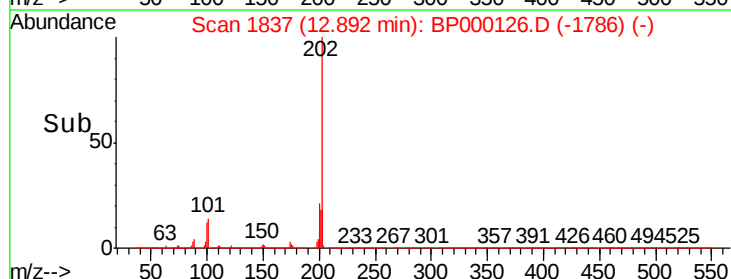


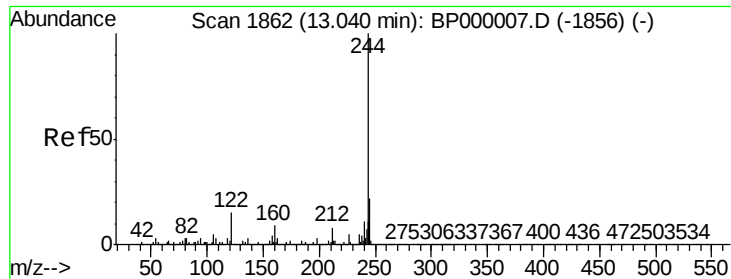
#78
Pyrene
Concen: 12.987 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Tgt Ion:202 Resp: 1135469
Ion Ratio Lower Upper
202 100
200 21.1 18.5 27.7
203 18.6 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: 65.427 ng

RT: 13.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

Instrument :

BNA_P

ClientSampled :

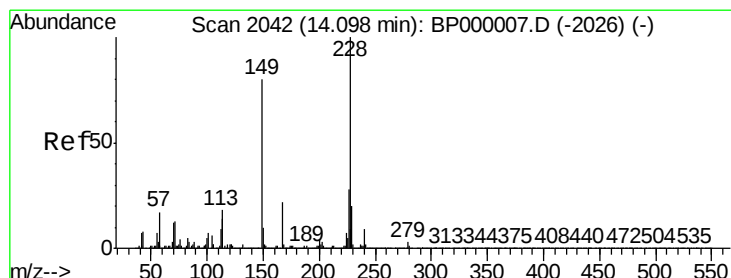
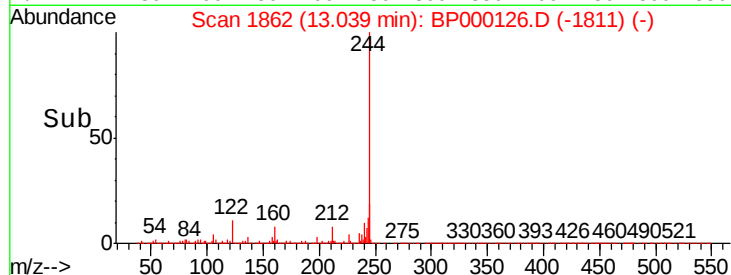
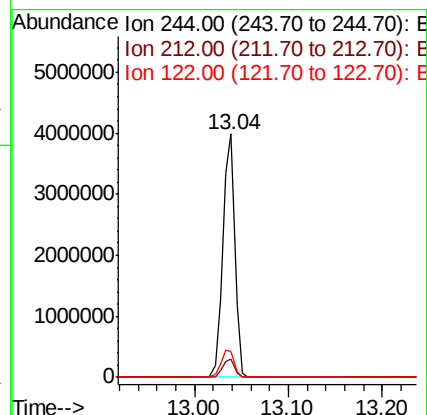
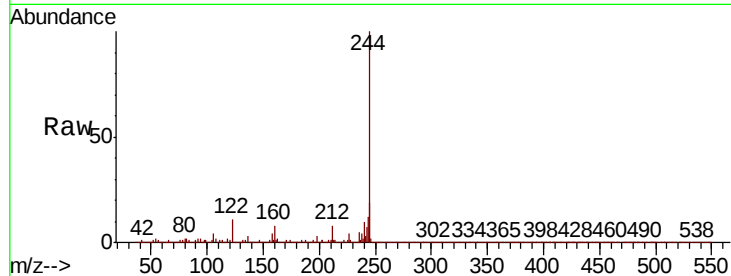
Tot Ion:244 Resp: 3567622

Ion Ratio Lower Upper

244 100

212 7.8 6.6 10.0

122 10.8 12.3 18.5#



#81

Benzo(a)anthracene

Concen: 7.312 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

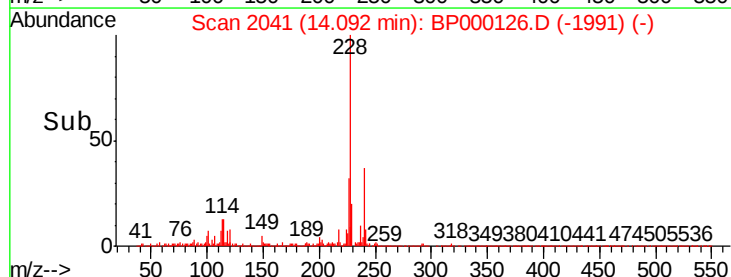
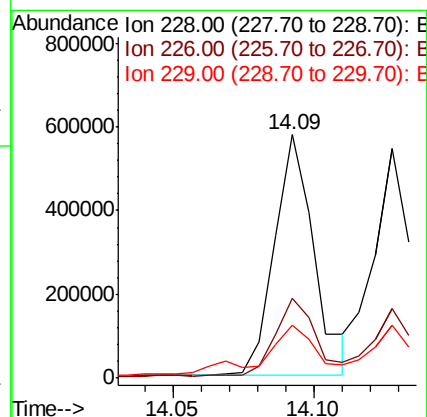
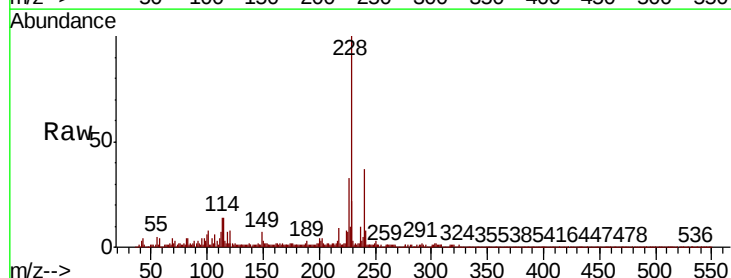
Tgt Ion:228 Resp: 563134

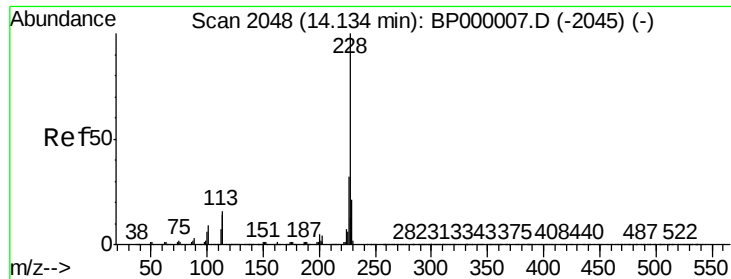
Ion Ratio Lower Upper

228 100

226 33.0 22.5 33.7

229 21.8 16.2 24.2

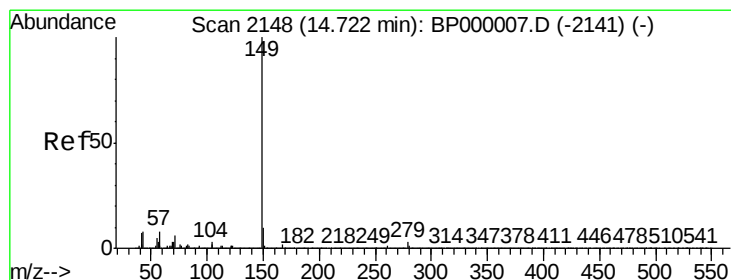
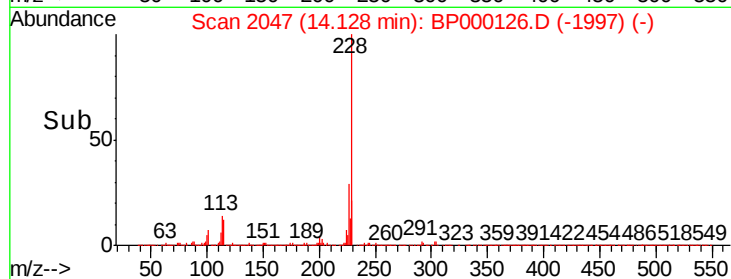
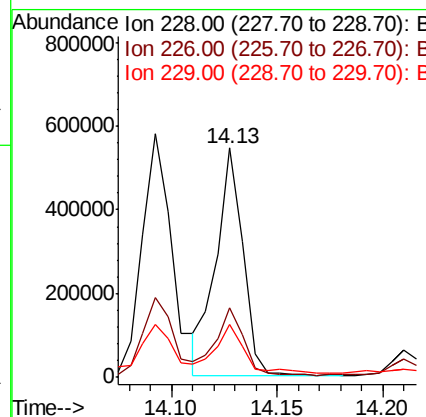
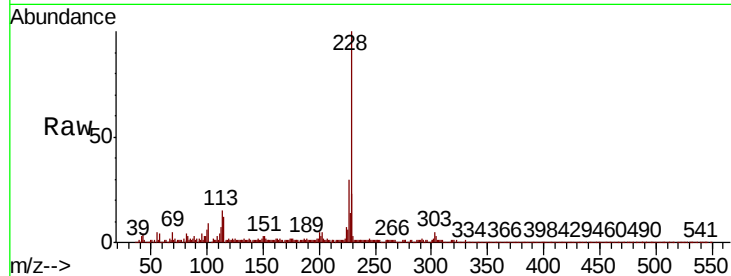




#83
Chrysene
Concen: 6.637 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

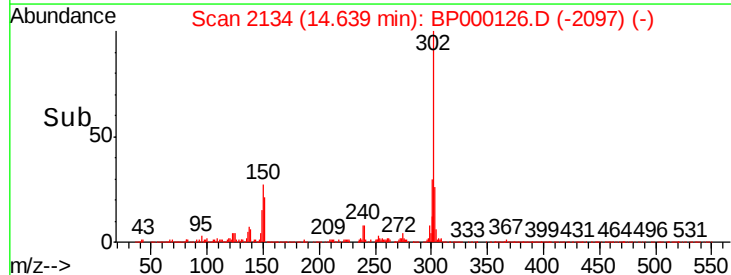
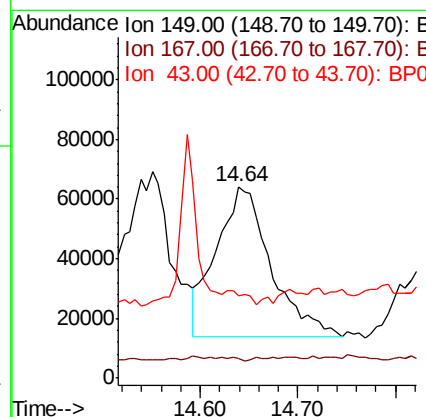
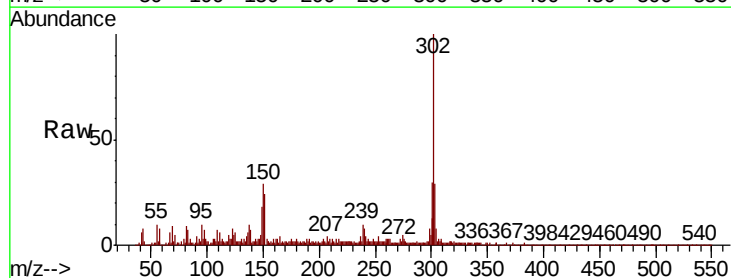
Instrument :
BNA_P
ClientSampleId :

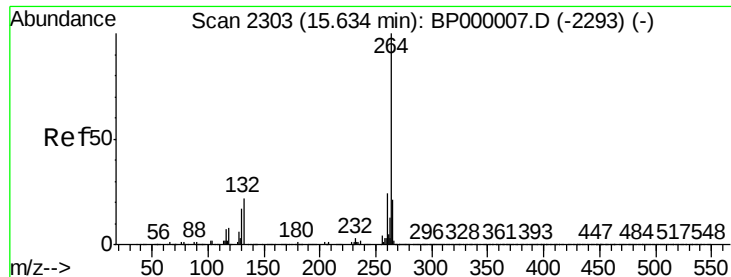
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.5	38.3
229	22.9	16.5	24.7



#85
Di-n-octyl phthalate
Concen: 2.211 ng
RT: 14.64 min Scan# 2134
Delta R.T. -0.08 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.7	1.3	1.9#
43	0.0	6.5	9.7#



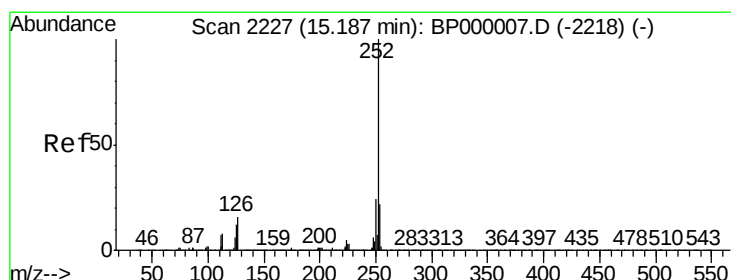
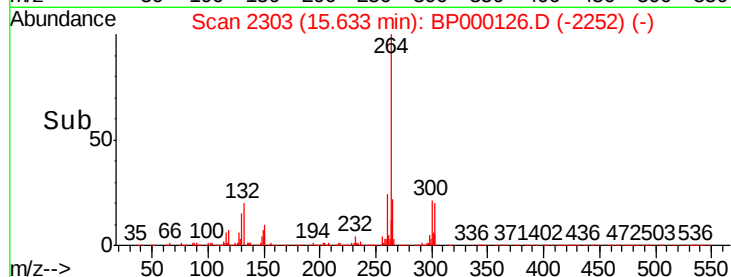
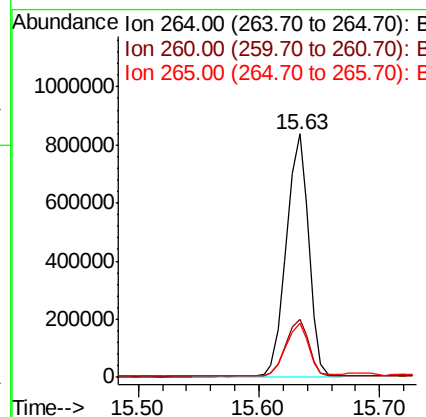
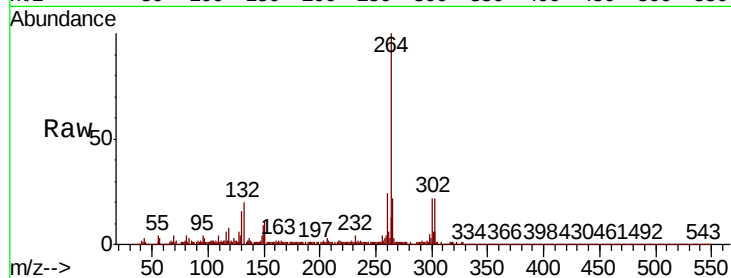


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 1059955

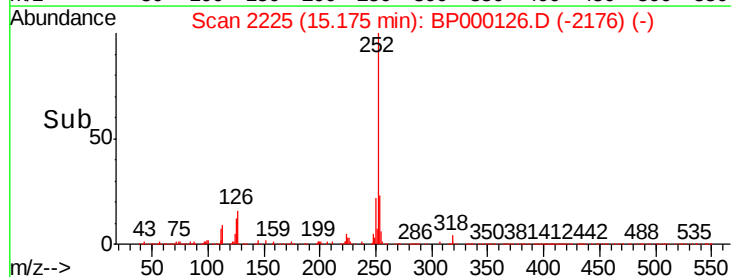
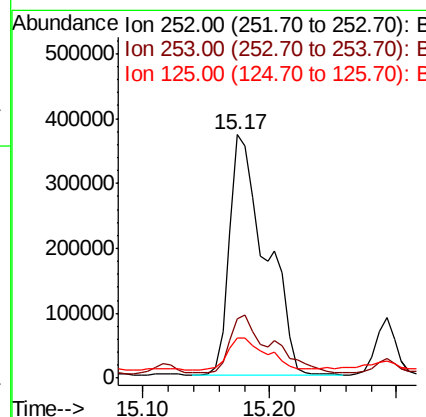
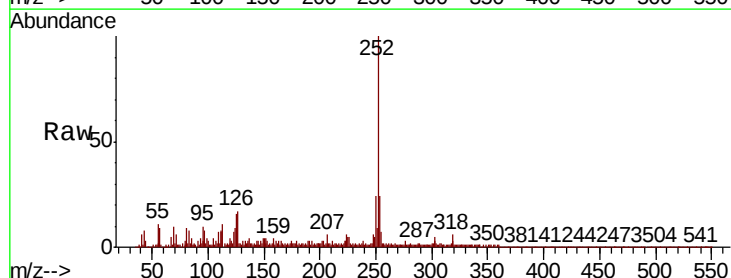
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	22.0	17.1	25.7

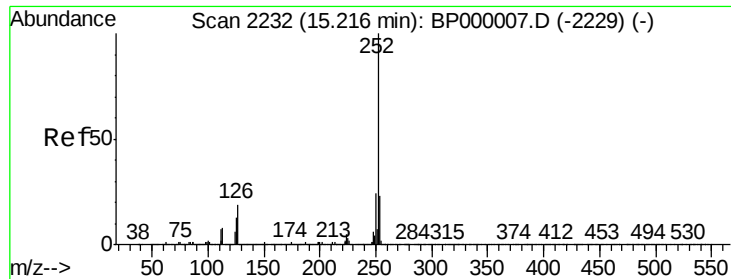


#88
Benzo(b)fluoranthene
Concen: 11.358 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BP000126.D
Acq: 09 Sep 2019 06:25

Tgt Ion:252 Resp: 735357

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	16.3	9.4	14.2





#89

Benzo(k)fluoranthene

Concen: 12.412 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.04 min

Lab File: BP000126.D

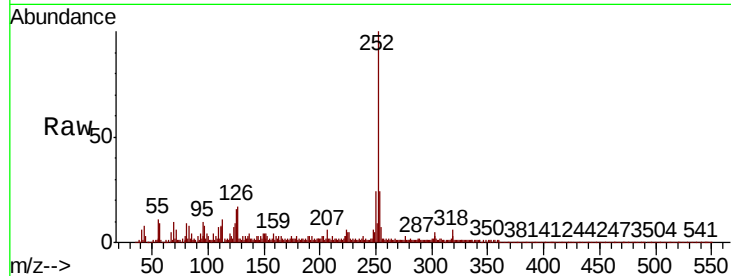
Acq: 09 Sep 2019 06:25

Instrument :

BNA_P

ClientSampled :

Tot Ion:	252	Resp:	735357
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	16.3	10.3	15.5#

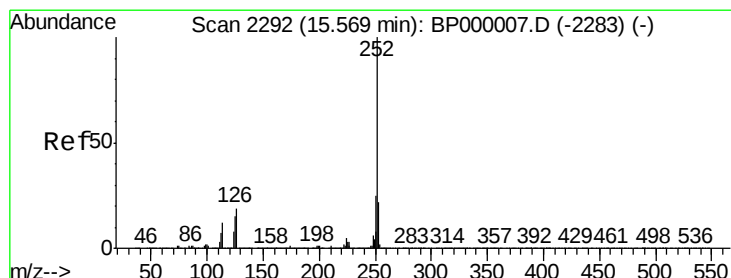
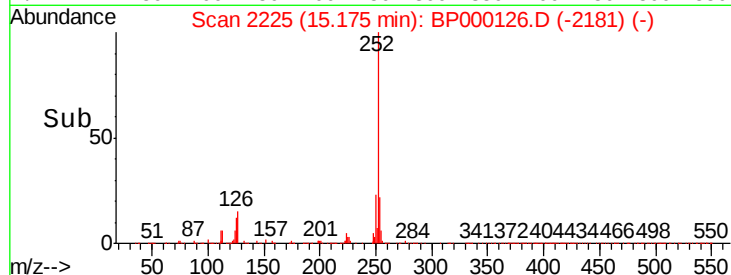
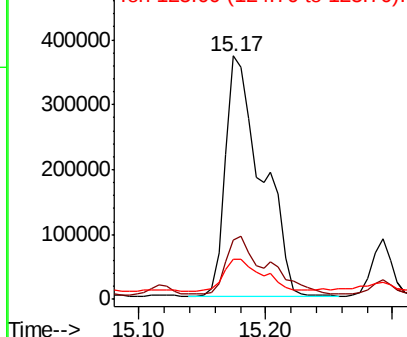


Abundance

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



#90

Benzo(a)pyrene

Concen: 6.934 ng

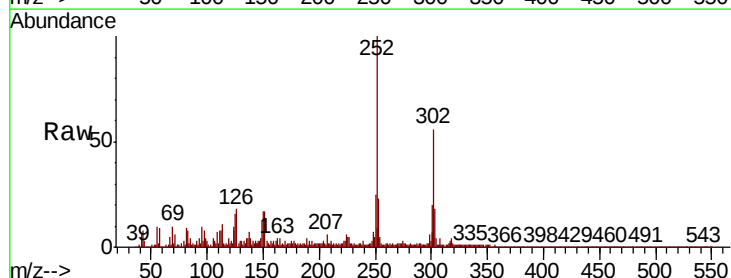
RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

Tgt Ion:	252	Resp:	405264
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	16.4	11.7	17.5

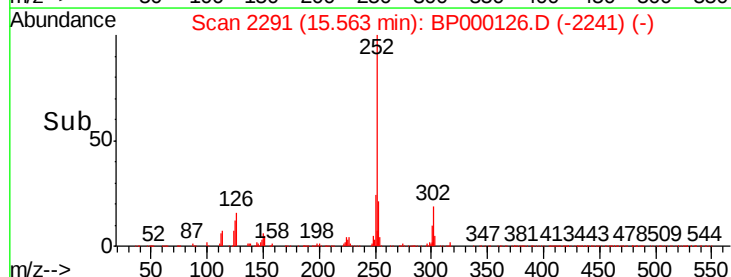
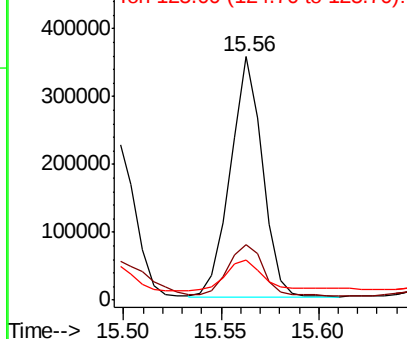


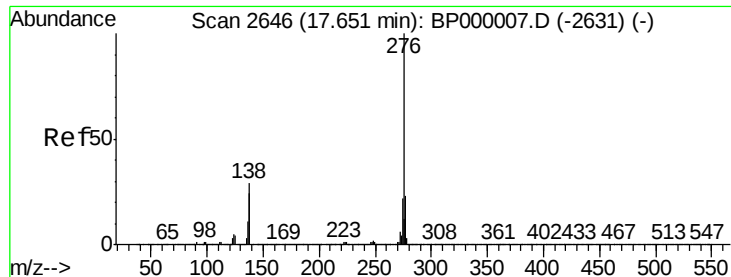
Abundance

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(a,h,i)perylene

Concen: 3.448 ng

RT: 17.65 min Scan# 2645

Delta R.T. -0.01 min

Lab File: BP000126.D

Acq: 09 Sep 2019 06:25

Instrument :

BNA_P

ClientSampleId :

Tot Ion: 276 Resp: 199463

Ion Ratio Lower Upper

276 100

277 29.3 18.6 28.0#

138 29.0 23.0 34.4

