

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
 Data File : BF114377.D
 Acq On : 18 May 2019 4:15
 Operator : JU/SJ
 Sample : K2894-08DL 2X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 05:10:09 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	175095	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	722796	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	364791	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	722401	20.00	ng	0.00
76) Chrysene-d12	14.02	240	468635	20.00	ng	0.00
87) Perylene-d12	15.50	264	395827	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	425496	39.11	ng	0.00
7) Phenol-d6	6.49	99	600953	46.70	ng	0.00
23) Nitrobenzene-d5	7.40	82	277823	21.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	144014	38.19	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	649996	26.95	ng	0.00
79) Terphenyl-d14	12.95	244	609230	26.80	ng	0.00

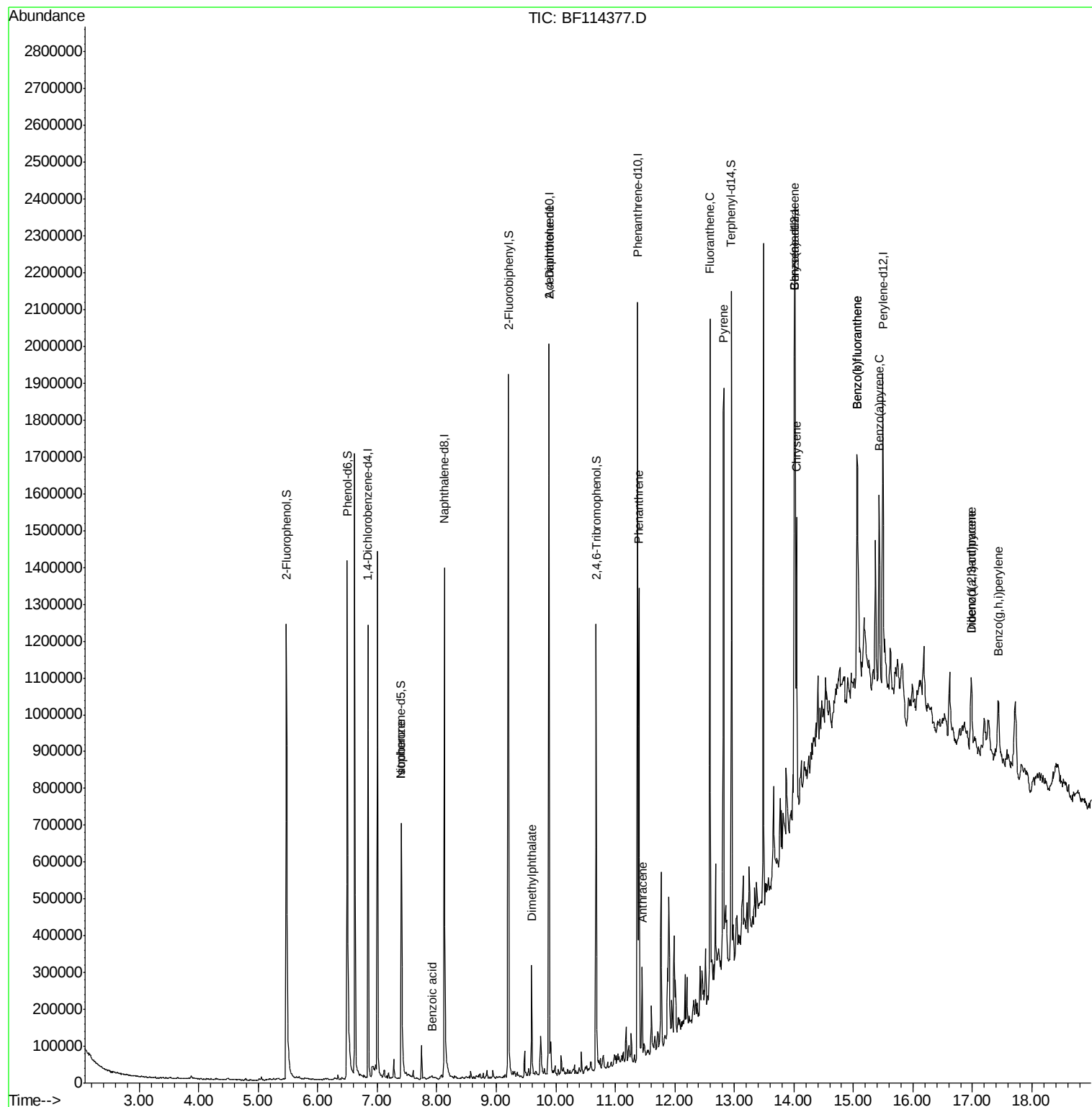
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	277858	11.633	ng	# 64
32) Benzoic acid	7.92	122	1233	7.168	ng	# 84
50) Dimethylphthalate	9.59	163	129131	4.822	ng	99
57) 2,4-Dinitrotoluene	9.89	165	48612	6.030	ng	# 26
71) Phenanthrene	11.40	178	445980	12.689	ng	96
72) Anthracene	11.45	178	95117	2.694	ng	99
75) Fluoranthene	12.59	202	783240	20.695	ng	99
78) Pyrene	12.82	202	703369	18.657	ng	97
81) Benzo(a)anthracene	14.01	228	336836	11.113	ng	99
83) Chrysene	14.04	228	326899	11.002	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	137765	5.246	ng	95
88) Benzo(b)fluoranthene	15.06	252	483416	19.063	ng	# 95
89) Benzo(k)fluoranthene	15.06	252	483416	20.752	ng	# 95
90) Benzo(a)pyrene	15.43	252	237203	10.628	ng	97
91) Dibenzo(a,h)anthracene	16.98	278	39974	2.155	ng	# 65
92) Benzo(g,h,i)perylene	17.43	276	138386	7.446	ng	97

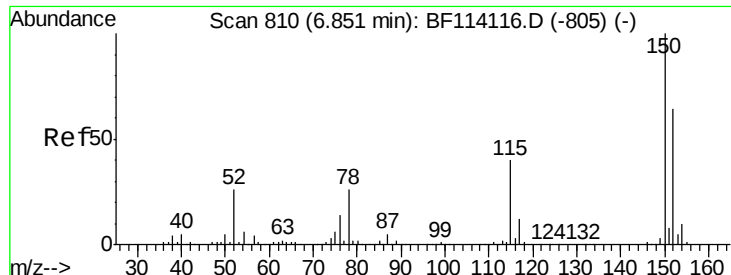
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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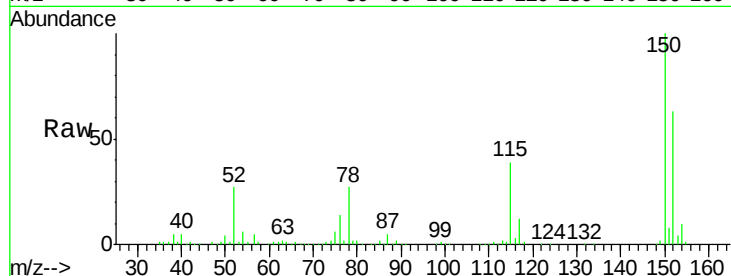


#1

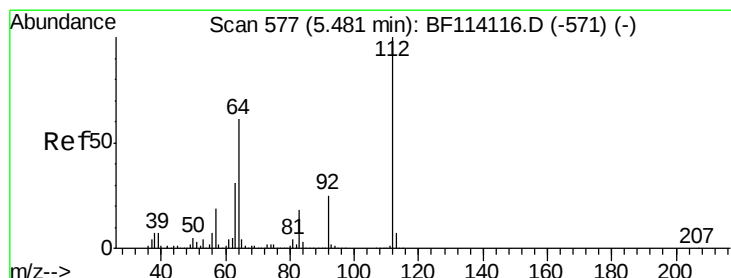
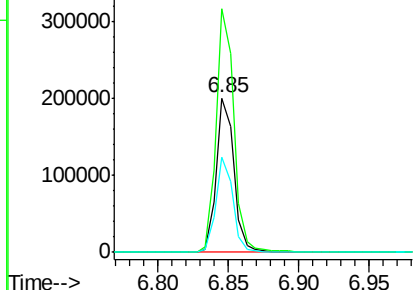
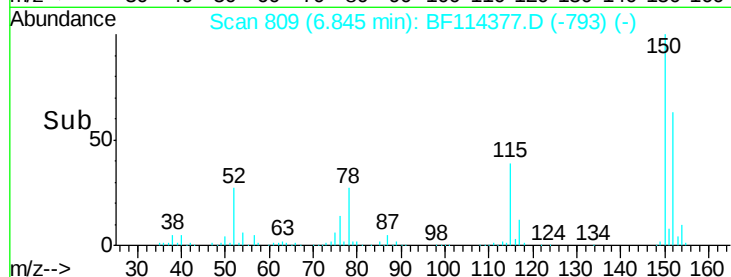
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114377.D
Acq: 18 May 2019 4:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175095
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 61.2 49.1 73.7



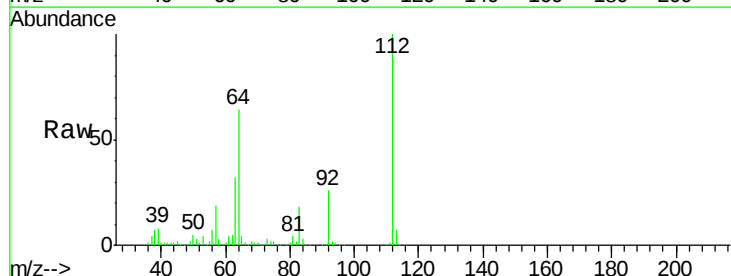
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



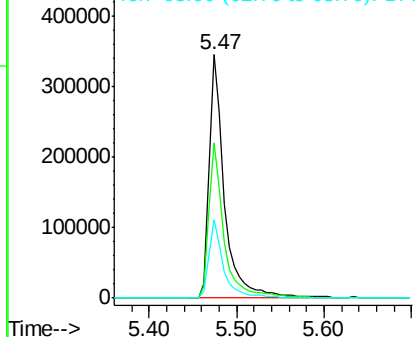
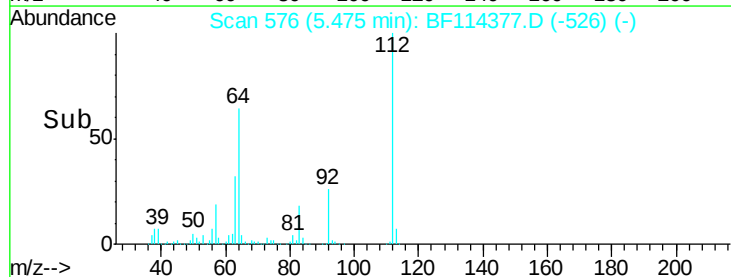
#5

2-Fluorophenol
Concen: 39.106 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114377.D
Acq: 18 May 2019 4:15

Tgt Ion:112 Resp: 425496
Ion Ratio Lower Upper
112 100
64 63.7 49.0 73.6
63 32.0 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: 46.699 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Instrument :

BNA_F

ClientSampleId :

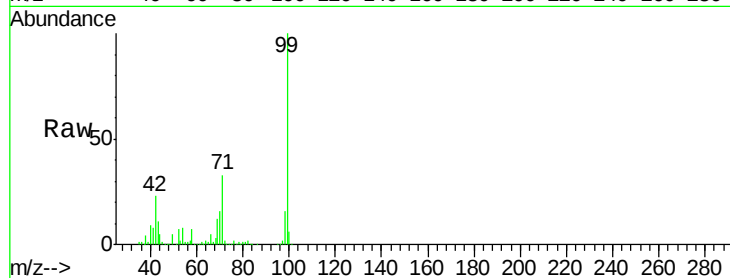
Tot Ion: 99 Resp: 600953

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

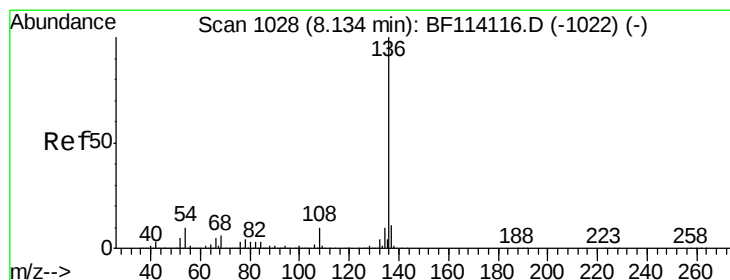
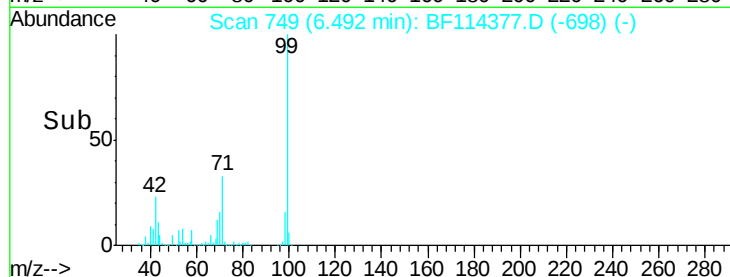
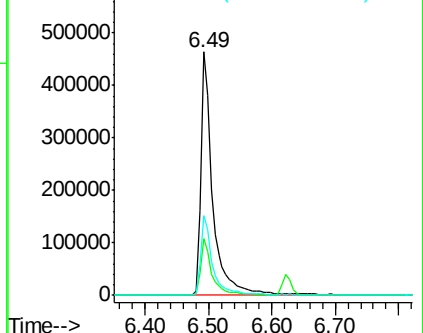
71 32.7 26.2 39.2



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Tgt Ion: 136 Resp: 722796

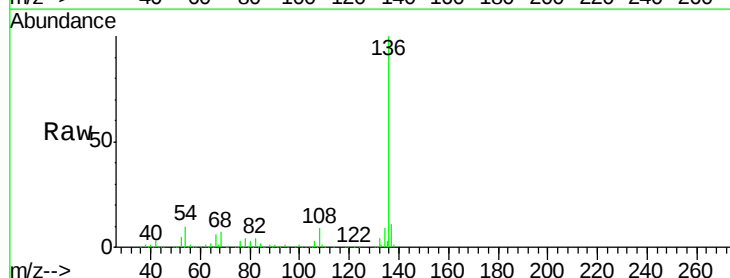
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 10.5 7.8 11.8

68 7.1 5.1 7.7

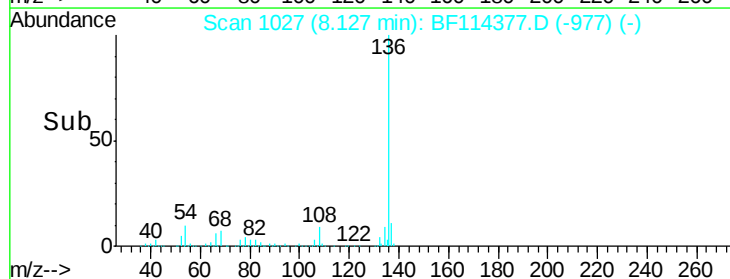
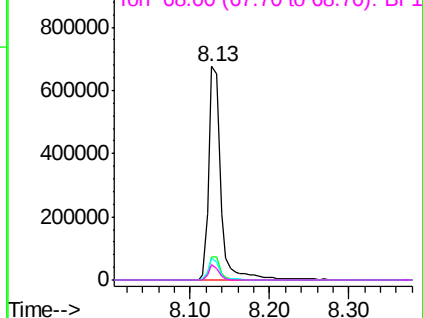


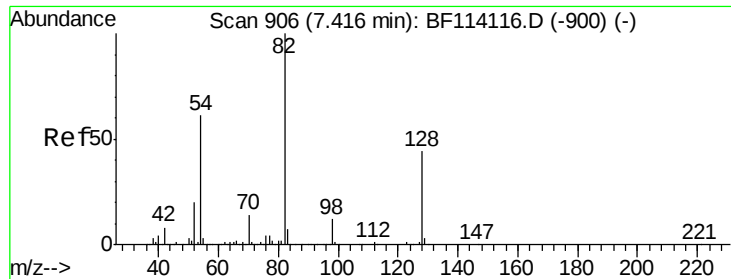
Abundance Ion 136.00 (135.70 to 136.70): E

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

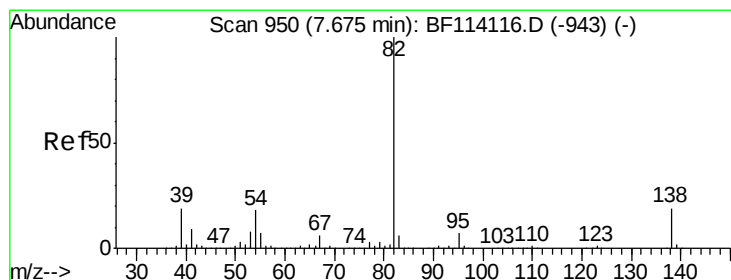
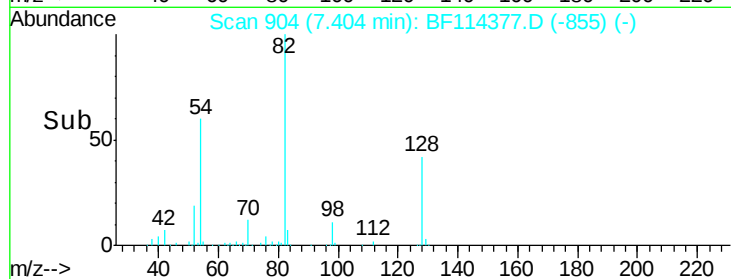
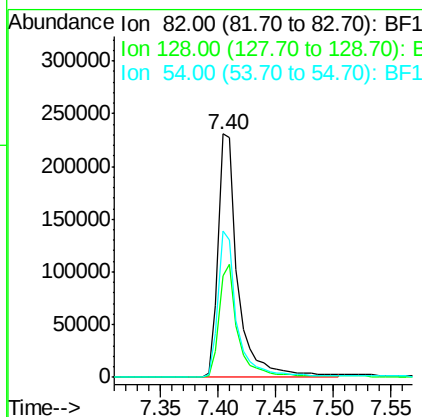
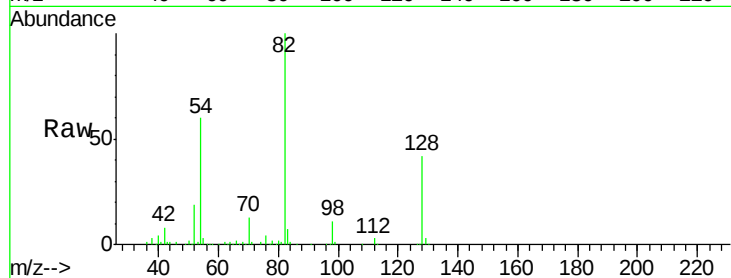




#23
 Nitrobenzene-d5
 Concen: 21.571 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF114377.D
 Acq: 18 May 2019 4:15

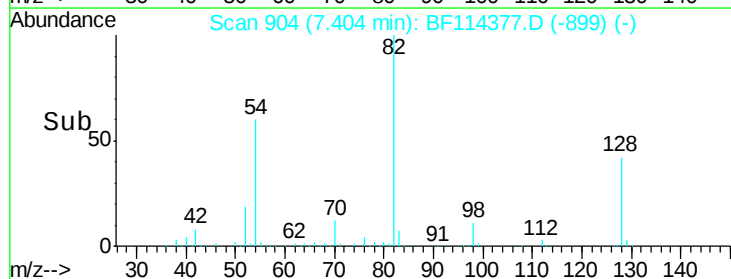
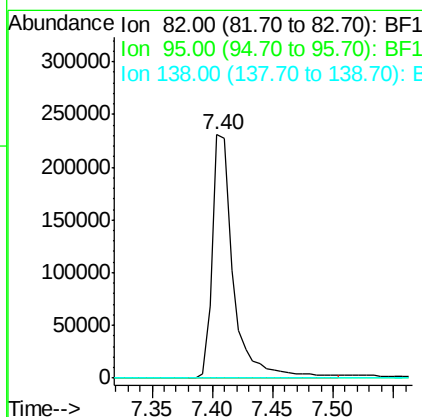
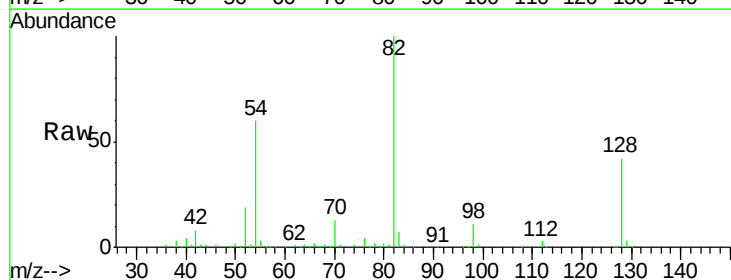
Instrument :
 BNA_F
 ClientSampleId :

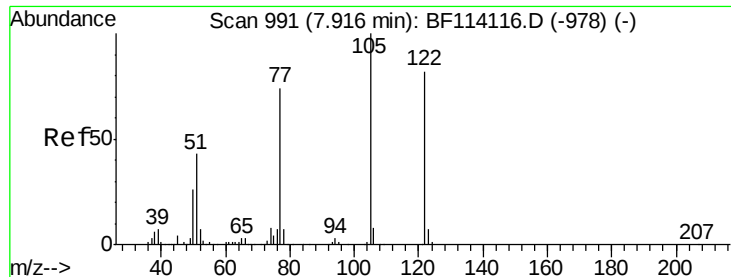
Tot Ion	82	Resp	277823
Ion Ratio	Lower	Upper	
82	100		
128	41.9	35.5	53.3
54	60.0	48.5	72.7



#25
 Isophorone
 Concen: 11.633 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.27 min
 Lab File: BF114377.D
 Acq: 18 May 2019 4:15

Tgt Ion	82	Resp	277858
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.6	8.4#
138	0.0	14.8	22.2#

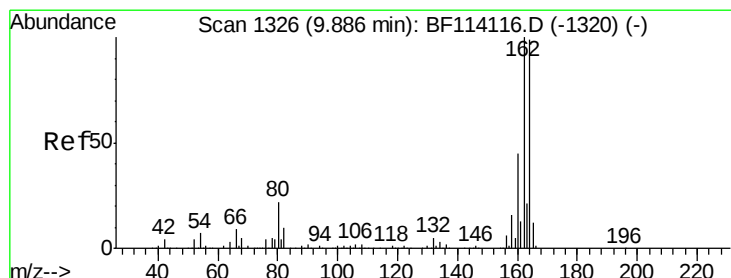
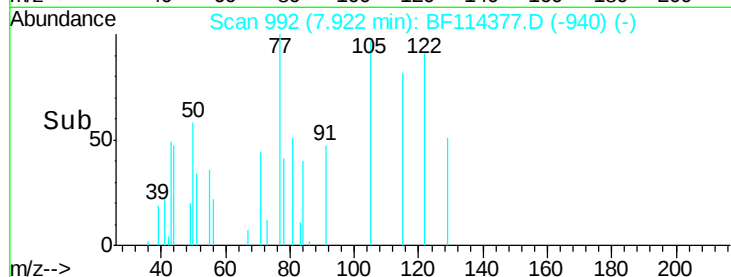
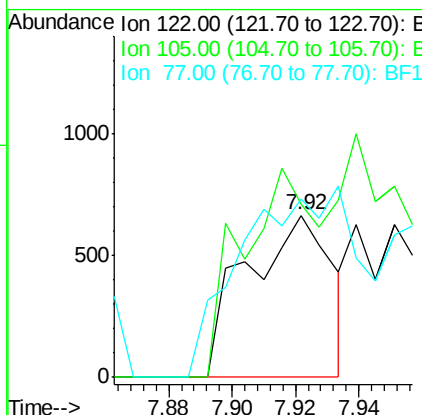
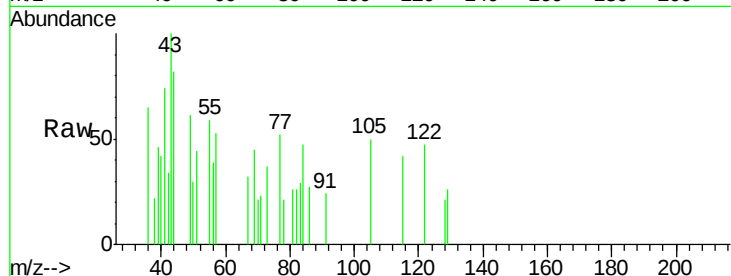




#32
Benzoic acid
Concen: 7.168 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF114377.D
Acq: 18 May 2019 4:15

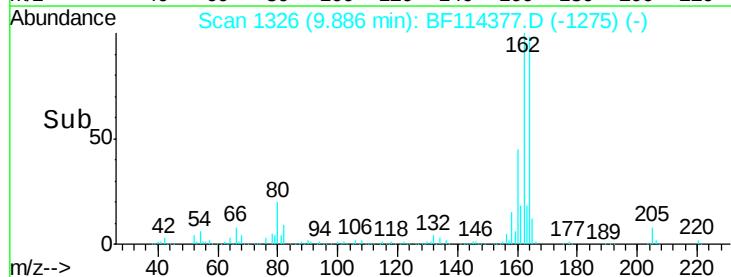
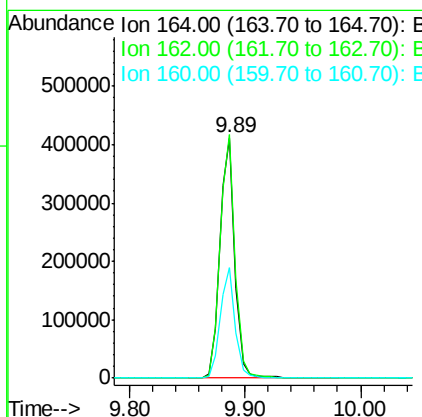
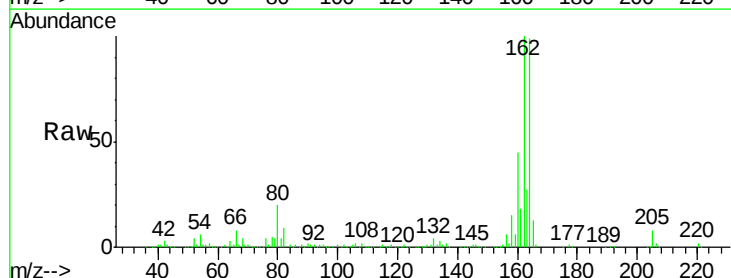
Instrument :
BNA_F
ClientSampleId :

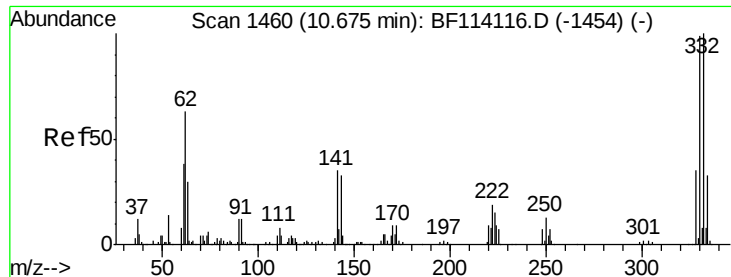
Tot Ion:122 Resp: 1233
Ion Ratio Lower Upper
122 100
105 106.9 99.9 139.9
77 109.8 69.4 109.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114377.D
Acq: 18 May 2019 4:15

Tgt Ion:164 Resp: 364791
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 45.7 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 38.187 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Instrument :

BNA_F

ClientSampleId :

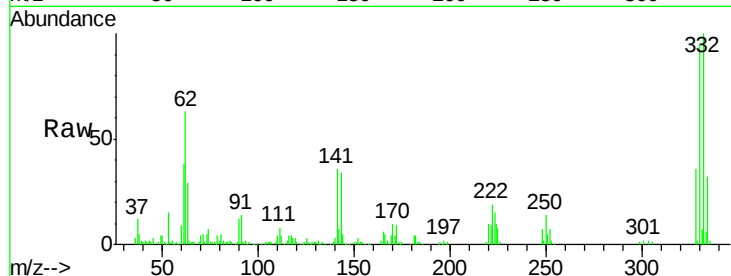
Tot Ion:330 Resp: 144014

Ion Ratio Lower Upper

330 100

332 102.8 81.4 122.2

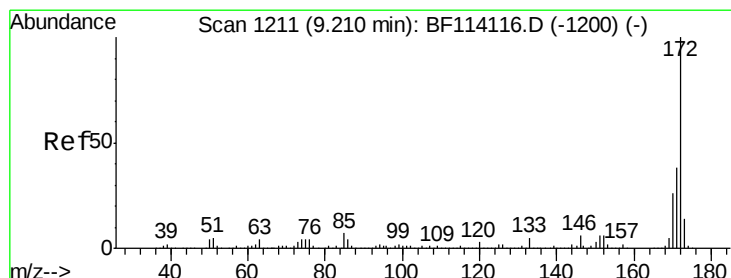
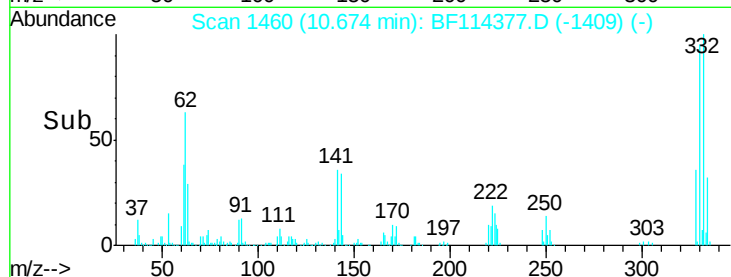
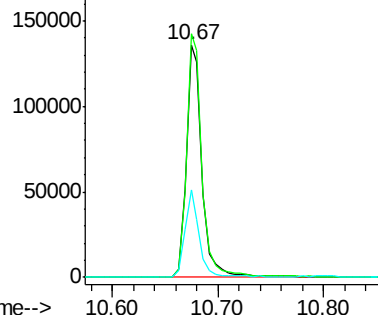
141 33.2 26.6 40.0



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: 26.953 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

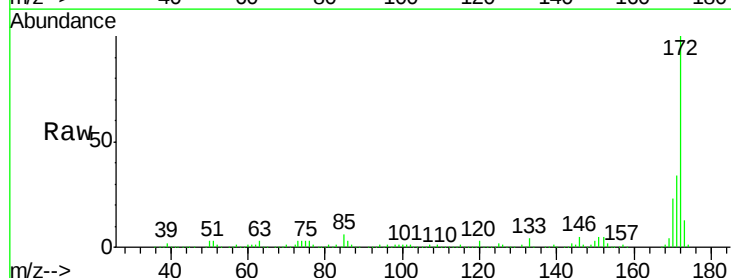
Tgt Ion:172 Resp: 649996

Ion Ratio Lower Upper

172 100

171 34.5 30.7 46.1

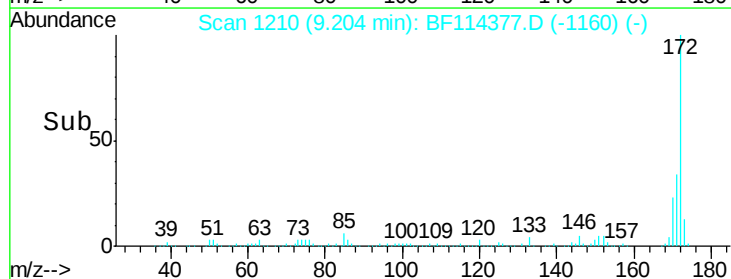
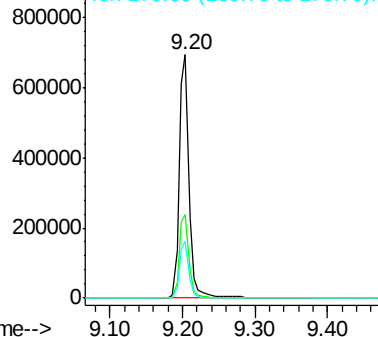
170 23.2 20.5 30.7

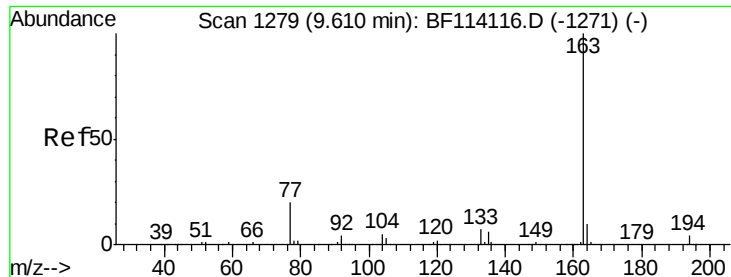


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.822 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Instrument :

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ClientSampleId :

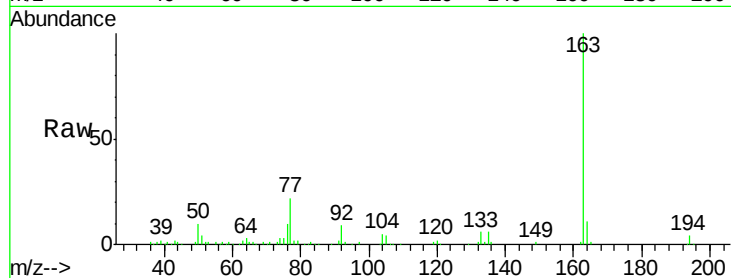
Tot Ion:163 Resp: 129131

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

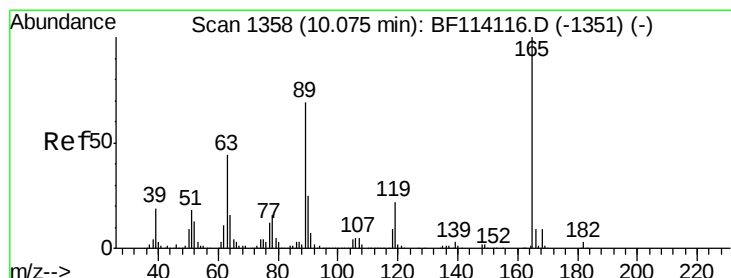
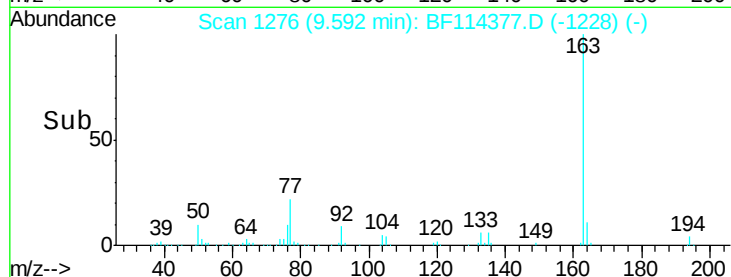
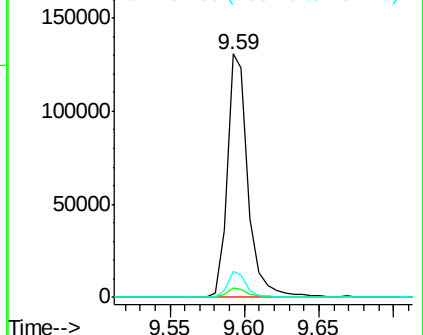
164 10.7 8.2 12.2



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: 6.030 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.19 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Tgt Ion:165 Resp: 48612

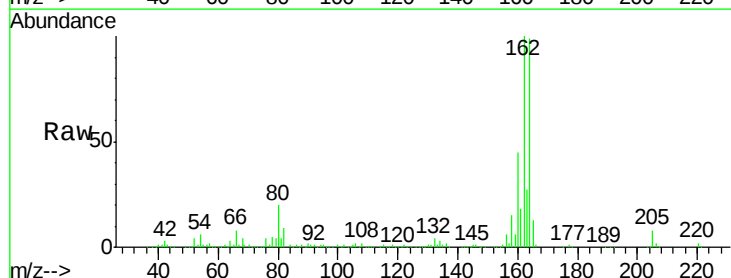
Ion Ratio Lower Upper

165 100

63 1.9 35.5 53.3#

89 2.2 55.2 82.8#

182 0.0 2.2 3.2#

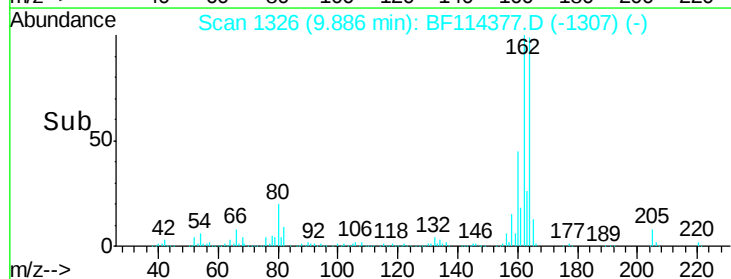
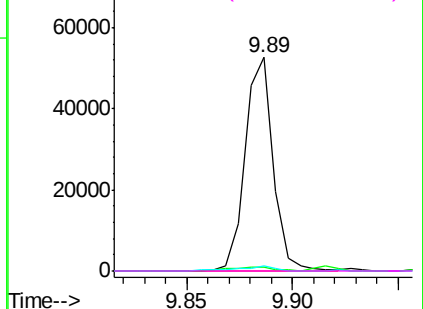


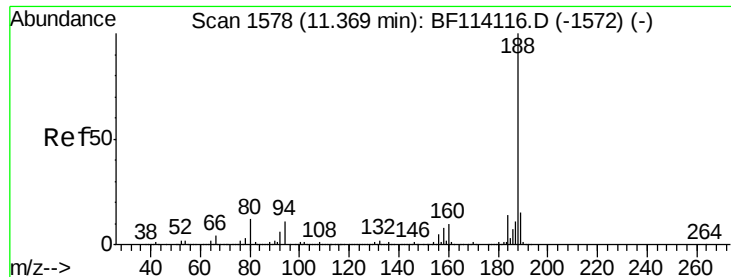
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF114377.D

Acq: 18 May 2019 4:15

Instrument :

BNA_F

ClientSampleId :

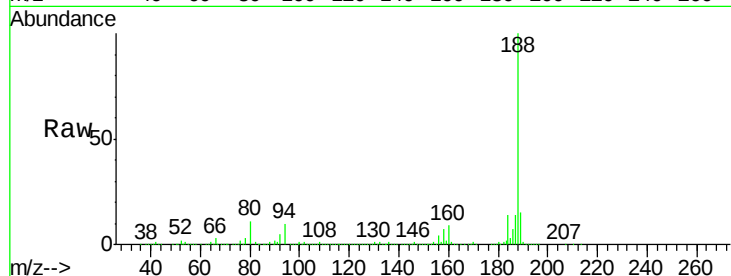
Tot Ion:188 Resp: 722401

Ion Ratio Lower Upper

188 100

94 9.6 8.4 12.6

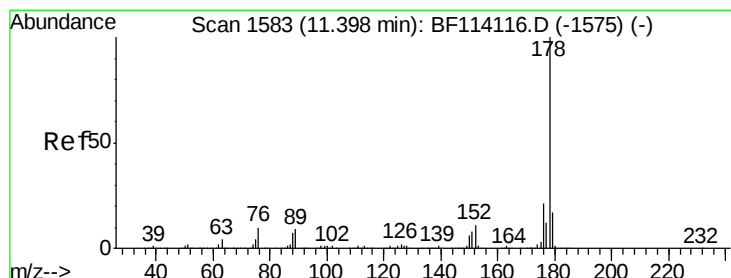
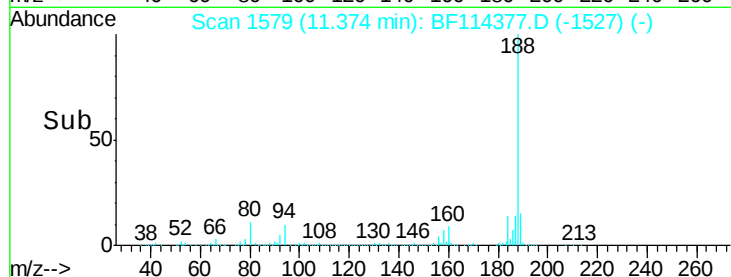
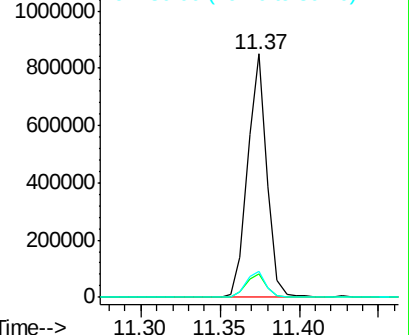
80 10.5 9.2 13.8



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



#71

Phenanthrene

Concen: 12.689 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

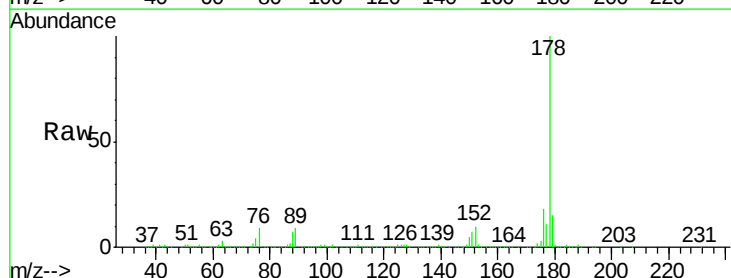
Tgt Ion:178 Resp: 445980

Ion Ratio Lower Upper

178 100

176 18.1 16.4 24.6

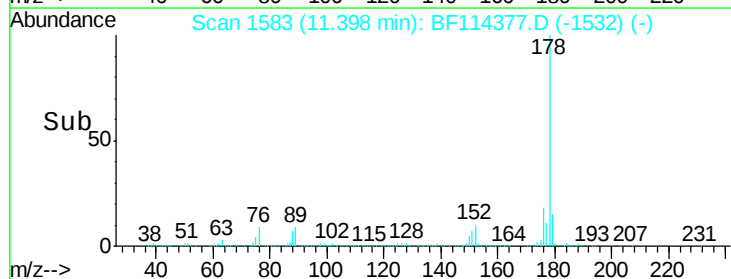
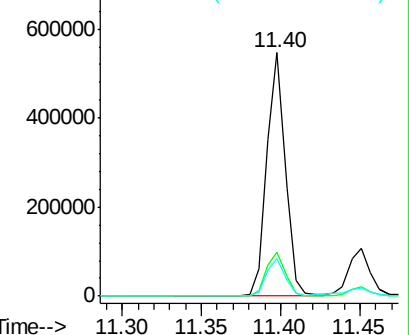
179 15.3 13.2 19.8

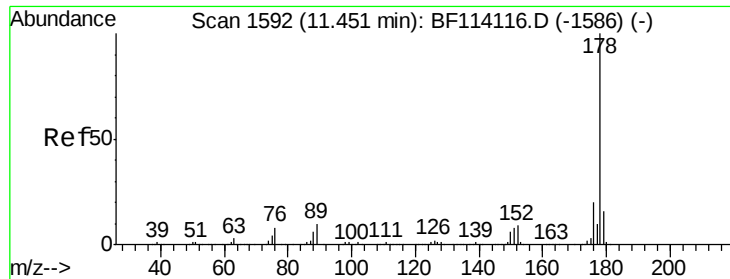


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.694 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Instrument :

BNA_F

ClientSampleId :

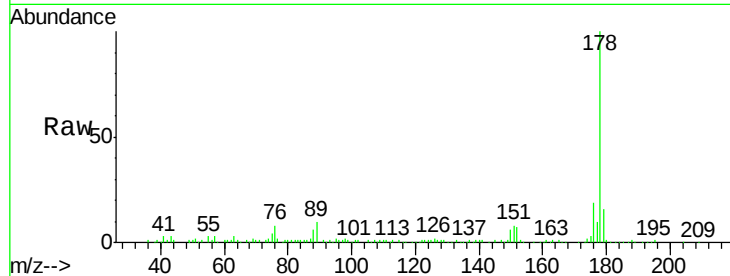
Tot Ion:178 Resp: 95117

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	16.2	13.0	19.4

178 100

176 18.6 15.8 23.8

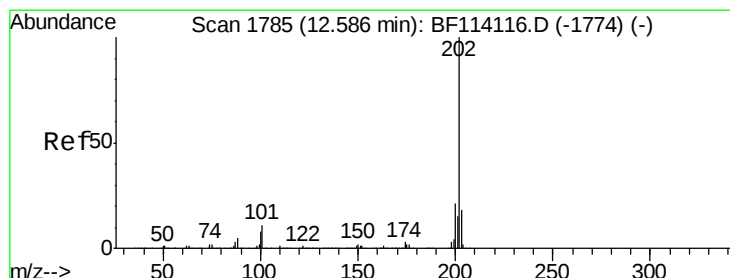
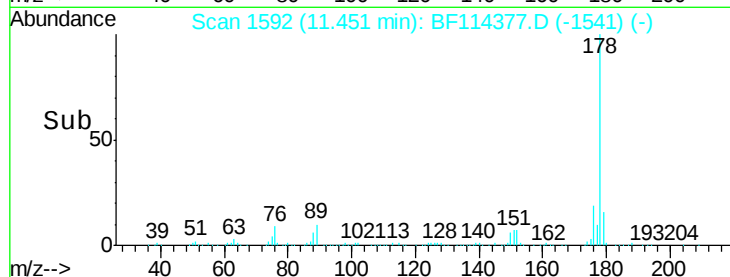
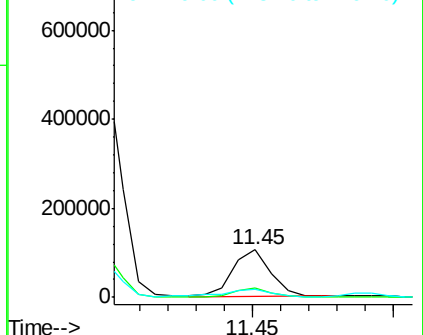
179 16.2 13.0 19.4



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: 20.695 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

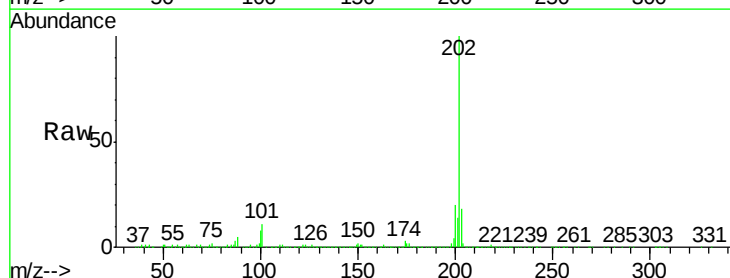
Tgt Ion:202 Resp: 783240

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.0
203	17.6	0.0	38.4

202 100

101 10.6 0.0 31.0

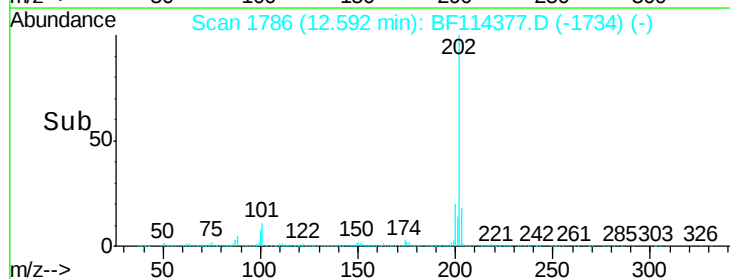
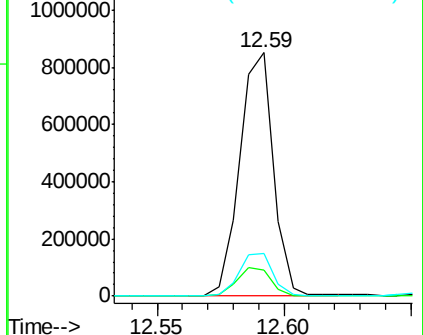
203 17.6 0.0 38.4

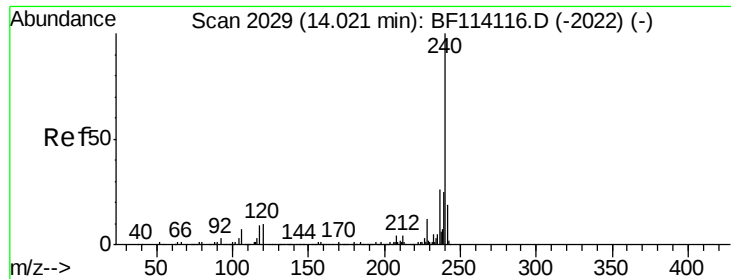


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

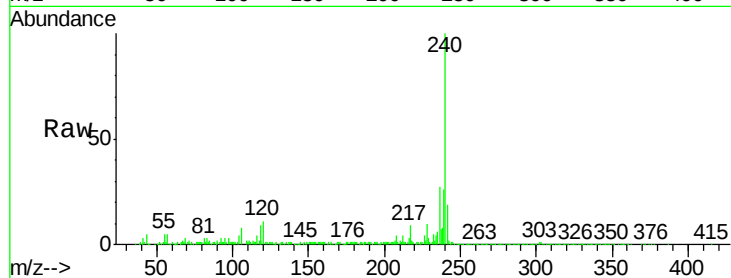




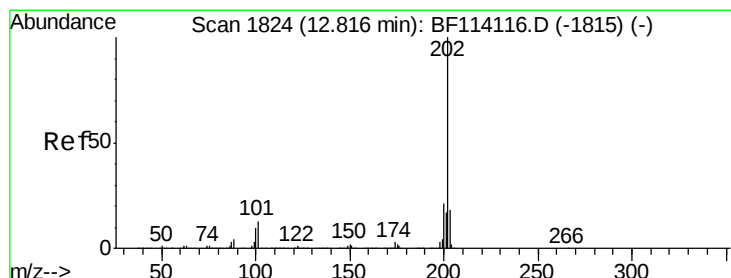
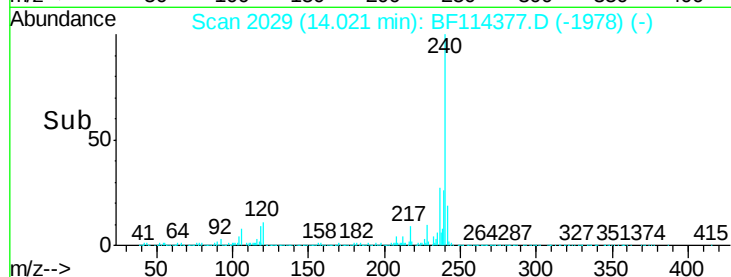
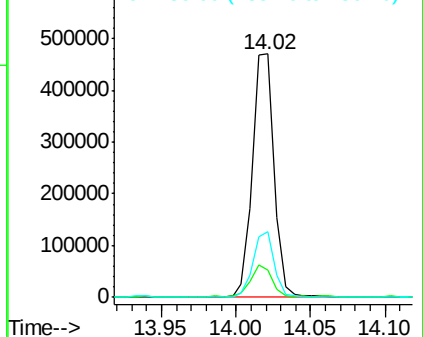
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF114377.D
Acq: 18 May 2019 4:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 468635
Ion Ratio Lower Upper
240 100
120 11.0 8.3 12.5
236 27.0 20.8 31.2

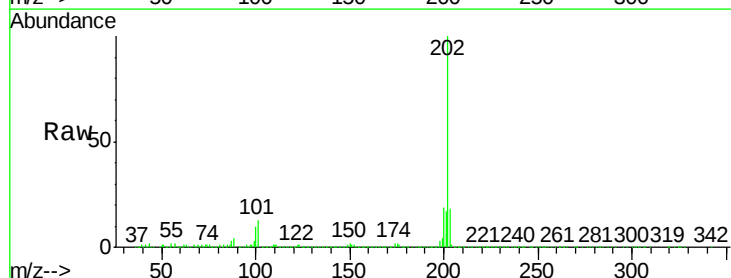


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

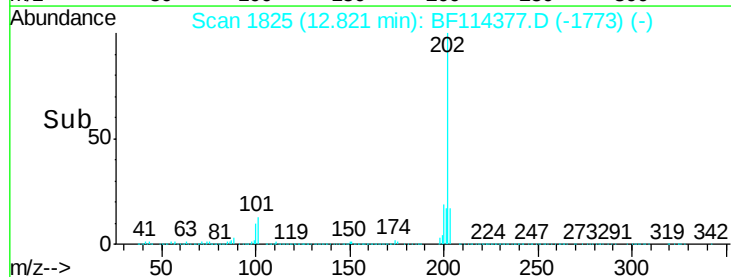
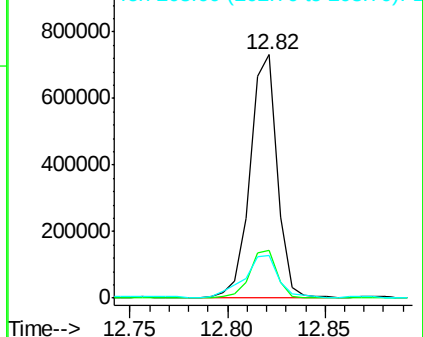


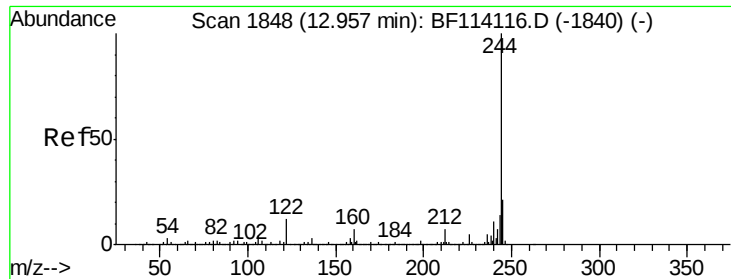
#78
Pyrene
Concen: 18.657 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114377.D
Acq: 18 May 2019 4:15

Tgt Ion:202 Resp: 703369
Ion Ratio Lower Upper
202 100
200 19.4 16.9 25.3
203 17.5 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

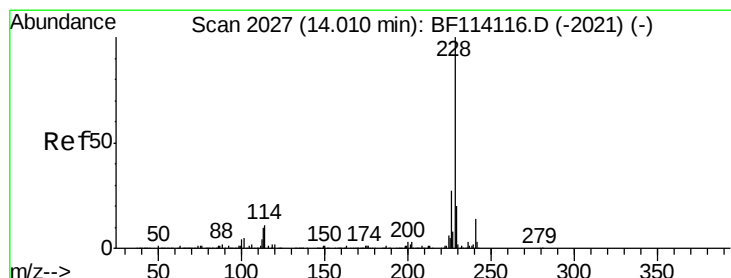
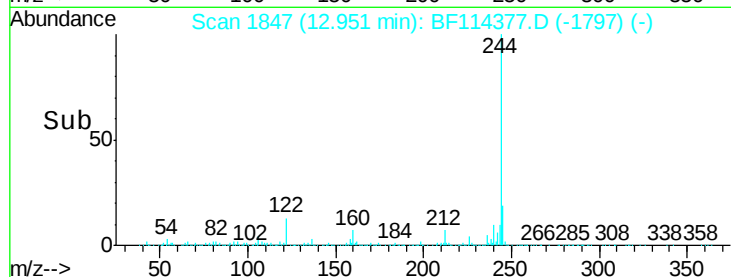
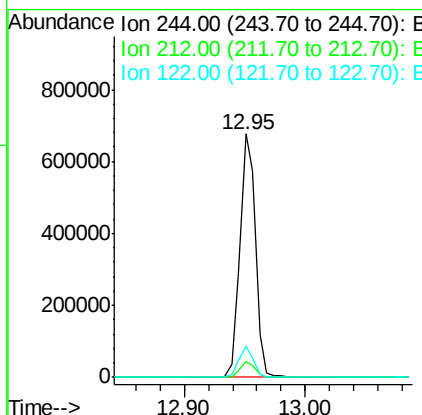
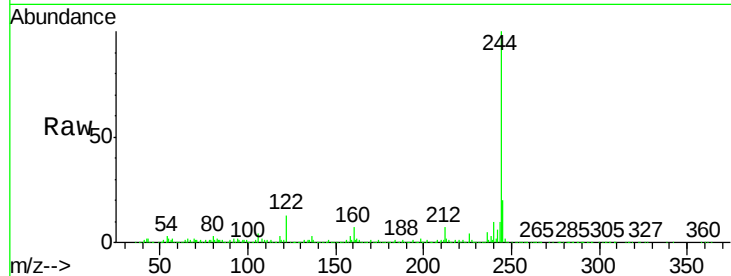




#79
 Terphenyl-d14
 Concen: 26.799 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF114377.D
 Acq: 18 May 2019 4:15

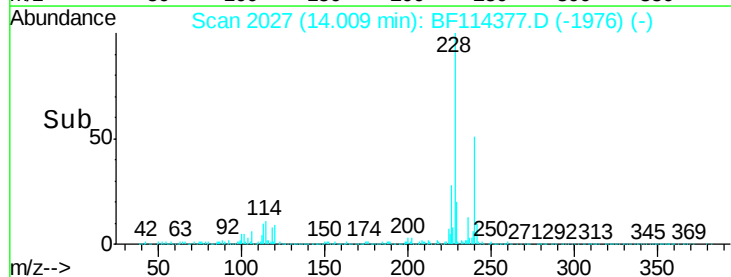
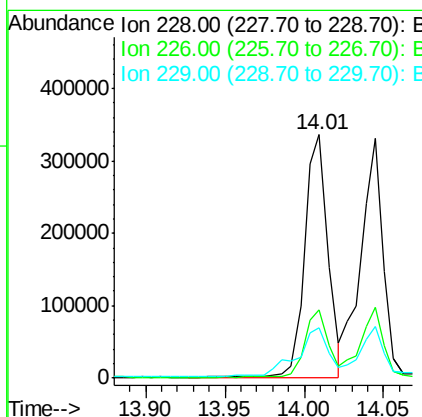
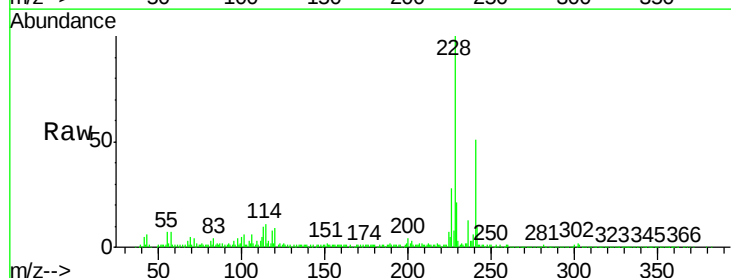
Instrument :
 BNA_F
 ClientSampleId :

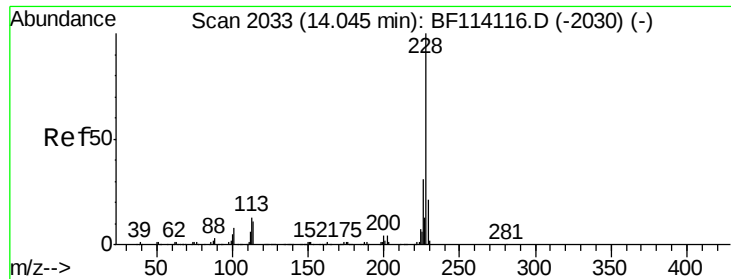
Tot Ion:244 Resp: 609230
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 12.6 9.4 14.2



#81
 Benzo(a)anthracene
 Concen: 11.113 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF114377.D
 Acq: 18 May 2019 4:15

Tgt Ion:228 Resp: 336836
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.2 33.2
 229 20.7 16.4 24.6





#83

Chrysene

Concen: 11.002 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Instrument :

BNA_F

ClientSampleId :

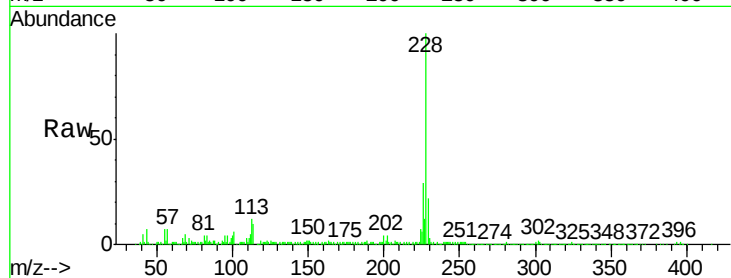
Tot Ion:228 Resp: 326899

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.6

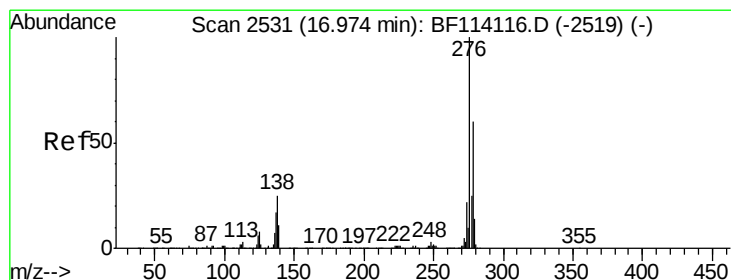
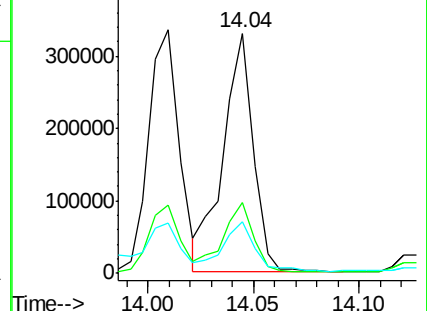
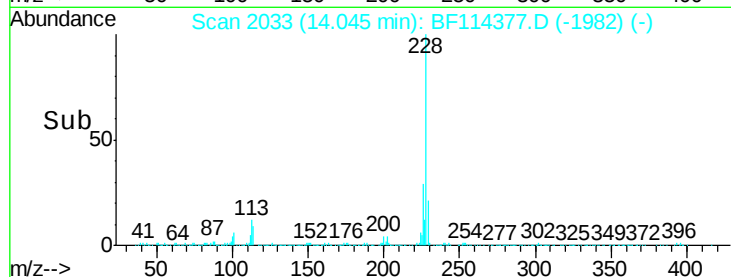
229 21.8 17.0 25.6



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: 5.246 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

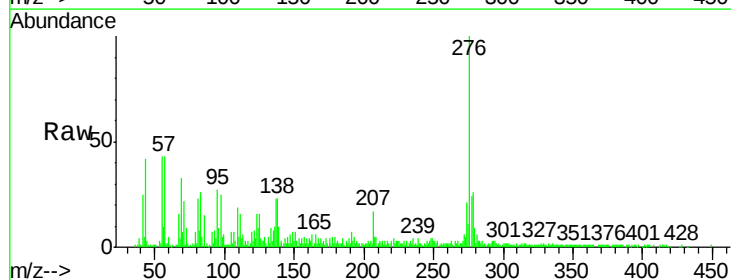
Tgt Ion:276 Resp: 137765

Ion Ratio Lower Upper

276 100

138 22.2 20.2 30.2

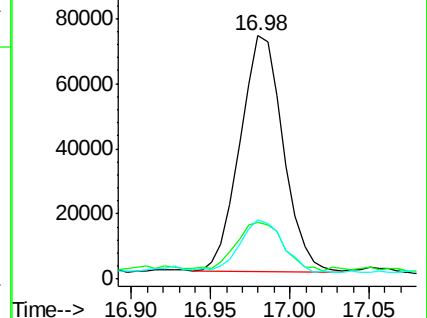
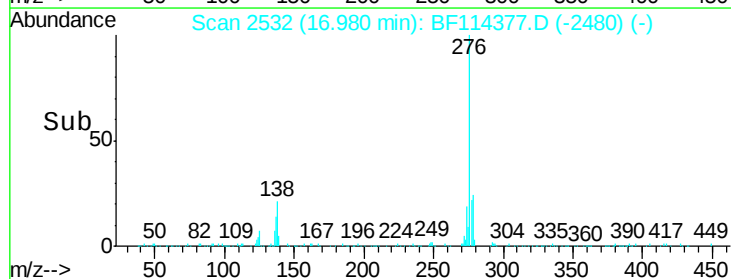
277 22.9 20.0 30.0

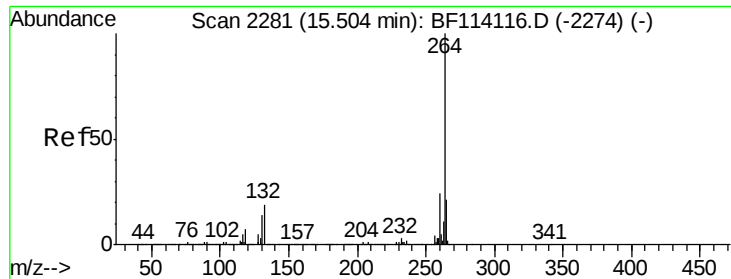


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

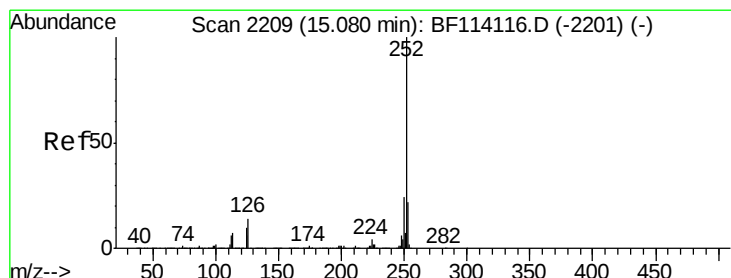
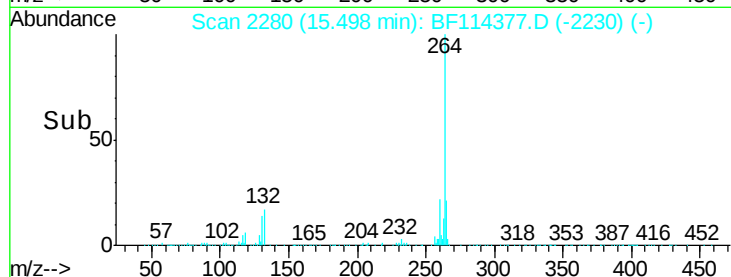
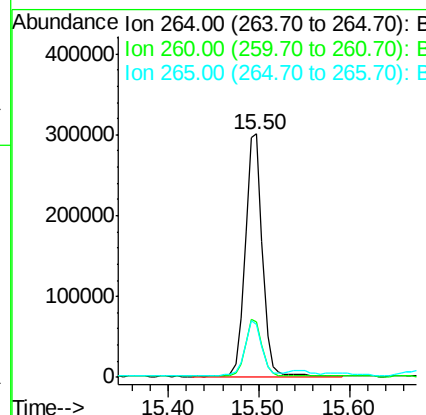
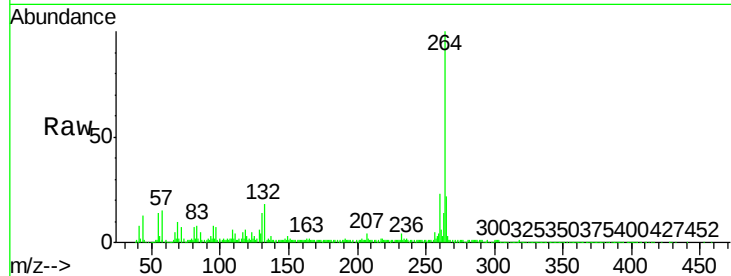




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF114377.D
Acq: 18 May 2019 4:15

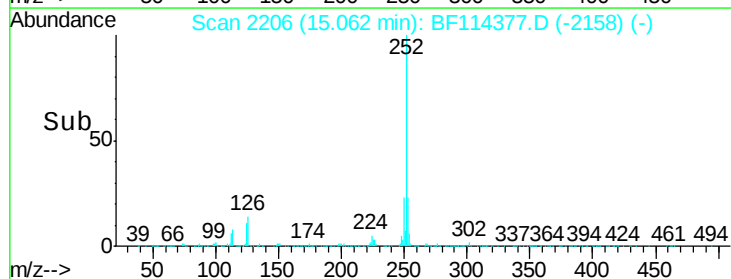
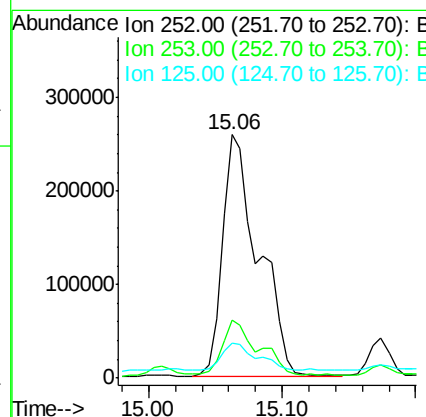
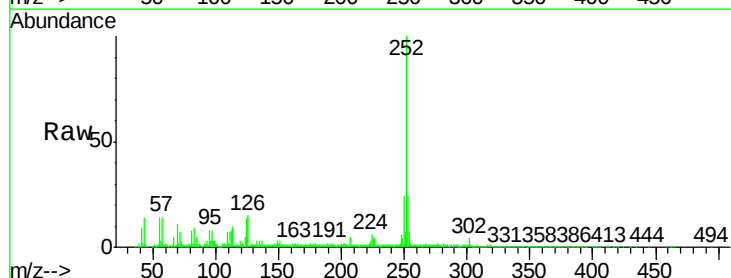
Instrument :
BNA_F
ClientSampleId :

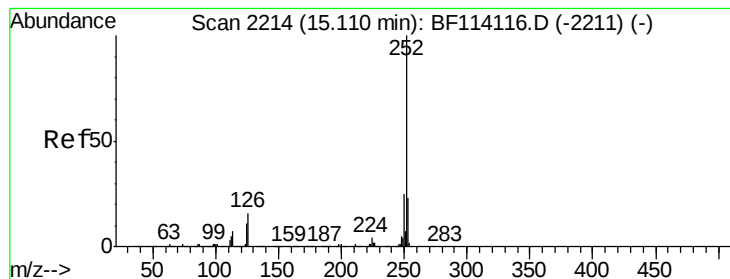
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.0
265	22.0	16.9	25.3



#88
Benzo(b)fluoranthene
Concen: 19.063 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF114377.D
Acq: 18 May 2019 4:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	14.4	8.3	12.5





#89

Benzo(k)fluoranthene

Concen: 20.752 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.05 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Instrument :

BNA_F

ClientSampleId :

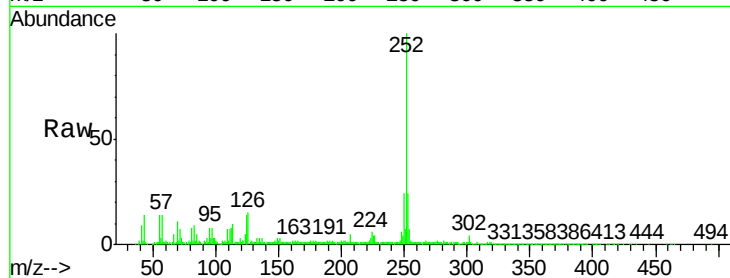
Tot Ion:252 Resp: 483416

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

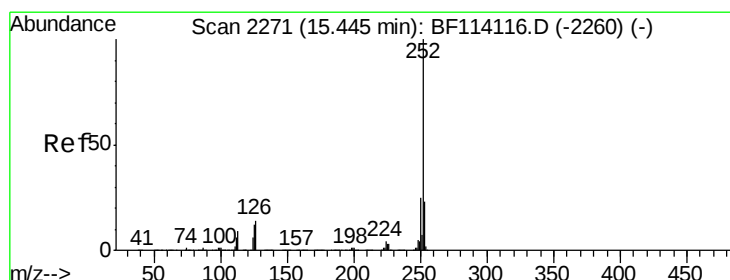
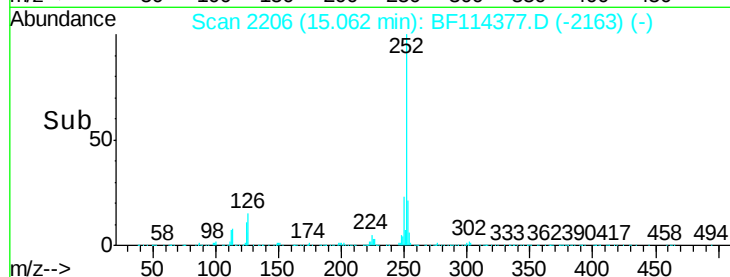
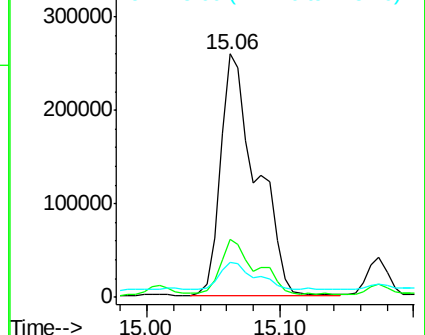
125 14.4 8.6 13.0#



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: 10.628 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

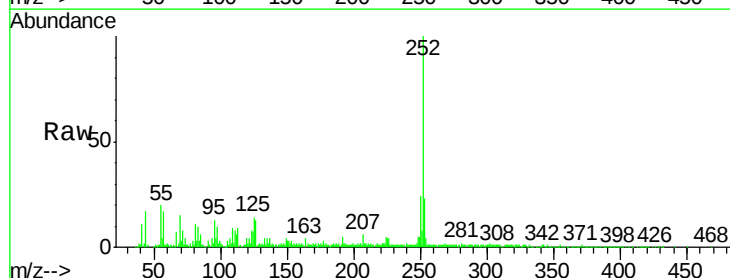
Tgt Ion:252 Resp: 237203

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

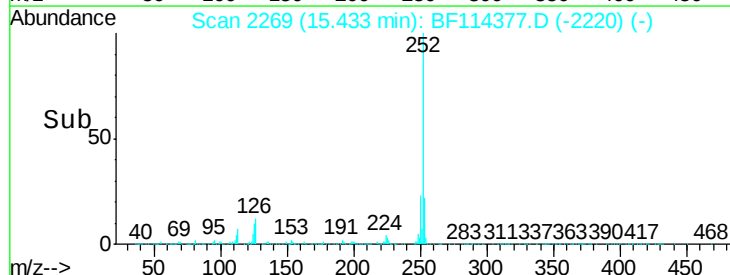
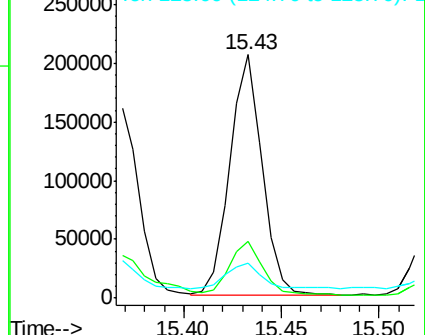
125 14.1 9.5 14.3

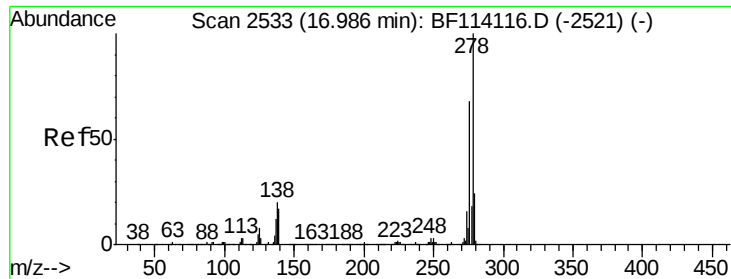


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.155 ng

RT: 16.98 min Scan# 2532

Delta R.T. -0.01 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

Instrument :

BNA_F

ClientSampleId :

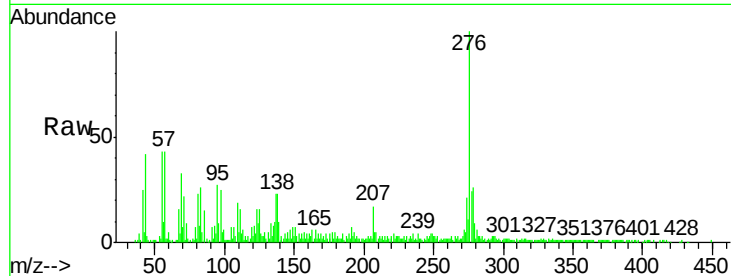
Tot Ion:278 Resp: 39974

Ion Ratio Lower Upper

278 100

139 39.7 13.5 20.3#

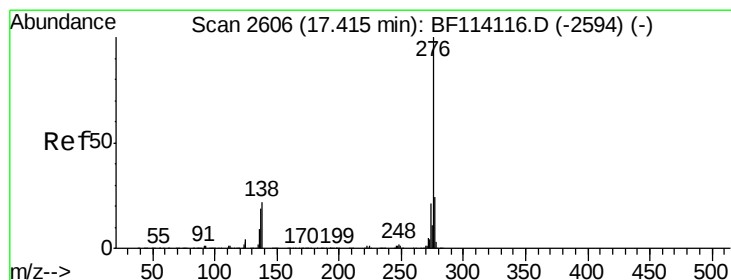
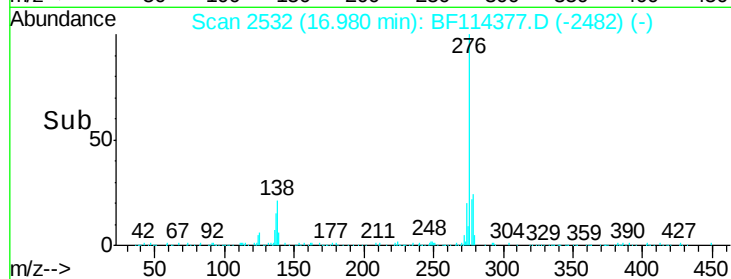
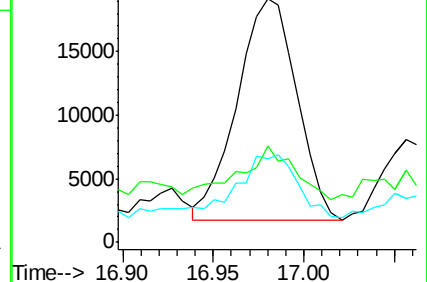
279 34.4 19.0 28.6#



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(g,h,i)perylene

Concen: 7.446 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.02 min

Lab File: BF114377.D

Acq: 18 May 2019 4:15

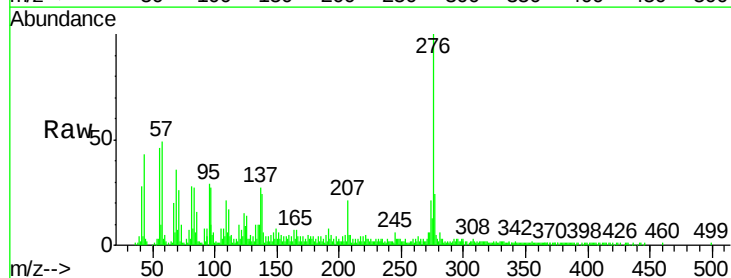
Tgt Ion:276 Resp: 138386

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 24.2 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

