

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
 Data File : BF112094.D
 Acq On : 17 Jan 2019 17:25
 Operator : JU/SJ
 Sample : K1156-12 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-9

Quant Time: Jan 18 00:09:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 16 18:22:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	290525	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	1079570	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	478827	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	783947	20.00	ng	0.00
76) Chrysene-d12	14.03	240	685341	20.00	ng	0.00
87) Perylene-d12	15.50	264	557442	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	814656	50.90	ng	0.00
7) Phenol-d6	6.50	99	1027718	51.32	ng	0.00
23) Nitrobenzene-d5	7.42	82	587622	37.61	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	226814	43.91	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1236172	37.85	ng	0.00
79) Terphenyl-d14	12.97	244	1085915	33.71	ng	0.00

Target Compounds

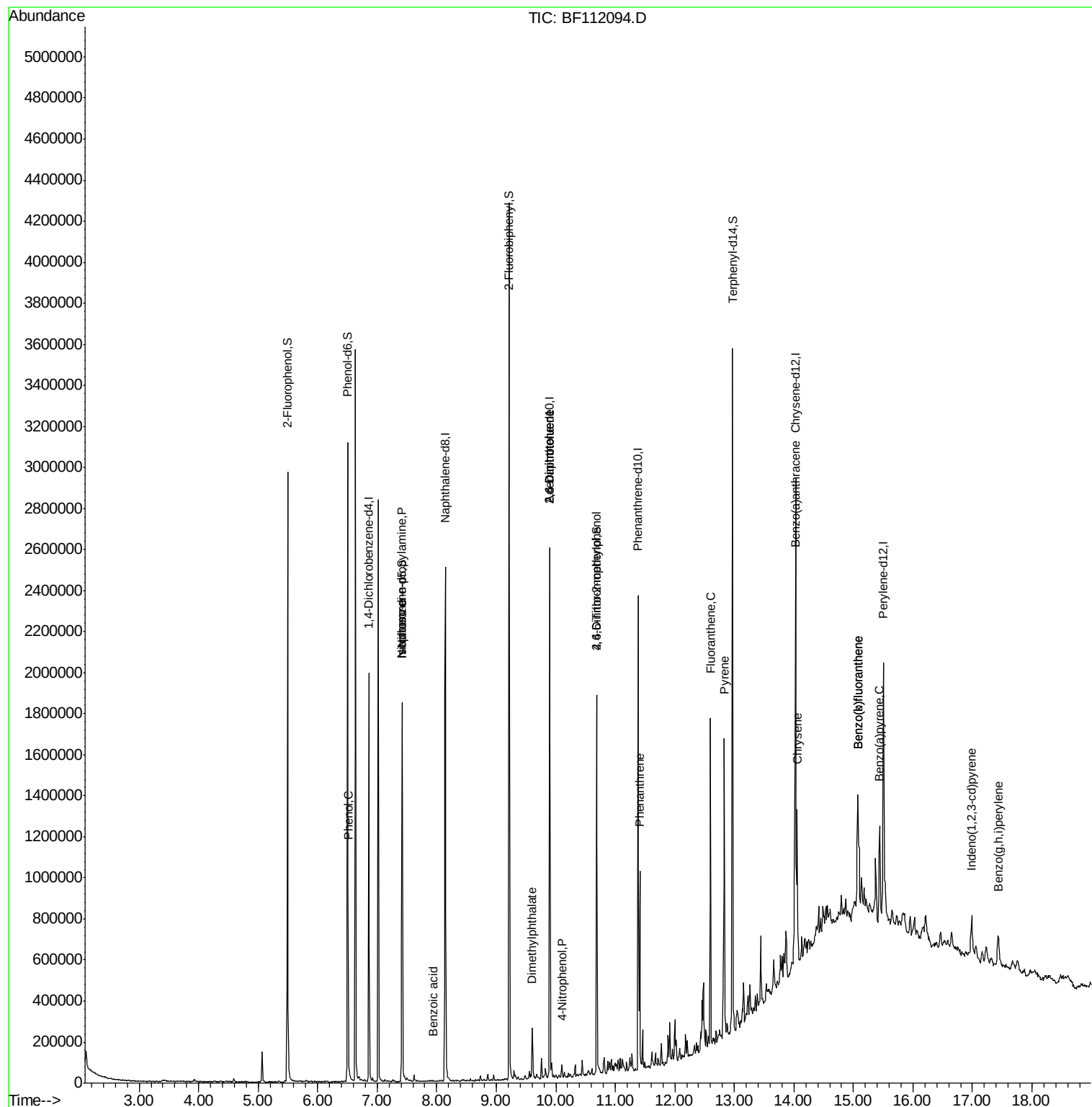
					Qvalue	
9) Benzaldehyde	6.50	77	2811	Below Cal	#	1
10) Phenol	6.52	94	60138	2.748 ng	#	71
19) n-Nitroso-di-n-propylamine	7.42	70	77480	6.351 ng	#	78
25) Isophorone	7.42	82	587616	19.469 ng	#	64
32) Benzoic acid	7.94	122	129	7.190 ng	#	35
50) Dimethylphthalate	9.60	163	96464	2.762 ng		100
51) 2,6-Dinitrotoluene	9.90	165	62762	9.000 ng	#	34
56) 4-Nitrophenol	10.10	139	6991	6.821 ng	#	21
57) 2,4-Dinitrotoluene	9.90	165	63286	10.976 ng	#	31
65) 4,6-Dinitro-2-methylphenol	10.69	198	417	10.170 ng	#	1
71) Phenanthrene	11.41	178	338439	8.578 ng		98
75) Fluoranthene	12.60	202	614689	14.757 ng		98
78) Pyrene	12.83	202	574237	12.700 ng		99
81) Benzo(a)anthracene	14.02	228	318390	8.102 ng		99
83) Chrysene	14.05	228	285345	7.674 ng		96
86) Indeno(1,2,3-cd)pyrene	16.99	276	115972	3.381 ng		97
88) Benzo(b)fluoranthene	15.07	252	422199	13.343 ng	#	97
89) Benzo(k)fluoranthene	15.07	252	422199	13.786 ng		98
90) Benzo(a)pyrene	15.44	252	218380	7.526 ng	#	94
92) Benzo(a,h,i)perylene	17.43	276	114097	4.494 ng		98

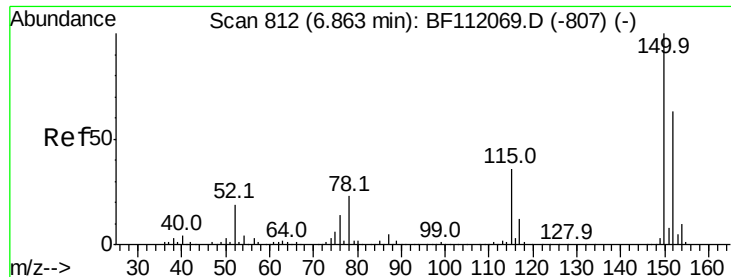
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\
Data File : BF112094.D
Acq On : 17 Jan 2019 17:25
Operator : JU/SJ
Sample : K1156-12 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-9

Quant Time: Jan 18 00:09:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 16 18:22:05 2019
Response via : Initial Calibration



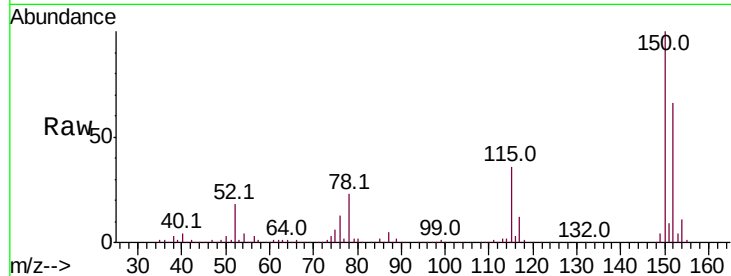


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	127.4	191.0
115	54.5	45.5	68.3

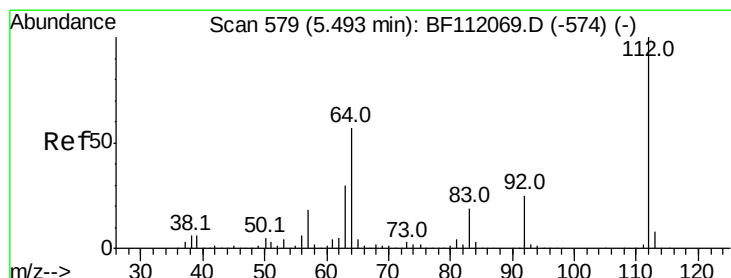
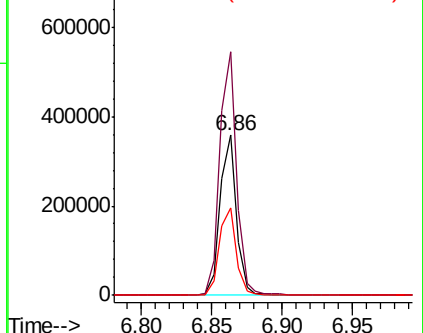
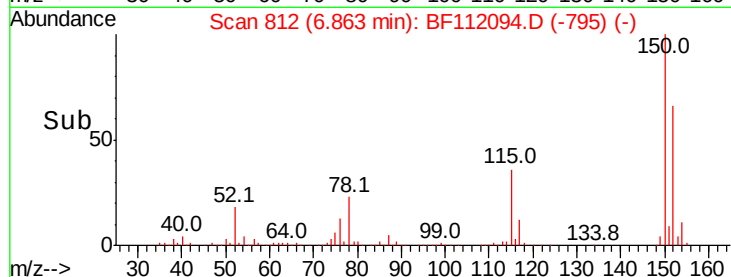


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

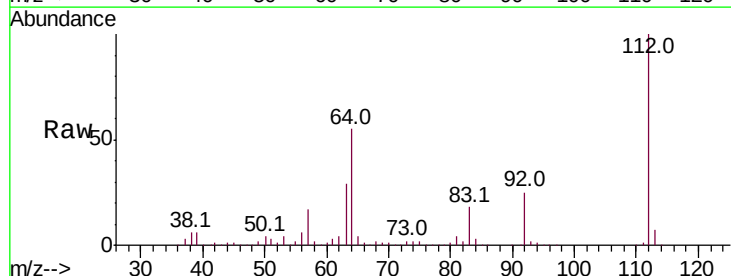
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.895 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.7	68.5
63	28.6	23.6	35.4

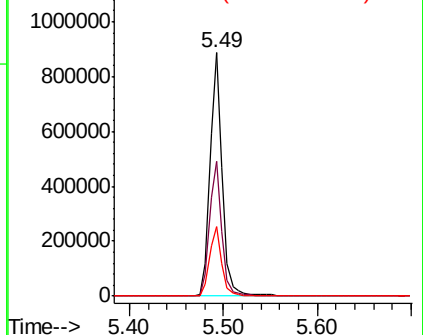
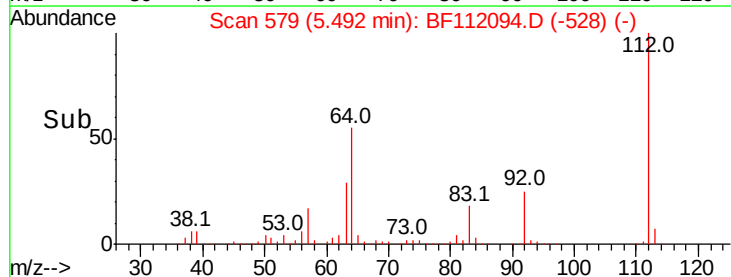


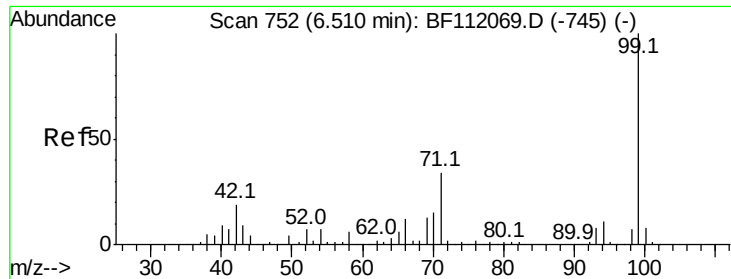
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 51.318 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampled :

COMP-9

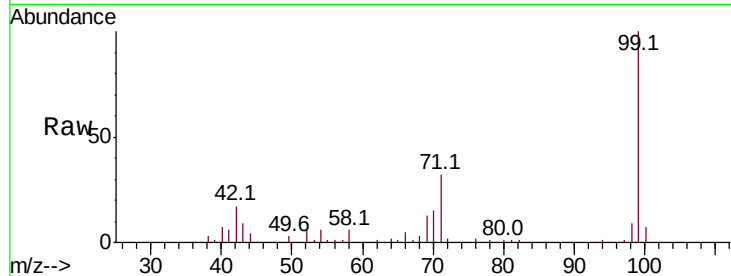
Tot Ion: 99 Resp: 1027718

Ion Ratio Lower Upper

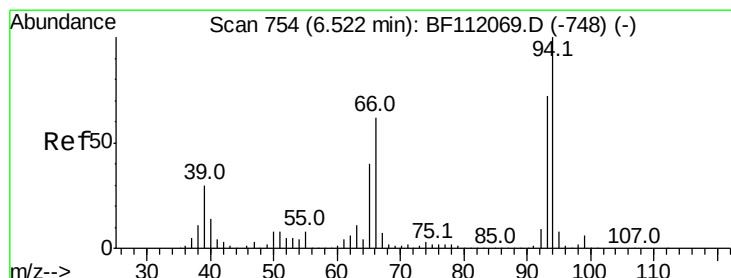
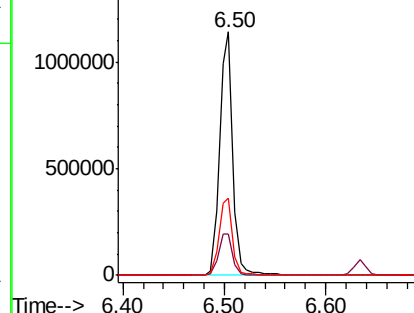
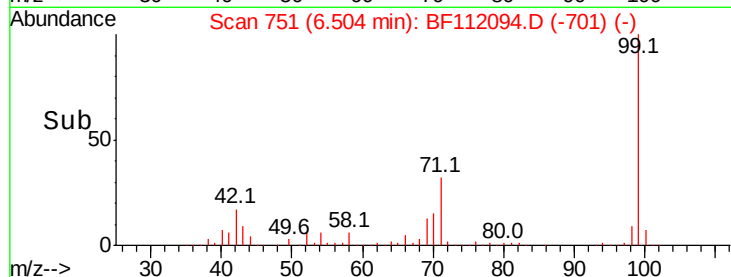
99 100

42 17.1 15.1 22.7

71 31.8 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.748 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

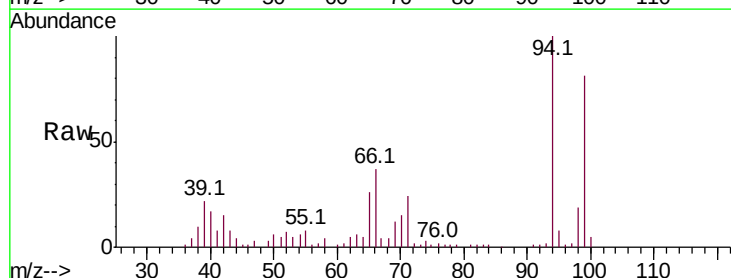
Tgt Ion: 94 Resp: 60138

Ion Ratio Lower Upper

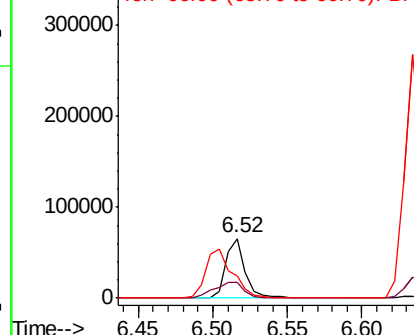
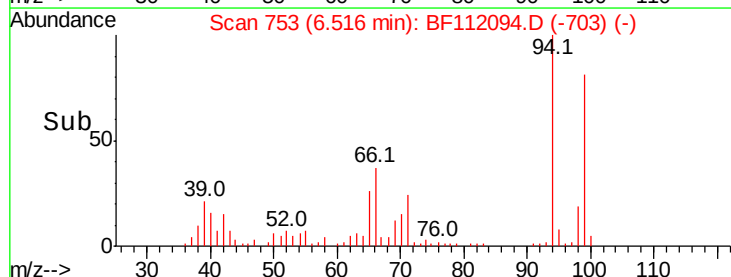
94 100

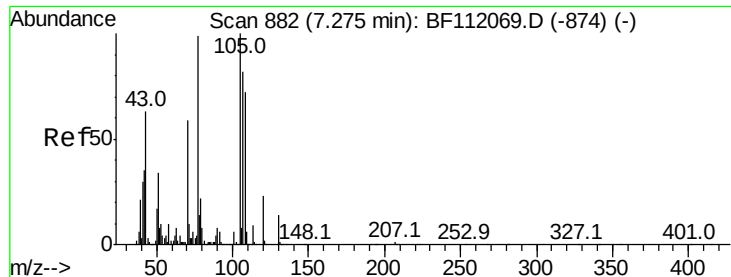
65 26.1 20.3 60.3

66 37.3 42.4 82.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

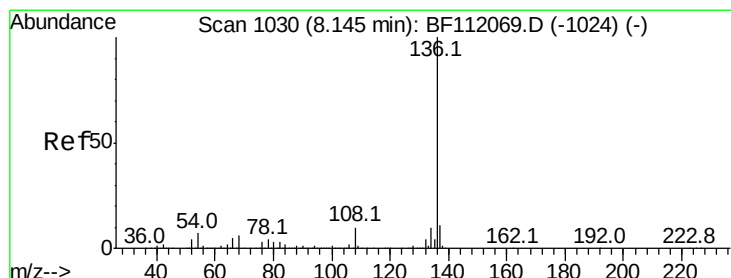
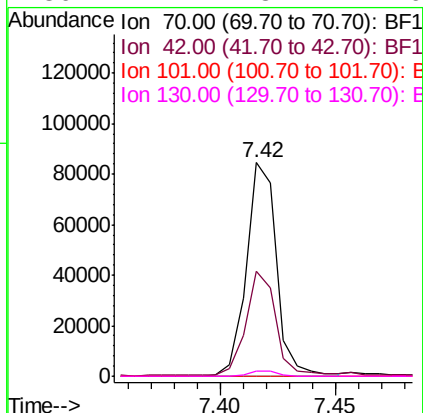
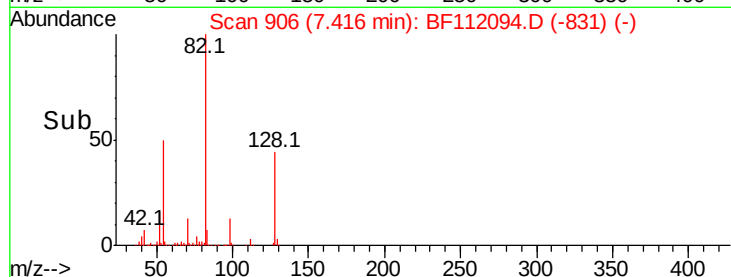
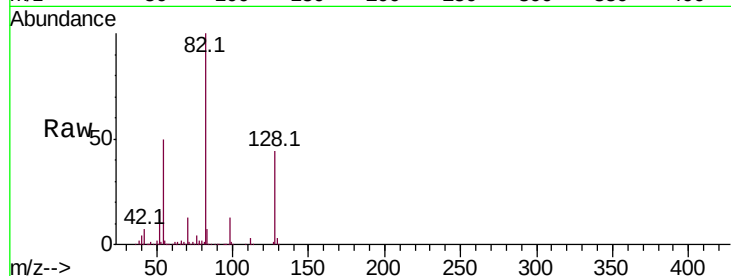




#19
n-Nitroso-di-n-propylamine
Concen: 6.351 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.14 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

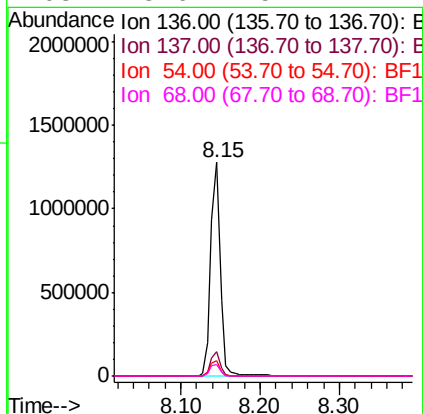
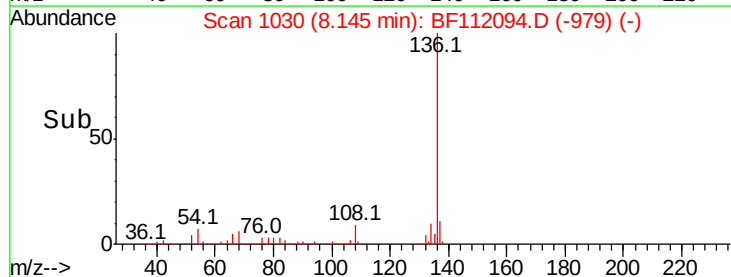
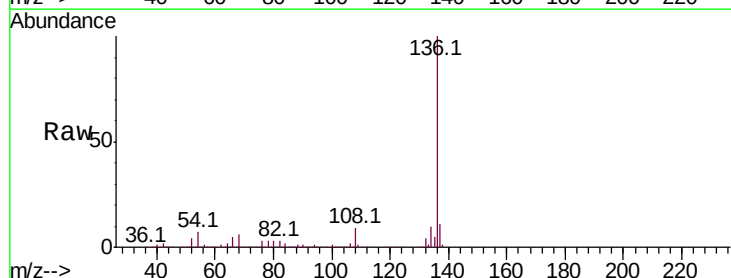
Instrument :
BNA_F
ClientSampleId :
COMP-9

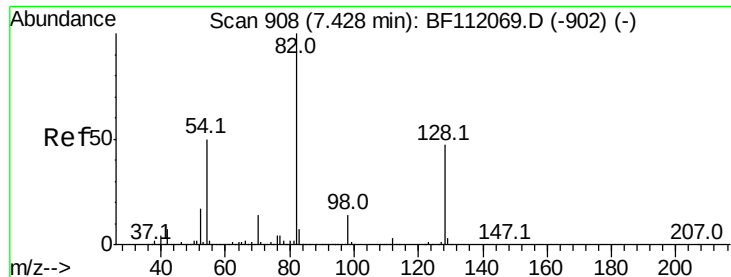
Tot Ion: 70 Resp: 77480
Ion Ratio Lower Upper
70 100
42 49.4 47.6 71.4
101 0.0 7.9 11.9#
130 2.2 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion: 136 Resp: 1079570
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.1 5.9 8.9
68 5.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 37.606 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampled :

COMP-9

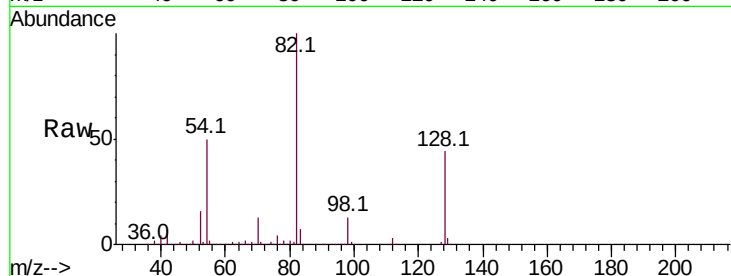
Tot Ion: 82 Resp: 587622

Ion Ratio Lower Upper

82 100

128 44.3 37.8 56.8

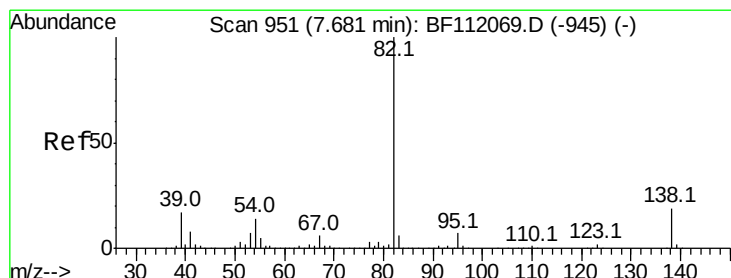
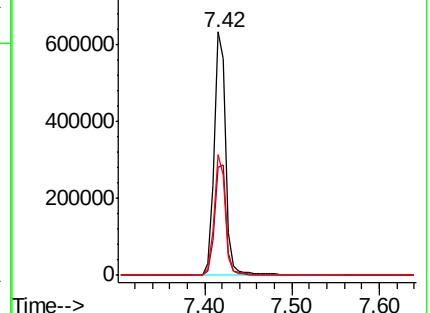
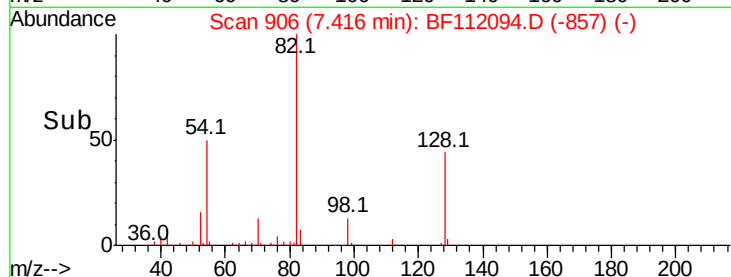
54 49.6 39.7 59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 19.469 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

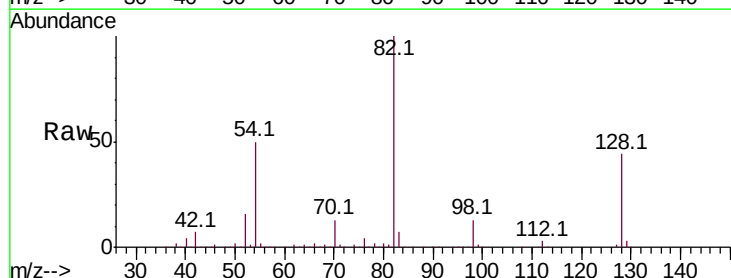
Tgt Ion: 82 Resp: 587616

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

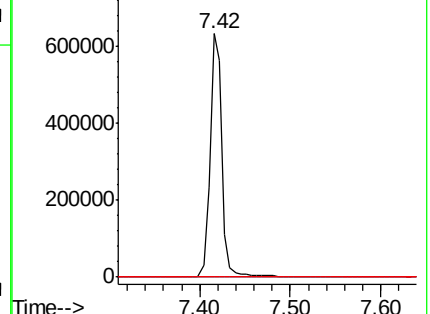
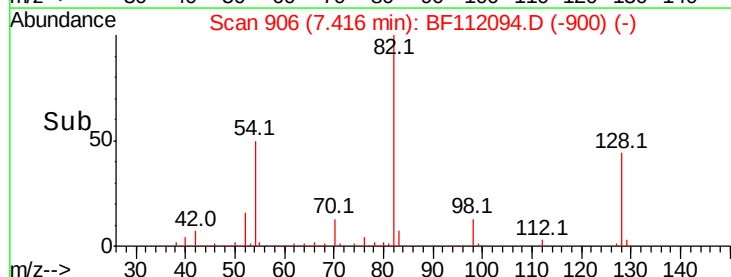
138 0.0 15.4 23.0#

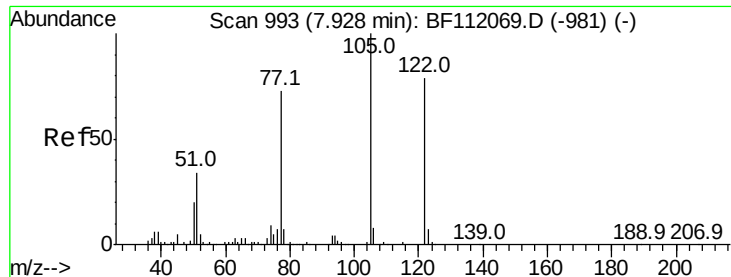


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

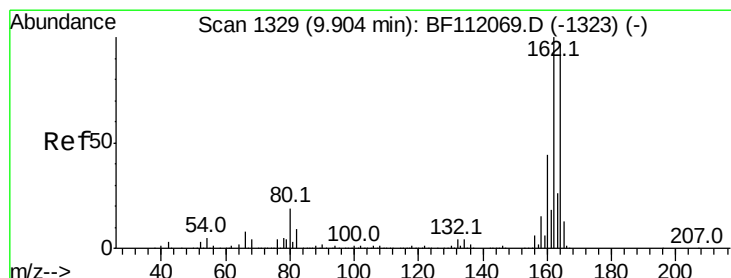
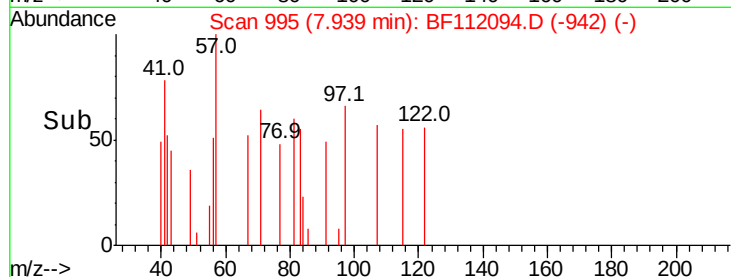
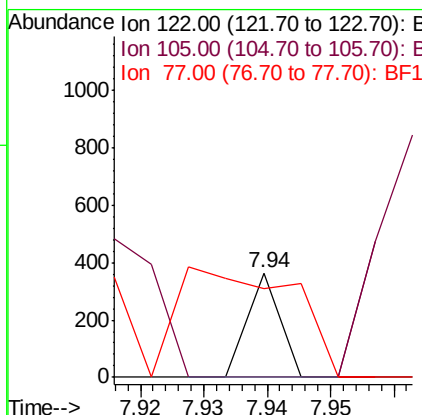
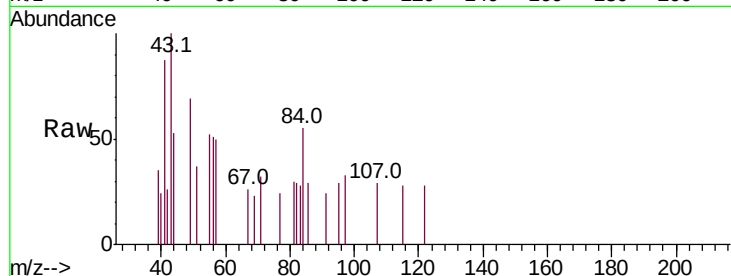




#32
Benzoic acid
Concen: 7.190 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

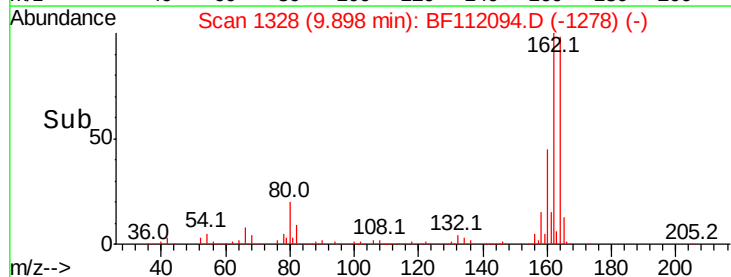
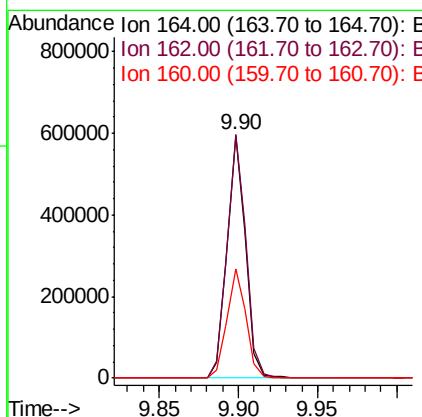
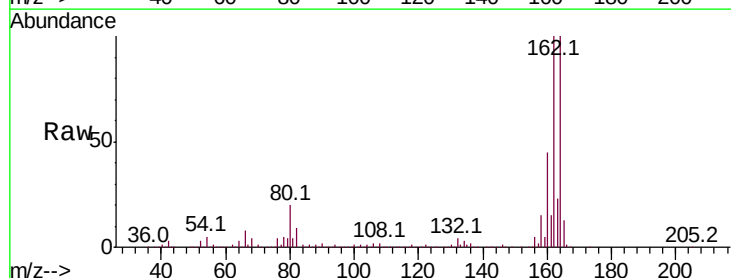
Instrument :
BNA_F
ClientSampleId :
COMP-9

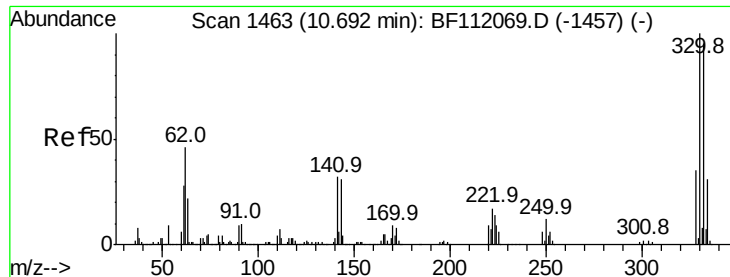
Tot Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 0.0 101.2 141.2#
77 84.9 70.4 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion:164 Resp: 478827
Ion Ratio Lower Upper
164 100
162 100.3 82.2 123.4
160 45.1 36.2 54.4

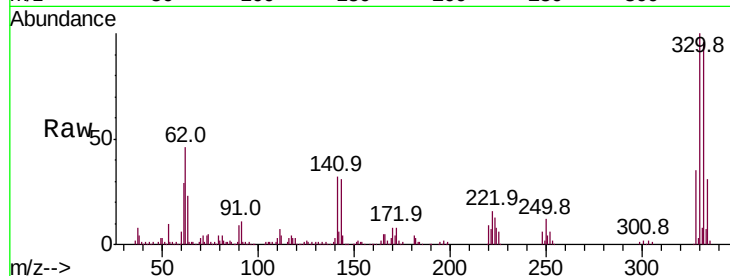




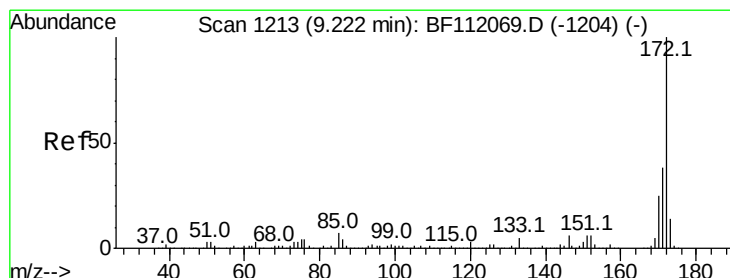
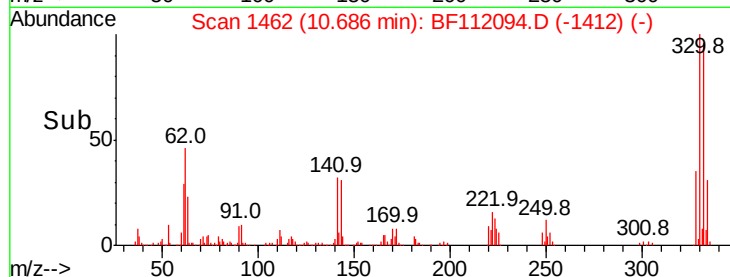
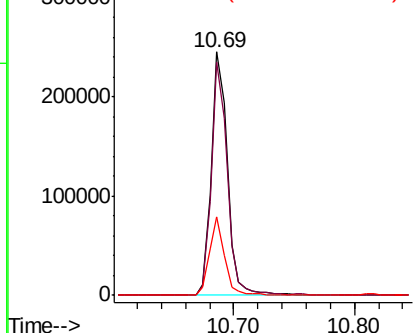
#42
 2,4,6-Tribromophenol
 Concen: 43.909 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112094.D
 Acq: 17 Jan 2019 17:25

Instrument :
 BNA_F
 ClientSampleId :
 COMP-9

Tot Ion:330 Resp: 226814
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 114.8
 141 29.6 24.3 36.5

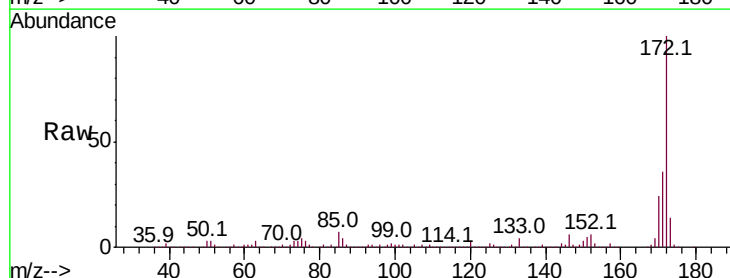


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

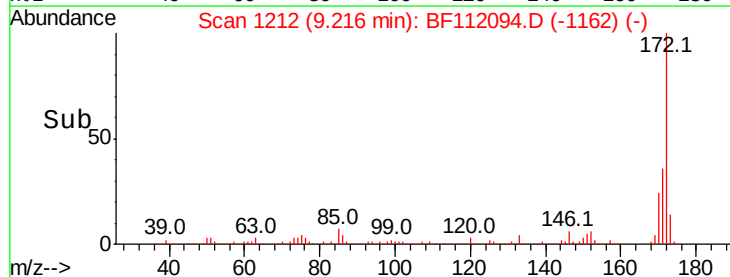
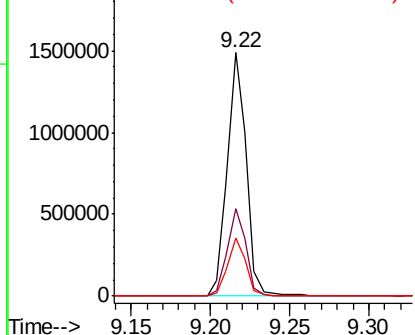


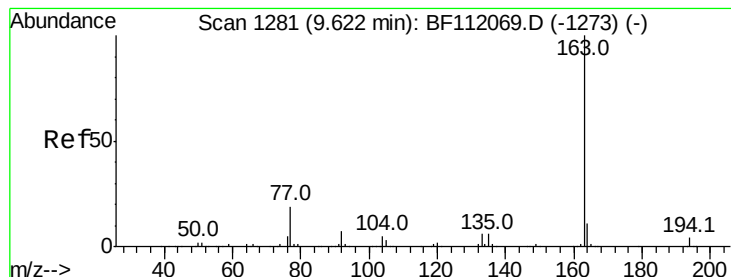
#45
 2-Fluorobiphenyl
 Concen: 37.850 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF112094.D
 Acq: 17 Jan 2019 17:25

Tgt Ion:172 Resp: 1236172
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.5 45.7
 170 23.9 20.2 30.4



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: 2.762 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampled :

COMP-9

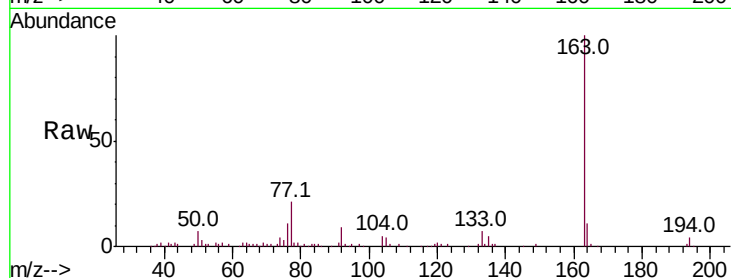
Tot Ion:163 Resp: 96464

Ion Ratio Lower Upper

163 100

194 4.4 3.3 4.9

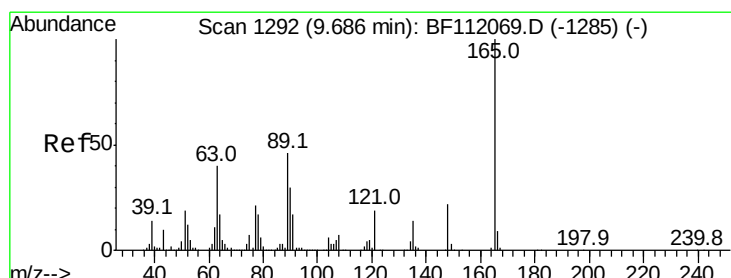
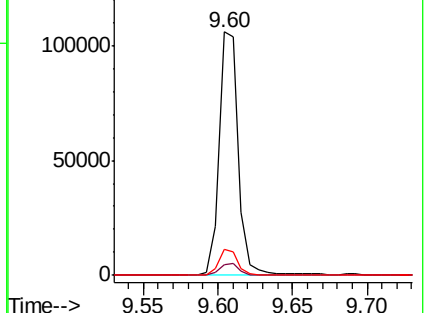
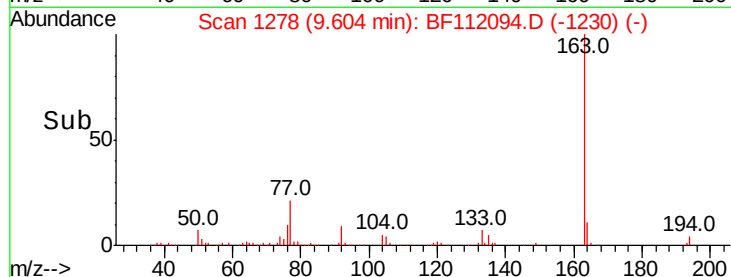
164 10.6 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 9.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

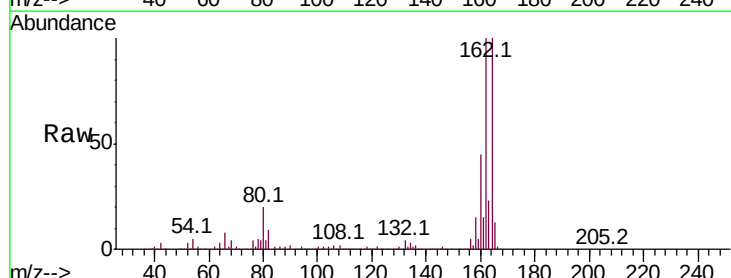
Tgt Ion:165 Resp: 62762

Ion Ratio Lower Upper

165 100

63 1.5 33.8 50.8#

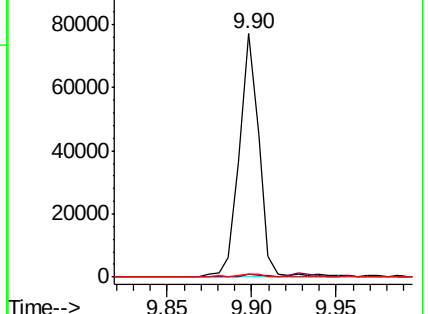
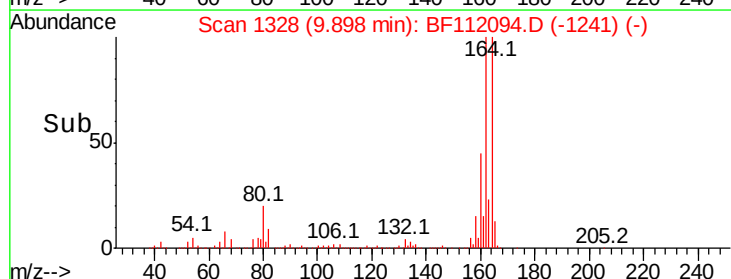
89 1.2 36.9 55.3#

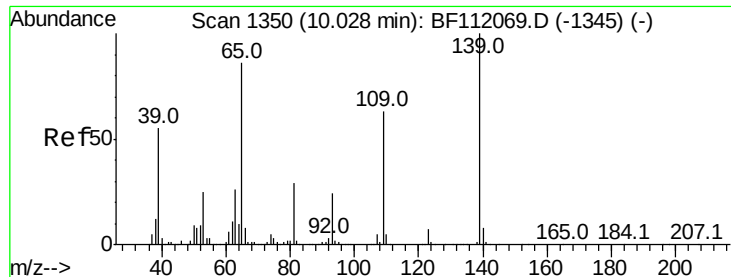


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

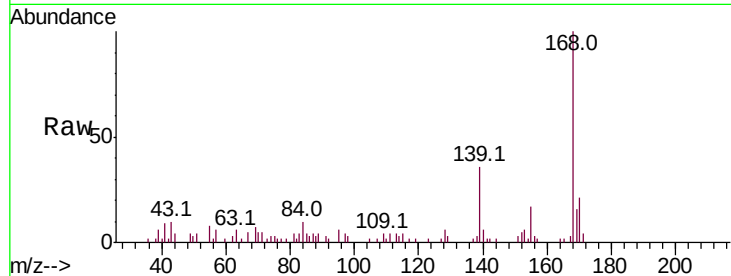




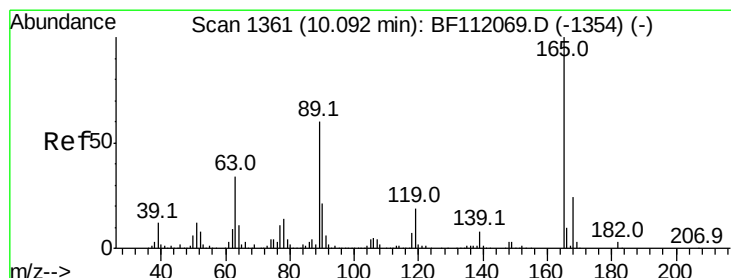
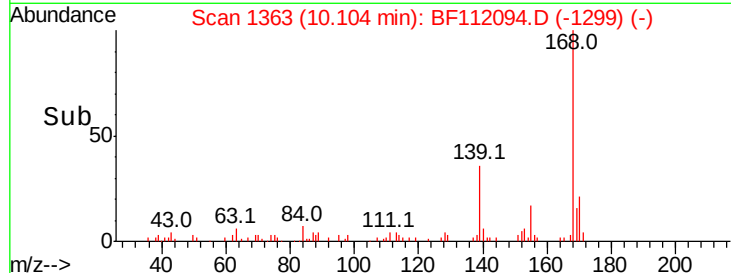
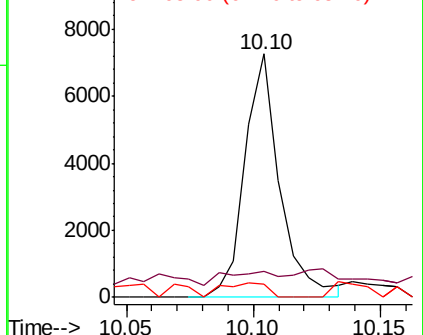
#56
4-Nitrophenol
Concen: 6.821 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

Tot Ion:139 Resp: 6991
Ion Ratio Lower Upper
139 100
109 10.7 42.8 82.8#
65 5.7 66.1 106.1#

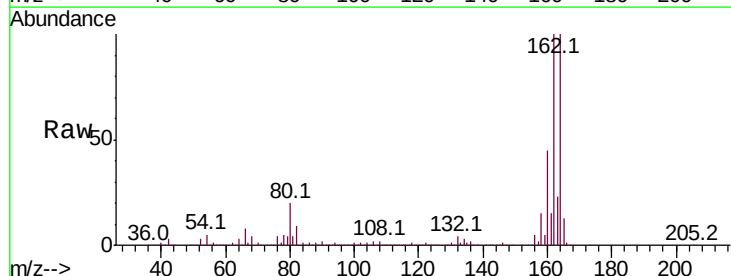


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

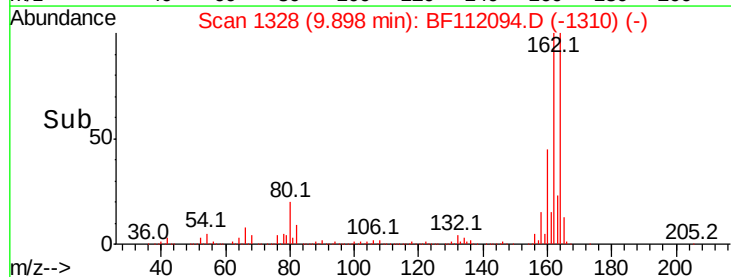
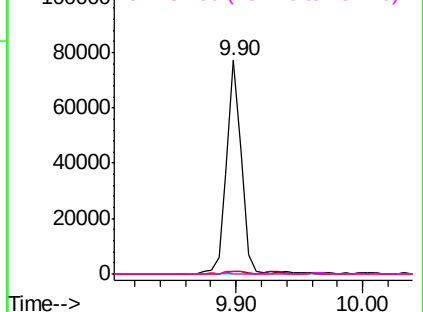


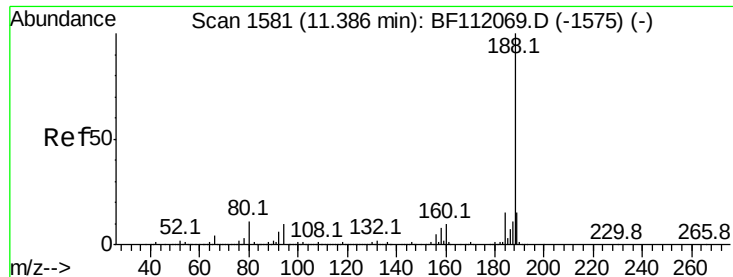
#57
2,4-Dinitrotoluene
Concen: 10.976 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.19 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion:165 Resp: 63286
Ion Ratio Lower Upper
165 100
63 1.5 27.9 41.9#
89 1.2 47.9 71.9#
182 0.0 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampleId :

COMP-9

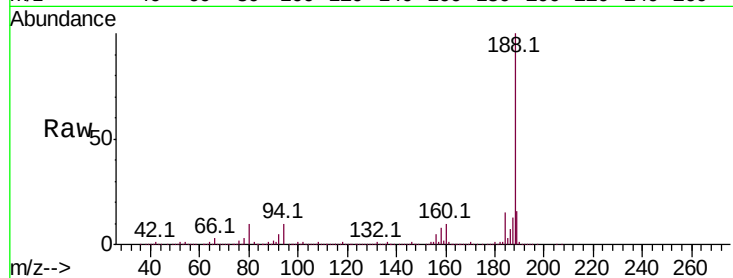
Tot Ion:188 Resp: 783947

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.2

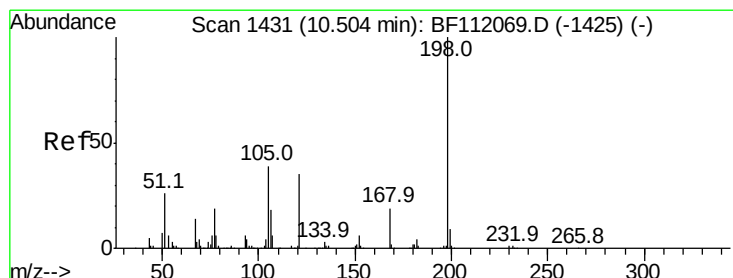
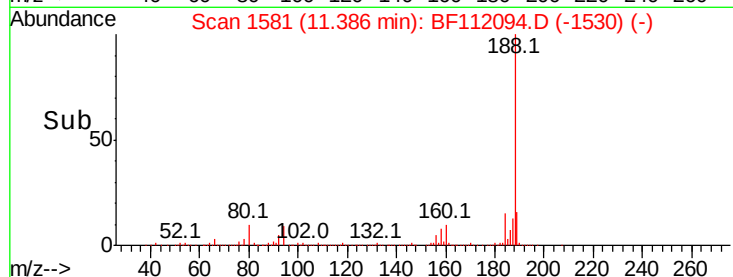
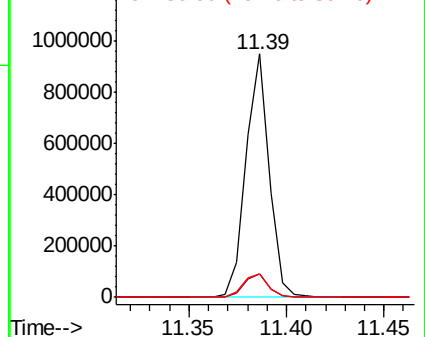
80 9.7 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 10.170 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.18 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

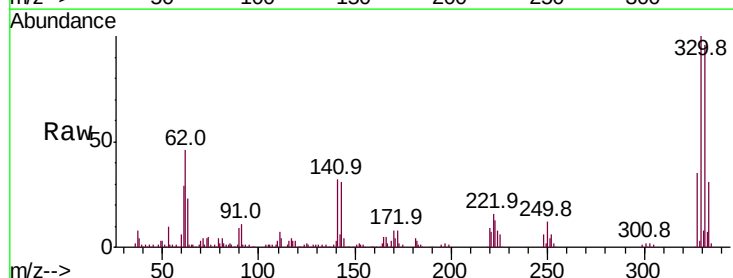
Tgt Ion:198 Resp: 417

Ion Ratio Lower Upper

198 100

51 334.9 17.2 57.2#

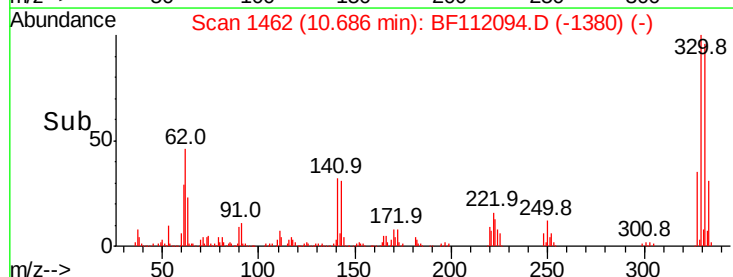
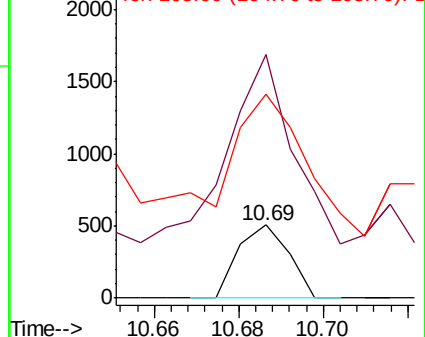
105 280.0 21.9 61.9#

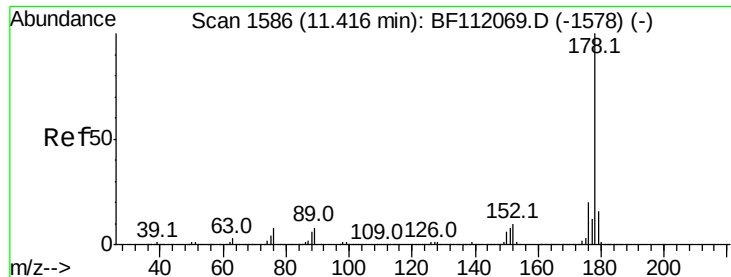


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 8.578 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampled :

COMP-9

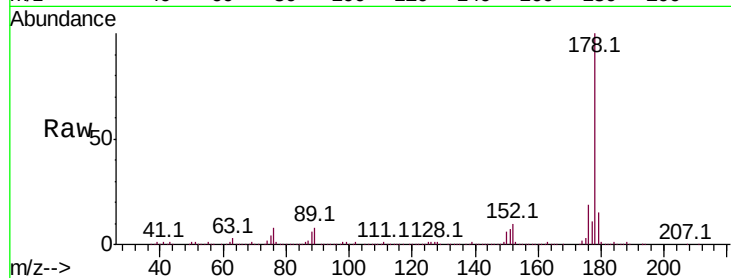
Tot Ion:178 Resp: 338439

Ion Ratio Lower Upper

178 100

176 19.1 16.3 24.5

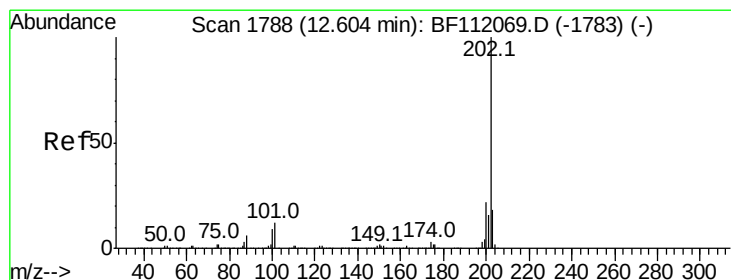
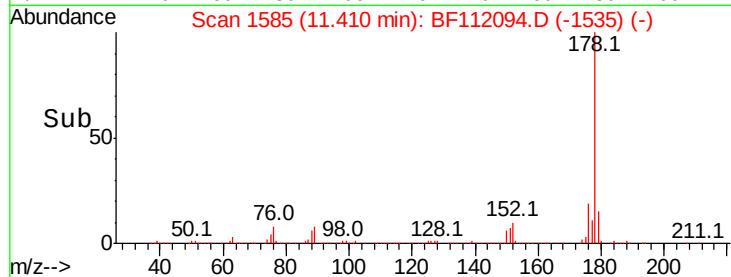
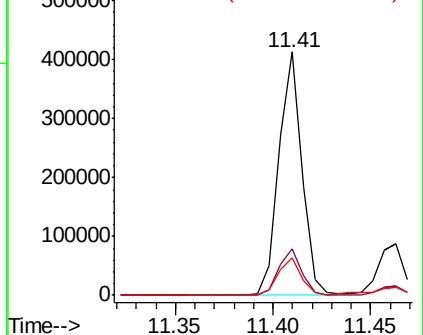
179 15.3 13.0 19.4



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: 14.757 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

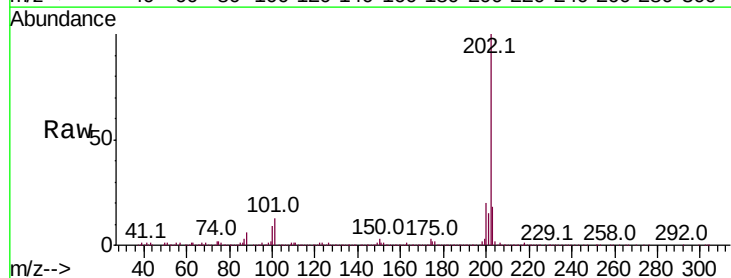
Tgt Ion:202 Resp: 614689

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.8

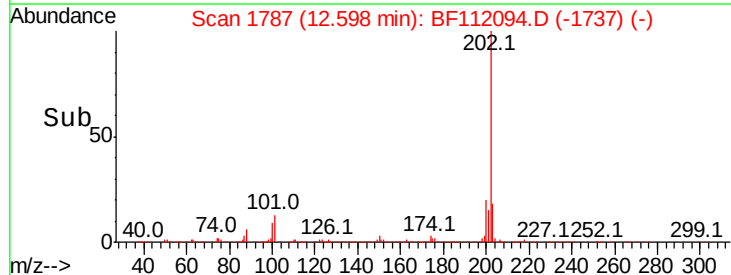
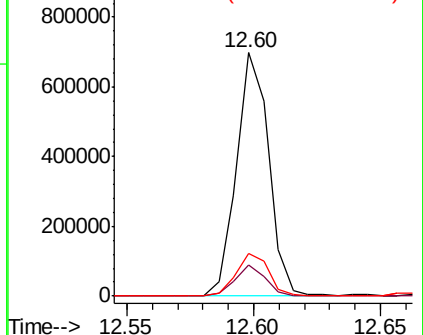
203 17.6 0.0 38.4

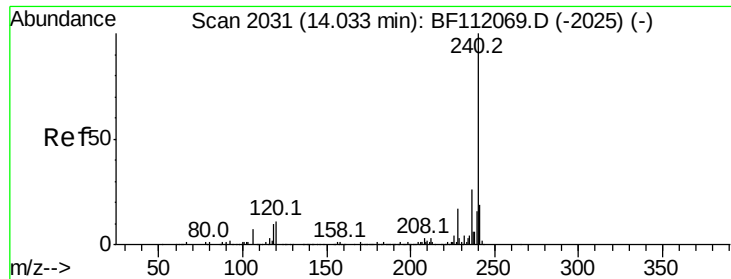


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampleId :

COMP-9

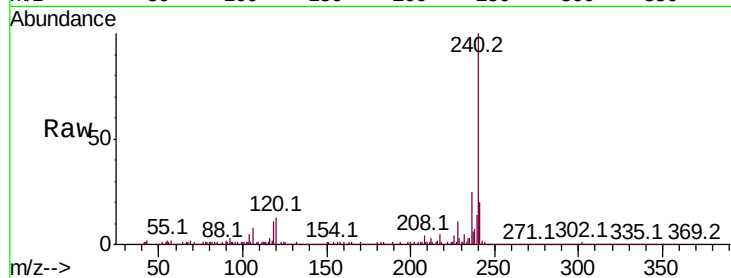
Tot Ion:240 Resp: 685341

Ion Ratio Lower Upper

240 100

120 12.6 9.0 13.6

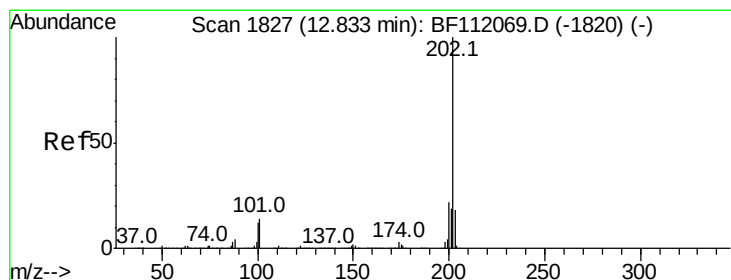
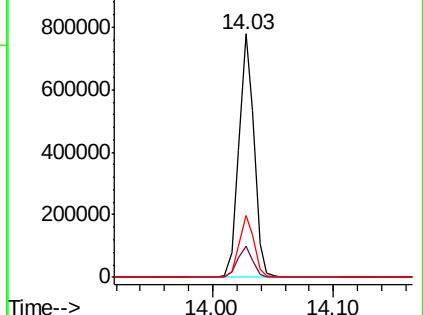
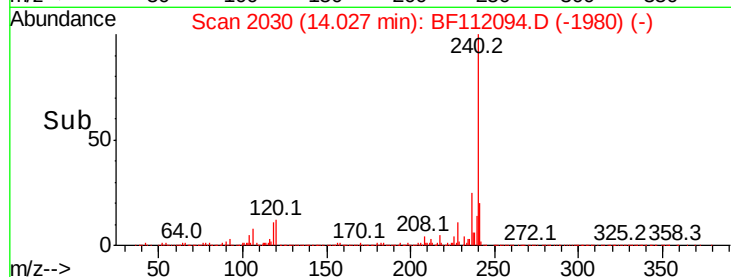
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 12.700 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

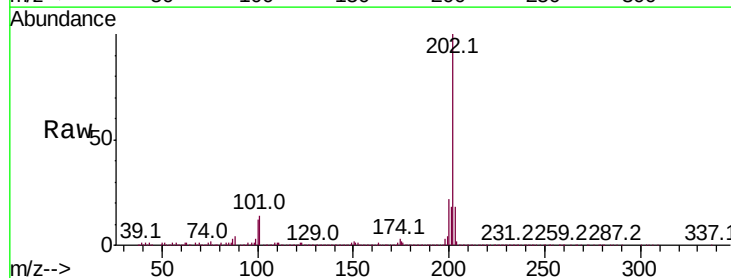
Tgt Ion:202 Resp: 574237

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

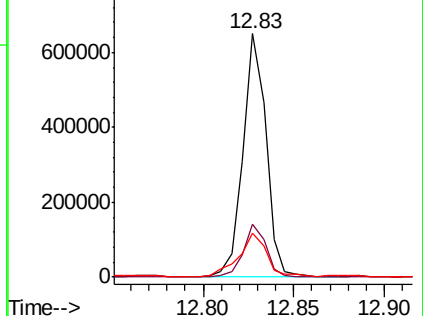
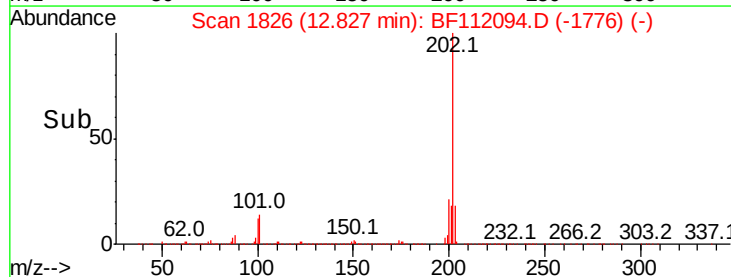
203 18.1 14.6 22.0

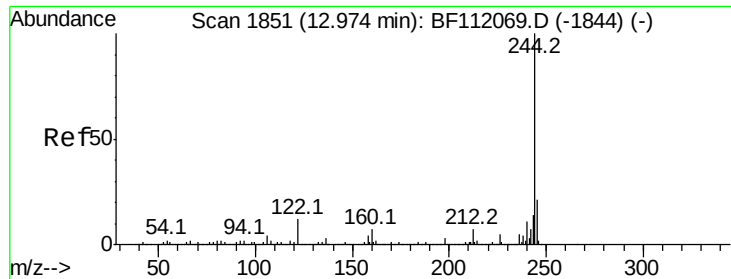


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 33.708 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

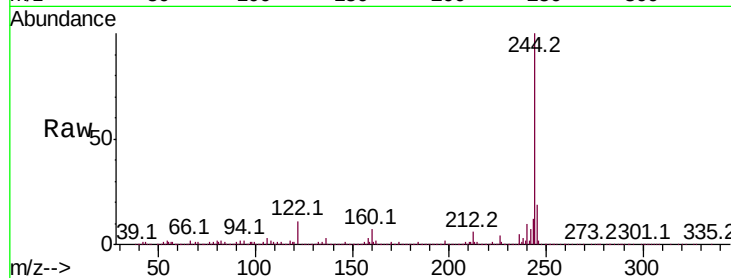
BNA_F

ClientSampleId :

COMP-9

Tot Ion:244 Resp: 1085915

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.9	8.9
122	11.1	9.8	14.6

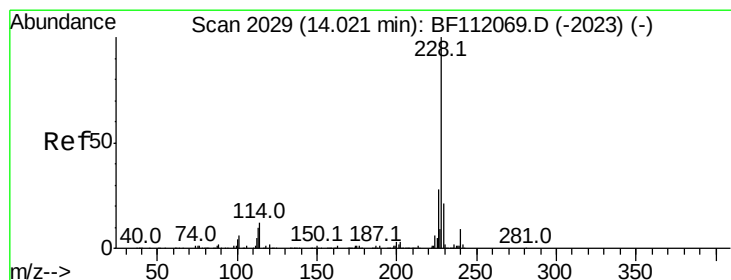
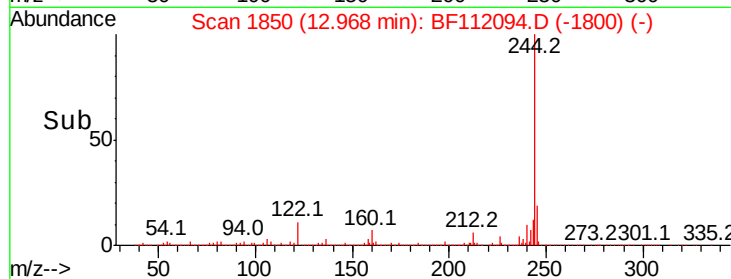
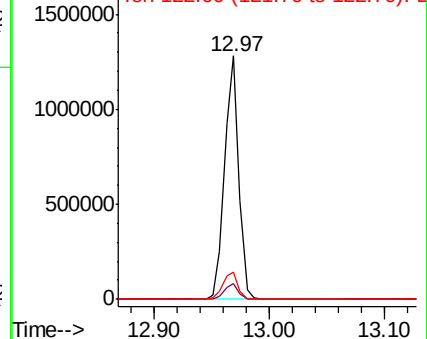


Abundance

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: 8.102 ng

RT: 14.02 min Scan# 2028

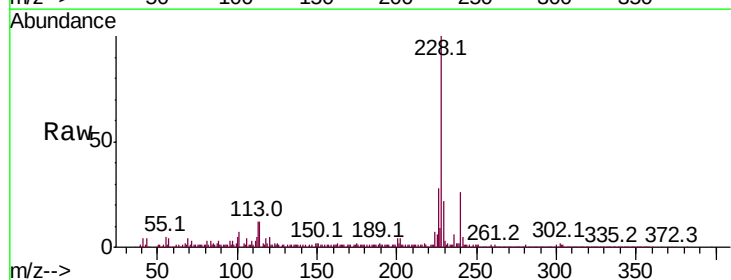
Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Tgt Ion:228 Resp: 318390

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	22.1	16.5	24.7

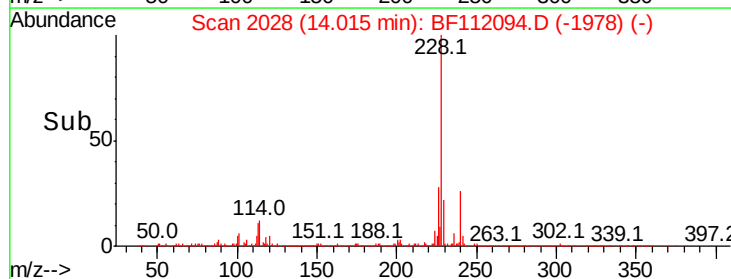
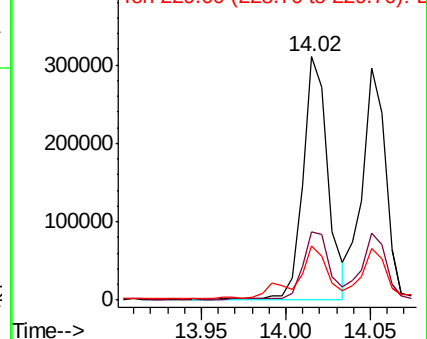


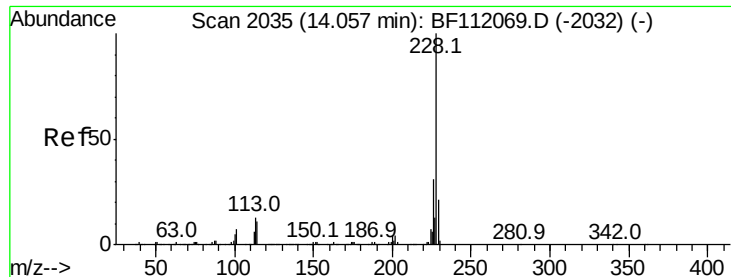
Abundance

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: 7.674 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampleId :

COMP-9

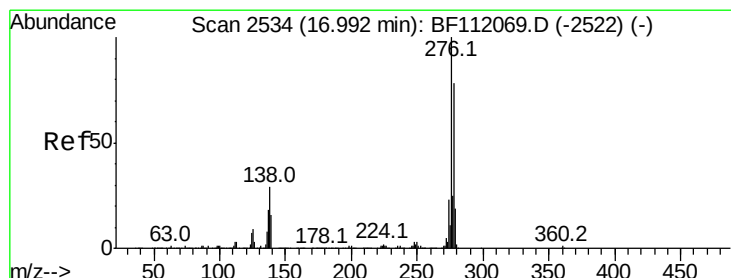
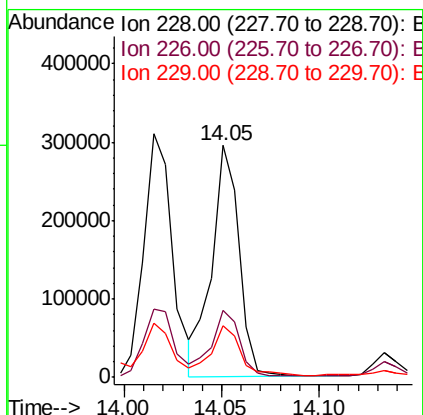
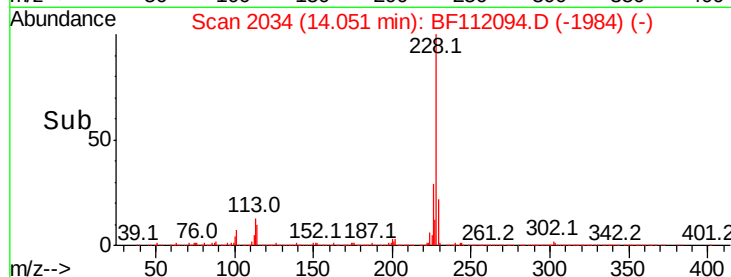
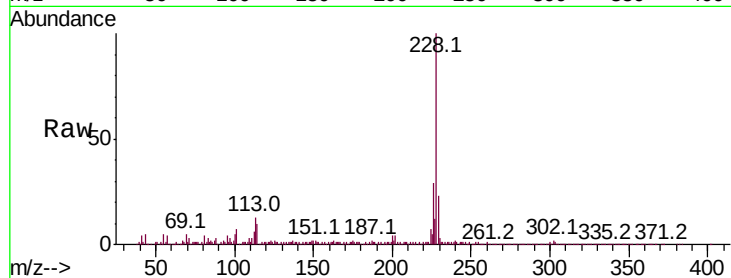
Tot Ion:228 Resp: 285345

Ion Ratio Lower Upper

228 100

226 29.1 25.0 37.6

229 22.5 16.6 24.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.381 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

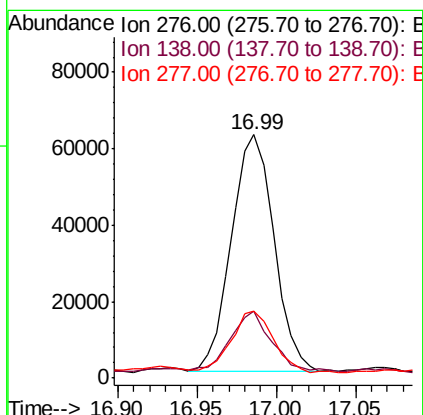
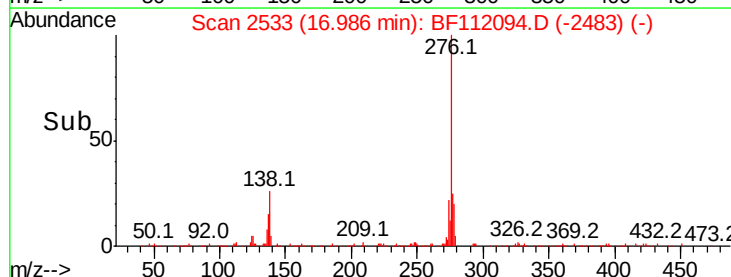
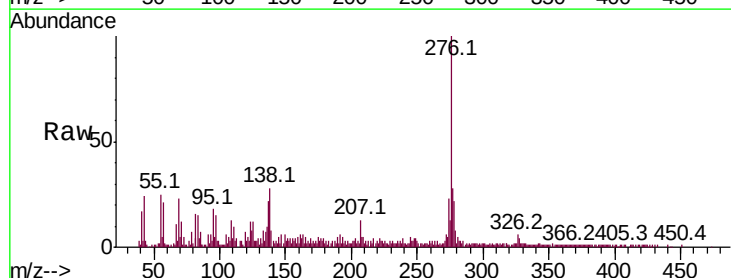
Tgt Ion:276 Resp: 115972

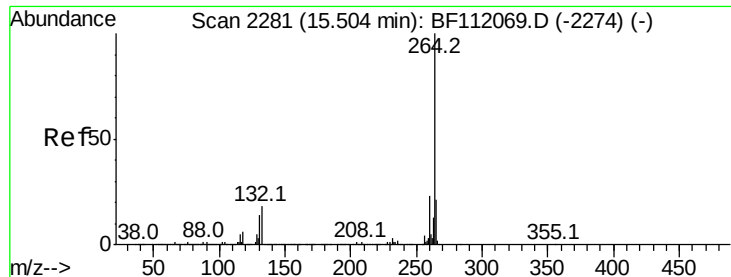
Ion Ratio Lower Upper

276 100

138 25.5 22.6 34.0

277 25.6 20.3 30.5



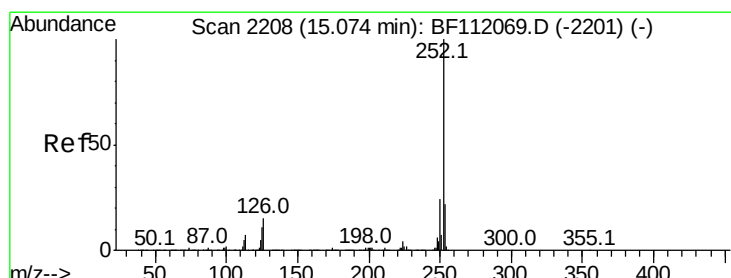
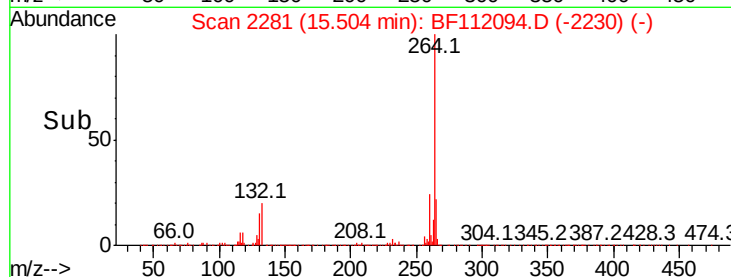
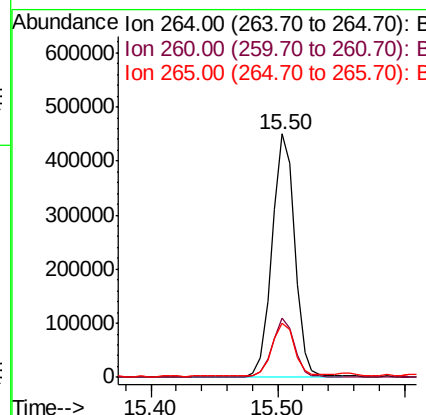
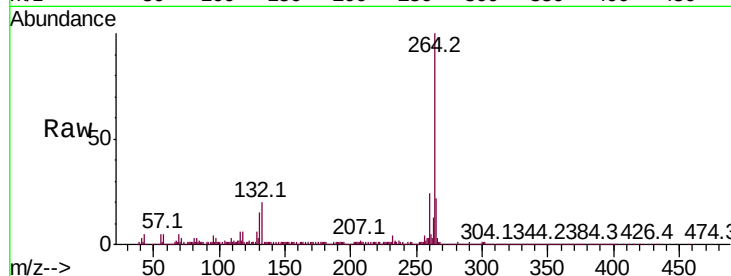


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Instrument :
BNA_F
ClientSampleId :
COMP-9

Tot Ion:264 Resp: 557442

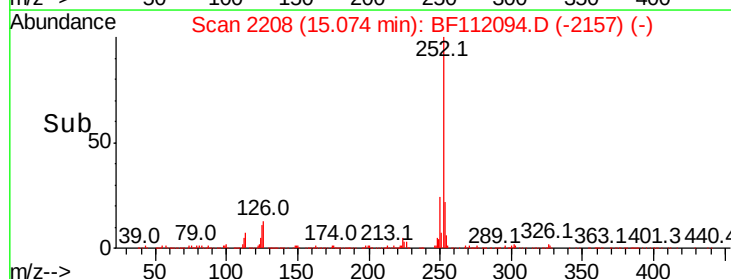
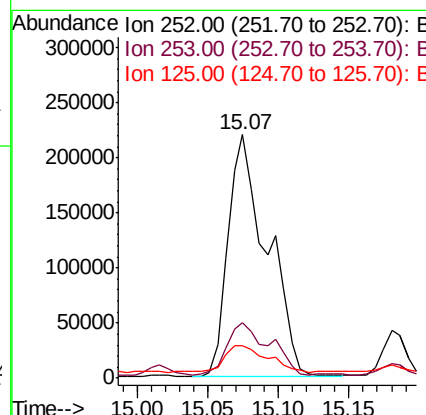
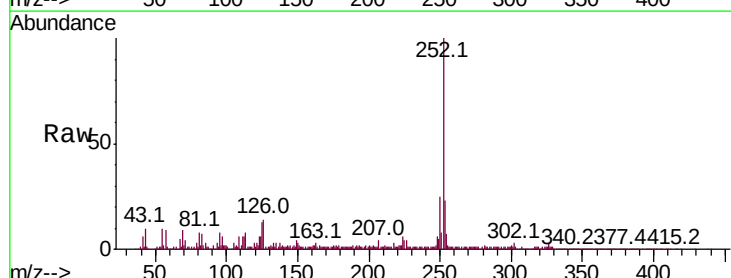
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.2
265	22.1	17.0	25.4

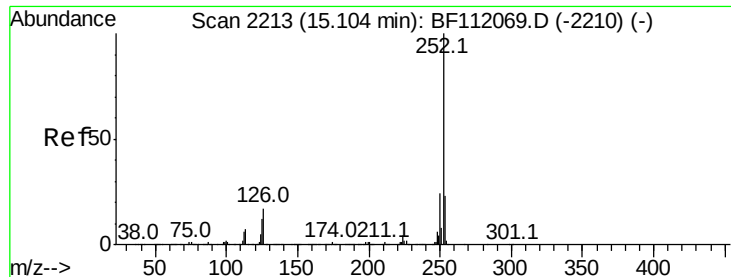


#88
Benzo(b)fluoranthene
Concen: 13.343 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion:252 Resp: 422199

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.4	8.7	13.1#

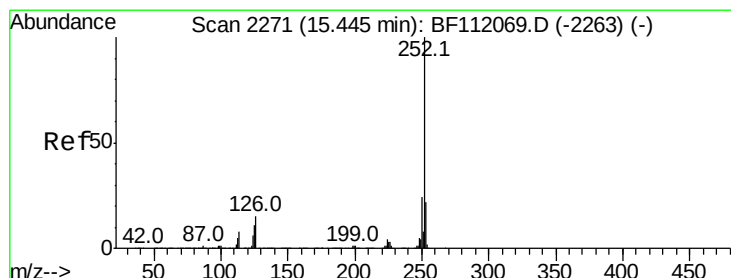
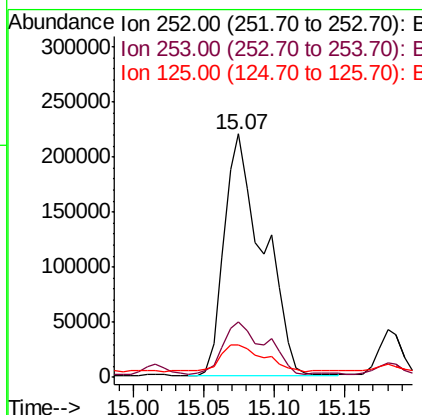
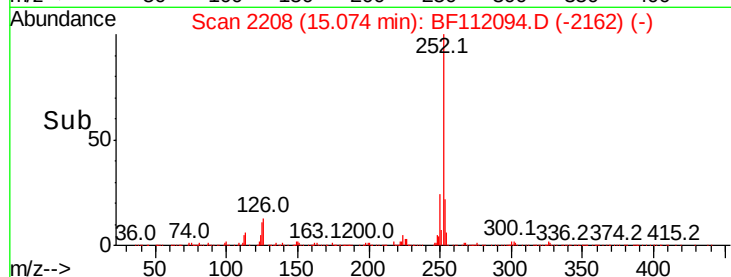
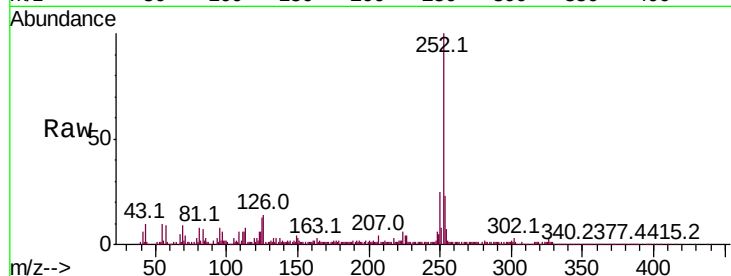




#89
Benzo(k)fluoranthene
Concen: 13.786 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.03 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

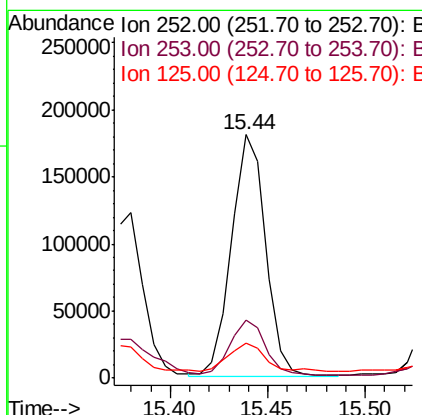
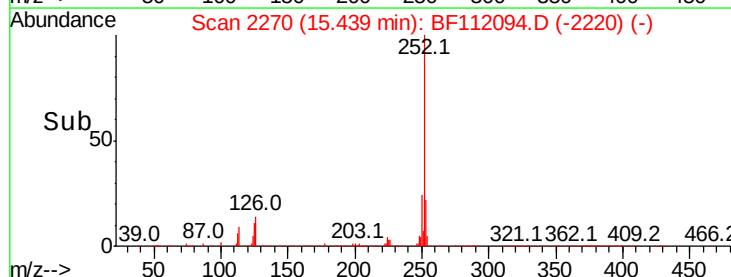
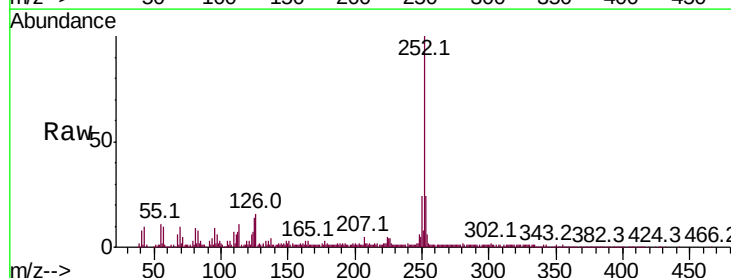
Instrument :
BNA_F
ClientSampleId :
COMP-9

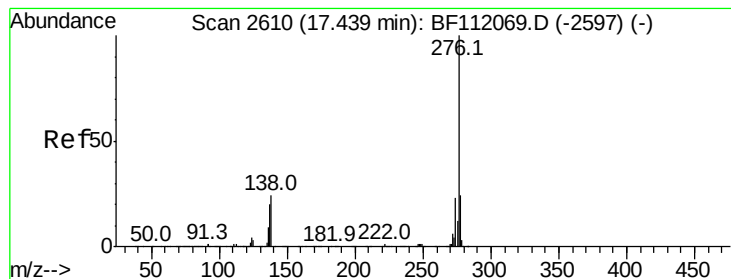
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	13.4	9.1	13.7



#90
Benzo(a)pyrene
Concen: 7.526 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF112094.D
Acq: 17 Jan 2019 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	14.2	9.0	13.4





#92

Benzo(a,h,i)perylene

Concen: 4.494 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BF112094.D

Acq: 17 Jan 2019 17:25

Instrument :

BNA_F

ClientSampleId :

COMP-9

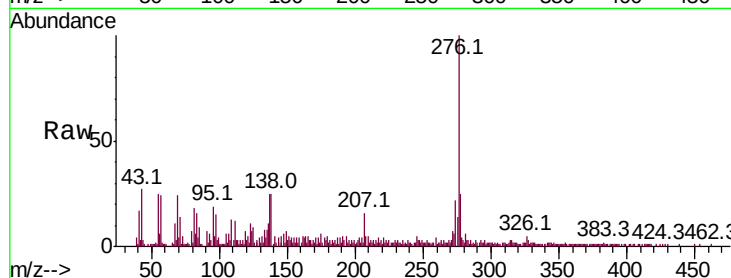
Tot Ion:276 Resp: 114097

Ion Ratio Lower Upper

276 100

277 25.0 19.4 29.0

138 25.3 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

