

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\
 Data File : BP001057.D
 Acq On : 15 Nov 2019 23:56
 Operator : JU
 Sample : K5832-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Nov 16 03:32:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.37	152	199744	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	715696	20.00	ng	-0.01
39) Acenaphthene-d10	13.25	164	414097	20.00	ng	-0.02
64) Phenanthrene-d10	15.65	188	806515	20.00	ng	-0.01
76) Chrysene-d12	19.28	240	663962	20.00	ng	-0.02
87) Perylene-d12	21.06	264	714103	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	1258636	114.69	ng	0.01
7) Phenol-d6	7.82	99	1726512	124.41	ng	0.00
23) Nitrobenzene-d5	9.25	82	1098883	84.93	ng	-0.01
42) 2,4,6-Tribromophenol	14.55	330	595397	120.44	ng	-0.01
45) 2-Fluorobiphenyl	12.17	172	2346431	85.34	ng	-0.01
79) Terphenyl-d14	17.93	244	2885734	86.45	ng	-0.01

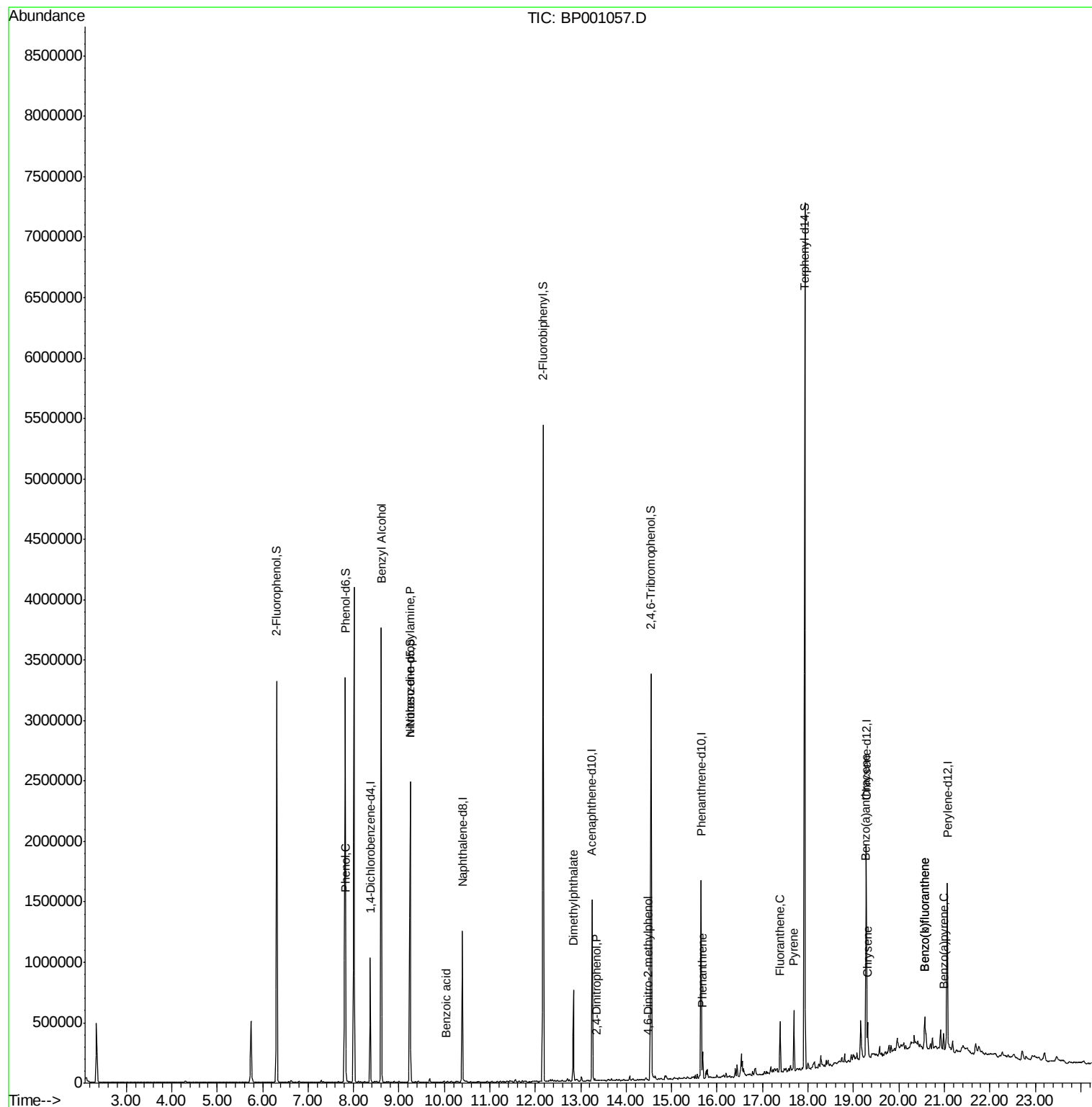
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.83	94	56016	3.690	ng	90
15) Benzyl Alcohol	8.61	79	22266	2.106	ng	# 51
19) n-Nitroso-di-n-propylamine	9.25	70	150762	18.093	ng	# 78
32) Benzoic acid	10.04	122	49	7.675	ng	# 82
50) Dimethylphthalate	12.84	163	387785	12.664	ng	99
54) 2,4-Dinitrophenol	13.35	184	20	8.317	ng	# 1
65) 4,6-Dinitro-2-methylphenol	14.48	198	71	9.904	ng	# 1
71) Phenanthrene	15.68	178	100236	2.428	ng	98
75) Fluoranthene	17.39	202	208765	4.474	ng	99
78) Pyrene	17.69	202	235637	5.022	ng	98
81) Benzo(a)anthracene	19.27	228	114446	2.559	ng	93
83) Chrysene	19.32	228	136422	3.475	ng	98
88) Benzo(b)fluoranthene	20.57	252	229011	5.380	ng	99
89) Benzo(k)fluoranthene	20.57	252	229011	5.715	ng	99
90) Benzo(a)pyrene	20.99	252	88065	2.250	ng	99

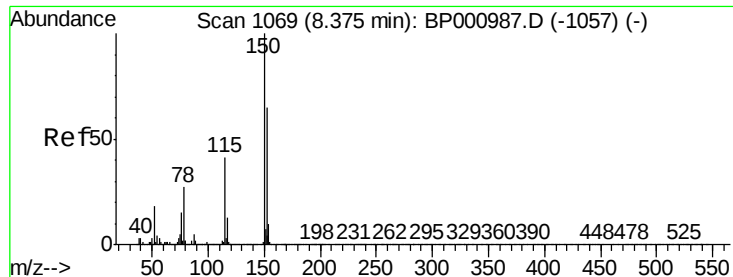
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.37 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

Instrument :

BNA_P

ClientSampleId :

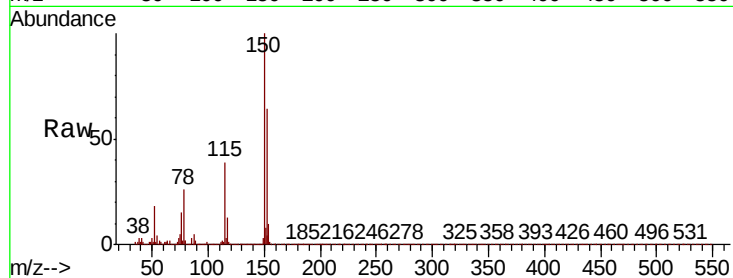
Tot Ion:152 Resp: 199744

Ion Ratio Lower Upper

152 100

150 157.4 123.6 185.4

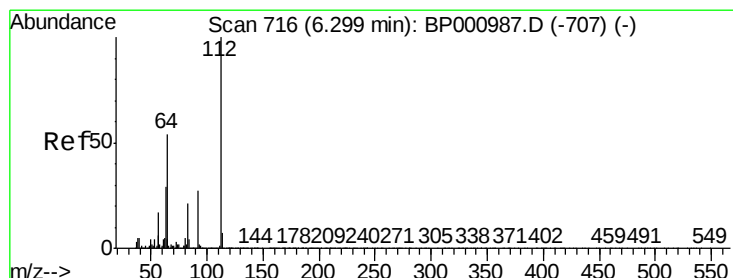
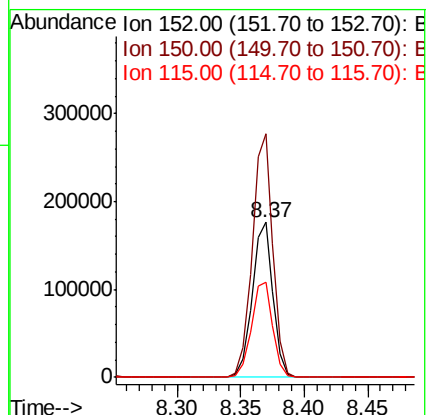
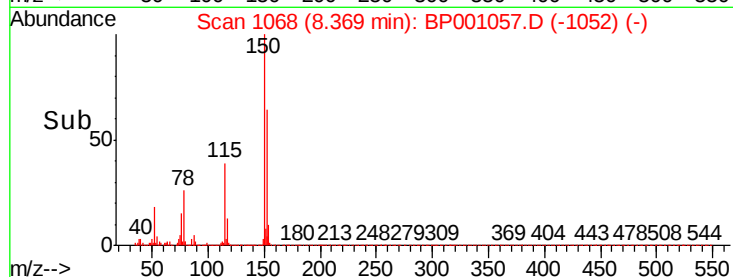
115 61.9 50.1 75.1



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: 114.694 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

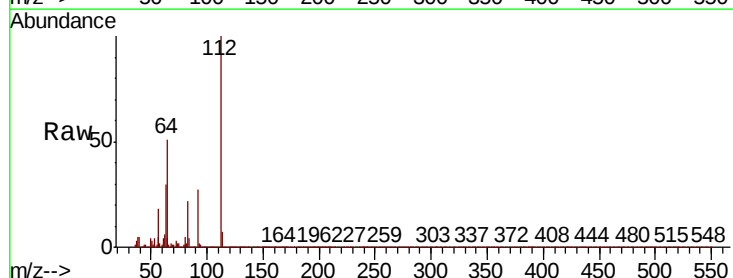
Tgt Ion:112 Resp: 1258636

Ion Ratio Lower Upper

112 100

64 50.9 43.4 65.0

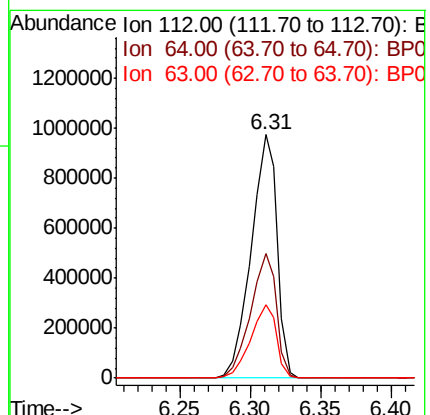
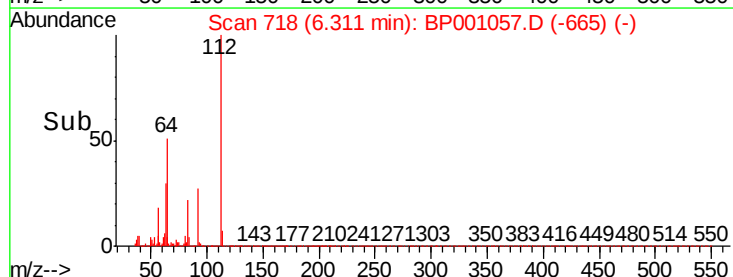
63 30.0 23.4 35.0

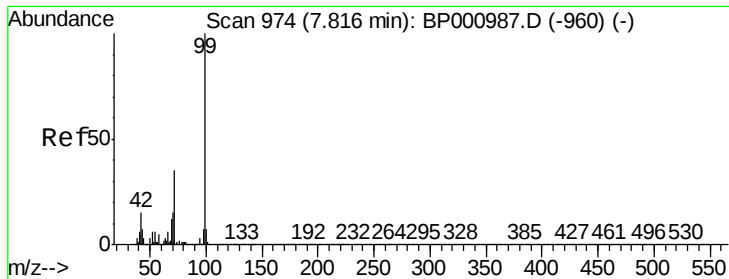


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 124.414 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.01 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

Instrument :

BNA_P

ClientSampleId :

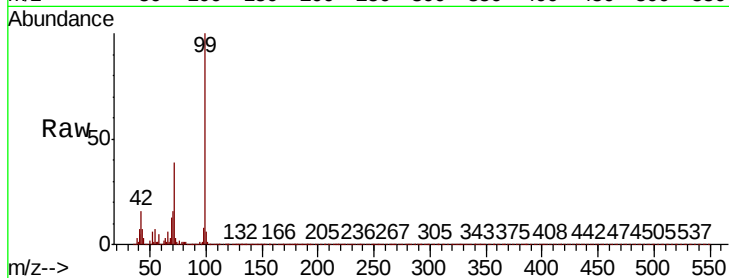
Tot Ion: 99 Resp: 1726512

Ion Ratio Lower Upper

99 100

42 15.5 11.6 17.4

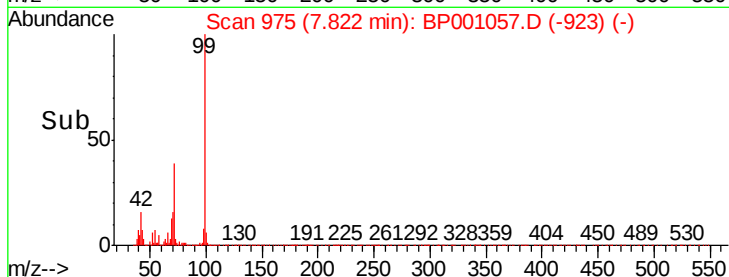
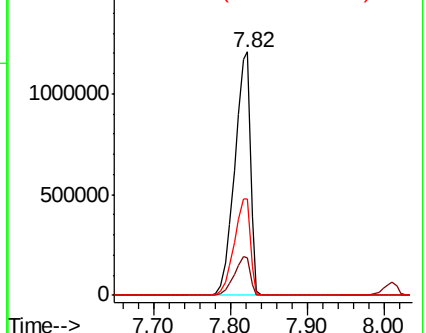
71 39.4 28.0 42.0



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: 3.690 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

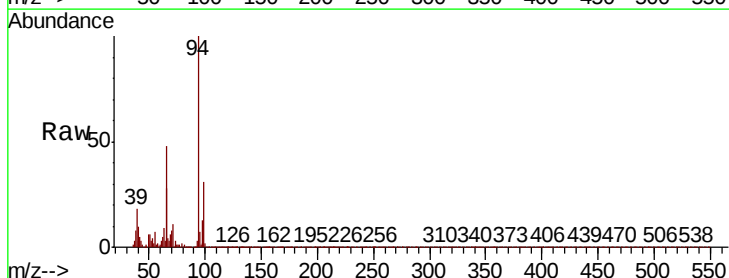
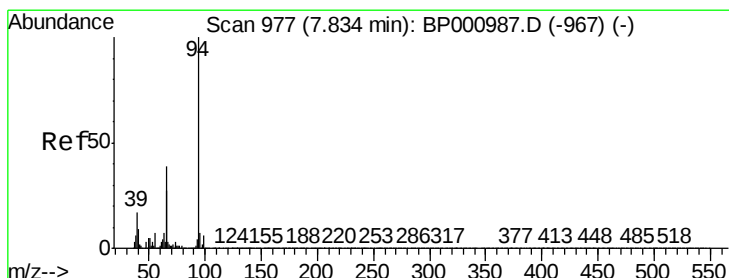
Tgt Ion: 94 Resp: 56016

Ion Ratio Lower Upper

94 100

65 28.0 6.7 46.7

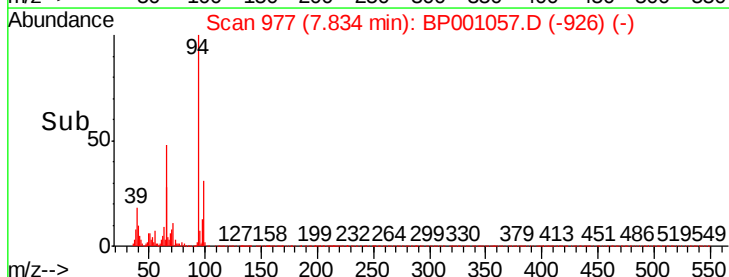
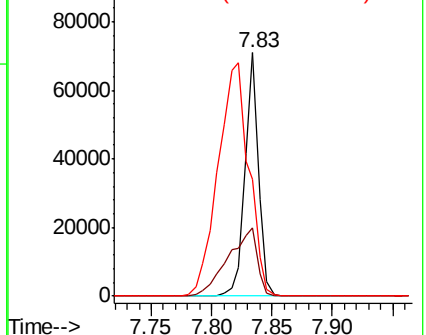
66 47.9 18.6 58.6

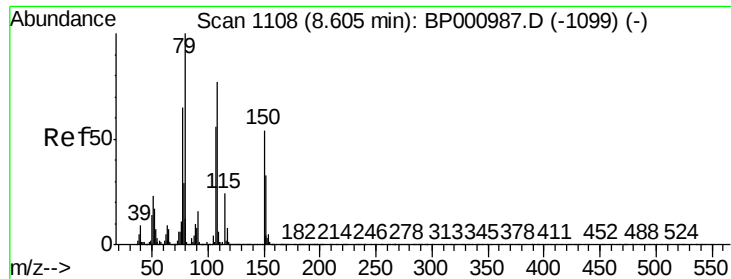


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

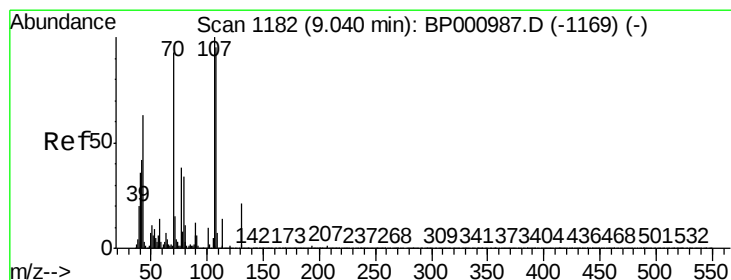
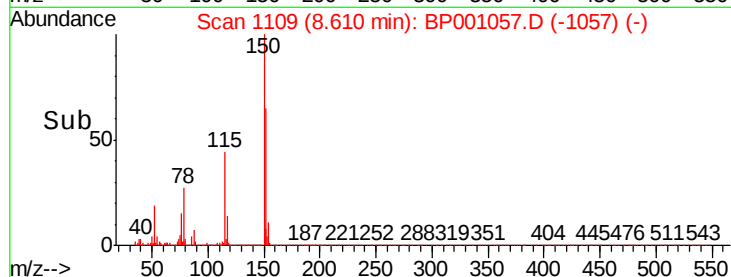
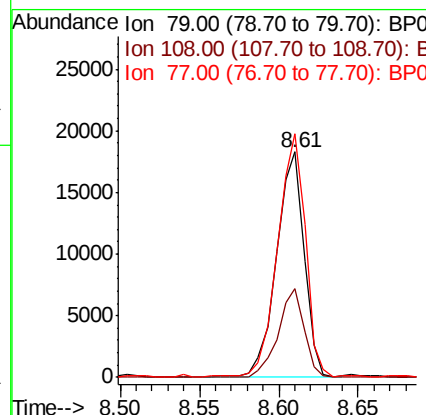
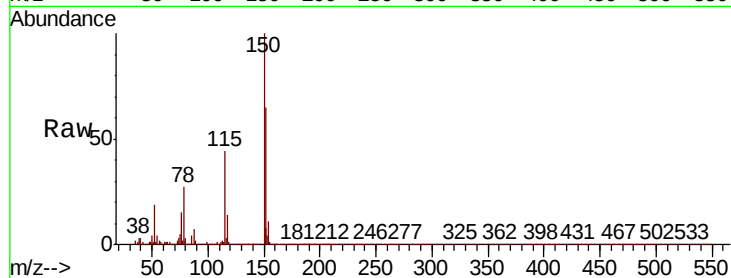




#15
Benzyl Alcohol
Concen: 2.106 ng
RT: 8.61 min Scan# 1109
Delta R.T. 0.01 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

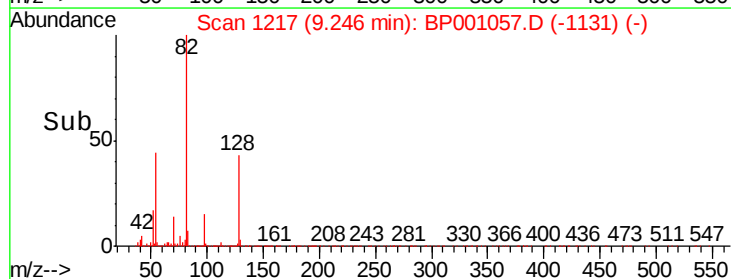
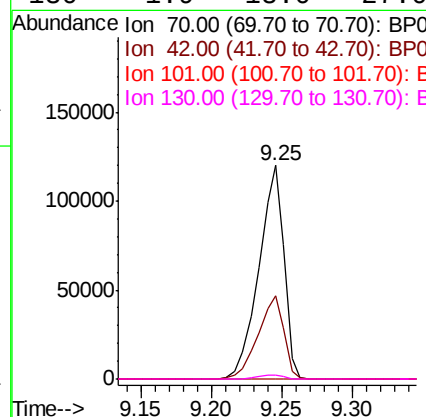
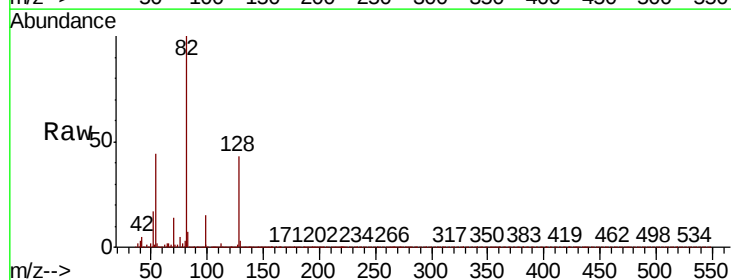
Instrument :
BNA_P
ClientSampleId :

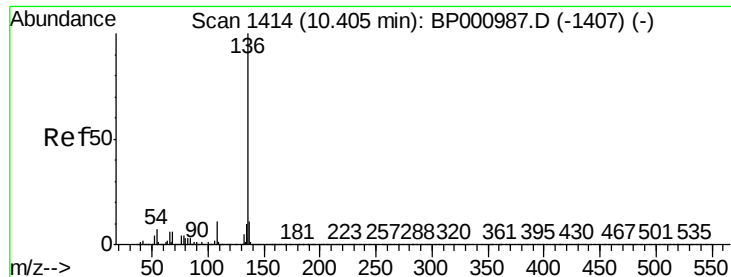
Tot Ion: 79 Resp: 22266
Ion Ratio Lower Upper
79 100
108 39.4 62.0 93.0#
77 108.1 51.9 77.9#



#19
n-Nitroso-di-n-propylamine
Concen: 18.093 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.21 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

Tgt Ion: 70 Resp: 150762
Ion Ratio Lower Upper
70 100
42 38.8 36.3 54.5
101 0.0 8.7 13.1#
130 1.9 18.0 27.0#

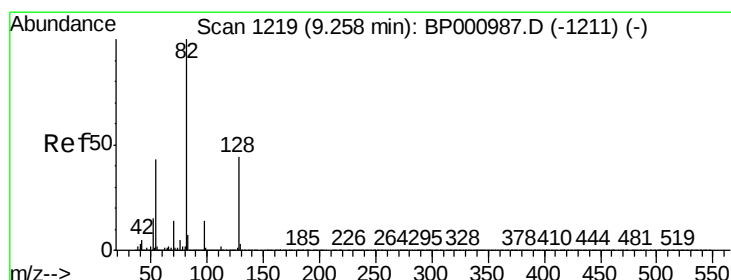
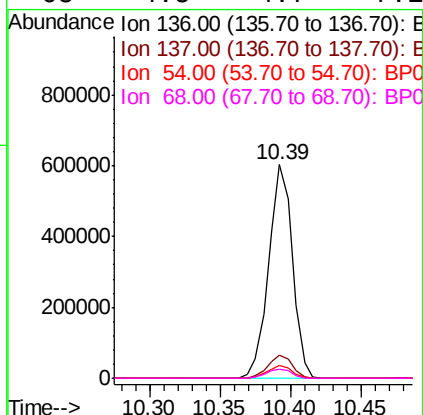
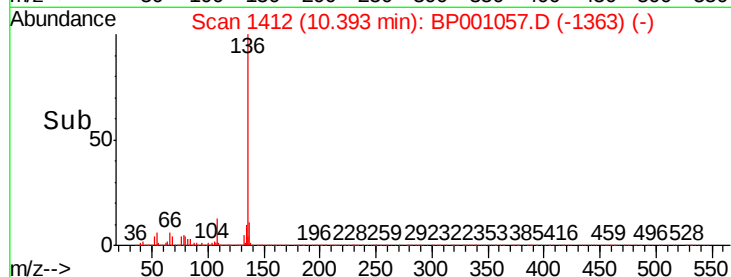
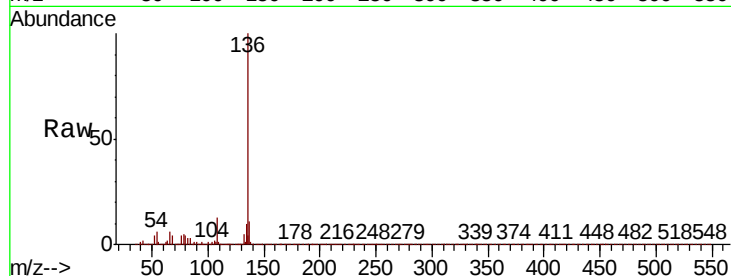




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

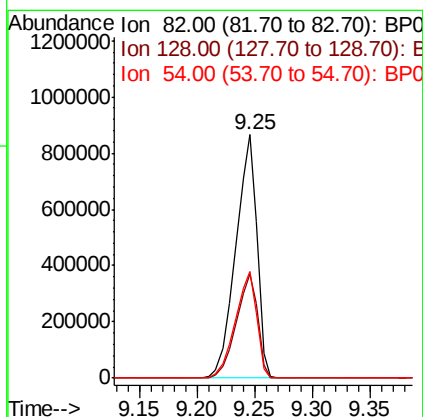
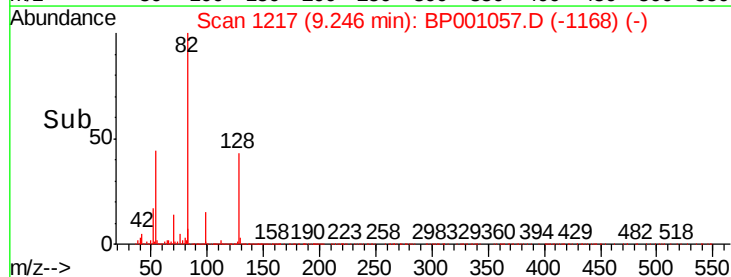
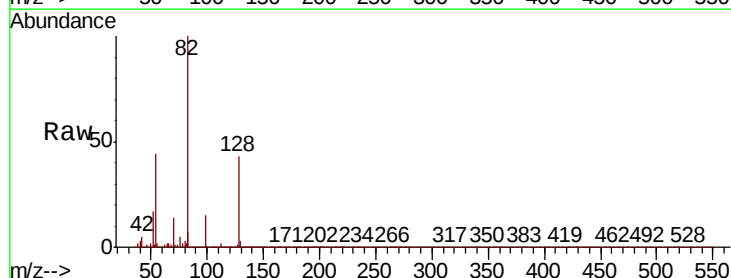
Instrument :
BNA_P
ClientSampleId :

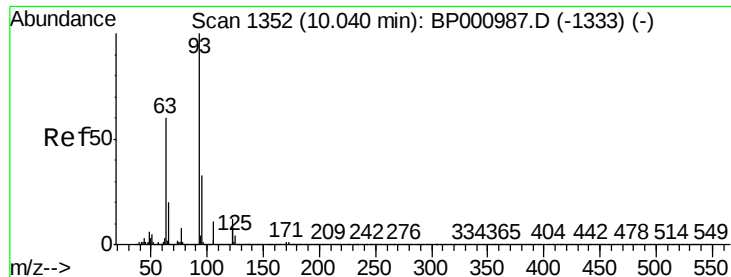
Tot Ion:136	Resp:	715696
Ion Ratio	Lower	Upper
136 100		
137 11.1	9.0	13.6
54 6.1	5.4	8.2
68 4.5	4.7	7.1#



#23
Nitrobenzene-d5
Concen: 84.933 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

Tgt Ion: 82	Resp:	1098883
Ion Ratio	Lower	Upper
82 100		
128 42.5	35.3	52.9
54 43.9	34.3	51.5

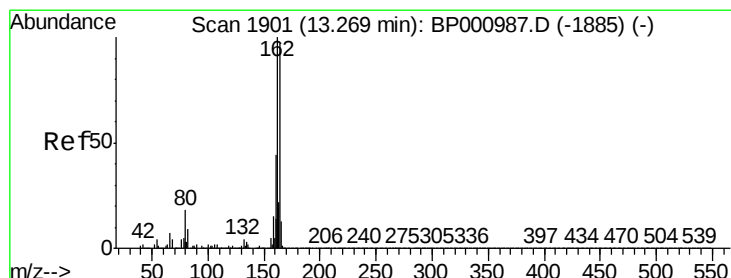
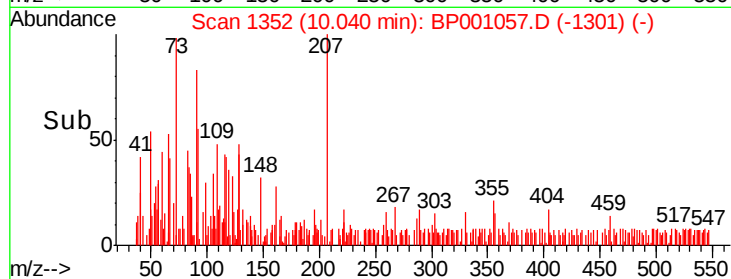
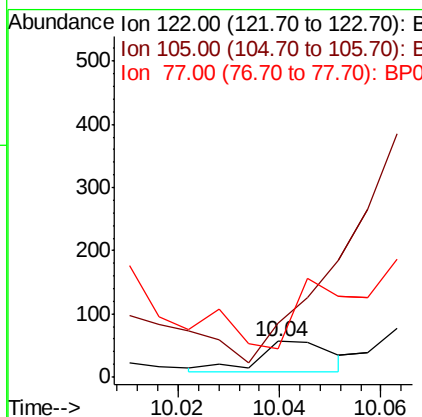
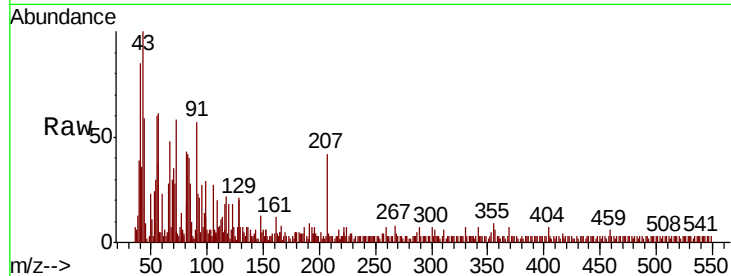




#32
Benzoic acid
Concen: 7.675 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

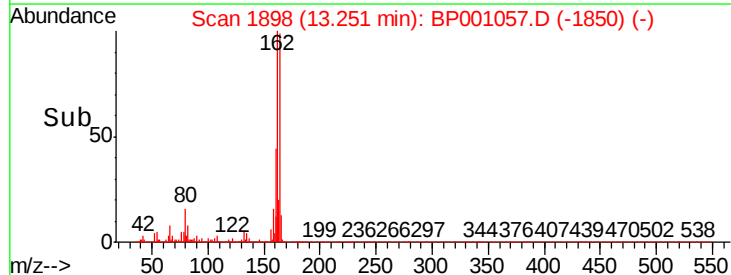
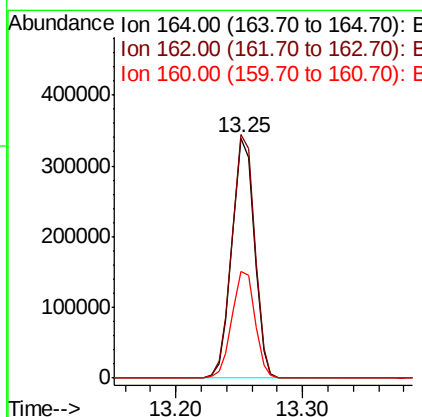
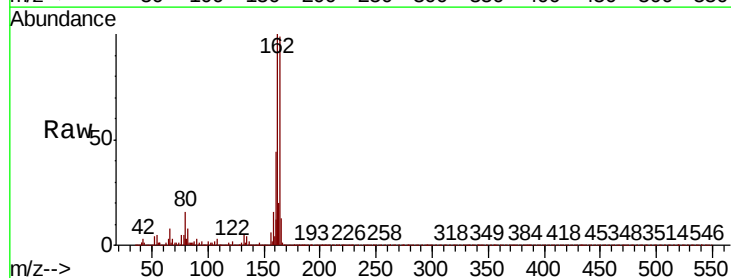
Instrument :
BNA_P
ClientSampled :

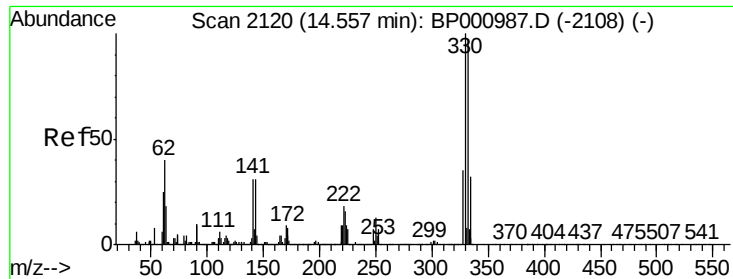
Tot Ion	Ratio	Lower	Upper
122	100		
105	151.8	110.5	150.5#
77	80.4	77.9	117.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.25 min Scan# 1898
Delta R.T. -0.02 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.6	123.8
160	44.5	36.5	54.7

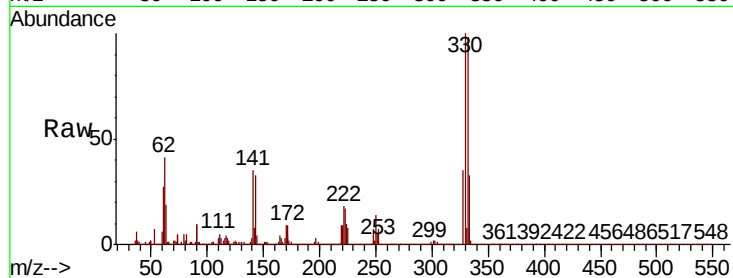




#42
2,4,6-Tribromophenol
Concen: 120.443 ng
RT: 14.55 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.3	117.5
141	32.4	25.0	37.4

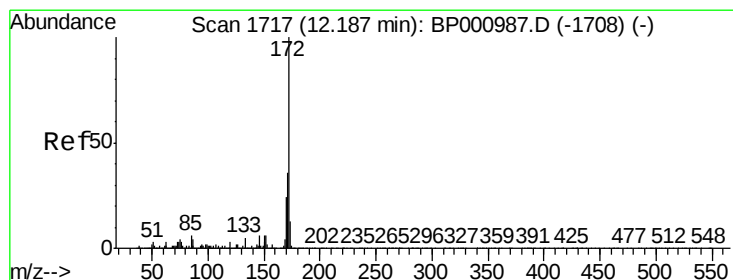
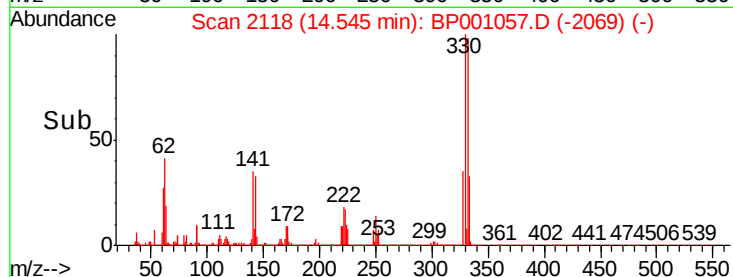
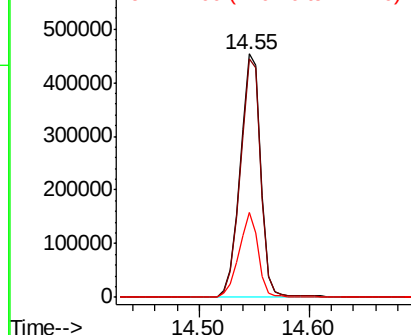


Abundance

Ion 329.80 (329.50 to 330.50): E

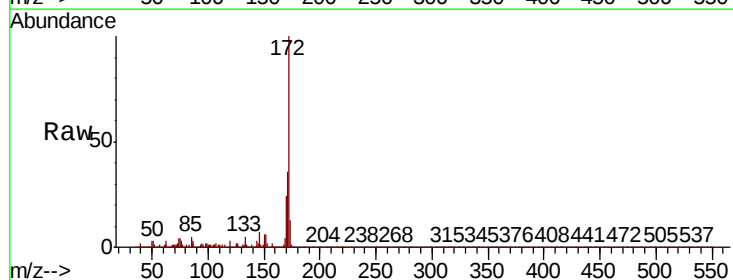
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 85.341 ng
RT: 12.17 min Scan# 1715
Delta R.T. -0.01 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.5	42.7
170	23.6	18.9	28.3

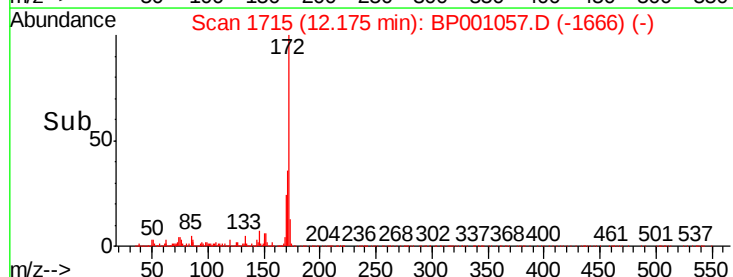
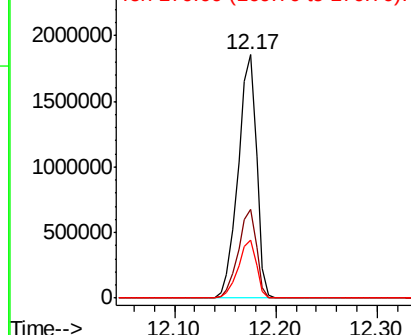


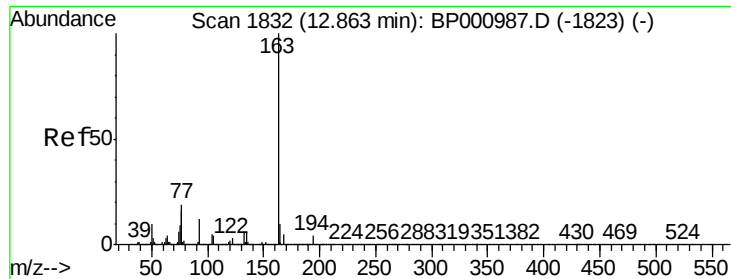
Abundance

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: 12.664 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

Instrument :

BNA_P

ClientSampleId :

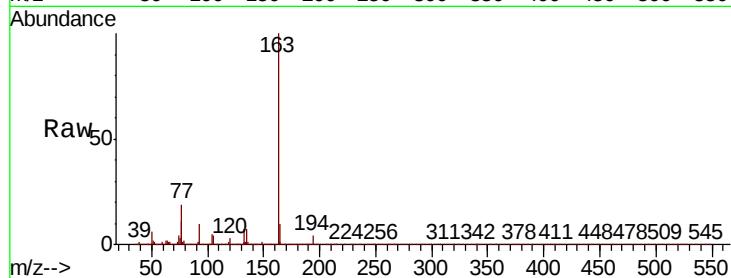
Tot Ion:163 Resp: 387785

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

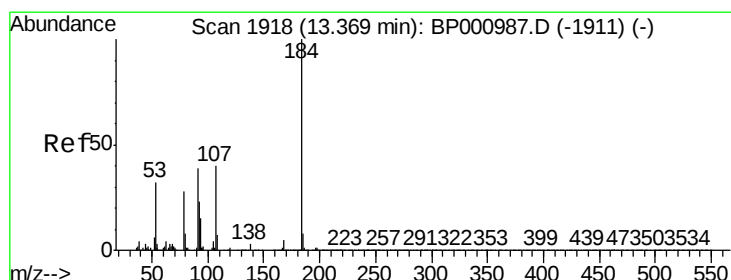
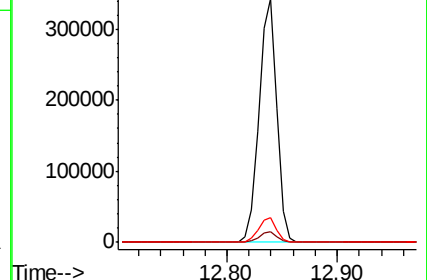
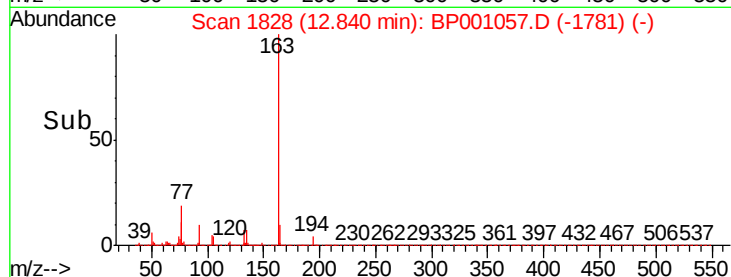
164 10.4 7.9 11.9



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: 8.317 ng

RT: 13.35 min Scan# 1915

Delta R.T. -0.02 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

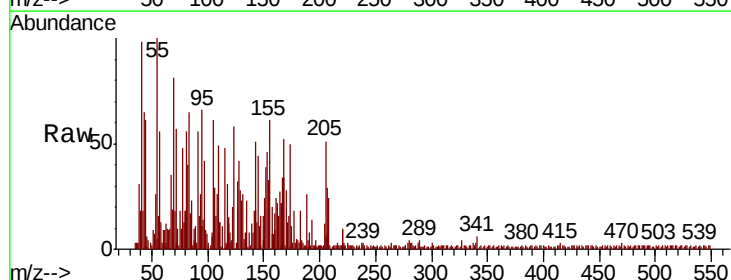
Tgt Ion:184 Resp: 20

Ion Ratio Lower Upper

184 100

63 329.2 41.0 61.6#

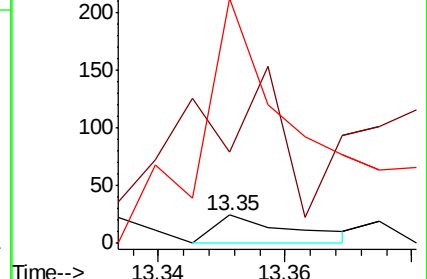
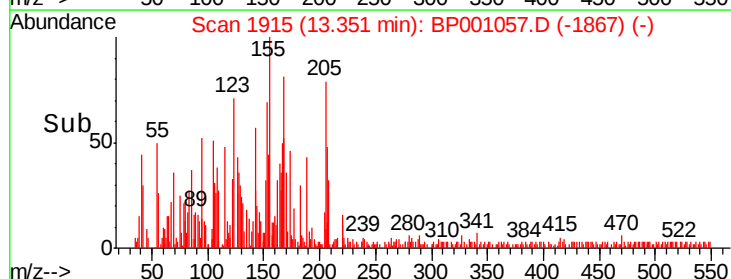
154 883.3 48.1 72.1#

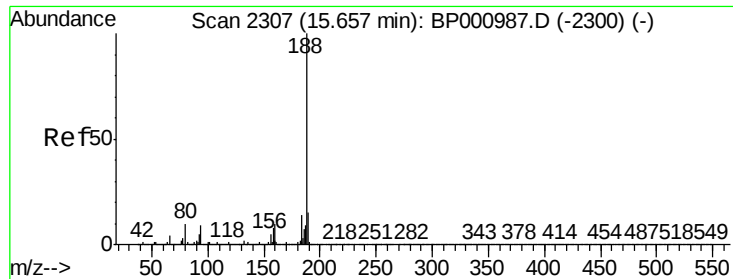


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.65 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

Instrument :

BNA_P

ClientSampleId :

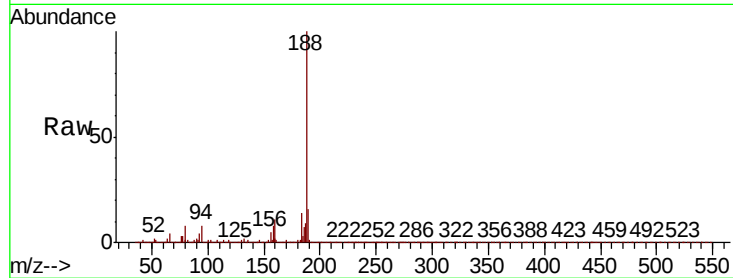
Tot Ion:188 Resp: 806515

Ion Ratio Lower Upper

188 100

94 7.9 7.4 11.2

80 8.2 7.9 11.9



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

800000

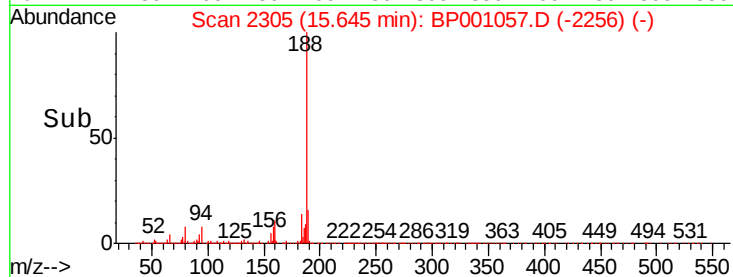
600000

400000

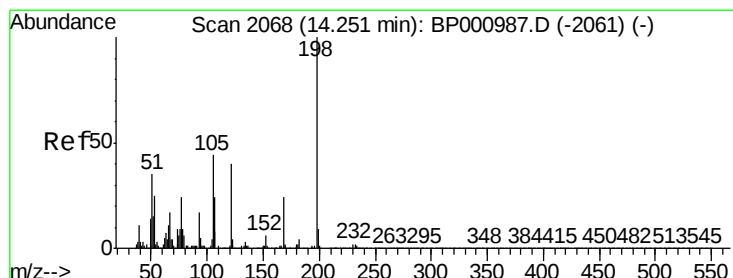
200000

0

15.55 15.60 15.65 15.70



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 9.904 ng

RT: 14.48 min Scan# 2107

Delta R.T. 0.23 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

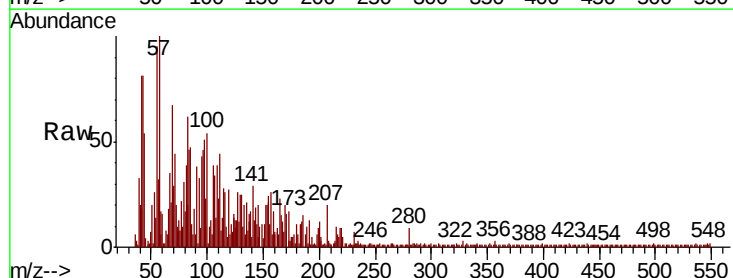
Tgt Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 303.8 16.0 56.0#

105 607.5 24.9 64.9#



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

800

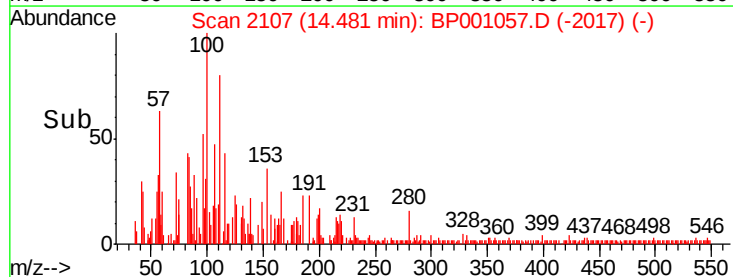
600

400

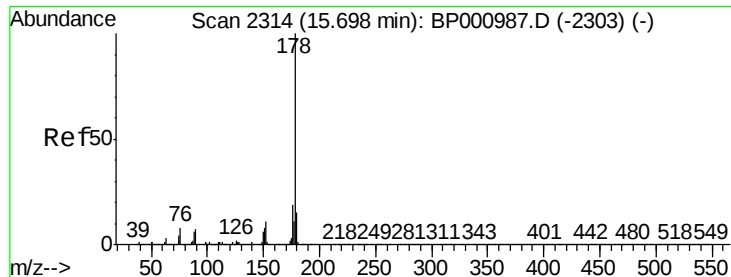
200

0

14.45 14.50



Time-->



#71

Phenanthrene

Concen: 2.428 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.02 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

Instrument :

BNA_P

ClientSampleId :

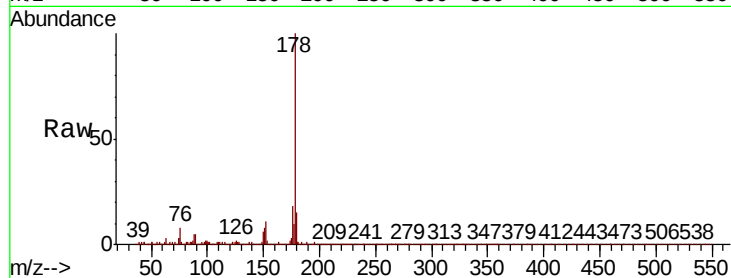
Tot Ion:178 Resp: 100236

Ion Ratio Lower Upper

178 100

176 18.4 15.5 23.3

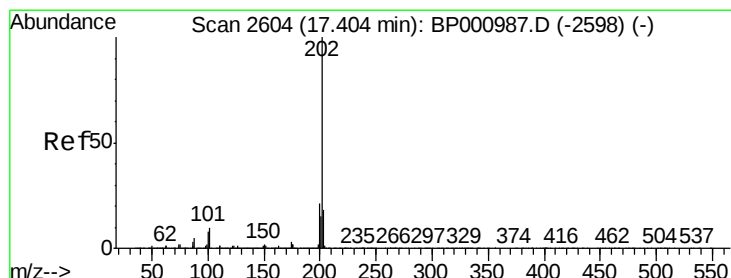
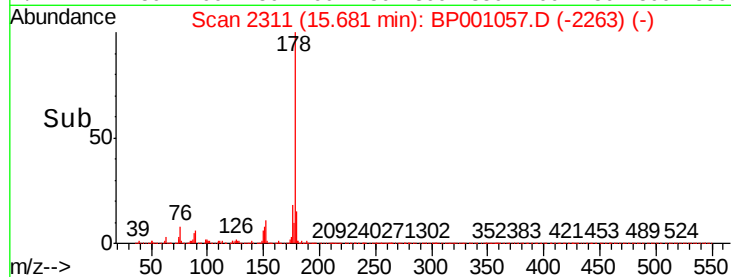
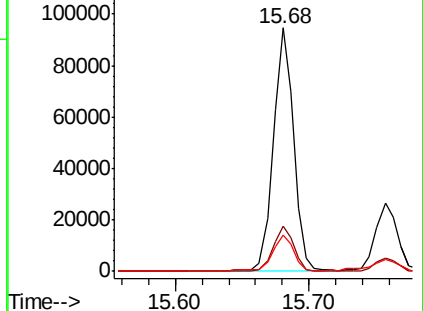
179 14.8 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 4.474 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.02 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

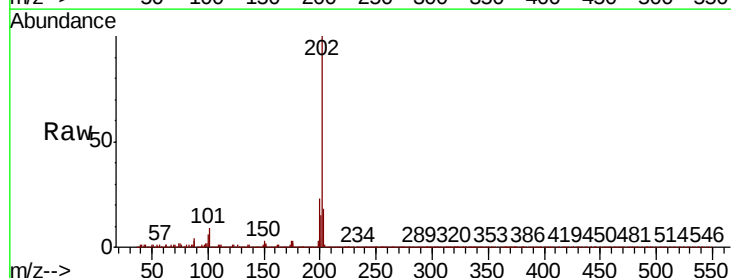
Tgt Ion:202 Resp: 208765

Ion Ratio Lower Upper

202 100

101 8.9 0.0 30.1

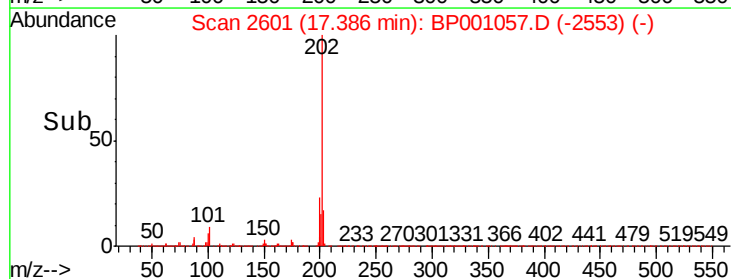
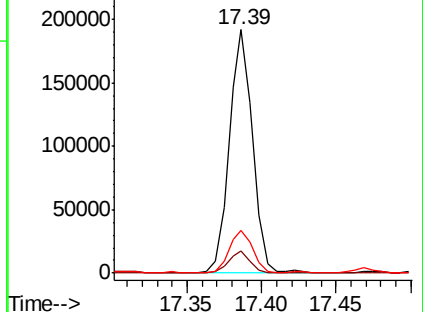
203 17.7 0.0 37.7

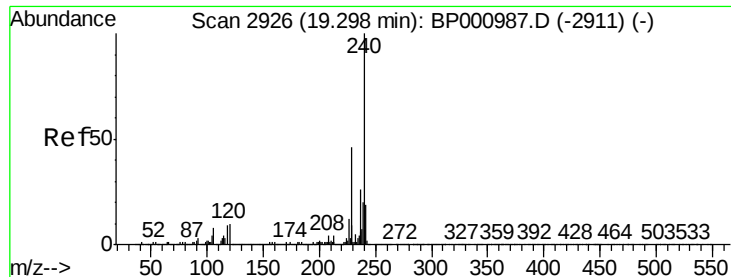


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

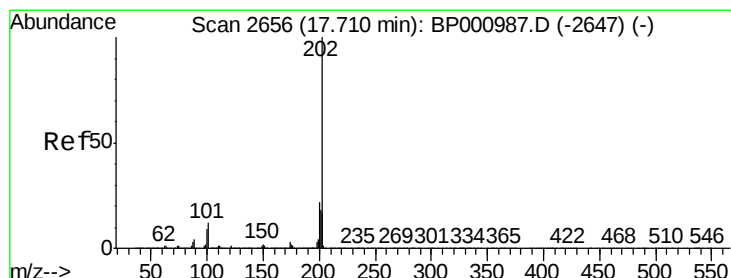
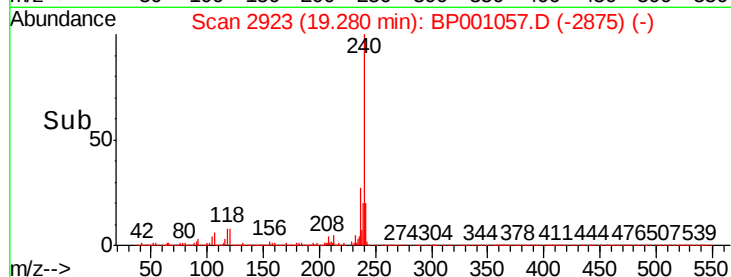
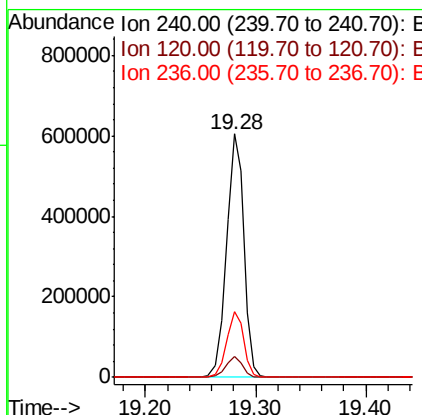
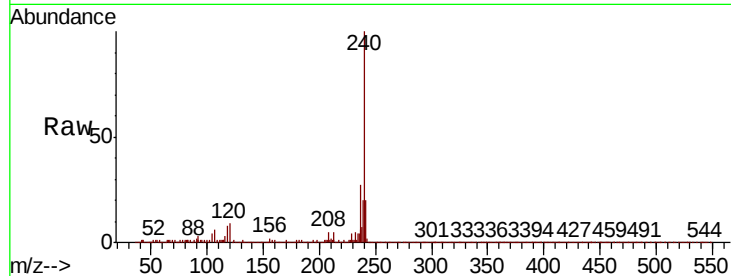




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 19.28 min Scan# 2923
 Delta R.T. -0.02 min
 Lab File: BP001057.D
 Acq: 15 Nov 2019 23:56

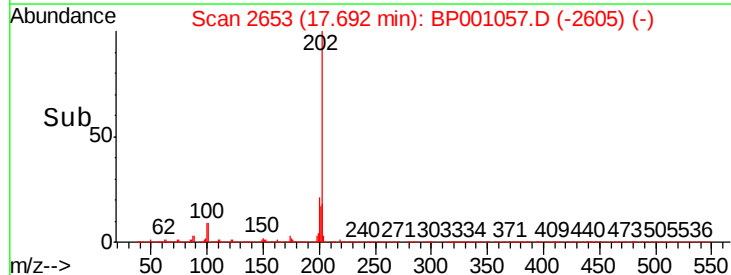
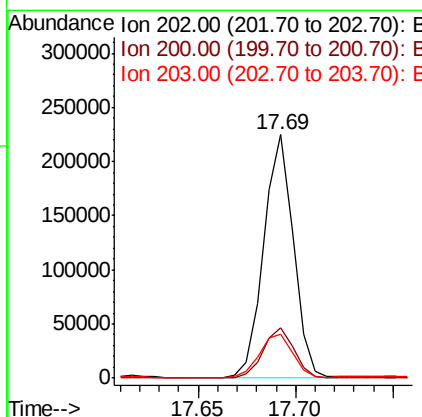
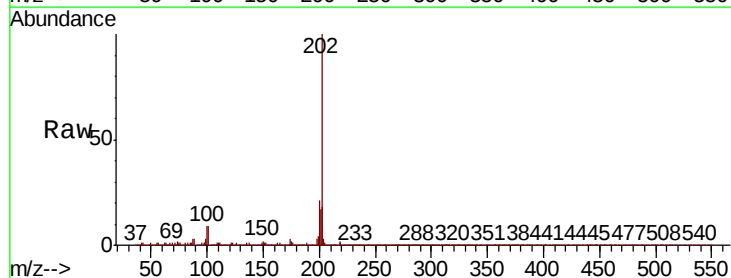
Instrument :
 BNA_P
 ClientSampleId :

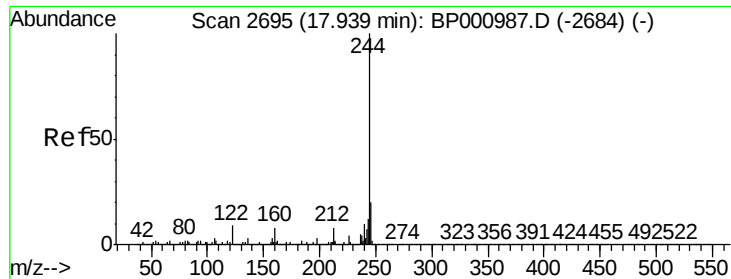
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.2	12.2
236	26.9	20.5	30.7



#78
 Pyrene
 Concen: 5.022 ng
 RT: 17.69 min Scan# 2653
 Delta R.T. -0.02 min
 Lab File: BP001057.D
 Acq: 15 Nov 2019 23:56

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	18.3	14.0	21.0





#79

Terphenyl-d14

Concen: 86.453 ng

RT: 17.93 min Scan# 2693

Delta R.T. -0.01 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

Instrument :

BNA_P

ClientSampleId :

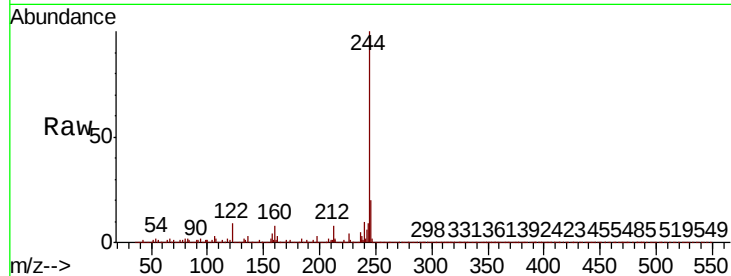
Tot Ion:244 Resp: 2885734

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

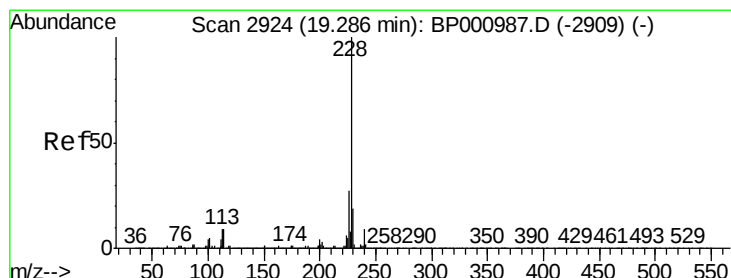
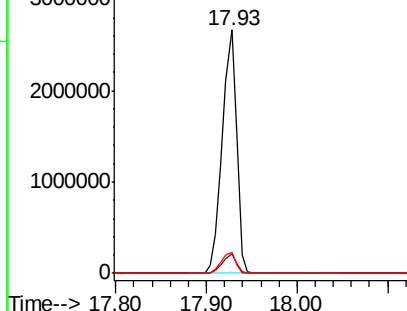
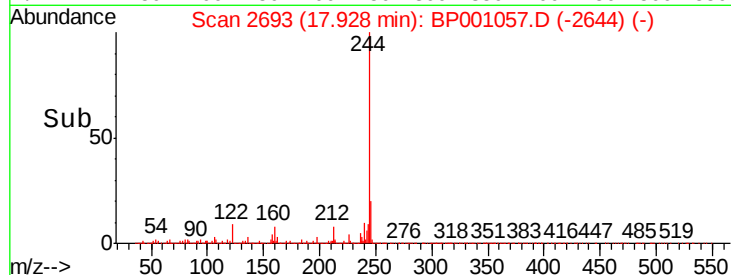
122 8.5 7.4 11.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.559 ng

RT: 19.27 min Scan# 2921

Delta R.T. -0.02 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

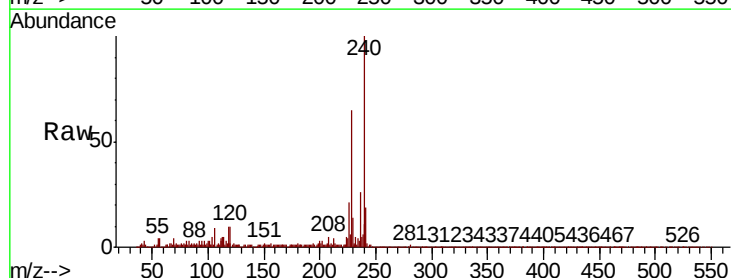
Tgt Ion:228 Resp: 114446

Ion Ratio Lower Upper

228 100

226 31.8 21.8 32.8

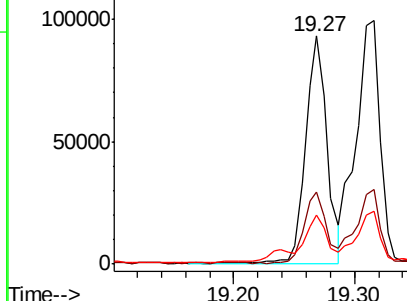
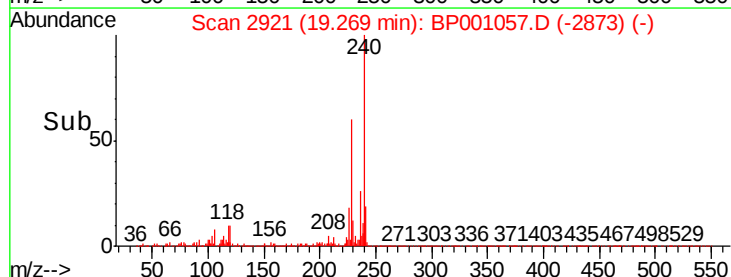
229 21.4 15.6 23.4

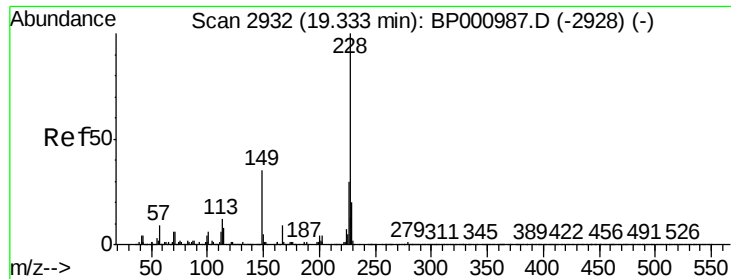


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.475 ng

RT: 19.32 min Scan# 2929

Delta R.T. -0.02 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

Instrument :

BNA_P

ClientSampleId :

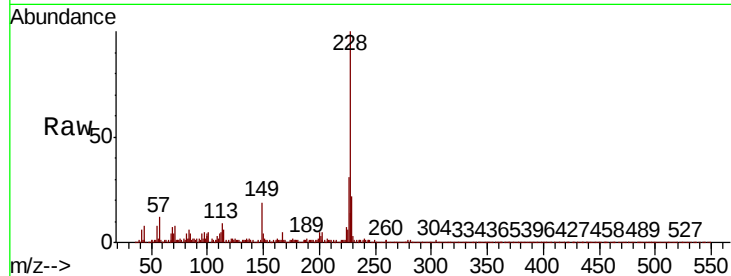
Tot Ion:228 Resp: 136422

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

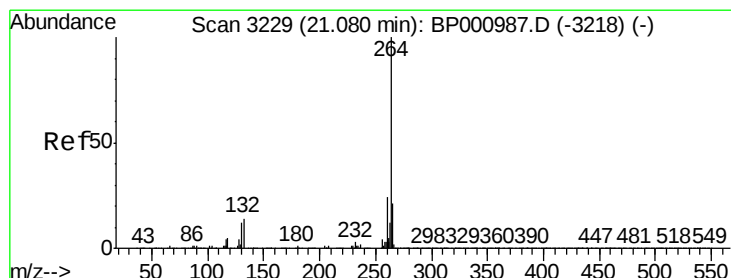
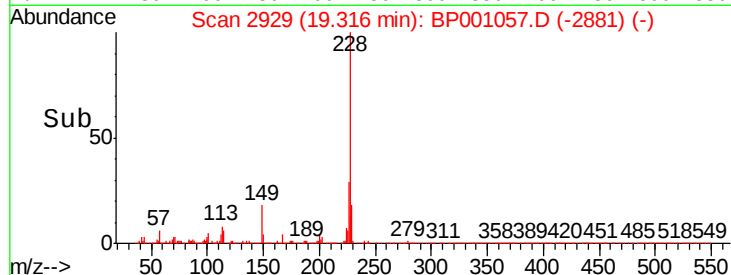
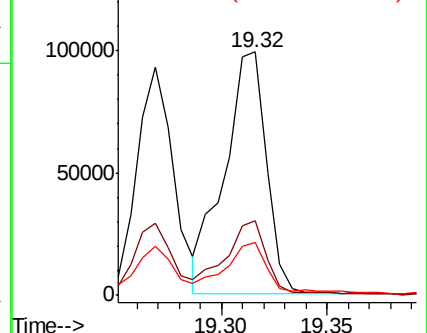
229 21.7 15.8 23.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 21.06 min Scan# 3226

Delta R.T. -0.02 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

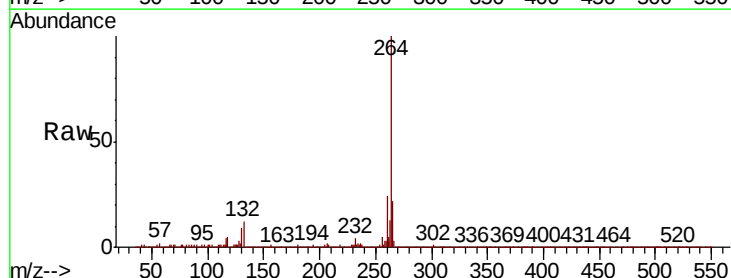
Tgt Ion:264 Resp: 714103

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

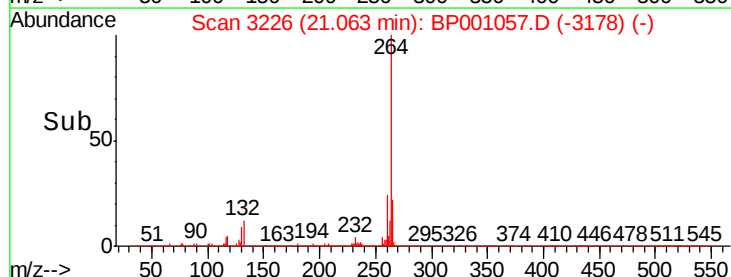
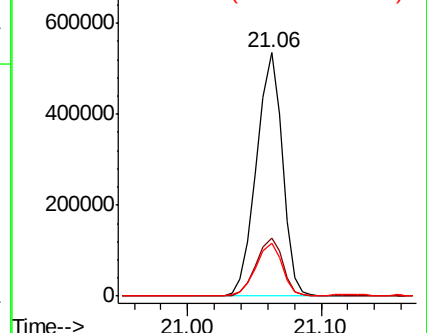
265 21.9 17.1 25.7

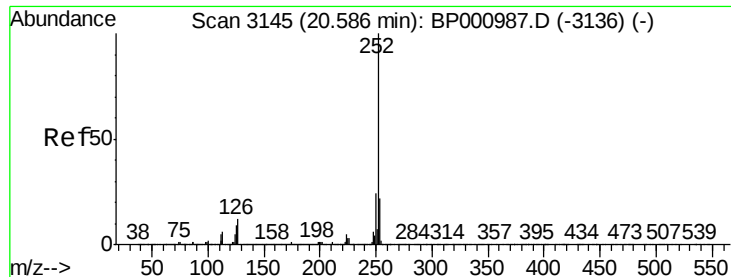


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

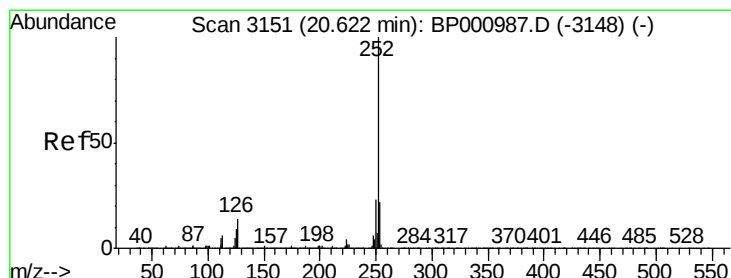
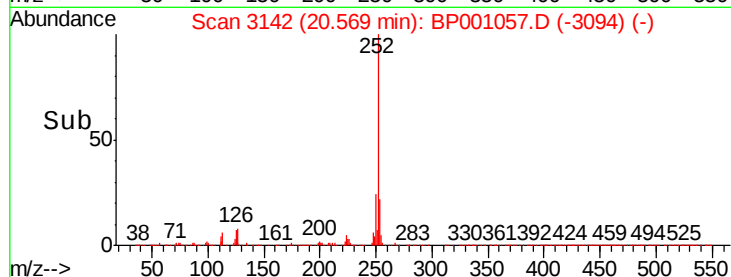
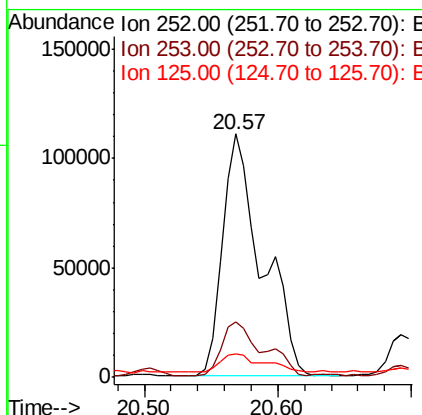
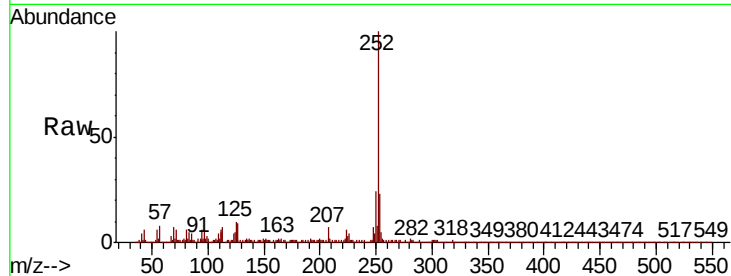




#88
Benzo(b)fluoranthene
Concen: 5.380 ng
RT: 20.57 min Scan# 3142
Delta R.T. -0.02 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

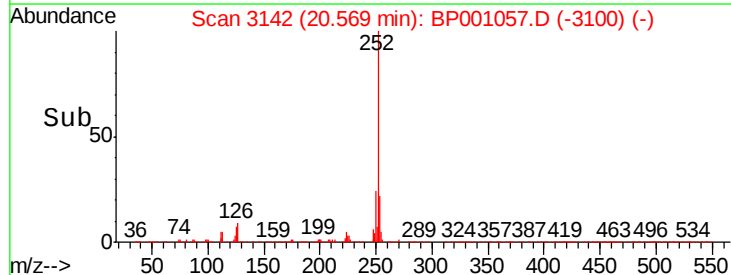
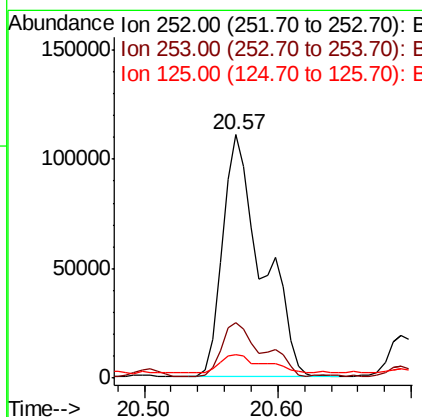
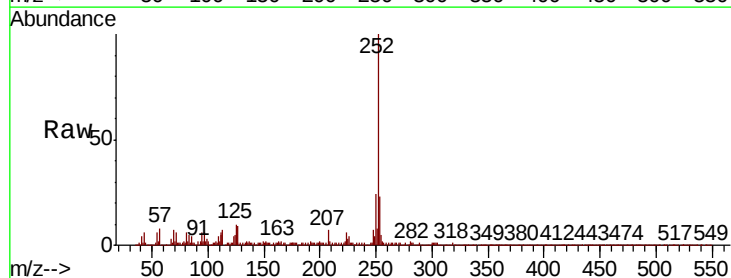
Instrument :
BNA_P
ClientSampled :

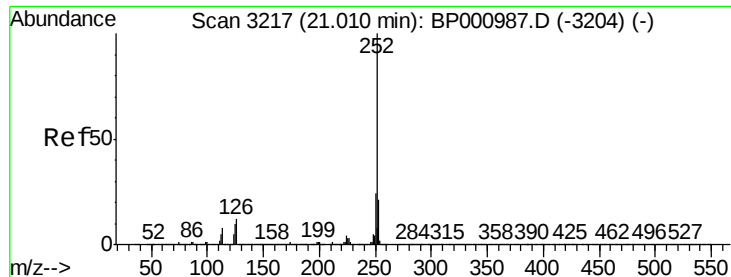
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.7	7.3	10.9



#89
Benzo(k)fluoranthene
Concen: 5.715 ng
RT: 20.57 min Scan# 3142
Delta R.T. -0.05 min
Lab File: BP001057.D
Acq: 15 Nov 2019 23:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	9.7	7.3	10.9





#90

Benzo(a)pyrene

Concen: 2.250 ng

RT: 20.99 min Scan# 3213

Delta R.T. -0.02 min

Lab File: BP001057.D

Acq: 15 Nov 2019 23:56

Instrument :

BNA_P

ClientSampleId :

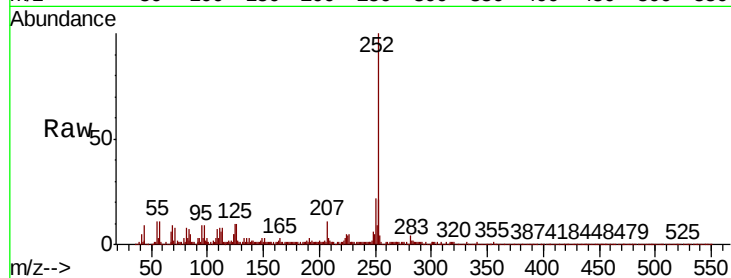
Tot Ion:252 Resp: 88065

Ion Ratio Lower Upper

252 100

253 21.4 17.1 25.7

125 10.4 7.6 11.4



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

