

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
 Data File : BP001240.D
 Acq On : 06 Dec 2019 20:22
 Operator : JU
 Sample : K6112-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 07 00:40:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	79640	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	293242	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	171852	20.00	ng	-0.01
64) Phenanthrene-d10	15.60	188	322207	20.00	ng	-0.01
76) Chrysene-d12	19.24	240	239027	20.00	ng	-0.02
87) Perylene-d12	21.02	264	255675	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.22	112	446646	93.05	ng	0.00
7) Phenol-d6	7.76	99	621602	97.20	ng	0.00
23) Nitrobenzene-d5	9.19	82	424944	62.87	ng	-0.01
42) 2,4,6-Tribromophenol	14.49	330	168270	102.16	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	721795	61.47	ng	-0.01
79) Terphenyl-d14	17.88	244	811698	62.83	ng	-0.01

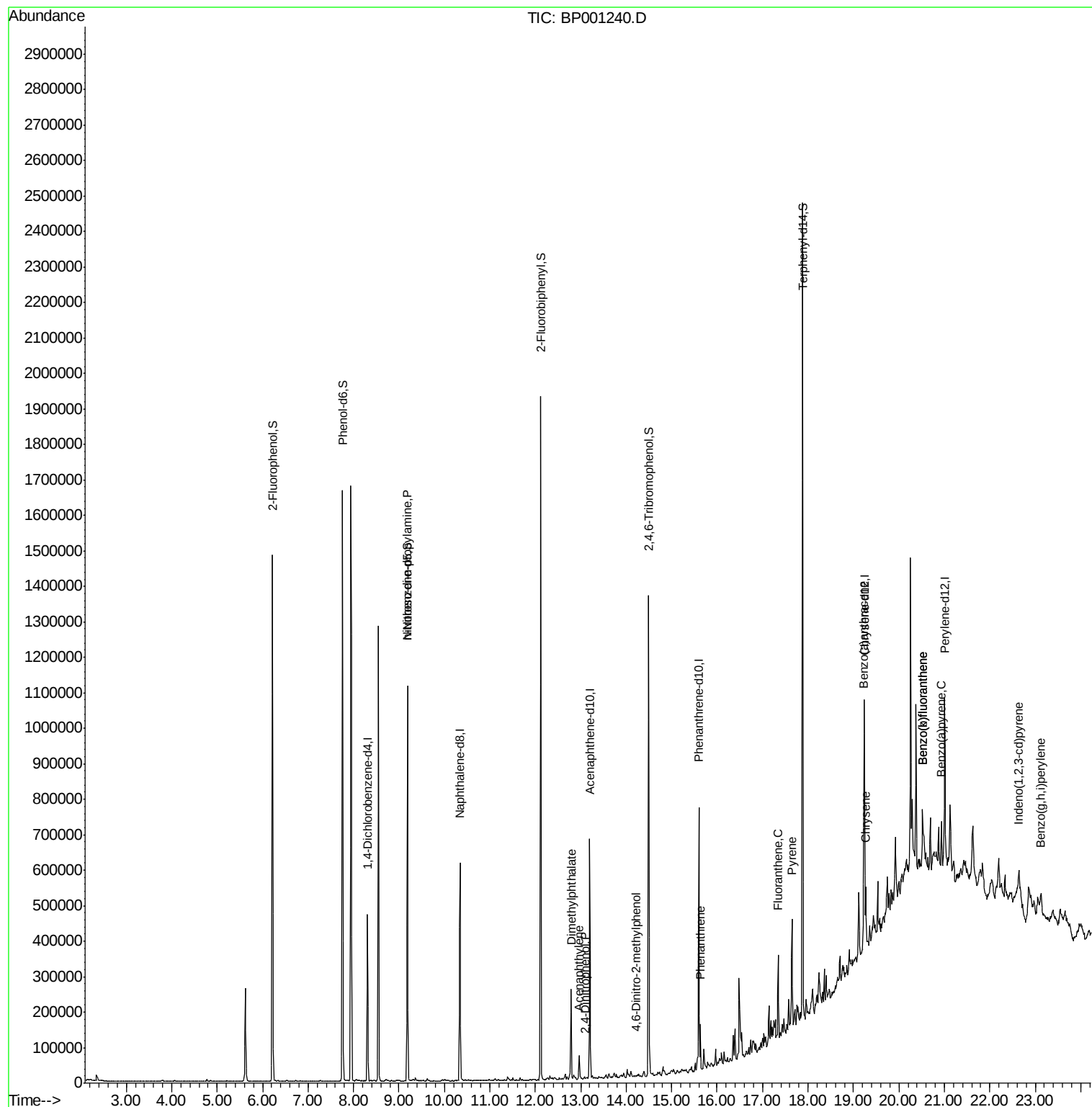
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.60	77	212	Below Cal		# 78
19) n-Nitroso-di-n-propylamine	9.19	70	61542	13.336	ng	# 80
49) Acenaphthylene	12.96	152	33948	2.135	ng	97
50) Dimethylphthalate	12.79	163	106251	8.267	ng	98
54) 2,4-Dinitrophenol	13.11	184	23	7.128	ng	95
65) 4,6-Dinitro-2-methylphenol	14.21	198	18	6.288	ng	# 1
71) Phenanthrene	15.63	178	58298	3.442	ng	97
75) Fluoranthene	17.34	202	111456	6.215	ng	98
78) Pyrene	17.65	202	143149	7.604	ng	97
81) Benzo(a)anthracene	19.23	228	73017	4.406	ng	# 82
83) Chrysene	19.27	228	81865	5.516	ng	# 88
86) Indeno(1,2,3-cd)pyrene	22.64	276	45538	2.604	ng	97
88) Benzo(b)fluoranthene	20.53	252	118393	7.581	ng	# 90
89) Benzo(k)fluoranthene	20.53	252	118393	7.871	ng	# 90
90) Benzo(a)pyrene	20.93	252	70543	4.904	ng	# 84
92) Benzo(g,h,i)perylene	23.13	276	44822	3.225	ng	# 91

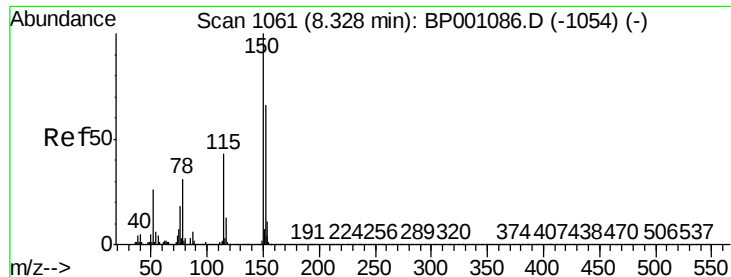
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Instrument :

BNA_P

ClientSampled :

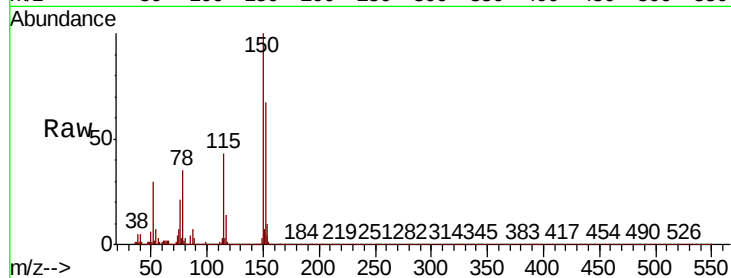
Tot Ion:152 Resp: 79640

Ion Ratio Lower Upper

152 100

150 149.6 127.3 190.9

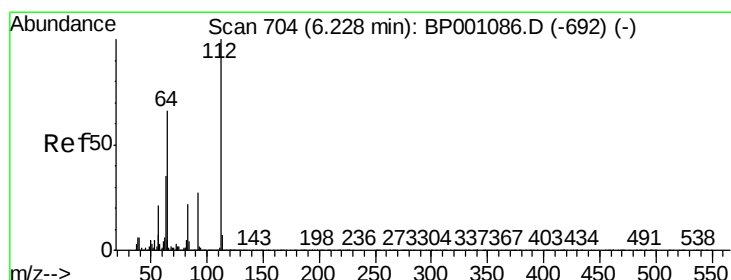
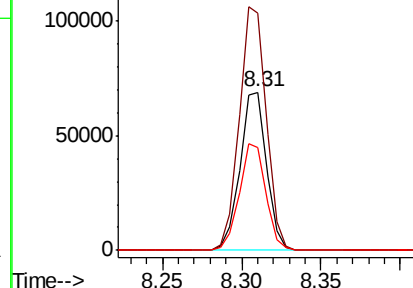
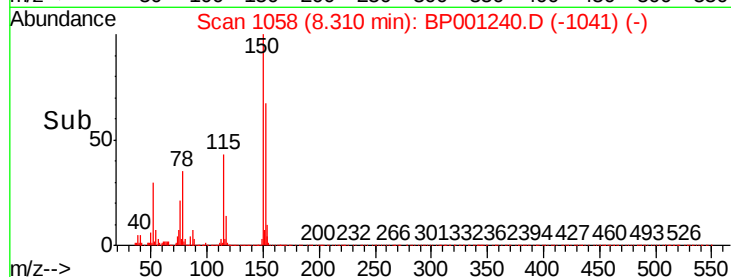
115 64.8 56.0 84.0



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: 93.046 ng

RT: 6.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

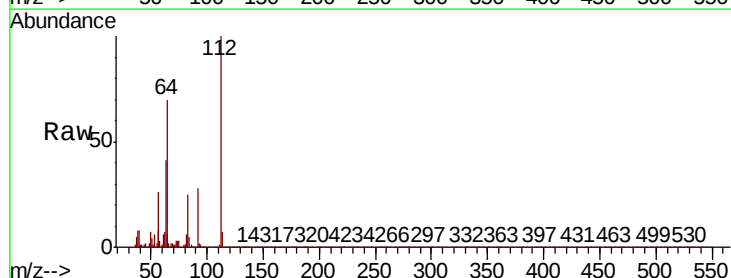
Tgt Ion:112 Resp: 446646

Ion Ratio Lower Upper

112 100

64 70.2 56.8 85.2

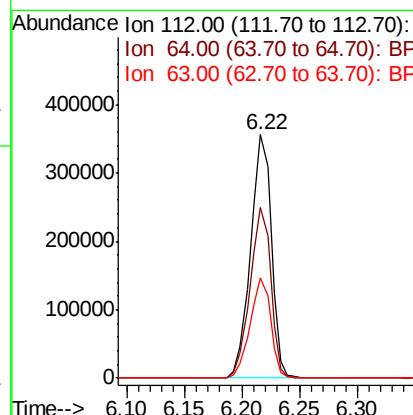
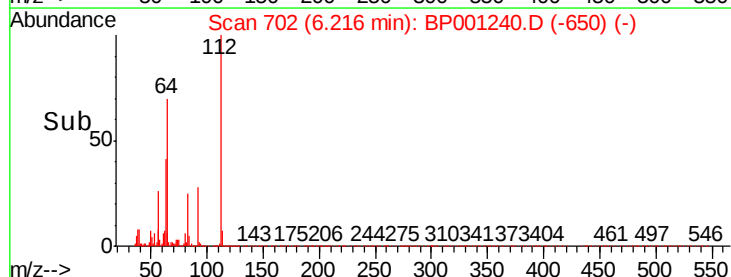
63 41.0 32.2 48.2



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: 97.200 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Instrument :

BNA_P

ClientSampleId :

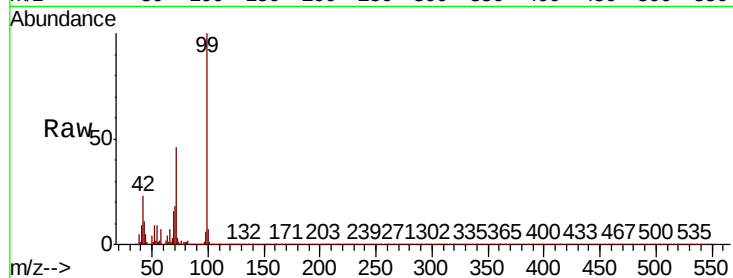
Tot Ion: 99 Resp: 621602

Ion Ratio Lower Upper

99 100

42 23.3 17.6 26.4

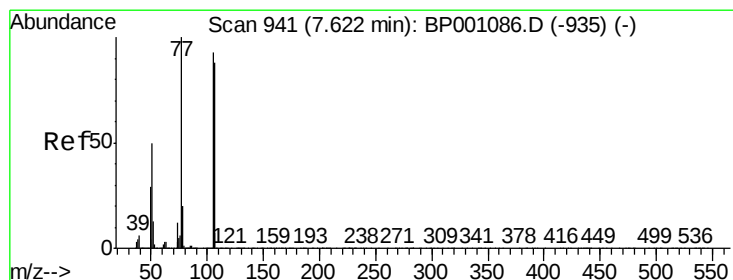
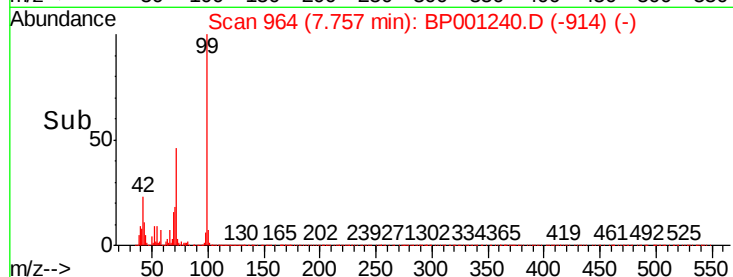
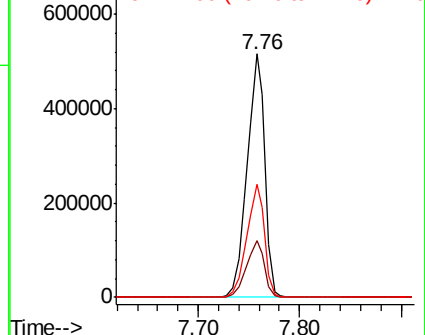
71 46.5 33.8 50.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 7.60 min Scan# 937

Delta R.T. -0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

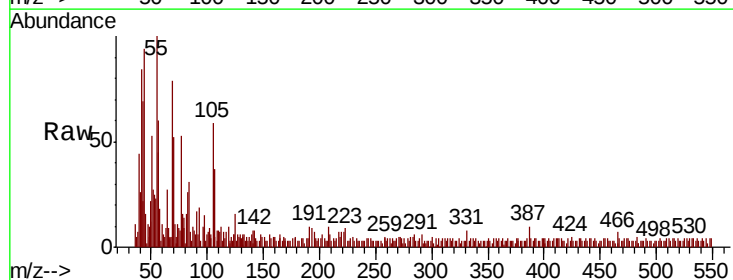
Tgt Ion: 77 Resp: 212

Ion Ratio Lower Upper

77 100

105 113.0 69.7 109.7#

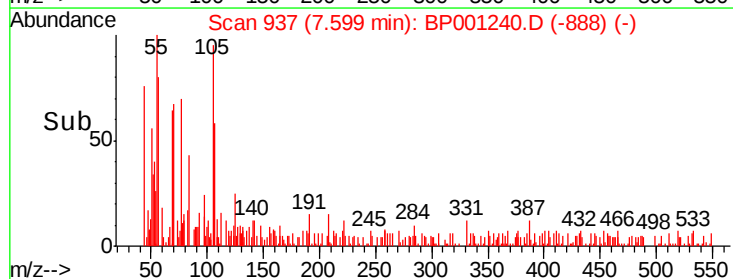
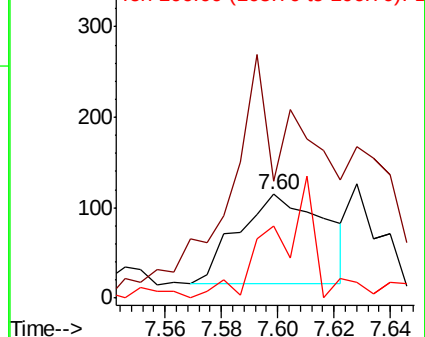
106 69.6 67.1 107.1

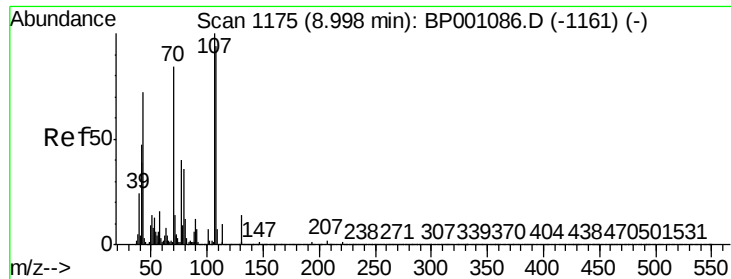


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

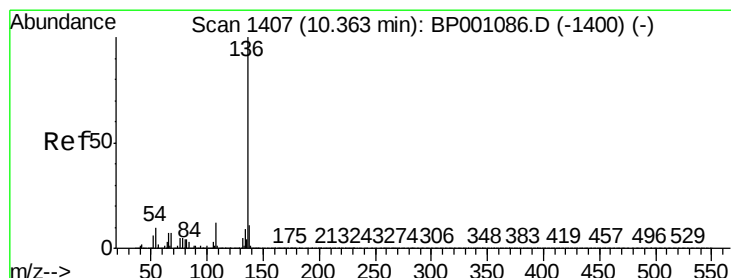
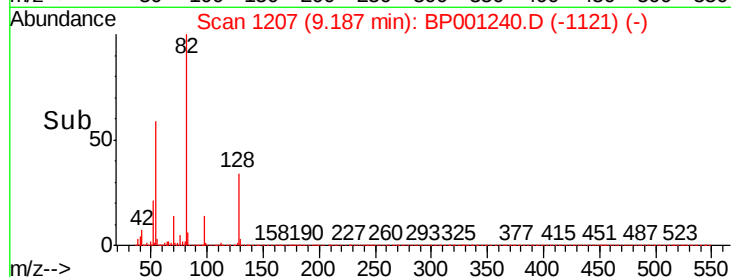
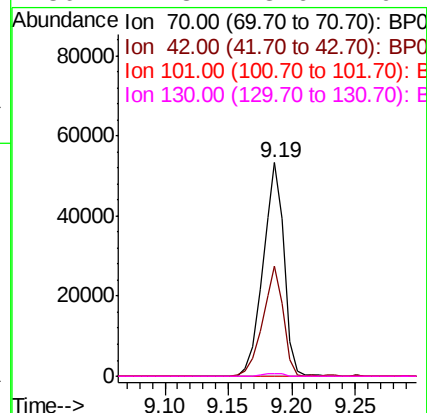
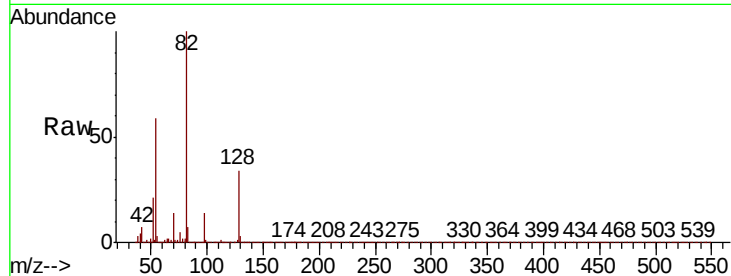




#19
n-Nitroso-di-n-propylamine
Concen: 13.336 ng
RT: 9.19 min Scan# 1207
Delta R.T. 0.21 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

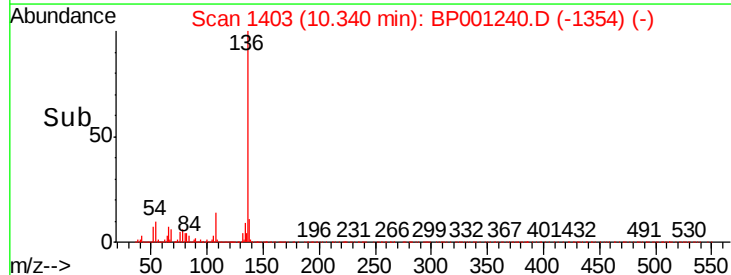
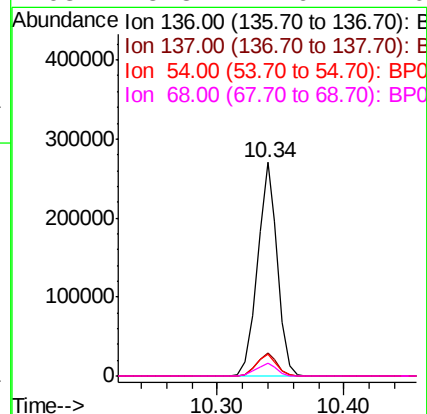
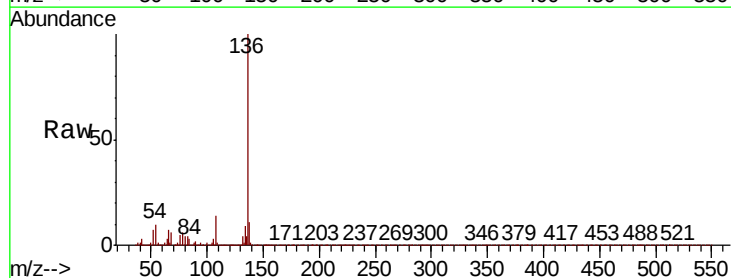
Instrument :
BNA_P
ClientSampleId :

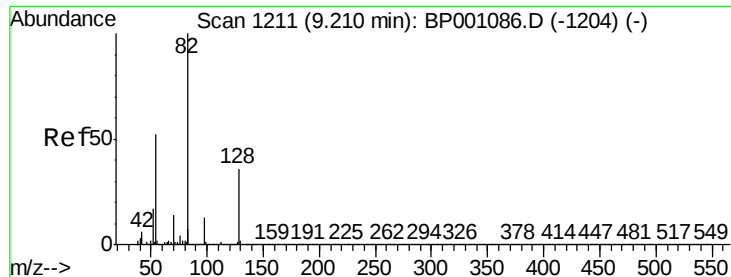
Tot Ion: 70 Resp: 61542
Ion Ratio Lower Upper
70 100
42 51.9 50.6 76.0
101 0.0 7.1 10.7#
130 1.3 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion: 136 Resp: 293242
Ion Ratio Lower Upper
136 100
137 10.6 8.4 12.6
54 10.4 7.4 11.0
68 5.8 4.6 7.0

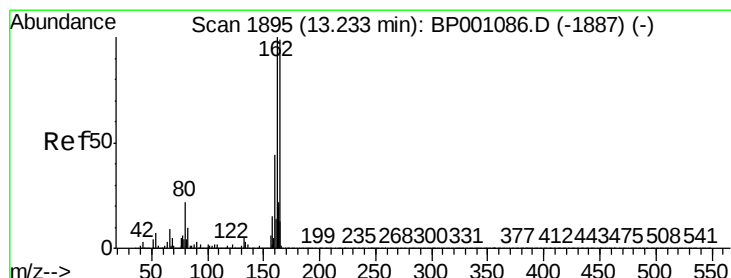
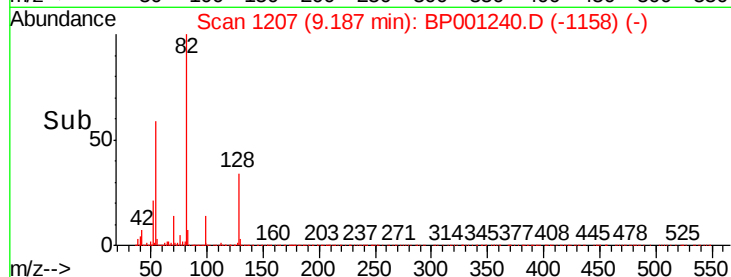
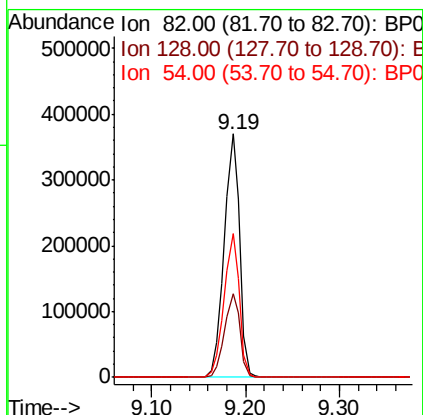
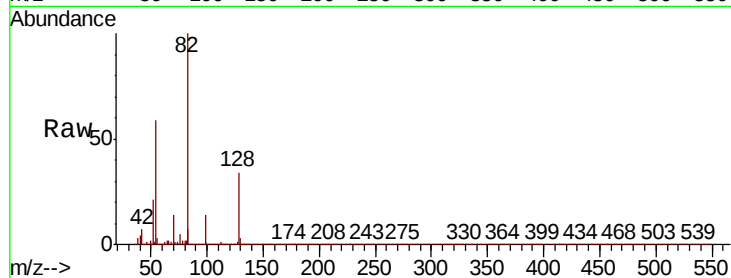




#23
 Nitrobenzene-d5
 Concen: 62.871 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BP001240.D
 Acq: 06 Dec 2019 20:22

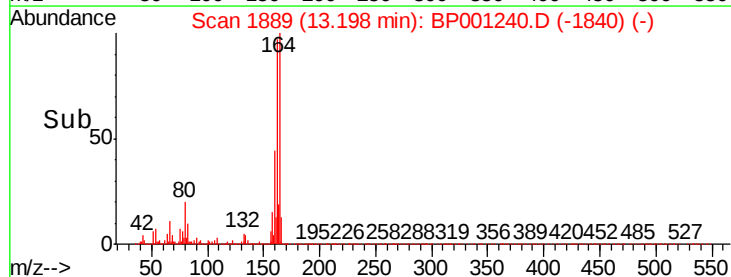
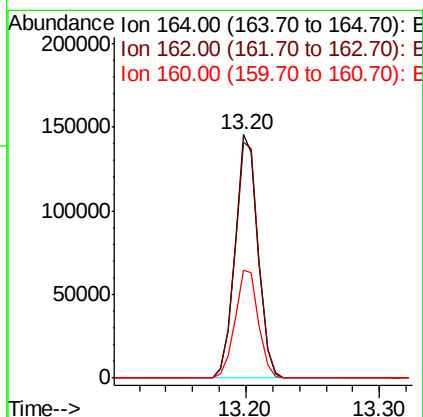
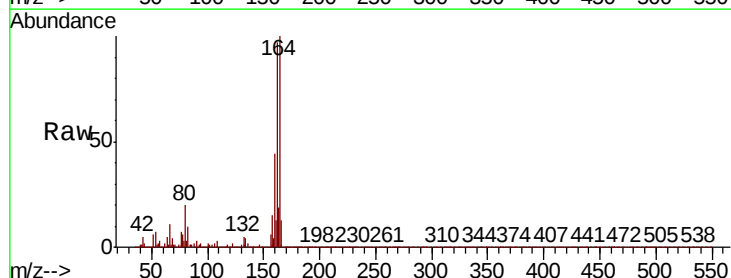
Instrument :
 BNA_P
 ClientSampleId :

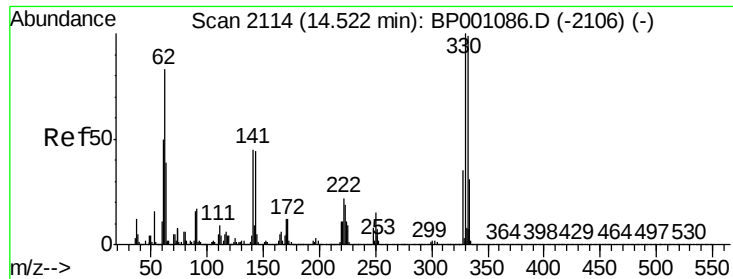
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.2	27.5	41.3
54	59.2	45.7	68.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.20 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: BP001240.D
 Acq: 06 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.7	80.7	121.1
160	44.3	36.3	54.5

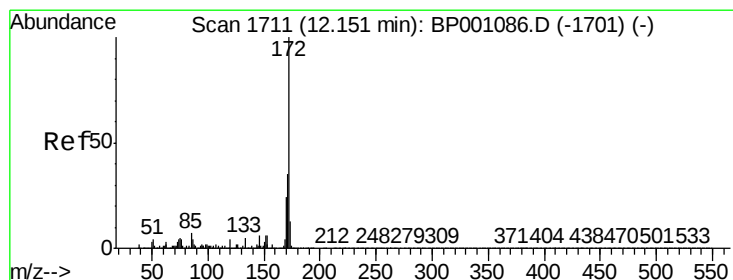
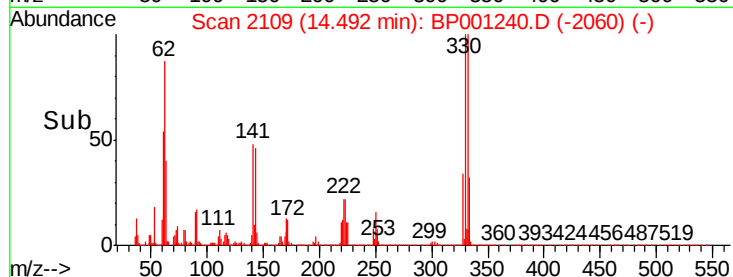
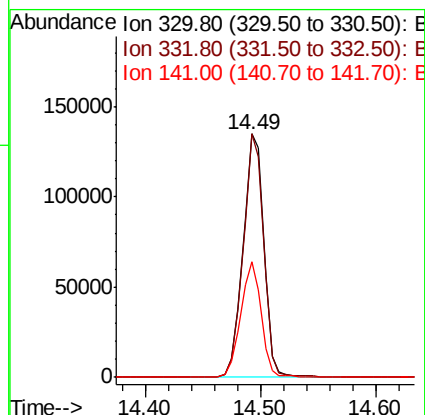
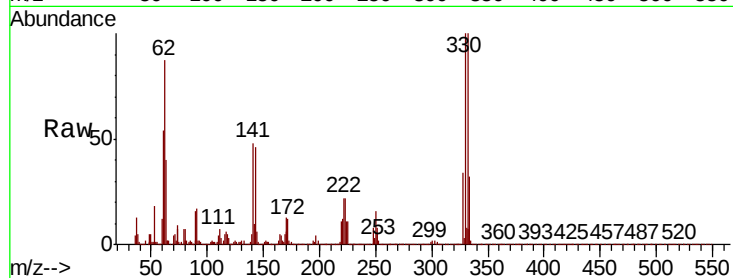




#42
2,4,6-Tribromophenol
Concen: 102.155 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

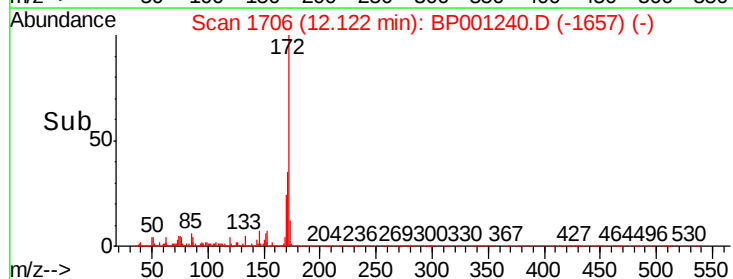
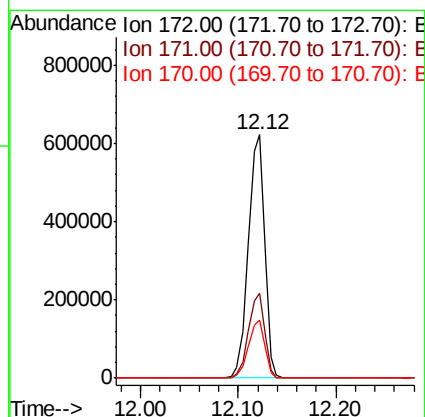
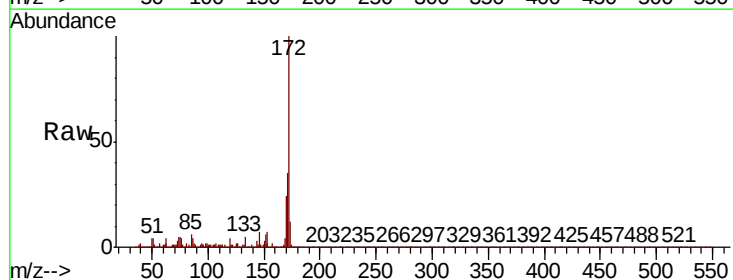
Instrument :
BNA_P
ClientSampleId :

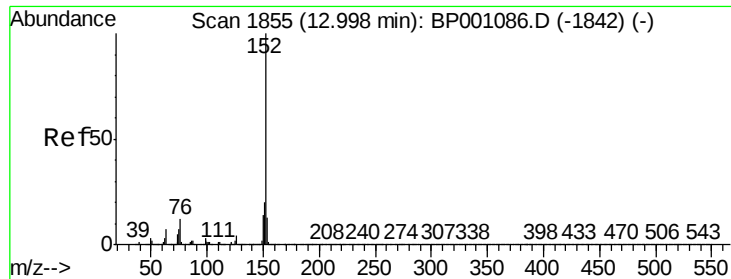
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.6	79.1	118.7
141	46.1	35.9	53.9



#45
2-Fluorobiphenyl
Concen: 61.472 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.7	19.2	28.8





#49

Acenaphthylene

Concen: 2.135 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.02 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

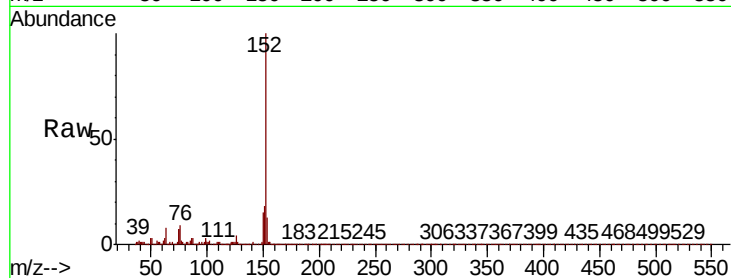
Instrument :

BNA_P

ClientSampleId :

Tot Ion:152 Resp: 33948

Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.0	24.0
153	12.8	10.3	15.5

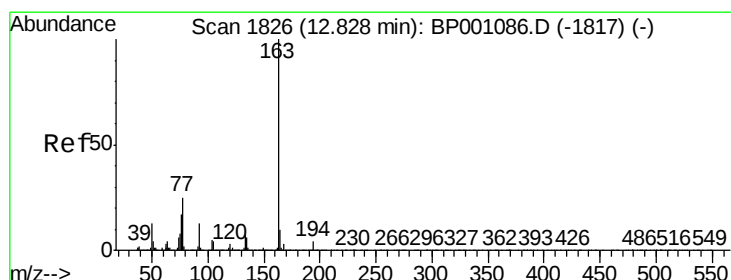
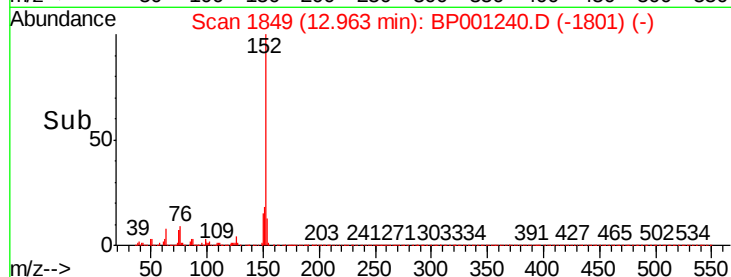
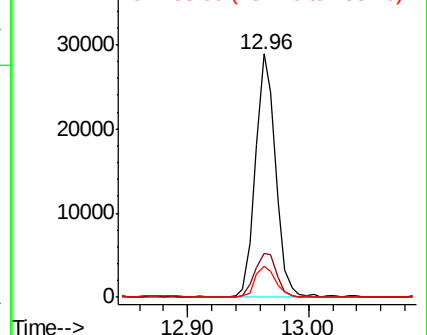


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.267 ng

RT: 12.79 min Scan# 1819

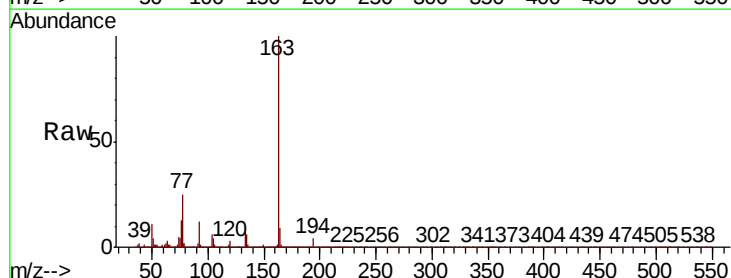
Delta R.T. -0.02 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Tgt Ion:163 Resp: 106251

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	9.3	8.2	12.4

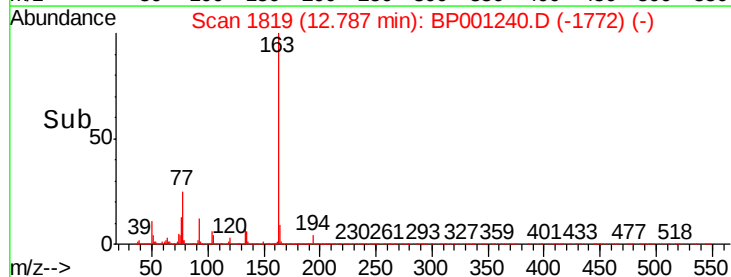
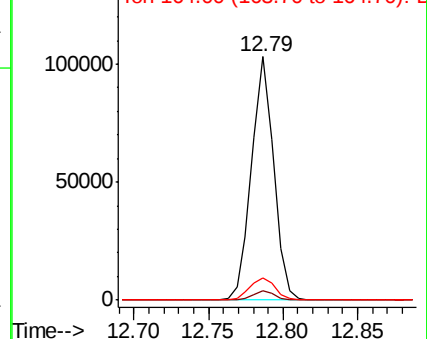


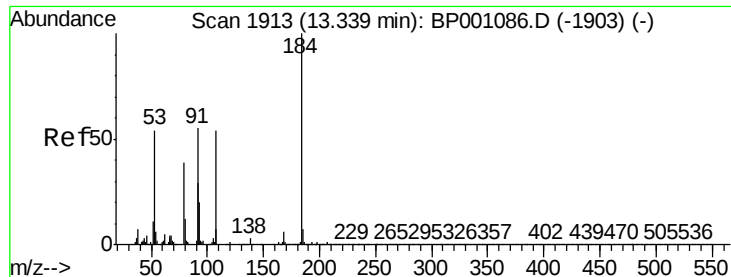
Abundance

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

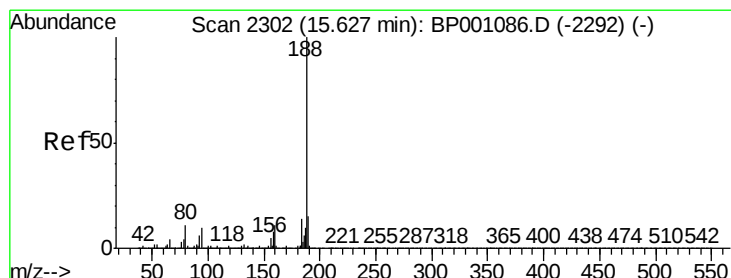
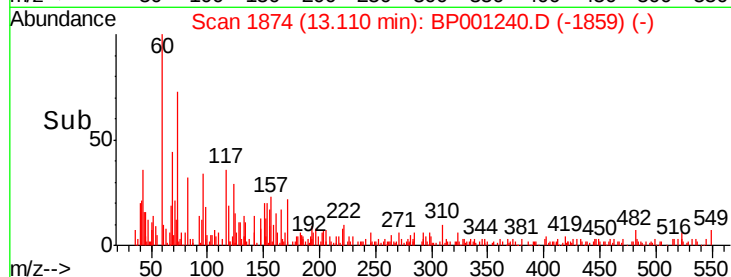
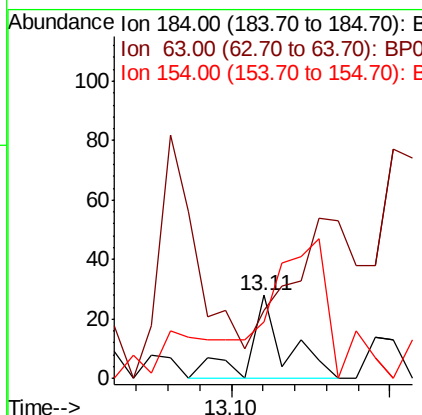
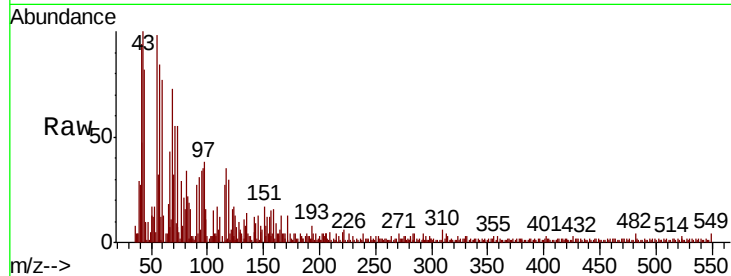




#54
2,4-Dinitrophenol
Concen: 7.128 ng
RT: 13.11 min Scan# 1874
Delta R.T. -0.21 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

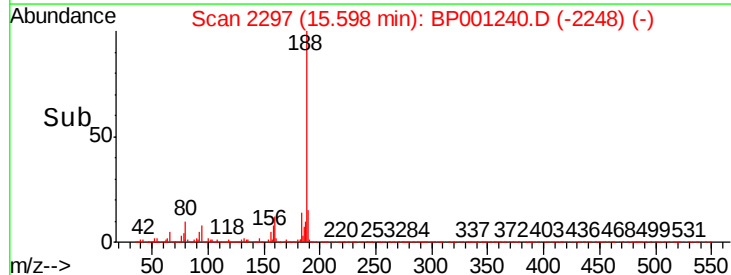
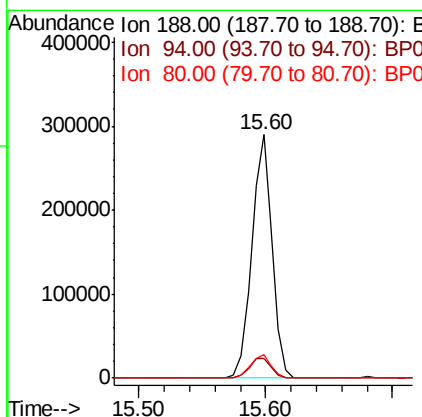
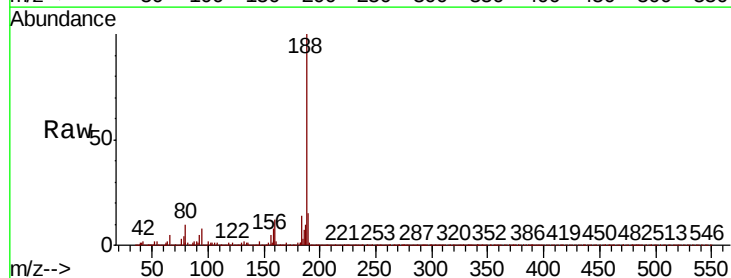
Instrument :
BNA_P
ClientSampled :

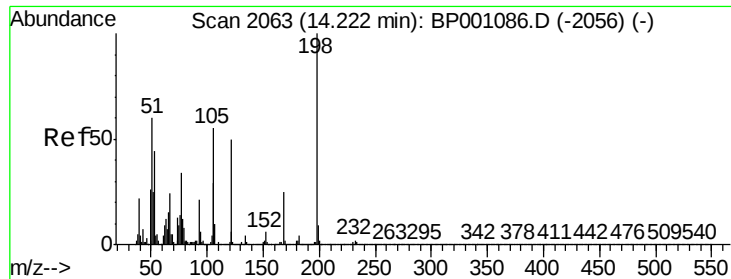
Tot Ion:184 Resp: 23
Ion Ratio Lower Upper
184 100
63 82.1 69.4 104.0
154 67.9 57.4 86.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion:188 Resp: 322207
Ion Ratio Lower Upper
188 100
94 8.3 7.1 10.7
80 9.6 7.8 11.6





#65

4,6-Dinitro-2-methylphenol

Concen: 6.288 ng

RT: 14.21 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Instrument :

BNA_P

ClientSampleId :

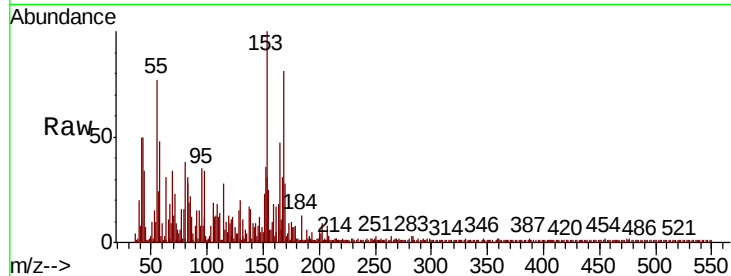
Tot Ion:198 Resp: 18

Ion Ratio Lower Upper

198 100

51 475.0 36.2 76.2#

105 900.0 30.2 70.2#



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

400

300

200

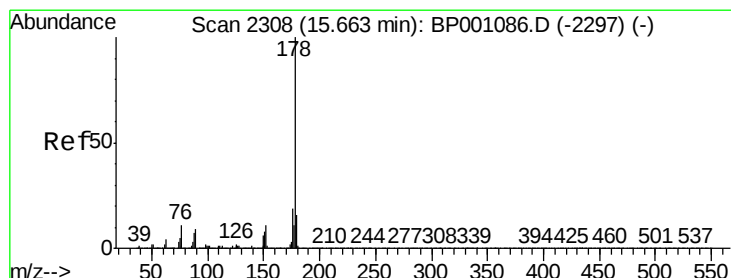
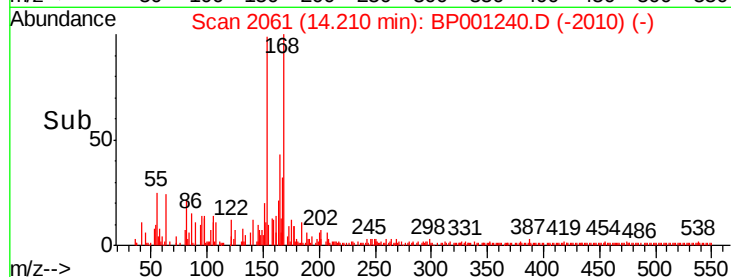
100

0

14.20

14.22

Time-->



#71

Phenanthrene

Concen: 3.442 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

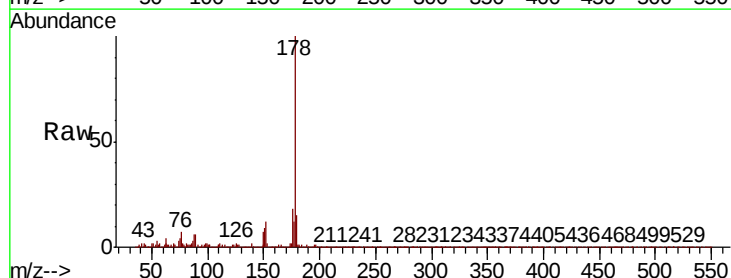
Tgt Ion:178 Resp: 58298

Ion Ratio Lower Upper

178 100

176 17.8 15.7 23.5

179 15.2 12.4 18.6



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

60000

40000

20000

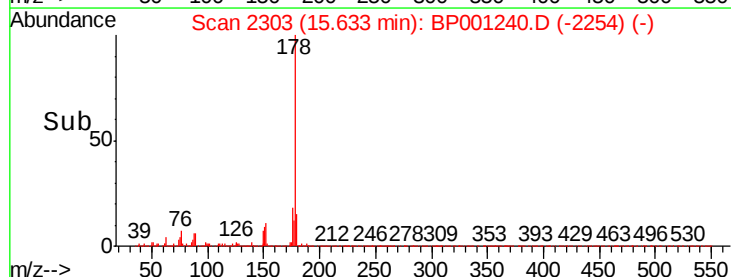
0

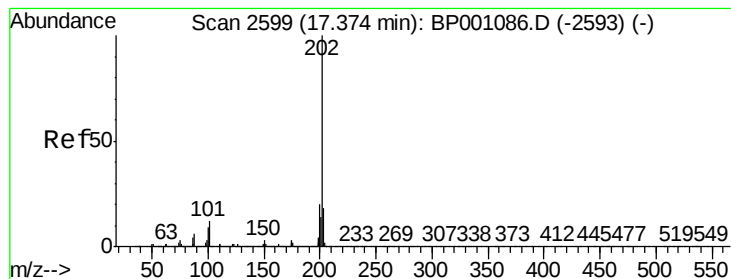
15.55

15.60

15.65

Time-->





#75

Fluoranthene

Concen: 6.215 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BP001240.D

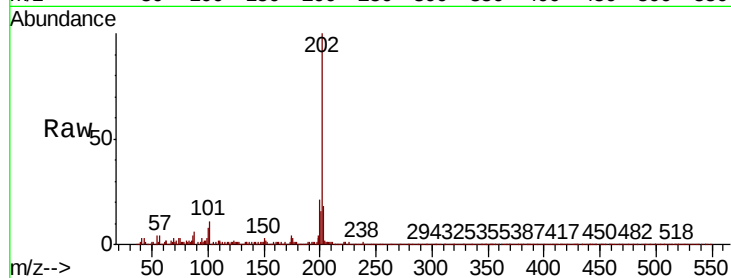
Acq: 06 Dec 2019 20:22

Instrument :

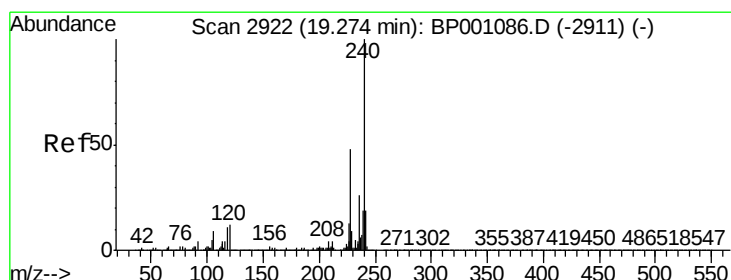
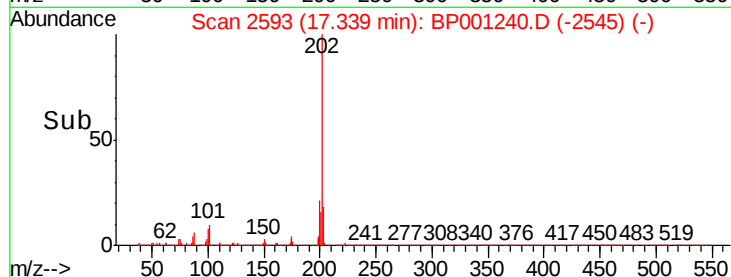
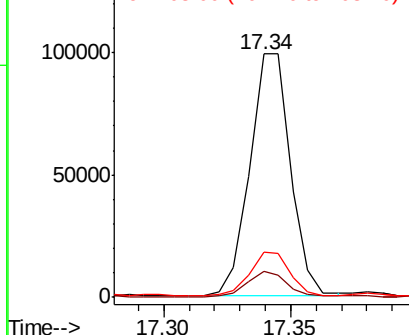
BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	111456
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.0
203	18.4	0.0	37.1



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

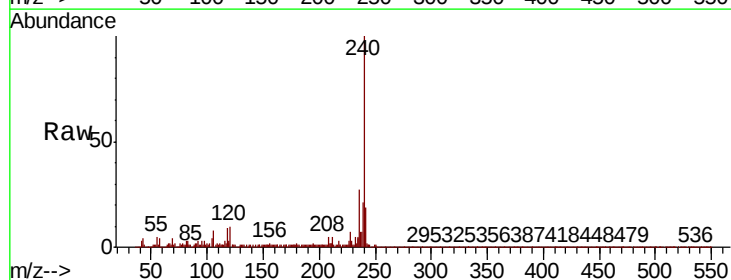
RT: 19.24 min Scan# 2916

Delta R.T. -0.02 min

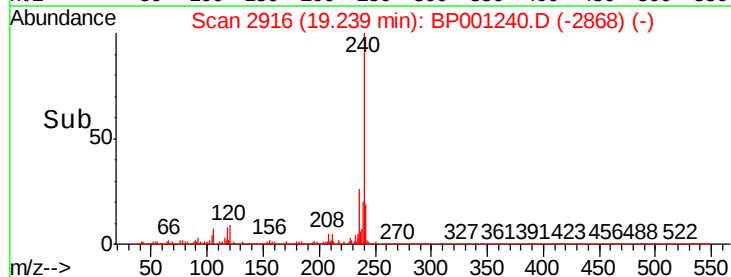
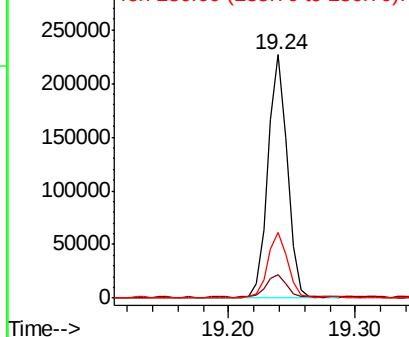
Lab File: BP001240.D

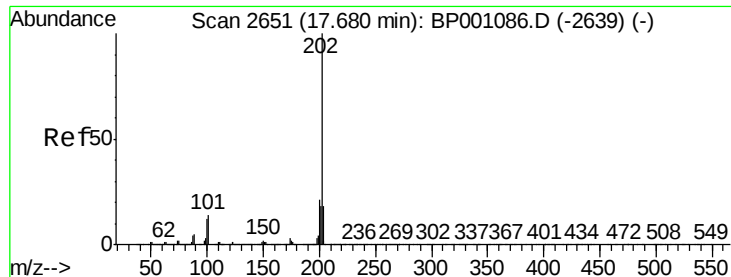
Acq: 06 Dec 2019 20:22

Tgt Ion:	240	Resp:	239027
Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.0	10.6
236	26.9	21.7	32.5



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

Pvrene

Concen: 7.604 ng

RT: 17.65 min Scan# 2645

Delta R.T. -0.02 min

Lab File: BP001240.D

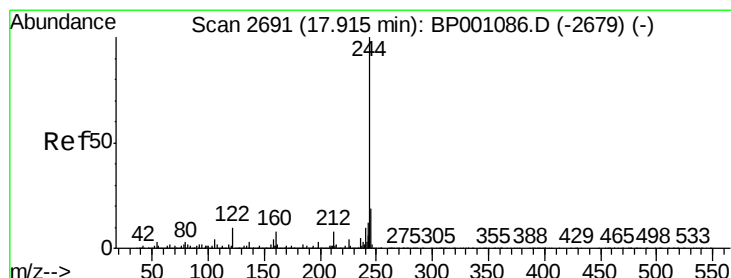
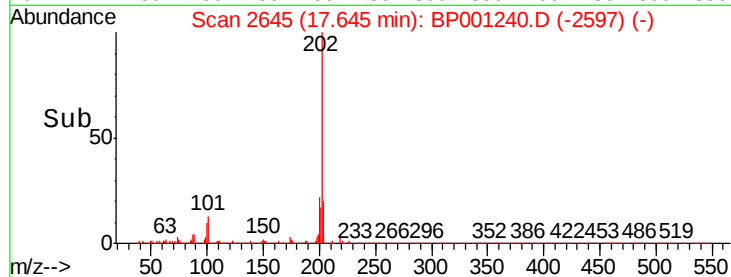
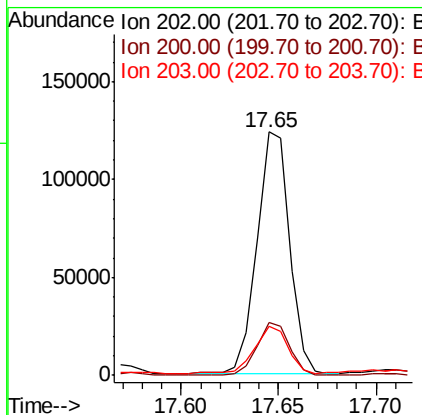
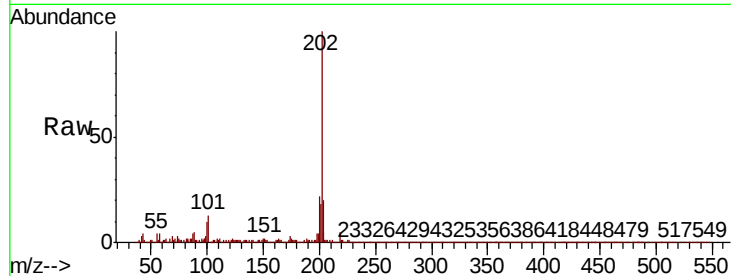
Acq: 06 Dec 2019 20:22

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	143149
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.3	25.9
203	20.2	13.8	20.8



#79

Terphenyl-d14

Concen: 62.826 ng

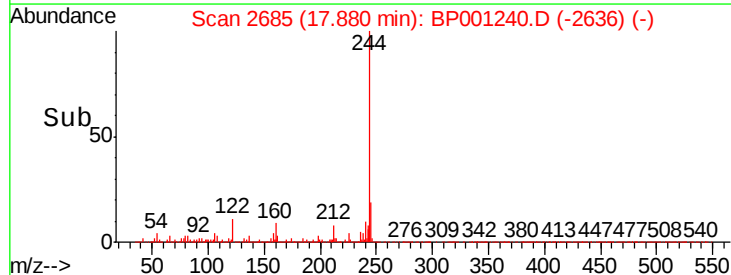
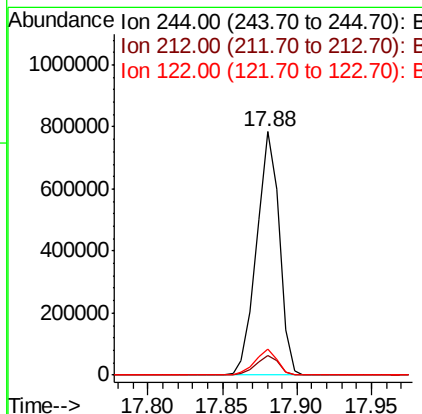
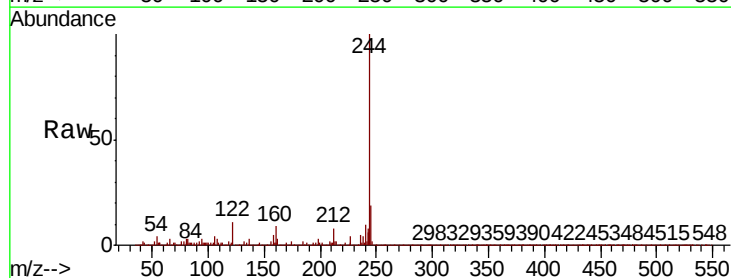
RT: 17.88 min Scan# 2685

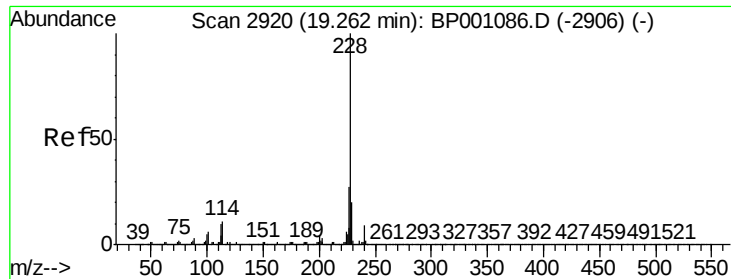
Delta R.T. -0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Tgt Ion:	244	Resp:	811698
Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	9.8
122	10.6	9.2	13.8

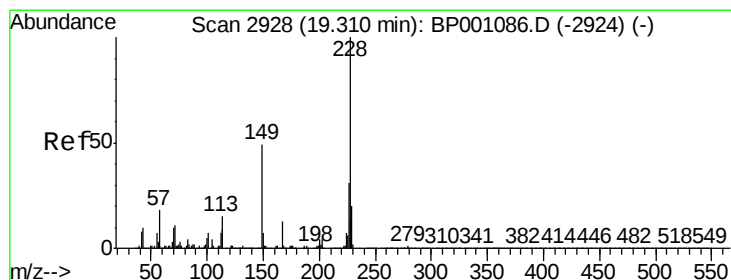
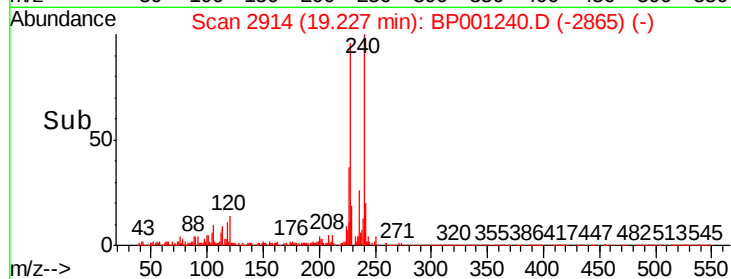
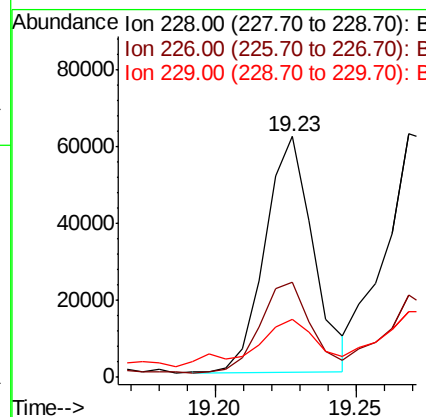
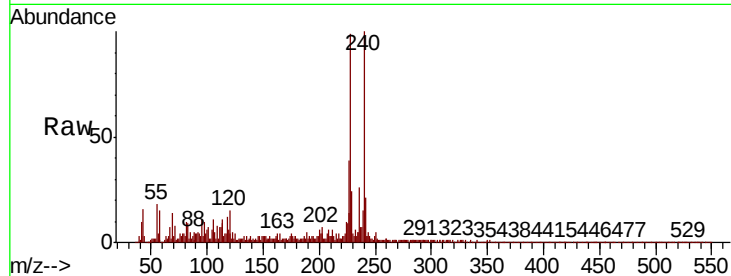




#81
Benzo(a)anthracene
Concen: 4.406 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

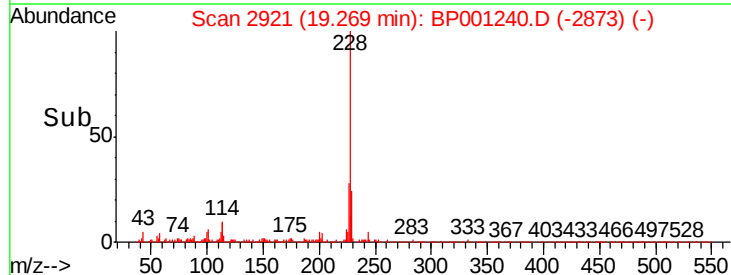
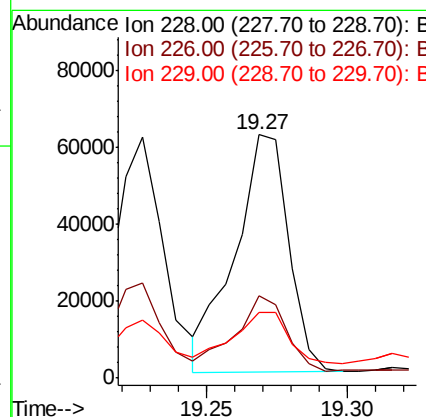
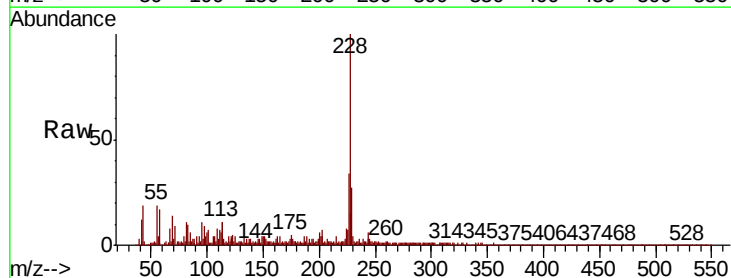
Instrument :
BNA_P
ClientSampleId :

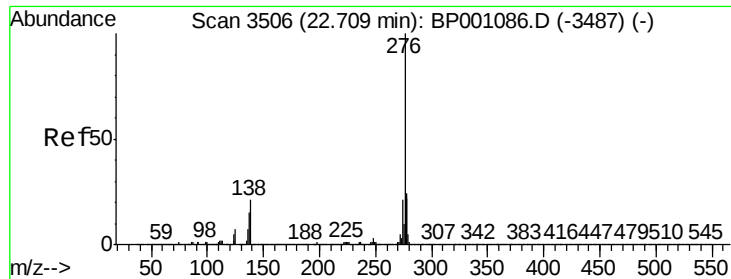
Tot Ion:228 Resp: 73017
Ion Ratio Lower Upper
228 100
226 39.4 21.7 32.5#
229 24.2 15.8 23.6#



#83
Chrysene
Concen: 5.516 ng
RT: 19.27 min Scan# 2921
Delta R.T. -0.02 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion:228 Resp: 81865
Ion Ratio Lower Upper
228 100
226 33.6 23.7 35.5
229 27.1 15.2 22.8#





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.604 ng

RT: 22.64 min Scan# 3494

Delta R.T. -0.04 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Instrument :

BNA_P

ClientSampleId :

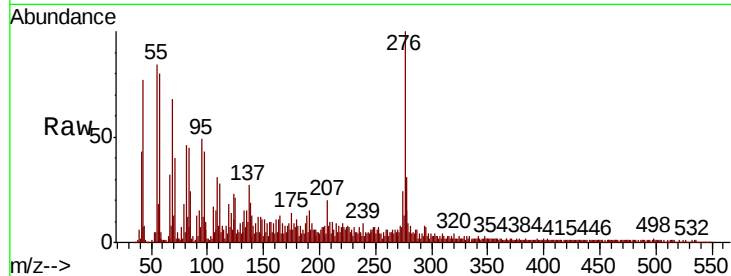
Tot Ion:276 Resp: 45538

Ion Ratio Lower Upper

276 100

138 21.4 17.9 26.9

277 27.3 20.1 30.1

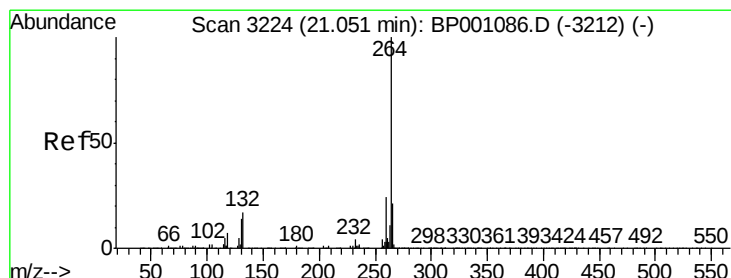
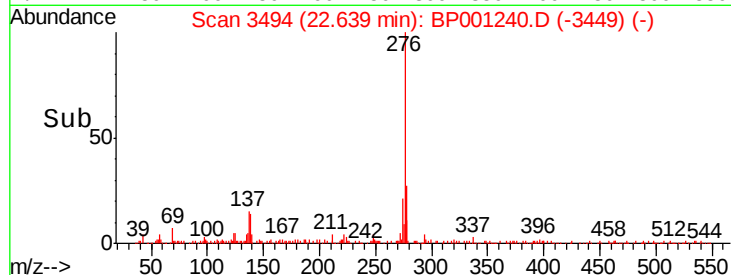
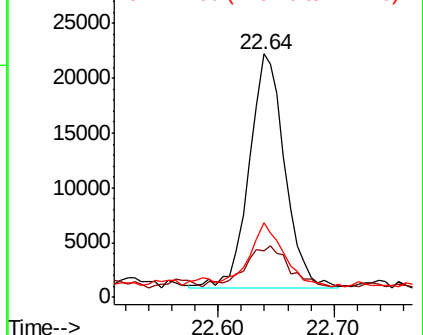


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 21.02 min Scan# 3218

Delta R.T. -0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

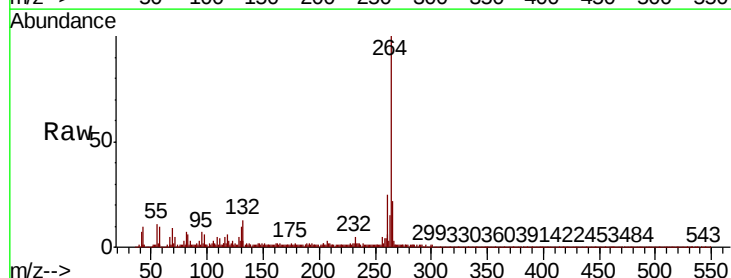
Tgt Ion:264 Resp: 255675

Ion Ratio Lower Upper

264 100

260 25.0 19.4 29.0

265 22.1 17.1 25.7

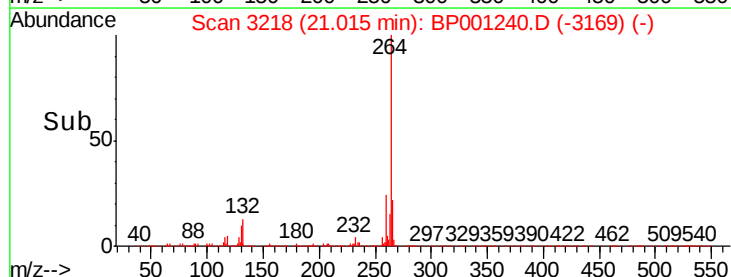
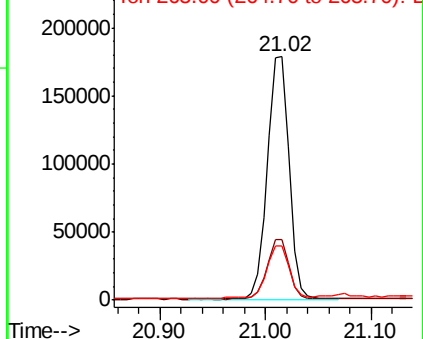


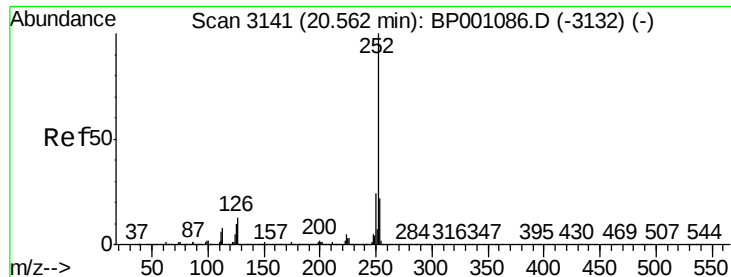
Abundance

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

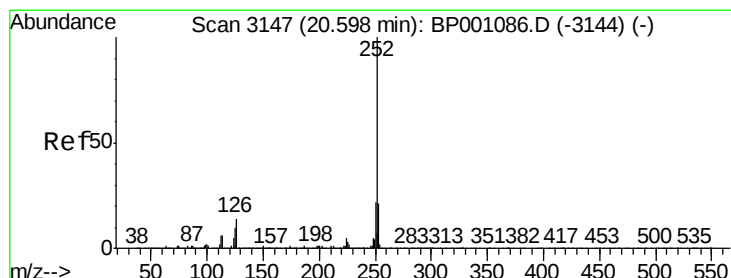
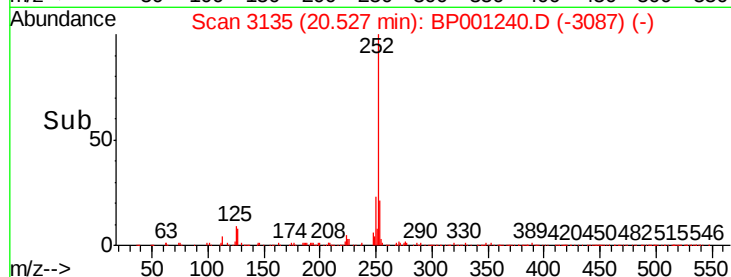
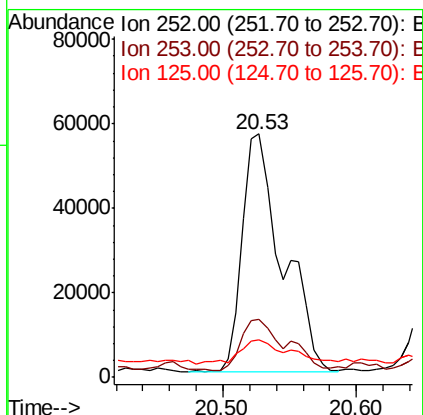
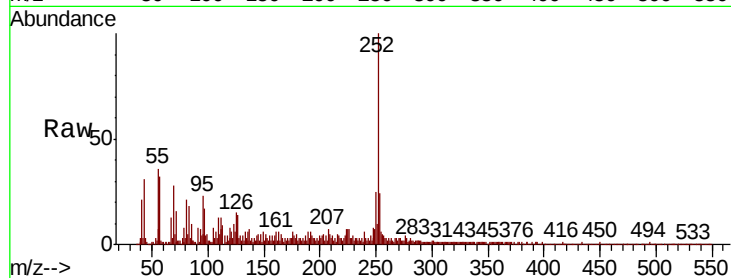




#88
Benzo(b)fluoranthene
Concen: 7.581 ng
RT: 20.53 min Scan# 3135
Delta R.T. -0.02 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

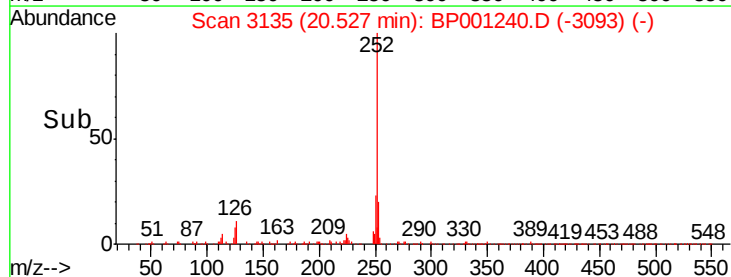
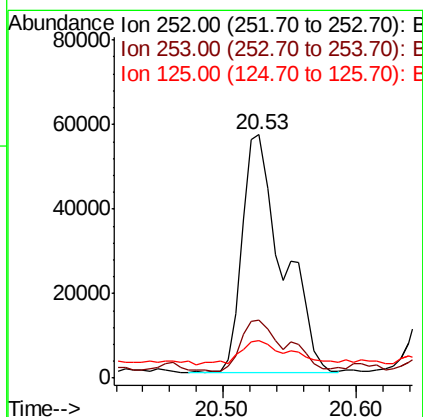
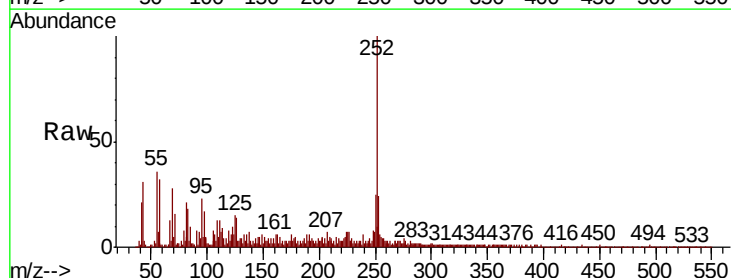
Instrument :
BNA_P
ClientSampleId :

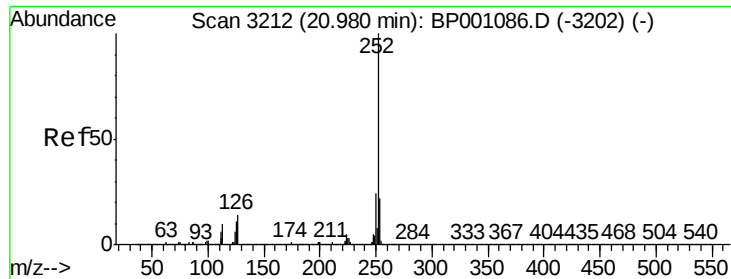
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	15.4	6.6	9.8



#89
Benzo(k)fluoranthene
Concen: 7.871 ng
RT: 20.53 min Scan# 3135
Delta R.T. -0.05 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	15.4	6.2	9.4

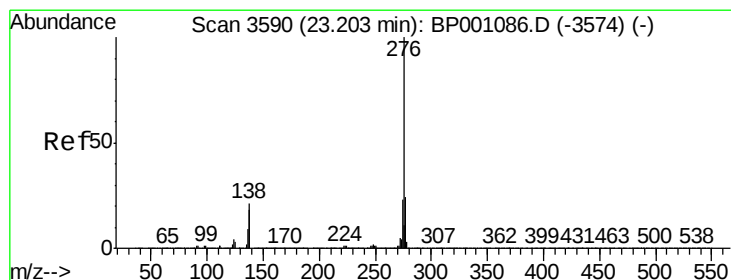
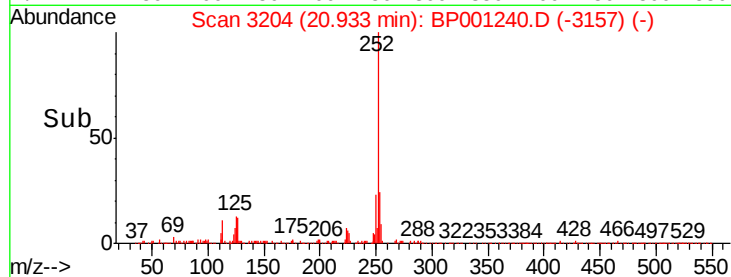
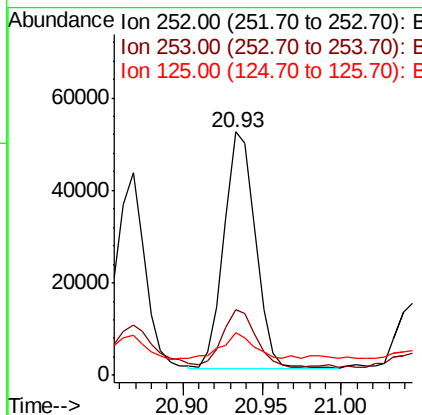
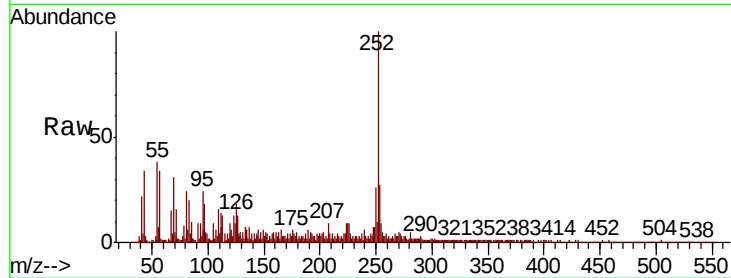




#90
Benzo(a)pyrene
Concen: 4.904 ng
RT: 20.93 min Scan# 3204
Delta R.T. -0.02 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampleId :

Tot Ion:252 Resp: 70543
Ion Ratio Lower Upper
252 100
253 27.1 16.8 25.2#
125 17.7 7.8 11.6#



#92
Benzo(g,h,i)perylene
Concen: 3.225 ng
RT: 23.13 min Scan# 3577
Delta R.T. -0.04 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion:276 Resp: 44822
Ion Ratio Lower Upper
276 100
277 27.7 18.6 28.0
138 23.7 15.6 23.4#

