

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
 Data File : BF114229.D
 Acq On : 13 May 2019 15:24
 Operator : JU/SJ
 Sample : K2764-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-1218-01

Quant Time: May 14 04:45:14 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	6.86	152	302664	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1119914	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	530001	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	987488	20.00	ng	0.00
76) Chrysene-d12	14.02	240	585757	20.00	ng	0.00
87) Perylene-d12	15.51	264	668719	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	2144343	114.01	ng	0.02
7) Phenol-d6	6.51	99	2876975	129.33	ng	0.02
23) Nitrobenzene-d5	7.42	82	1811329	90.77	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	637222	116.30	ng	0.01
45) 2-Fluorobiphenyl	9.21	172	2468002	70.44	ng	0.00
79) Terphenyl-d14	12.96	244	1977628	69.60	ng	0.00

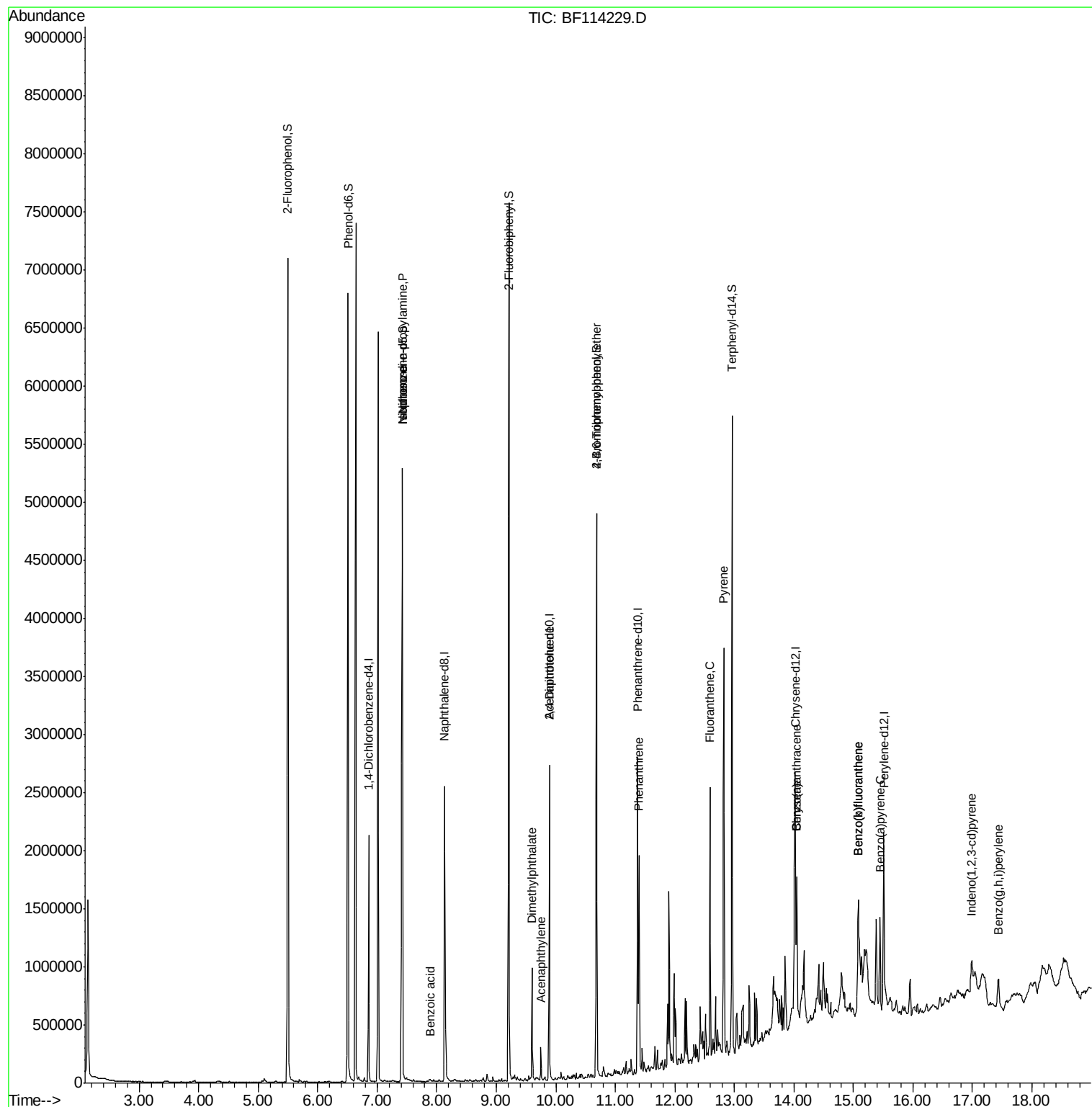
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	243557	17.274	ng	# 75
25) Isophorone	7.42	82	1811318	48.942	ng	# 64
32) Benzoic acid	7.90	122	1421	7.131	ng	# 86
49) Acenaphthylene	9.75	152	118499	2.261	ng	98
50) Dimethylphthalate	9.60	163	387806	9.968	ng	99
57) 2,4-Dinitrotoluene	9.89	165	68339	5.835	ng	# 25
67) 4-Bromophenyl-phenylether	10.69	248	39336	3.618	ng	# 1
71) Phenanthrene	11.40	178	660902	13.757	ng	97
75) Fluoranthene	12.59	202	846568	16.363	ng	98
78) Pyrene	12.82	202	1389932	29.497	ng	99
81) Benzo(a)anthracene	14.04	228	485308	12.810	ng	98
83) Chrysene	14.04	228	485308	13.067	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	164081	4.999	ng	96
88) Benzo(b)fluoranthene	15.08	252	607454	14.179	ng	# 97
89) Benzo(k)fluoranthene	15.08	252	607454	15.435	ng	# 97
90) Benzo(a)pyrene	15.44	252	329196	8.731	ng	97
92) Benzo(g,h,i)perylene	17.44	276	212831	6.778	ng	97

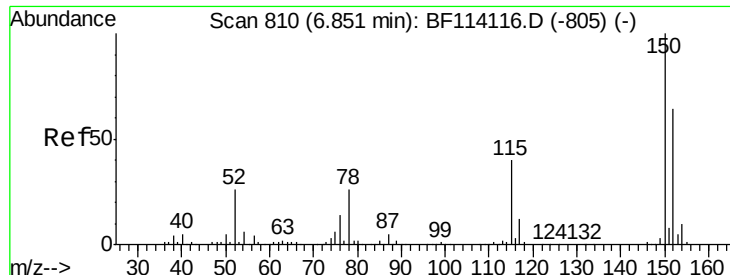
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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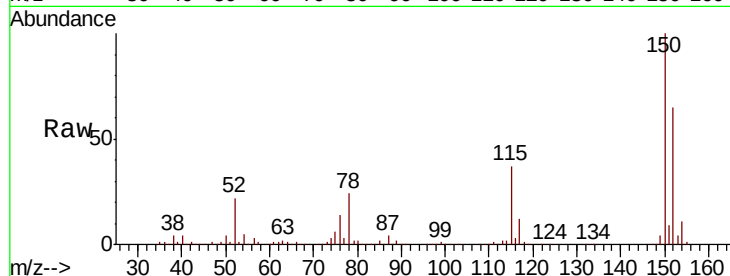


#1

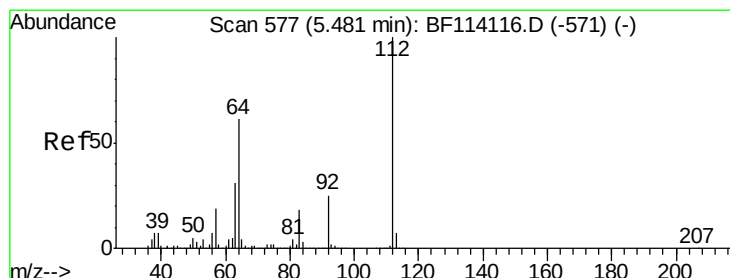
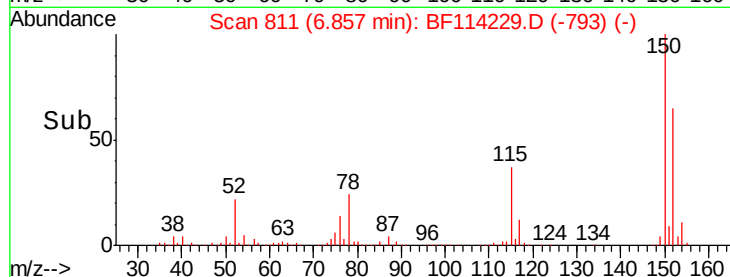
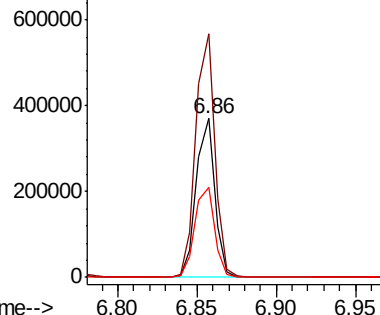
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

Tgt Ion:152 Resp: 302664
Ion Ratio Lower Upper
152 100
150 153.1 124.3 186.5
115 56.4 49.1 73.7



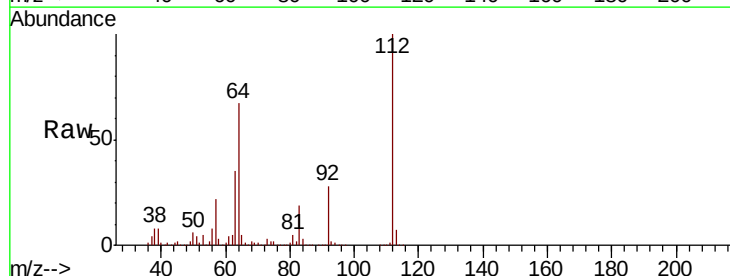
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



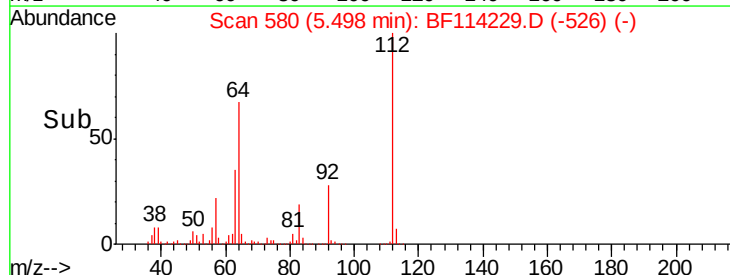
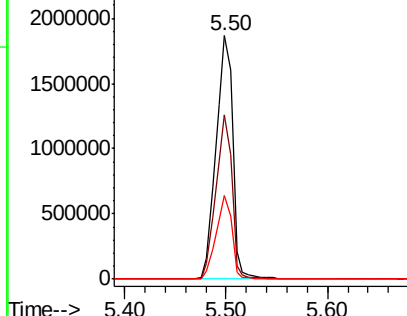
#5

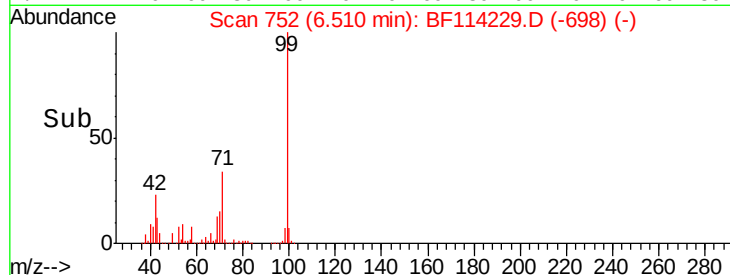
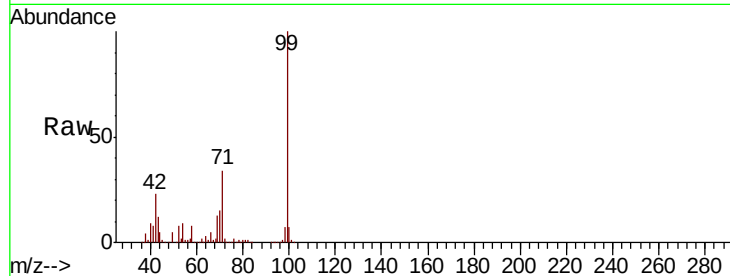
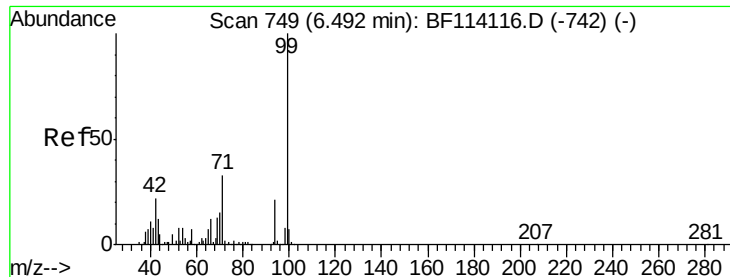
2-Fluorophenol
Concen: 114.014 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.02 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion:112 Resp: 2144343
Ion Ratio Lower Upper
112 100
64 67.5 49.0 73.6
63 34.5 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: 129.335 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.02 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

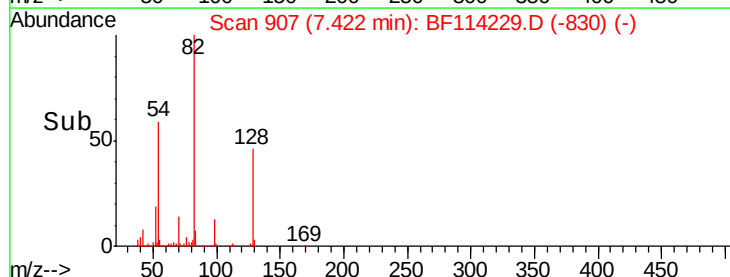
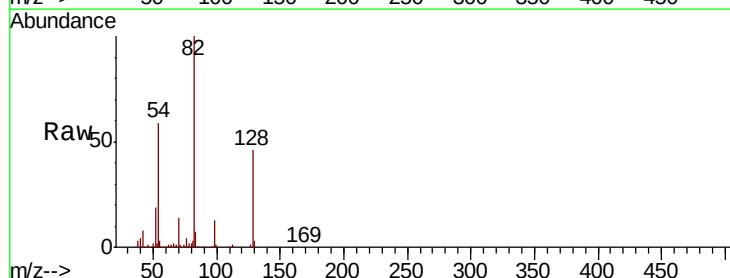
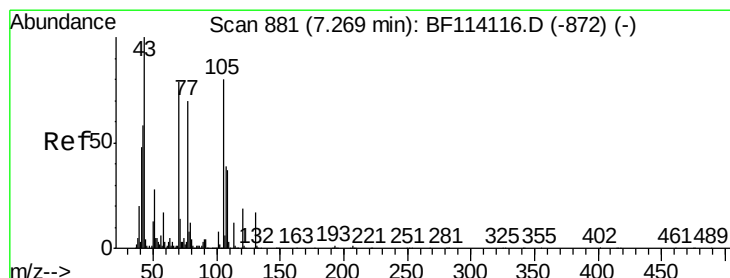
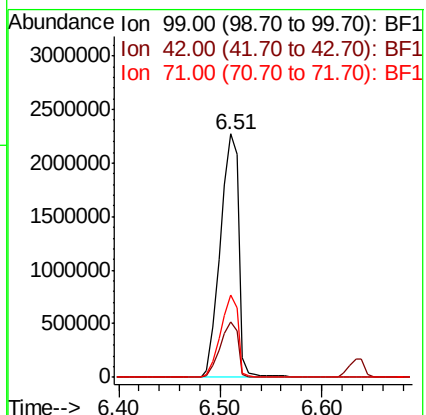
Tgt Ion: 99 Resp: 2876975

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

71 33.8 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.274 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Tgt Ion: 70 Resp: 243557

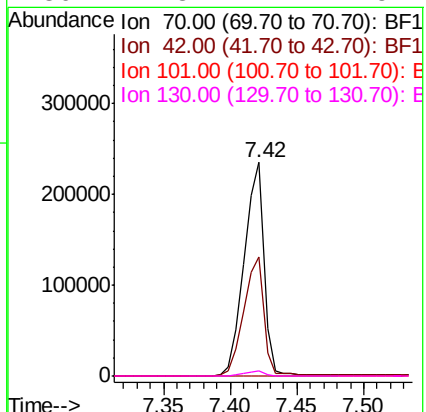
Ion Ratio Lower Upper

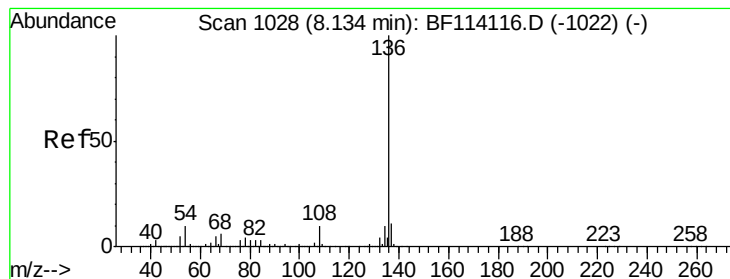
70 100

42 56.0 58.6 87.8#

101 0.0 7.8 11.8#

130 2.3 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

Tgt Ion:136 Resp: 1119914

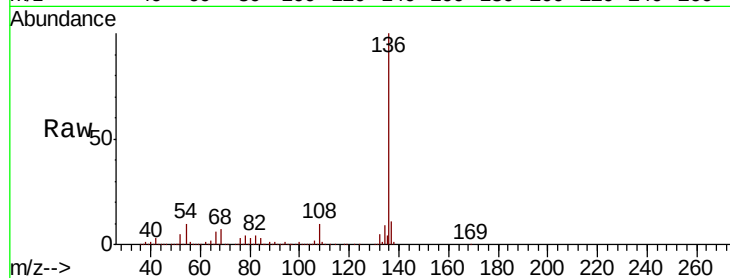
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 10.0 7.8 11.8

68 6.9 5.1 7.7

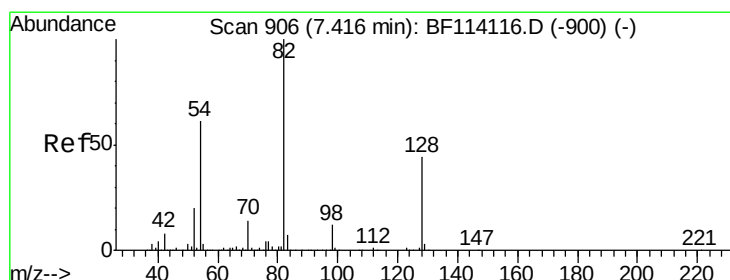
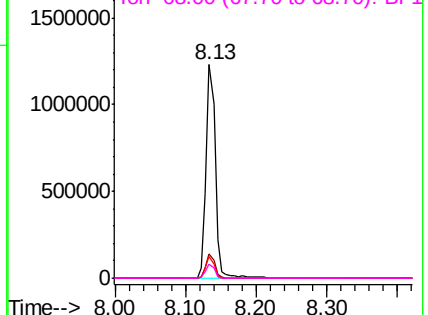
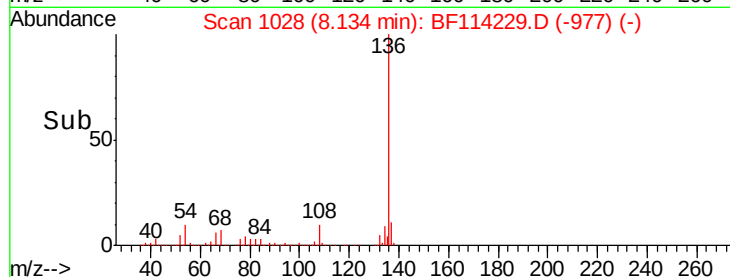


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.768 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

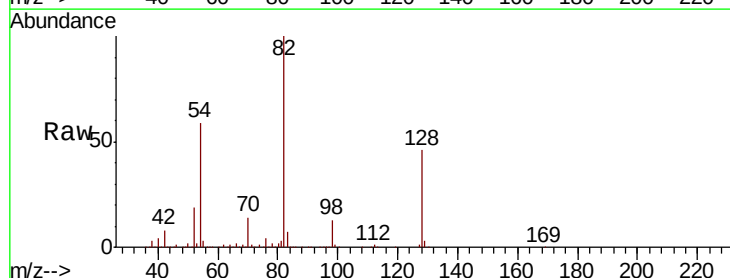
Tgt Ion: 82 Resp: 1811329

Ion Ratio Lower Upper

82 100

128 46.2 35.5 53.3

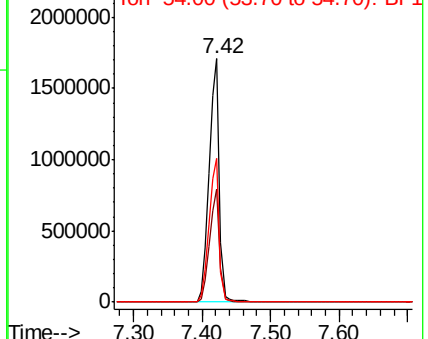
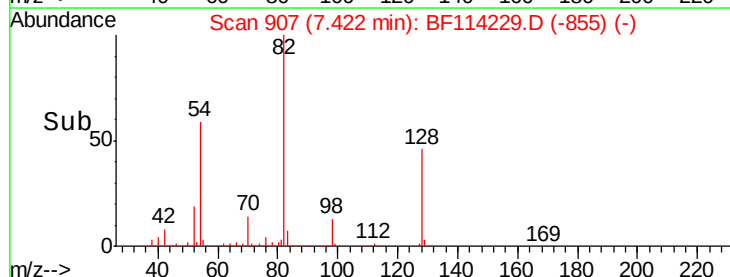
54 59.2 48.5 72.7

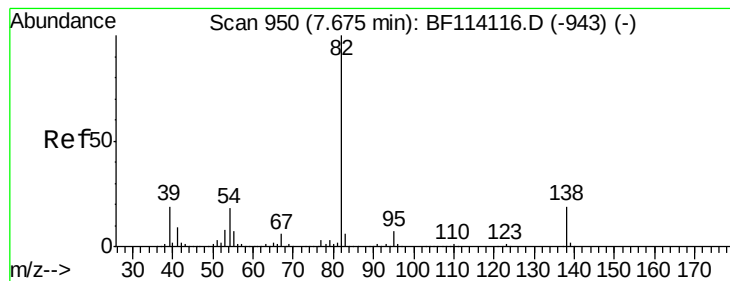


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 48.942 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

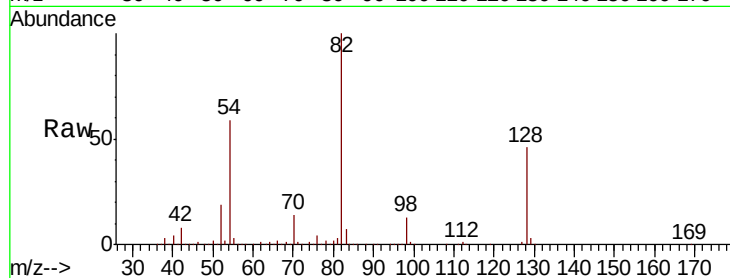
Tgt Ion: 82 Resp: 1811318

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

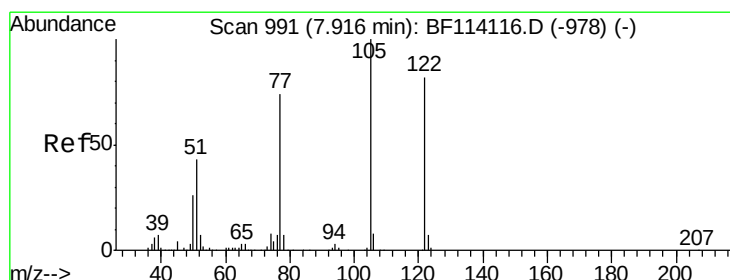
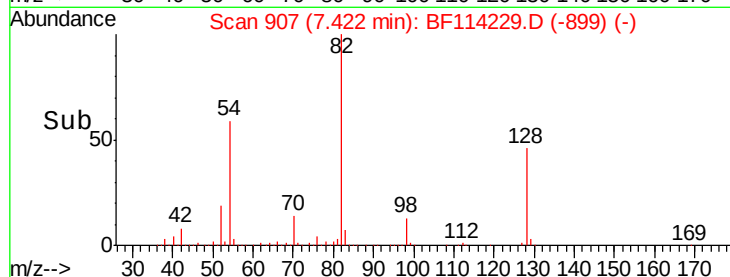
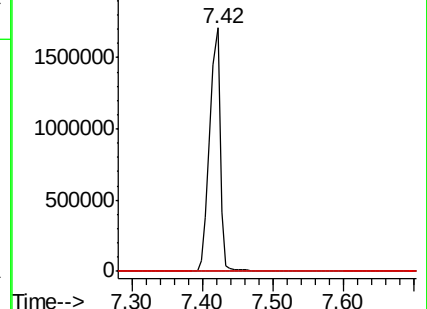
138 0.0 14.8 22.2#



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: 7.131 ng

RT: 7.90 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

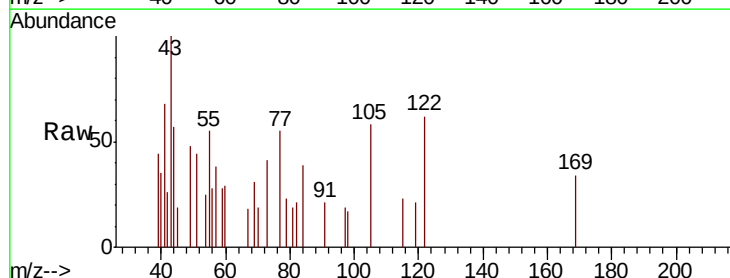
Tgt Ion: 122 Resp: 1421

Ion Ratio Lower Upper

122 100

105 93.8 99.9 139.9#

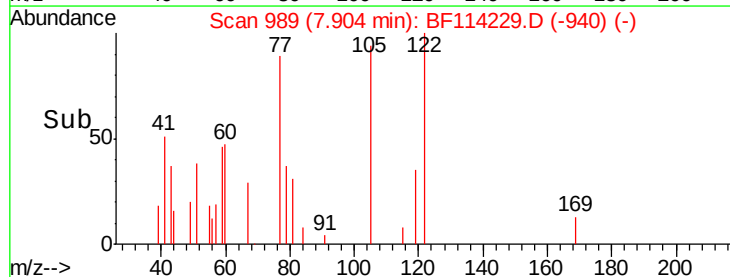
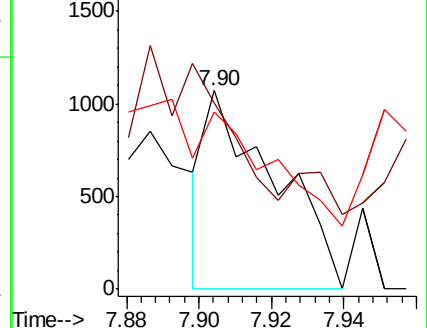
77 89.0 69.4 109.4

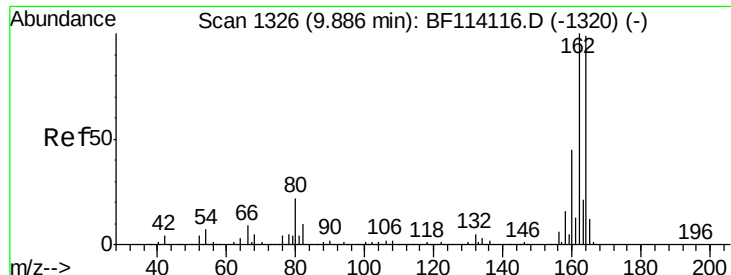


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

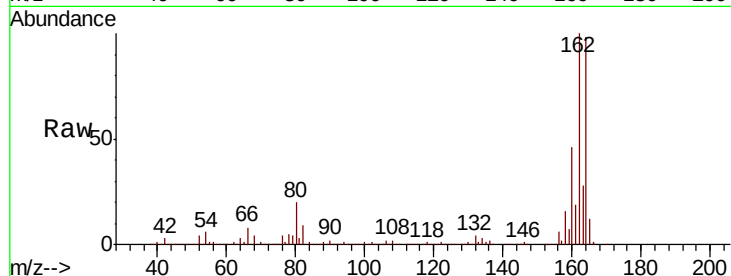




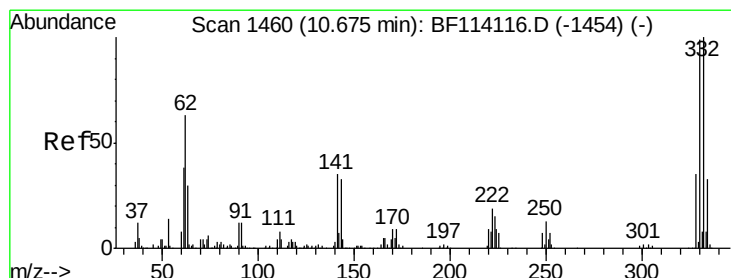
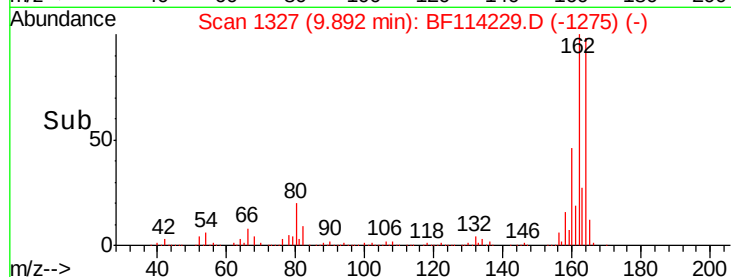
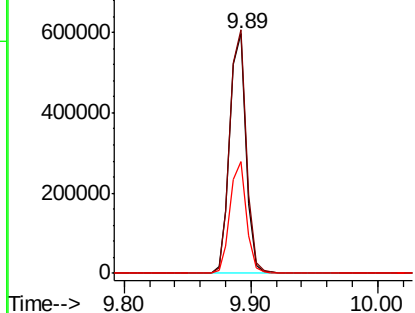
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF114229.D
 Acq: 13 May 2019 15:24

Instrument :
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 P026-SS002-1218-01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	46.4	36.5	54.7

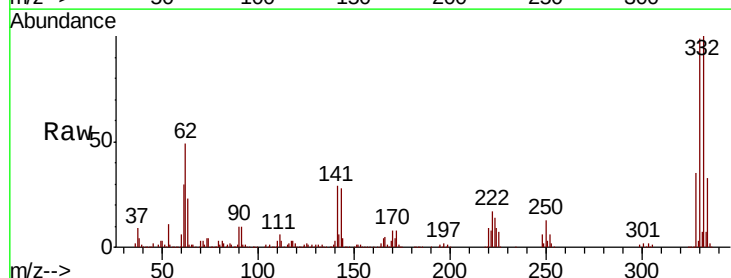


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

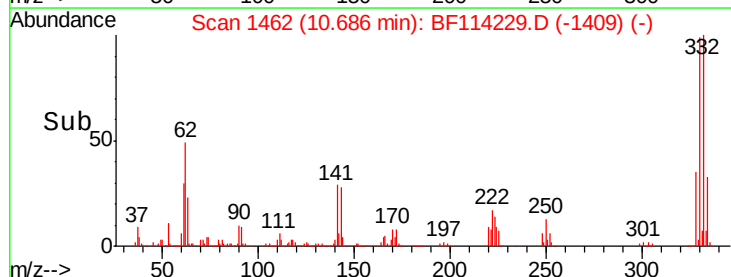
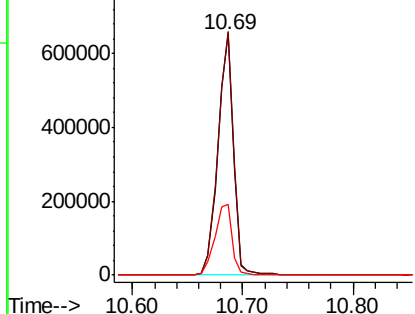


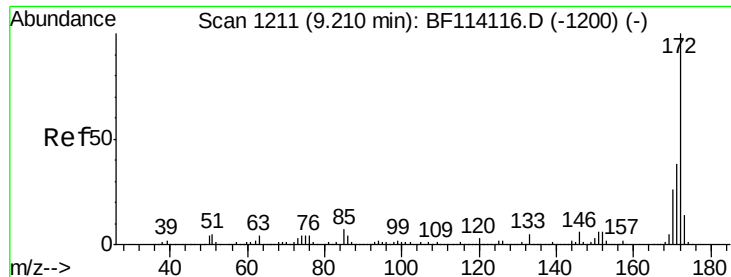
#42
 2,4,6-Tribromophenol
 Concen: 116.296 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF114229.D
 Acq: 13 May 2019 15:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.5	81.4	122.2
141	31.9	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

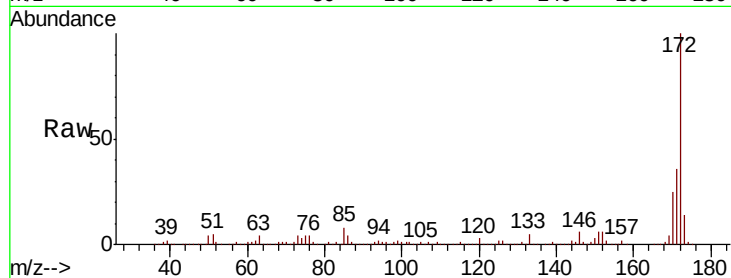




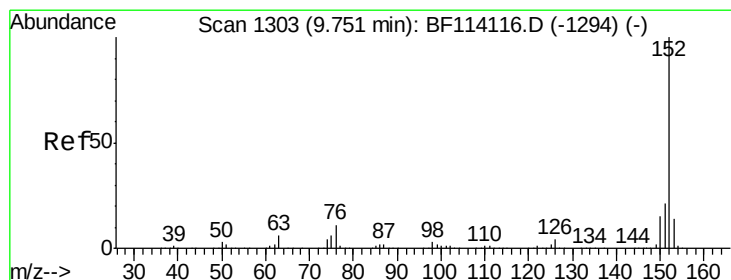
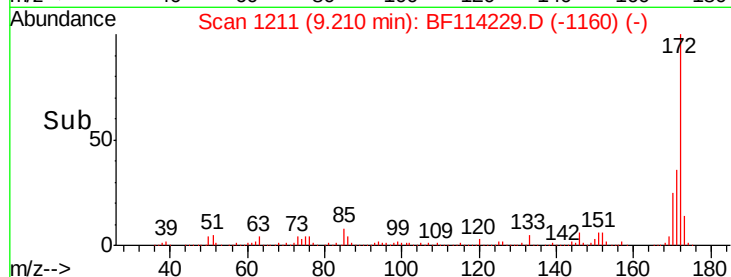
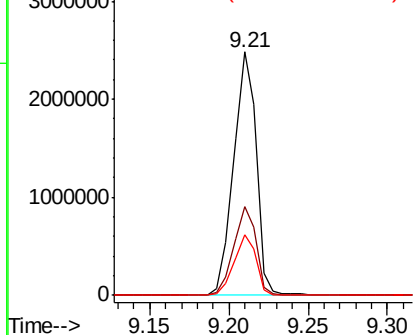
#45
2-Fluorobiphenyl
Concen: 70.439 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

Tgt Ion:172 Resp: 2468002
Ion Ratio Lower Upper
172 100
171 36.4 30.7 46.1
170 24.7 20.5 30.7

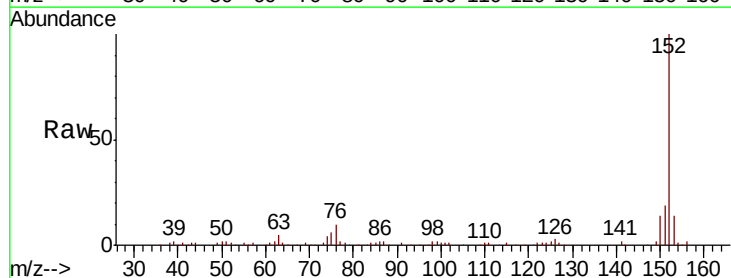


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

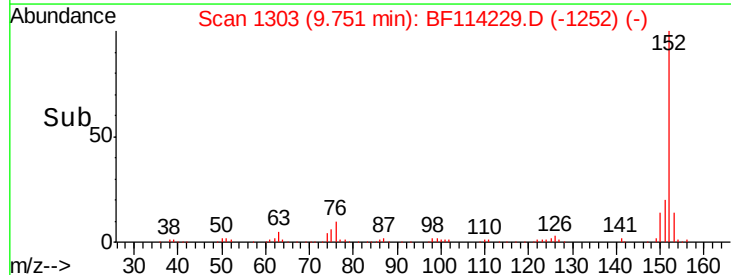
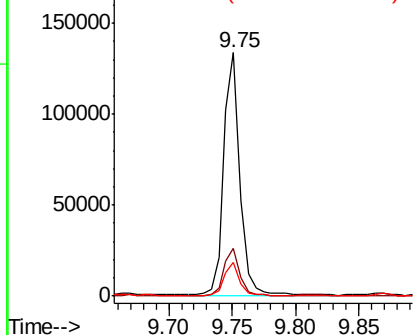


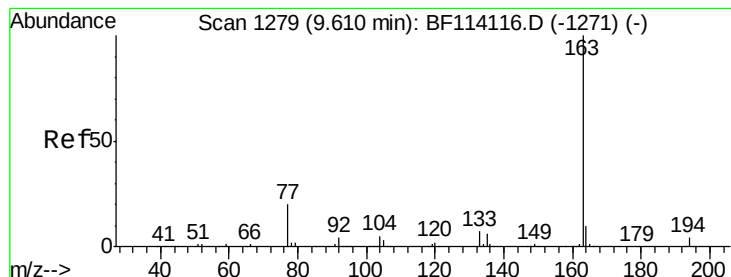
#49
Acenaphthylene
Concen: 2.261 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion:152 Resp: 118499
Ion Ratio Lower Upper
152 100
151 19.4 16.8 25.2
153 13.8 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: 9.968 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

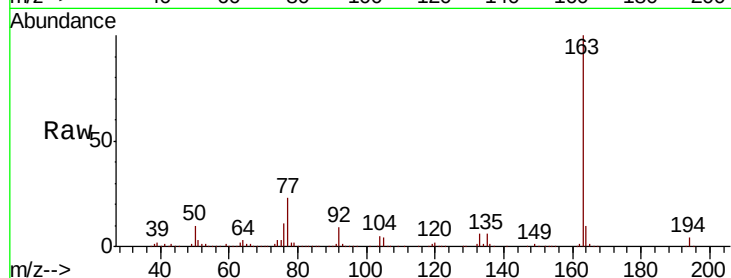
Tgt Ion:163 Resp: 387806

Ion Ratio Lower Upper

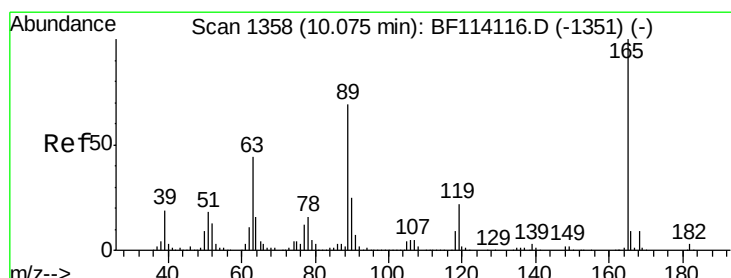
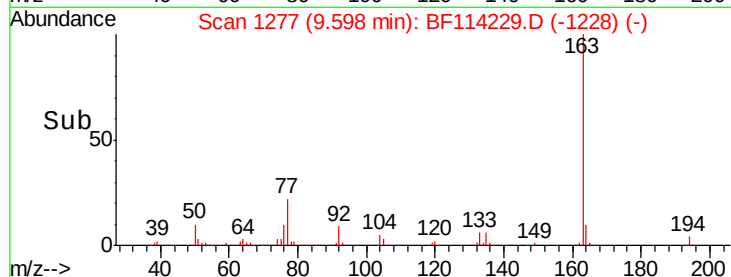
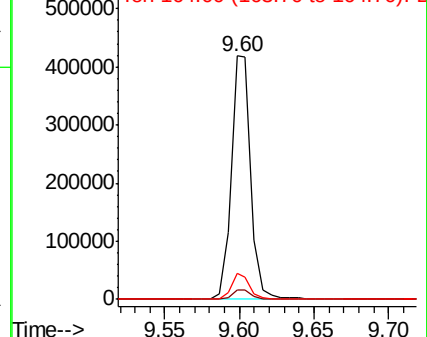
163 100

194 3.9 3.4 5.0

164 10.5 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



#57

2,4-Dinitrotoluene

Concen: 5.835 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.18 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Tgt Ion:165 Resp: 68339

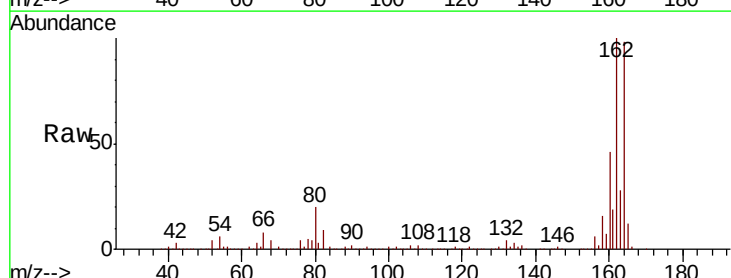
Ion Ratio Lower Upper

165 100

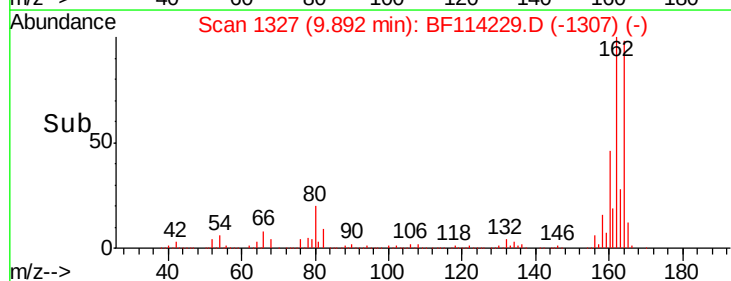
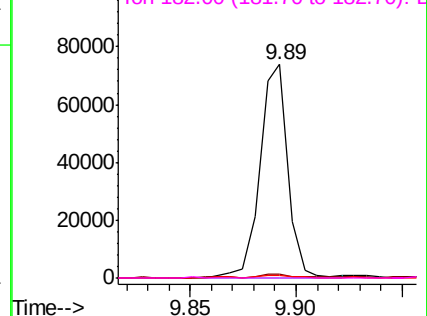
63 1.6 35.5 53.3#

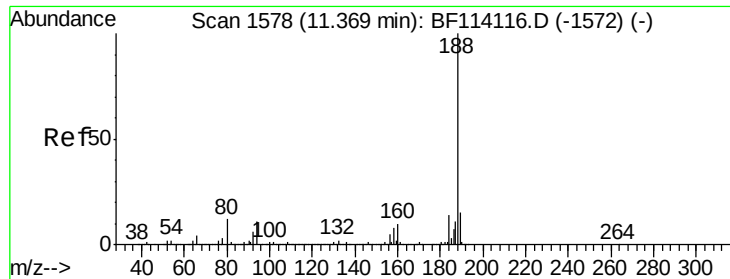
89 1.5 55.2 82.8#

182 0.0 2.2 3.2#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

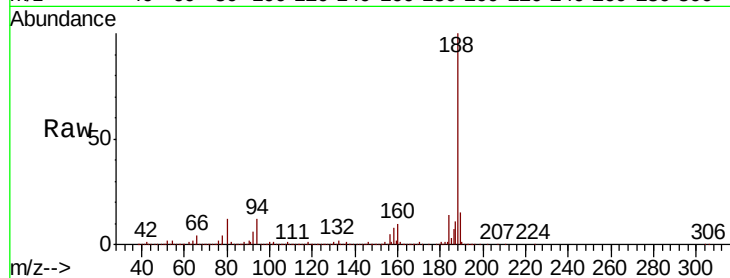
Tgt Ion:188 Resp: 987488

Ion Ratio Lower Upper

188 100

94 11.6 8.4 12.6

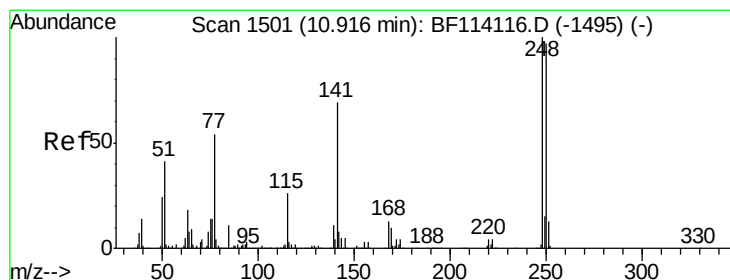
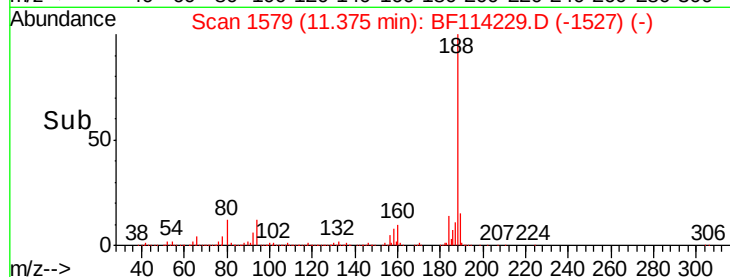
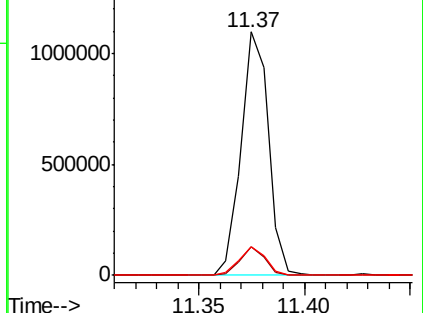
80 11.9 9.2 13.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.618 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.23 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

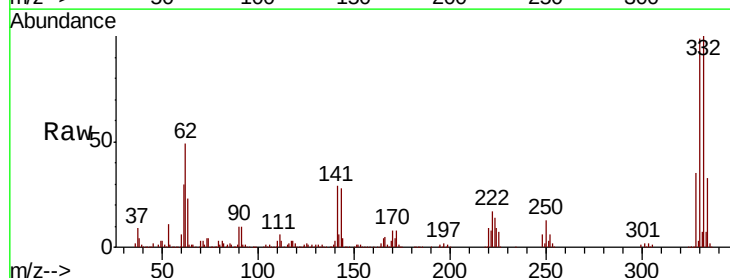
Tgt Ion:248 Resp: 39336

Ion Ratio Lower Upper

248 100

250 207.5 77.4 116.2#

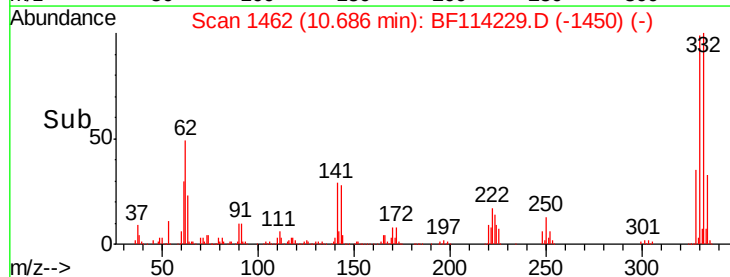
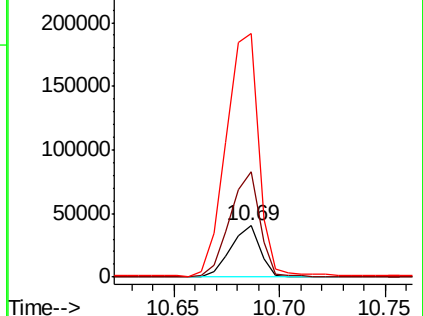
141 477.1 55.6 83.4#

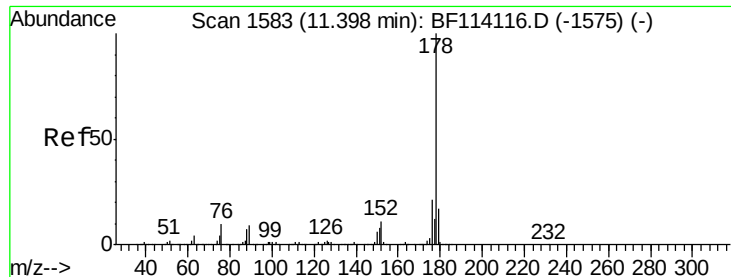


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 13.757 ng

RT: 11.40 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

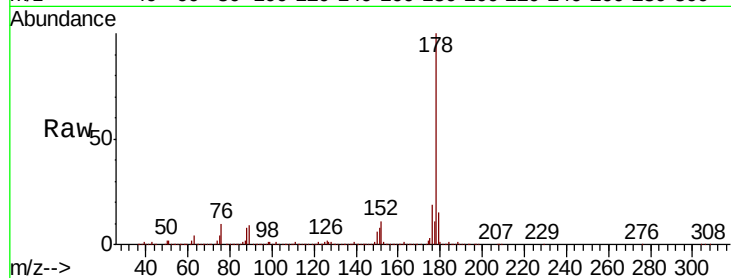
Tgt Ion:178 Resp: 660902

Ion Ratio Lower Upper

178 100

176 18.6 16.4 24.6

179 15.4 13.2 19.8

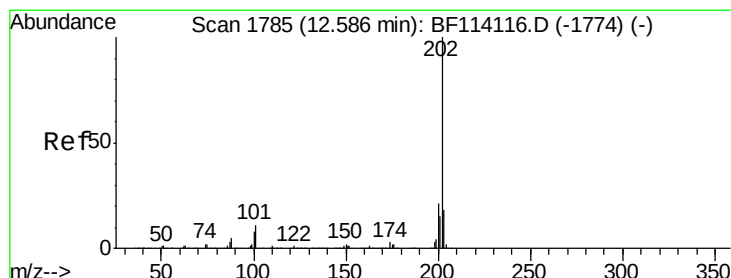
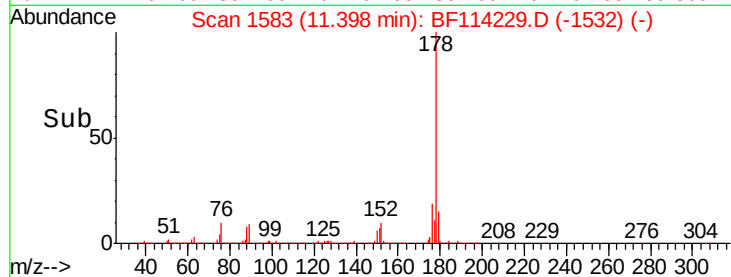
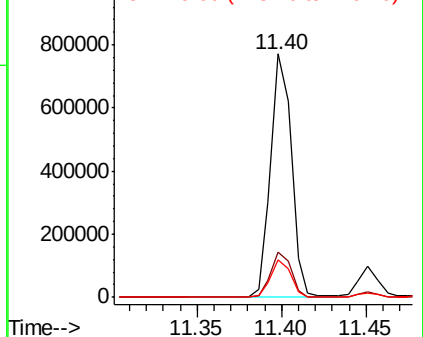


Abundance

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



#75

Fluoranthene

Concen: 16.363 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

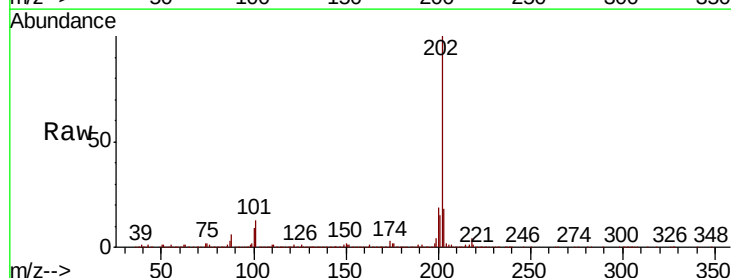
Tgt Ion:202 Resp: 846568

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.0

203 17.8 0.0 38.4

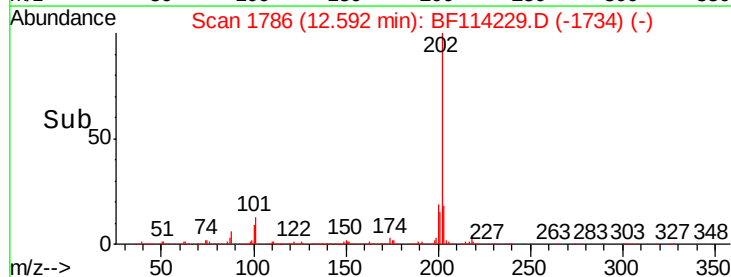
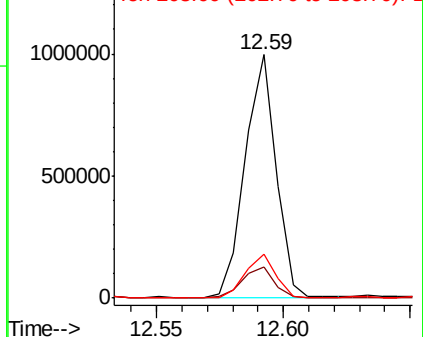


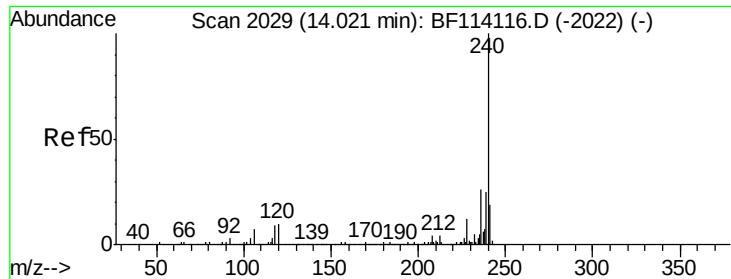
Abundance

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

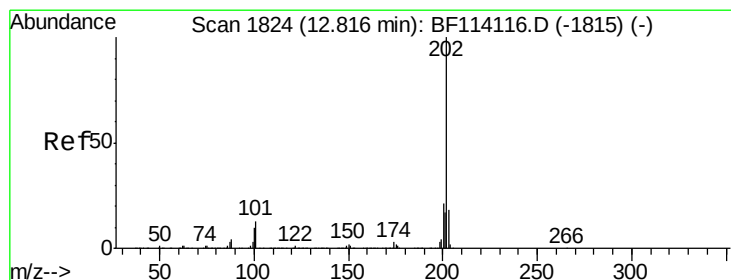
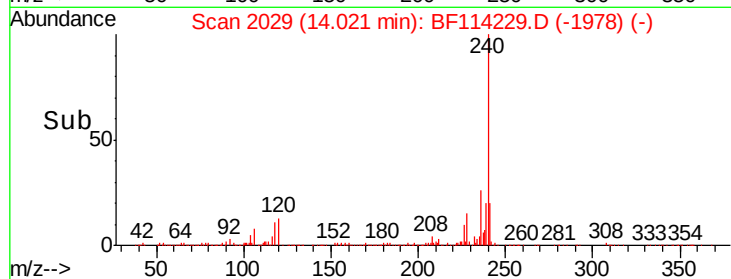
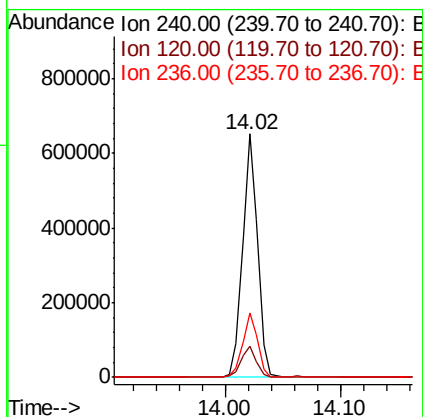
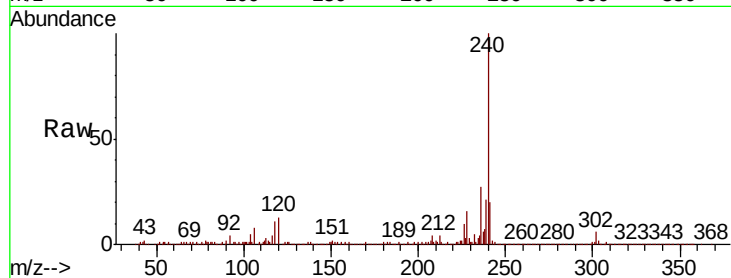




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

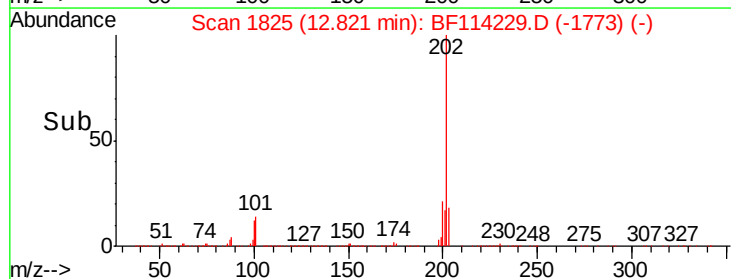
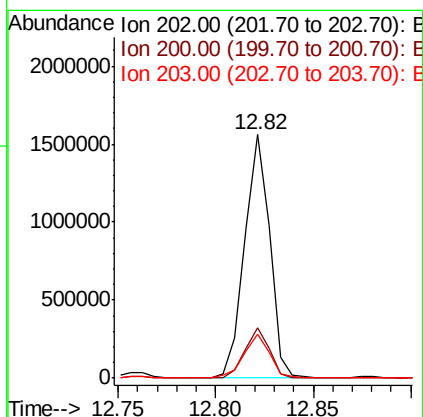
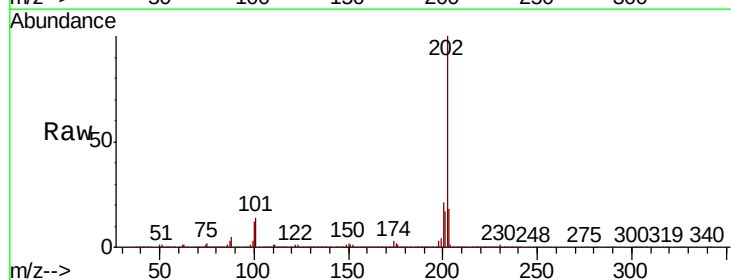
Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

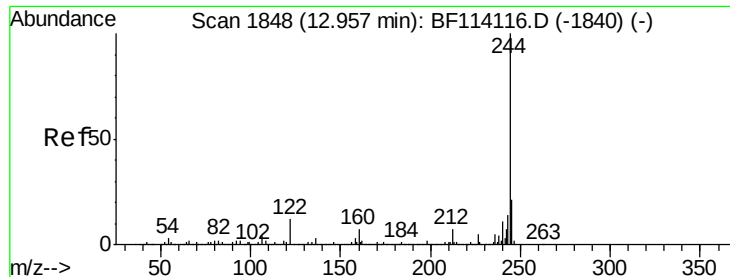
Tgt Ion:240 Resp: 585757
Ion Ratio Lower Upper
240 100
120 13.0 8.3 12.5#
236 26.6 20.8 31.2



#78
Pyrene
Concen: 29.497 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion:202 Resp: 1389932
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 18.1 14.5 21.7





#79

Terphenyl-d14

Concen: 69.598 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

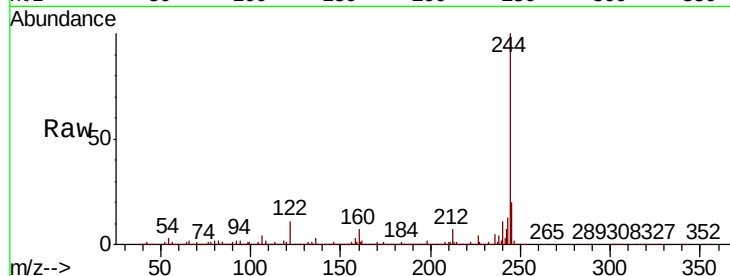
Tgt Ion:244 Resp: 1977628

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

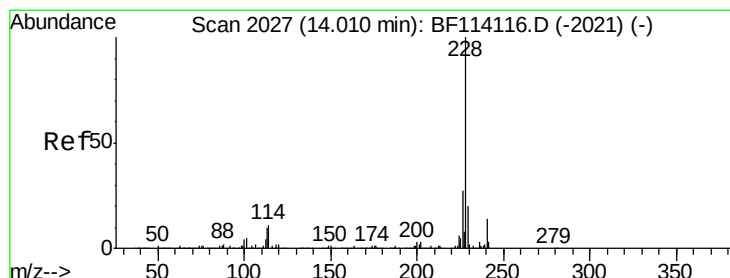
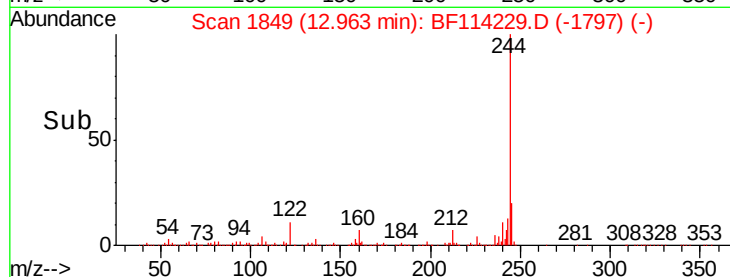
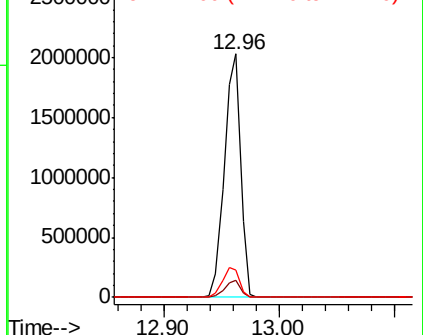
122 11.3 9.4 14.2



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: 12.810 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.04 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

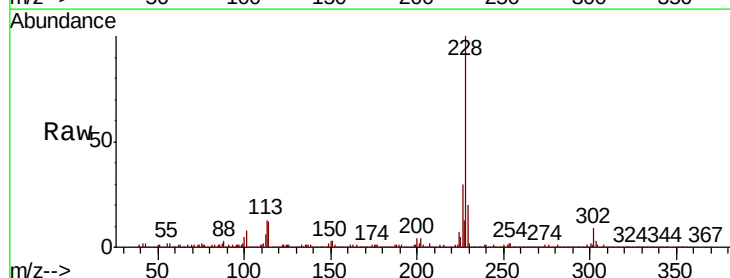
Tgt Ion:228 Resp: 485308

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.2

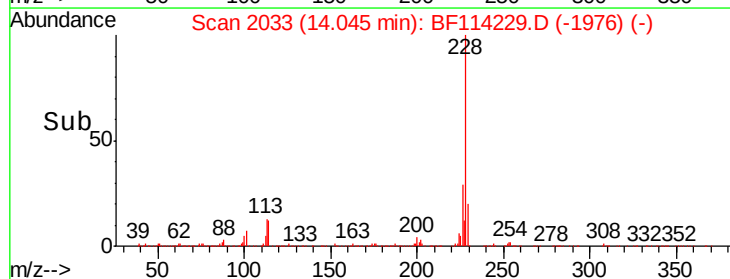
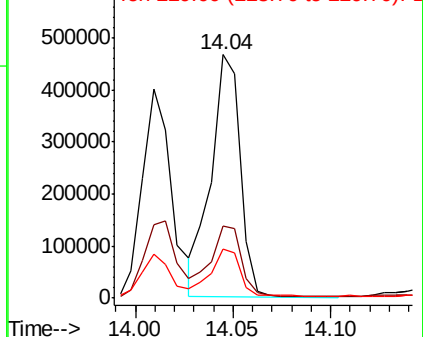
229 20.4 16.4 24.6

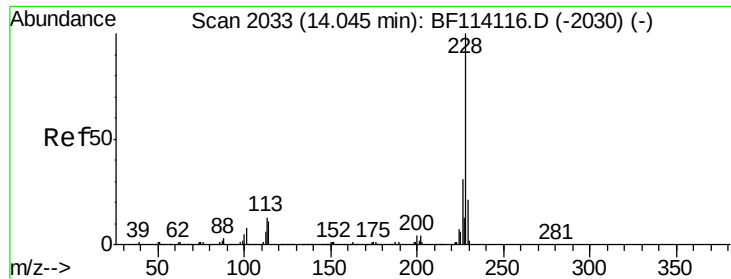


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 13.067 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

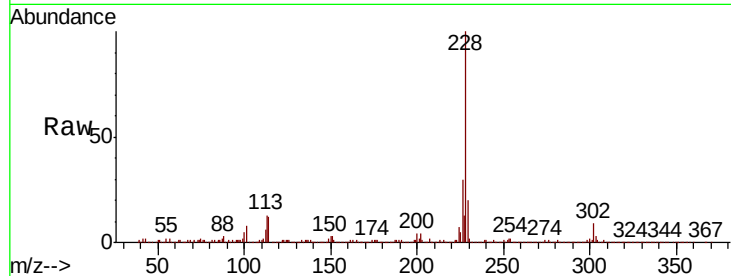
Tgt Ion:228 Resp: 485308

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

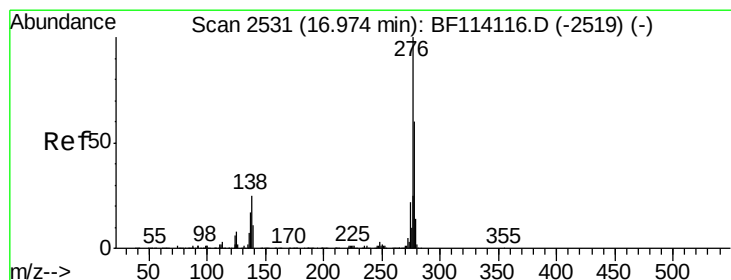
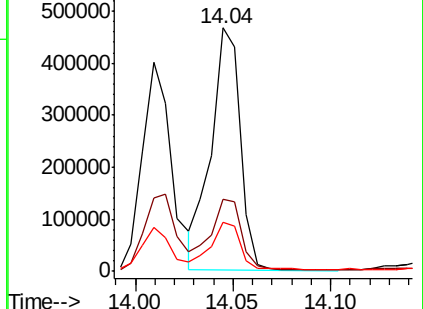
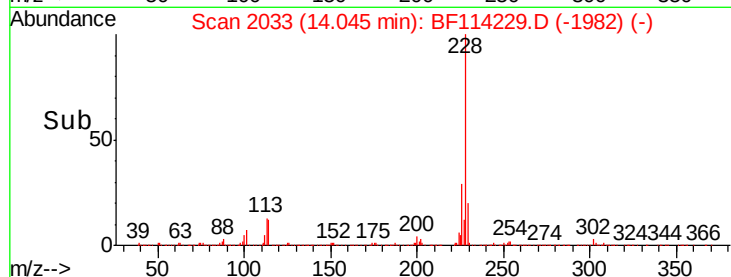
229 20.4 17.0 25.6



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: 4.999 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.01 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

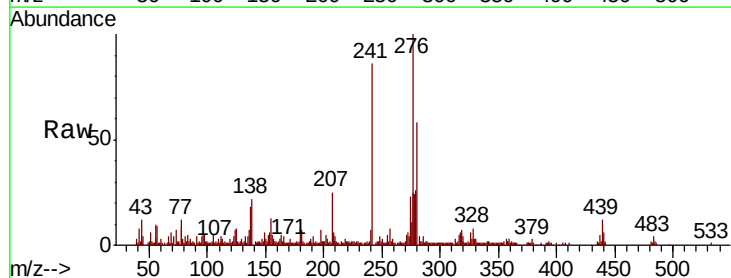
Tgt Ion:276 Resp: 164081

Ion Ratio Lower Upper

276 100

138 22.5 20.2 30.2

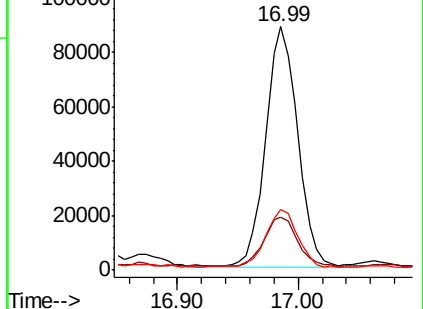
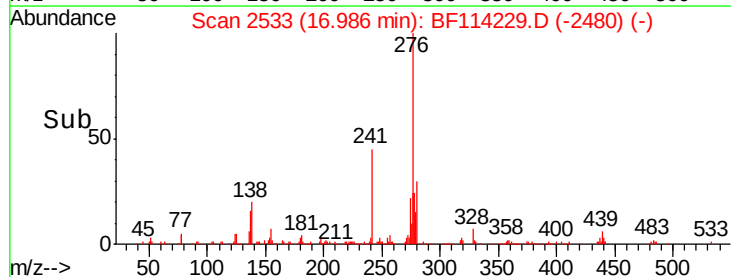
277 23.6 20.0 30.0

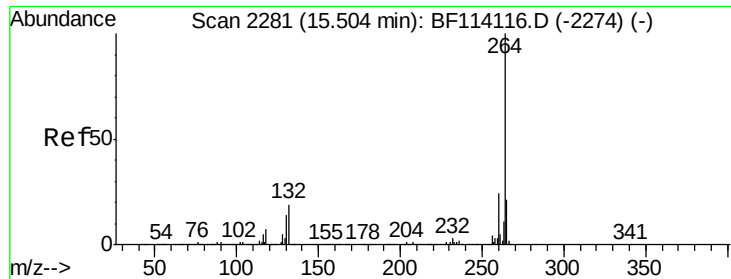


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



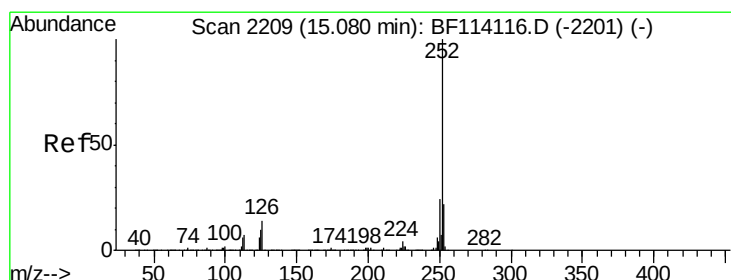
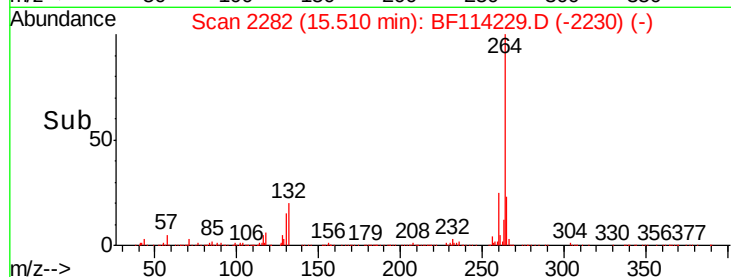
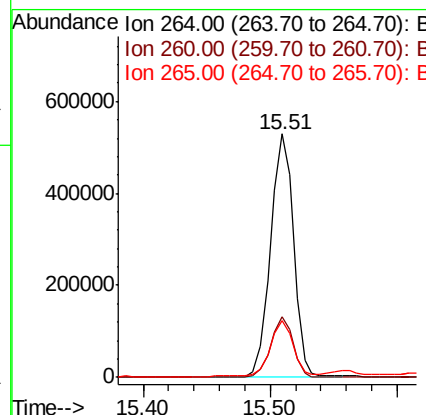
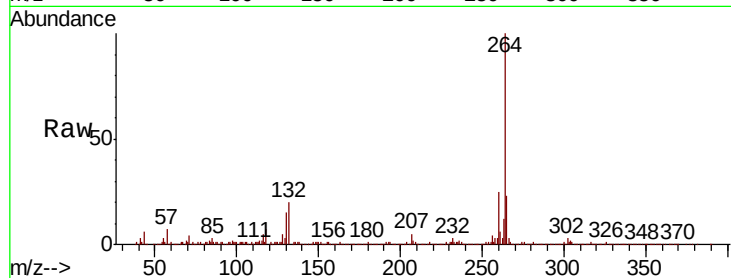


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Instrument :
BNA_F
ClientSampleId :
P026-SS002-1218-01

Tgt Ion: 264 Resp: 668719

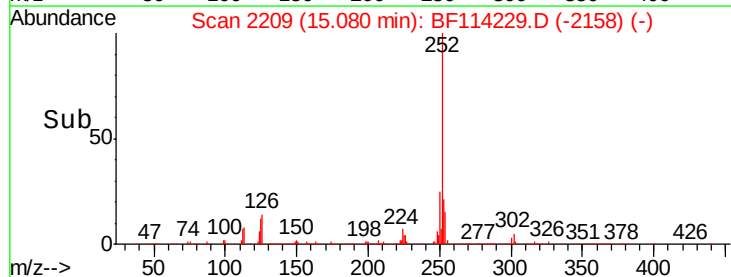
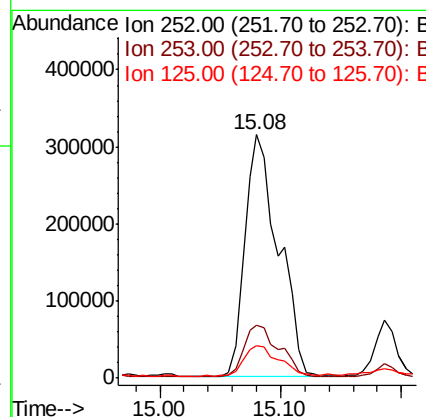
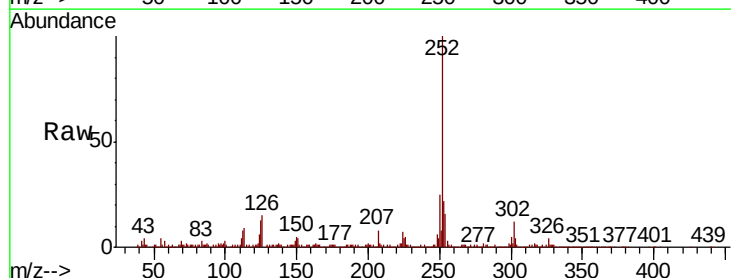
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	23.3	16.9	25.3

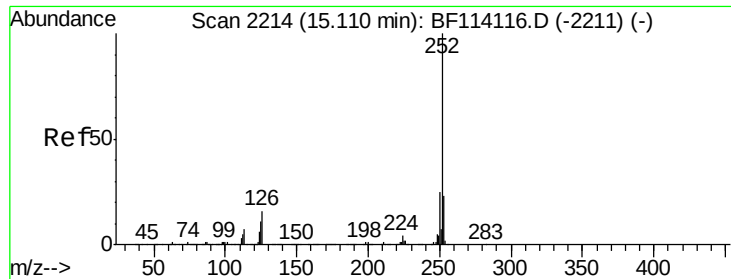


#88
Benzo(b)fluoranthene
Concen: 14.179 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF114229.D
Acq: 13 May 2019 15:24

Tgt Ion: 252 Resp: 607454

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	13.4	8.3	12.5





#89

Benzo(k)fluoranthene

Concen: 15.435 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.03 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

Instrument :

BNA_F

ClientSampleId :

P026-SS002-1218-01

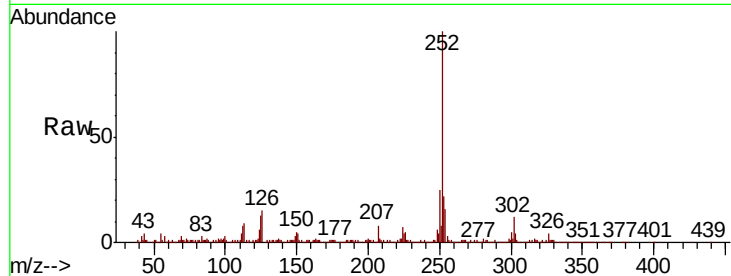
Tgt Ion:252 Resp: 607454

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.2

125 13.4 8.6 13.0#

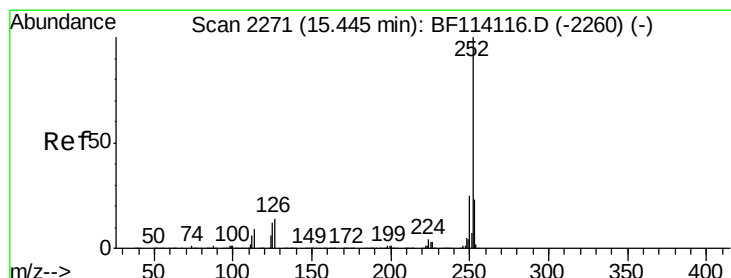
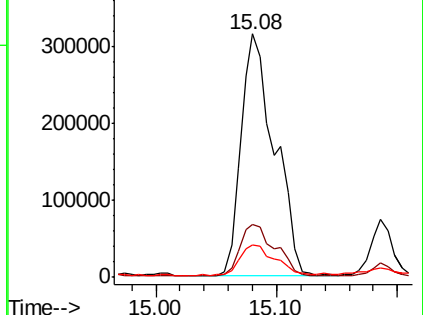
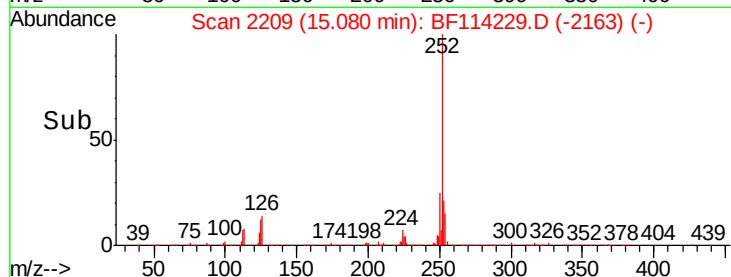


Abundance

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: 8.731 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF114229.D

Acq: 13 May 2019 15:24

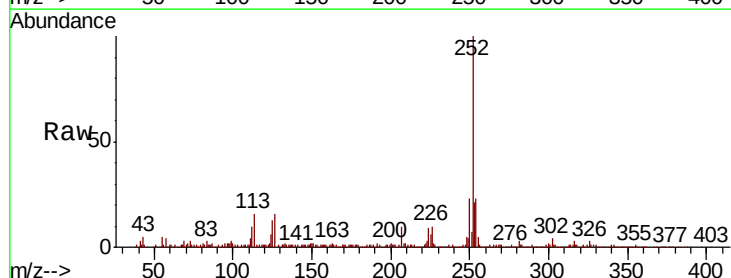
Tgt Ion:252 Resp: 329196

Ion Ratio Lower Upper

252 100

253 21.3 18.1 27.1

125 13.4 9.5 14.3

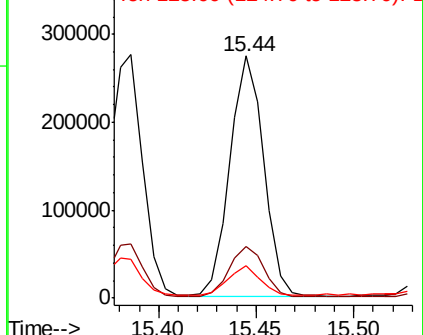
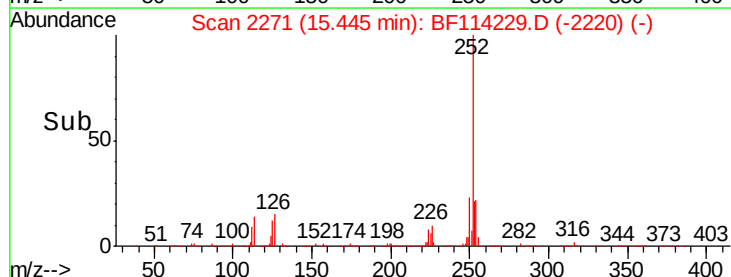


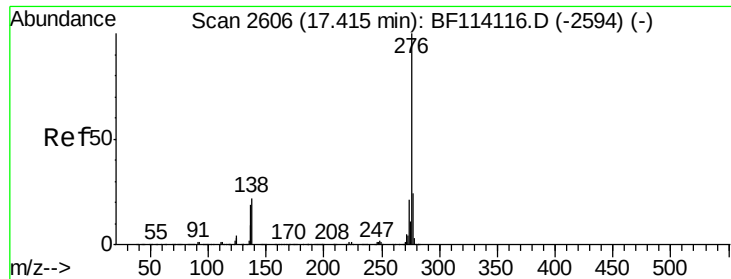
Abundance

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





#92
 Benzo(g,h,i)perylene
 Concen: 6.778 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.02 min
 Lab File: BF114229.D
 Acq: 13 May 2019 15:24

Instrument :
 BNA_F
 ClientSampleId :
 P026-SS002-1218-01

Tgt Ion:	276	Resp:	212831
Ion Ratio		Lower	Upper
276	100		
277	24.6	19.0	28.4
138	24.1	17.8	26.6

