

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114423.D
 Acq On : 19 May 2019 6:42
 Operator : JU/SJ
 Sample : K2854-02DL 4X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:16:22 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	6.83	152	265582	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	932224	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	379523	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	606837	20.00	ng	0.00
76) Chrysene-d12	14.01	240	381740	20.00	ng	-0.01
87) Perylene-d12	15.49	264	417196	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	453922	27.50	ng	-0.02
7) Phenol-d6	6.47	99	624351	31.99	ng	-0.02
23) Nitrobenzene-d5	7.40	82	362200	21.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	84755	21.60	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	563785	22.47	ng	-0.02
79) Terphenyl-d14	12.94	244	387150	20.91	ng	-0.02

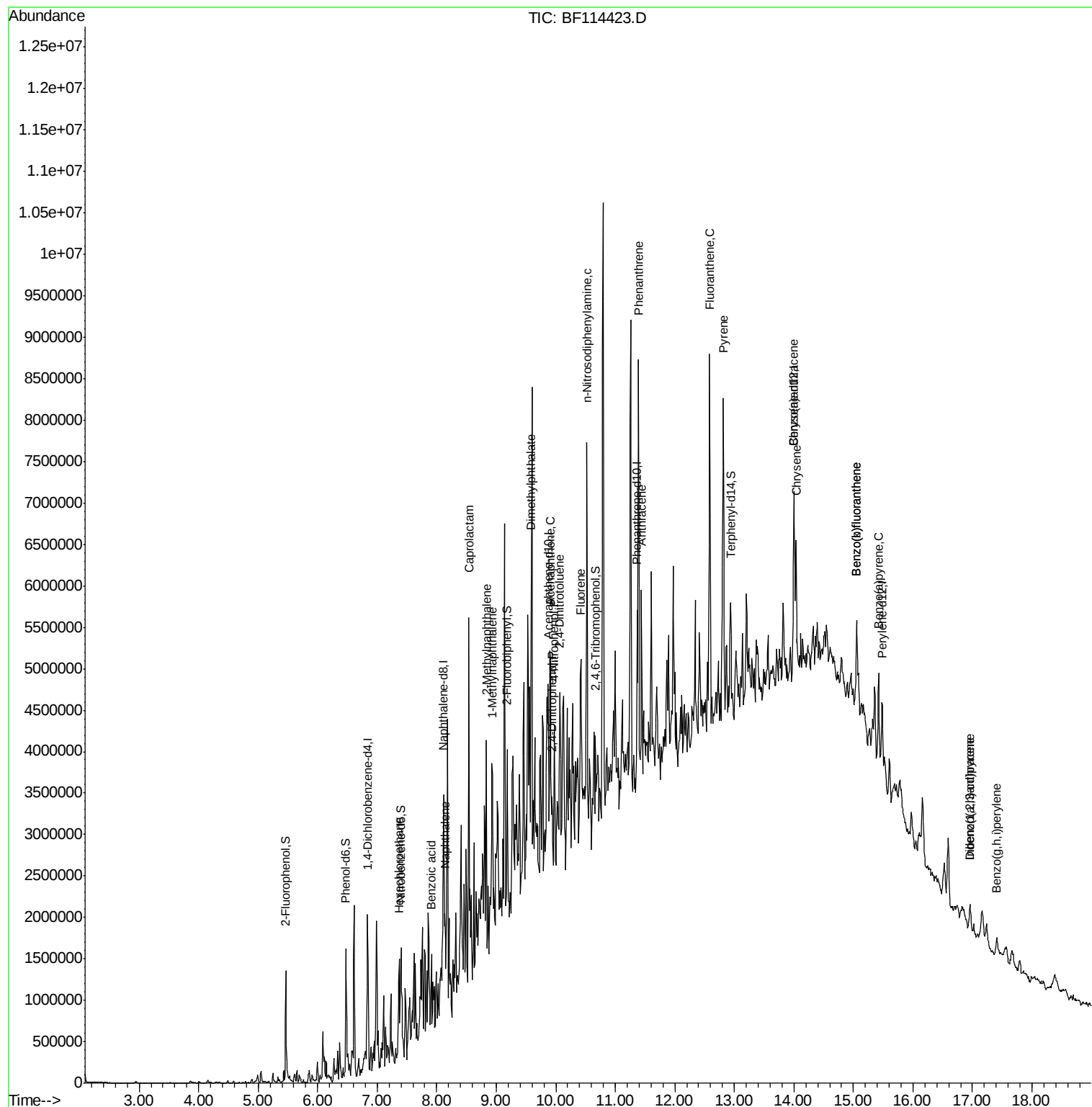
Target Compounds				Qvalue		
18) Hexachloroethane	7.37	117	44170	5.905	ng	# 1
31) Naphthalene	8.14	128	271203	6.228	ng	97
32) Benzoic acid	7.91	122	7843	7.749	ng	# 23
35) Caprolactam	8.54	113	94473	22.569	ng	# 28
37) 2-Methylnaphthalene	8.83	142	775354	27.597	ng	97
38) 1-Methylnaphthalene	8.93	142	552058	20.865	ng	100
50) Dimethylphthalate	9.58	163	74924	2.689	ng	# 45
52) Acenaphthene	9.90	154	397017	17.239	ng	98
54) 2,4-Dinitrophenol	9.94	184	1092	7.067	ng	# 1
56) 4-Nitrophenol	9.97	139	34427	6.346	ng	# 31
57) 2,4-Dinitrotoluene	10.07	165	21385	2.550	ng	# 58
58) Fluorene	10.42	166	431095	16.527	ng	# 97
66) n-Nitrosodiphenylamine	10.53	169	157853	8.571	ng	# 59
71) Phenanthrene	11.39	178	2336977	79.157	ng	99
72) Anthracene	11.44	178	952697	32.127	ng	98
75) Fluoranthene	12.59	202	2610832	82.120	ng	97
78) Pyrene	12.82	202	2317470	75.465	ng	99
81) Benzo(a)anthracene	14.00	228	951381	38.532	ng	95
83) Chrysene	14.04	228	820957	33.918	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	193481	9.045	ng	97
88) Benzo(b)fluoranthene	15.06	252	1047282	39.183	ng	# 90
89) Benzo(k)fluoranthene	15.06	252	1047282	42.655	ng	# 91
90) Benzo(a)pyrene	15.42	252	534613	22.727	ng	# 91
91) Dibenzo(a,h)anthracene	16.96	278	55507	2.840	ng	# 53
92) Benzo(g,h,i)perylene	17.41	276	166850	8.518	ng	93

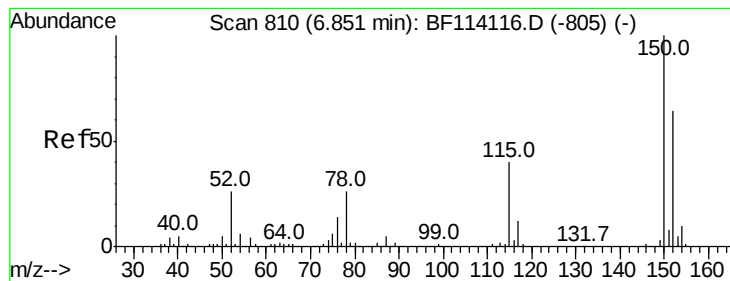
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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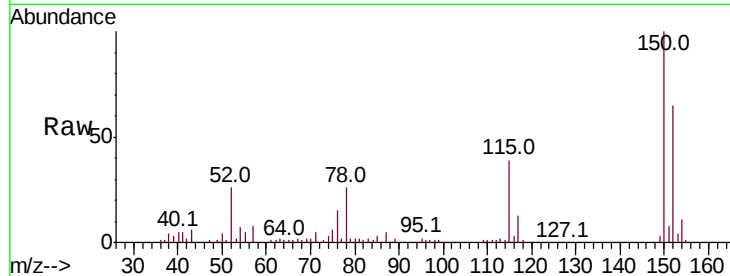


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.3	186.5
115	60.8	49.1	73.7

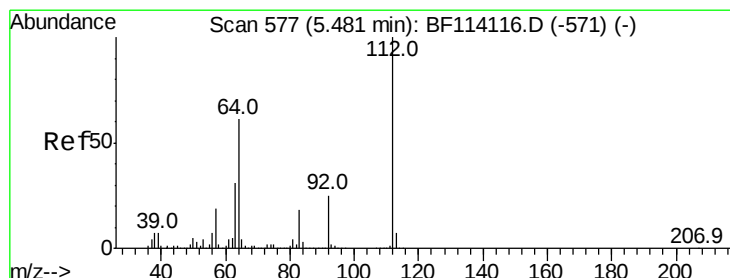
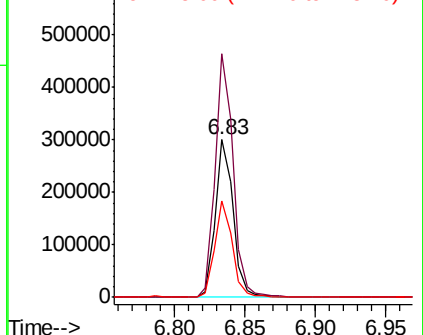
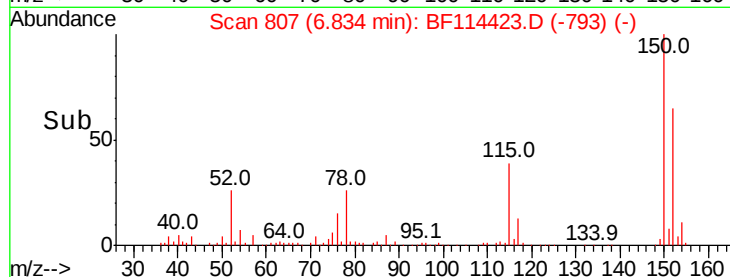


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

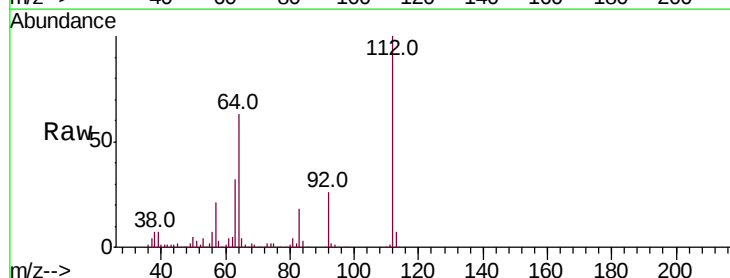
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.505 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.1	49.0	73.6
63	31.7	24.6	37.0

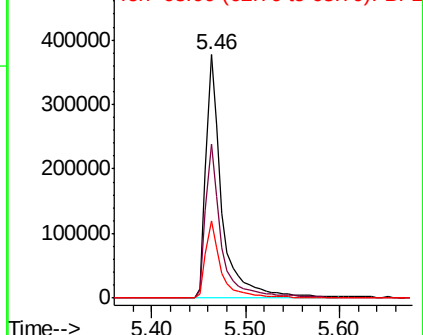
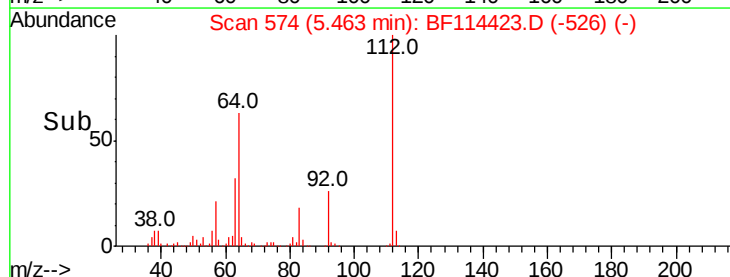


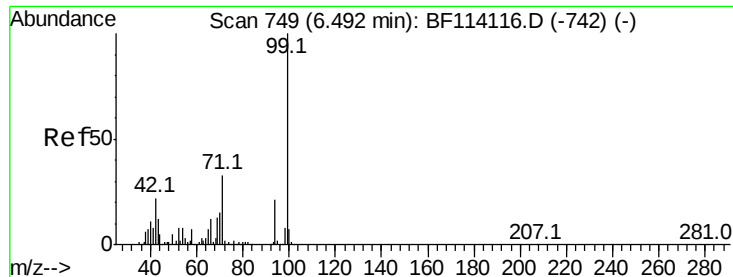
Abundance

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: 31.987 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampleId :

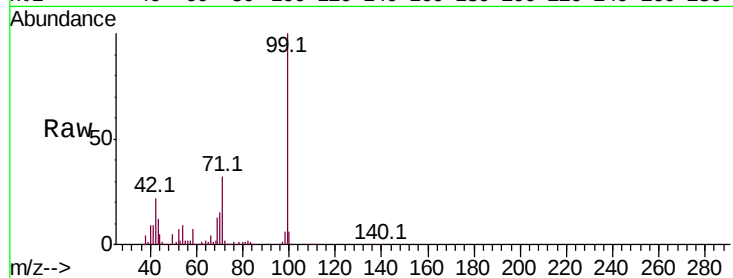
Tot Ion: 99 Resp: 624351

Ion Ratio Lower Upper

99 100

42 21.7 17.9 26.9

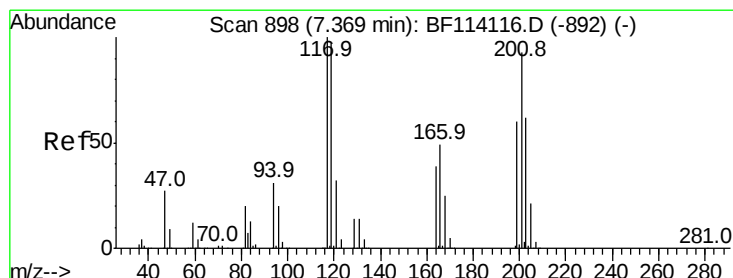
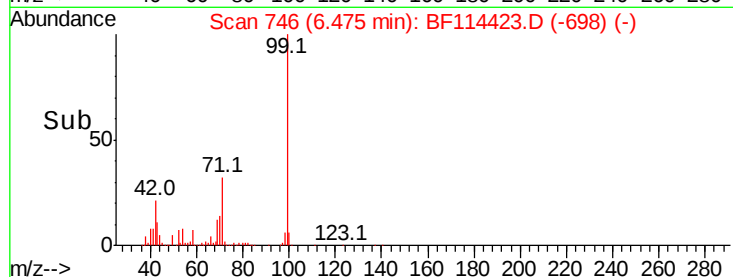
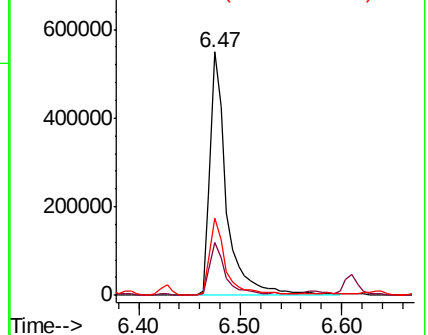
71 31.9 26.2 39.2



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



#18

Hexachloroethane

Concen: 5.905 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

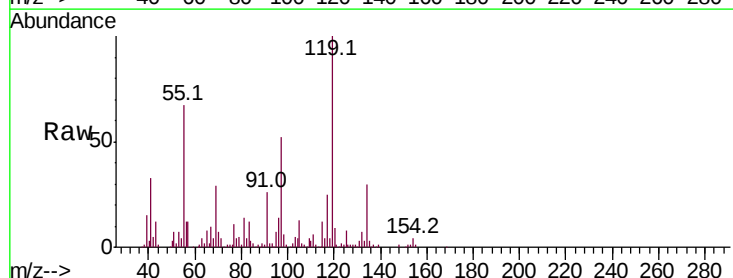
Tgt Ion: 117 Resp: 44170

Ion Ratio Lower Upper

117 100

119 405.4 77.4 116.2#

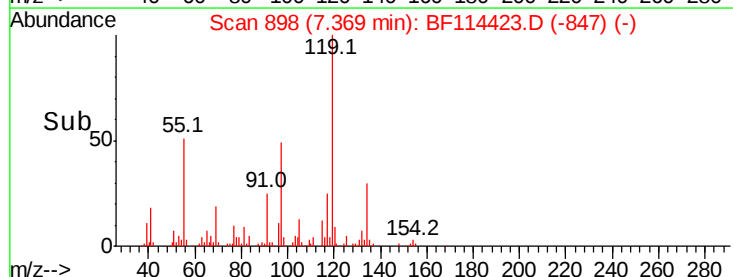
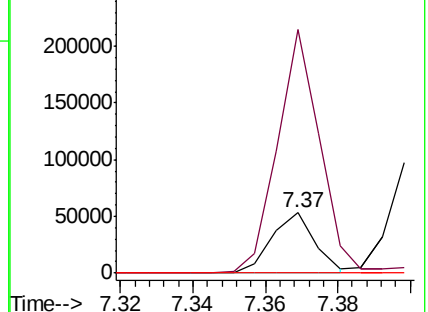
201 0.0 74.5 111.7#

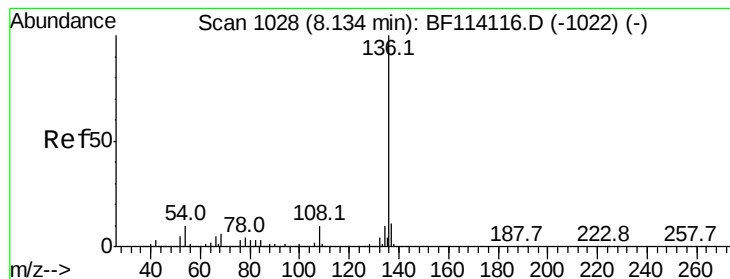


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 932224

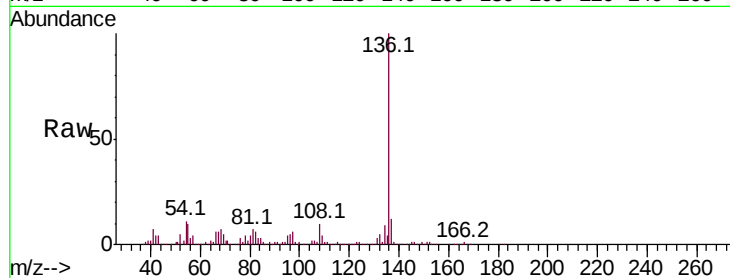
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 11.3 7.8 11.8

68 7.5 5.1 7.7

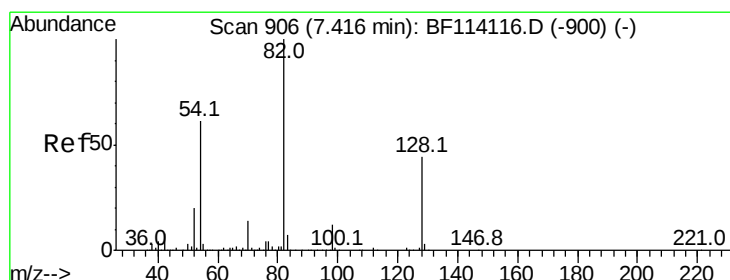
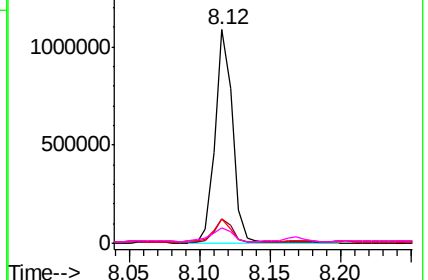
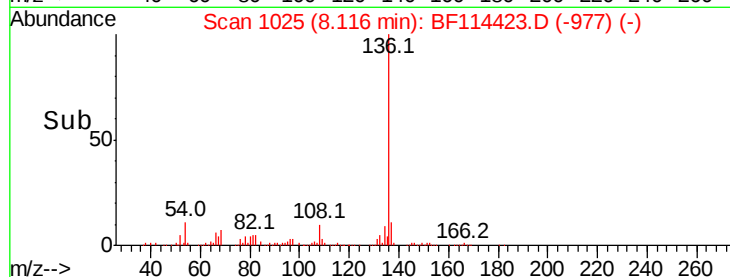


Abundance Ion 136.00 (135.70 to 136.70): E

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: 21.805 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

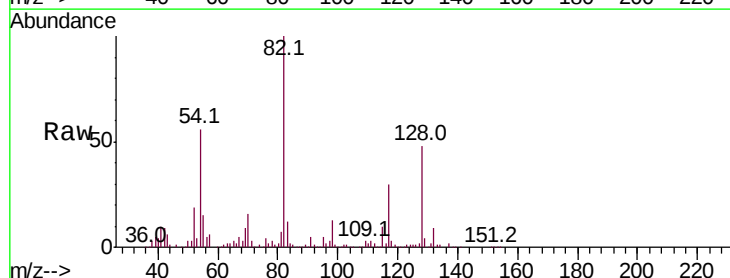
Tgt Ion: 82 Resp: 362200

Ion Ratio Lower Upper

82 100

128 48.3 35.5 53.3

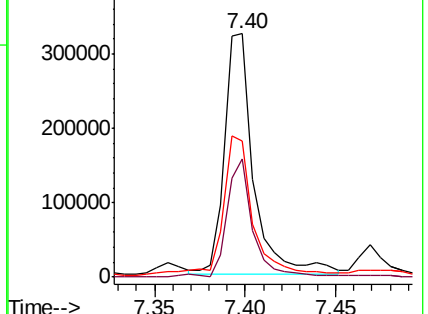
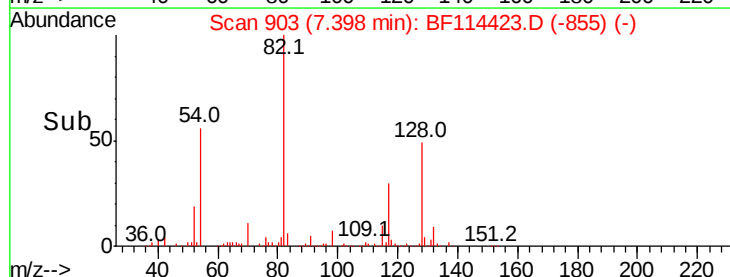
54 56.1 48.5 72.7

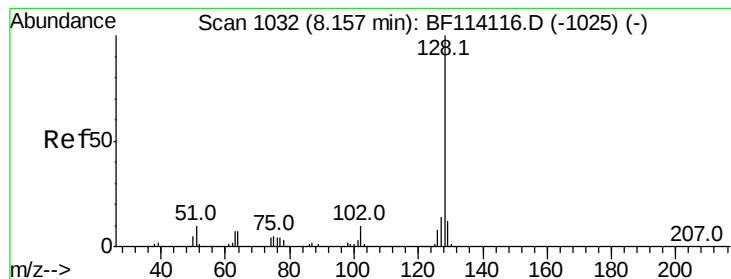


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#31

Naphthalene

Concen: 6.228 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampleId :

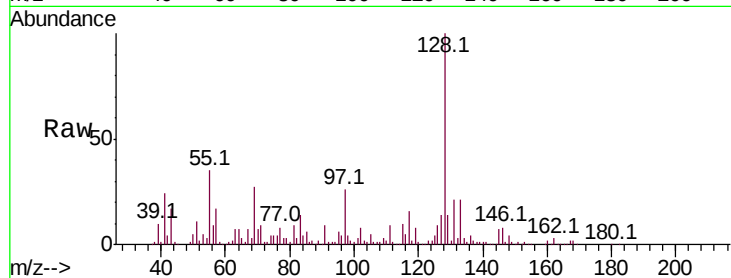
Tot Ion:128 Resp: 271203

Ion Ratio Lower Upper

128 100

129 14.1 9.6 14.4

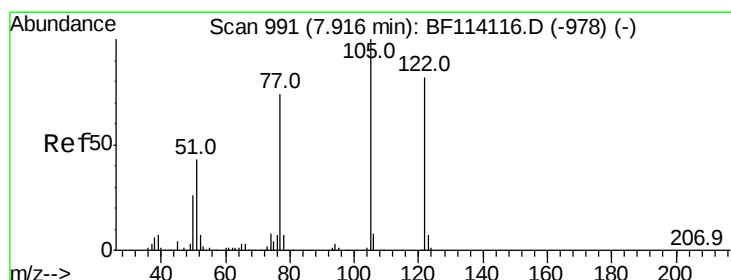
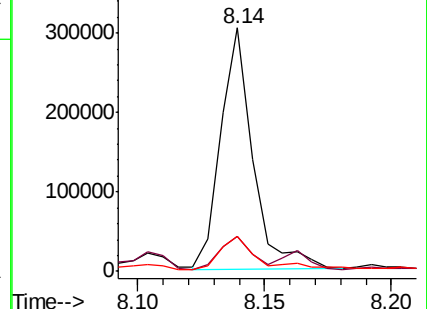
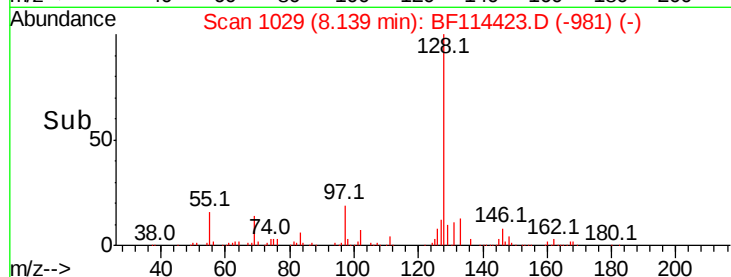
127 14.2 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.749 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

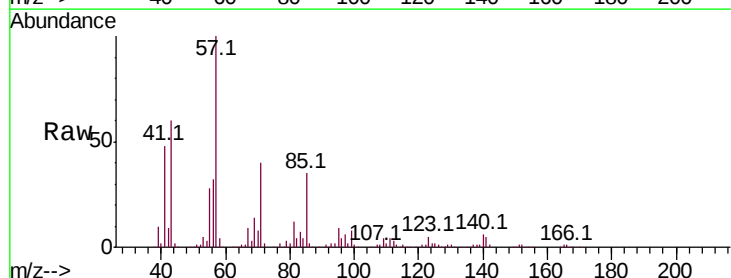
Tgt Ion:122 Resp: 7843

Ion Ratio Lower Upper

122 100

105 34.6 99.9 139.9#

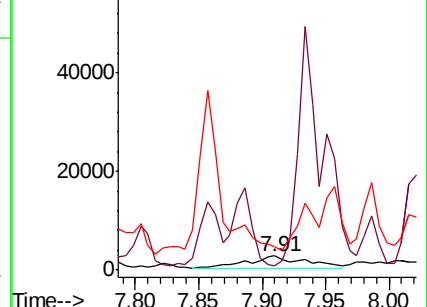
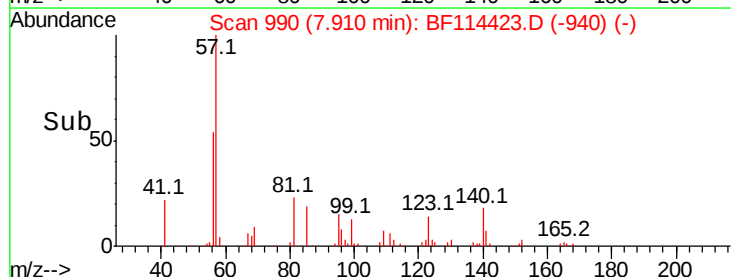
77 162.8 69.4 109.4#

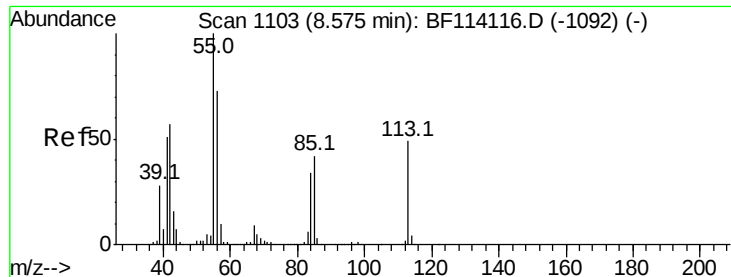


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

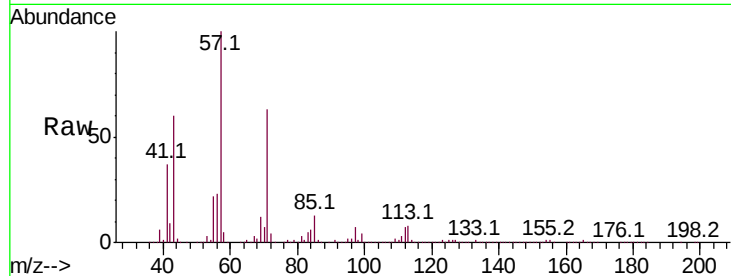




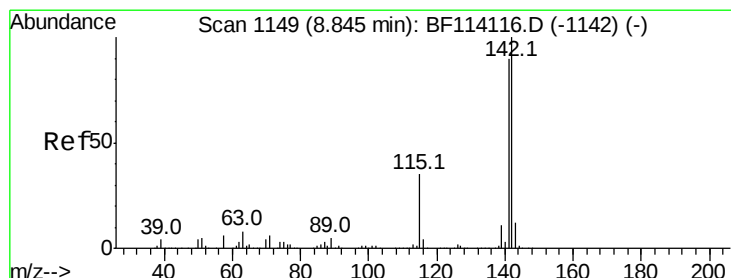
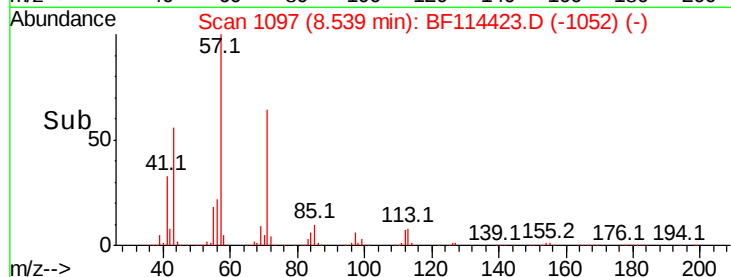
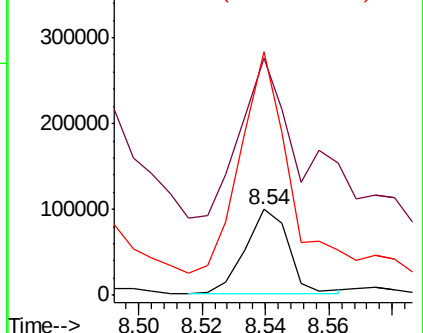
#35
 Caprolactam
 Concen: 22.569 ng
 RT: 8.54 min Scan# 1097
 Delta R.T. -0.04 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:113 Resp: 94473
 Ion Ratio Lower Upper
 113 100
 55 276.2 183.5 223.5#
 56 283.1 128.8 168.8#

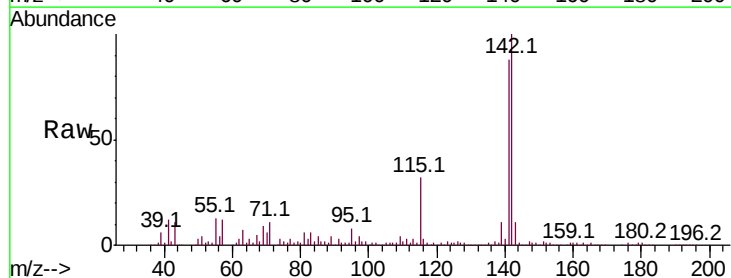


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

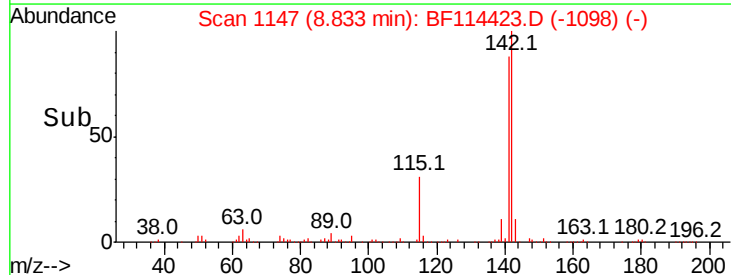
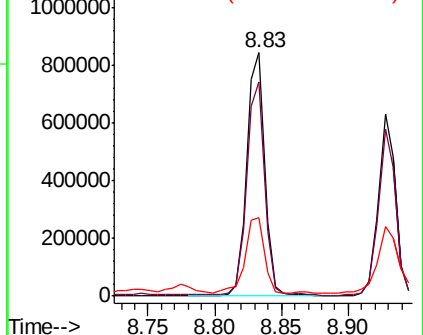


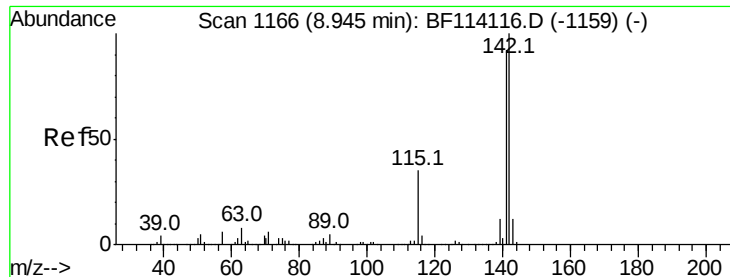
#37
 2-Methylnaphthalene
 Concen: 27.597 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Tgt Ion:142 Resp: 775354
 Ion Ratio Lower Upper
 142 100
 141 88.0 72.1 108.1
 115 32.0 28.0 42.0



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

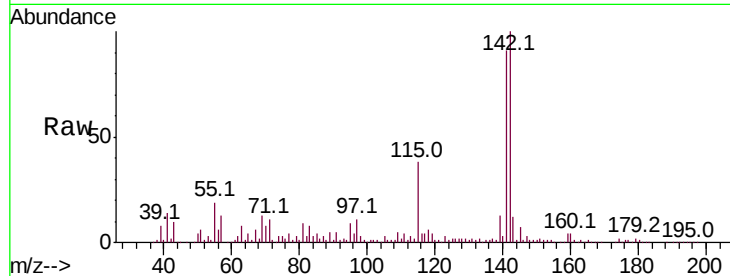




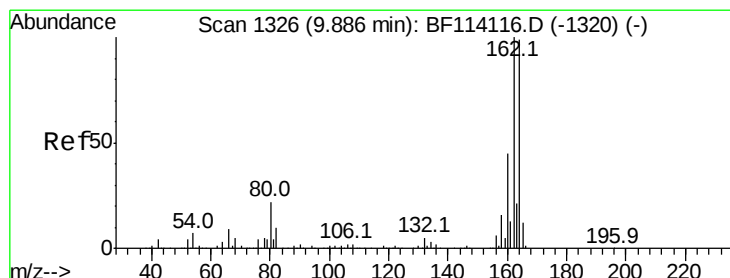
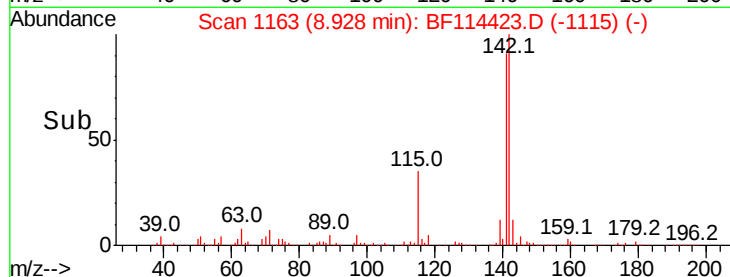
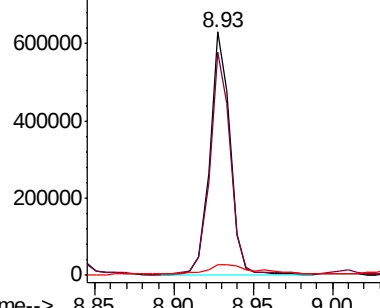
#38
 1-Methylnaphthalene
 Concen: 20.865 ng
 RT: 8.93 min Scan# 1163
 Delta R.T. -0.02 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.4	110.0
116	4.3	3.1	4.7

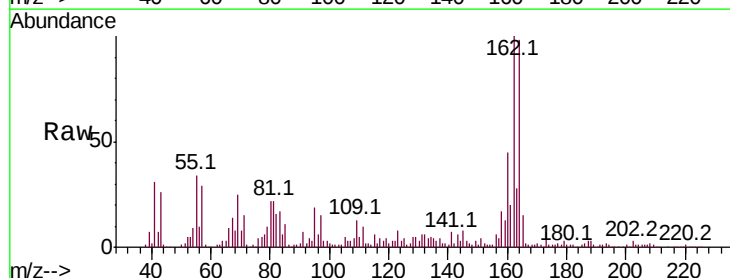


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

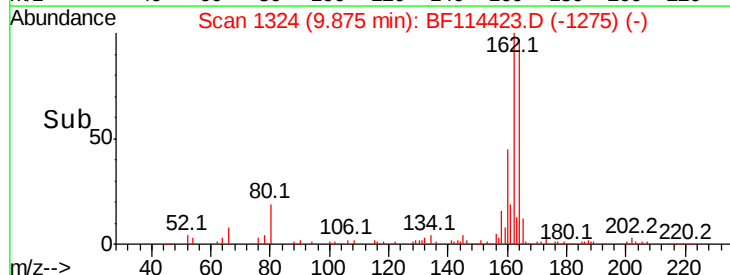
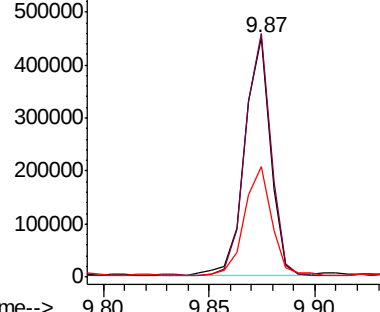


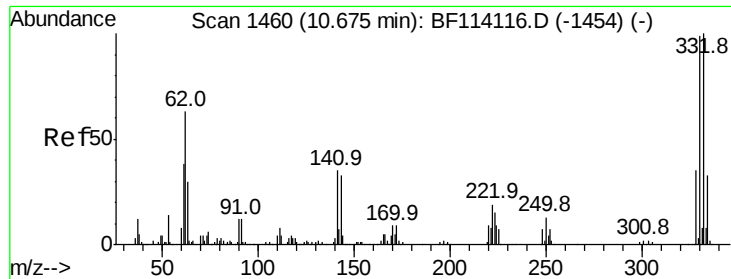
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	46.1	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

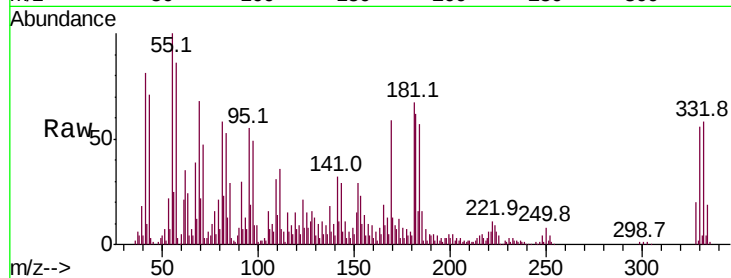




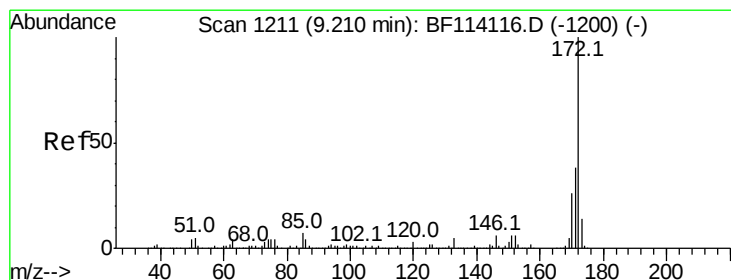
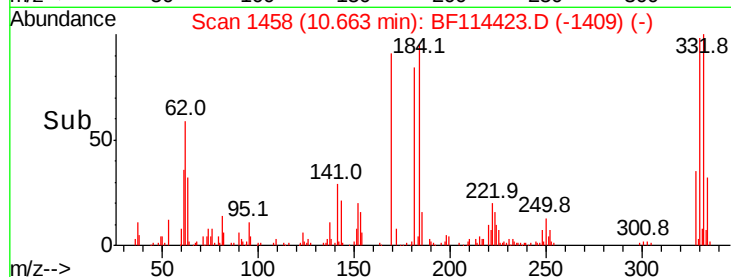
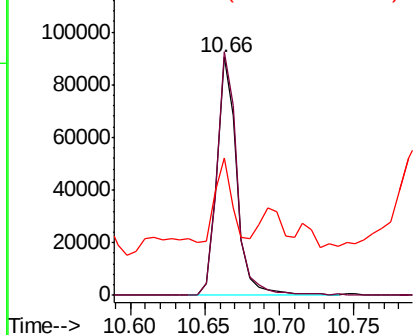
#42
 2,4,6-Tribromophenol
 Concen: 21.601 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 84755
 Ion Ratio Lower Upper
 330 100
 332 102.9 81.4 122.2
 141 28.7 26.6 40.0

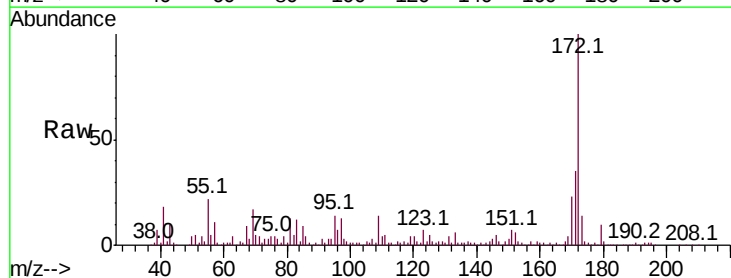


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

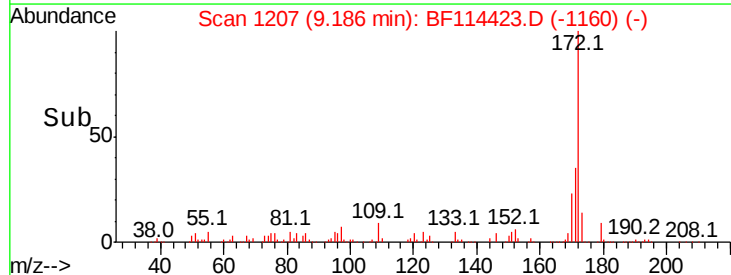
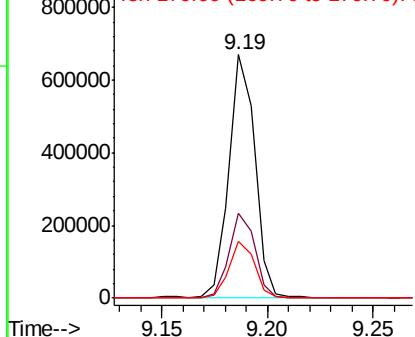


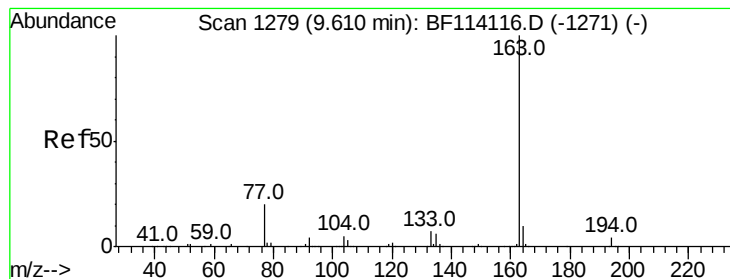
#45
 2-Fluorobiphenyl
 Concen: 22.471 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Tgt Ion:172 Resp: 563785
 Ion Ratio Lower Upper
 172 100
 171 35.0 30.7 46.1
 170 23.1 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: 2.689 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.03 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampled :

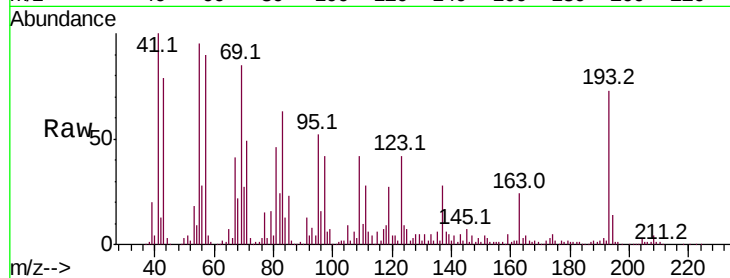
Tot Ion:163 Resp: 74924

Ion Ratio Lower Upper

163 100

194 57.1 3.4 5.0#

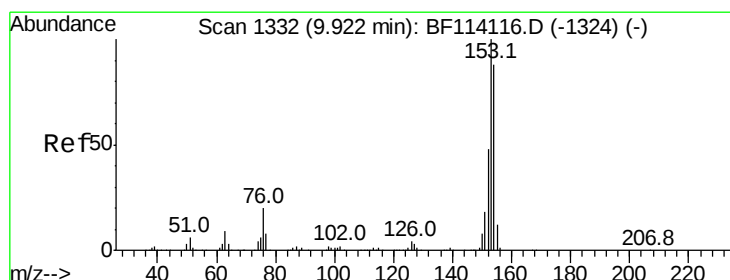
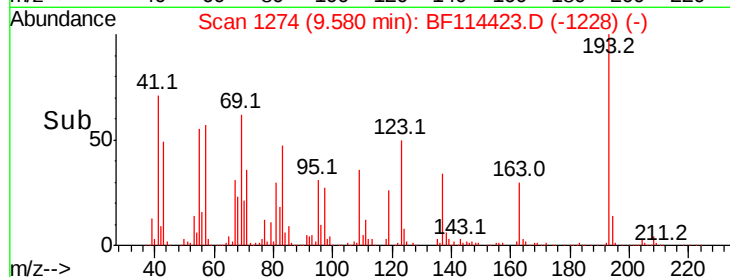
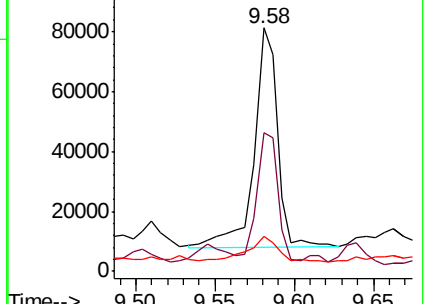
164 14.2 8.2 12.2#



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



#52

Acenaphthene

Concen: 17.239 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

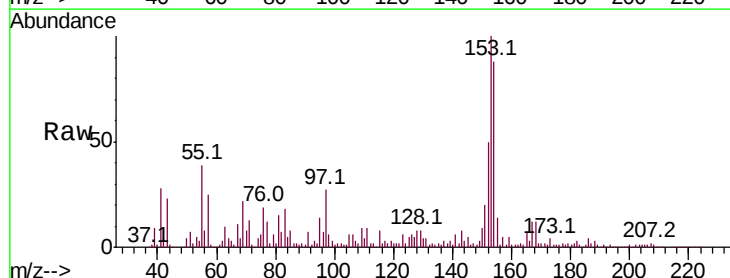
Tgt Ion:154 Resp: 397017

Ion Ratio Lower Upper

154 100

153 113.9 90.5 135.7

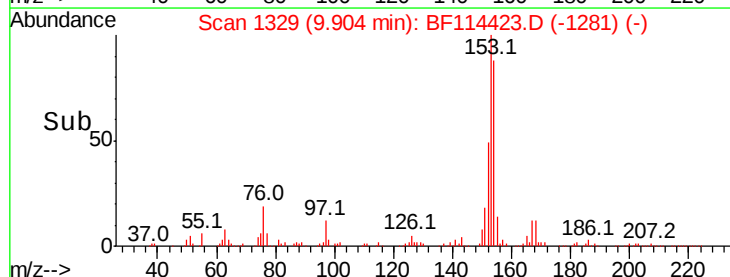
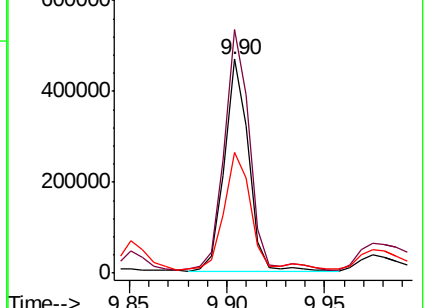
152 56.6 43.4 65.2

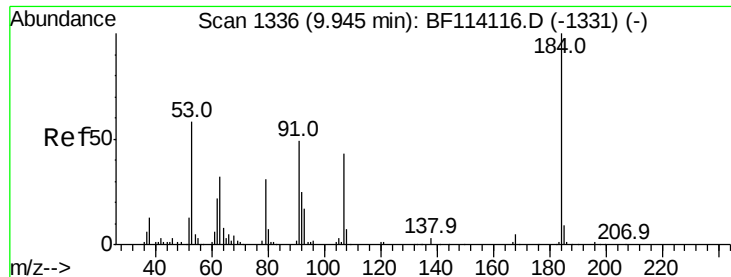


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

2,4-Dinitrophenol

Concen: 7.067 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampled :

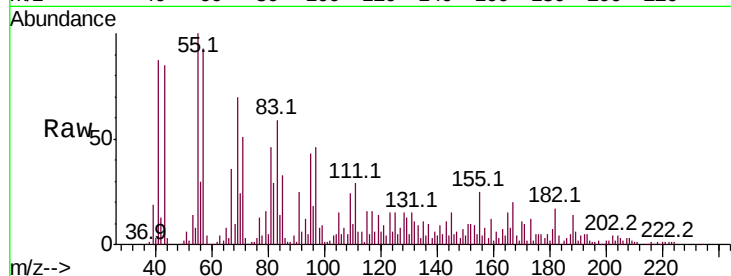
Tot Ion:184 Resp: 1092

Ion Ratio Lower Upper

184 100

63 832.2 55.6 83.4#

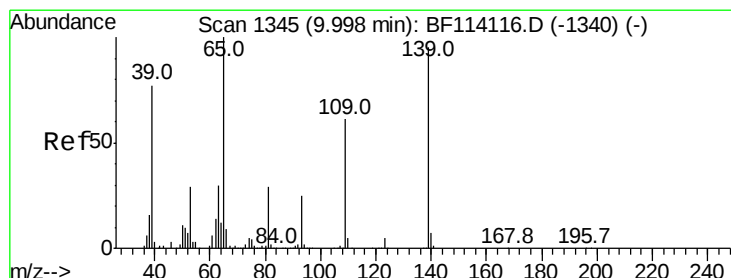
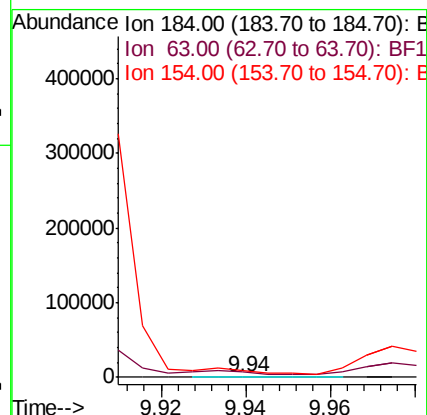
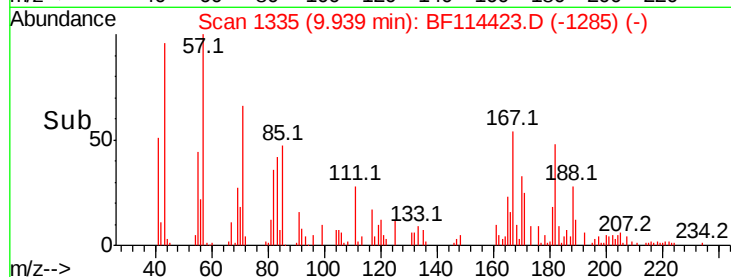
154 1148.8 46.0 69.0#



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



#56

4-Nitrophenol

Concen: 6.346 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

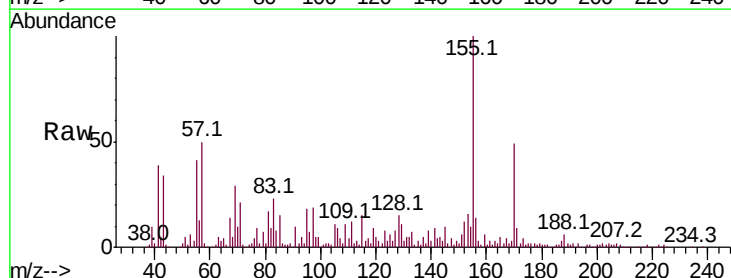
Tgt Ion:139 Resp: 34427

Ion Ratio Lower Upper

139 100

109 137.2 43.9 83.9#

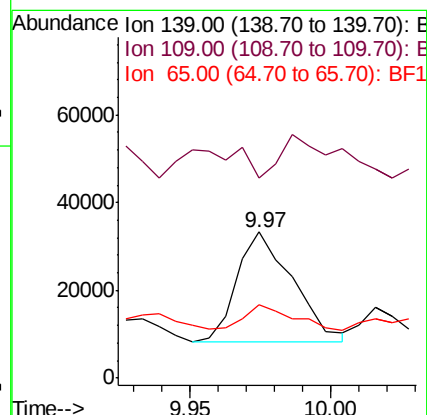
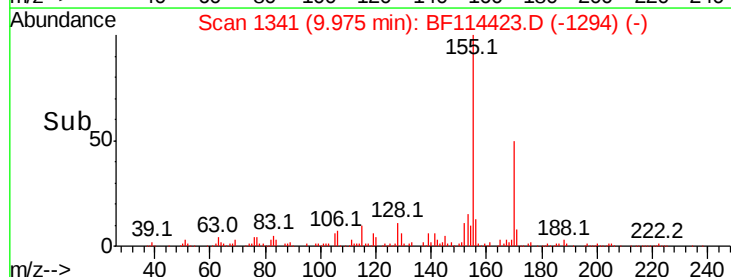
65 50.0 85.7 125.7#

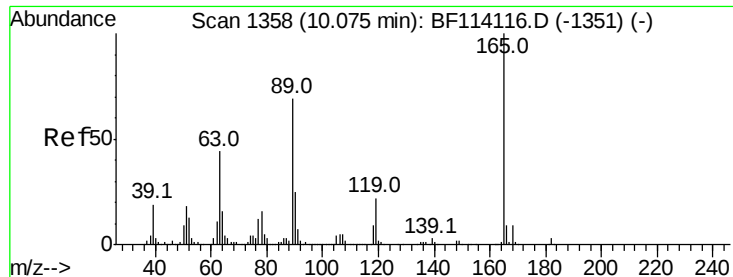


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

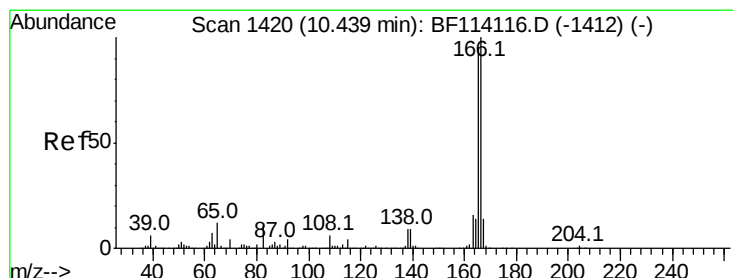
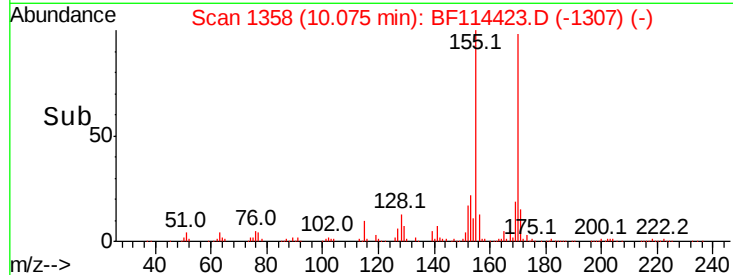
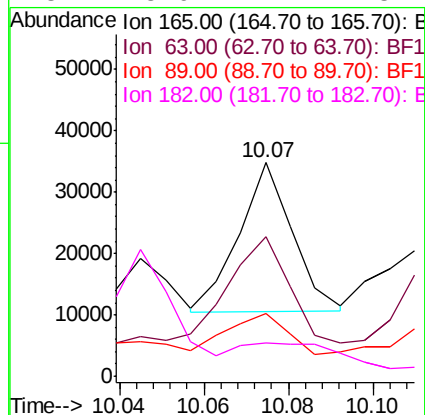
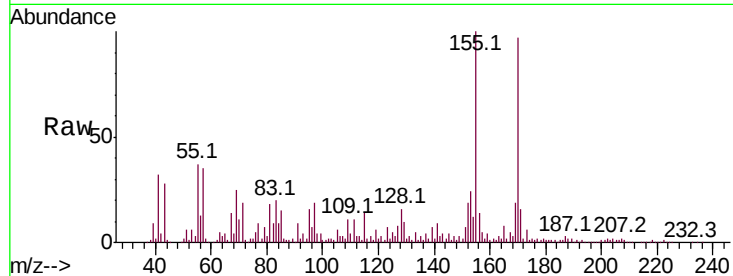




#57
2,4-Dinitrotoluene
Concen: 2.550 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.00 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

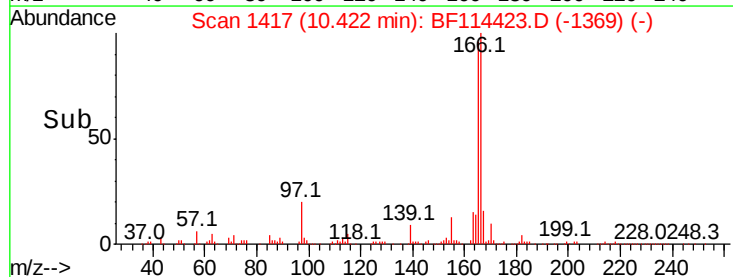
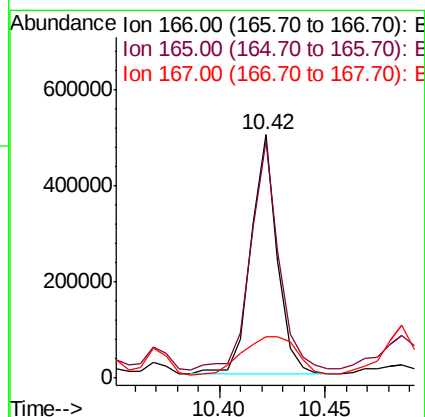
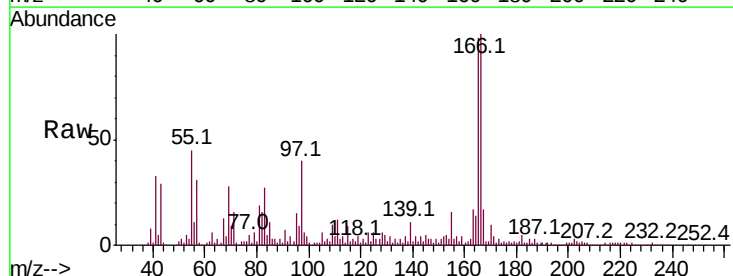
Instrument :
BNA_F
ClientSampleId :

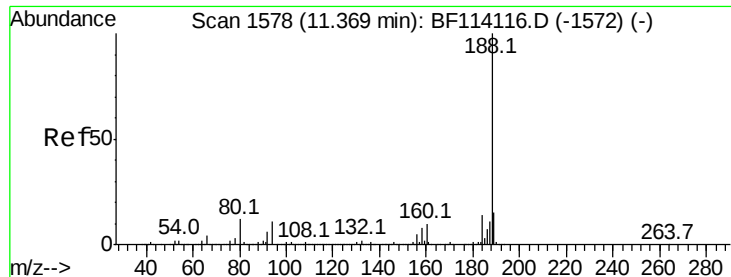
Tot Ion	Ratio	Lower	Upper
165	100		
63	65.4	35.5	53.3#
89	29.1	55.2	82.8#
182	15.9	2.2	3.2#



#58
Fluorene
Concen: 16.527 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.1	114.1
167	16.8	11.1	16.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampleId :

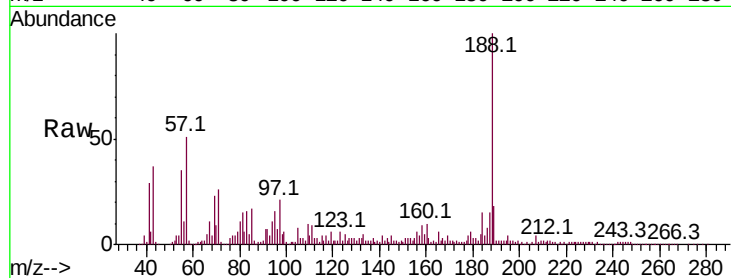
Tot Ion:188 Resp: 606837

Ion Ratio Lower Upper

188 100

94 11.2 8.4 12.6

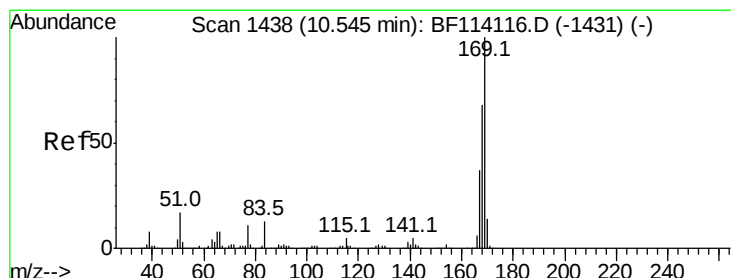
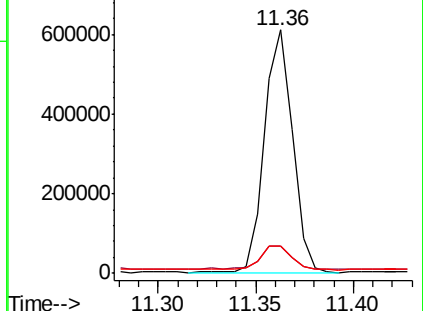
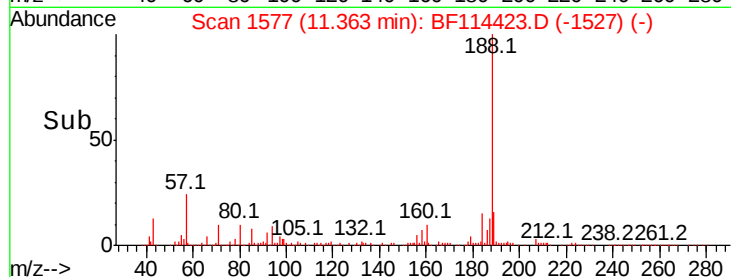
80 11.5 9.2 13.8



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: 8.571 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

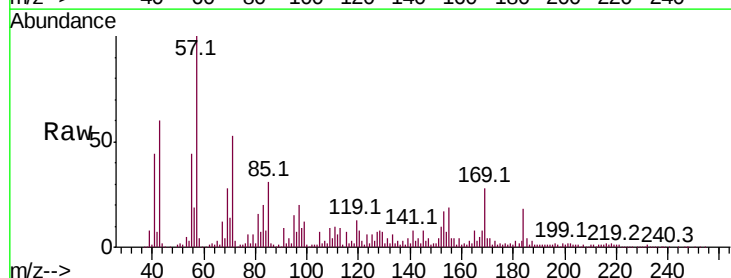
Tgt Ion:169 Resp: 157853

Ion Ratio Lower Upper

169 100

168 30.4 54.2 81.2#

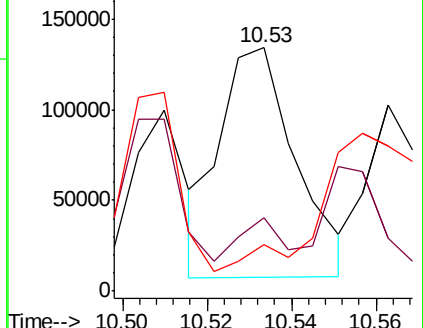
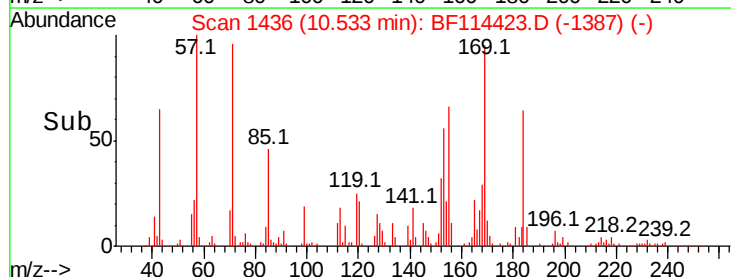
167 18.9 29.8 44.8#

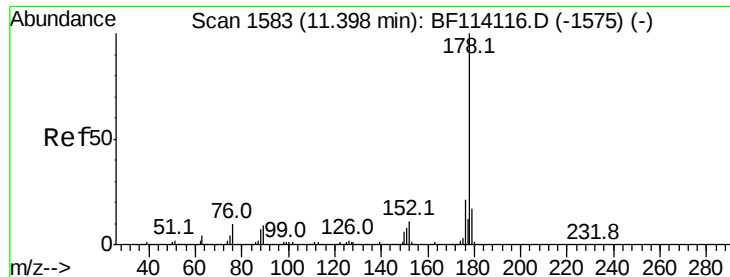


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



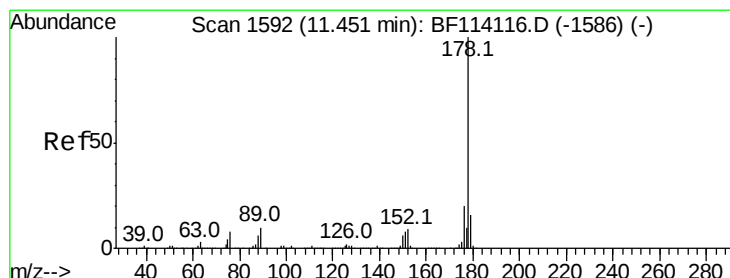
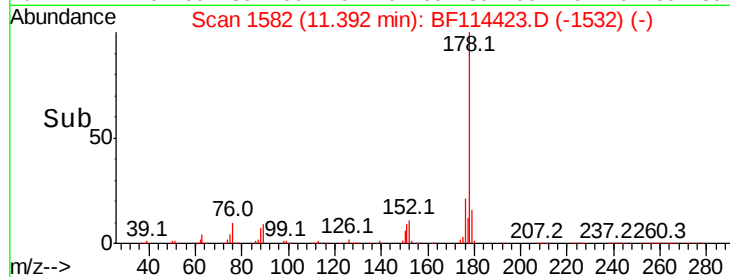
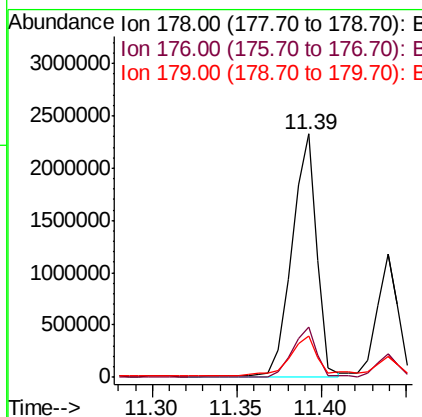
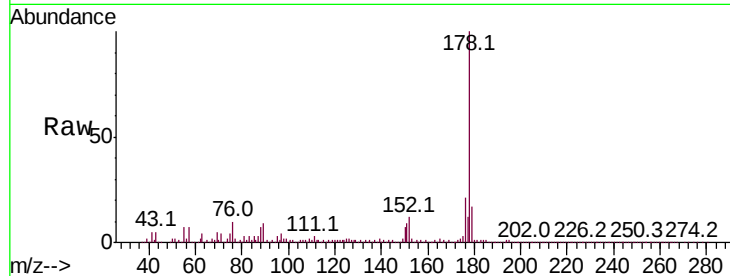


#71
 Phenanthrene
 Concen: 79.157 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 2336977

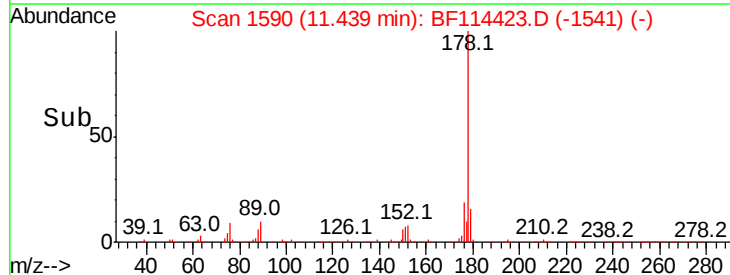
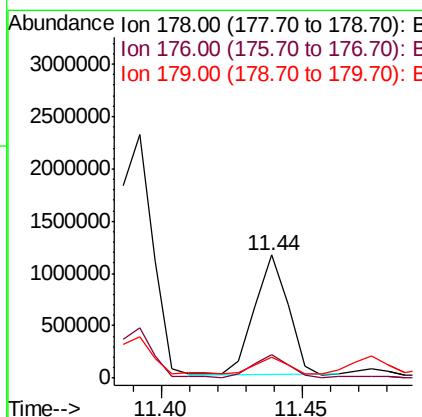
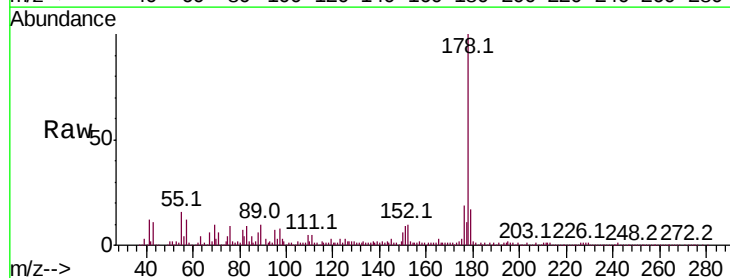
Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.4	24.6
179	17.0	13.2	19.8

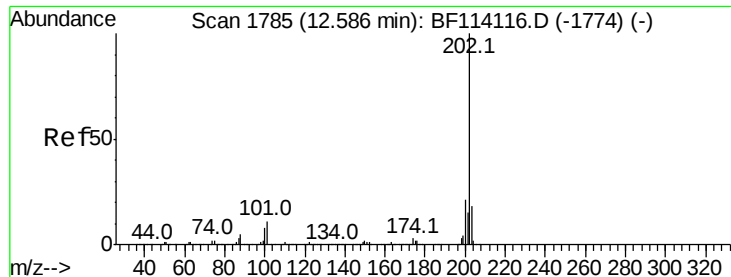


#72
 Anthracene
 Concen: 32.127 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Tgt Ion:178 Resp: 952697

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	17.2	13.0	19.4





#75

Fluoranthene

Concen: 82.120 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampleId :

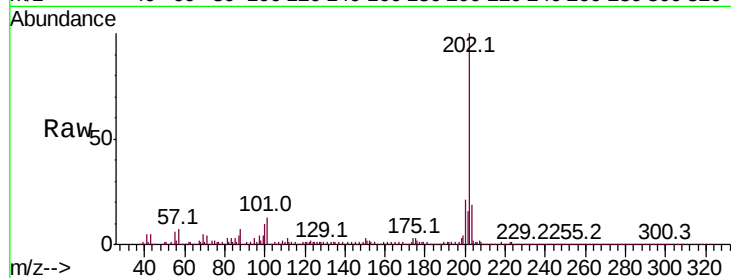
Tot Ion:202 Resp: 2610832

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.0

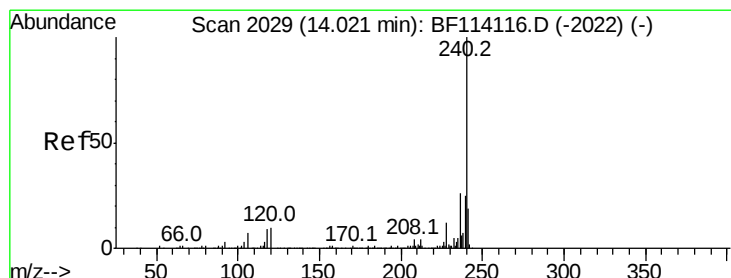
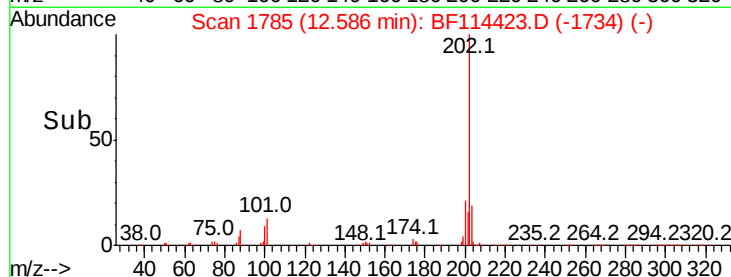
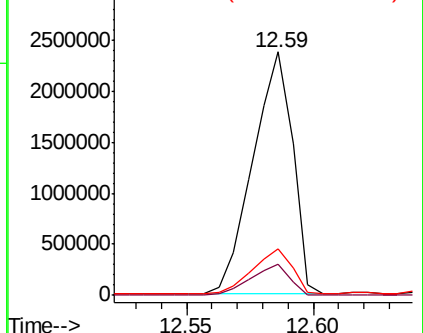
203 19.3 0.0 38.4



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: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

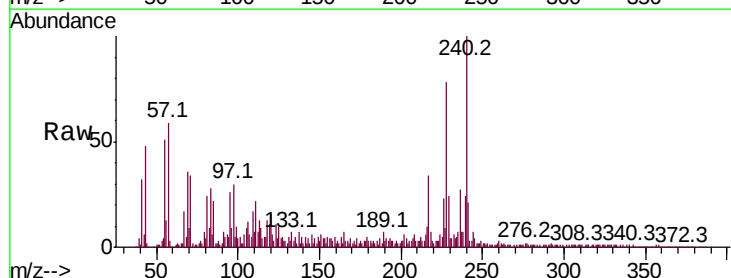
Tgt Ion:240 Resp: 381740

Ion Ratio Lower Upper

240 100

120 16.4 8.3 12.5#

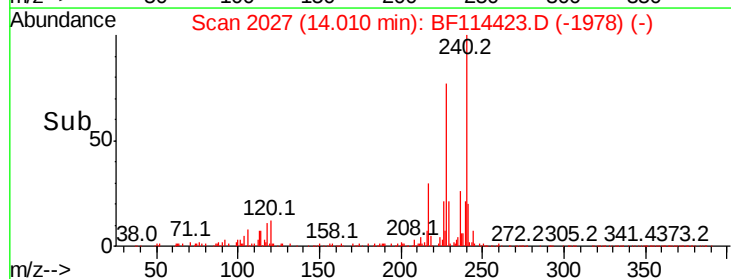
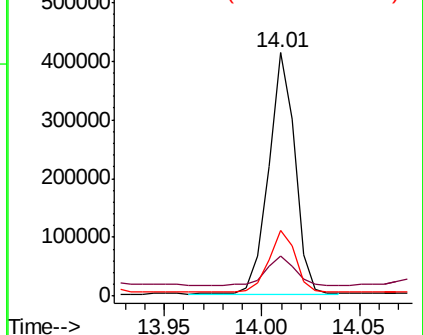
236 26.9 20.8 31.2

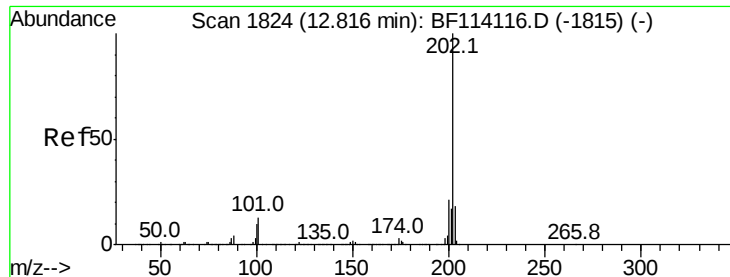


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

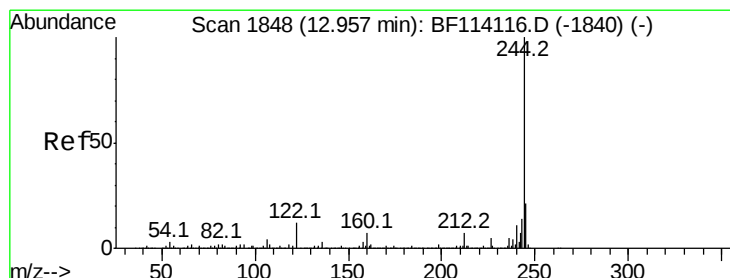
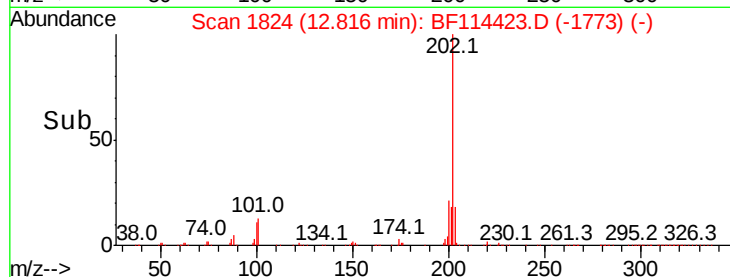
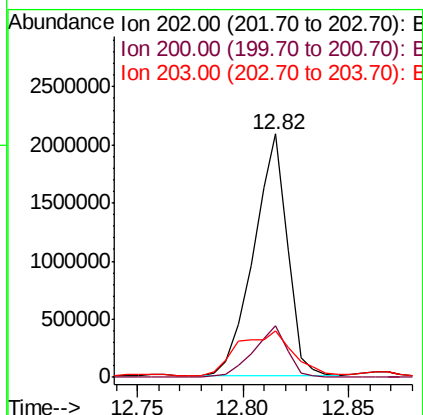
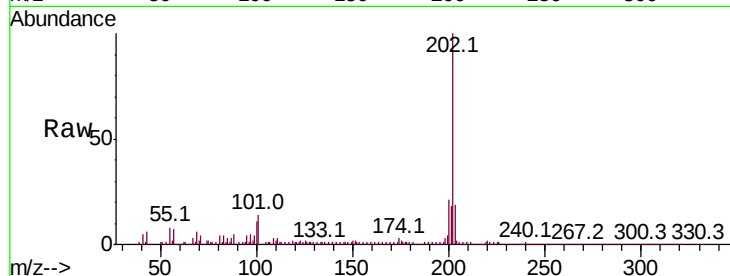




#78
Pvrene
Concen: 75.465 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

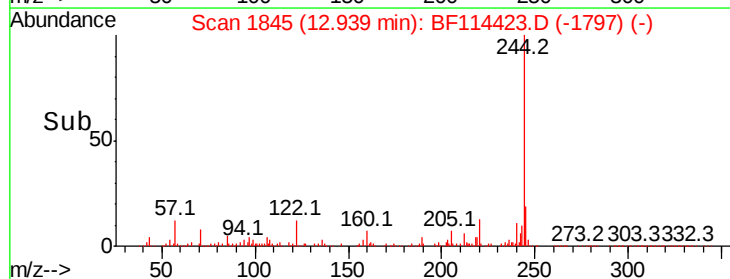
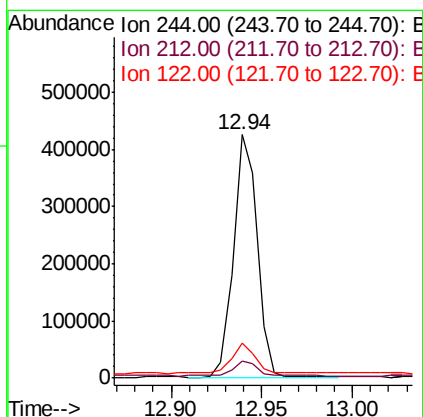
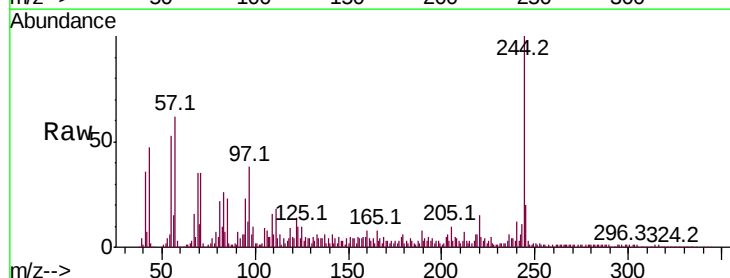
Instrument :
BNA_F
ClientSampleId :

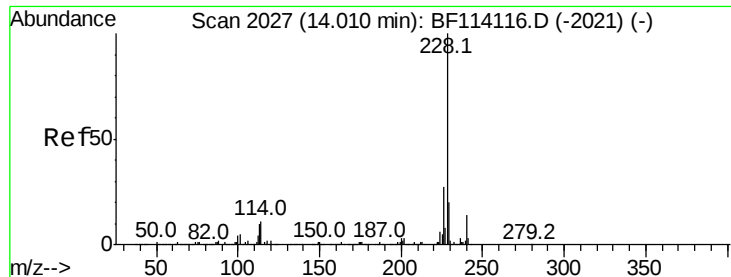
Tot Ion:202 Resp: 2317470
Ion Ratio Lower Upper
202 100
200 21.3 16.9 25.3
203 19.0 14.5 21.7



#79
Terphenyl-d14
Concen: 20.906 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion:244 Resp: 387150
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 14.3 9.4 14.2#





#81

Benzo(a)anthracene

Concen: 38.532 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampleId :

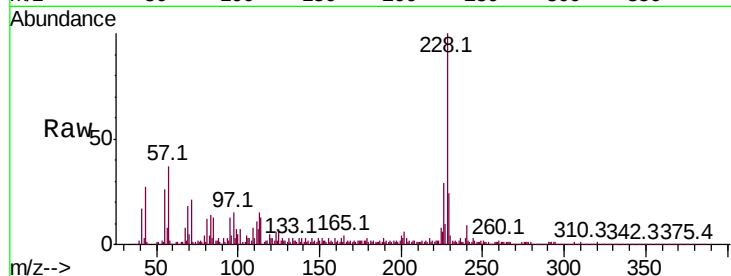
Tot Ion:228 Resp: 951381

Ion Ratio Lower Upper

228 100

226 29.1 22.2 33.2

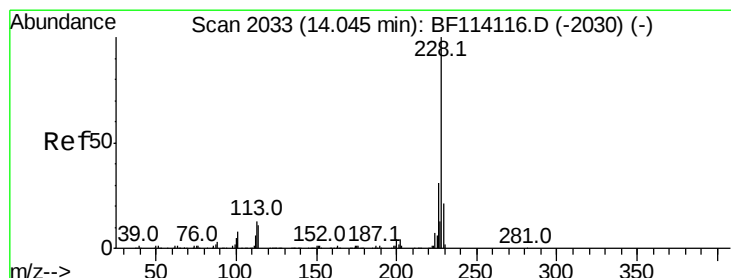
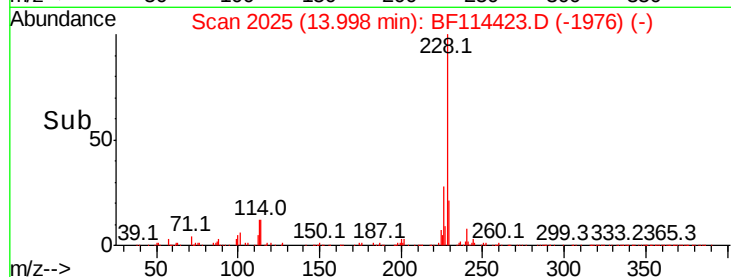
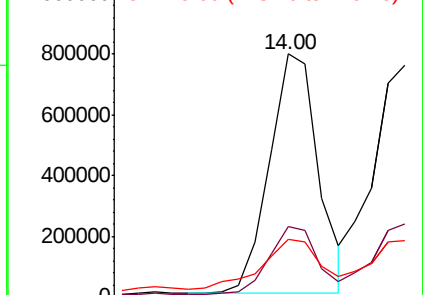
229 24.0 16.4 24.6



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: 33.918 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

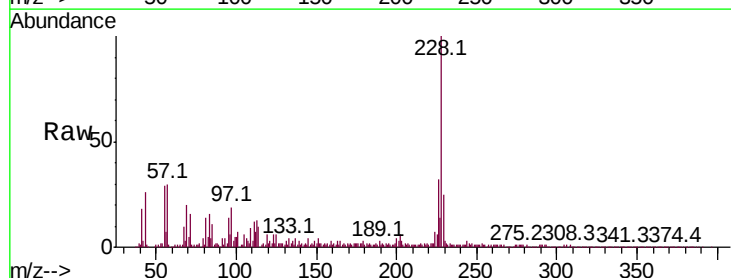
Tgt Ion:228 Resp: 820957

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

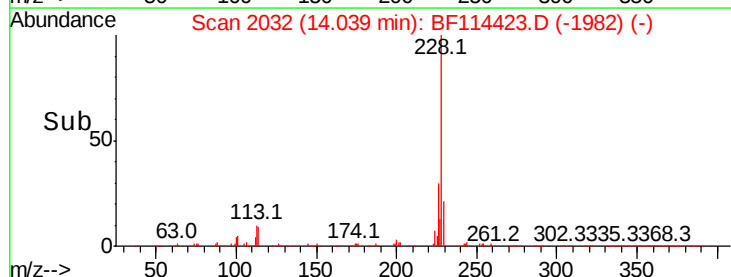
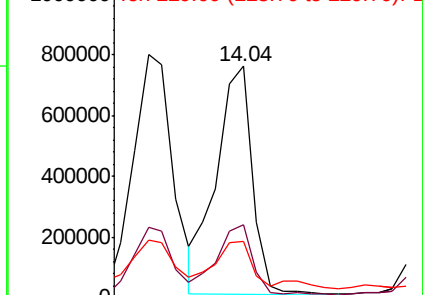
229 24.5 17.0 25.6

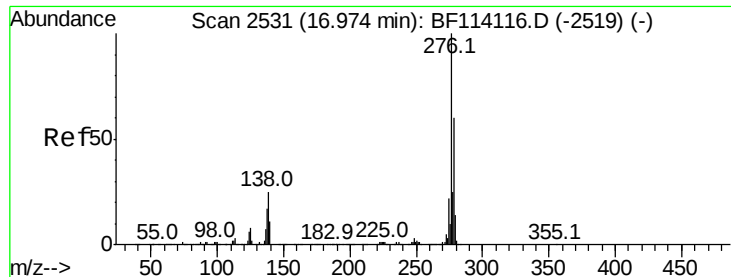


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

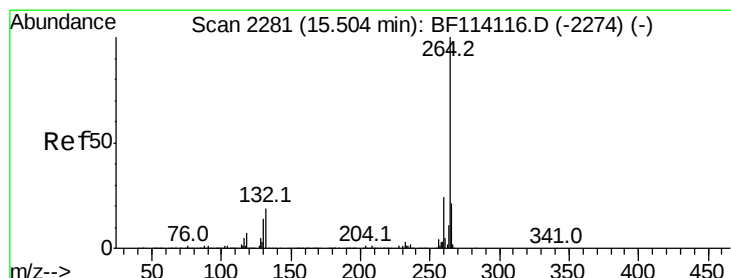
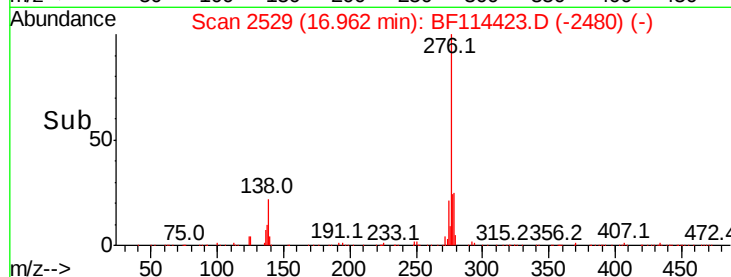
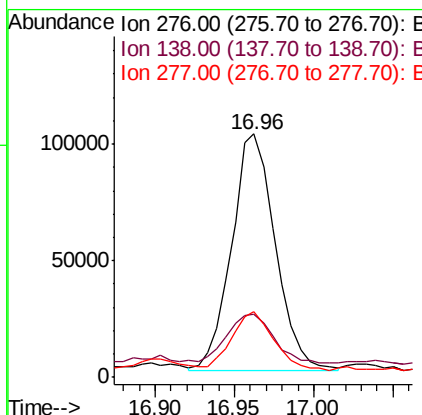
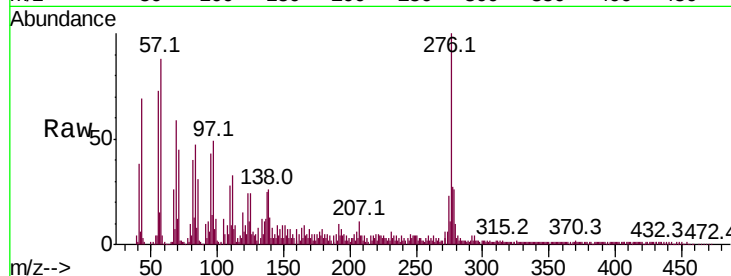




#86
Indeno(1,2,3-cd)pyrene
Concen: 9.045 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

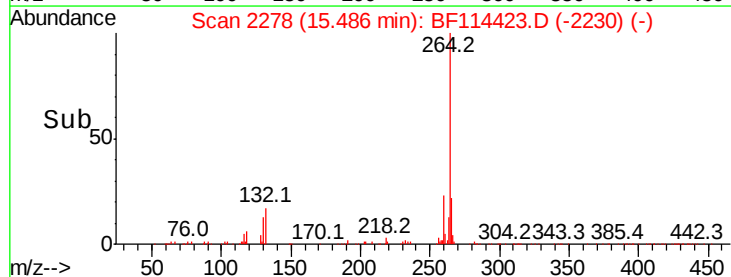
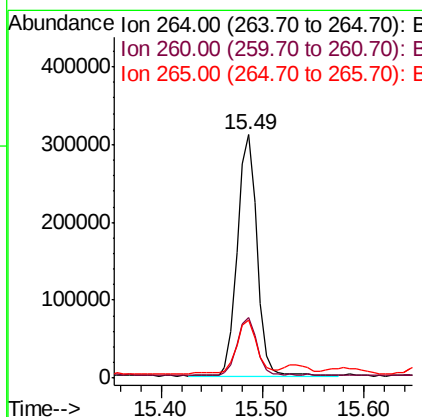
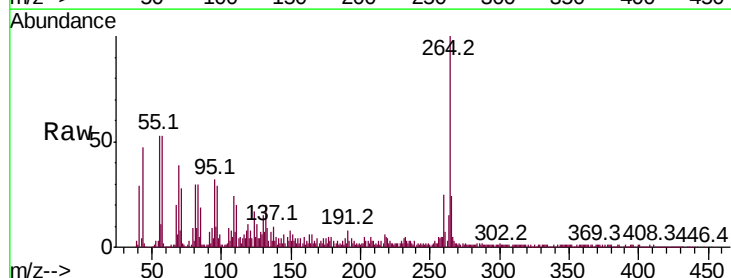
Instrument :
BNA_F
ClientSampleId :

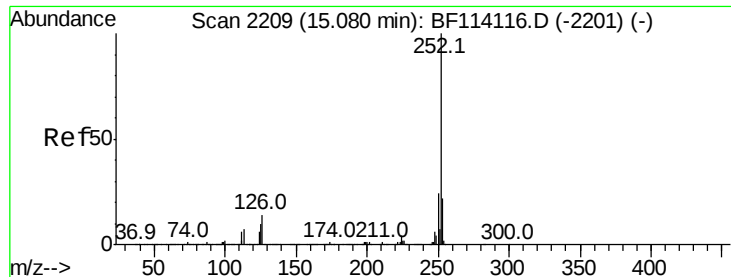
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	20.2	30.2
277	24.3	20.0	30.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BF114423.D
Acq: 19 May 2019 6:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.0
265	23.7	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 39.183 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampleId :

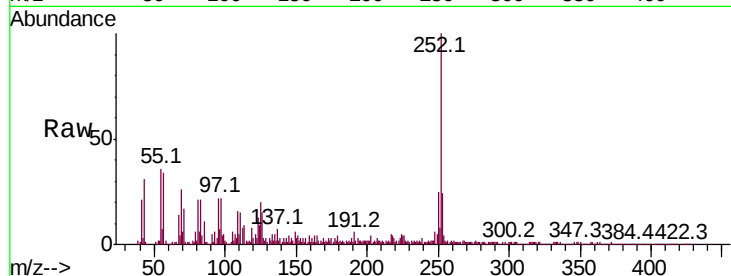
Tot Ion:252 Resp: 1047282

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

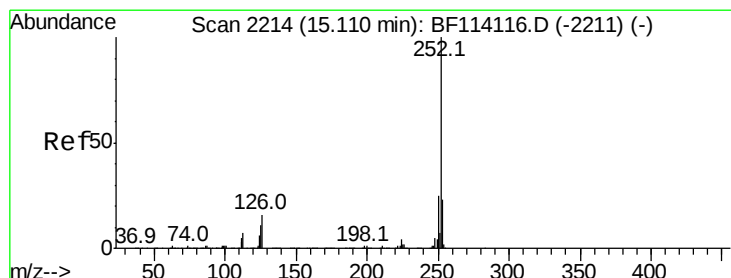
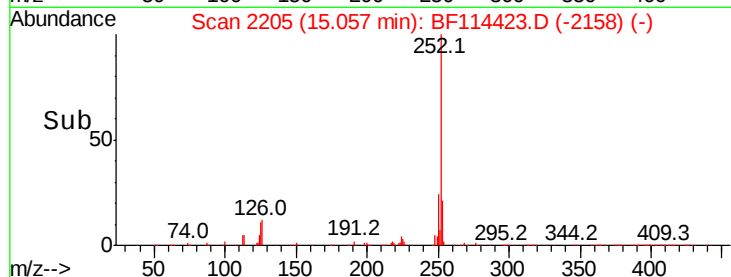
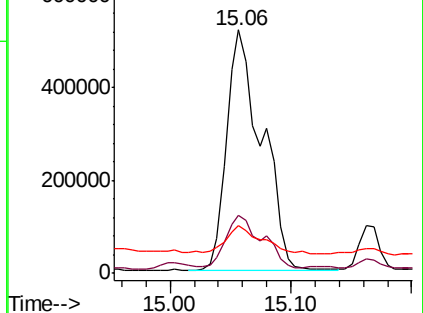
125 19.7 8.3 12.5#



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: 42.655 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.05 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

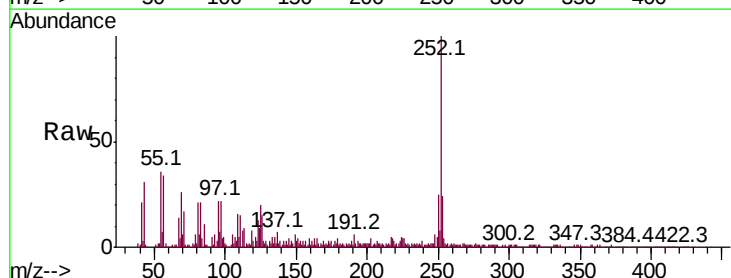
Tgt Ion:252 Resp: 1047282

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

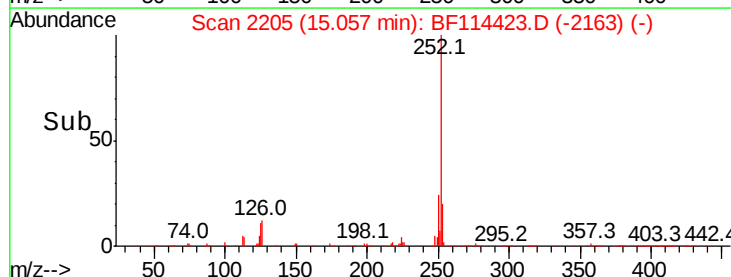
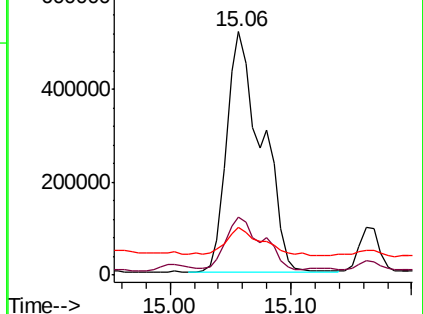
125 19.7 8.6 13.0#

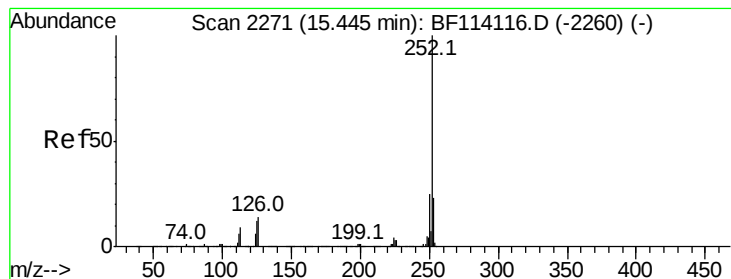


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 22.727 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

Instrument :

BNA_F

ClientSampleId :

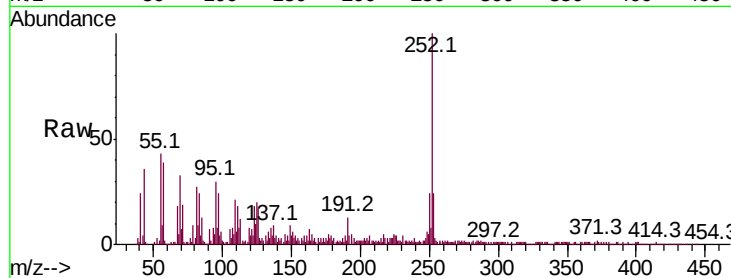
Tot Ion:252 Resp: 534613

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

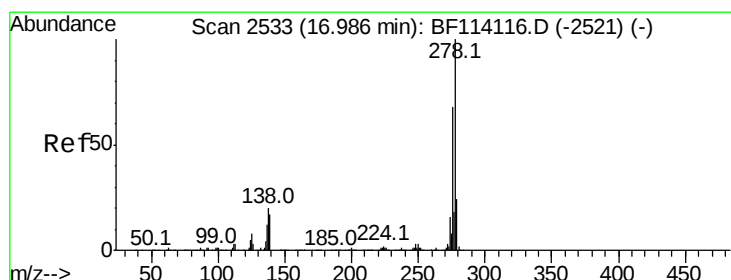
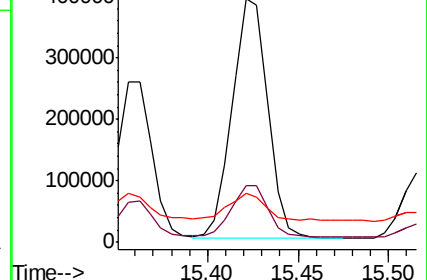
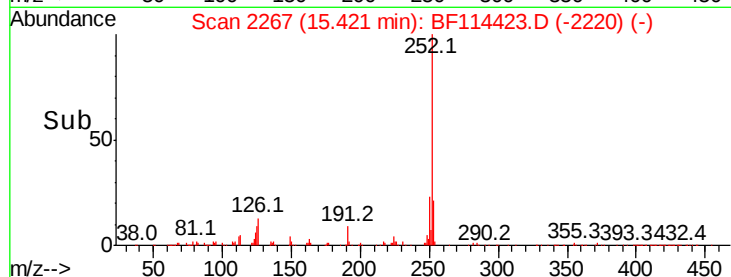
125 20.2 9.5 14.3#



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



#91

Dibenzo(a,h)anthracene

Concen: 2.840 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.03 min

Lab File: BF114423.D

Acq: 19 May 2019 6:42

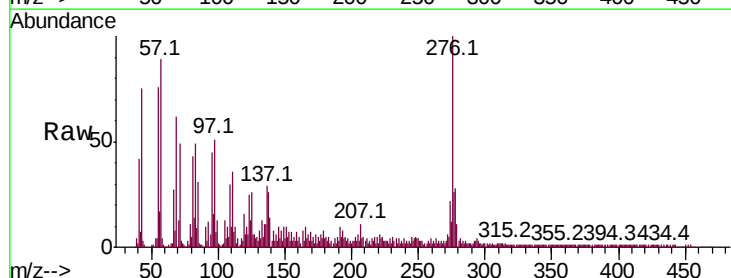
Tgt Ion:278 Resp: 55507

Ion Ratio Lower Upper

278 100

139 48.7 13.5 20.3#

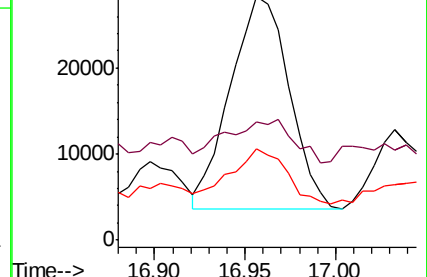
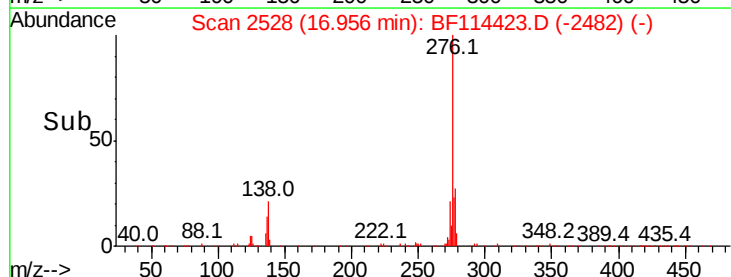
279 37.4 19.0 28.6#

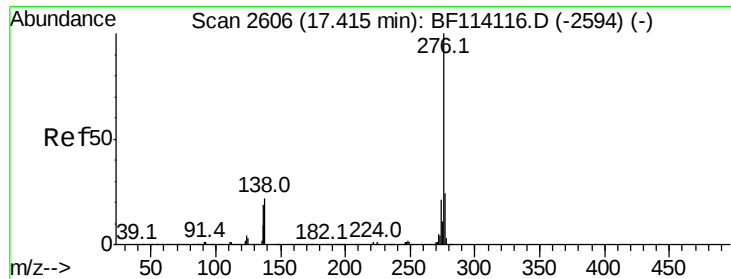


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 8.518 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.01 min
 Lab File: BF114423.D
 Acq: 19 May 2019 6:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.0	28.4
138	26.5	17.8	26.6

