

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
 Data File : BP001245.D
 Acq On : 06 Dec 2019 22:51
 Operator : JU
 Sample : K6135-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 07 00:42:34 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	84417	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	310298	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	171965	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	320072	20.00	ng	0.00
76) Chrysene-d12	19.24	240	259885	20.00	ng	-0.01
87) Perylene-d12	21.03	264	232894	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	239145	47.00	ng	0.00
7) Phenol-d6	7.76	99	341588	50.39	ng	0.00
23) Nitrobenzene-d5	9.19	82	231855	32.42	ng	-0.01
42) 2,4,6-Tribromophenol	14.49	330	59334	36.00	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	414619	35.29	ng	-0.01
79) Terphenyl-d14	17.89	244	478557	34.07	ng	0.00

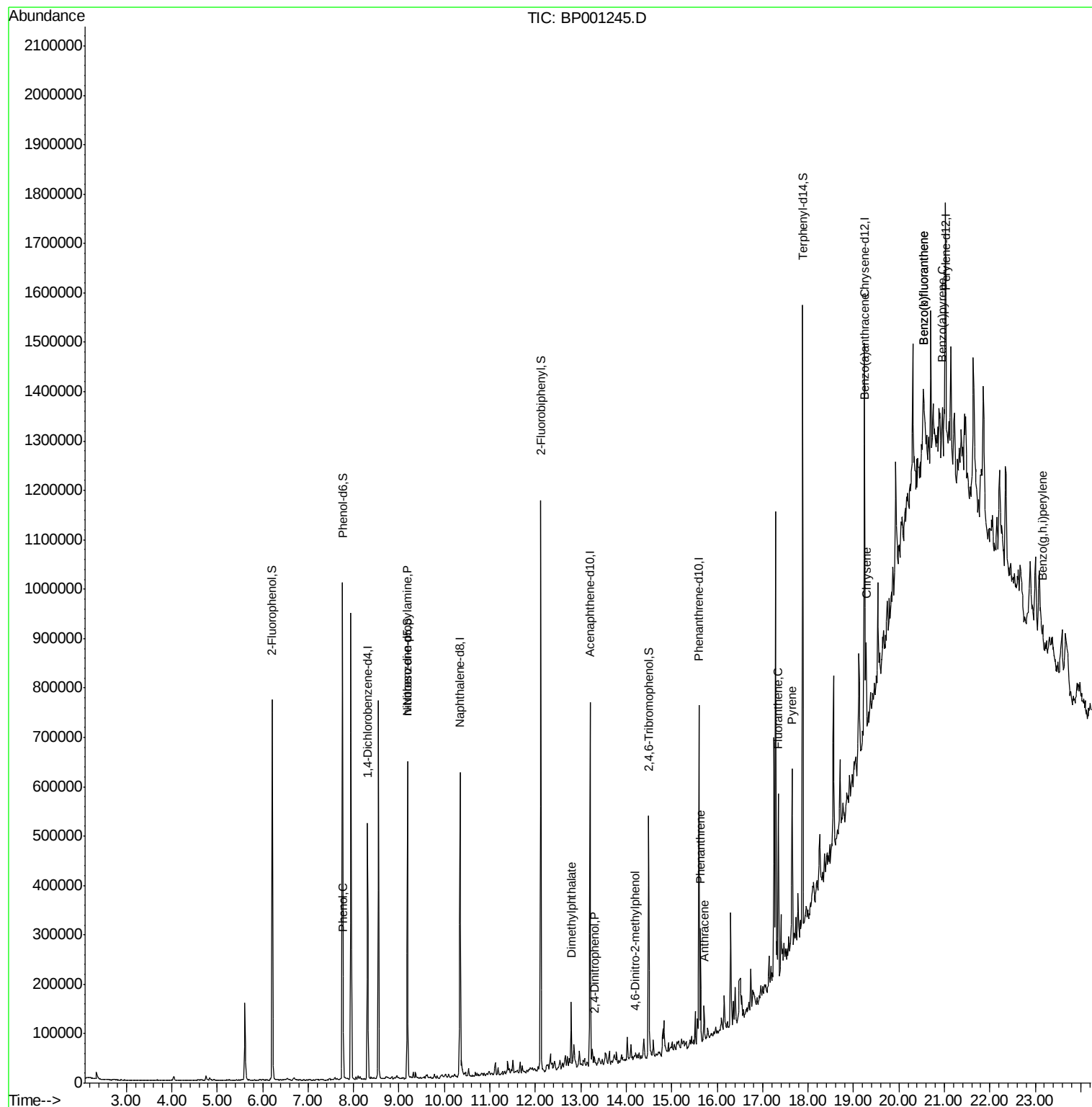
Target Compounds				Qvalue		
9) Benzaldehyde	7.60	77	1029	Below Cal		86
10) Phenol	7.77	94	20288	2.631 ng		82
19) n-Nitroso-di-n-propylamine	9.19	70	32336	6.611 ng	#	79
50) Dimethylphthalate	12.79	163	54508	4.238 ng		100
54) 2,4-Dinitrophenol	13.31	184	8	7.116 ng	#	1
65) 4,6-Dinitro-2-methylphenol	14.20	198	12	6.284 ng	#	1
71) Phenanthrene	15.63	178	100734	5.986 ng		99
72) Anthracene	15.71	178	34018	2.051 ng		95
75) Fluoranthene	17.34	202	163947	9.203 ng		98
78) Pyrene	17.65	202	155922	7.617 ng	#	93
81) Benzo(a)anthracene	19.23	228	83378	4.627 ng	#	87
83) Chrysene	19.28	228	80832	5.010 ng	#	91
88) Benzo(b)fluoranthene	20.54	252	118921	8.360 ng	#	82
89) Benzo(k)fluoranthene	20.54	252	118921	8.680 ng	#	82
90) Benzo(a)pyrene	20.95	252	61022	4.657 ng	#	73
92) Benzo(g,h,i)perylene	23.16	276	33143	2.618 ng	#	76

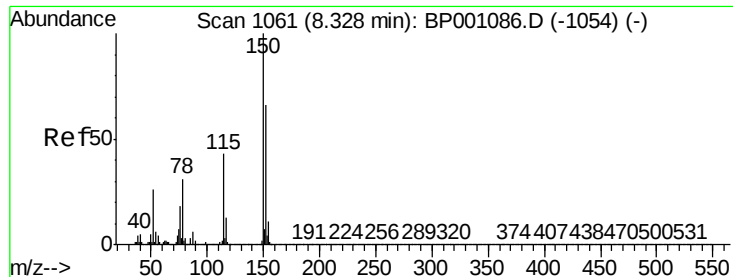
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA_P

ClientSampleId :

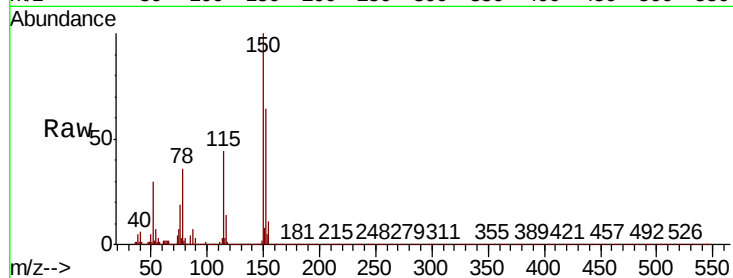
Tot Ion:152 Resp: 84417

Ion Ratio Lower Upper

152 100

150 155.2 127.3 190.9

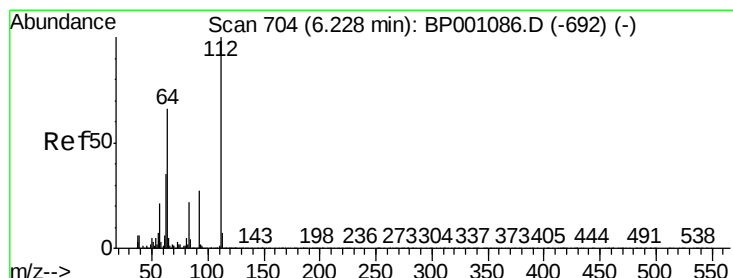
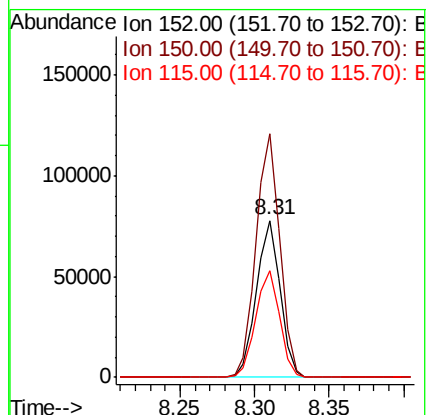
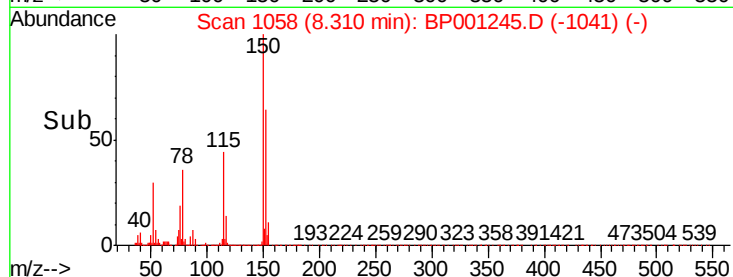
115 67.9 56.0 84.0



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: 47.000 ng

RT: 6.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

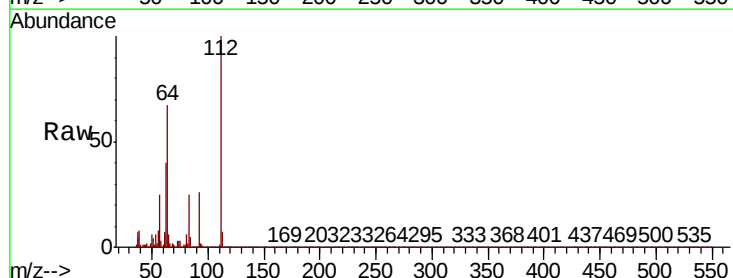
Tgt Ion:112 Resp: 239145

Ion Ratio Lower Upper

112 100

64 67.1 56.8 85.2

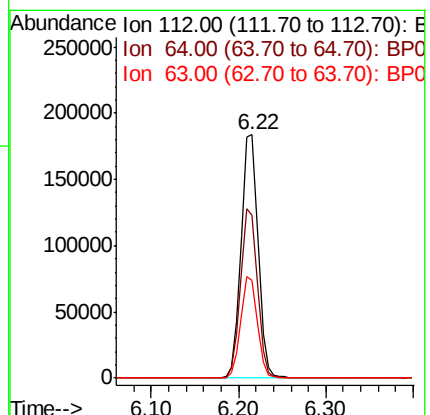
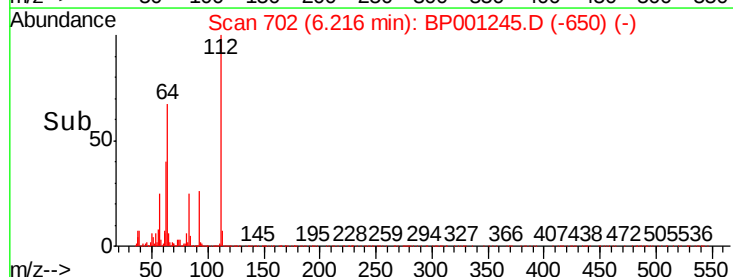
63 40.2 32.2 48.2

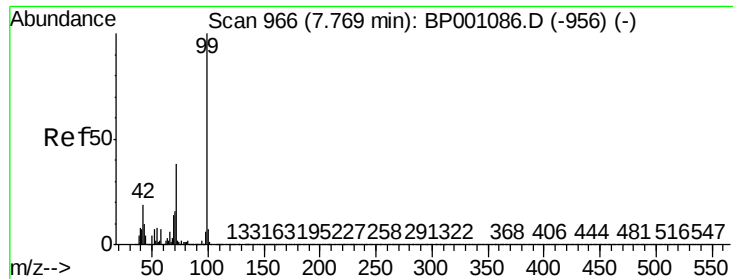


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 50.391 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA_P

ClientSampleId :

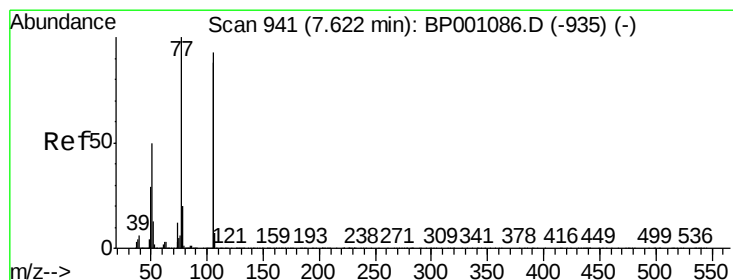
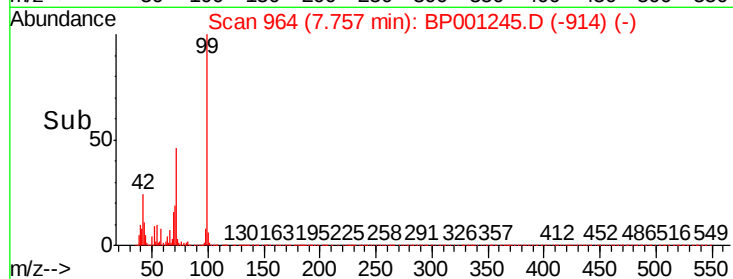
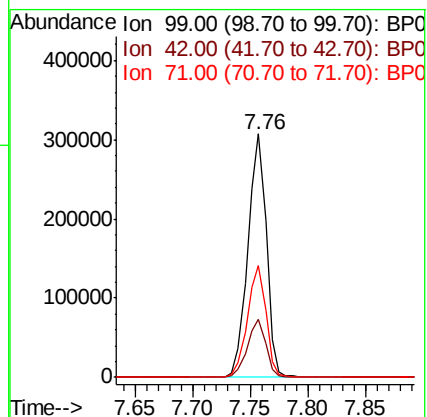
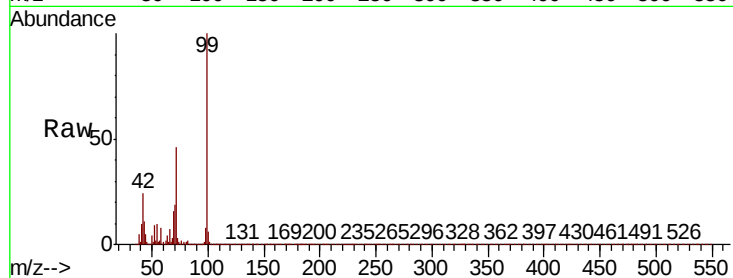
Tot Ion: 99 Resp: 341588

Ion Ratio Lower Upper

99 100

42 23.8 17.6 26.4

71 45.9 33.8 50.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

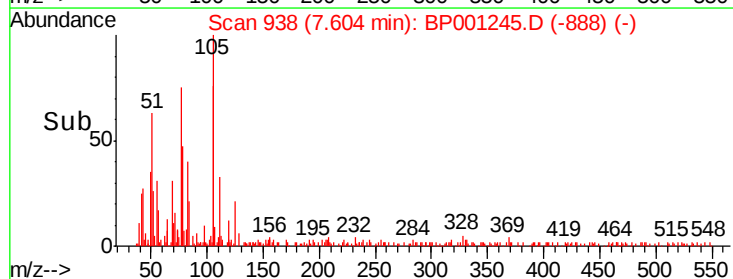
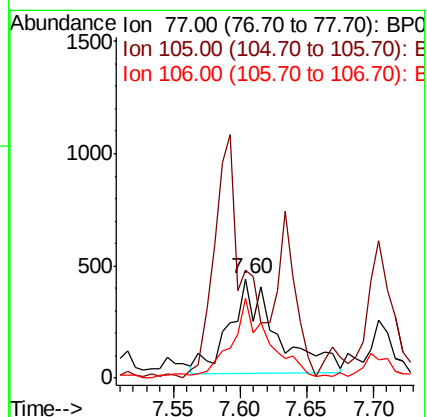
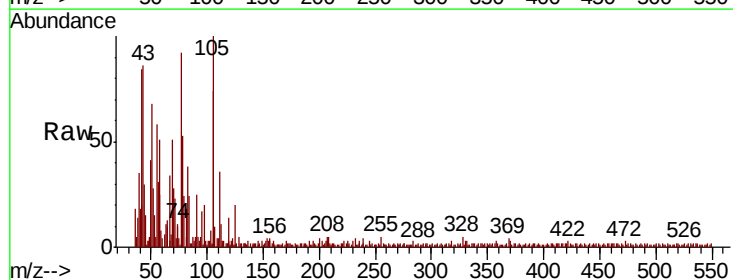
Tgt Ion: 77 Resp: 1029

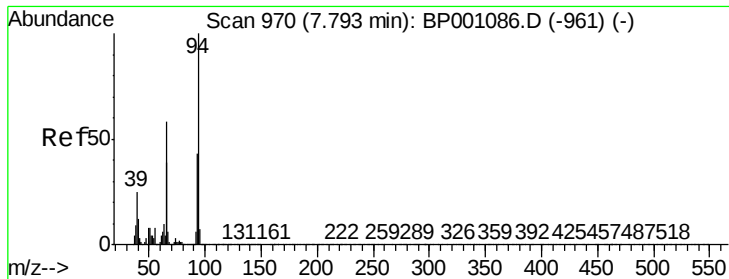
Ion Ratio Lower Upper

77 100

105 108.8 69.7 109.7

106 80.0 67.1 107.1





#10

Phenol

Concen: 2.631 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA_P

ClientSampled :

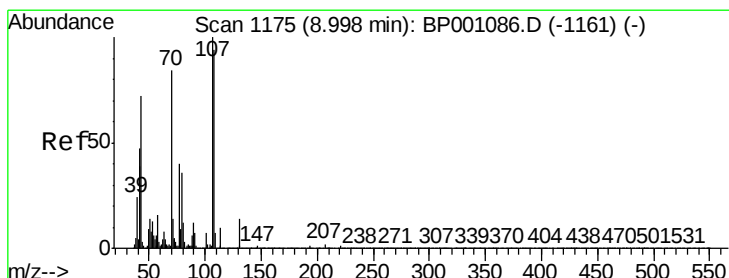
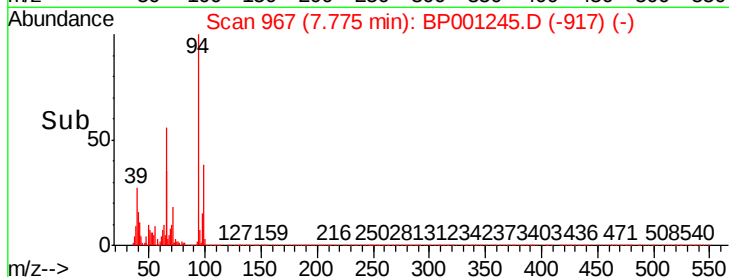
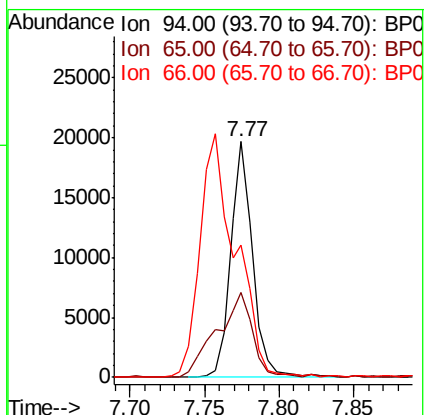
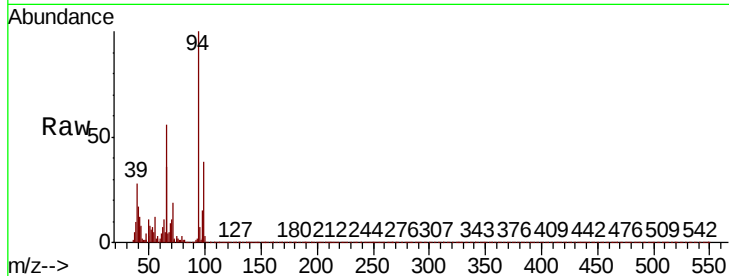
Tot Ion: 94 Resp: 20288

Ion Ratio Lower Upper

94 100

65 35.9 25.6 65.6

66 56.1 52.6 92.6



#19

n-Nitroso-di-n-propylamine

Concen: 6.611 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.21 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Tgt Ion: 70 Resp: 32336

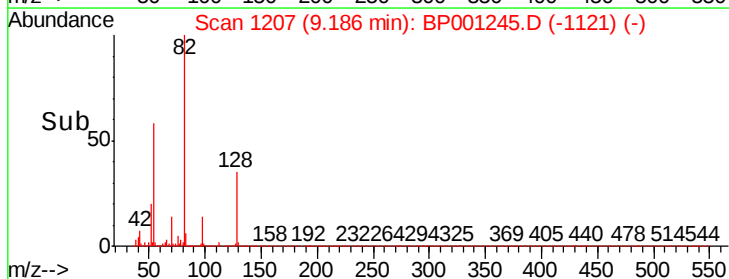
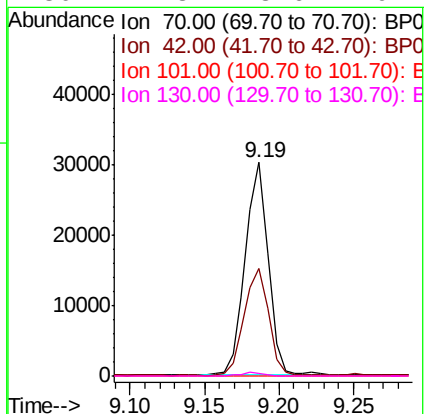
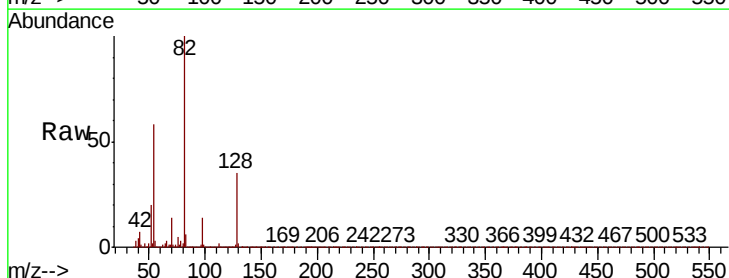
Ion Ratio Lower Upper

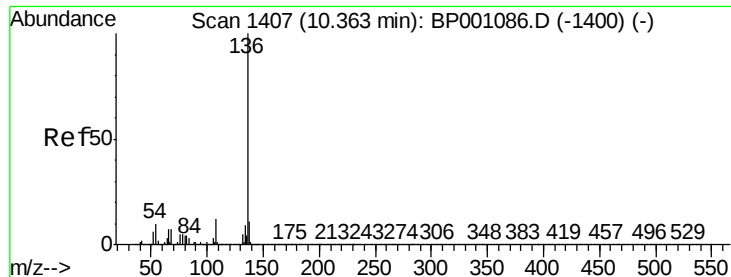
70 100

42 50.2 50.6 76.0#

101 0.1 7.1 10.7#

130 1.3 13.6 20.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA_P

ClientSampleId :

Tot Ion:136 Resp: 310298

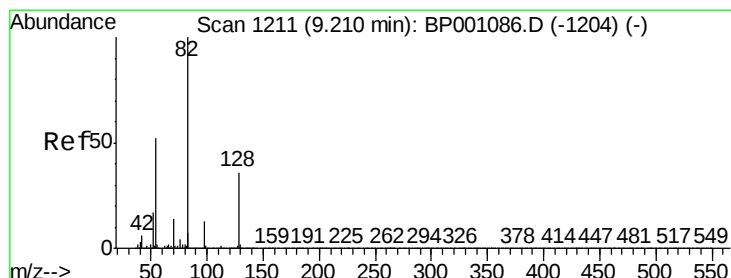
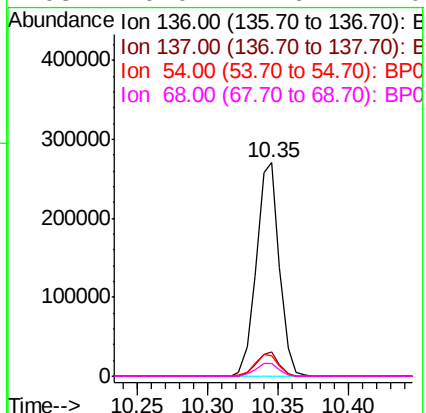
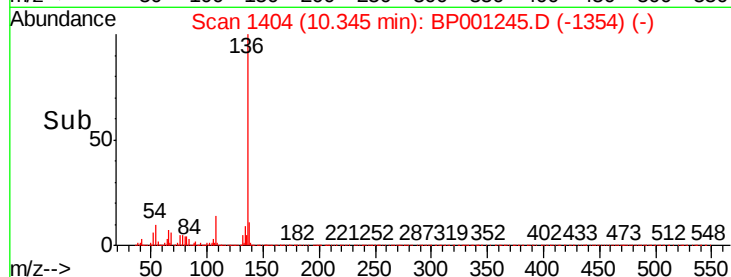
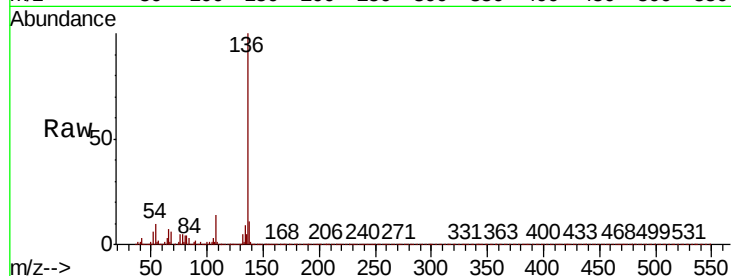
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 9.8 7.4 11.0

68 6.0 4.6 7.0



#23

Nitrobenzene-d5

Concen: 32.418 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

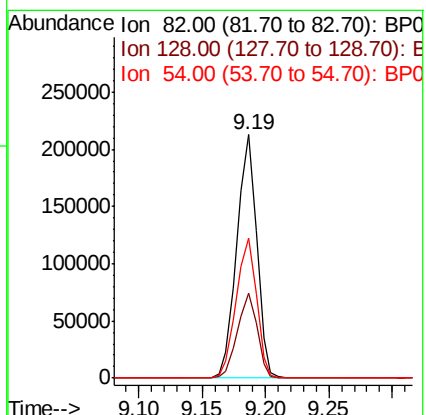
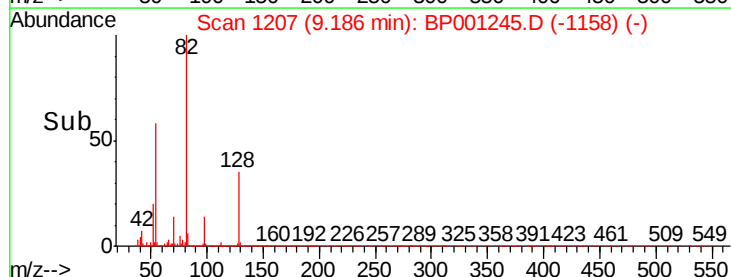
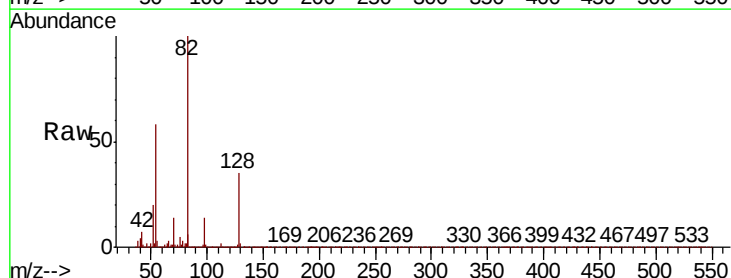
Tgt Ion: 82 Resp: 231855

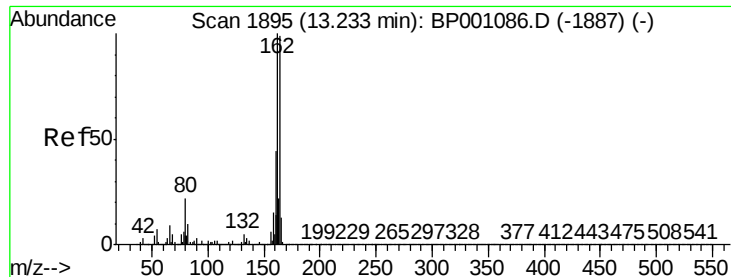
Ion Ratio Lower Upper

82 100

128 34.7 27.5 41.3

54 57.6 45.7 68.5

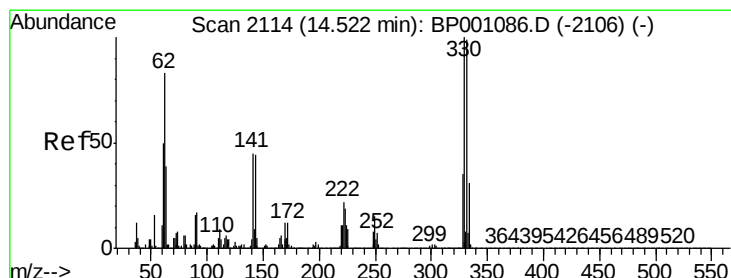
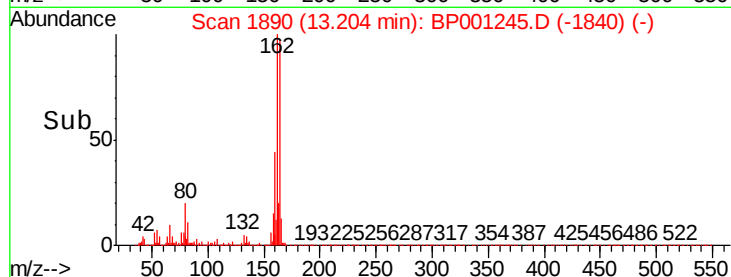
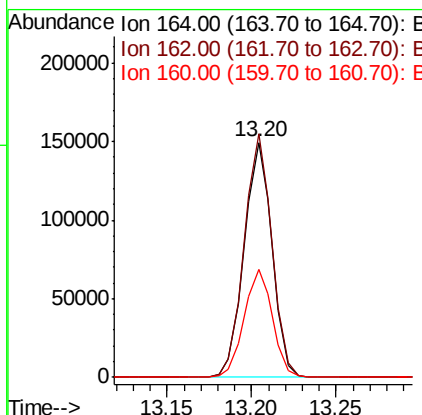
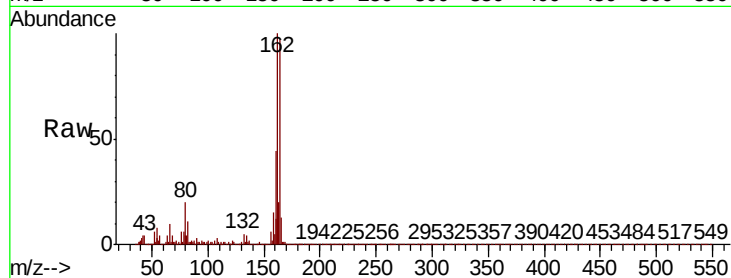




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

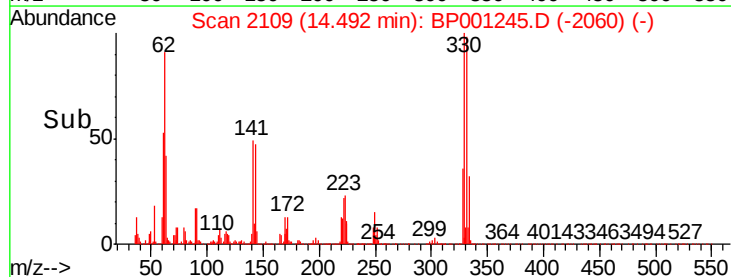
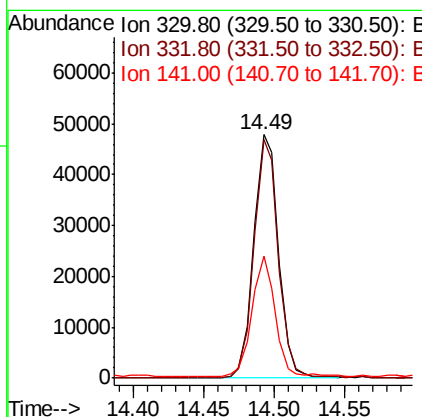
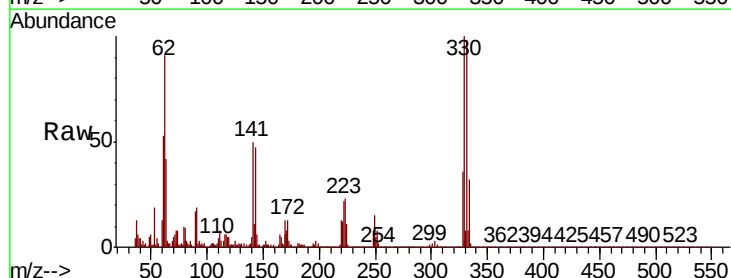
Instrument :
BNA_P
ClientSampleId :

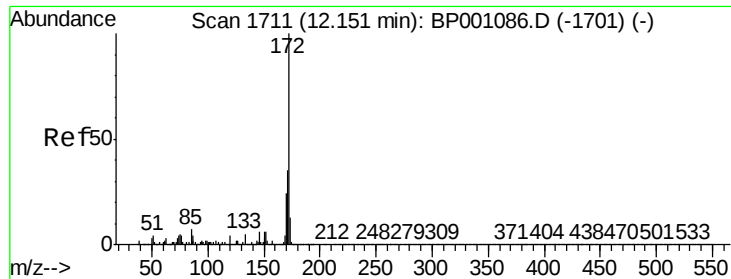
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.7	121.1
160	45.8	36.3	54.5



#42
2,4,6-Tribromophenol
Concen: 35.997 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.1	118.7
141	47.0	35.9	53.9

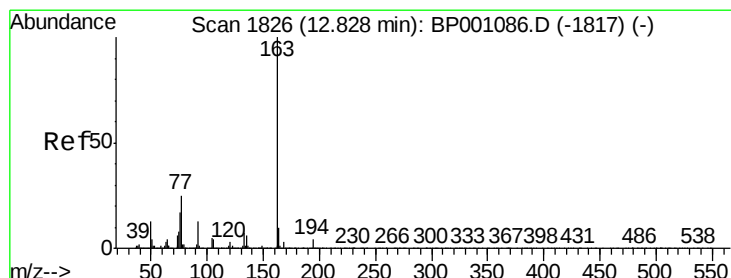
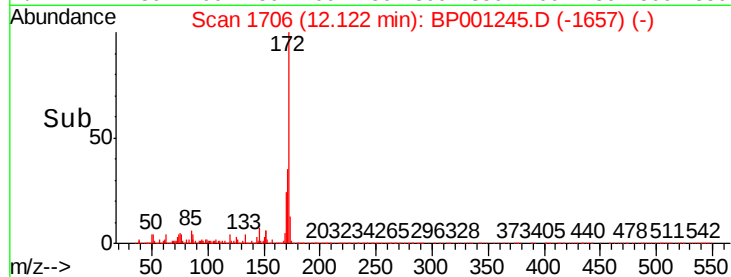
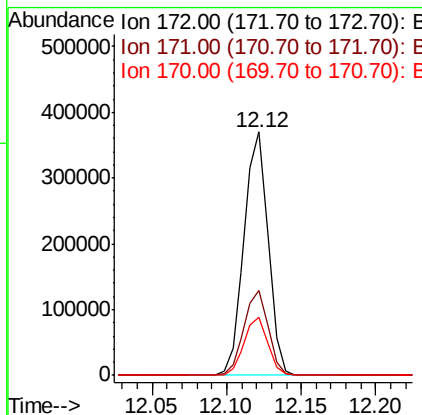
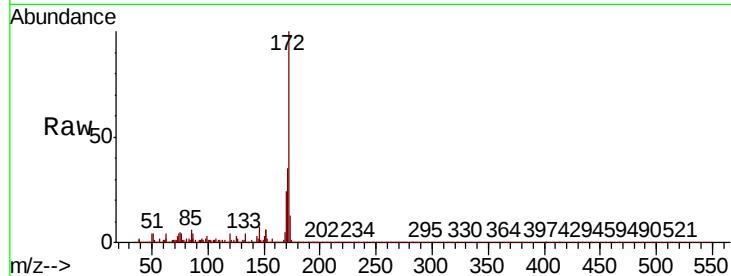




#45
2-Fluorobiphenyl
Concen: 35.288 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

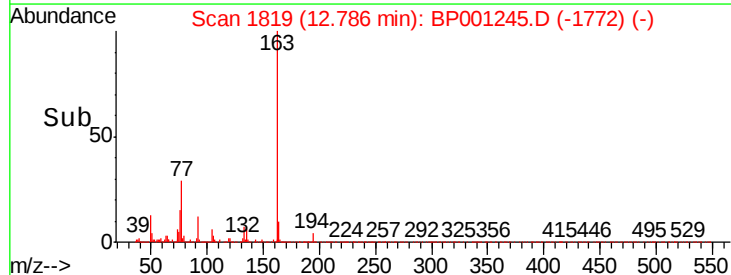
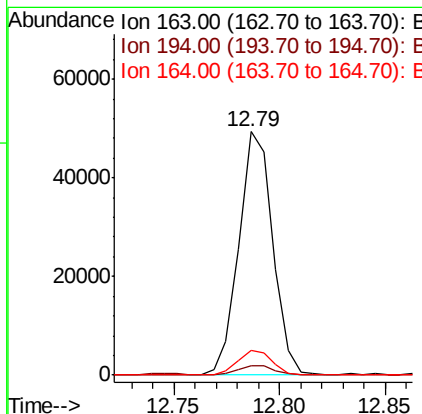
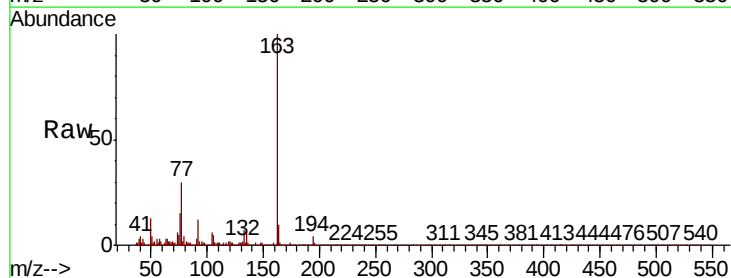
Instrument :
BNA_P
ClientSampled :

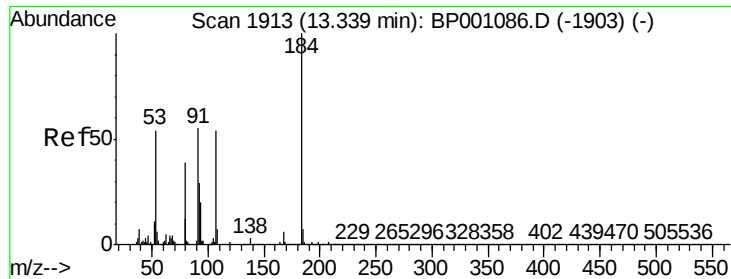
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	24.0	19.2	28.8



#50
Dimethylphthalate
Concen: 4.238 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.2	8.2	12.4

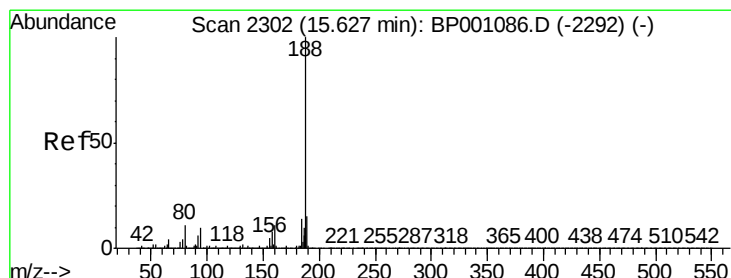
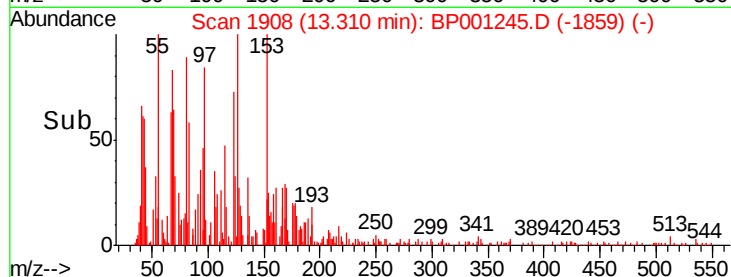
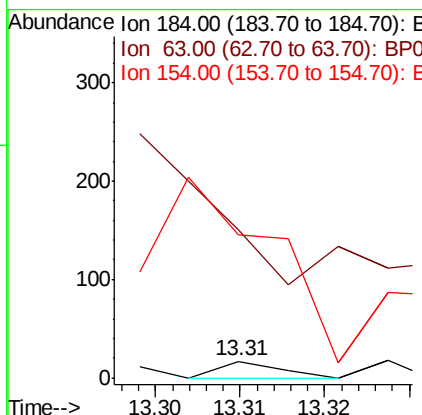
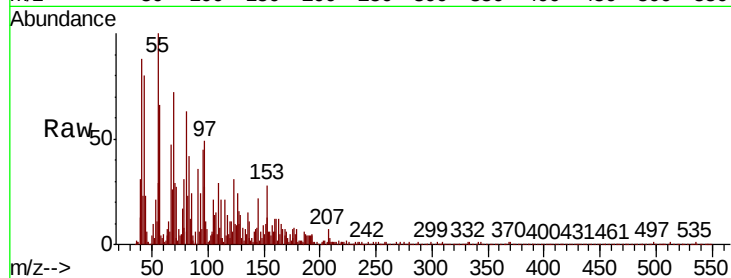




#54
2,4-Dinitrophenol
Concen: 7.116 ng
RT: 13.31 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

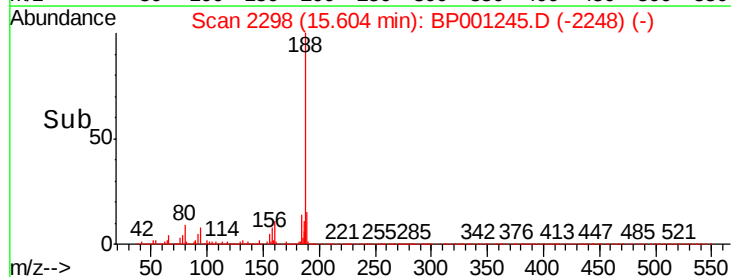
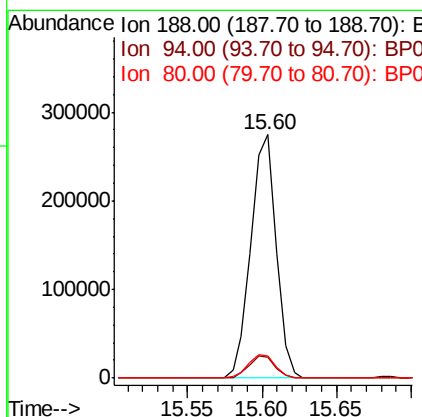
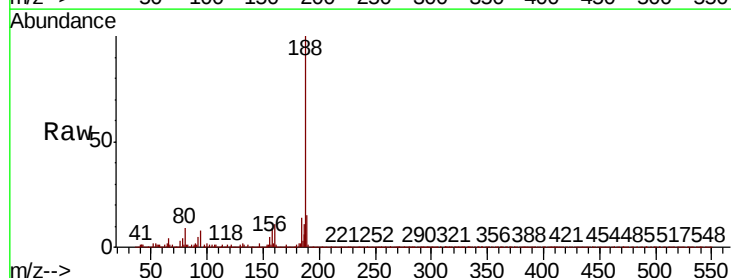
Instrument :
BNA_P
ClientSampleId :

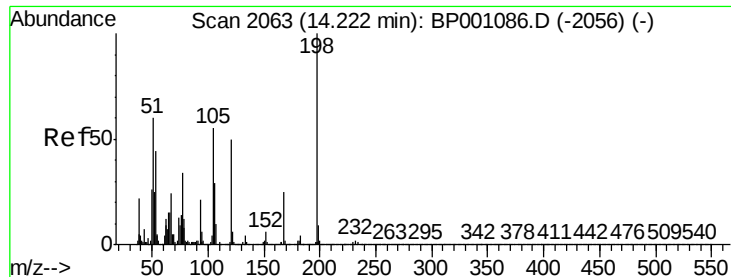
Tot Ion:184 Resp: 8
Ion Ratio Lower Upper
184 100
63 888.2 69.4 104.0#
154 852.9 57.4 86.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

Tgt Ion:188 Resp: 320072
Ion Ratio Lower Upper
188 100
94 8.5 7.1 10.7
80 8.9 7.8 11.6





#65

4,6-Dinitro-2-methylphenol

Concen: 6.284 ng

RT: 14.20 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA_P

ClientSampleId :

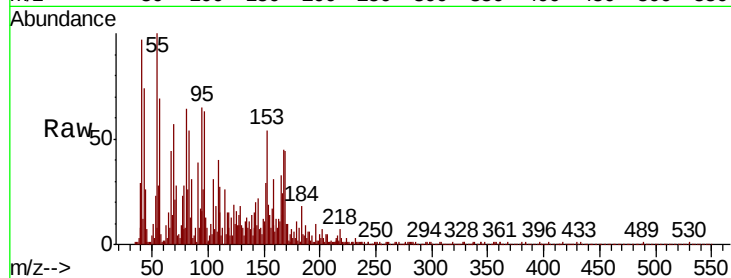
Tot Ion:198 Resp: 12

Ion Ratio Lower Upper

198 100

51 1250.0 36.2 76.2#

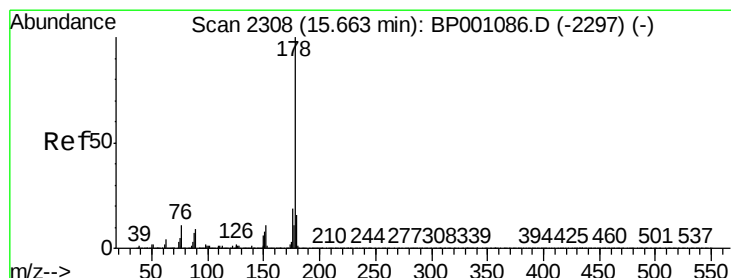
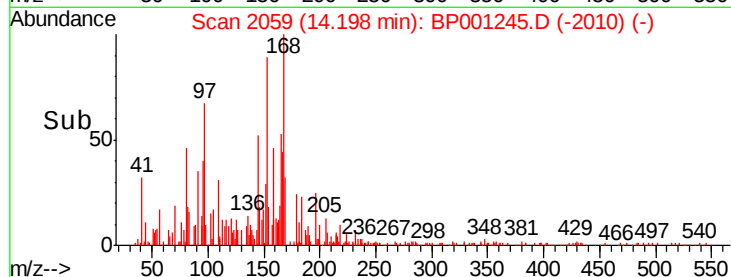
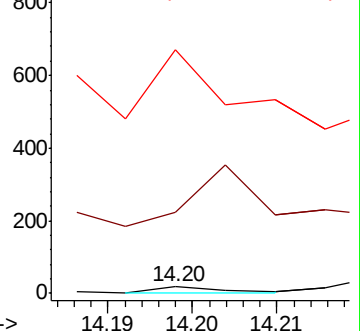
105 3727.8 30.2 70.2#



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



#71

Phenanthrene

Concen: 5.986 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

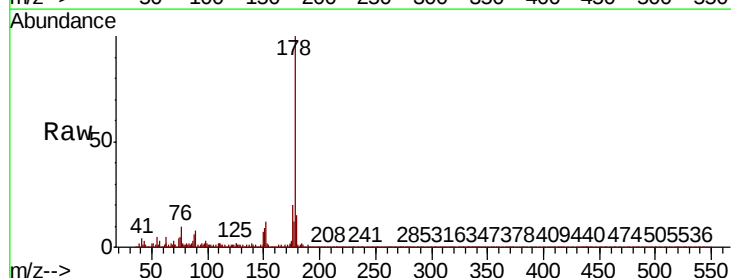
Tgt Ion:178 Resp: 100734

Ion Ratio Lower Upper

178 100

176 20.1 15.7 23.5

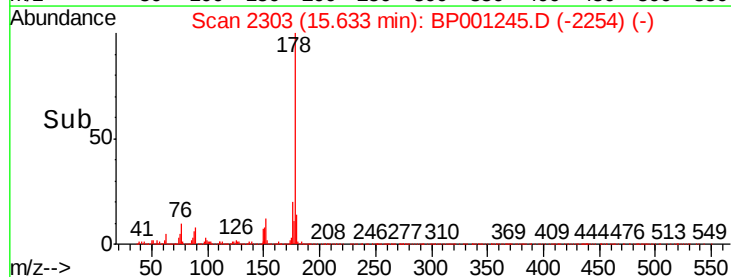
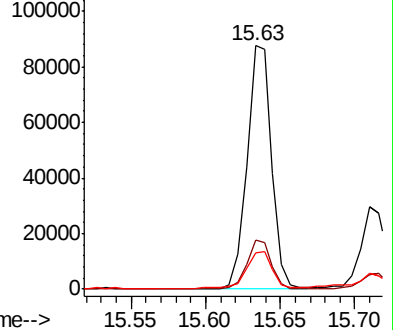
179 14.8 12.4 18.6

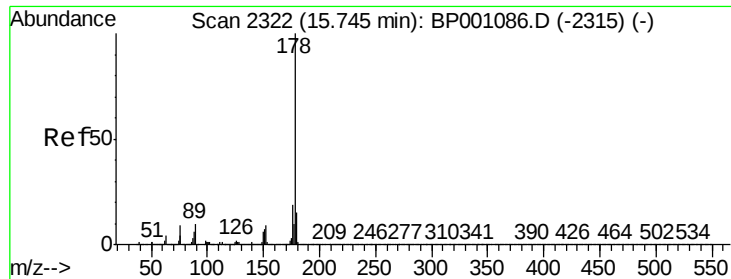


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

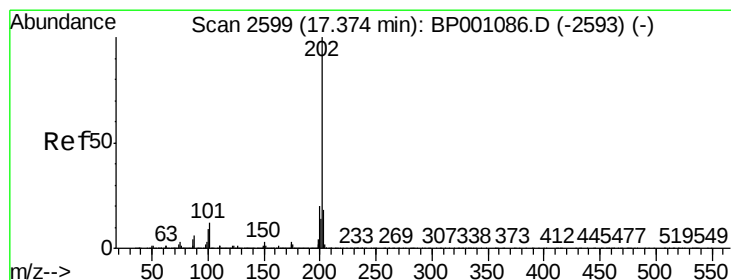
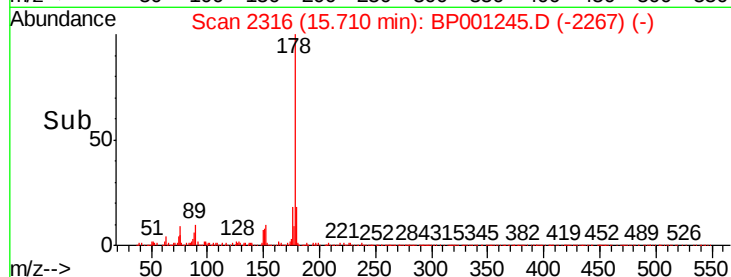
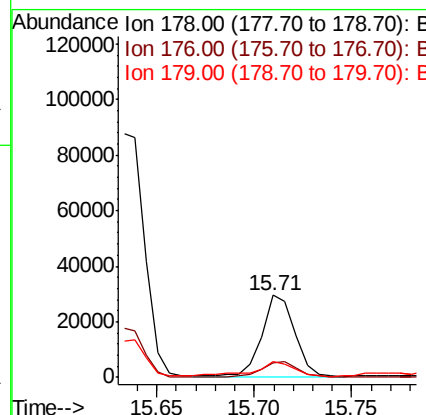
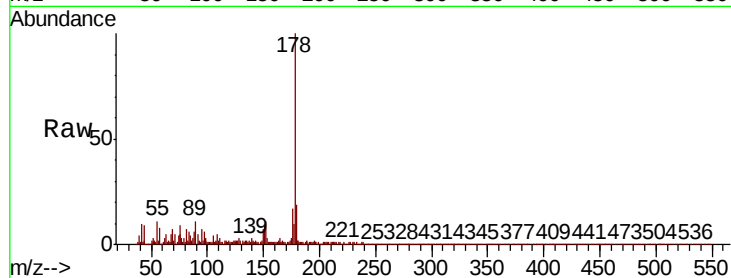




#72
 Anthracene
 Concen: 2.051 ng
 RT: 15.71 min Scan# 2316
 Delta R.T. -0.01 min
 Lab File: BP001245.D
 Acq: 06 Dec 2019 22:51

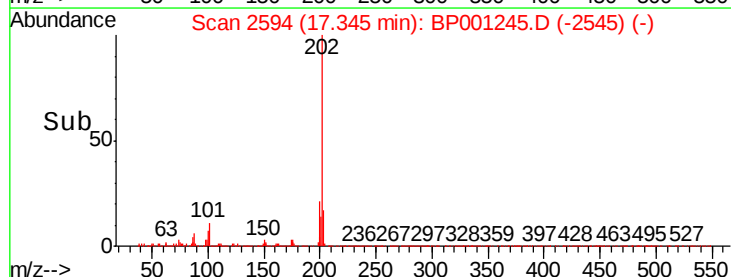
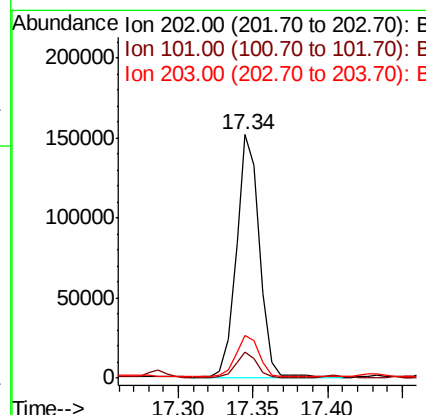
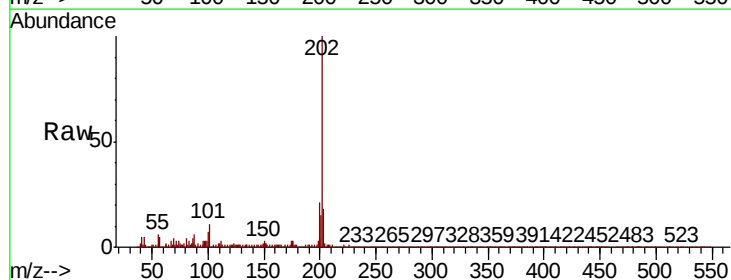
Instrument :
 BNA_P
 ClientSampled :

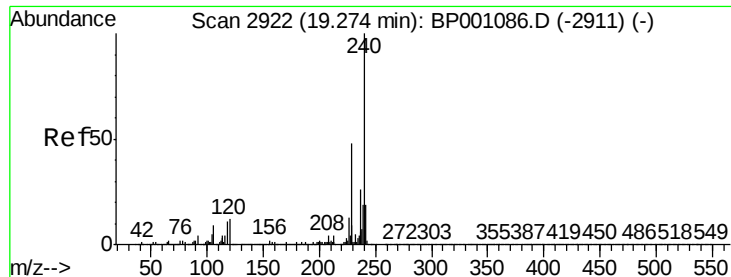
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.1	22.7
179	19.1	12.7	19.1



#75
 Fluoranthene
 Concen: 9.203 ng
 RT: 17.34 min Scan# 2594
 Delta R.T. -0.01 min
 Lab File: BP001245.D
 Acq: 06 Dec 2019 22:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.0
203	17.7	0.0	37.1

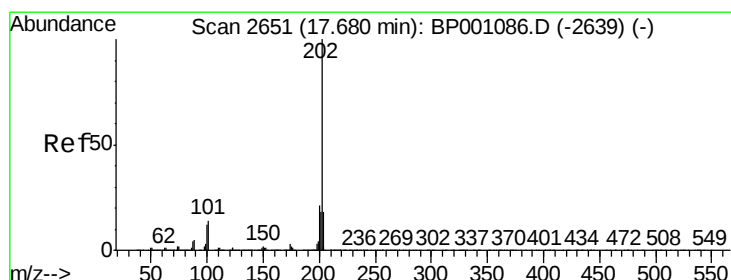
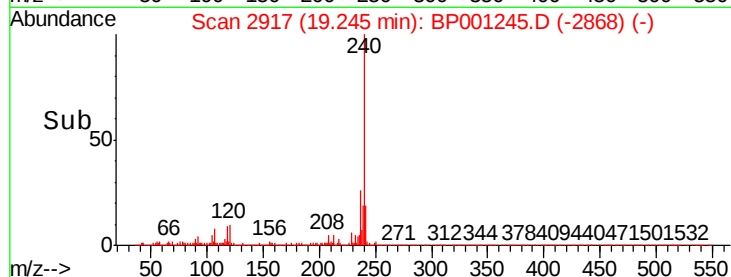
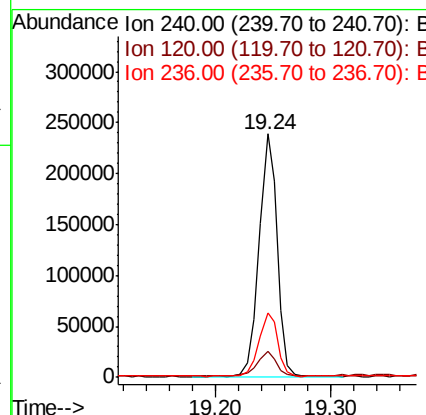
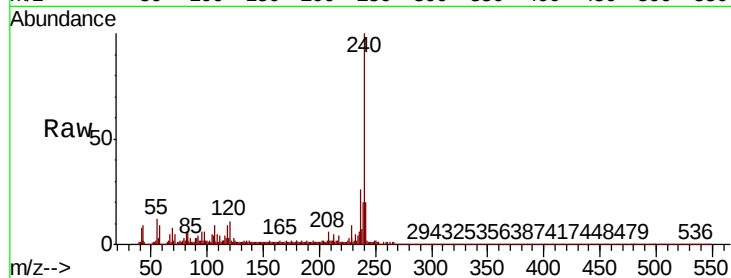




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.24 min Scan# 2917
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

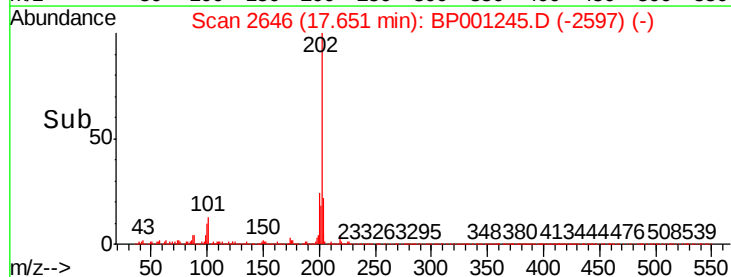
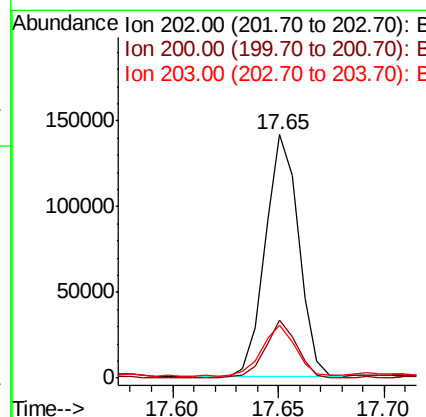
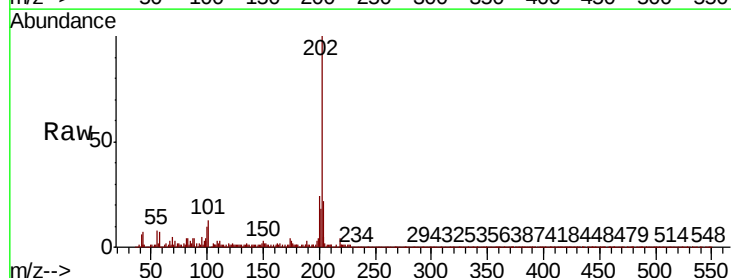
Instrument :
BNA_P
ClientSampleId :

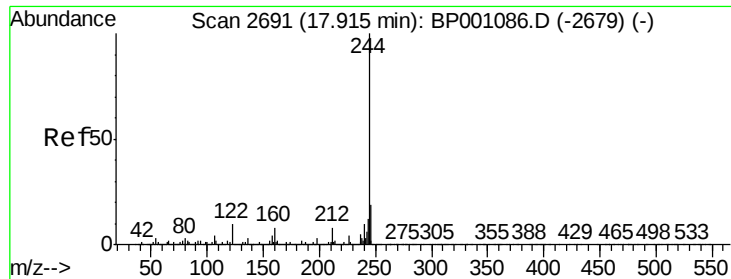
Tot Ion:240 Resp: 259885
Ion Ratio Lower Upper
240 100
120 10.6 7.0 10.6#
236 26.3 21.7 32.5



#78
Pyrene
Concen: 7.617 ng
RT: 17.65 min Scan# 2646
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

Tgt Ion:202 Resp: 155922
Ion Ratio Lower Upper
202 100
200 23.6 17.3 25.9
203 21.6 13.8 20.8#





#79

Terphenyl-d14

Concen: 34.068 ng

RT: 17.89 min Scan# 2686

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA_P

ClientSampleId :

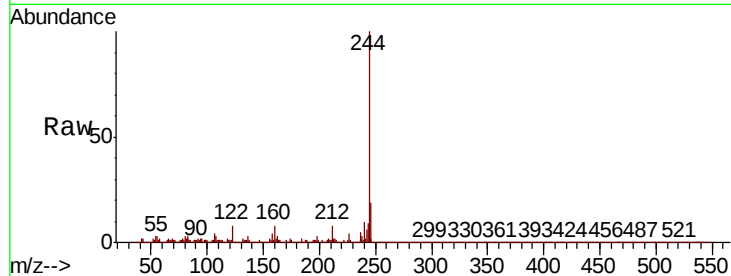
Tot Ion:244 Resp: 478557

Ion Ratio Lower Upper

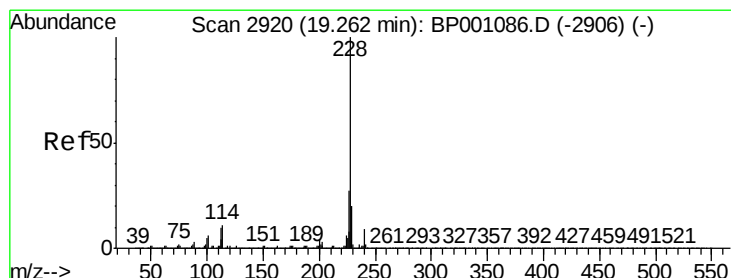
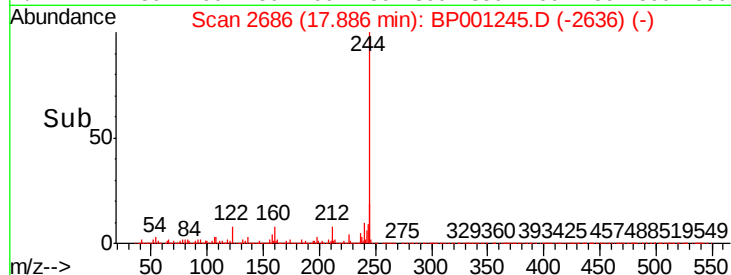
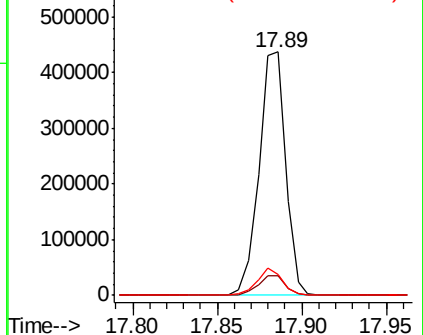
244 100

212 8.1 6.6 9.8

122 8.5 9.2 13.8#



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: 4.627 ng

RT: 19.23 min Scan# 2915

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

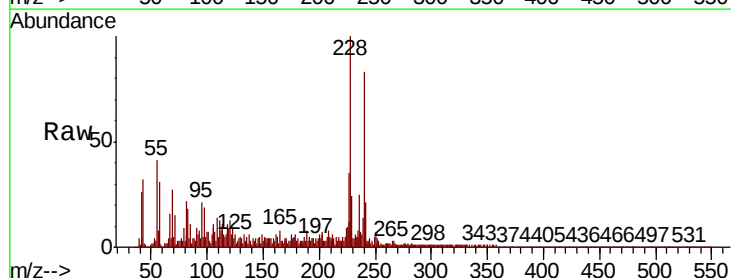
Tgt Ion:228 Resp: 83378

Ion Ratio Lower Upper

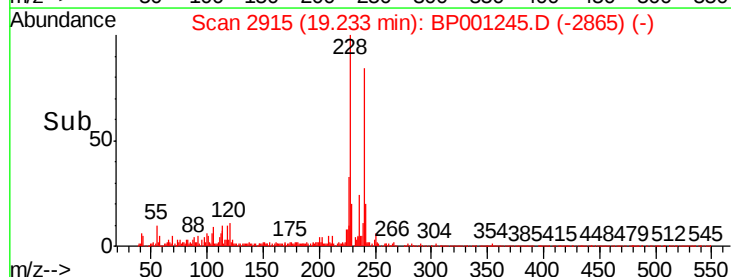
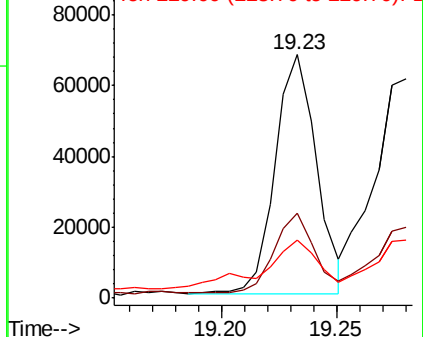
228 100

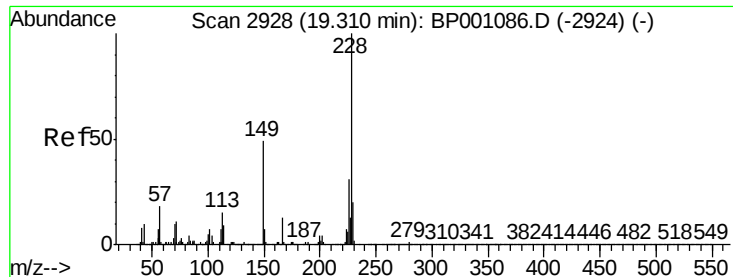
226 34.8 21.7 32.5#

229 23.9 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

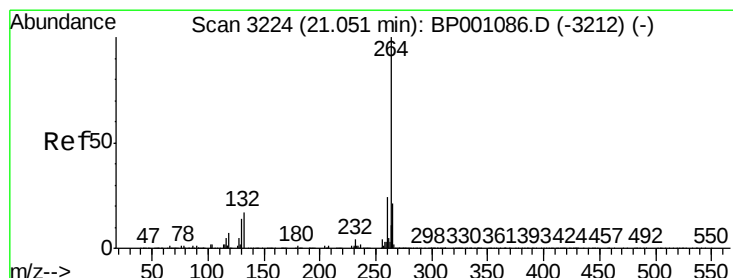
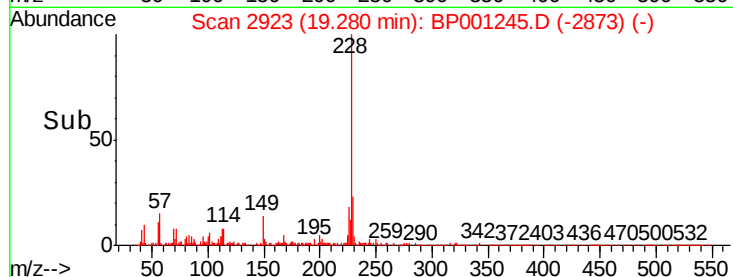
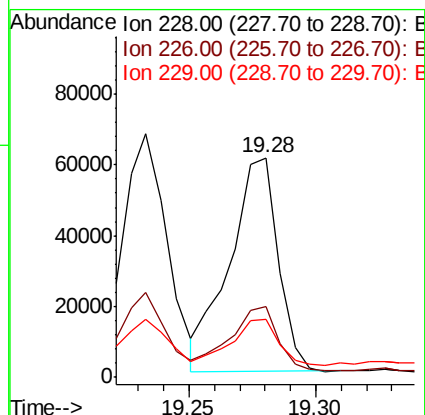
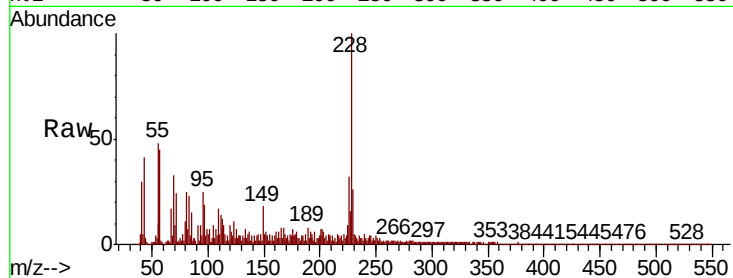




#83
Chrysene
Concen: 5.010 ng
RT: 19.28 min Scan# 2923
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

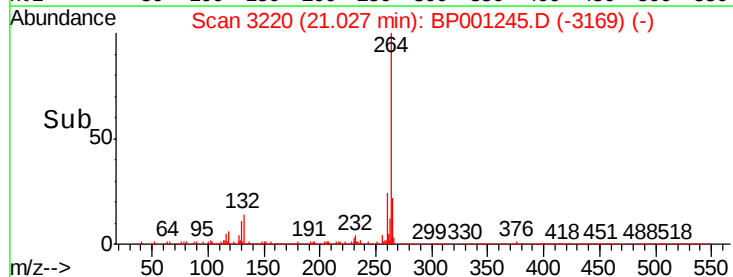
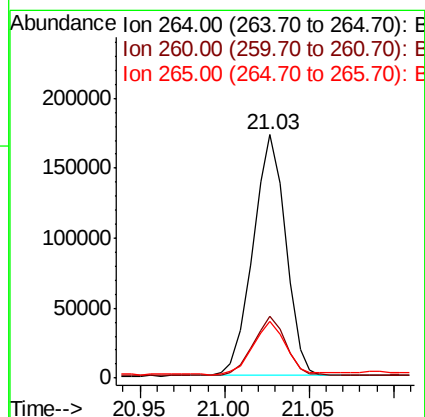
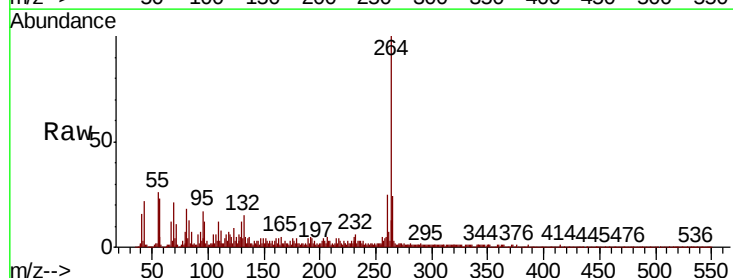
Instrument :
BNA_P
ClientSampleId :

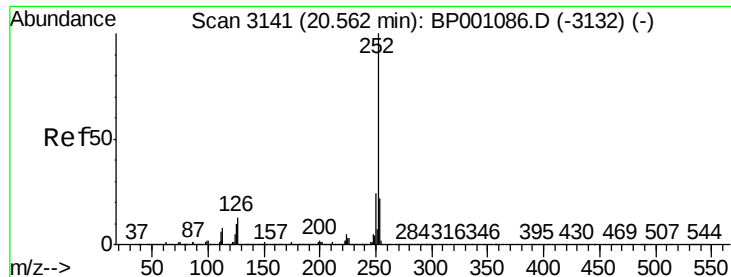
Tot Ion:228 Resp: 80832
Ion Ratio Lower Upper
228 100
226 32.1 23.7 35.5
229 26.2 15.2 22.8#



#87
Perylene-d12
Concen: 20.000 ng
RT: 21.03 min Scan# 3220
Delta R.T. -0.00 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

Tgt Ion:264 Resp: 232894
Ion Ratio Lower Upper
264 100
260 25.3 19.4 29.0
265 23.5 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 8.360 ng

RT: 20.54 min Scan# 3137

Delta R.T. -0.01 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

Instrument :

BNA_P

ClientSampleId :

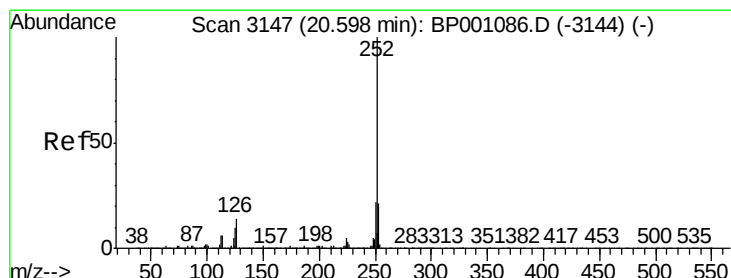
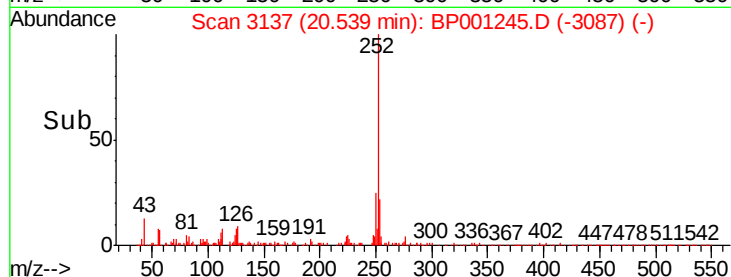
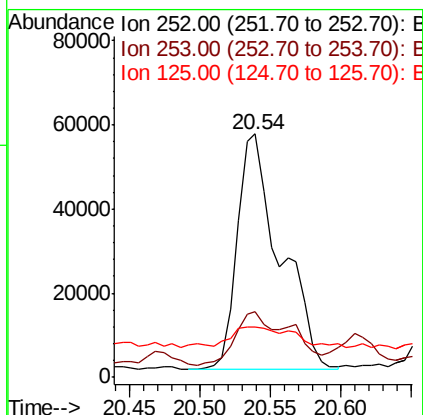
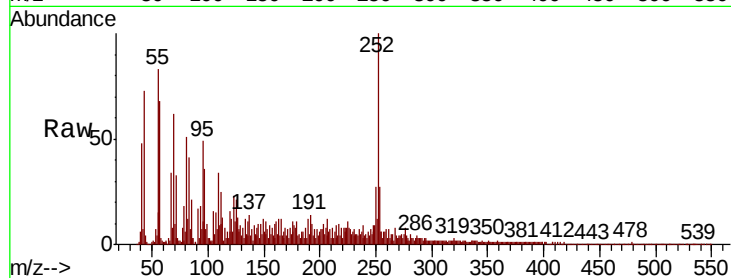
Tot Ion:252 Resp: 118921

Ion Ratio Lower Upper

252 100

253 26.9 17.0 25.6#

125 20.8 6.6 9.8#



#89

Benzo(k)fluoranthene

Concen: 8.680 ng

RT: 20.54 min Scan# 3137

Delta R.T. -0.04 min

Lab File: BP001245.D

Acq: 06 Dec 2019 22:51

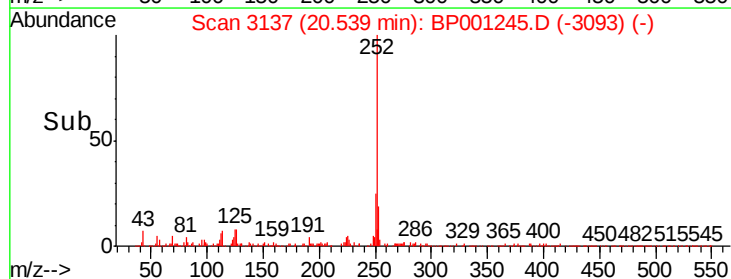
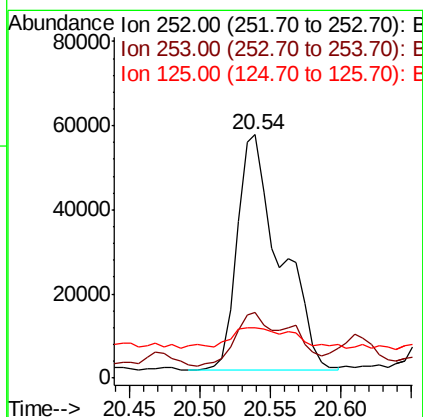
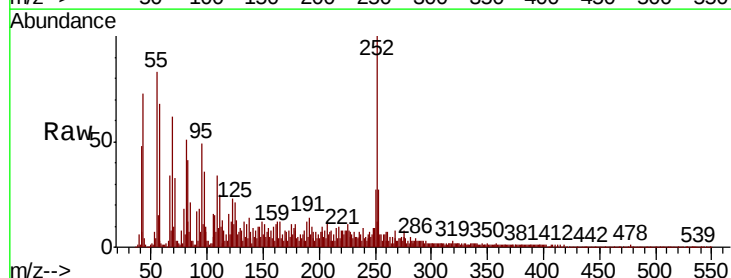
Tgt Ion:252 Resp: 118921

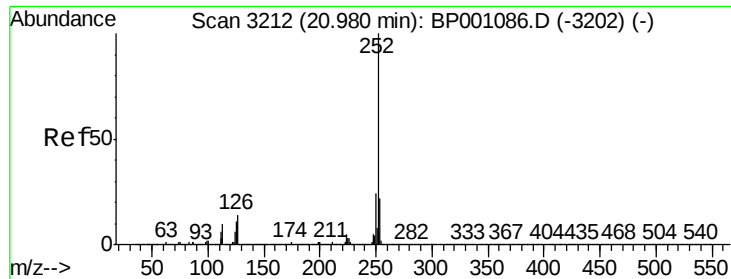
Ion Ratio Lower Upper

252 100

253 26.9 17.2 25.8#

125 20.8 6.2 9.4#

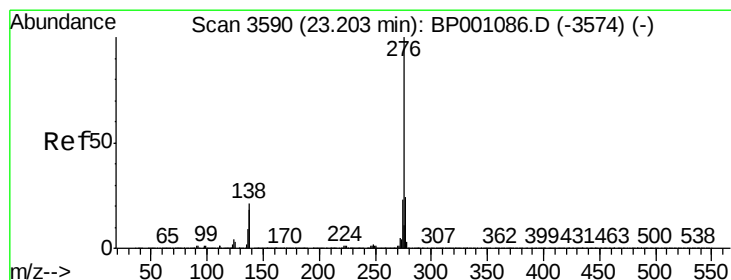
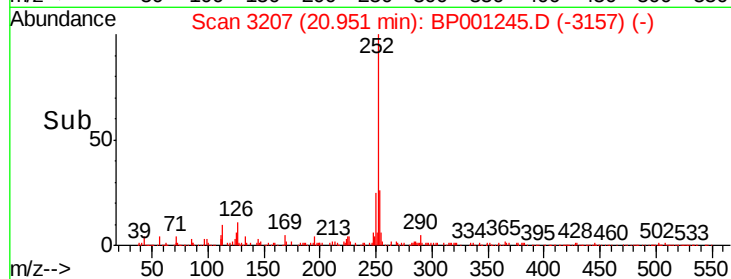
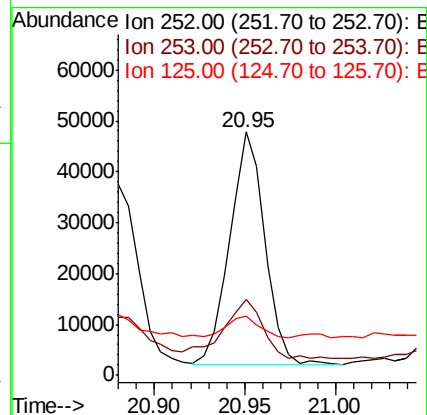
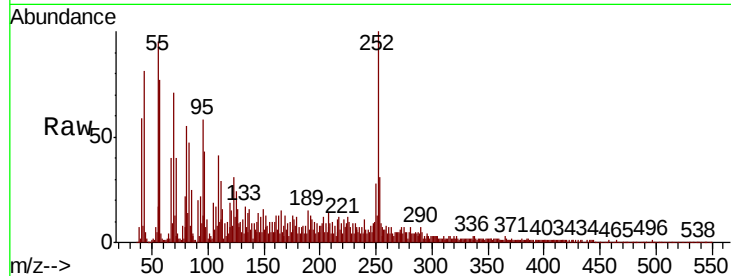




#90
Benzo(a)pyrene
Concen: 4.657 ng
RT: 20.95 min Scan# 3207
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

Instrument :
BNA_P
ClientSampleId :

Tot Ion:252 Resp: 61022
Ion Ratio Lower Upper
252 100
253 31.0 16.8 25.2#
125 24.4 7.8 11.6#



#92
Benzo(g,h,i)perylene
Concen: 2.618 ng
RT: 23.16 min Scan# 3583
Delta R.T. -0.01 min
Lab File: BP001245.D
Acq: 06 Dec 2019 22:51

Tgt Ion:276 Resp: 33143
Ion Ratio Lower Upper
276 100
277 33.4 18.6 28.0#
138 32.6 15.6 23.4#

