

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051019\
 Data File : BF114135.D
 Acq On : 10 May 2019 21:54
 Operator : JU/SJ
 Sample : K2764-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0612-01

Quant Time: May 11 04:02:53 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	323197	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1126013	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	470849	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	867539	20.00	ng	0.00
76) Chrysene-d12	14.01	240	641877	20.00	ng	-0.01
87) Perylene-d12	15.49	264	553997	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	2206262	109.85	ng	0.00
7) Phenol-d6	6.49	99	2863837	120.57	ng	0.00
23) Nitrobenzene-d5	7.42	82	1706775	85.07	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	574816	118.09	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	2661550	85.51	ng	0.00
79) Terphenyl-d14	12.96	244	2400349	77.09	ng	0.00

Target Compounds

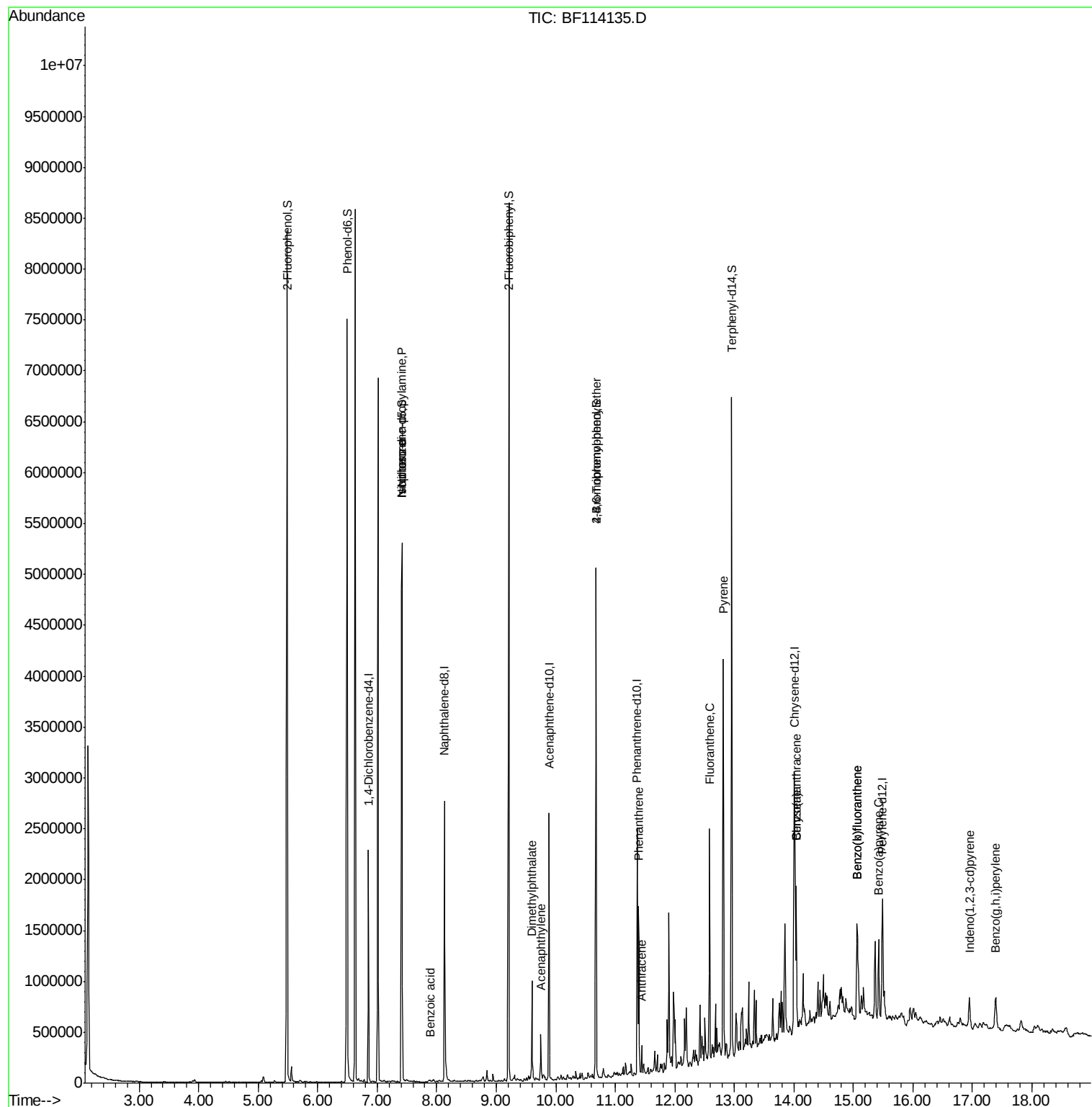
						Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	228444	15.173	ng	# 76
25) Isophorone	7.42	82	1698270	45.638	ng	# 64
32) Benzoic acid	7.90	122	805	7.083	ng	# 82
49) Acenaphthylene	9.75	152	174489	3.748	ng	97
50) Dimethylphthalate	9.60	163	347687	10.059	ng	99
67) 4-Bromophenyl-phenylether	10.67	248	36648	3.837	ng	# 1
71) Phenanthrene	11.39	178	578623	13.709	ng	97
72) Anthracene	11.45	178	103743	2.447	ng	96
75) Fluoranthene	12.59	202	940657	20.696	ng	100
78) Pyrene	12.82	202	1667711	32.298	ng	99
81) Benzo(a)anthracene	14.04	228	620746	14.952	ng	98
83) Chrysene	14.04	228	620746	15.253	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	212694	5.913	ng	97
88) Benzo(b)fluoranthene	15.06	252	674020	18.991	ng	# 97
89) Benzo(k)fluoranthene	15.06	252	674020	20.673	ng	98
90) Benzo(a)pyrene	15.43	252	318231	10.188	ng	97
92) Benzo(a,h,i)perylene	17.39	276	243131	9.347	ng	97

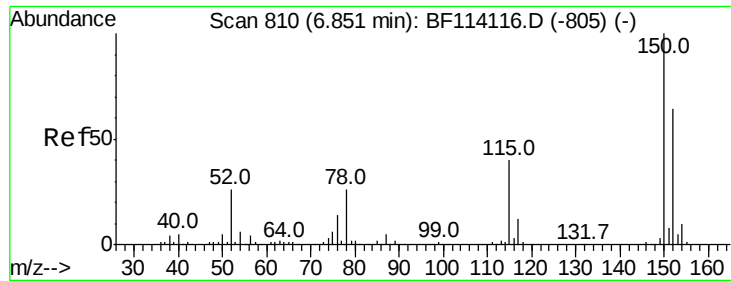
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0612-01

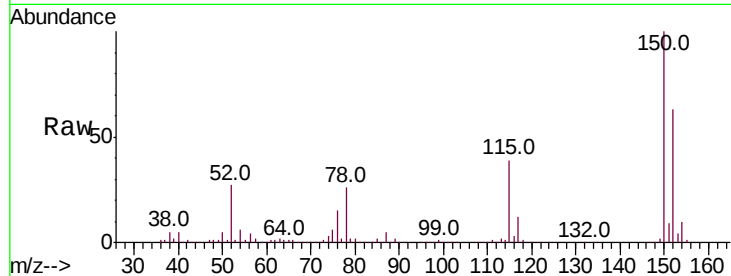
Tot Ion:152 Resp: 323197

Ion Ratio Lower Upper

152 100

150 159.7 124.3 186.5

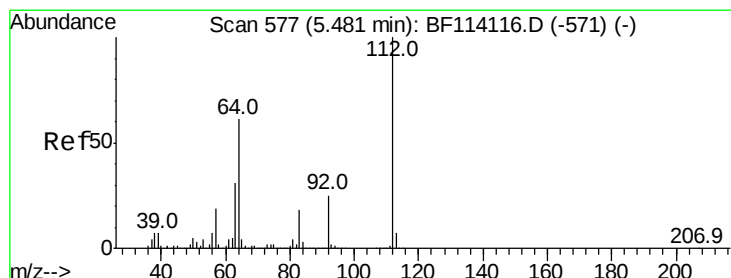
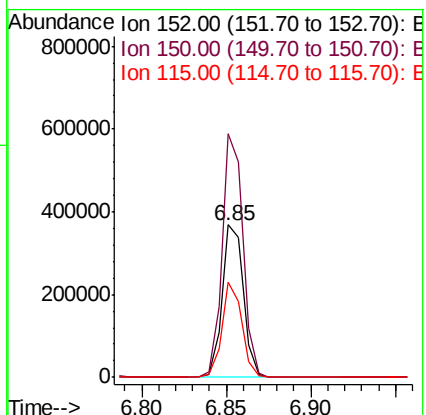
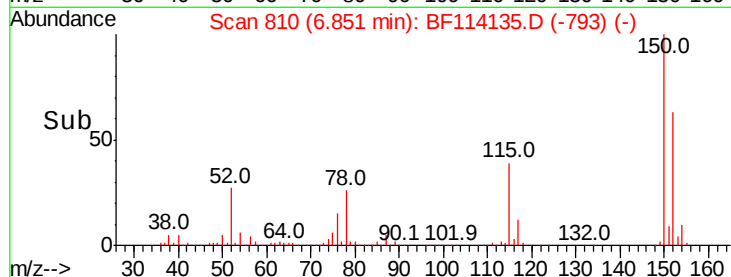
115 62.5 49.1 73.7



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: 109.854 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

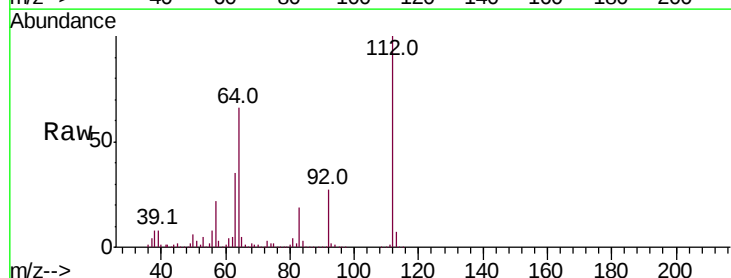
Tgt Ion:112 Resp: 2206262

Ion Ratio Lower Upper

112 100

64 66.2 49.0 73.6

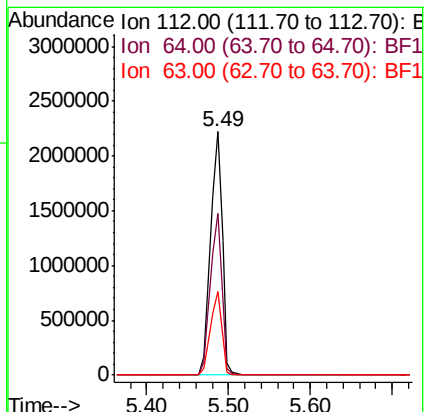
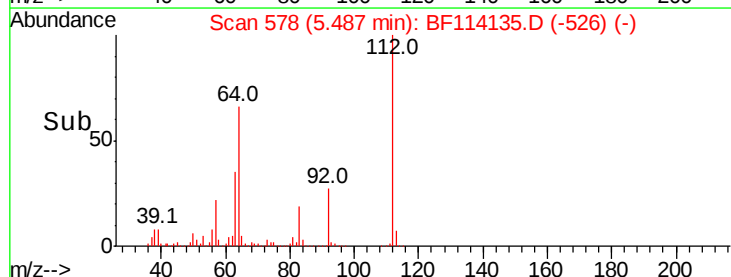
63 34.6 24.6 37.0



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: 120.565 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0612-01

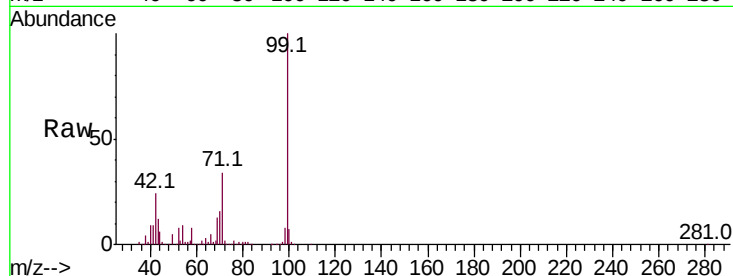
Tot Ion: 99 Resp: 2863837

Ion Ratio Lower Upper

99 100

42 23.6 17.9 26.9

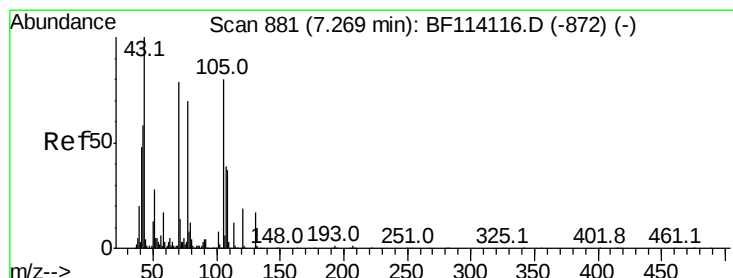
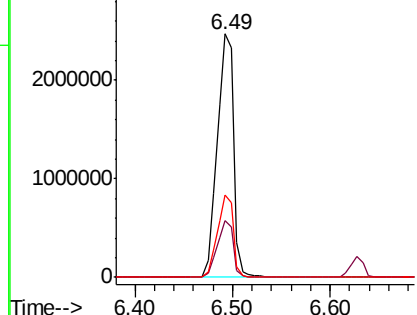
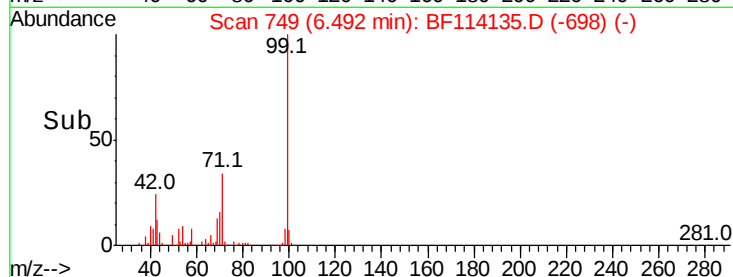
71 33.7 26.2 39.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.173 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion: 70 Resp: 228444

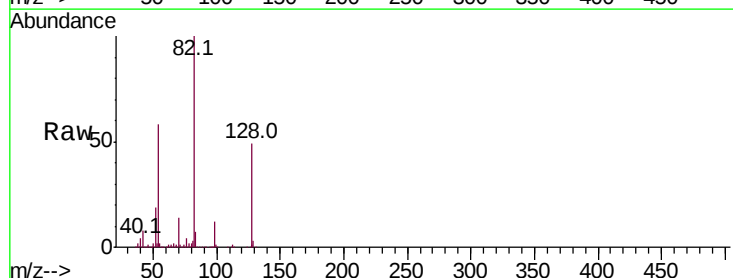
Ion Ratio Lower Upper

70 100

42 57.2 58.6 87.8#

101 0.0 7.8 11.8#

130 2.5 17.1 25.7#

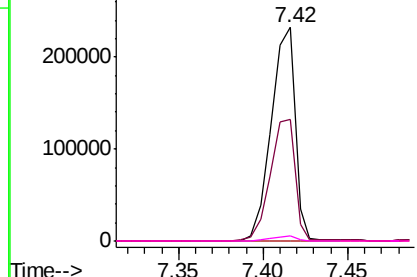
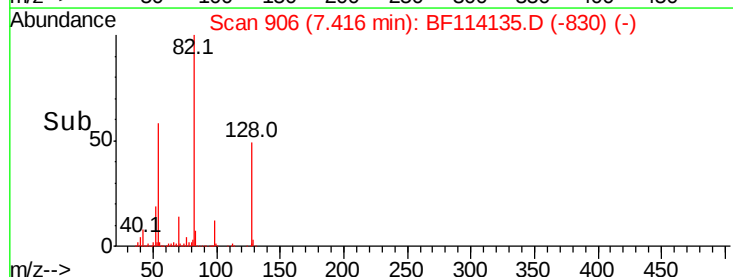


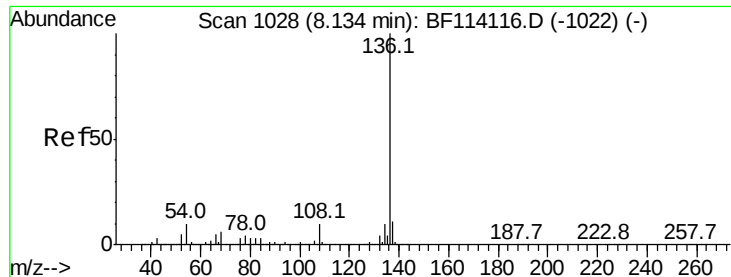
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

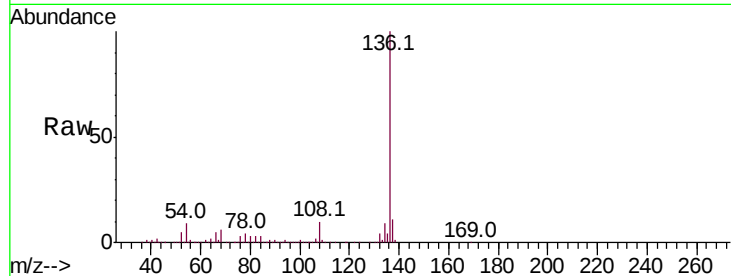




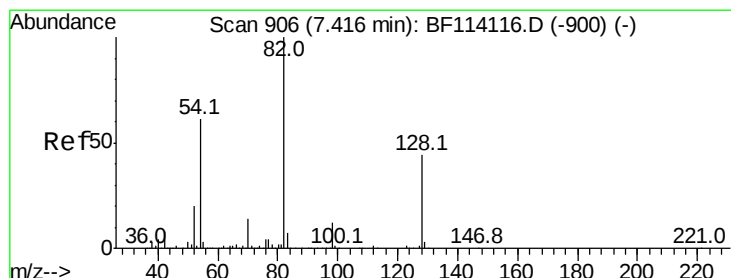
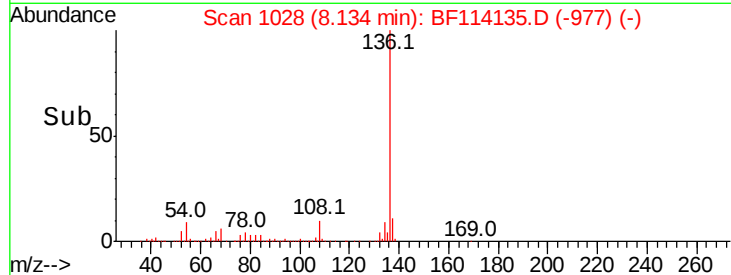
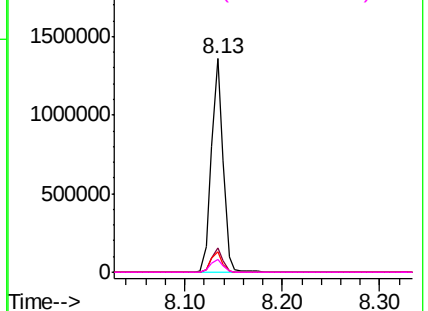
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0612-01

Tot Ion:136	Resp: 1126013
Ion Ratio	Lower Upper
136 100	
137 11.4	8.8 13.2
54 9.5	7.8 11.8
68 6.2	5.1 7.7

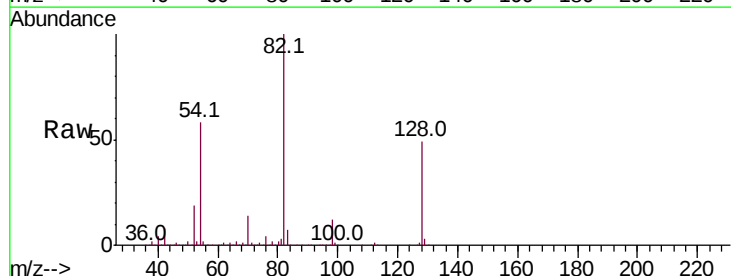


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

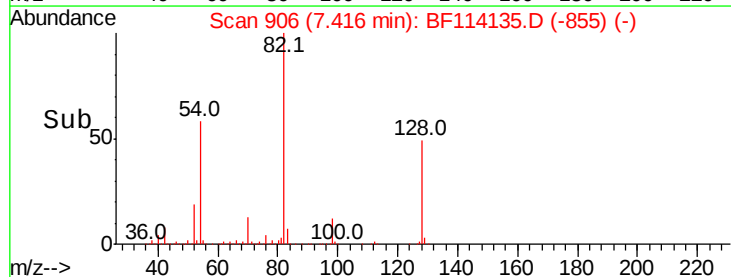
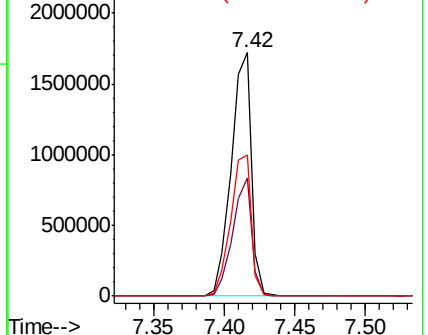


#23
Nitrobenzene-d5
Concen: 85.065 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Tgt Ion: 82	Resp: 1706775
Ion Ratio	Lower Upper
82 100	
128 48.6	35.5 53.3
54 58.1	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





#25

Isophorone

Concen: 45.638 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0612-01

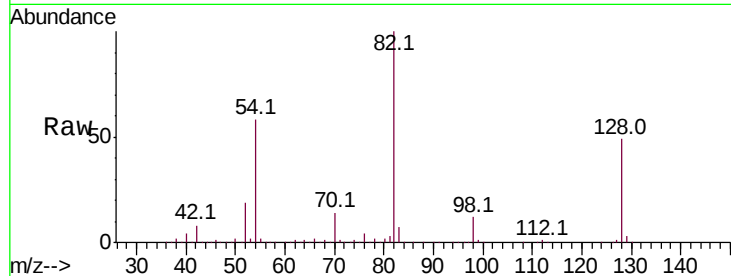
Tot Ion: 82 Resp: 1698270

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

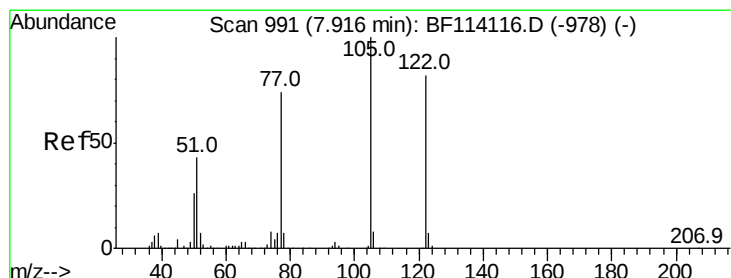
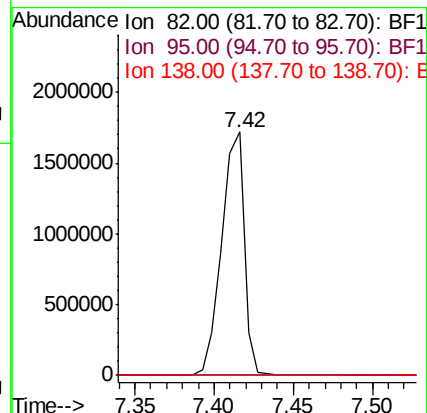
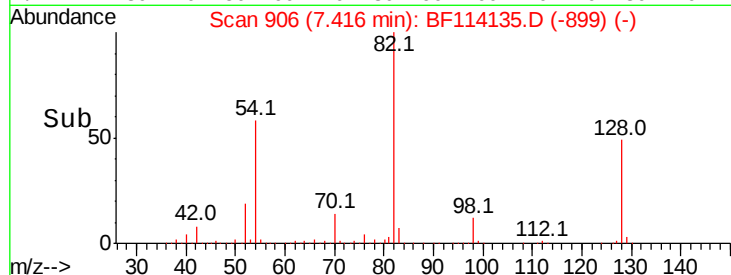
138 0.0 14.8 22.2#



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: 7.083 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

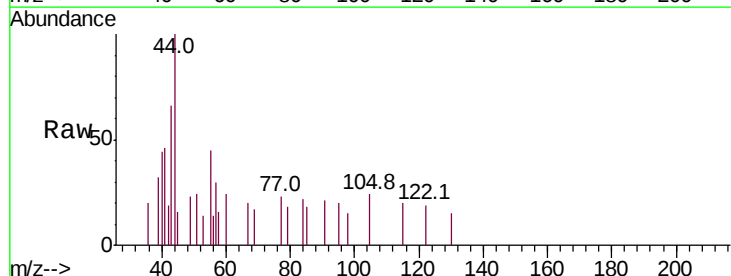
Tgt Ion: 122 Resp: 805

Ion Ratio Lower Upper

122 100

105 127.9 99.9 139.9

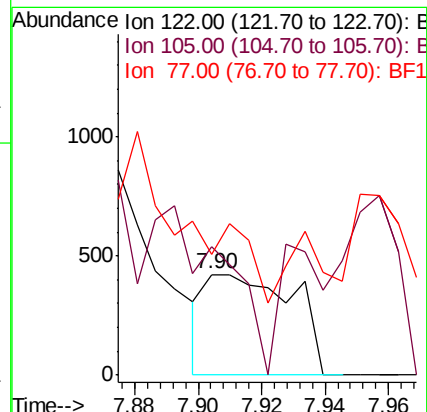
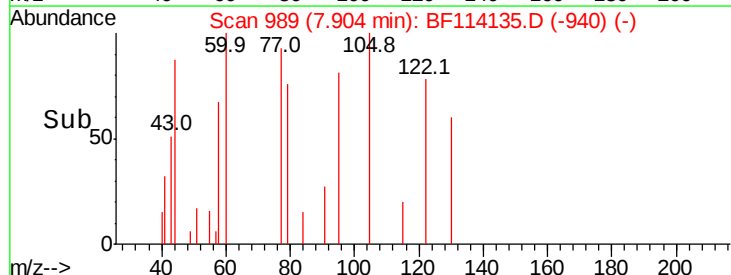
77 119.4 69.4 109.4#

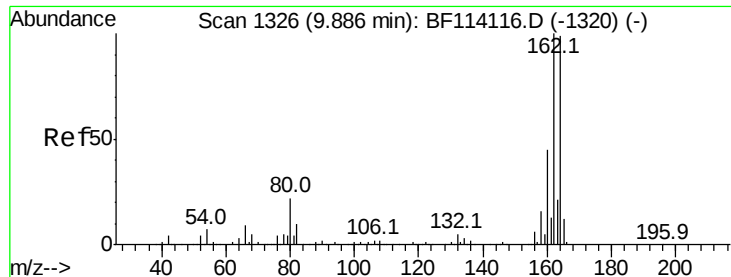


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

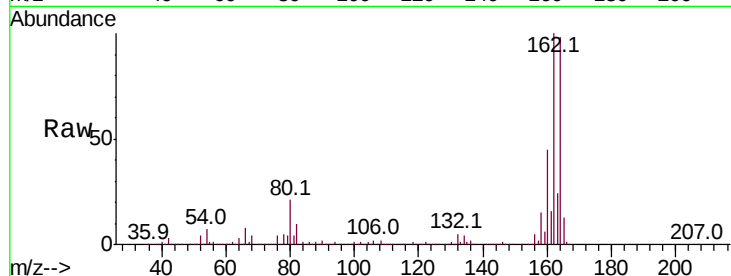




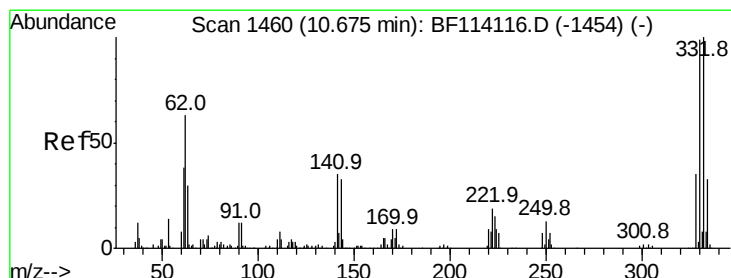
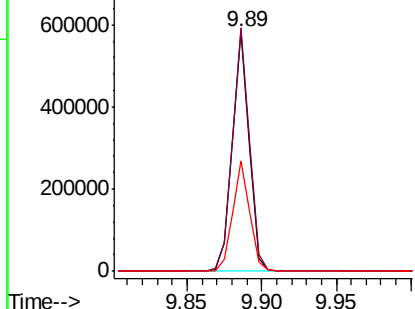
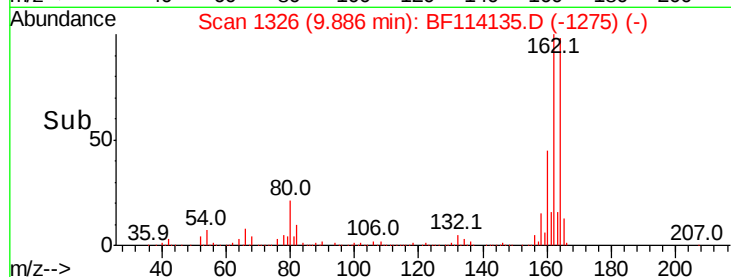
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0612-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	46.1	36.5	54.7

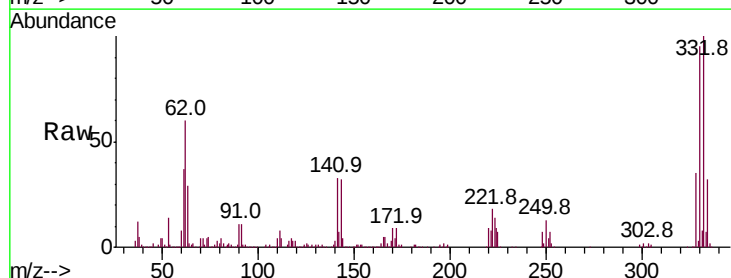


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

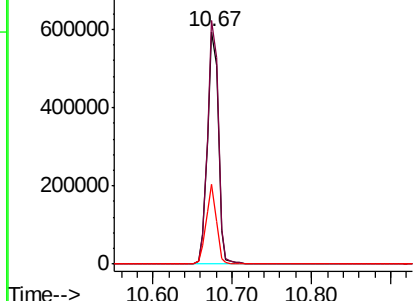
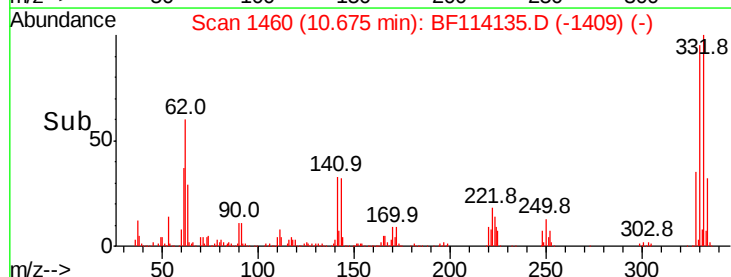


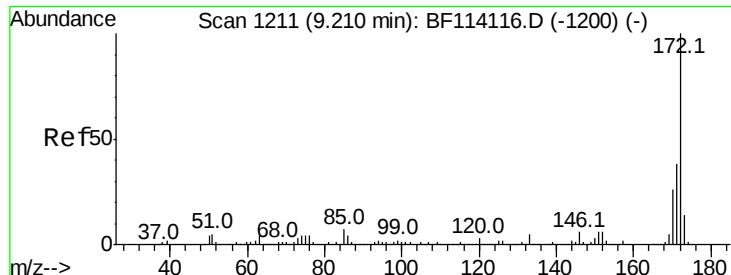
#42
 2,4,6-Tribromophenol
 Concen: 118.086 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.3	81.4	122.2
141	32.1	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

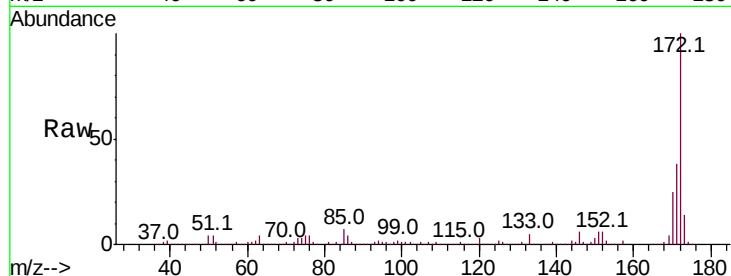




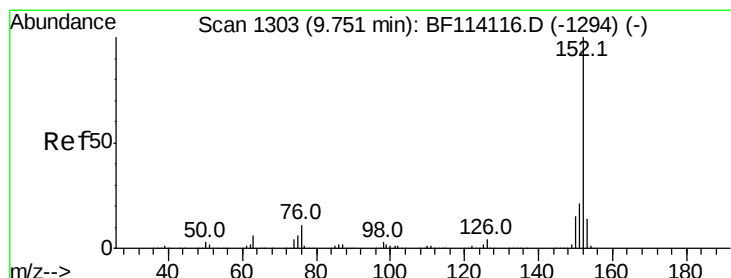
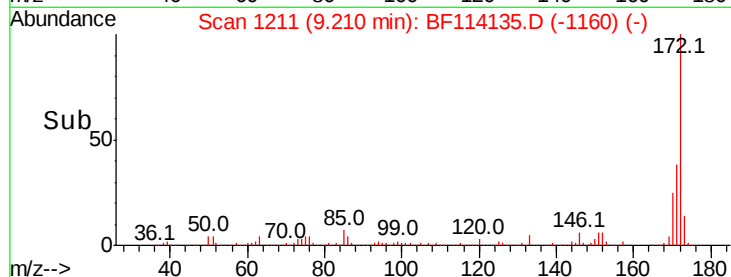
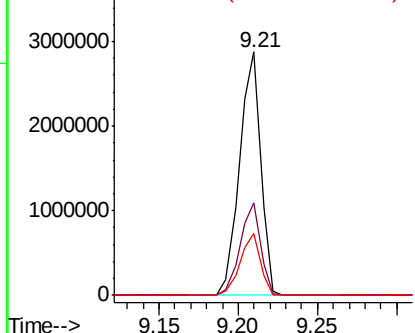
#45
2-Fluorobiphenyl
Concen: 85.506 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0612-01

Tot Ion:172 Resp: 2661550
Ion Ratio Lower Upper
172 100
171 37.8 30.7 46.1
170 25.3 20.5 30.7

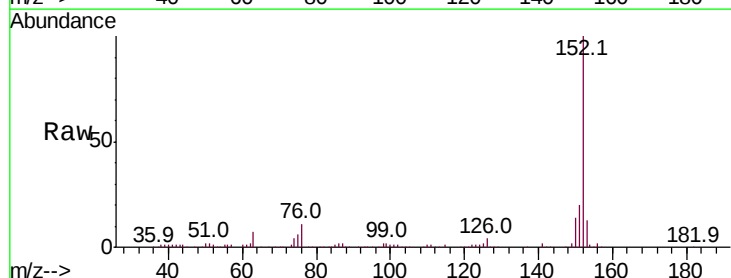


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

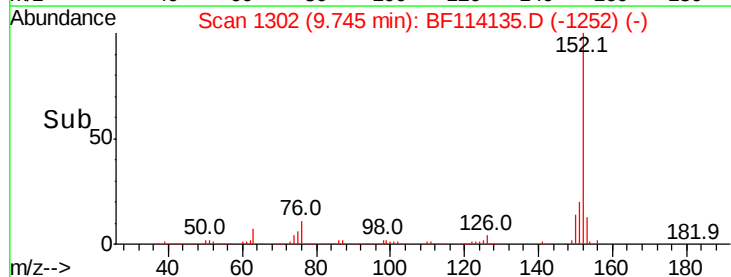
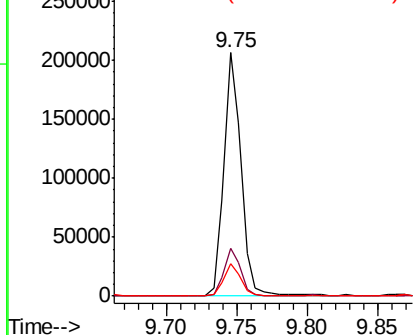


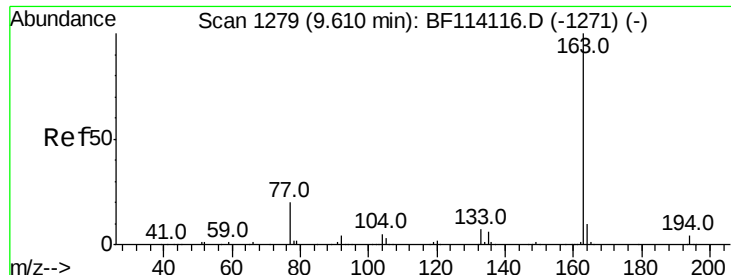
#49
Acenaphthylene
Concen: 3.748 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Tgt Ion:152 Resp: 174489
Ion Ratio Lower Upper
152 100
151 19.6 16.8 25.2
153 13.4 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

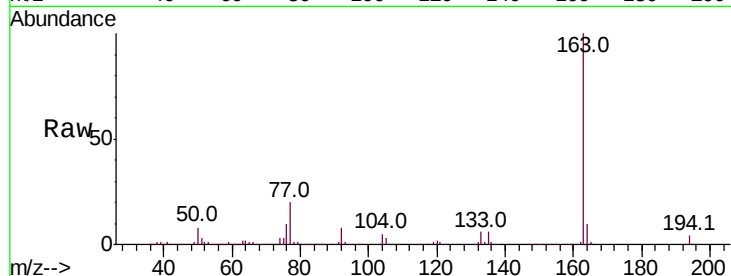




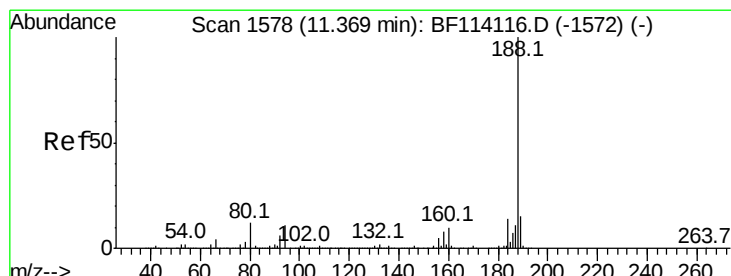
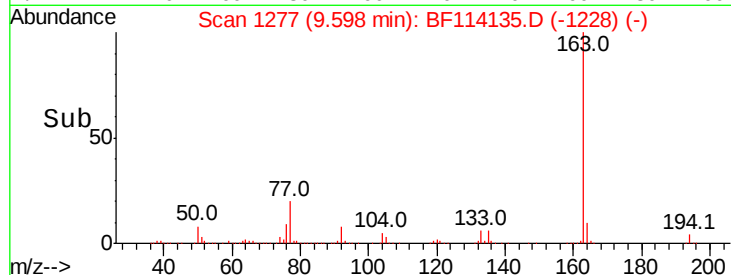
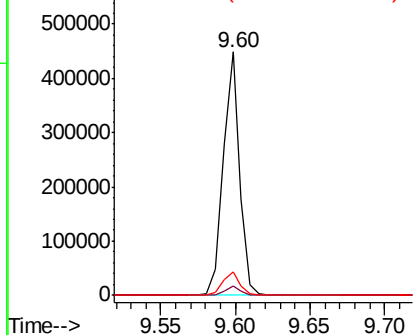
#50
Dimethylphthalate
Concen: 10.059 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0612-01

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	9.8	8.2	12.2

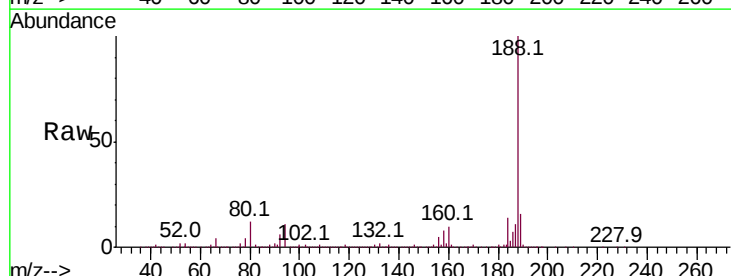


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

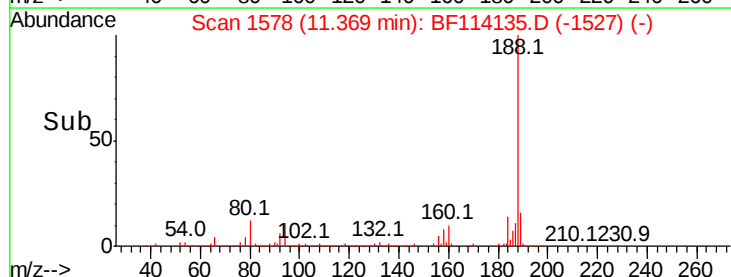
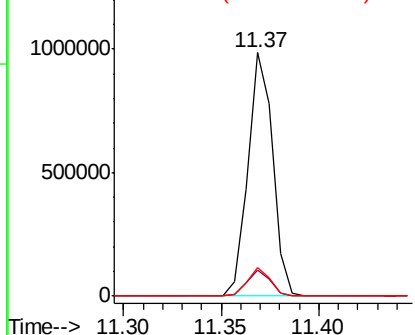


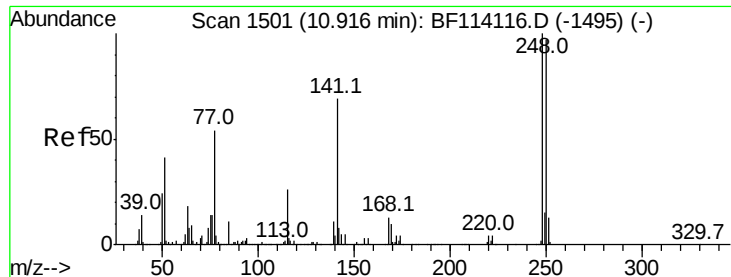
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.4	12.6
80	11.7	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

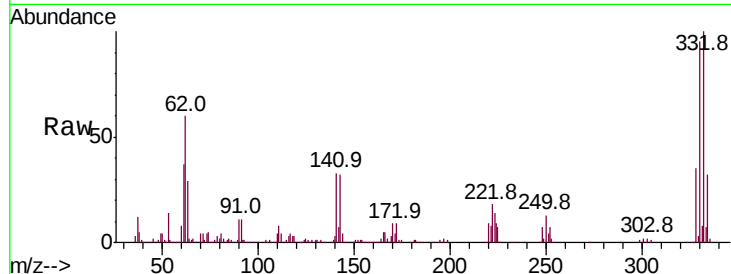




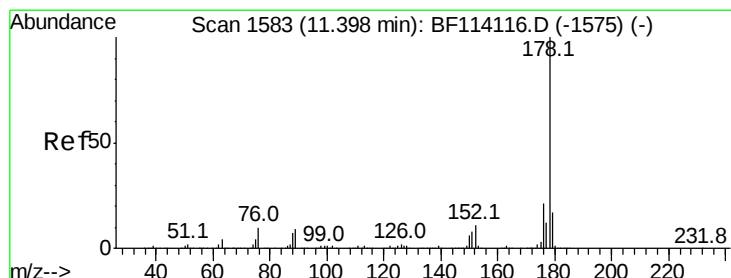
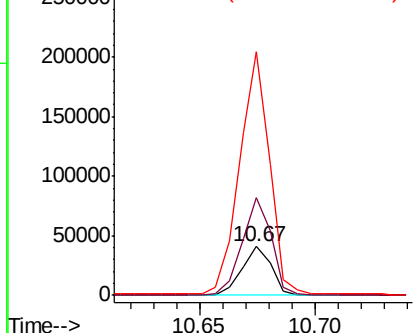
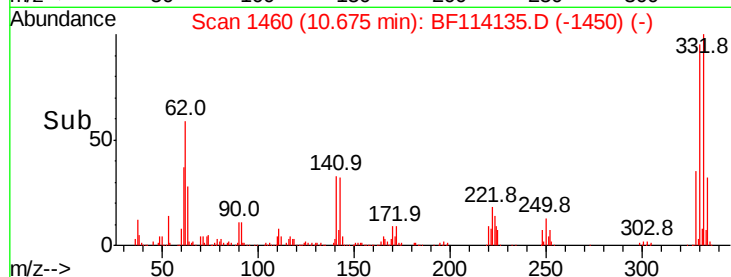
#67
 4-Bromophenyl-phenylether
 Concen: 3.837 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0612-01

Tot Ion:248 Resp: 36648
 Ion Ratio Lower Upper
 248 100
 250 198.9 77.4 116.2#
 141 496.9 55.6 83.4#

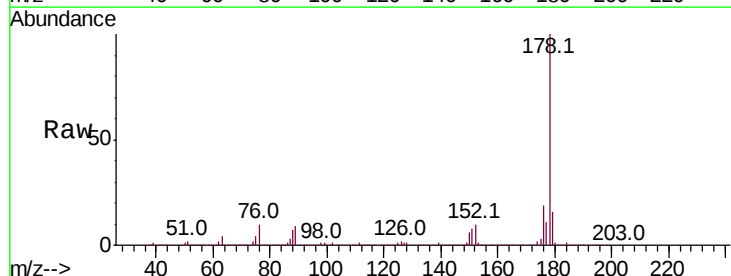


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

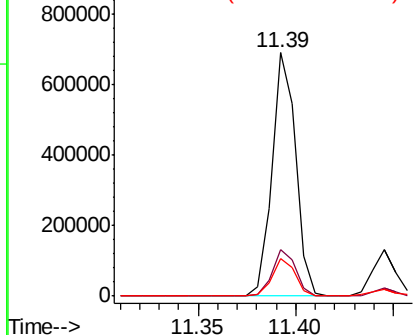
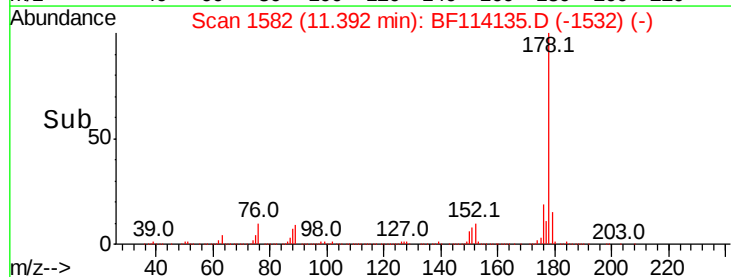


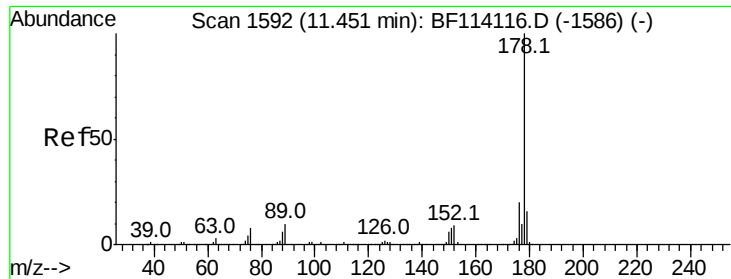
#71
 Phenanthrene
 Concen: 13.709 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Tgt Ion:178 Resp: 578623
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.4 24.6
 179 15.7 13.2 19.8



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





#72

Anthracene

Concen: 2.447 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0612-01

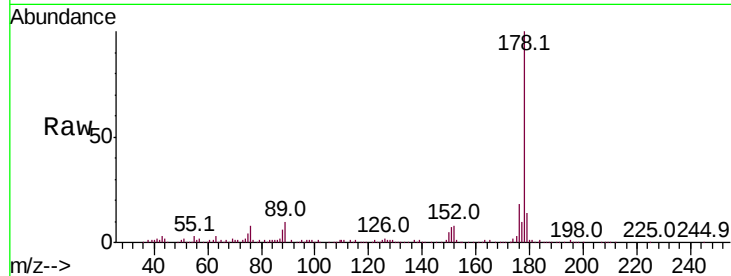
Tot Ion:178 Resp: 103743

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

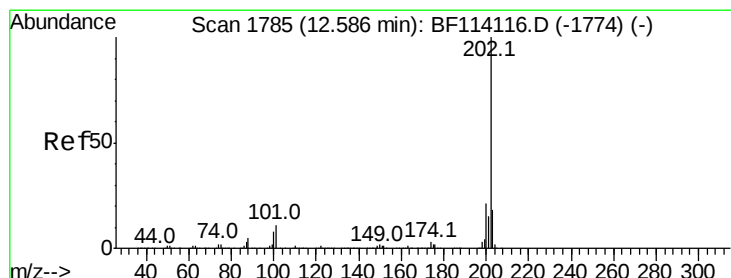
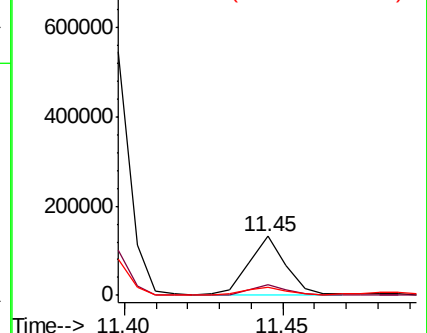
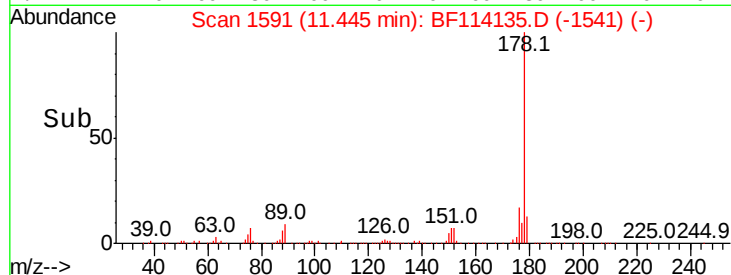
179 14.4 13.0 19.4



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: 20.696 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

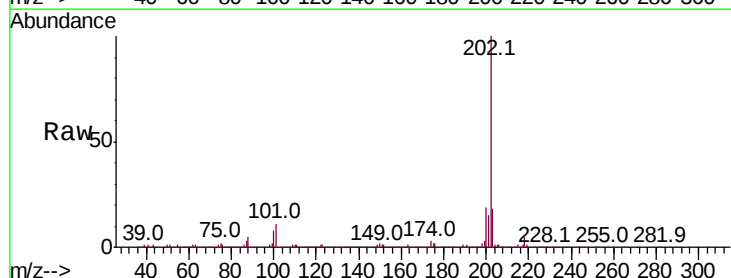
Tgt Ion:202 Resp: 940657

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.0

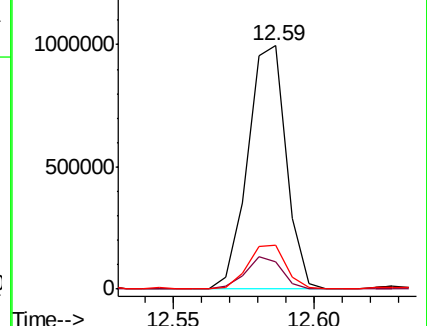
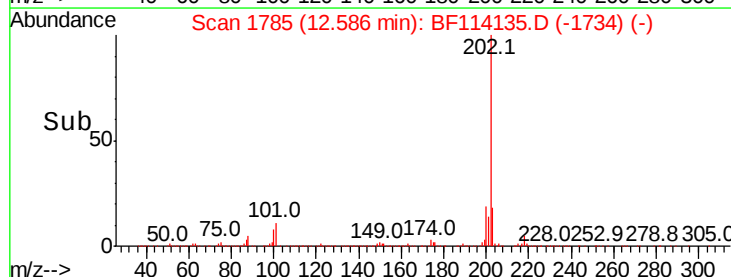
203 18.2 0.0 38.4

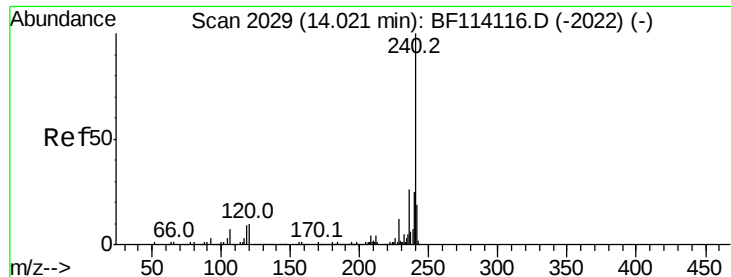


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

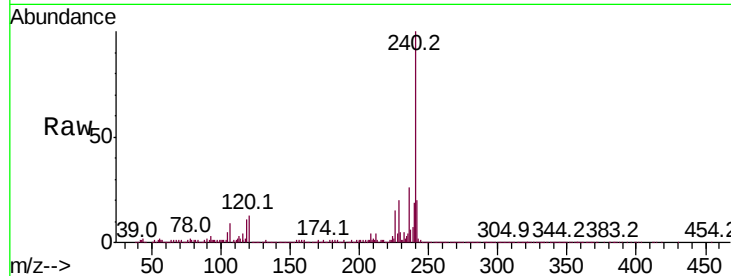




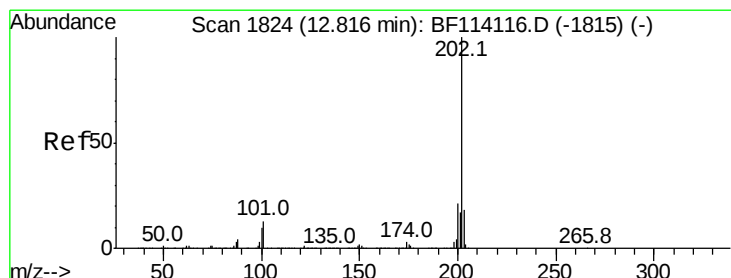
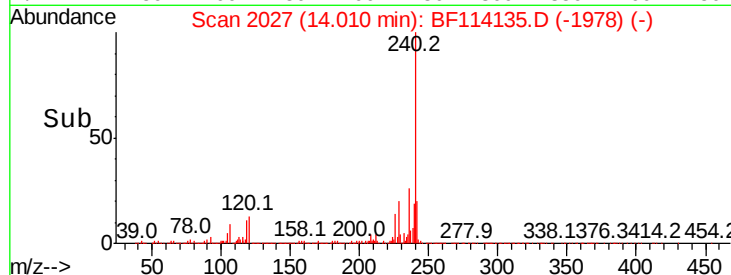
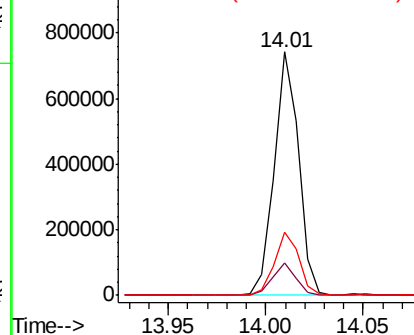
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Instrument :
BNA_F
ClientSampleId :
P026-SS002-0612-01

Tot Ion:240 Resp: 641877
Ion Ratio Lower Upper
240 100
120 13.2 8.3 12.5#
236 25.8 20.8 31.2

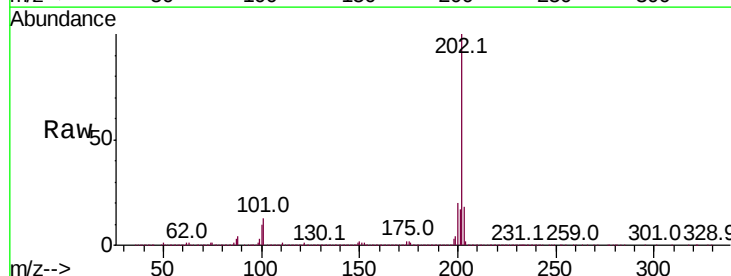


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

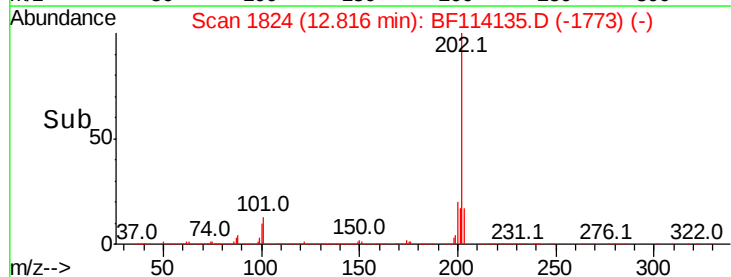
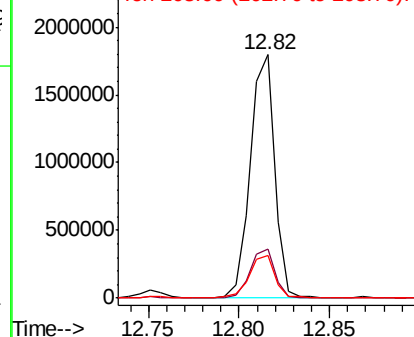


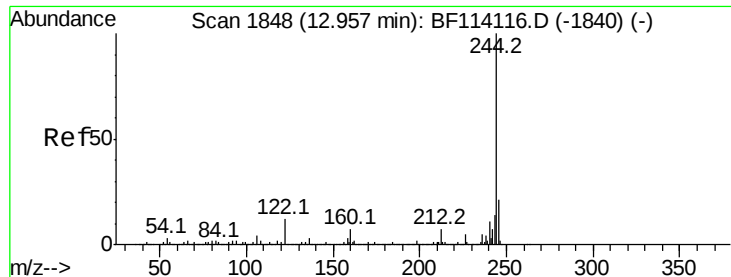
#78
Pyrene
Concen: 32.298 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Tgt Ion:202 Resp: 1667711
Ion Ratio Lower Upper
202 100
200 20.2 16.9 25.3
203 17.7 14.5 21.7



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: 77.089 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0612-01

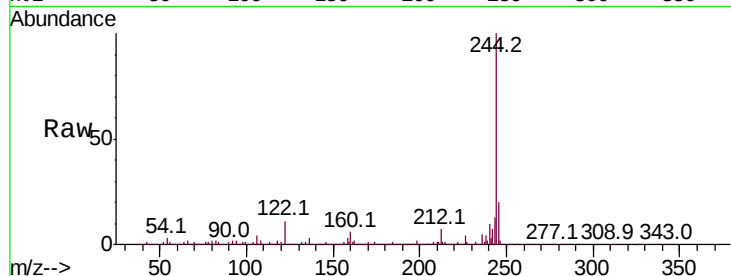
Tot Ion:244 Resp: 2400349

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

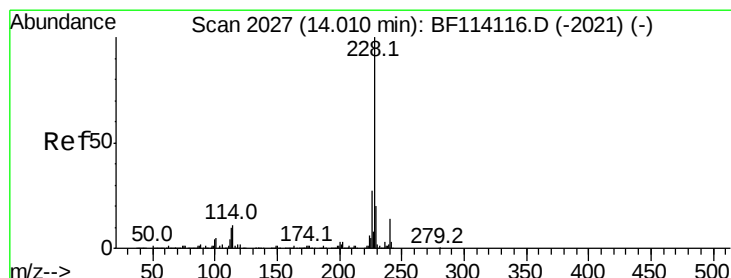
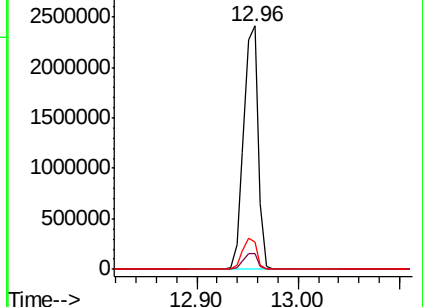
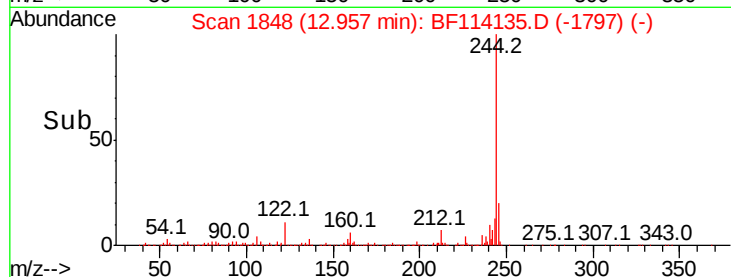
122 11.4 9.4 14.2



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: 14.952 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.03 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

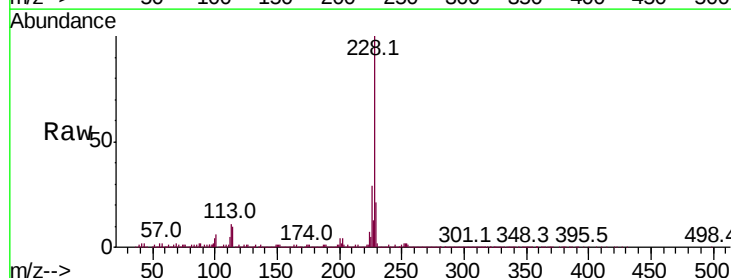
Tgt Ion:228 Resp: 620746

Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.2

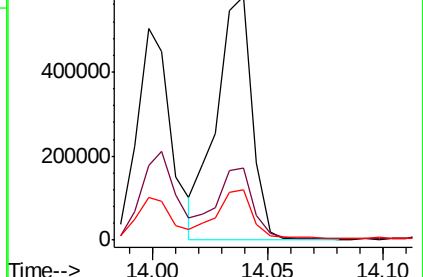
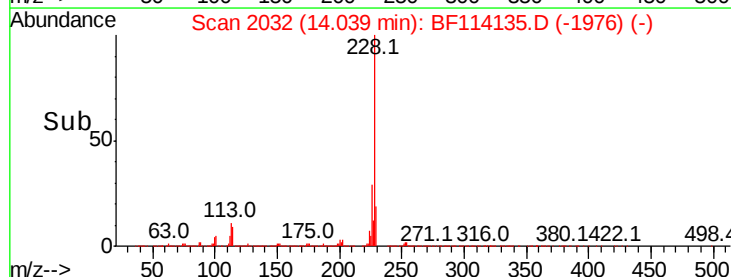
229 20.5 16.4 24.6

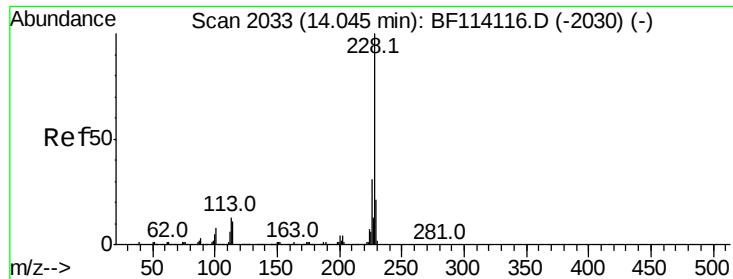


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 15.253 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

BNA_F

ClientSampleId :

P026-SS002-0612-01

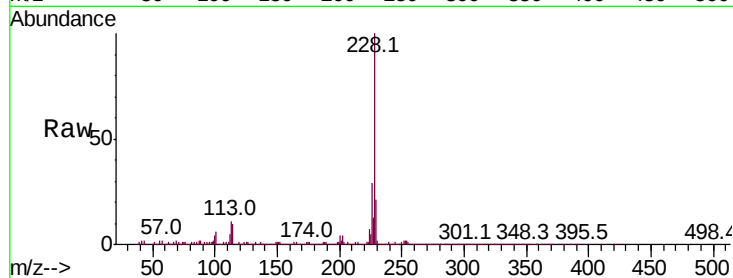
Tot Ion:228 Resp: 620746

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

229 20.5 17.0 25.6

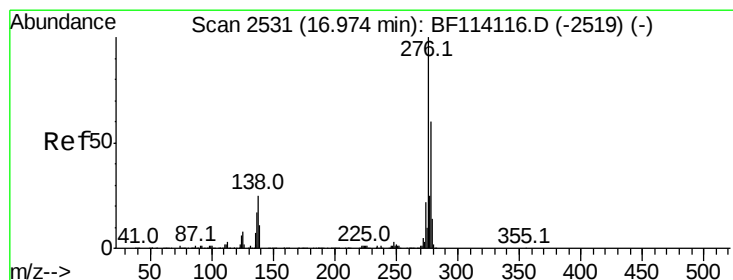
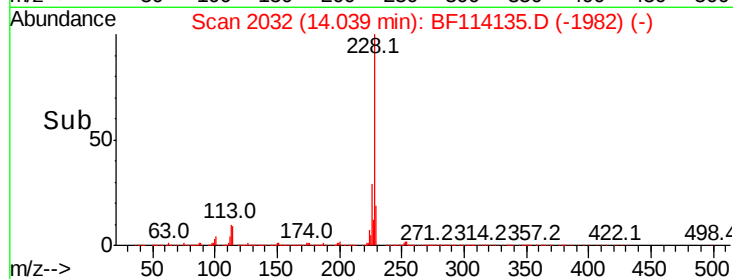
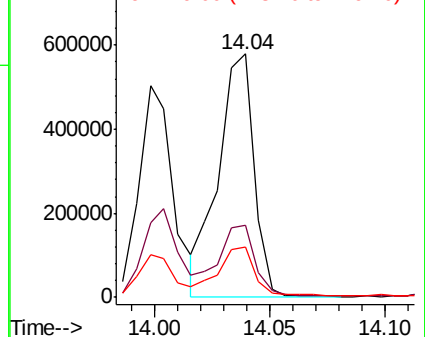


Abundance

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: 5.913 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.02 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

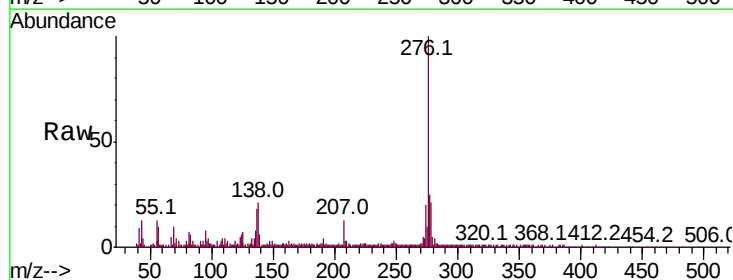
Tgt Ion:276 Resp: 212694

Ion Ratio Lower Upper

276 100

138 22.7 20.2 30.2

277 24.1 20.0 30.0

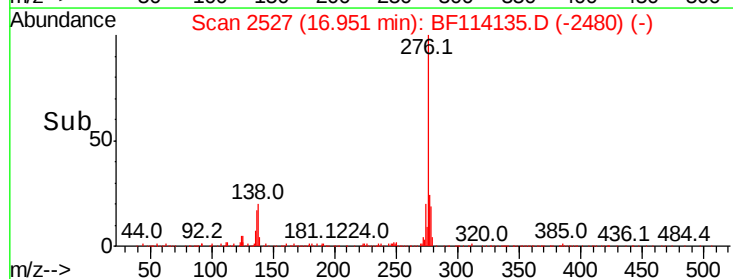
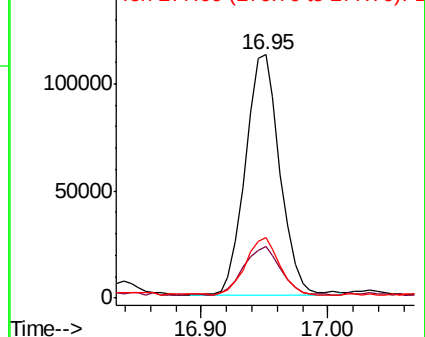


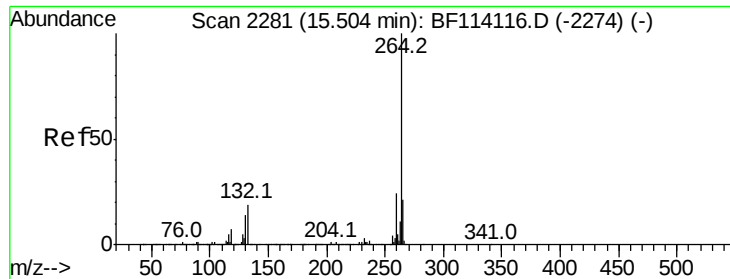
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Instrument :

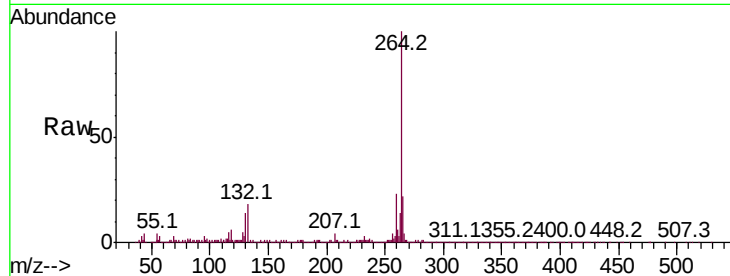
BNA_F

ClientSampleId :

P026-SS002-0612-01

Tot Ion:264 Resp: 553997

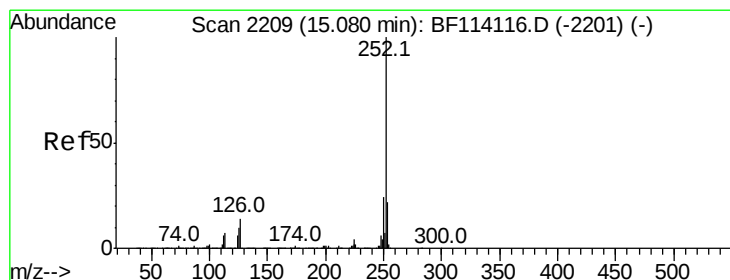
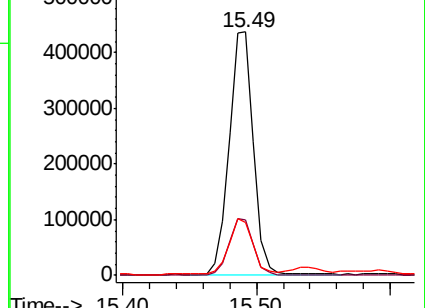
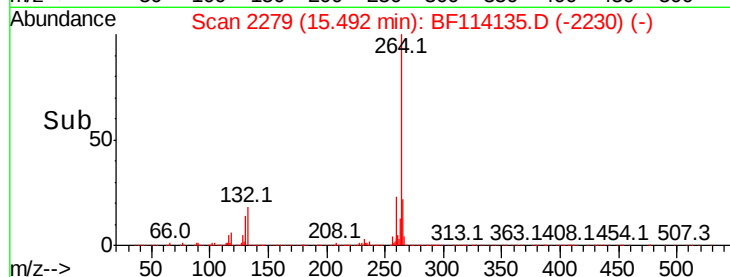
Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.4	29.0
265	22.0	16.9	25.3



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: 18.991 ng

RT: 15.06 min Scan# 2206

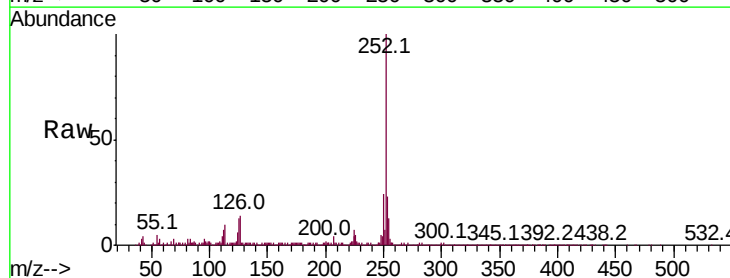
Delta R.T. -0.02 min

Lab File: BF114135.D

Acq: 10 May 2019 21:54

Tgt Ion:252 Resp: 674020

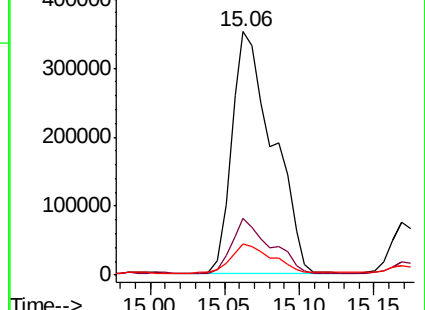
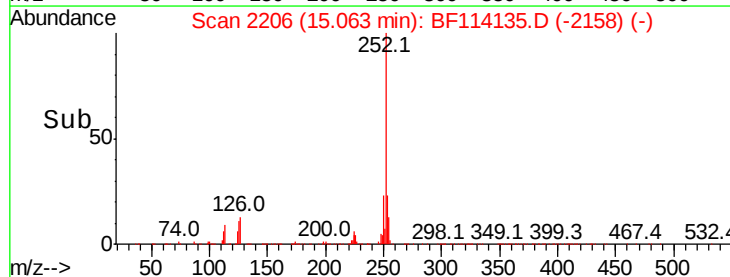
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.6	8.3	12.5#

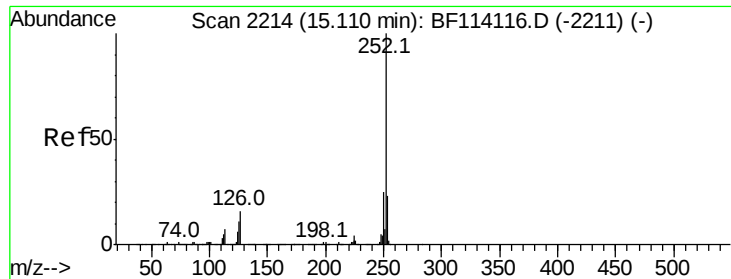


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

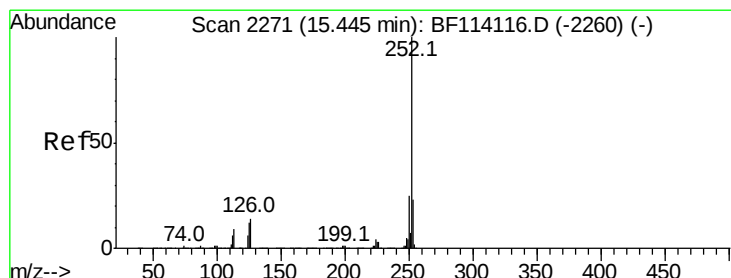
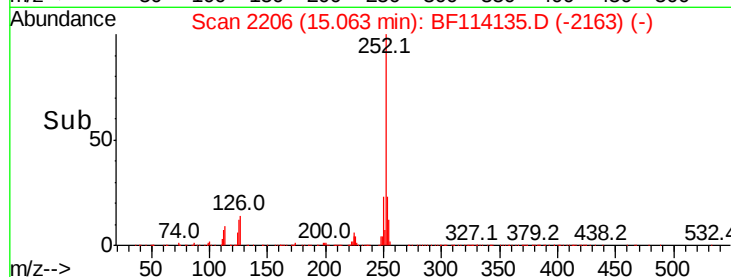
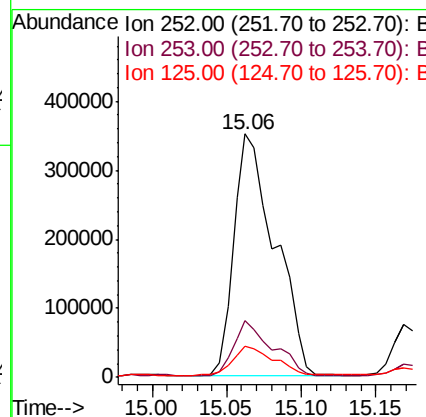
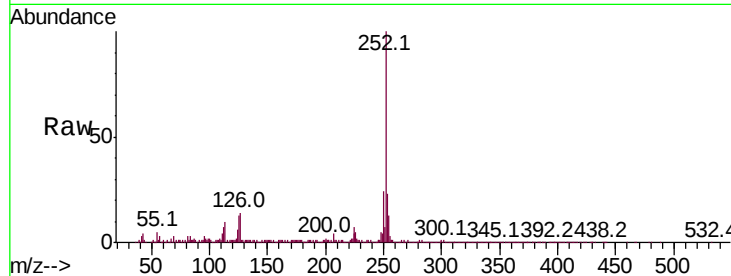




#89
Benzo(k)fluoranthene
Concen: 20.673 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

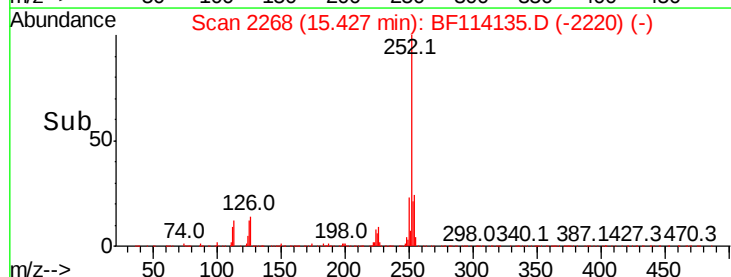
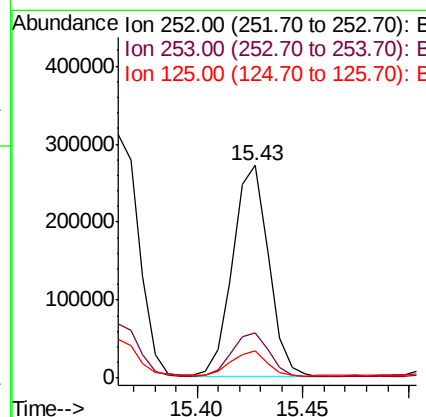
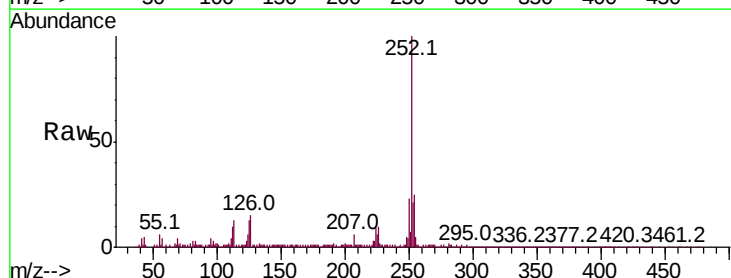
Instrument :
BNA_F
ClientSampleId :
P026-SS002-0612-01

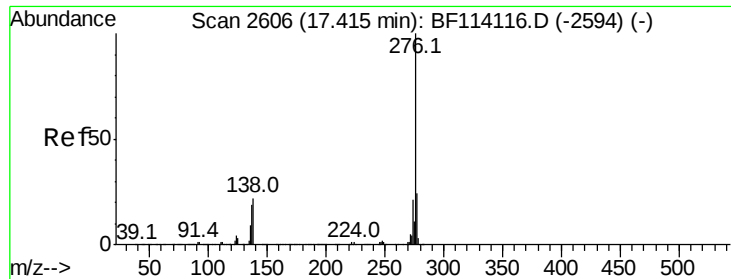
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	12.6	8.6	13.0



#90
Benzo(a)pyrene
Concen: 10.188 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF114135.D
Acq: 10 May 2019 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.1	27.1
125	12.8	9.5	14.3





#92
 Benzo(a,h,i)perylene
 Concen: 9.347 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.02 min
 Lab File: BF114135.D
 Acq: 10 May 2019 21:54

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-0612-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.0	28.4
138	22.7	17.8	26.6

