

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
 Data File : BF114351.D
 Acq On : 17 May 2019 15:54
 Operator : JU/SJ
 Sample : K2871-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 05:02:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	199461	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	768959	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	363257	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	682066	20.00	ng	0.00
76) Chrysene-d12	14.03	240	449277	20.00	ng	0.00
87) Perylene-d12	15.53	264	505212	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1130062	91.17	ng	0.00
7) Phenol-d6	6.49	99	1536423	104.81	ng	0.00
23) Nitrobenzene-d5	7.40	82	909264	66.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	339847	90.49	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1517376	63.19	ng	-0.01
79) Terphenyl-d14	12.96	244	1345467	61.73	ng	0.00

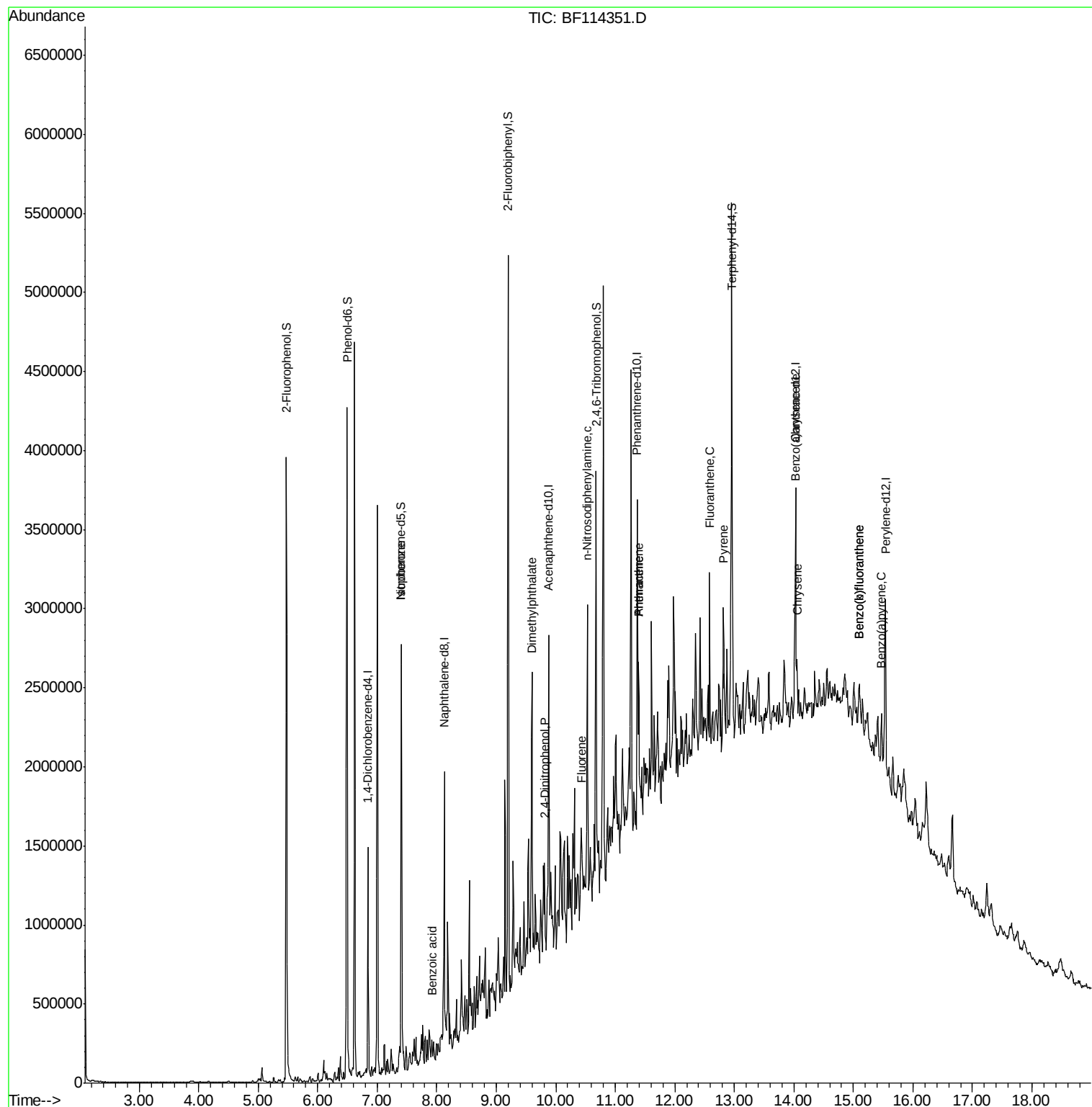
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	909264	35.781	ng	# 65
32) Benzoic acid	7.92	122	1299	7.167	ng	# 17
50) Dimethylphthalate	9.59	163	227542	8.533	ng	# 97
54) 2,4-Dinitrophenol	9.81	184	480	6.893	ng	# 1
58) Fluorene	10.43	166	67243	2.693	ng	# 92
66) n-Nitrosodiphenylamine	10.54	169	60932	2.943	ng	# 50
71) Phenanthrene	11.39	178	363338	10.949	ng	# 97
72) Anthracene	11.39	178	363338	10.901	ng	# 97
75) Fluoranthene	12.59	202	395465	11.067	ng	# 97
78) Pyrene	12.82	202	383990	10.624	ng	# 98
81) Benzo(a)anthracene	14.02	228	151986	5.230	ng	# 91
83) Chrysene	14.05	228	155956	5.475	ng	# 87
88) Benzo(b)fluoranthene	15.10	252	171605	5.302	ng	# 67
89) Benzo(k)fluoranthene	15.10	252	171605	5.772	ng	# 68
90) Benzo(a)pyrene	15.47	252	92397	3.244	ng	# 72

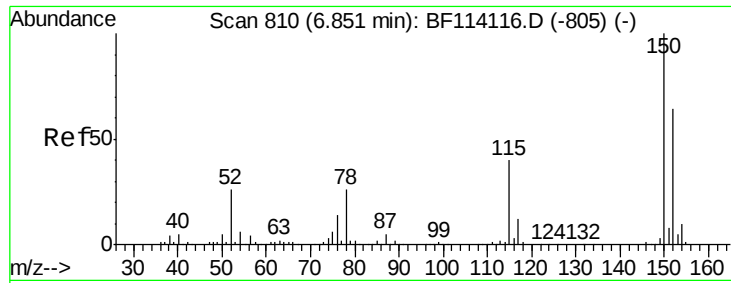
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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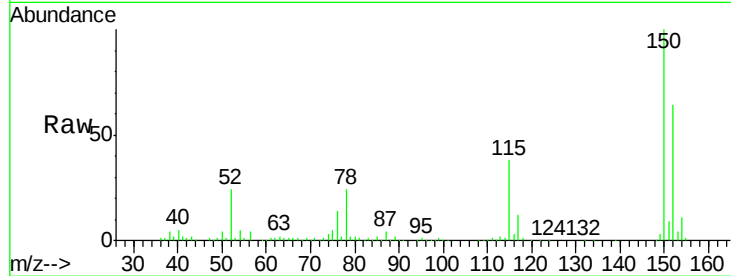


#1

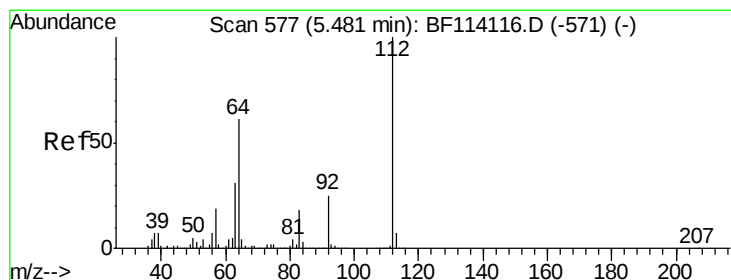
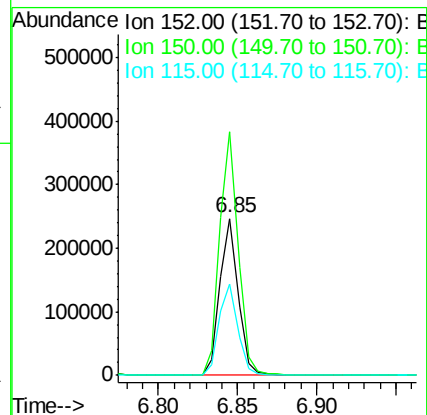
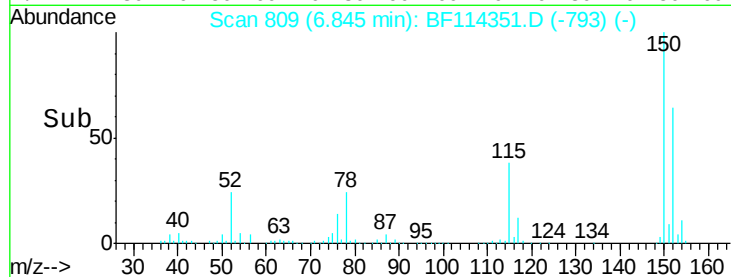
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 199461
Ion Ratio Lower Upper
152 100
150 155.2 124.3 186.5
115 58.6 49.1 73.7



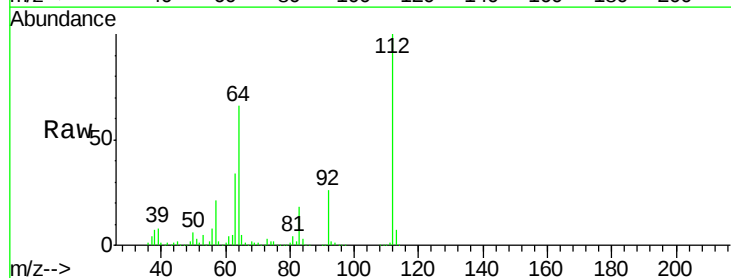
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



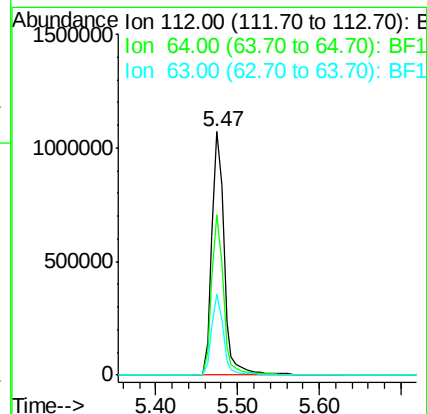
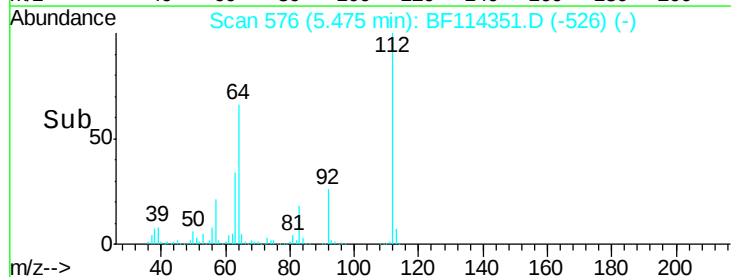
#5

2-Fluorophenol
Concen: 91.174 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:112 Resp: 1130062
Ion Ratio Lower Upper
112 100
64 65.7 49.0 73.6
63 33.5 24.6 37.0



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: 104.808 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Instrument :

BNA_F

ClientSampleId :

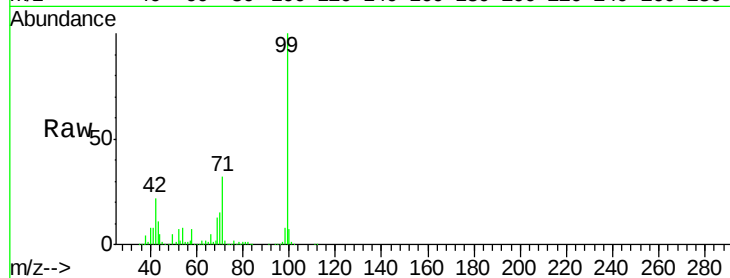
Tot Ion: 99 Resp: 1536423

Ion Ratio Lower Upper

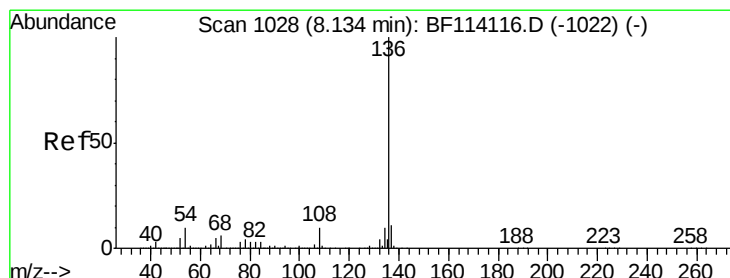
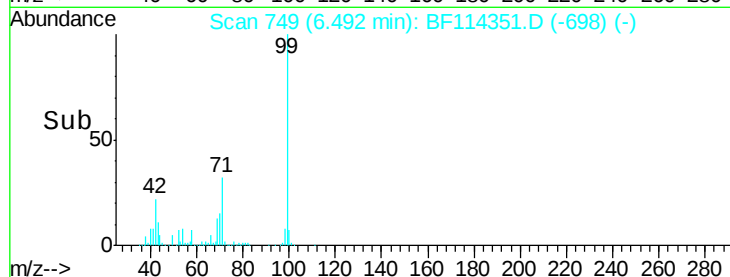
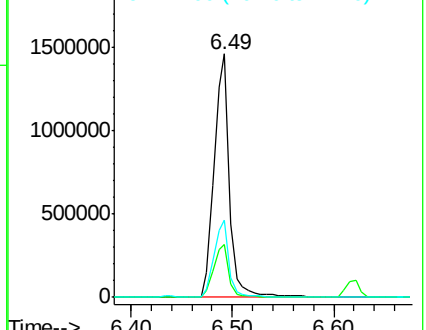
99 100

42 21.6 17.9 26.9

71 31.8 26.2 39.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Tgt Ion: 136 Resp: 768959

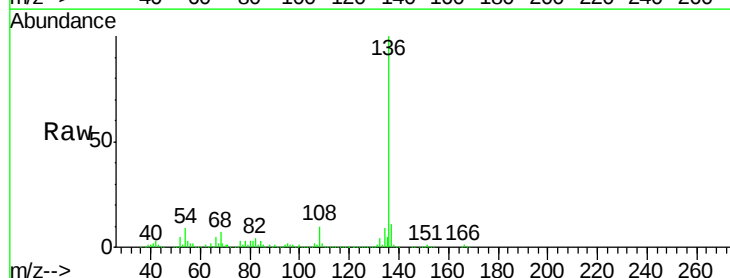
Ion Ratio Lower Upper

136 100

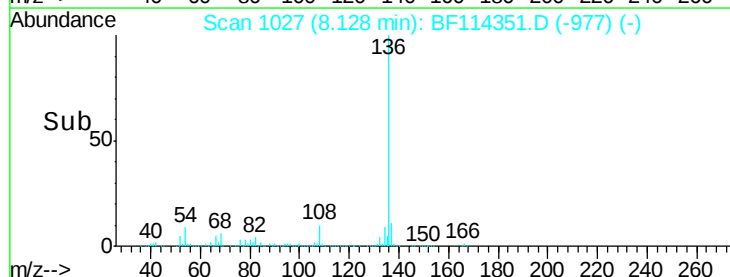
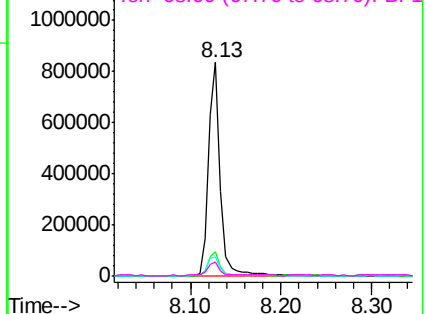
137 11.1 8.8 13.2

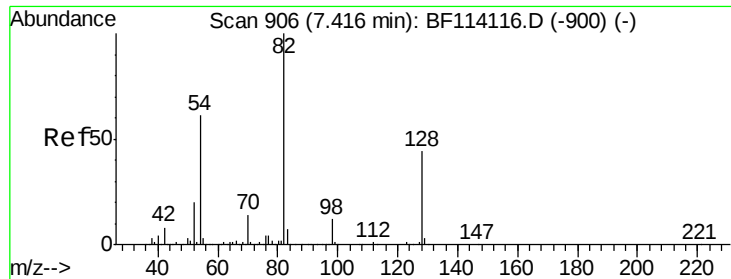
54 9.1 7.8 11.8

68 6.6 5.1 7.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

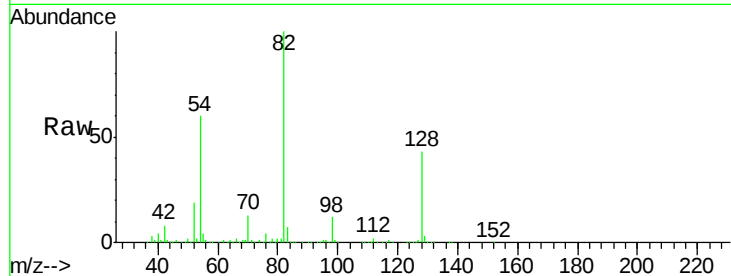




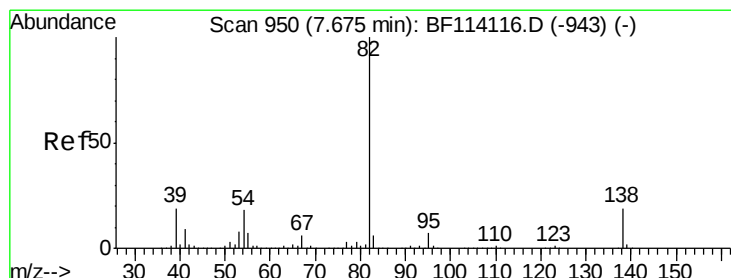
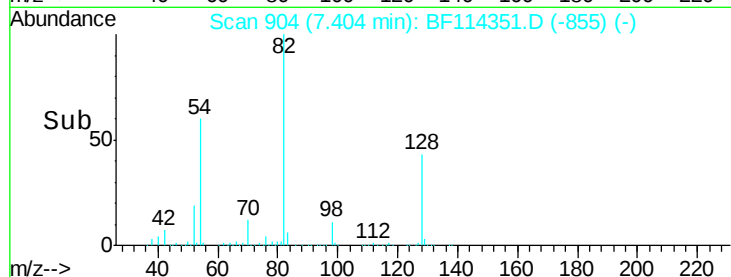
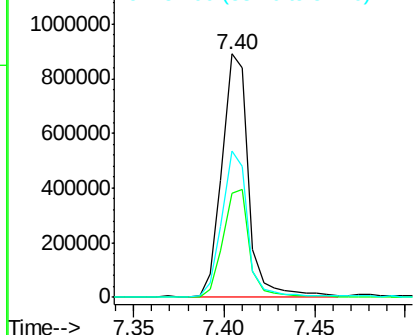
#23
Nitrobenzene-d5
Concen: 66.360 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	909264
Ion Ratio	100	Lower	Upper
128	42.8	35.5	53.3
54	59.9	48.5	72.7

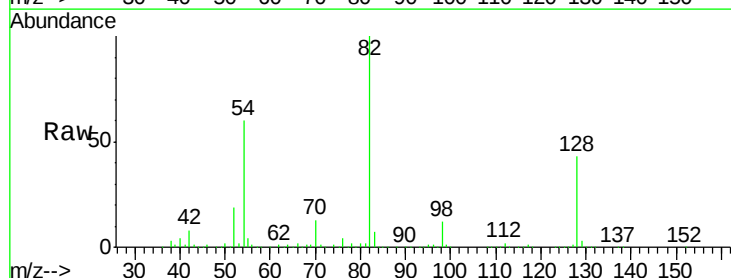


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

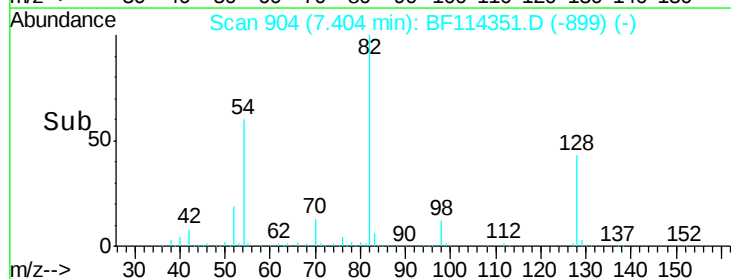
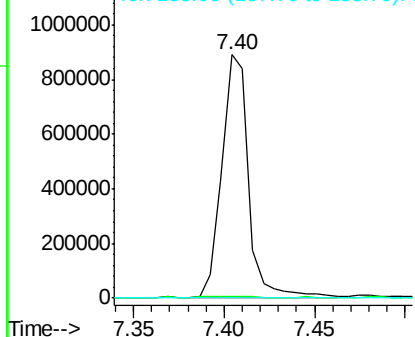


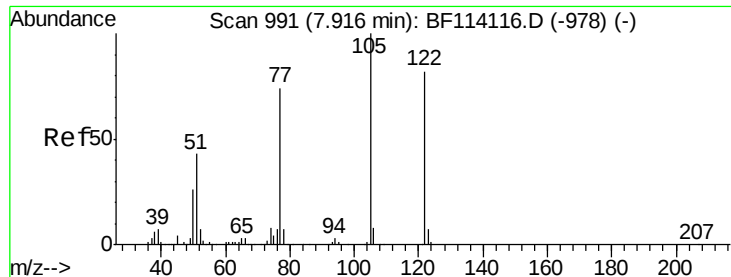
#25
Isophorone
Concen: 35.781 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion	82	Resp	909264
Ion Ratio	100	Lower	Upper
95	0.5	5.6	8.4#
138	0.1	14.8	22.2#



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

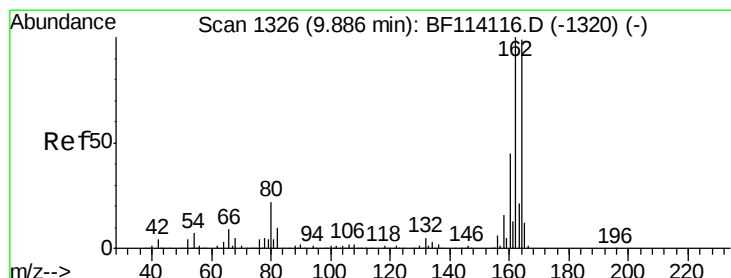
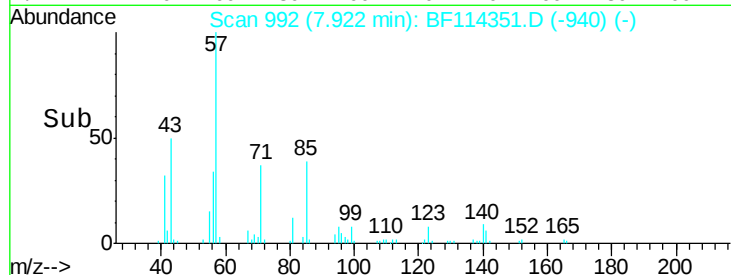
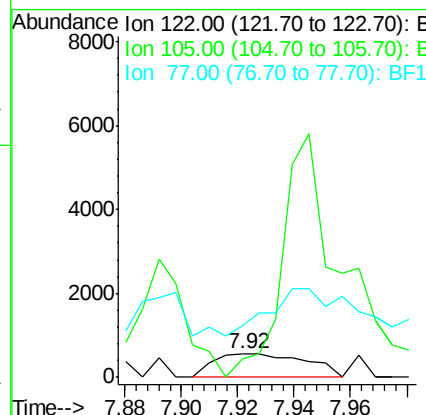
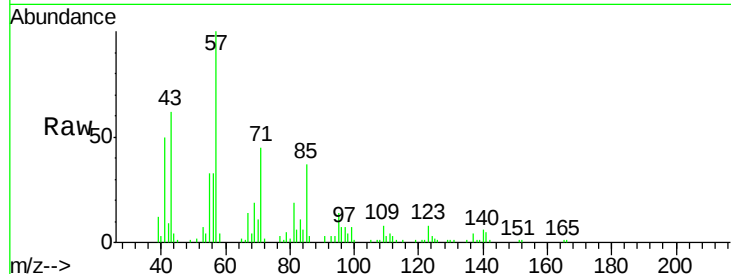




#32
Benzoic acid
Concen: 7.167 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

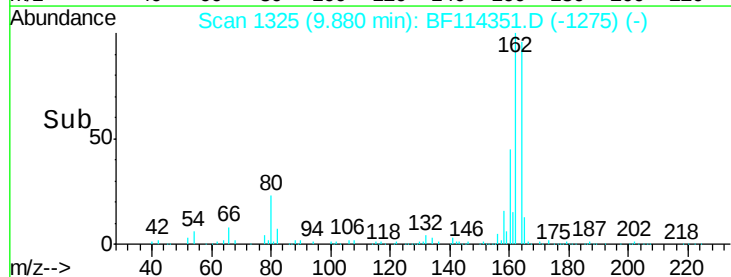
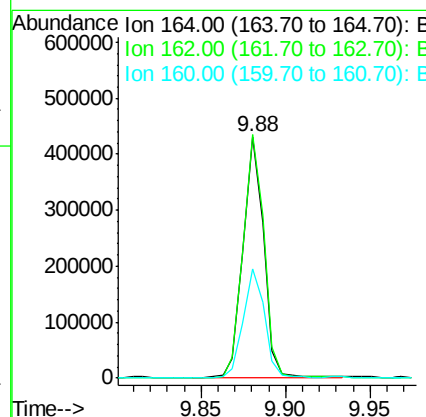
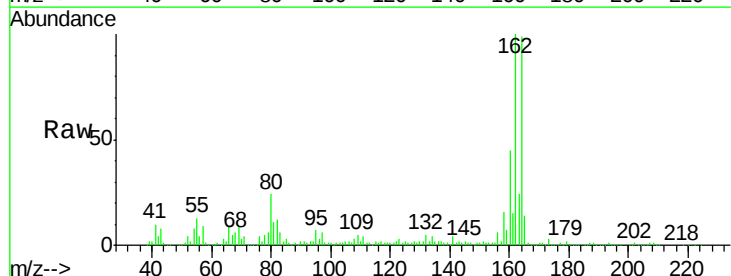
Instrument :
BNA_F
ClientSampleId :

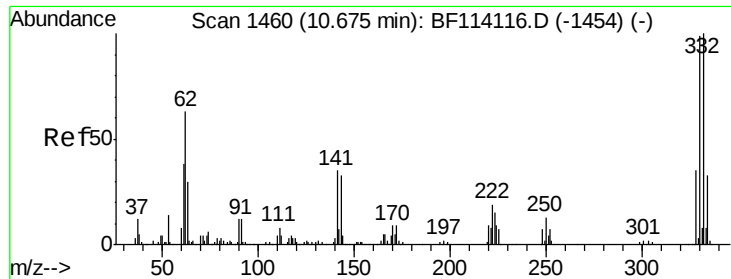
Tot Ion	Ratio	Lower	Upper
122	100		
105	76.3	99.9	139.9#
77	221.6	69.4	109.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.5	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 90.494 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Instrument :

BNA_F

ClientSampleId :

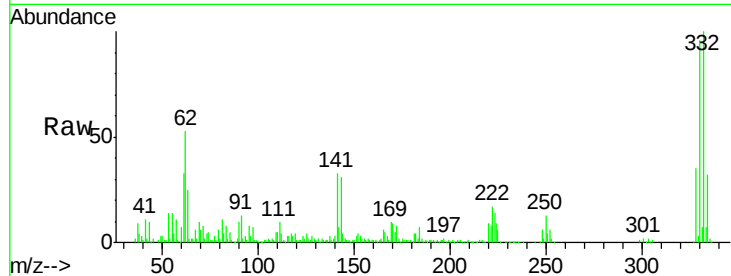
Tot Ion:330 Resp: 339847

Ion Ratio Lower Upper

330 100

332 101.2 81.4 122.2

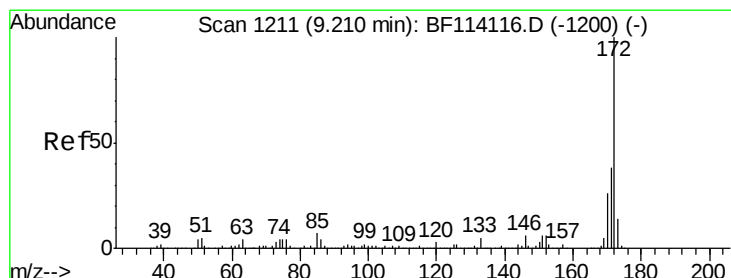
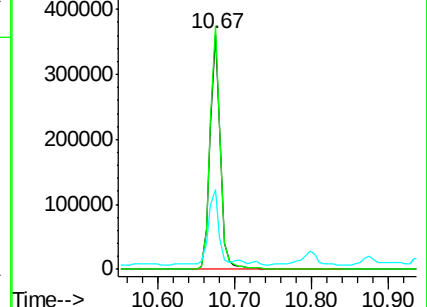
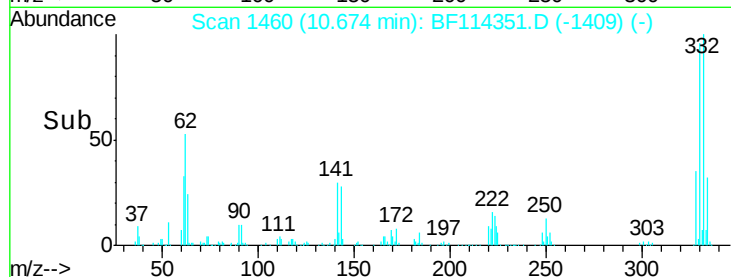
141 30.7 26.6 40.0



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: 63.186 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

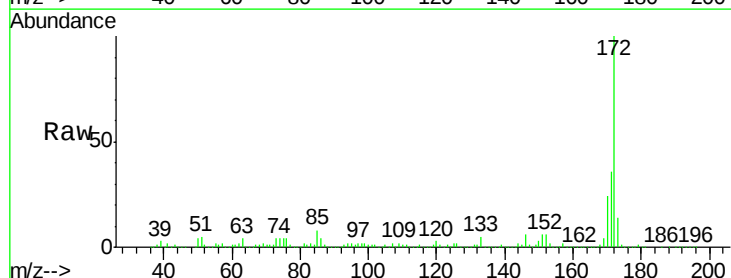
Tgt Ion:172 Resp: 1517376

Ion Ratio Lower Upper

172 100

171 35.7 30.7 46.1

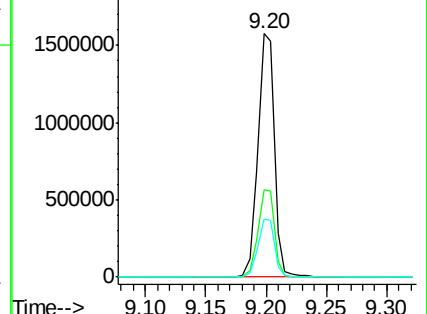
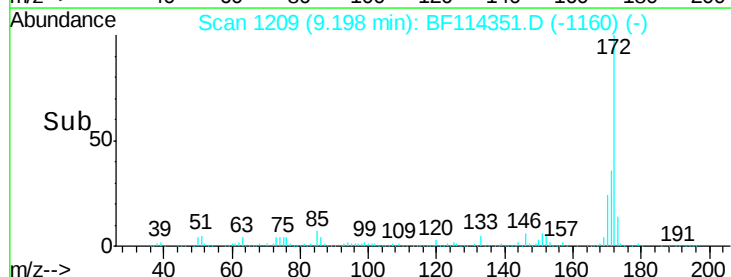
170 23.9 20.5 30.7

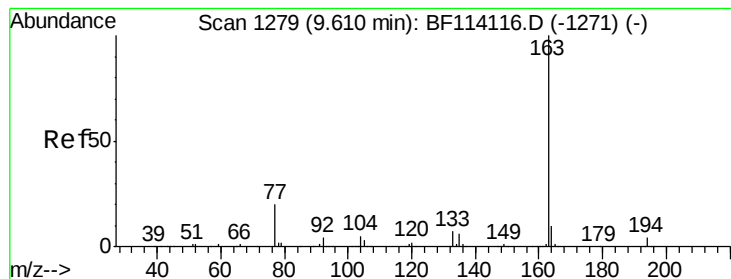


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.533 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Instrument :

BNA_F

ClientSampleId :

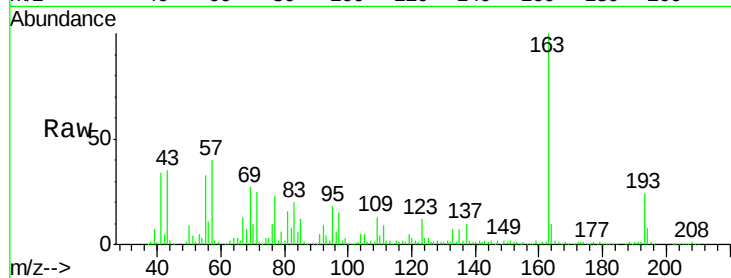
Tot Ion:163 Resp: 227542

Ion Ratio Lower Upper

163 100

194 7.6 3.4 5.0#

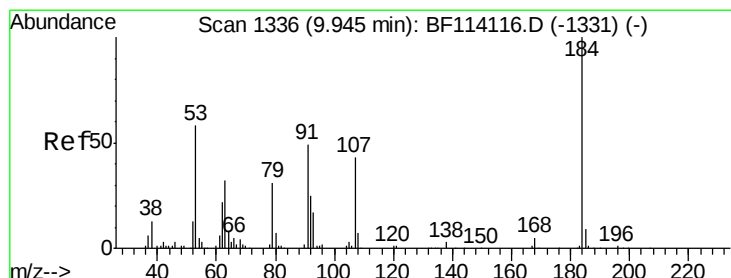
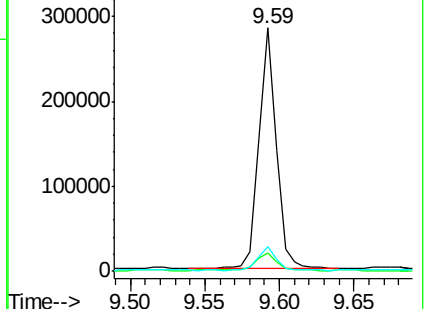
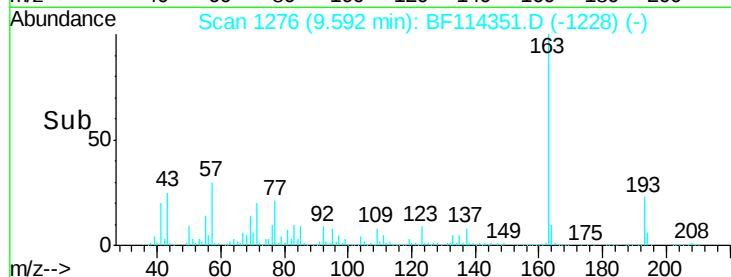
164 10.1 8.2 12.2



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: 6.893 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.14 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

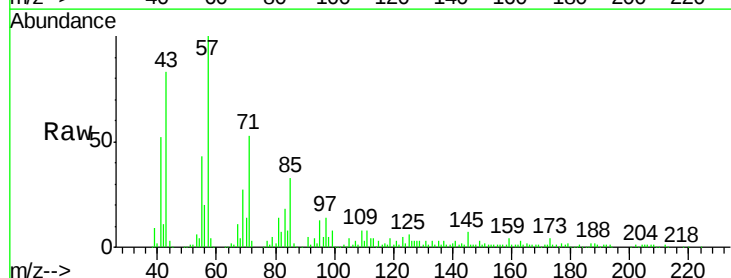
Tgt Ion:184 Resp: 480

Ion Ratio Lower Upper

184 100

63 162.2 55.6 83.4#

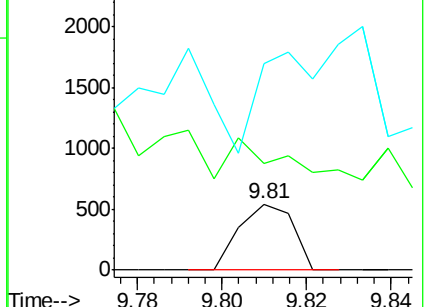
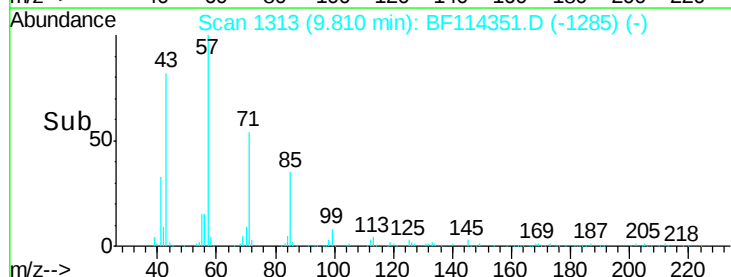
154 313.3 46.0 69.0#

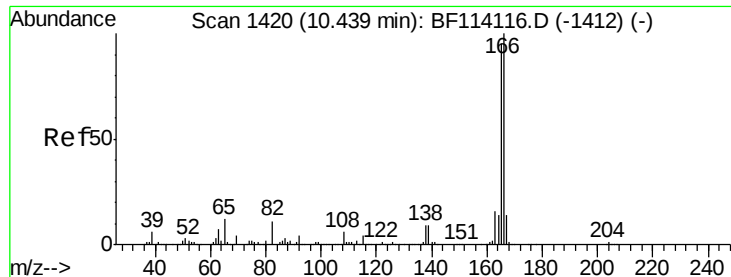


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 2.693 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Instrument :

BNA_F

ClientSampleId :

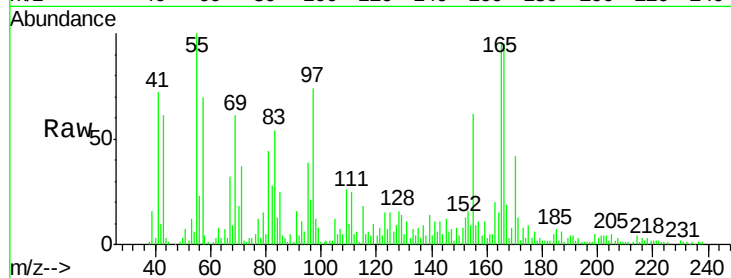
Tot Ion:166 Resp: 67243

Ion Ratio Lower Upper

166 100

165 102.0 76.1 114.1

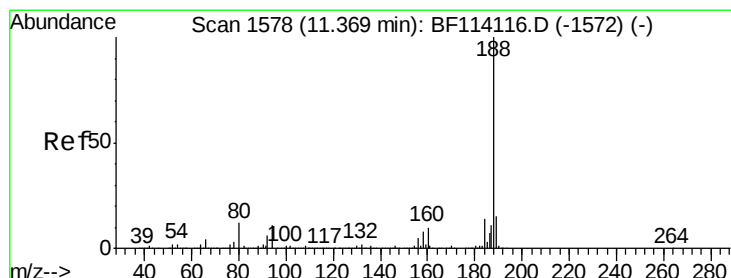
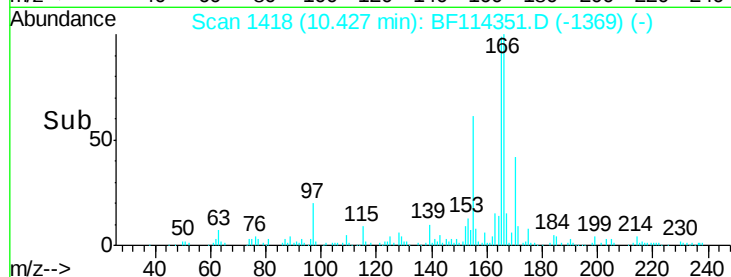
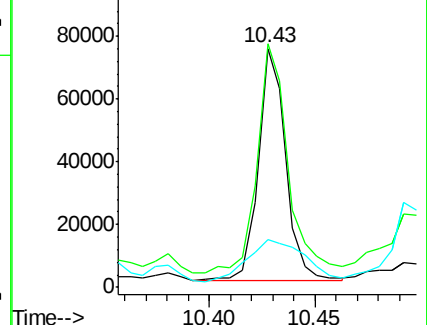
167 20.1 11.1 16.7#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

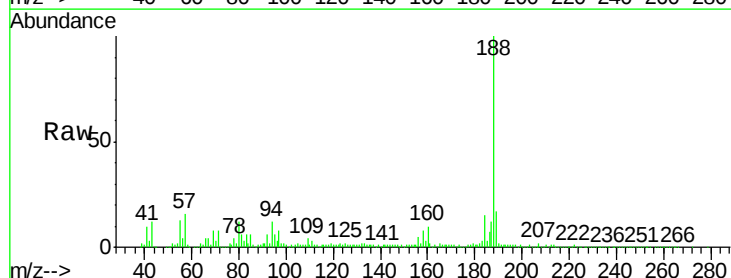
Tgt Ion:188 Resp: 682066

Ion Ratio Lower Upper

188 100

94 11.5 8.4 12.6

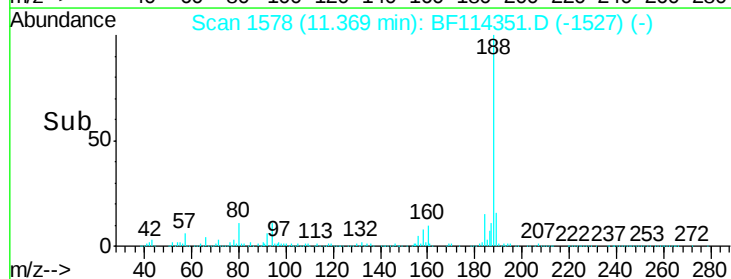
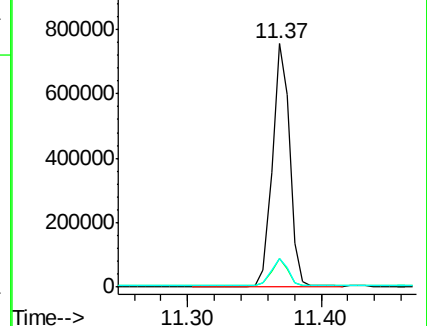
80 11.9 9.2 13.8

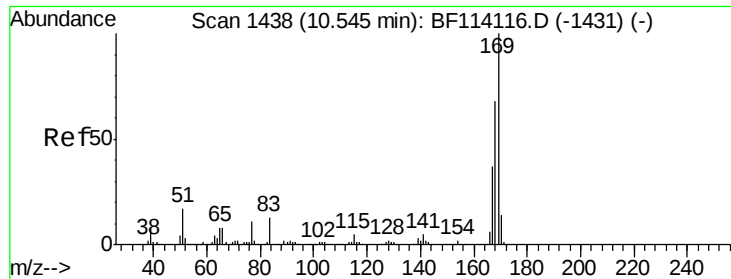


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

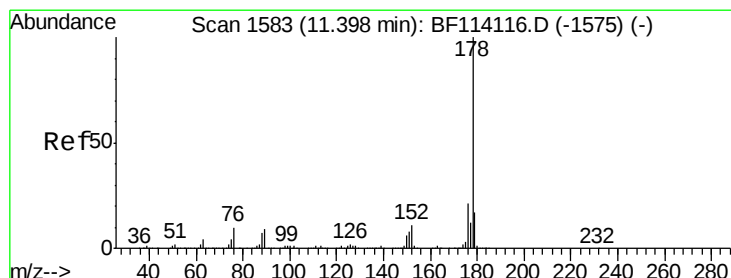
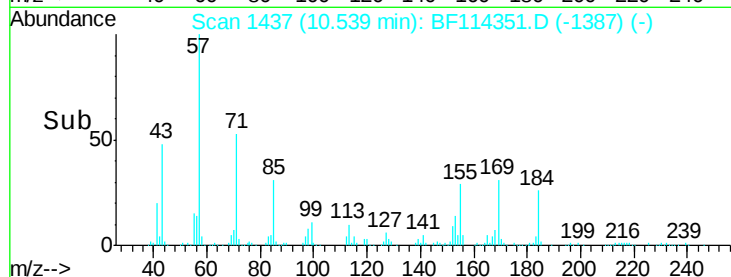
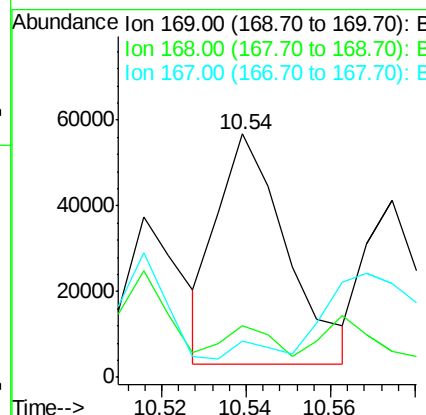
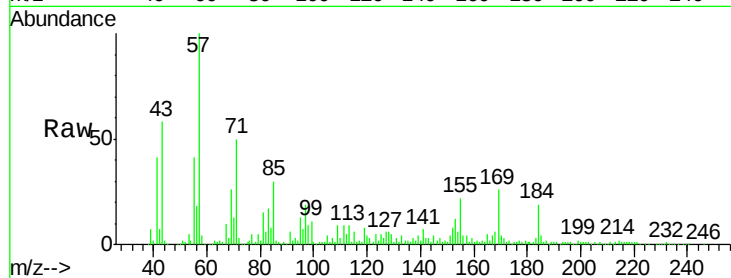




#66
 n-Nitrosodiphenylamine
 Concen: 2.943 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF114351.D
 Acq: 17 May 2019 15:54

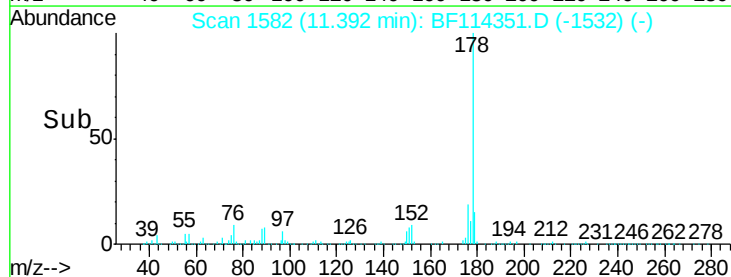
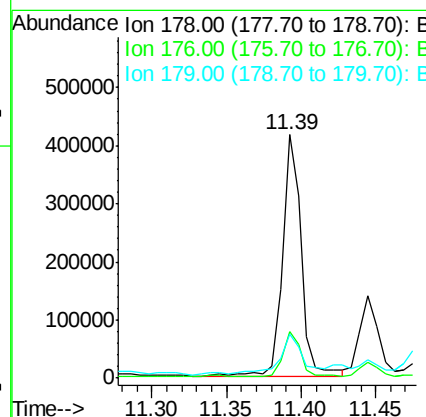
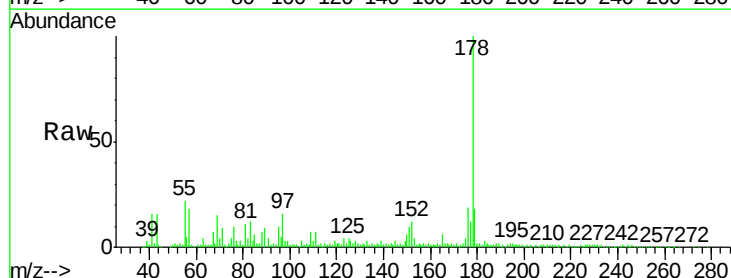
Instrument :
 BNA_F
 ClientSampled :

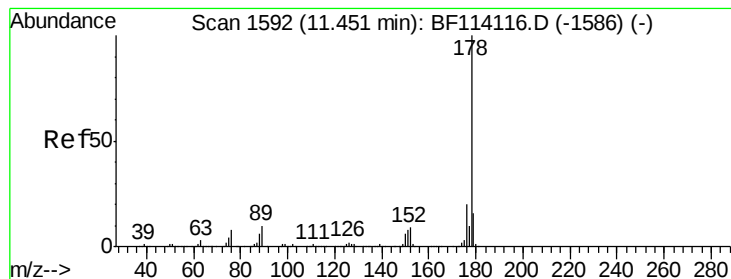
Tot Ion:169 Resp: 60932
 Ion Ratio Lower Upper
 169 100
 168 21.2 54.2 81.2#
 167 15.0 29.8 44.8#



#71
 Phenanthrene
 Concen: 10.949 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF114351.D
 Acq: 17 May 2019 15:54

Tgt Ion:178 Resp: 363338
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.4 24.6
 179 18.0 13.2 19.8





#72

Anthracene

Concen: 10.901 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.06 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Instrument :

BNA_F

ClientSampleId :

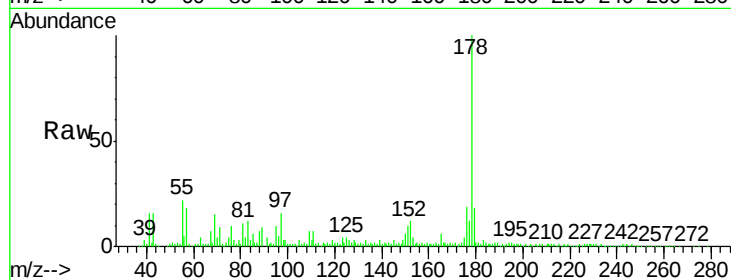
Tot Ion:178 Resp: 363338

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

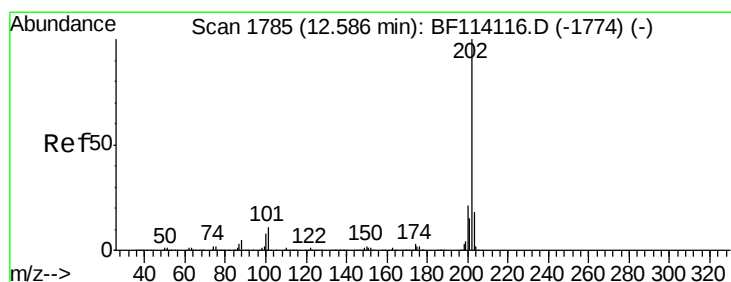
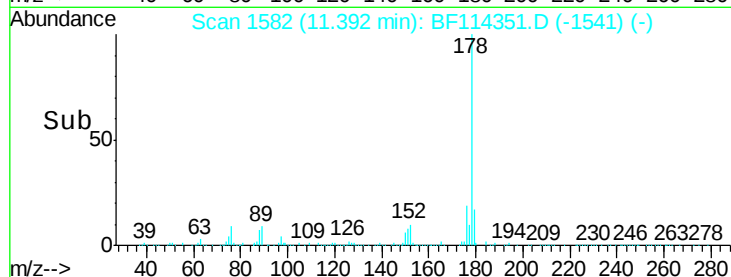
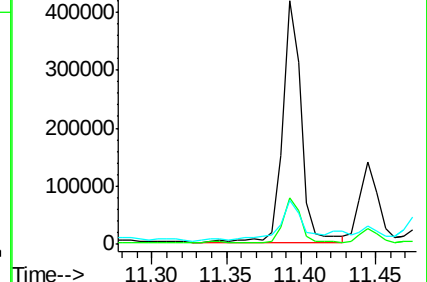
179 18.0 13.0 19.4



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: 11.067 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

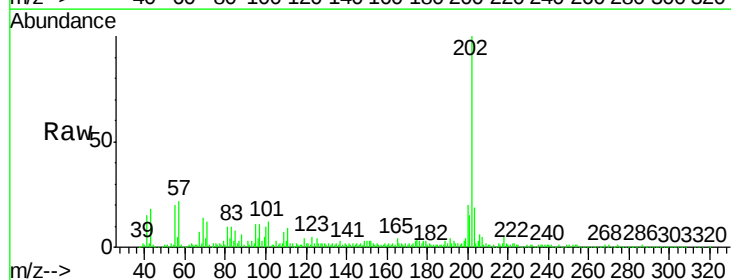
Tgt Ion:202 Resp: 395465

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.0

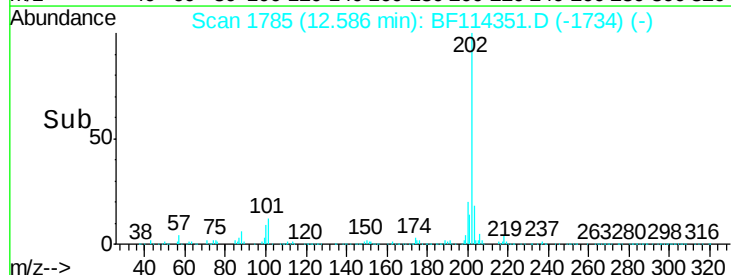
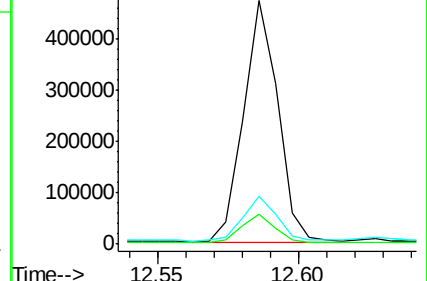
203 19.4 0.0 38.4

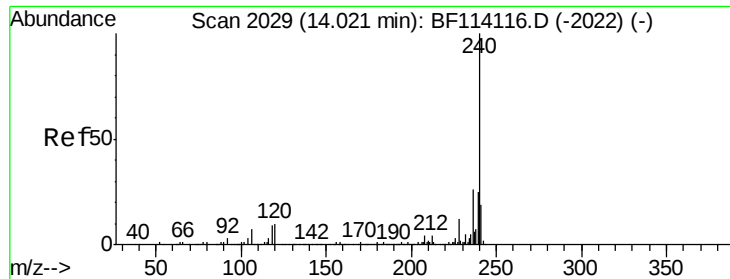


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

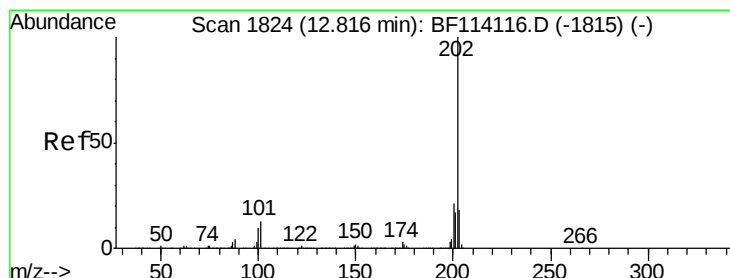
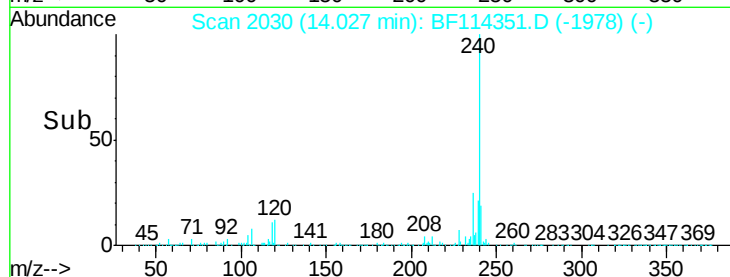
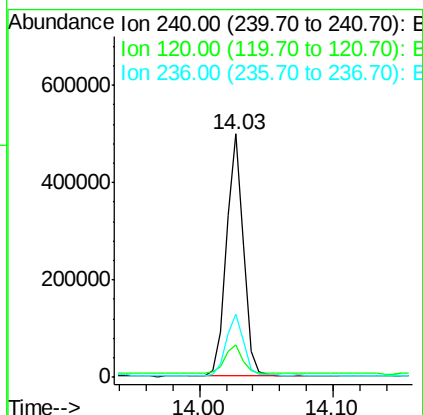
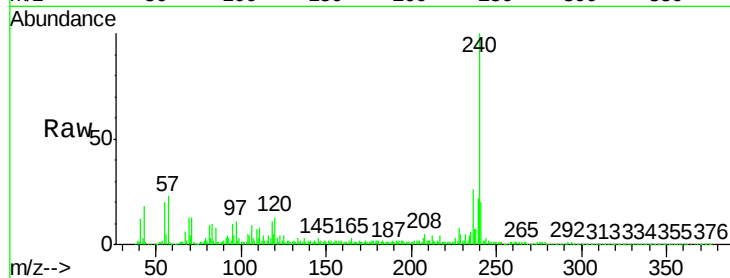




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

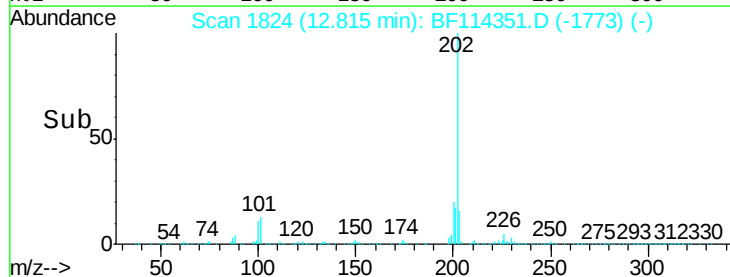
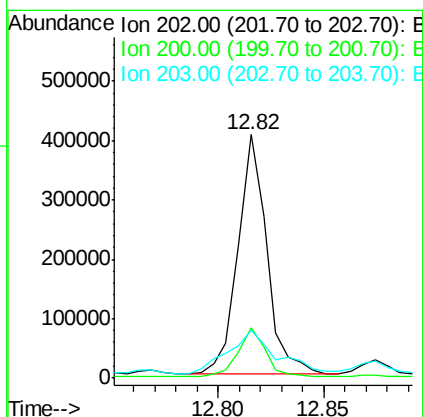
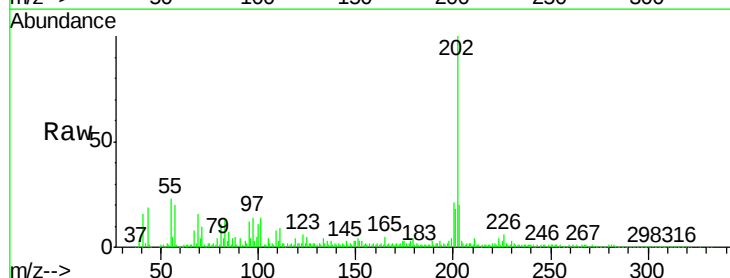
Instrument :
BNA_F
ClientSampleId :

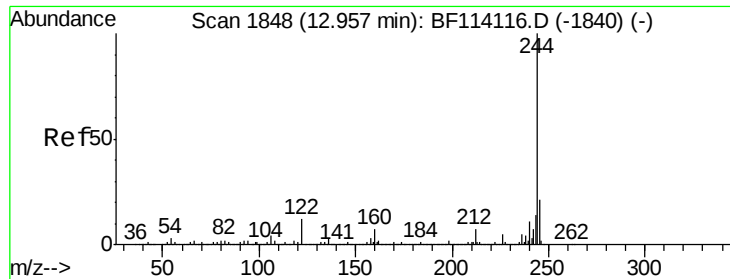
Tot Ion:240 Resp: 449277
Ion Ratio Lower Upper
240 100
120 13.2 8.3 12.5#
236 25.9 20.8 31.2



#78
Pyrene
Concen: 10.624 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion:202 Resp: 383990
Ion Ratio Lower Upper
202 100
200 20.5 16.9 25.3
203 19.5 14.5 21.7





#79

Terphenyl-d14

Concen: 61.734 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Instrument :

BNA_F

ClientSampleId :

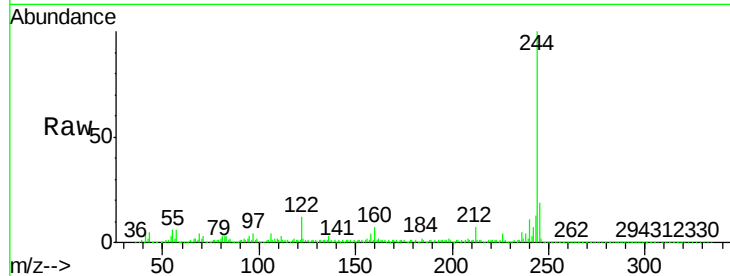
Tot Ion:244 Resp: 1345467

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

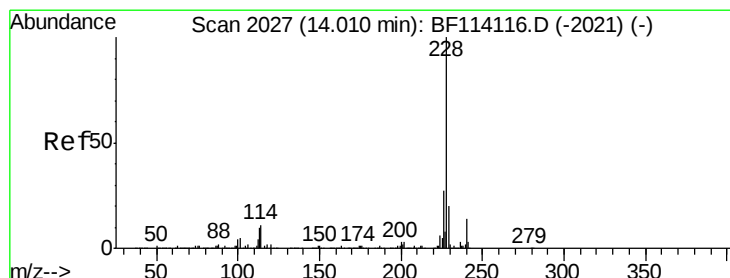
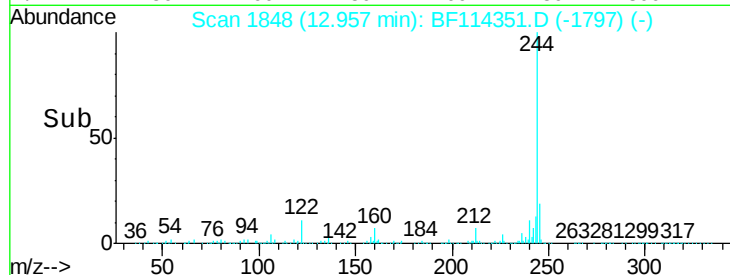
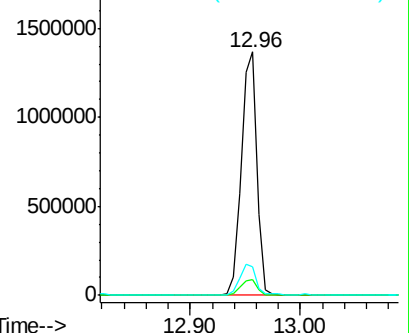
122 11.7 9.4 14.2



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: 5.230 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

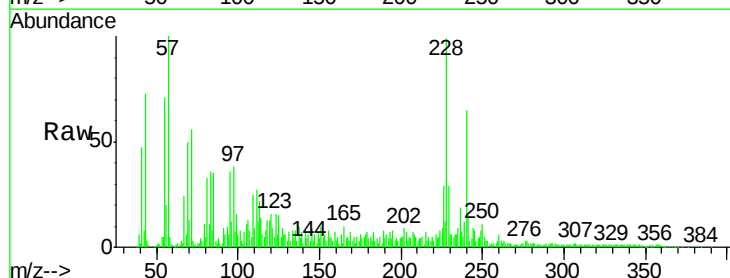
Tgt Ion:228 Resp: 151986

Ion Ratio Lower Upper

228 100

226 28.8 22.2 33.2

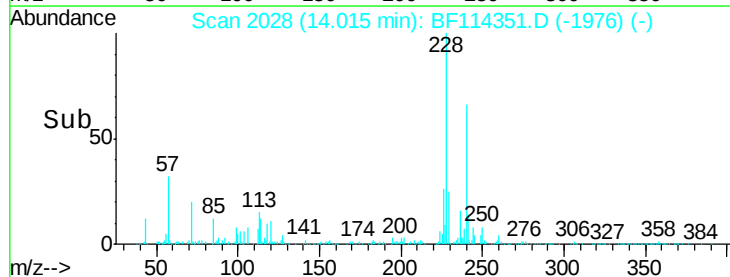
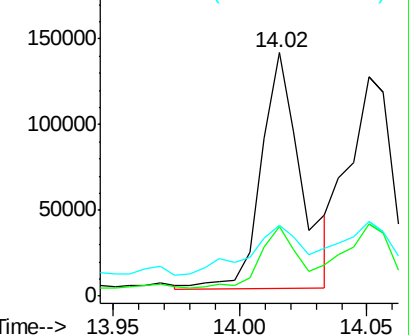
229 29.2 16.4 24.6#

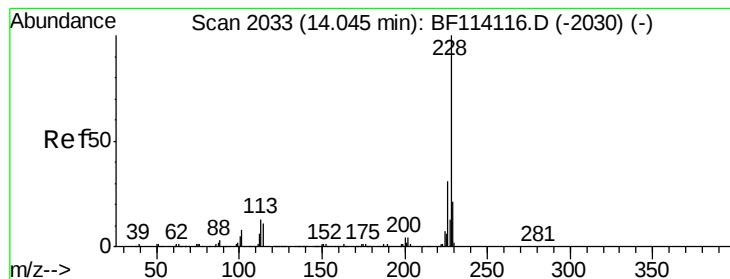


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.475 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Instrument :

BNA_F

ClientSampleId :

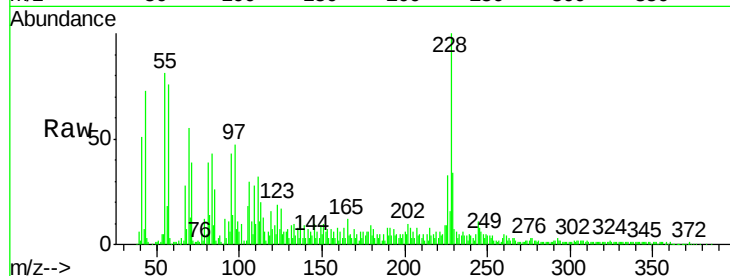
Tot Ion:228 Resp: 155956

Ion Ratio Lower Upper

228 100

226 32.8 25.0 37.6

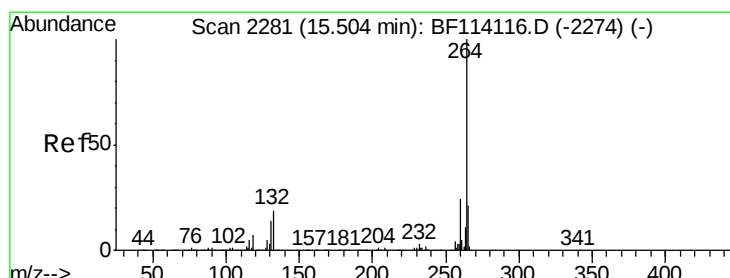
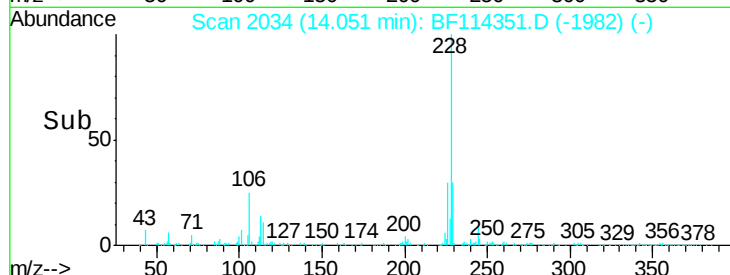
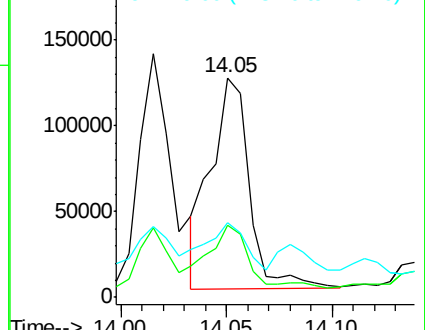
229 34.0 17.0 25.6#



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: 15.53 min Scan# 2286

Delta R.T. 0.03 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

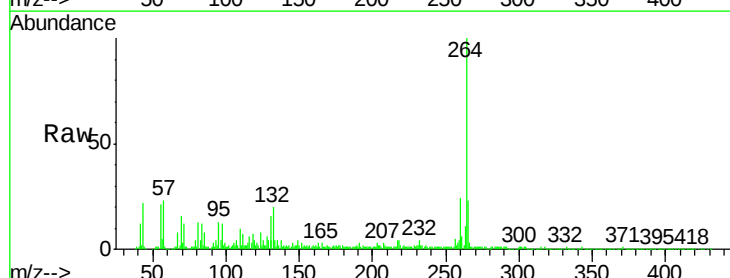
Tgt Ion:264 Resp: 505212

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.0

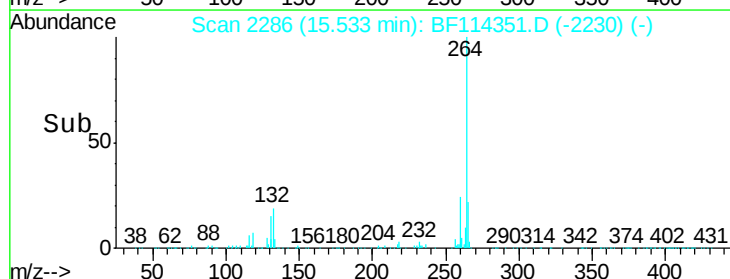
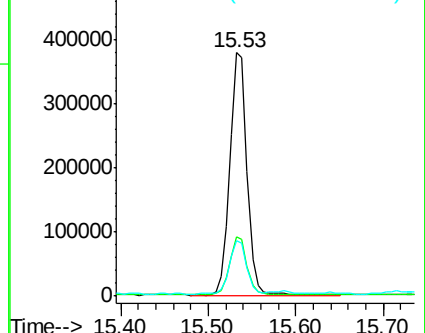
265 22.9 16.9 25.3

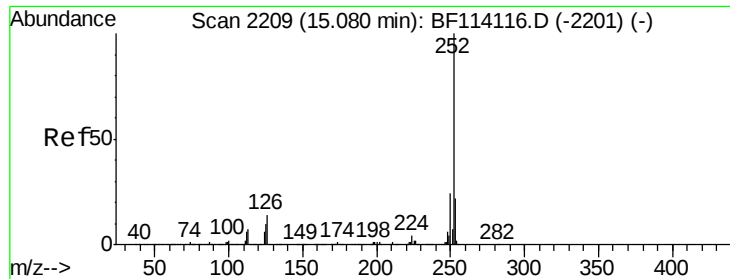


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

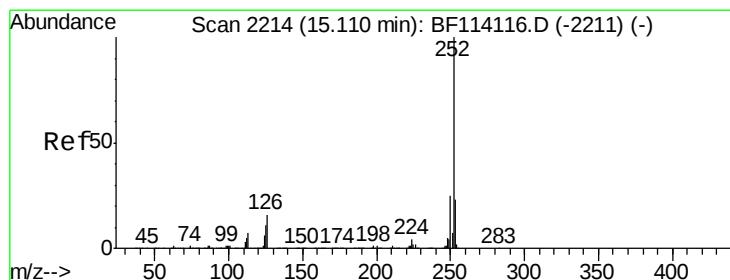
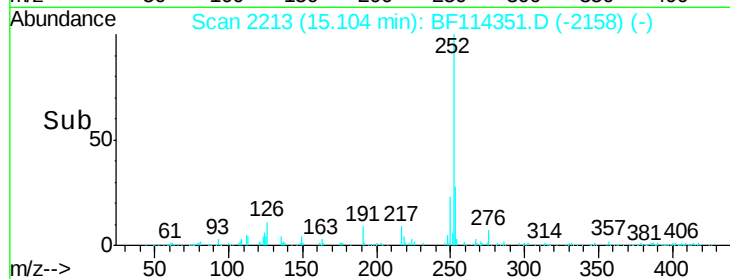
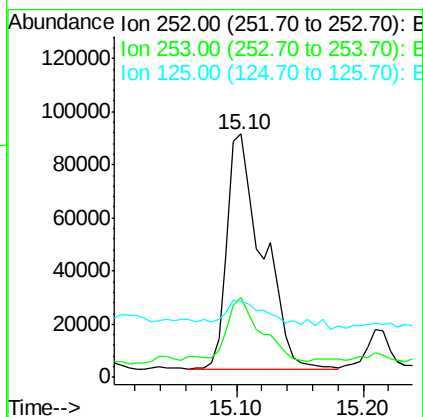
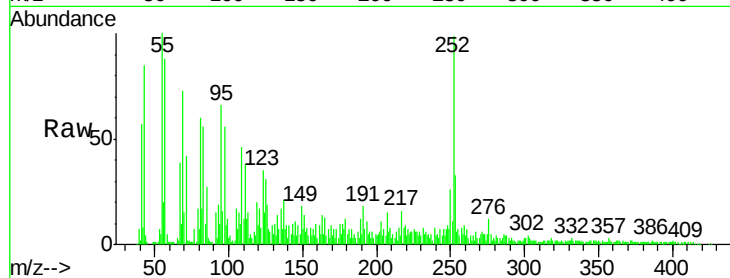




#88
Benzo(b)fluoranthene
Concen: 5.302 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

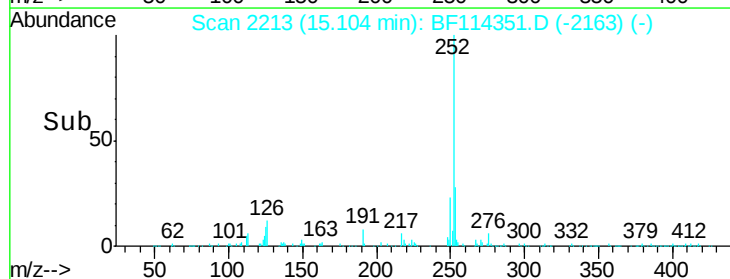
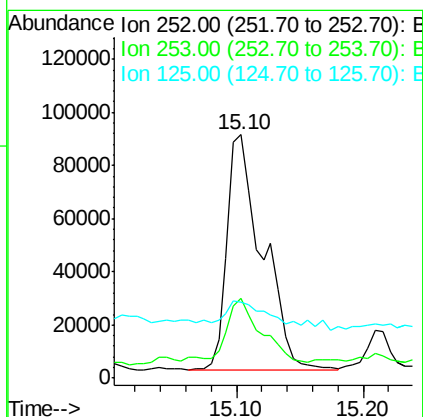
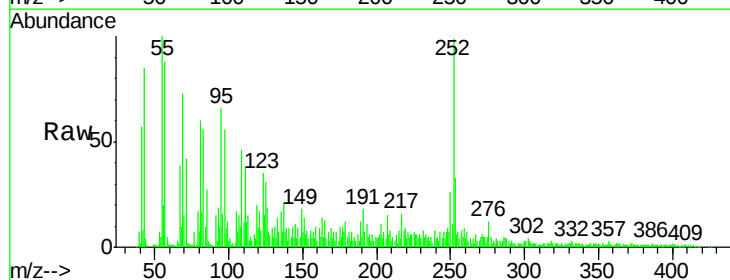
Instrument :
BNA_F
ClientSampleId :

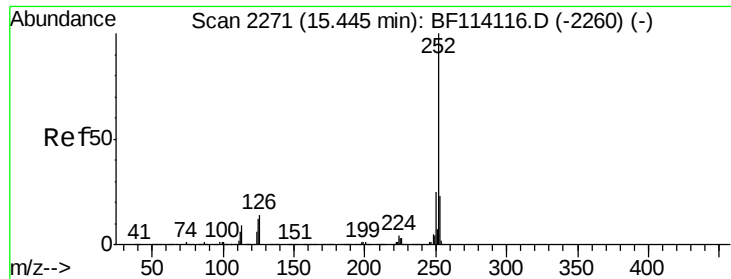
Tot Ion	Ratio	Lower	Upper
252	100		
253	33.0	17.8	26.8#
125	31.3	8.3	12.5#



#89
Benzo(k)fluoranthene
Concen: 5.772 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF114351.D
Acq: 17 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.0	18.2	27.2#
125	31.3	8.6	13.0#





#90

Benzo(a)pyrene

Concen: 3.244 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.02 min

Lab File: BF114351.D

Acq: 17 May 2019 15:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 92397

Ion Ratio Lower Upper

252 100

253 28.9 18.1 27.1#

125 34.0 9.5 14.3#

