

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111519\
 Data File : BP001059.D
 Acq On : 16 Nov 2019 00:56
 Operator : JU
 Sample : K5832-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

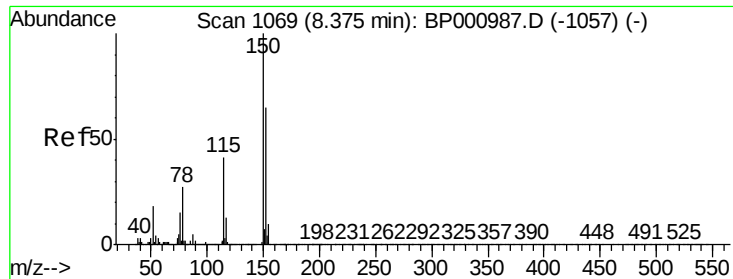
Quant Time: Nov 16 03:33:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.37	152	185157	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	671924	20.00	ng	-0.01
39) Acenaphthene-d10	13.25	164	387750	20.00	ng	-0.02
64) Phenanthrene-d10	15.65	188	765763	20.00	ng	-0.01
76) Chrysene-d12	19.28	240	635741	20.00	ng	-0.02
87) Perylene-d12	21.06	264	686153	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.30	112	134613	13.23	ng	0.00
7) Phenol-d6	7.81	99	855618	66.51	ng	0.00
23) Nitrobenzene-d5	9.24	82	681094	56.07	ng	-0.02
42) 2,4,6-Tribromophenol	14.54	330	7398	1.60	ng	-0.02
45) 2-Fluorobiphenyl	12.17	172	1519006	59.00	ng	-0.02
79) Terphenyl-d14	17.92	244	1971970	61.70	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.82	94	31999	2.274	ng	85
19) n-Nitroso-di-n-propylamine	9.24	70	92774	12.011	ng	# 80
32) Benzoic acid	10.00	122	26	7.672	ng	# 24
50) Dimethylphthalate	12.83	163	253616	8.845	ng	99
54) 2,4-Dinitrophenol	13.32	184	7	8.311	ng	# 1
65) 4,6-Dinitro-2-methylphenol	14.25	198	33	9.892	ng	# 1
71) Phenanthrene	15.68	178	82413	2.103	ng	98
75) Fluoranthene	17.39	202	257371	5.810	ng	97
78) Pyrene	17.69	202	257508	5.732	ng	99
81) Benzo(a)anthracene	19.32	228	153420	3.583	ng	97
83) Chrysene	19.32	228	153420	4.081	ng	97
88) Benzo(b)fluoranthene	20.57	252	220856	5.400	ng	98
89) Benzo(k)fluoranthene	20.57	252	220856	5.736	ng	98
90) Benzo(a)pyrene	20.99	252	102459	2.724	ng	99
92) Benzo(a,h,i)perylene	23.21	276	81003	2.096	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.37 min Scan# 1068

Delta R.T. -0.01 min

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ClientSampleId :

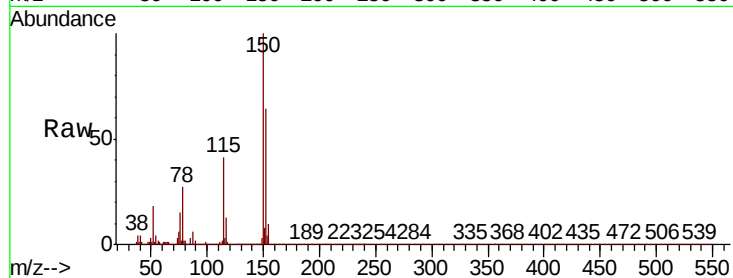
Tot Ion:152 Resp: 185157

Ion Ratio Lower Upper

152 100

150 155.9 123.6 185.4

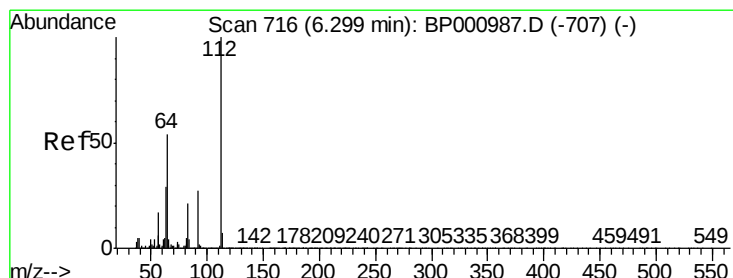
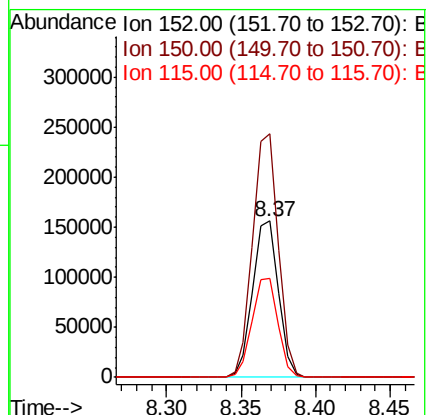
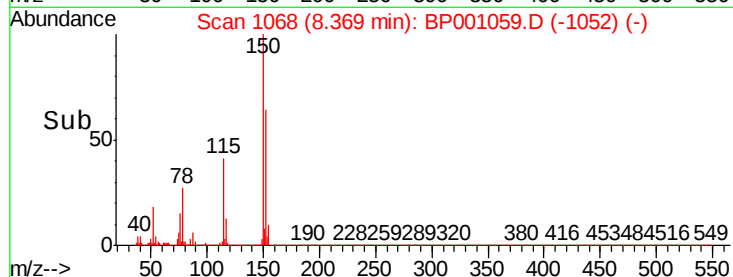
115 63.5 50.1 75.1



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: 13.233 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

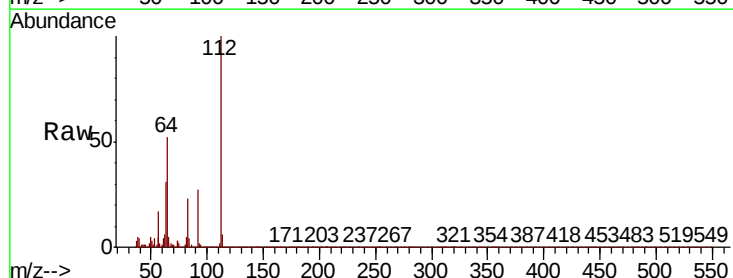
Tgt Ion:112 Resp: 134613

Ion Ratio Lower Upper

112 100

64 52.2 43.4 65.0

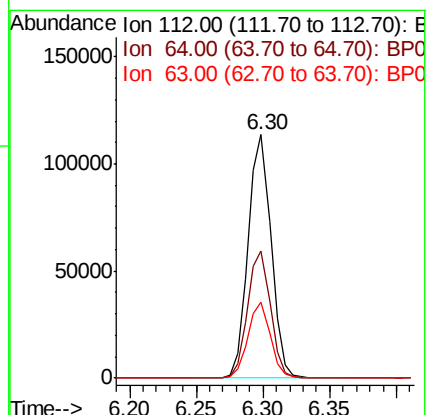
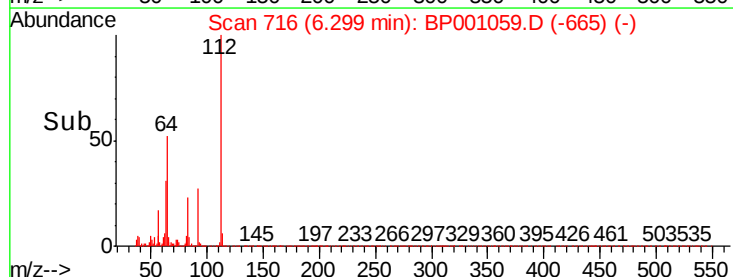
63 31.4 23.4 35.0

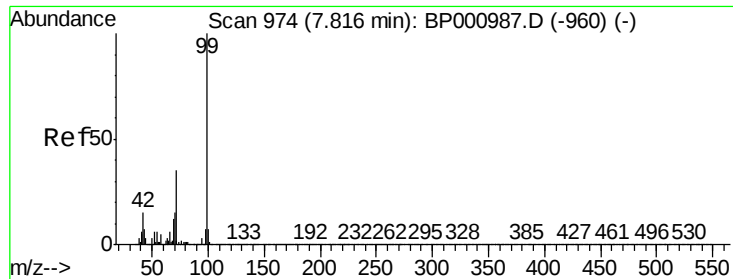


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 66.514 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.01 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

Instrument :

BNA_P

ClientSampleId :

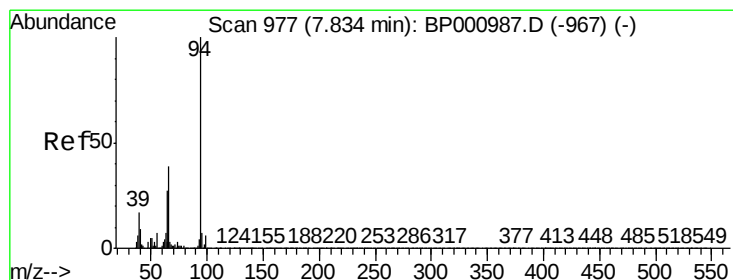
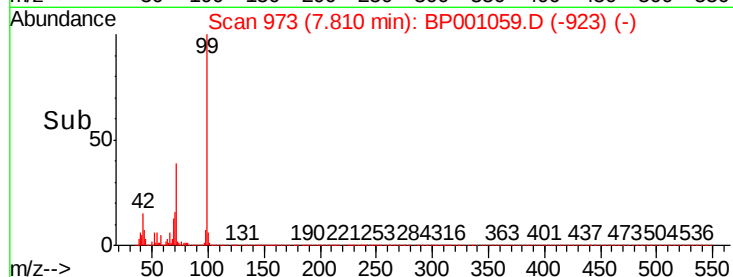
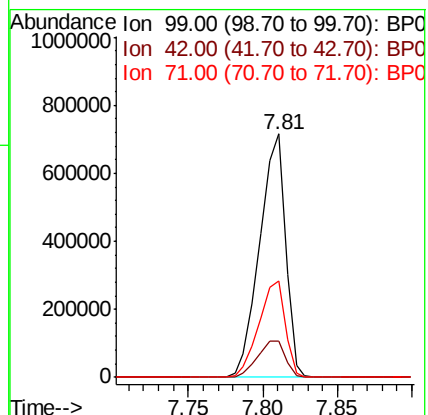
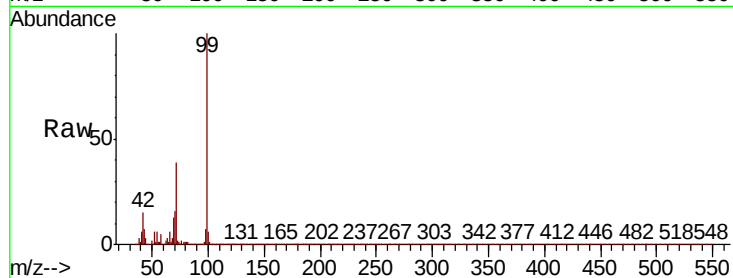
Tot Ion: 99 Resp: 855618

Ion Ratio Lower Upper

99 100

42 15.1 11.6 17.4

71 39.4 28.0 42.0



#10

Phenol

Concen: 2.274 ng

RT: 7.82 min Scan# 975

Delta R.T. -0.01 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

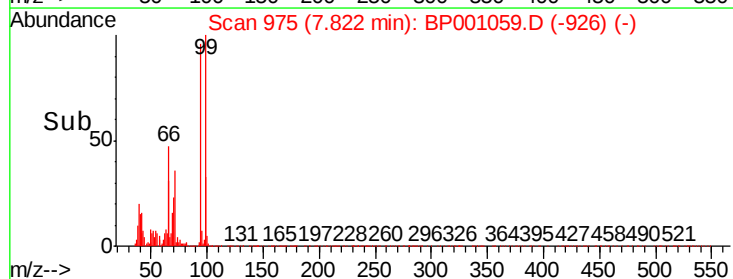
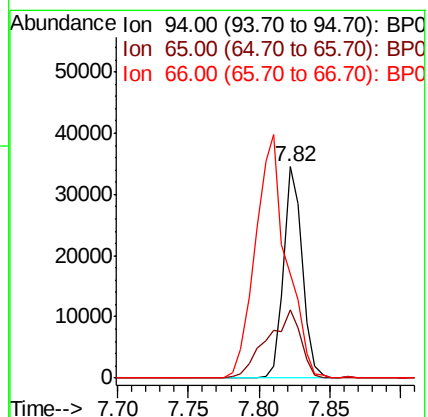
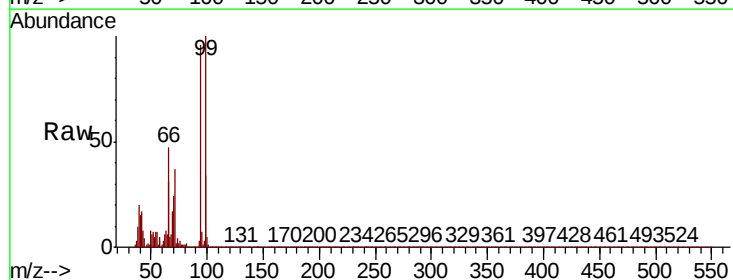
Tgt Ion: 94 Resp: 31999

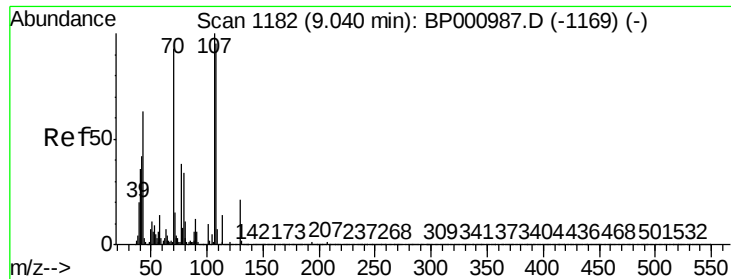
Ion Ratio Lower Upper

94 100

65 32.3 6.7 46.7

66 49.2 18.6 58.6

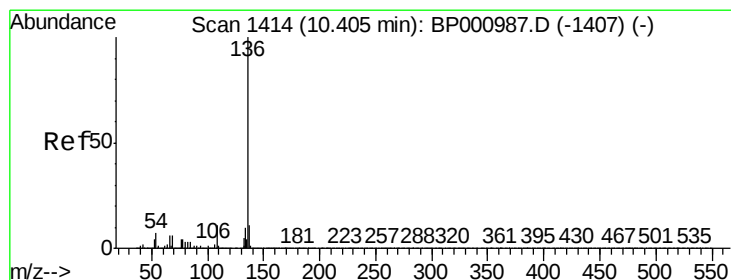
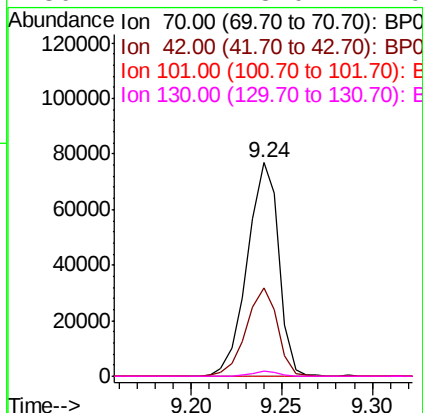
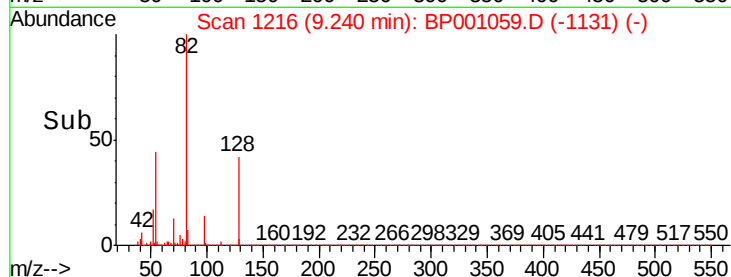
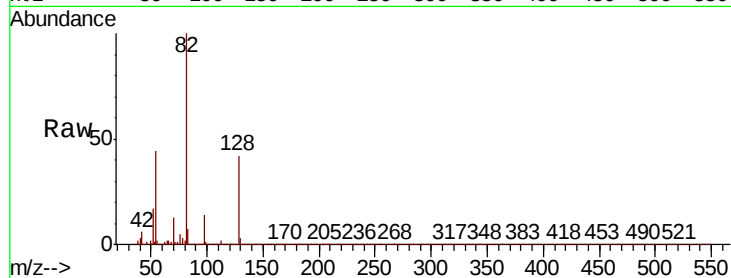




#19
n-Nitroso-di-n-propylamine
Concen: 12.011 ng
RT: 9.24 min Scan# 1216
Delta R.T. 0.20 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

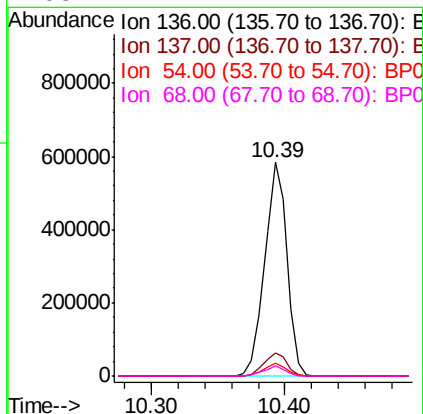
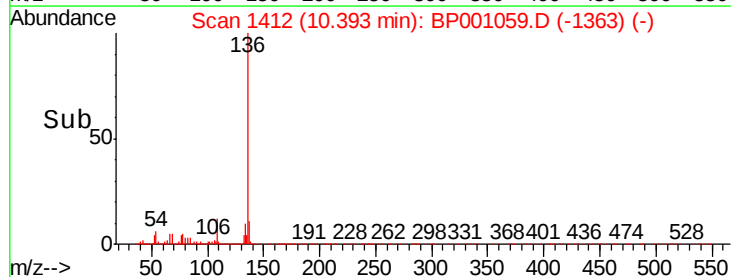
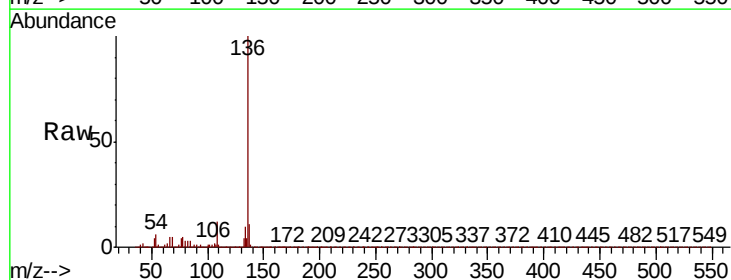
Instrument :
BNA_P
ClientSampleId :

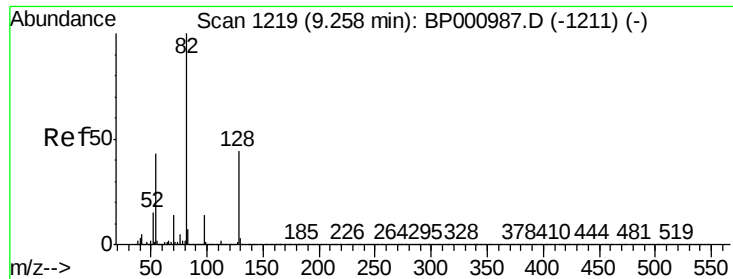
Tot Ion: 70 Resp: 92774
Ion Ratio Lower Upper
70 100
42 41.3 36.3 54.5
101 0.0 8.7 13.1#
130 2.1 18.0 27.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

Tgt Ion: 136 Resp: 671924
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 6.2 5.4 8.2
68 4.7 4.7 7.1#

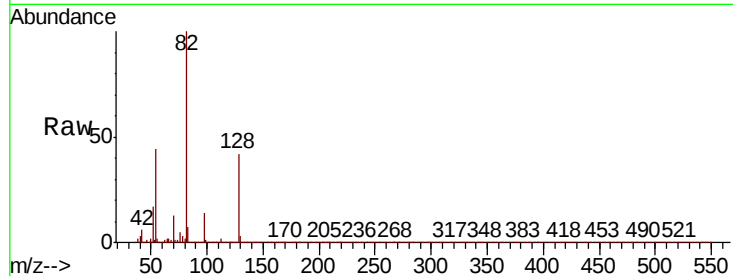




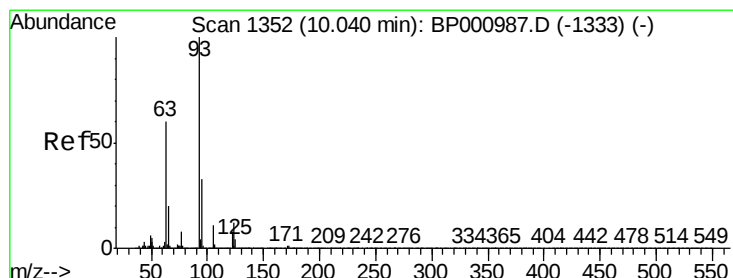
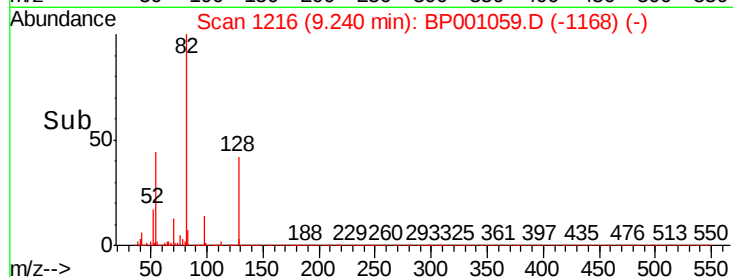
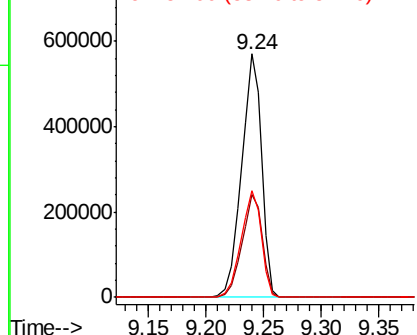
#23
Nitrobenzene-d5
Concen: 56.072 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.02 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

Instrument :
BNA_P
ClientSampleId :

Tot Ion	82	Resp	681094
Ion Ratio	100	Lower	Upper
128	42.1	35.3	52.9
54	43.9	34.3	51.5

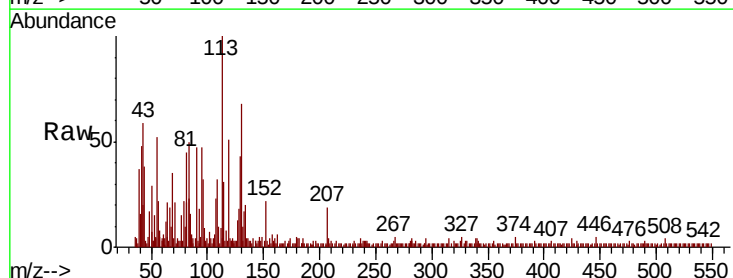


Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

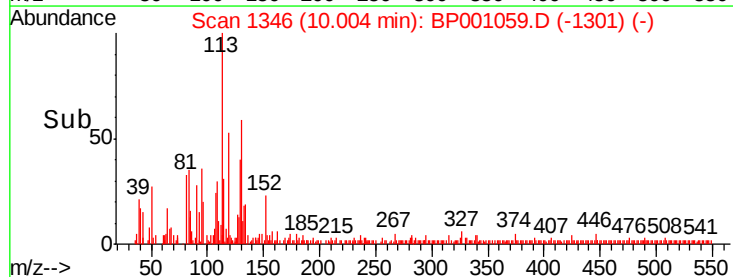
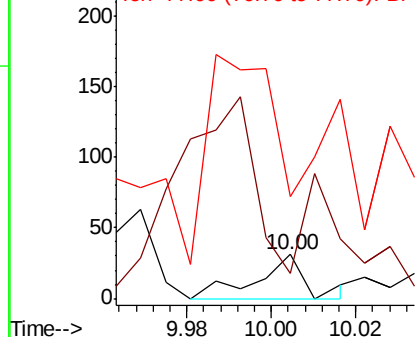


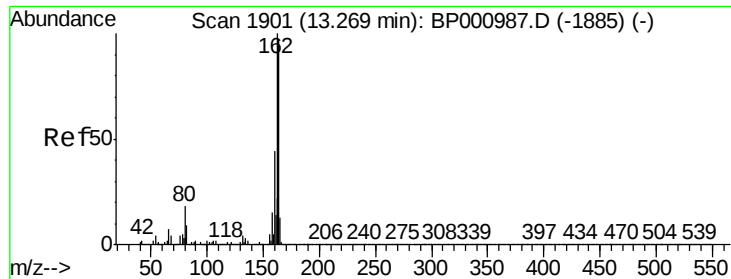
#32
Benzoic acid
Concen: 7.672 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.03 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

Tgt Ion	122	Resp	26
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	43.9	110.5	150.5#
77	175.6	77.9	117.9#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BP0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.25 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

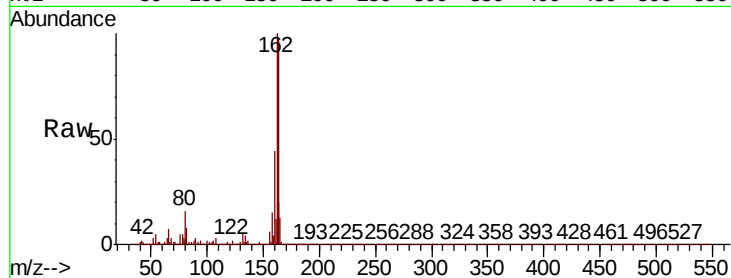
Instrument :

BNA_P

ClientSampleId :

Tot Ion:164 Resp: 387750

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	45.4	36.5	54.7

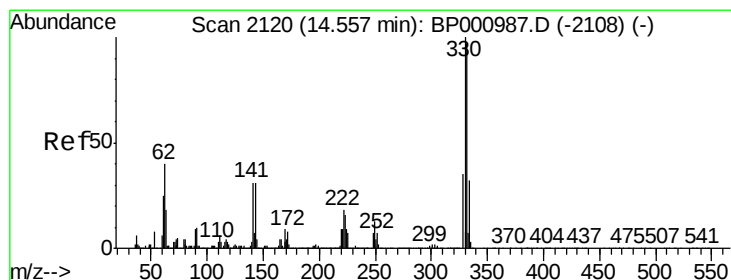
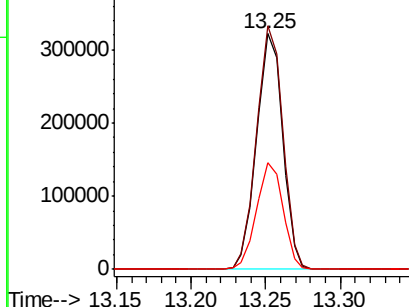
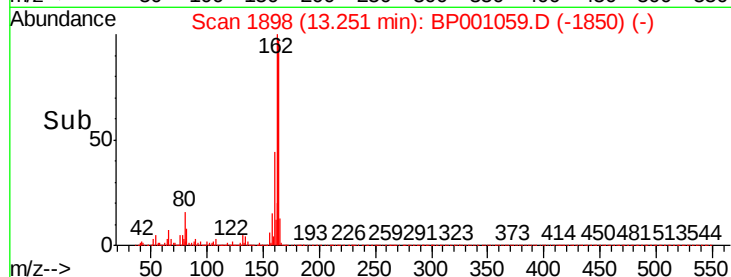


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 1.598 ng

RT: 14.54 min Scan# 2117

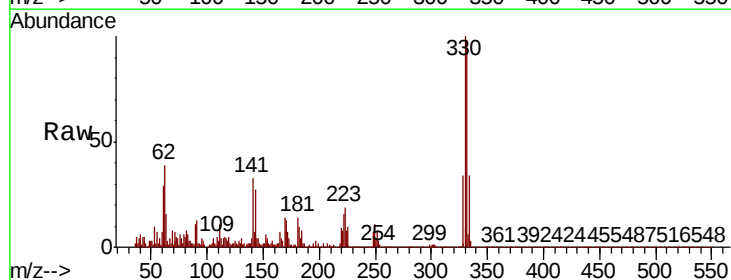
Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

Tgt Ion:330 Resp: 7398

Ion	Ratio	Lower	Upper
330	100		
332	93.5	78.3	117.5
141	36.4	25.0	37.4

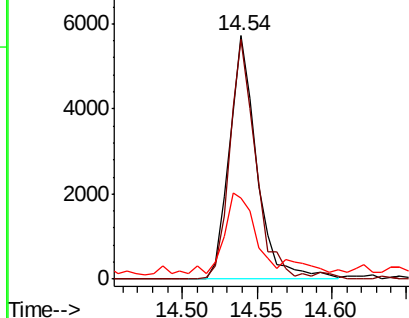
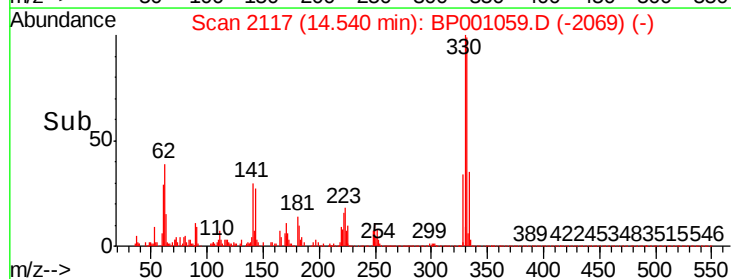


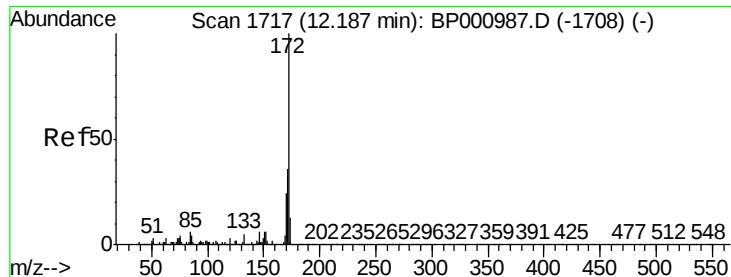
Abundance

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

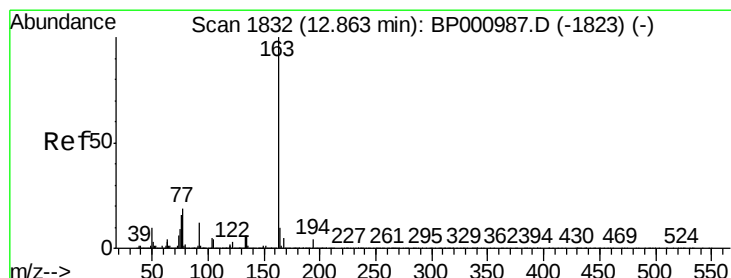
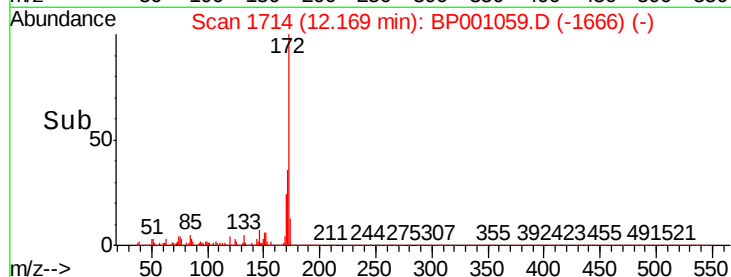
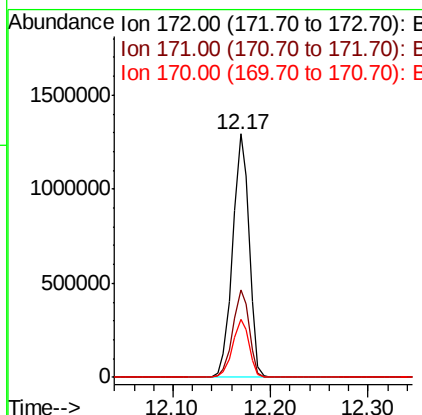
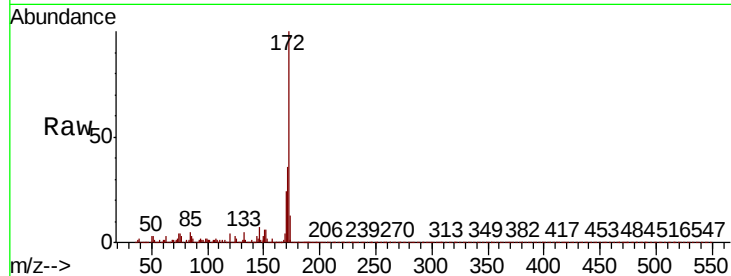




#45
2-Fluorobiphenyl
Concen: 59.001 ng
RT: 12.17 min Scan# 1714
Delta R.T. -0.02 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

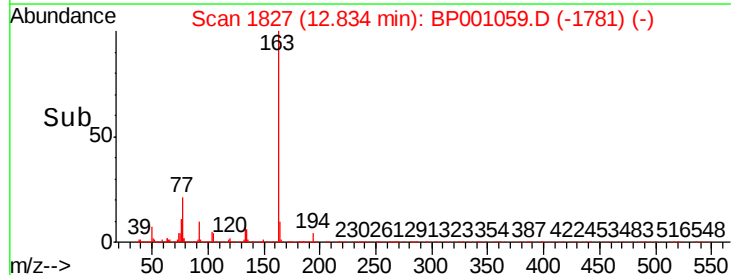
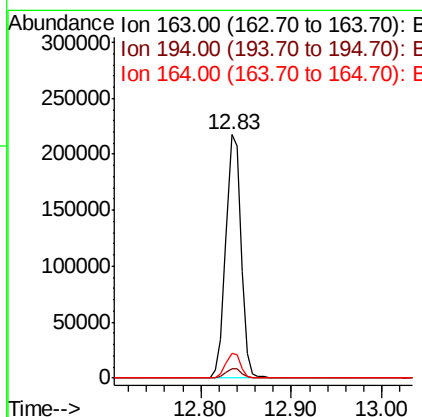
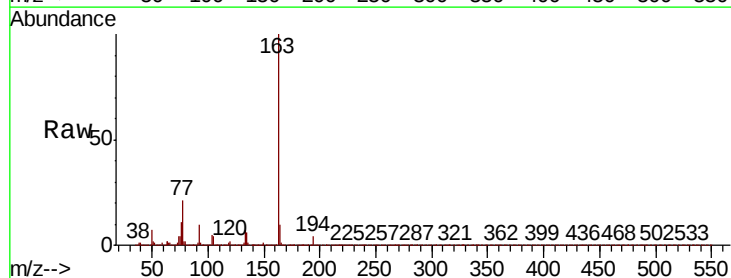
Instrument :
BNA_P
ClientSampleId :

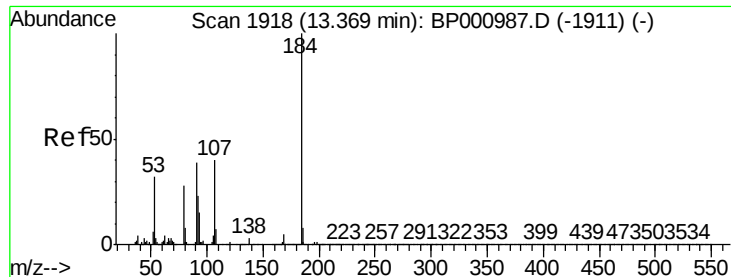
Tot Ion:172 Resp: 1519006
Ion Ratio Lower Upper
172 100
171 35.9 28.5 42.7
170 23.8 18.9 28.3



#50
Dimethylphthalate
Concen: 8.845 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.03 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

Tgt Ion:163 Resp: 253616
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 10.0 7.9 11.9

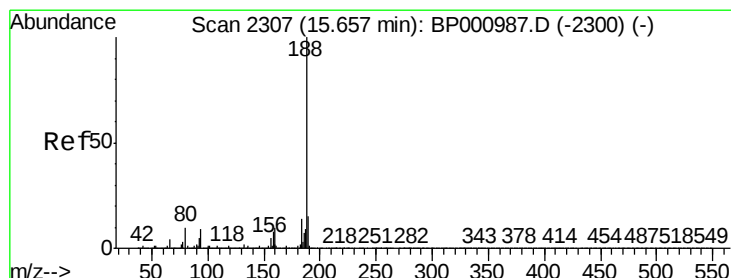
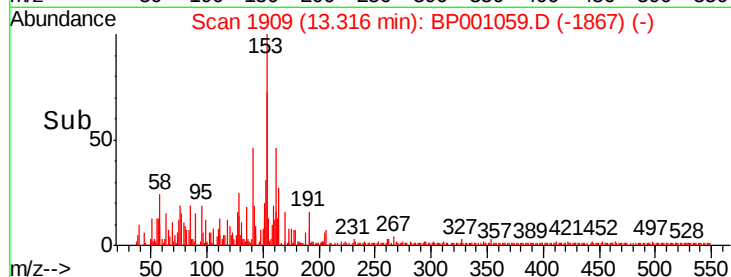
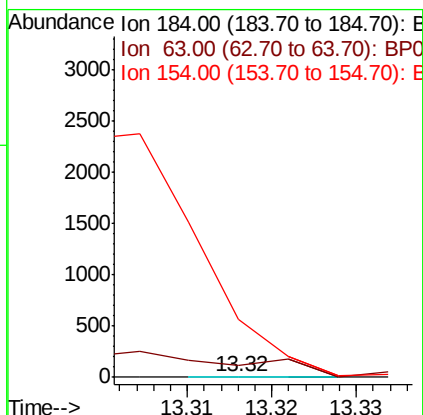
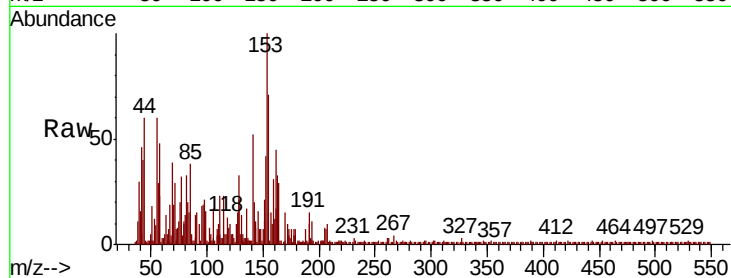




#54
2,4-Dinitrophenol
Concen: 8.311 ng
RT: 13.32 min Scan# 1909
Delta R.T. -0.05 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

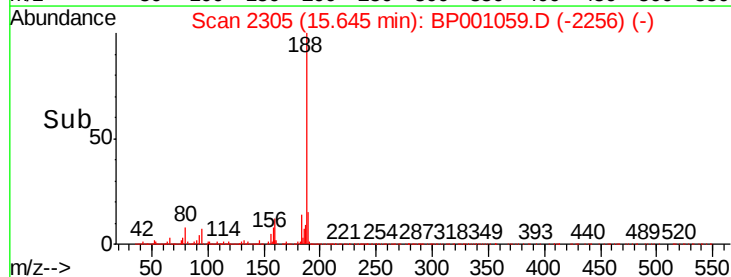
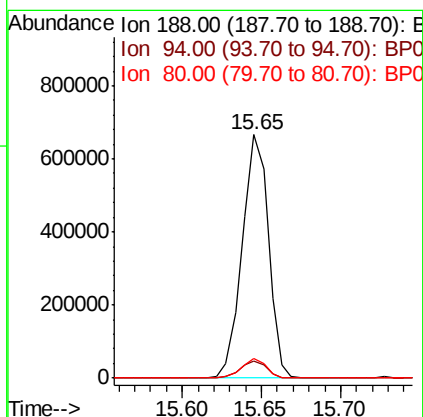
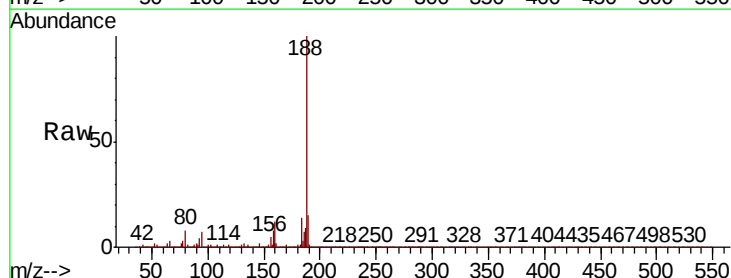
Instrument :
BNA_P
ClientSampleId :

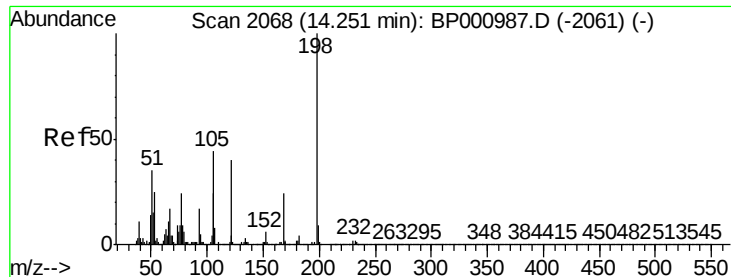
Tot Ion:184 Resp: 7
Ion Ratio Lower Upper
184 100
63 1244.4 41.0 61.6#
154 6277.8 48.1 72.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.65 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

Tgt Ion:188 Resp: 765763
Ion Ratio Lower Upper
188 100
94 7.2 7.4 11.2#
80 8.0 7.9 11.9

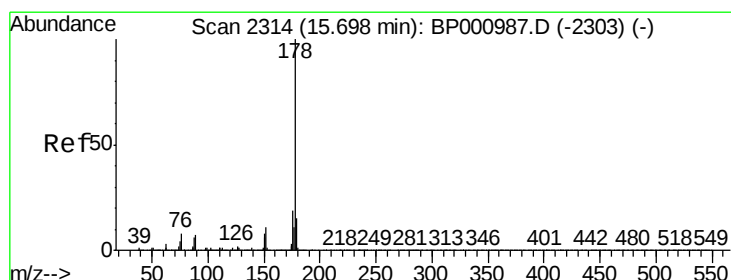
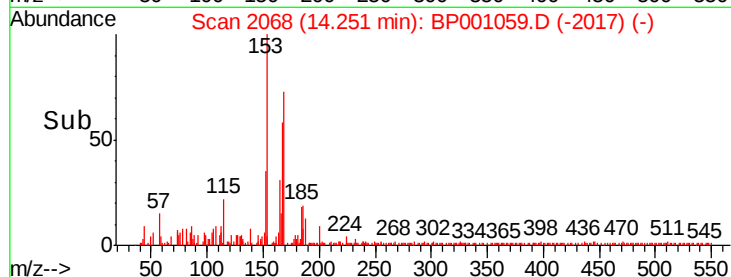
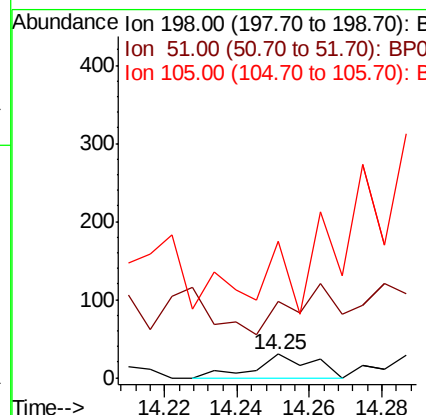
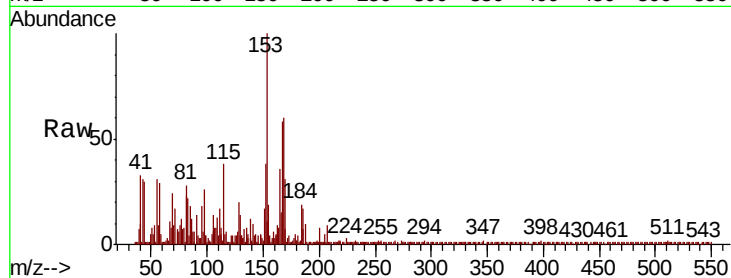




#65
4,6-Dinitro-2-methylphenol
Concen: 9.892 ng
RT: 14.25 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

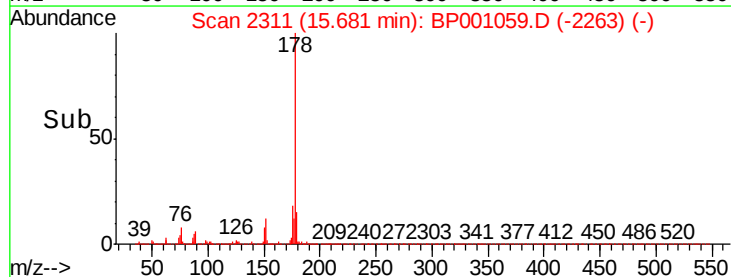
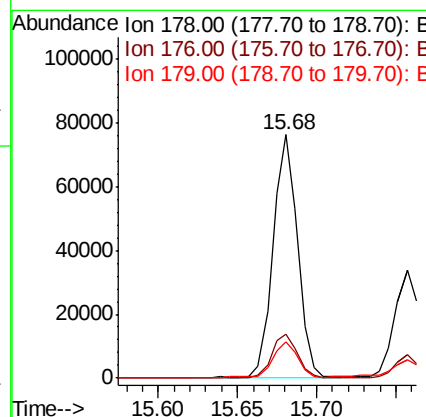
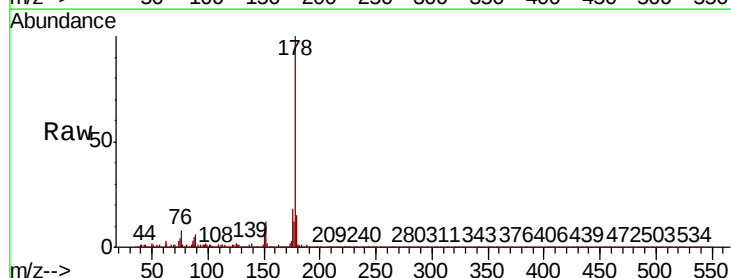
Instrument :
BNA_P
ClientSampleId :

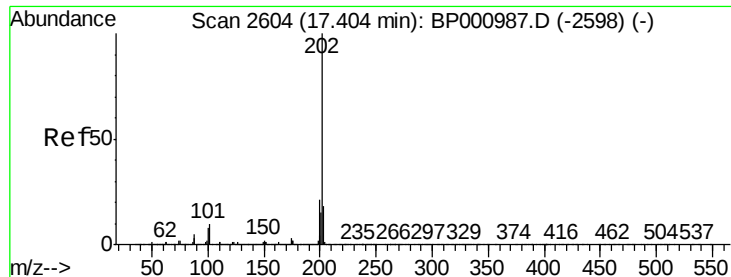
Tot Ion	Ratio	Lower	Upper
198	100		
51	323.3	16.0	56.0#
105	583.3	24.9	64.9#



#71
Phenanthrene
Concen: 2.103 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.02 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	14.7	12.3	18.5





#75

Fluoranthene

Concen: 5.810 ng

RT: 17.39 min Scan# 2601

Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

Instrument :

BNA_P

ClientSampleId :

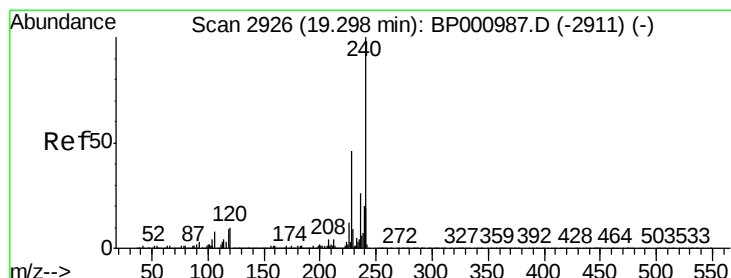
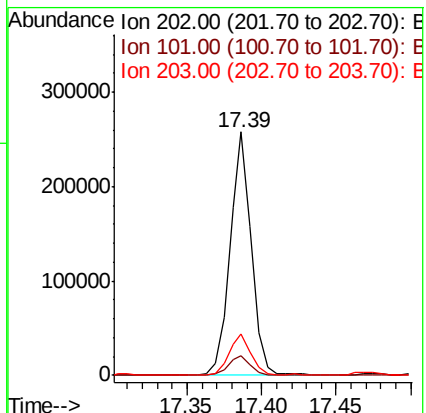
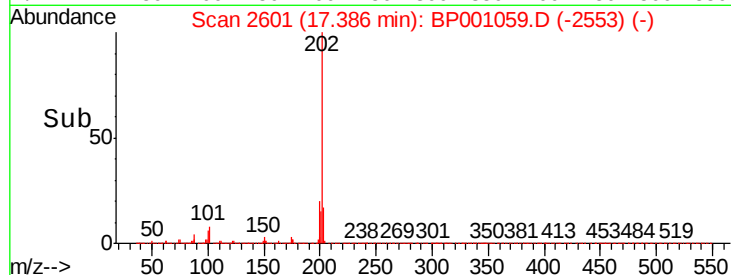
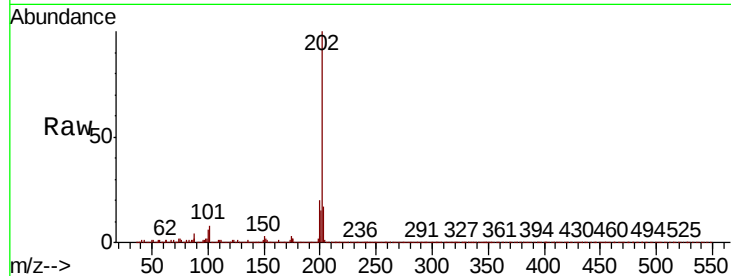
Tot Ion:202 Resp: 257371

Ion Ratio Lower Upper

202 100

101 7.9 0.0 30.1

203 17.2 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.28 min Scan# 2923

Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

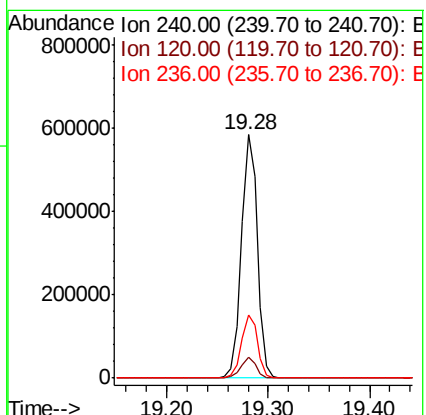
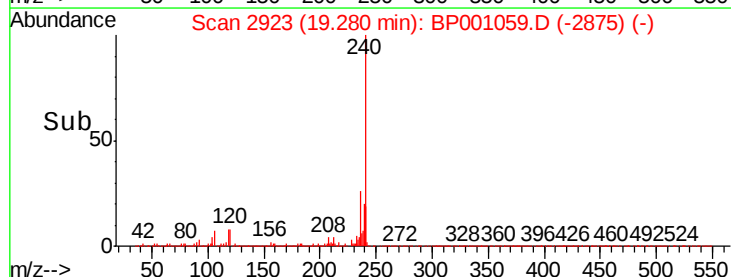
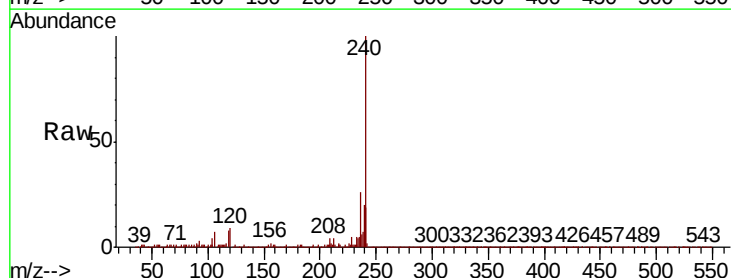
Tgt Ion:240 Resp: 635741

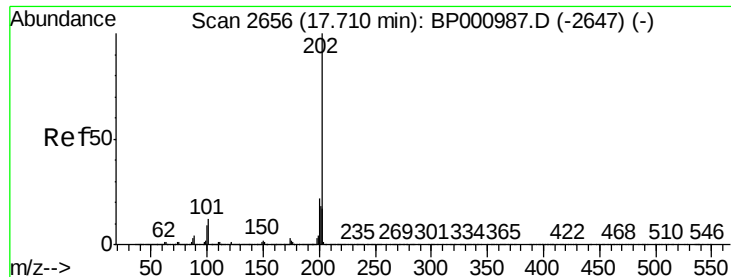
Ion Ratio Lower Upper

240 100

120 8.6 8.2 12.2

236 26.2 20.5 30.7





#78

Pvrene

Concen: 5.732 ng

RT: 17.69 min Scan# 2653

Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

Instrument :

BNA_P

ClientSampleId :

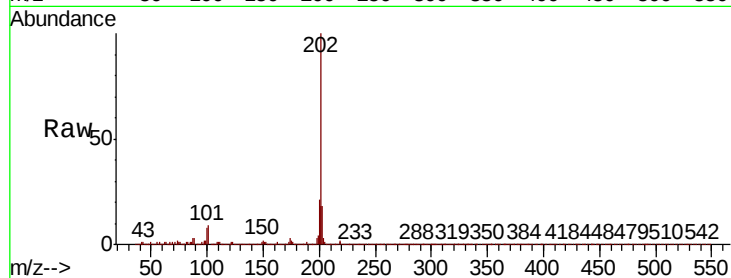
Tot Ion:202 Resp: 257508

Ion Ratio Lower Upper

202 100

200 21.0 17.2 25.8

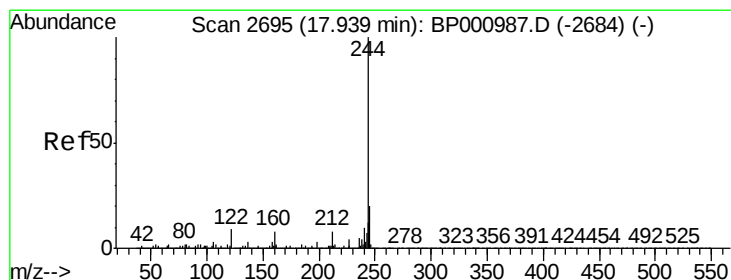
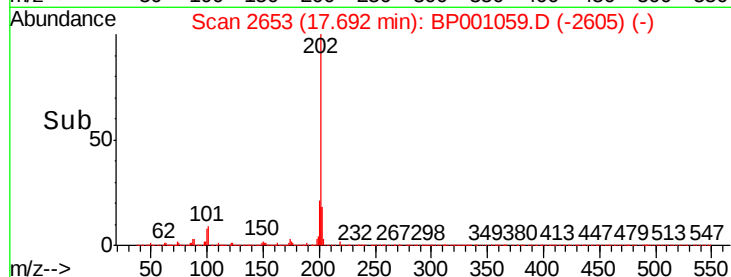
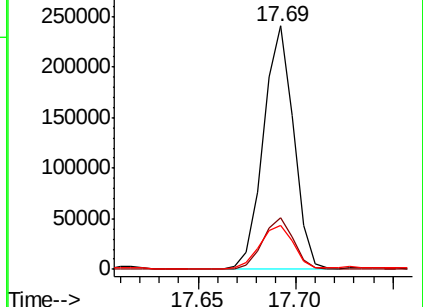
203 17.9 14.0 21.0



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: 61.700 ng

RT: 17.92 min Scan# 2692

Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

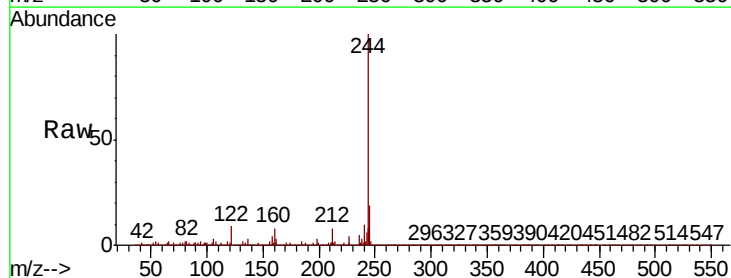
Tgt Ion:244 Resp: 1971970

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

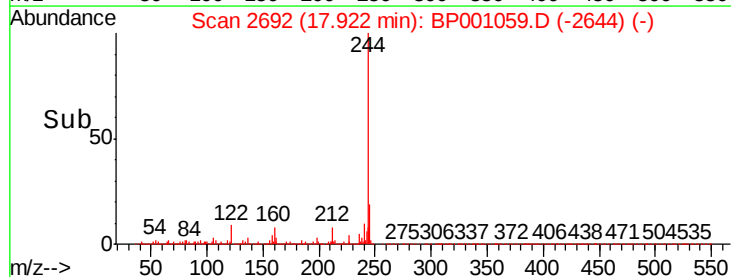
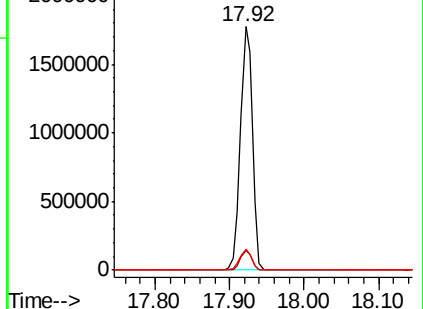
122 8.8 7.4 11.2

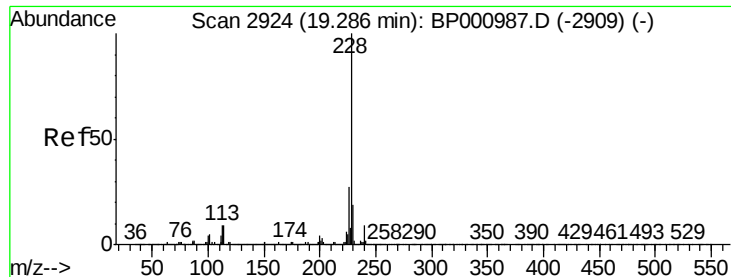


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.583 ng

RT: 19.32 min Scan# 2929

Delta R.T. 0.03 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

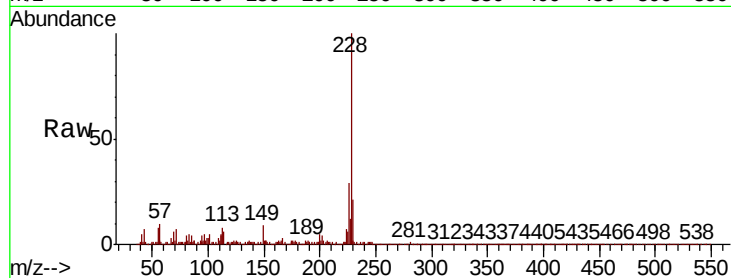
Instrument :

BNA_P

ClientSampleId :

Tot Ion:228 Resp: 153420

Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.8	32.8
229	21.1	15.6	23.4

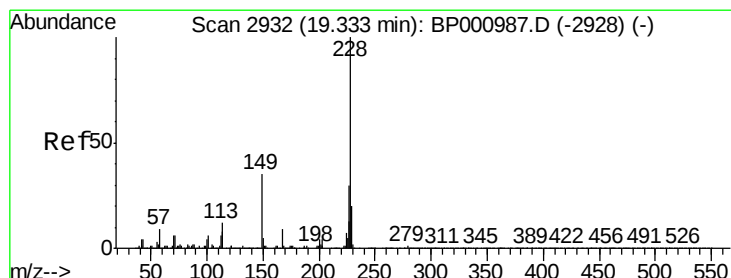
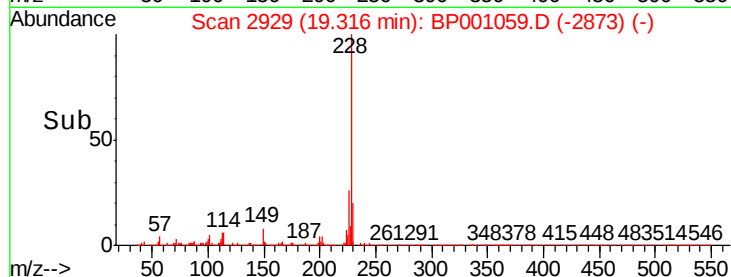
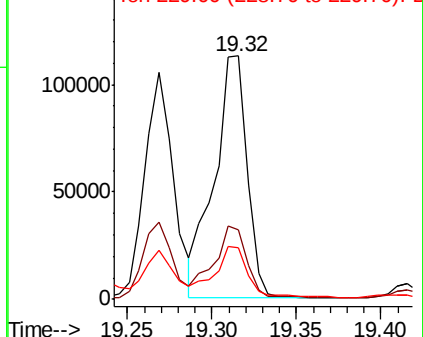


Abundance

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: 4.081 ng

RT: 19.32 min Scan# 2929

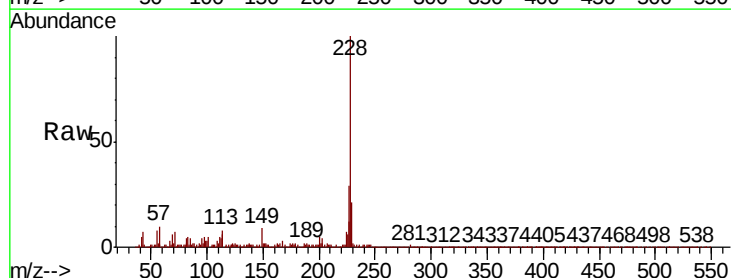
Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

Tgt Ion:228 Resp: 153420

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	21.1	15.8	23.6

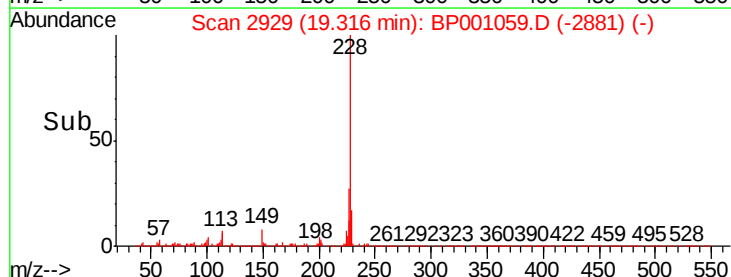
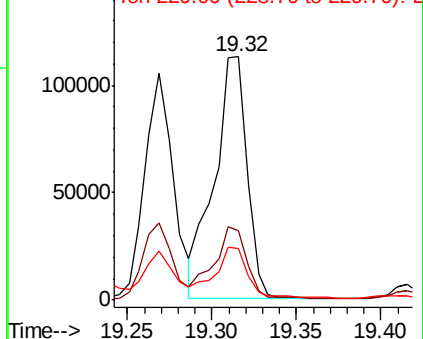


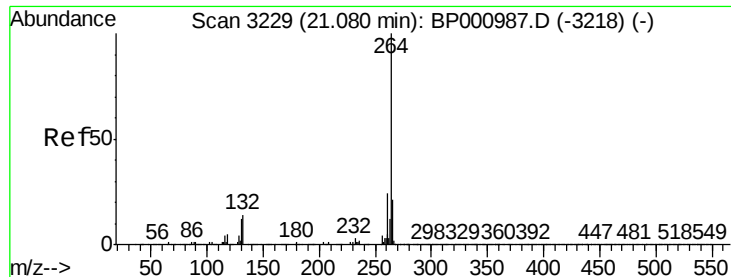
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 21.06 min Scan# 3226

Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

Instrument :

BNA_P

ClientSampleId :

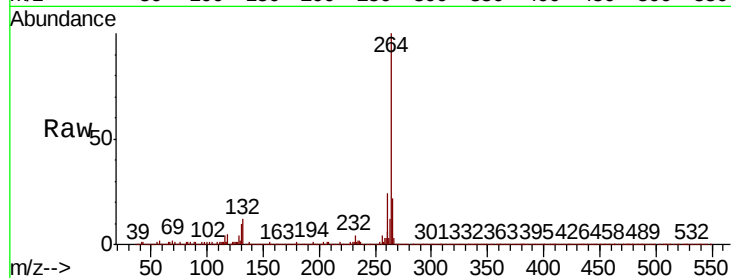
Tot Ion:264 Resp: 686153

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

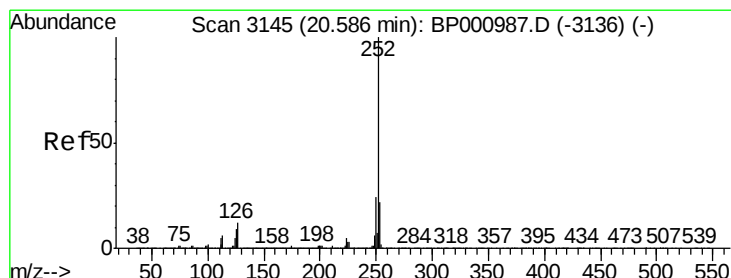
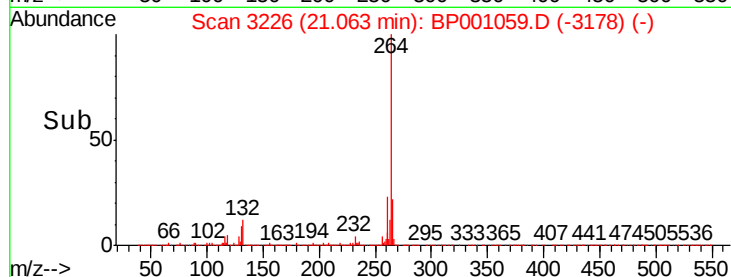
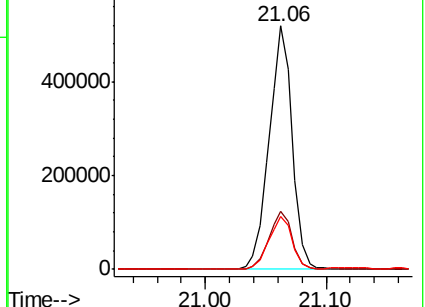
265 21.7 17.1 25.7



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: 5.400 ng

RT: 20.57 min Scan# 3142

Delta R.T. -0.02 min

Lab File: BP001059.D

Acq: 16 Nov 2019 00:56

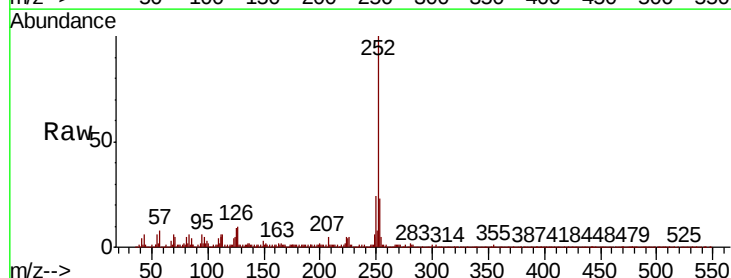
Tgt Ion:252 Resp: 220856

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

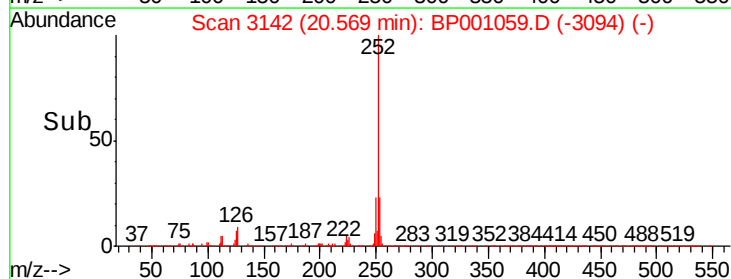
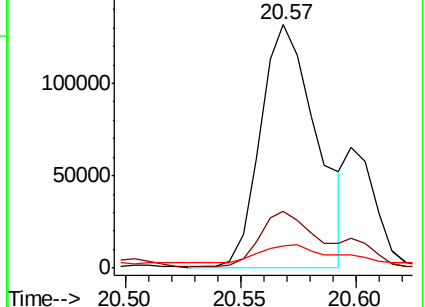
125 9.0 7.3 10.9

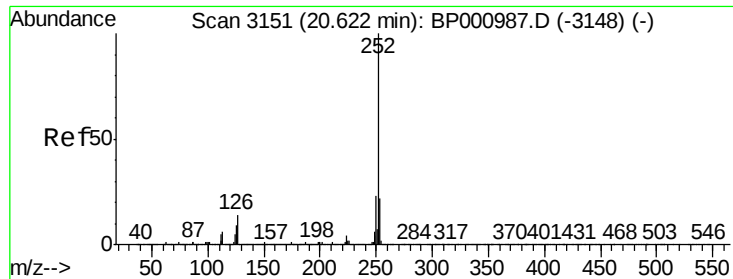


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

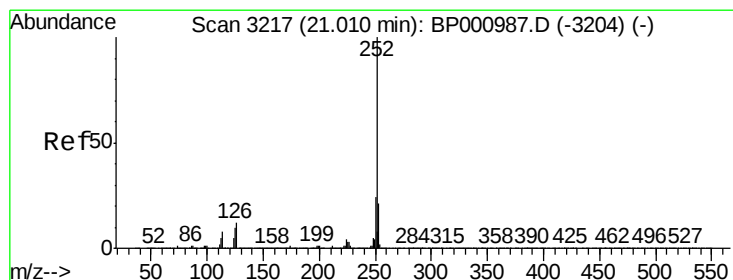
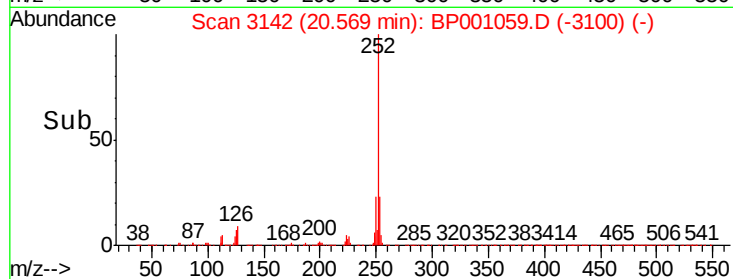
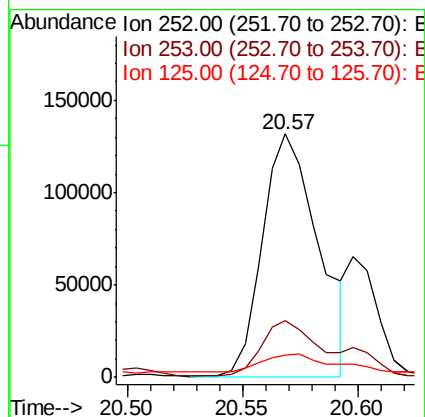
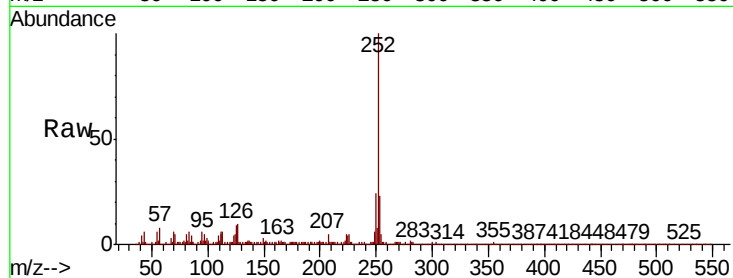




#89
Benzo(k)fluoranthene
Concen: 5.736 ng
RT: 20.57 min Scan# 3142
Delta R.T. -0.05 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

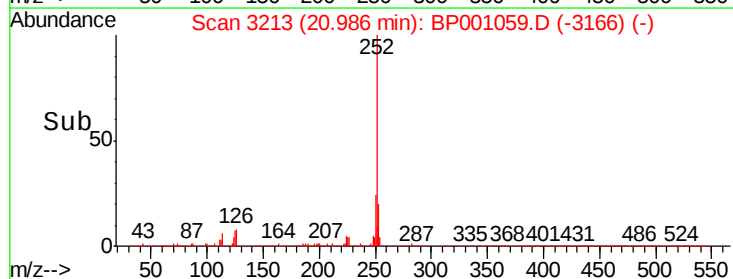
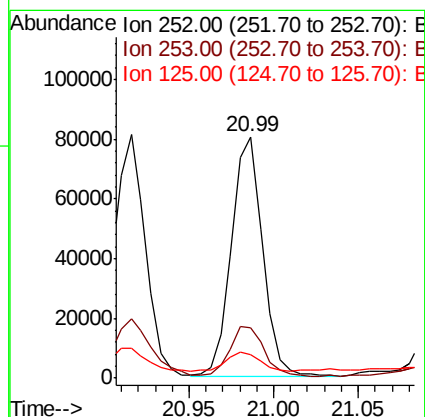
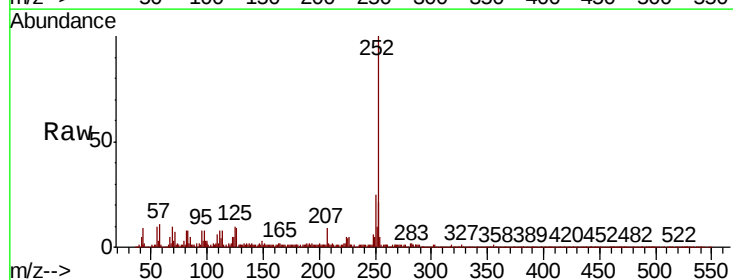
Instrument :
BNA_P
ClientSampleId :

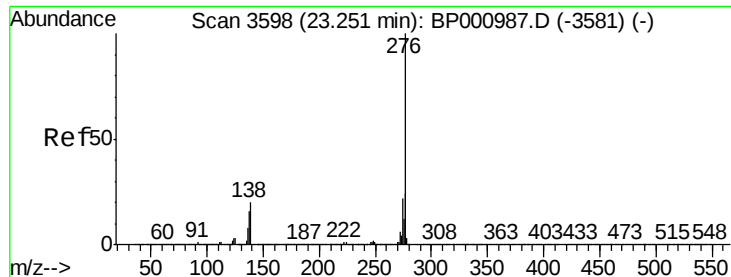
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	9.0	7.3	10.9



#90
Benzo(a)pyrene
Concen: 2.724 ng
RT: 20.99 min Scan# 3213
Delta R.T. -0.02 min
Lab File: BP001059.D
Acq: 16 Nov 2019 00:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.1	25.7
125	10.0	7.6	11.4





#92
 Benzo(a,h,i)perylene
 Concen: 2.096 ng
 RT: 23.21 min Scan# 3591
 Delta R.T. -0.04 min
 Lab File: BP001059.D
 Acq: 16 Nov 2019 00:56

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.0	28.4
138	18.4	15.7	23.5

