

Data File : BF111477.D
Acq On : 15 Dec 2018 19:11
Operator : JU/SJ
Sample : J6371-02RE 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Quant Time: Dec 16 00:47:39 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	178390	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	697445	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	277971	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	400875	20.00	ng	0.00
76) Chrysene-d12	13.96	240	321372	20.00	ng	0.00
87) Perylene-d12	15.40	264	228657	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	255711	23.85	ng	0.00
7) Phenol-d6	6.43	99	738138	51.76	ng	0.00
23) Nitrobenzene-d5	7.35	82	428890	36.62	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	27146	10.90	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	766074	42.57	ng	0.00
79) Terphenyl-d14	12.90	244	546599	39.94	ng	0.00

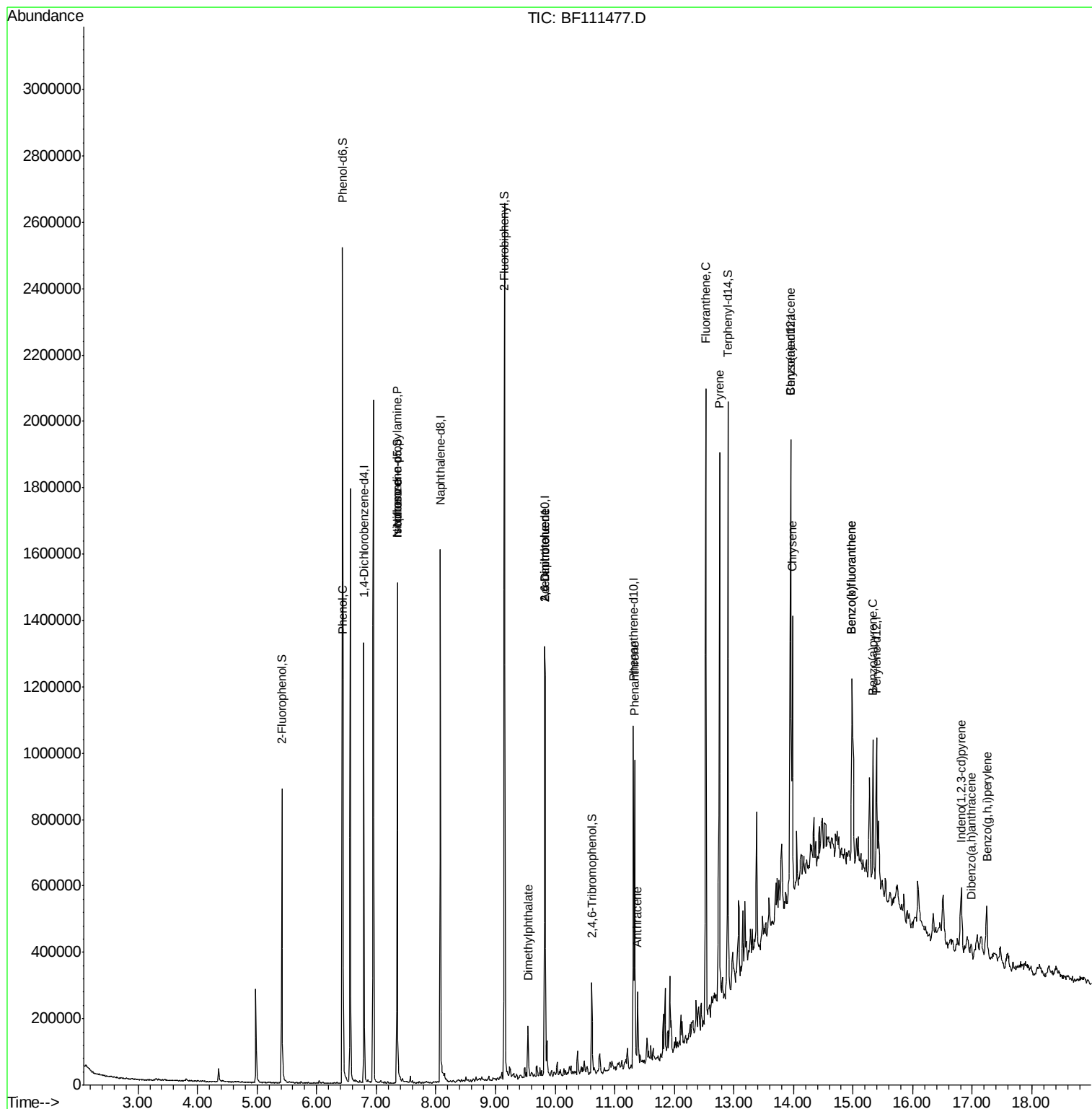
Target Compounds				Qvalue		
10) Phenol	6.45	94	46486	2.926	ng	91
19) n-Nitroso-di-n-propylamine	7.35	70	55574	5.907	ng	# 78
25) Isophorone	7.35	82	428953	21.645	ng	# 64
50) Dimethylphthalate	9.55	163	58968	2.946	ng	# 97
51) 2,6-Dinitrotoluene	9.83	165	36673	8.139	ng	# 29
57) 2,4-Dinitrotoluene	9.83	165	36673	6.201	ng	# 24
71) Phenanthrene	11.34	178	327534	15.856	ng	93
72) Anthracene	11.39	178	82149	3.889	ng	96
75) Fluoranthene	12.53	202	727805	36.016	ng	97
78) Pyrene	12.76	202	671805	29.650	ng	96
81) Benzo(a)anthracene	13.94	228	338981	19.399	ng	98
83) Chrysene	13.98	228	324165	17.610	ng	97
86) Indeno(1,2,3-cd)pyrene	16.82	276	119420	8.989	ng	# 90
88) Benzo(b)fluoranthene	14.98	252	405009	30.381	ng	97
89) Benzo(k)fluoranthene	14.98	252	405009	31.795	ng	97
90) Benzo(a)pyrene	15.33	252	205216	17.071	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	24648	2.599	ng	94
92) Benzo(g,h,i)perylene	17.24	276	125731	13.507	ng	97

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

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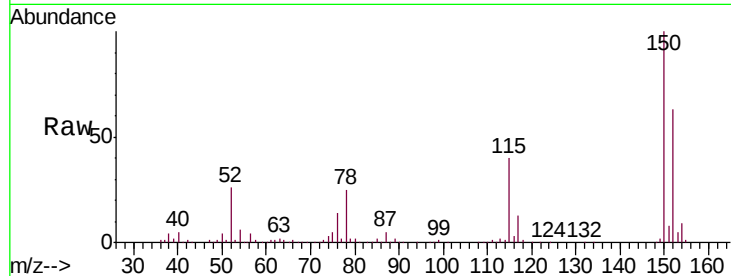


#1

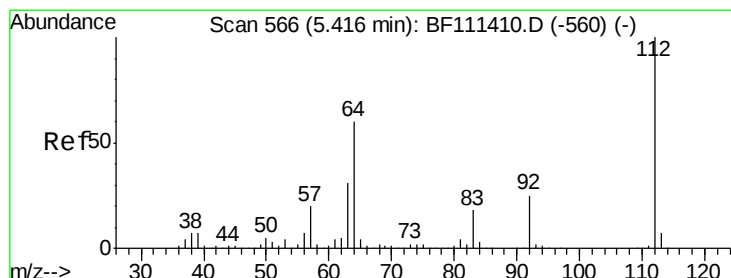
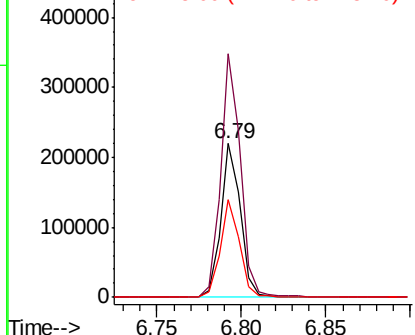
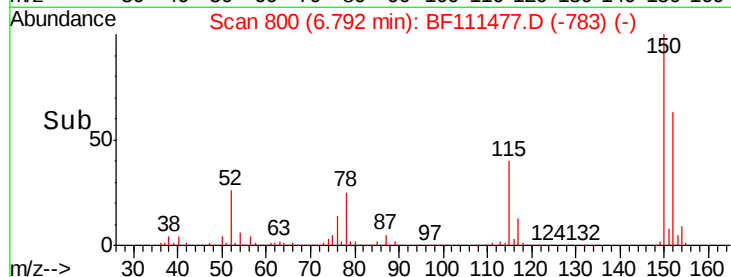
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Tgt Ion:152 Resp: 178390
Ion Ratio Lower Upper
152 100
150 158.6 126.6 189.8
115 63.9 50.7 76.1



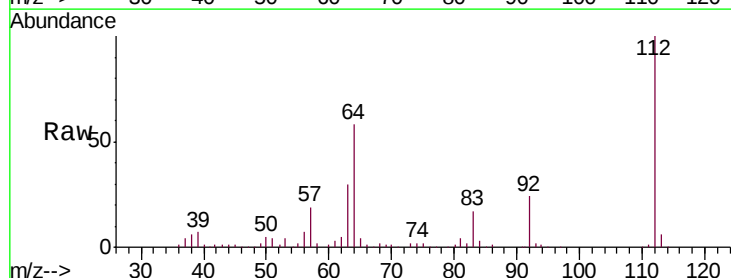
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



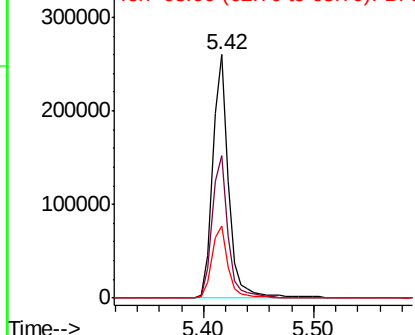
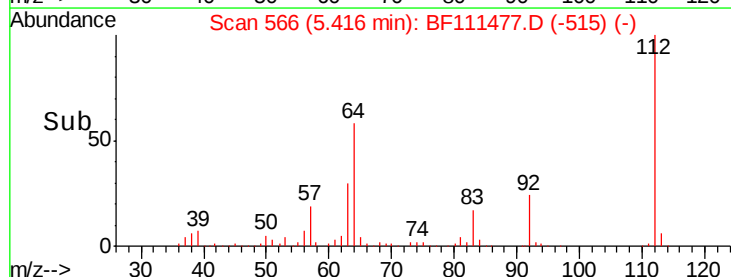
#5

2-Fluorophenol
Concen: 23.853 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Tgt Ion:112 Resp: 255711
Ion Ratio Lower Upper
112 100
64 58.5 51.8 77.6
63 29.5 26.8 40.2



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: 51.764 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

Instrument :

BNA_F

ClientSampleId :

EB07-1-2

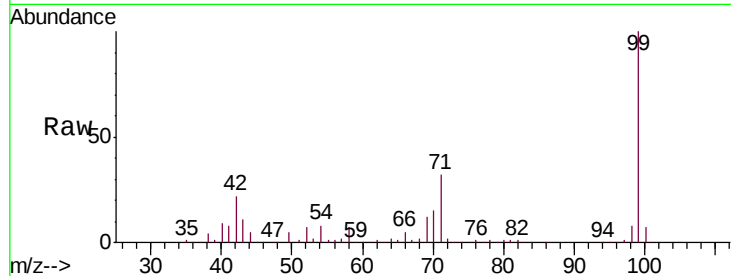
Tgt Ion: 99 Resp: 738138

Ion Ratio Lower Upper

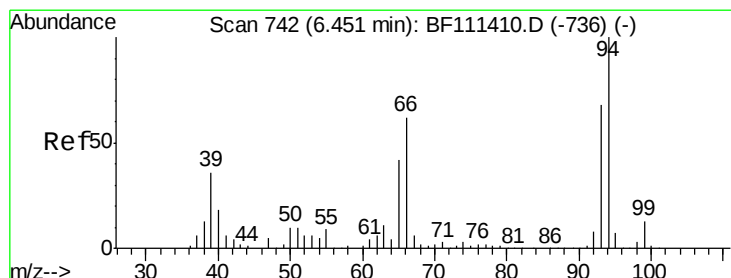
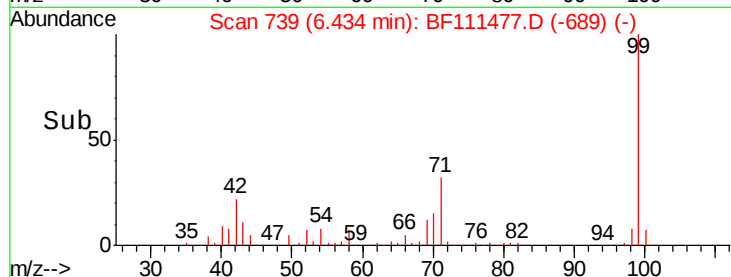
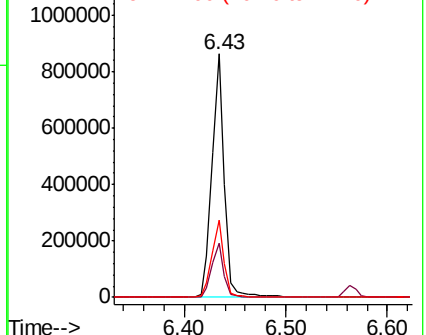
99 100

42 22.2 17.4 26.0

71 32.0 26.1 39.1



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



#10

Phenol

Concen: 2.926 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

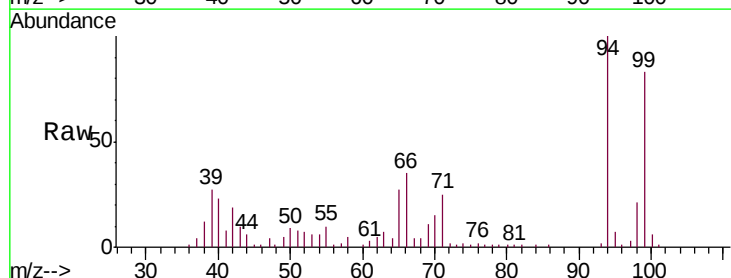
Tgt Ion: 94 Resp: 46486

Ion Ratio Lower Upper

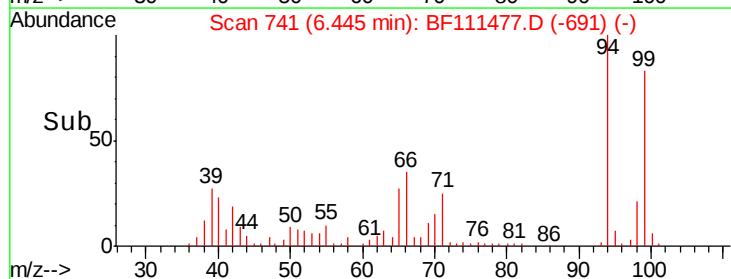
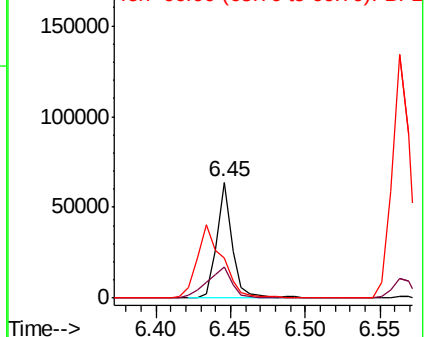
94 100

65 27.4 11.7 51.7

66 35.2 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

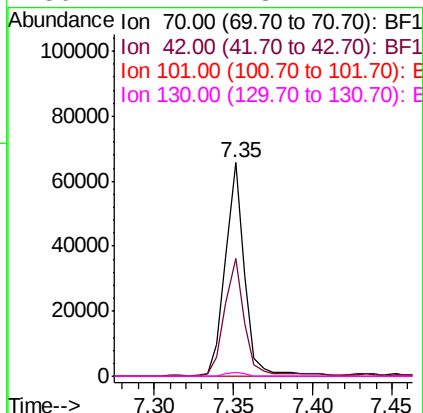
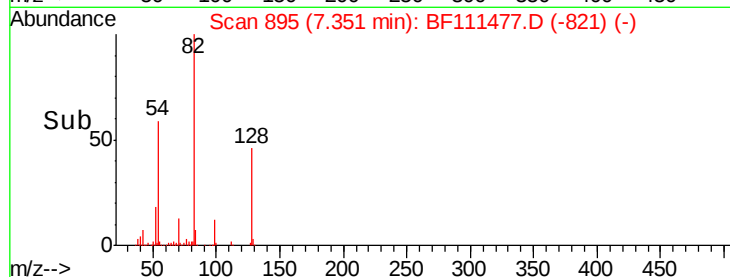
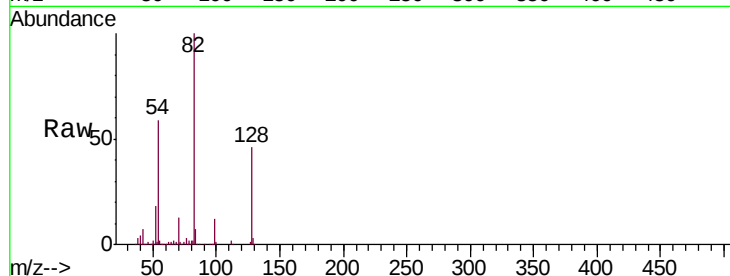




#19
n-Nitroso-di-n-propylamine
Concen: 5.907 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

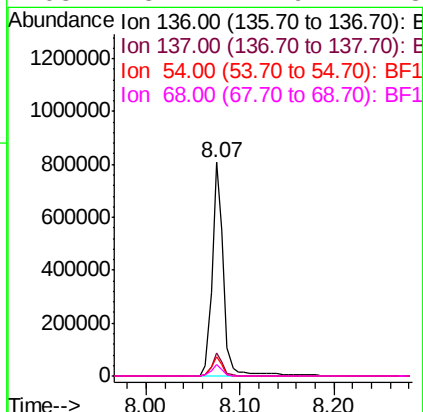
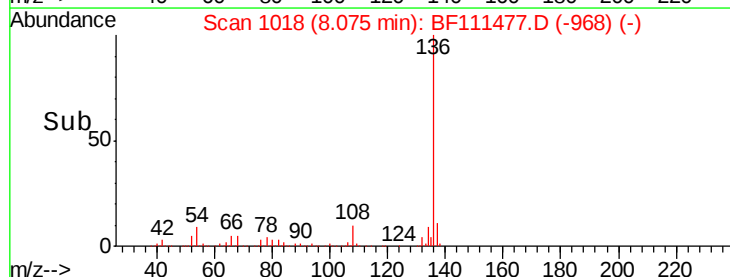
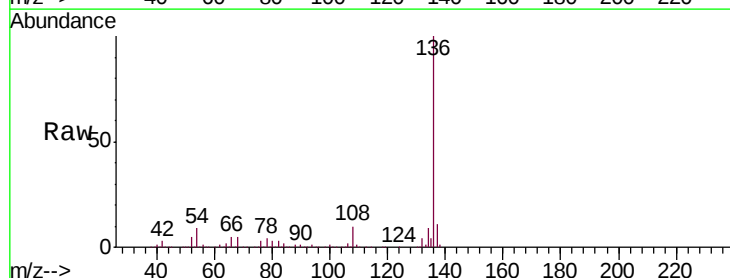
Instrument :
BNA_F
ClientSampleId :
EB07-1-2

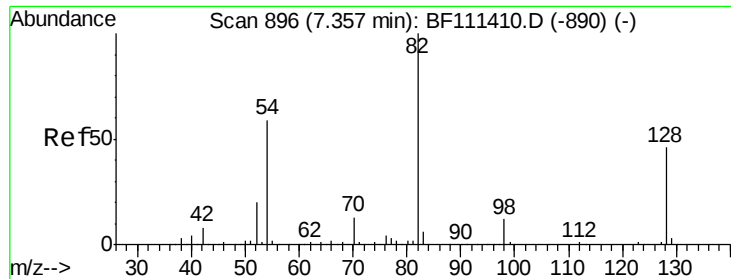
Tgt Ion: 70 Resp: 55574
Ion Ratio Lower Upper
70 100
42 55.0 53.2 79.8
101 0.0 8.2 12.4#
130 1.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Tgt Ion: 136 Resp: 697445
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 9.2 7.7 11.5
68 5.1 4.9 7.3

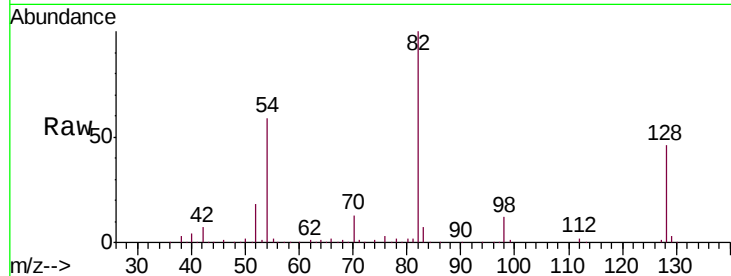




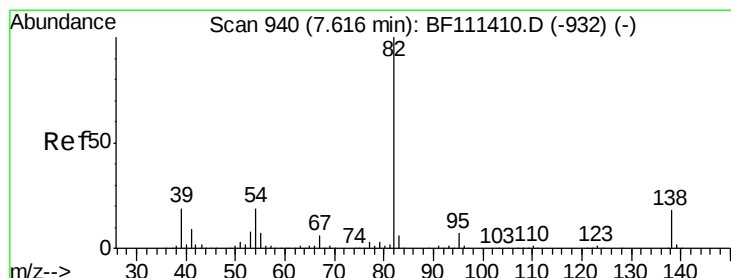
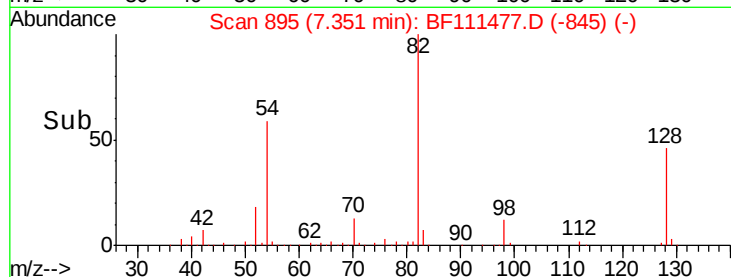
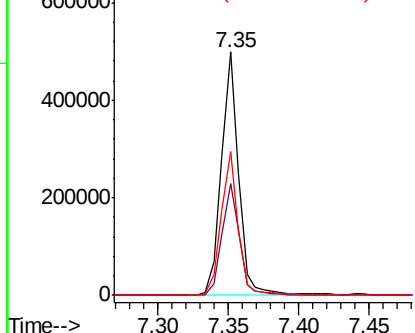
#23
Nitrobenzene-d5
Concen: 36.619 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Tgt Ion: 82 Resp: 428890
Ion Ratio Lower Upper
82 100
128 45.8 37.4 56.2
54 59.2 47.6 71.4

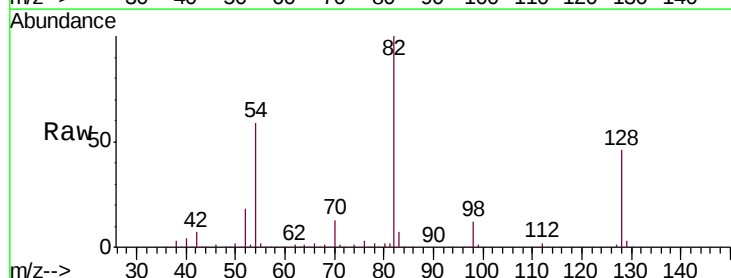


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

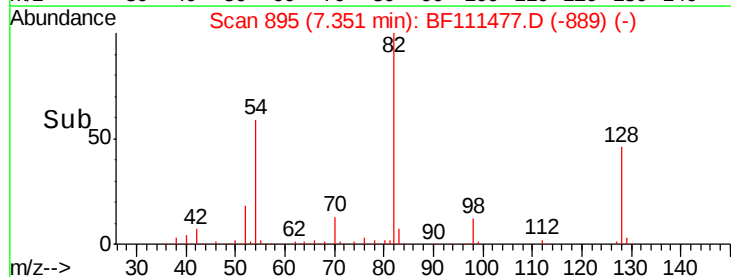
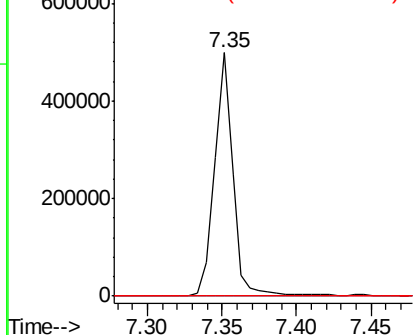


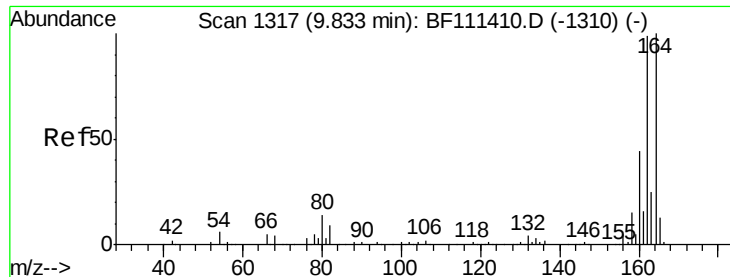
#25
Isophorone
Concen: 21.645 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Tgt Ion: 82 Resp: 428953
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

Instrument :

BNA_F

ClientSampleId :

EB07-1-2

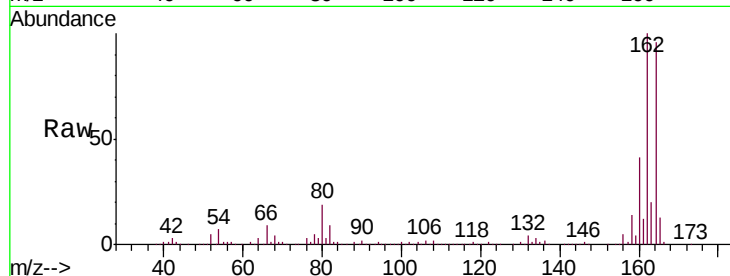
Tgt Ion:164 Resp: 277971

Ion Ratio Lower Upper

164 100

162 103.8 81.4 122.0

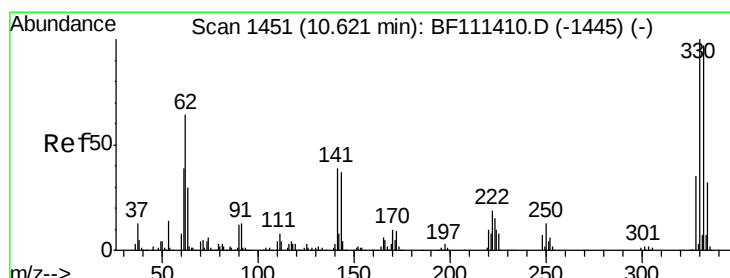
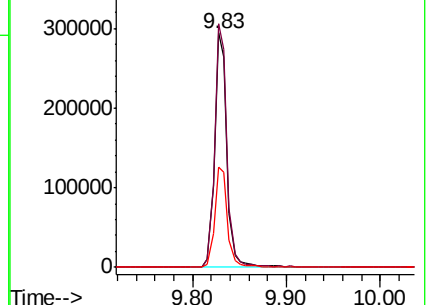
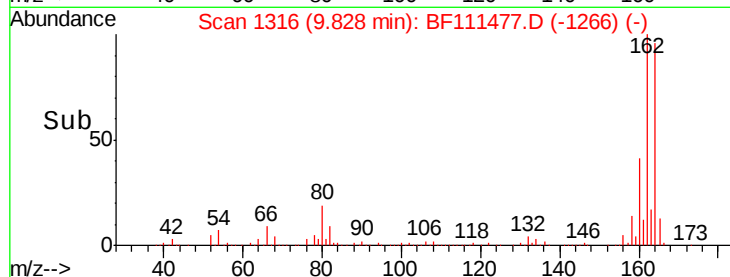
160 42.8 35.7 53.5



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: 10.902 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

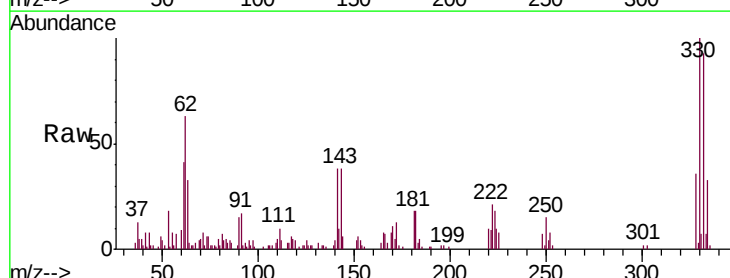
Tgt Ion:330 Resp: 27146

Ion Ratio Lower Upper

330 100

332 95.2 76.0 114.0

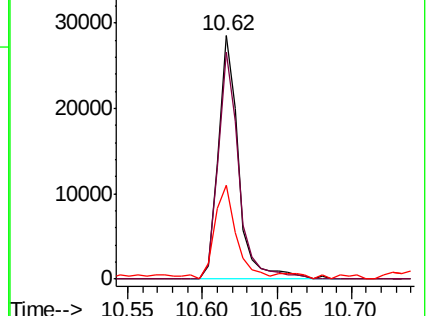
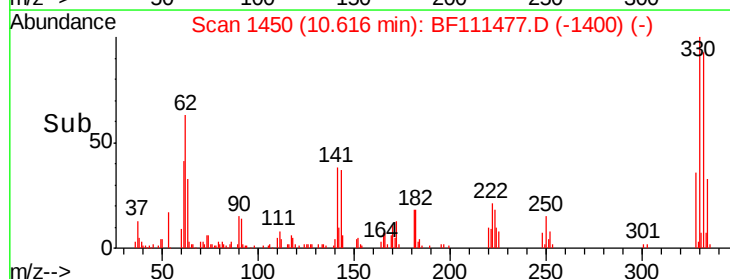
141 36.8 31.0 46.6

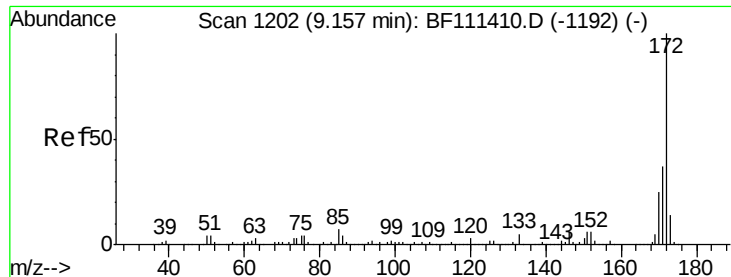


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

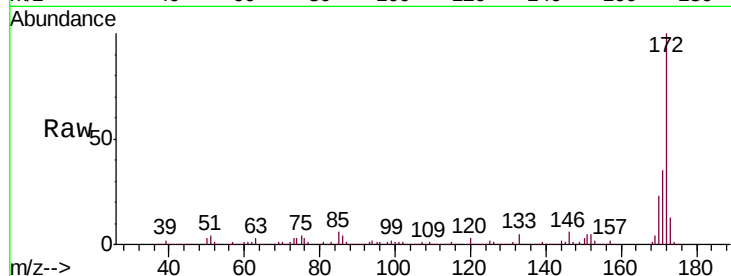




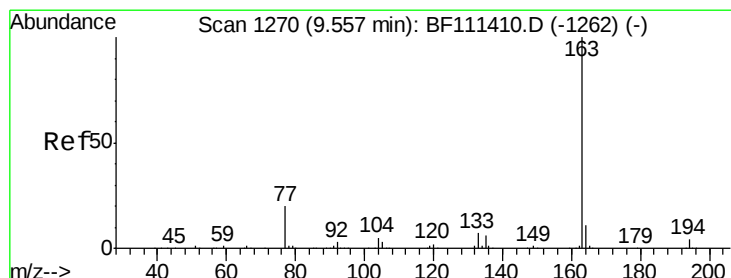
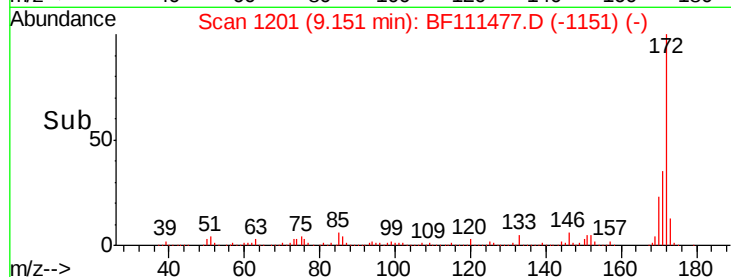
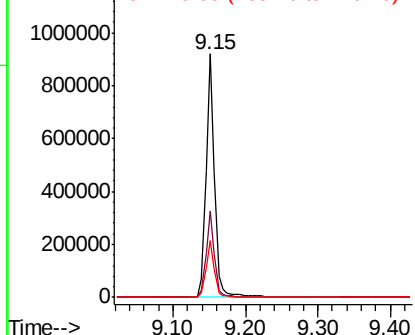
#45
2-Fluorobiphenyl
Concen: 42.569 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Instrument :
BNA_F
ClientSampleId :
EB07-1-2

Tgt Ion:172 Resp: 766074
Ion Ratio Lower Upper
172 100
171 35.3 33.0 49.4
170 23.3 22.3 33.5

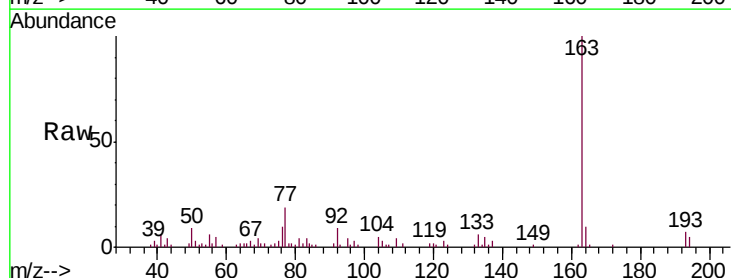


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

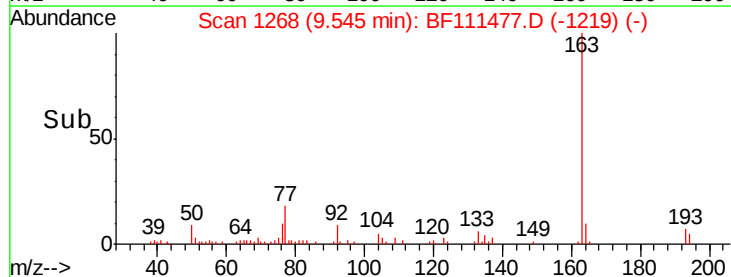
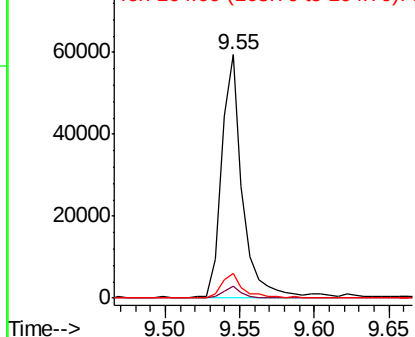


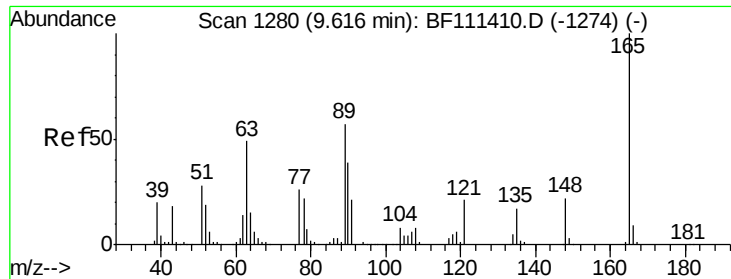
#50
Dimethylphthalate
Concen: 2.946 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Tgt Ion:163 Resp: 58968
Ion Ratio Lower Upper
163 100
194 4.7 3.0 4.6#
164 10.1 8.9 13.3



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

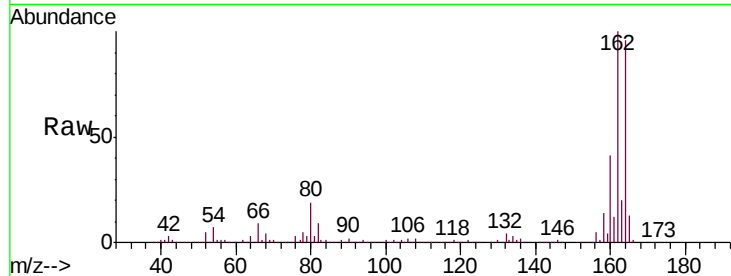




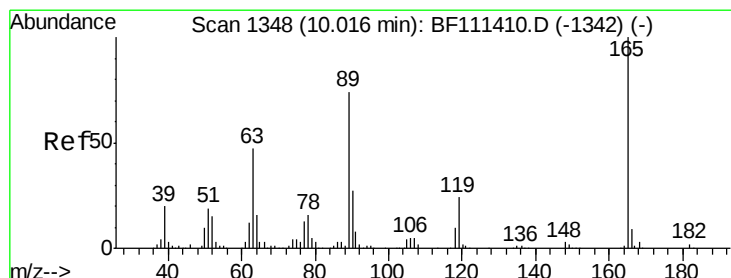
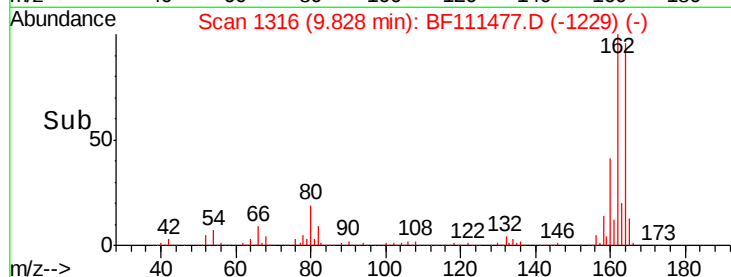
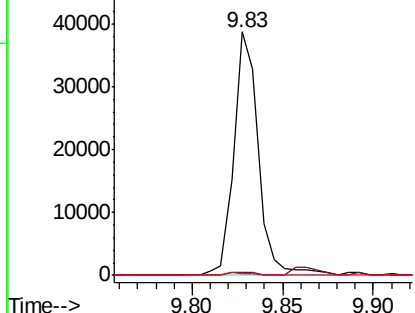
#51
 2,6-Dinitrotoluene
 Concen: 8.139 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.21 min
 Lab File: BF111477.D
 Acq: 15 Dec 2018 19:11

Instrument :
 BNA_F
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 EB07-1-2

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.5	60.7#
89	0.9	40.0	60.0#



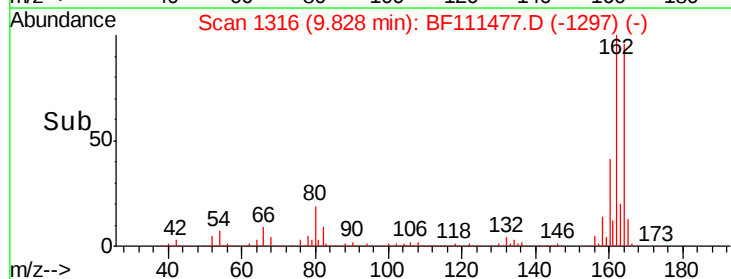
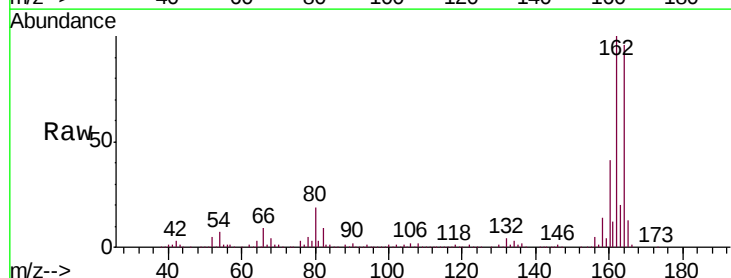
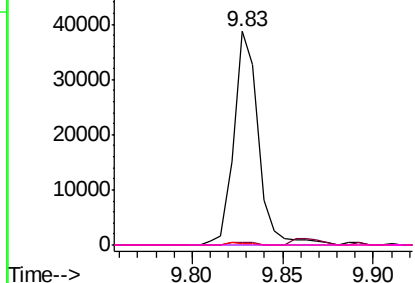
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

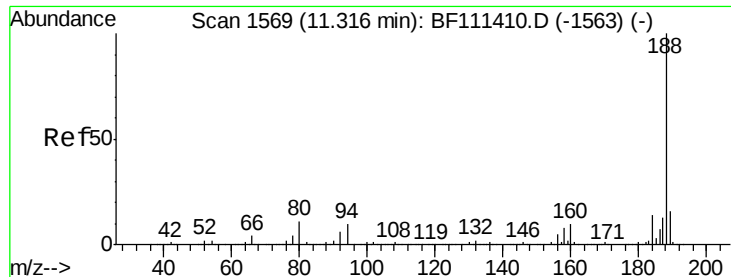


#57
 2,4-Dinitrotoluene
 Concen: 6.201 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.19 min
 Lab File: BF111477.D
 Acq: 15 Dec 2018 19:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.6	52.0#
89	0.9	56.2	84.4#
182	0.0	1.8	2.6#

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

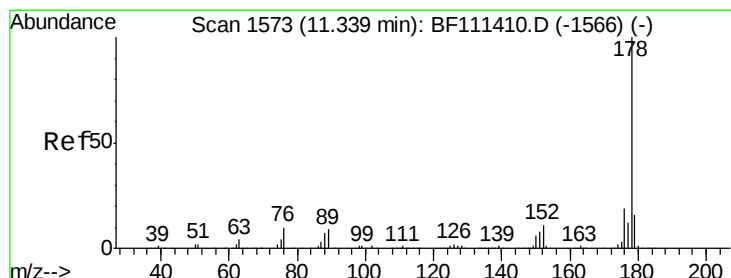
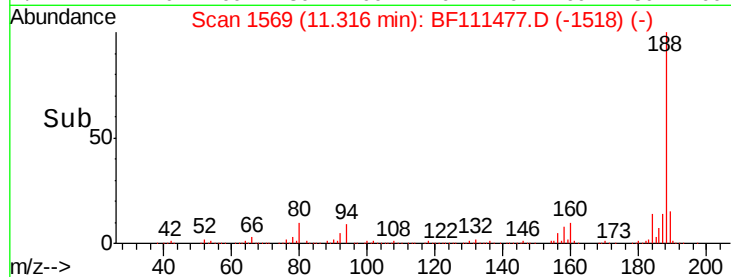
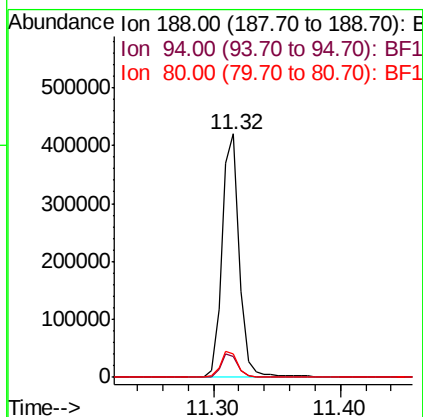
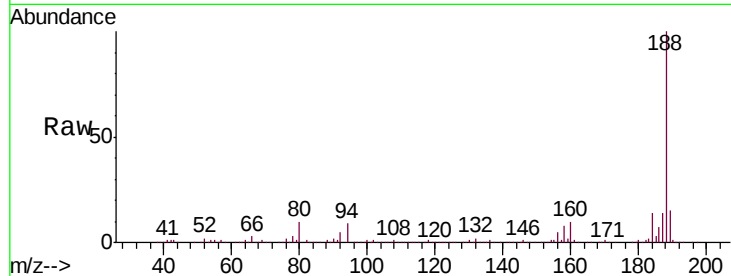




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF111477.D
 Acq: 15 Dec 2018 19:11

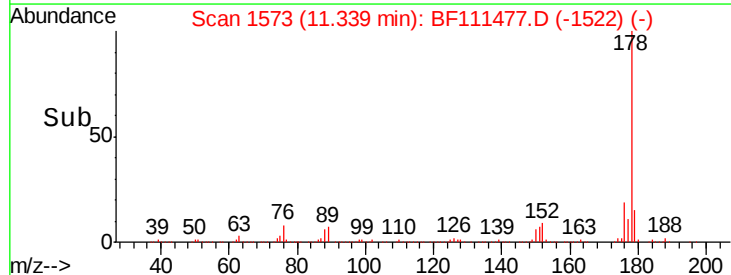
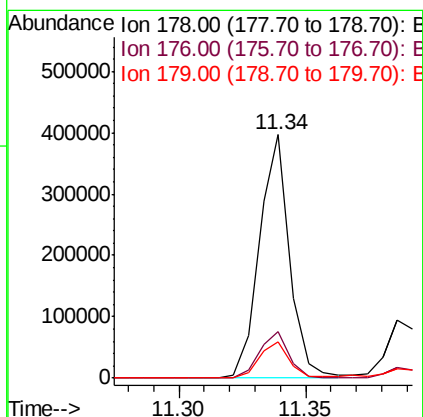
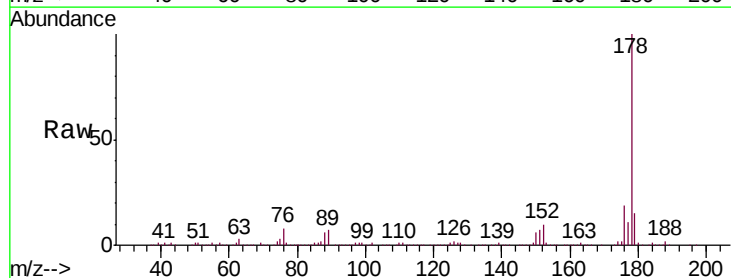
Instrument :
 BNA_F
 ClientSampled :
 EB07-1-2

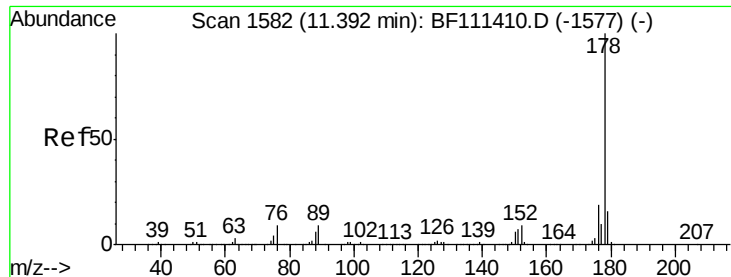
Tgt Ion:188 Resp: 400875
 Ion Ratio Lower Upper
 188 100
 94 8.8 9.6 14.4#
 80 9.6 9.8 14.6#



#71
 Phenanthrene
 Concen: 15.856 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF111477.D
 Acq: 15 Dec 2018 19:11

Tgt Ion:178 Resp: 327534
 Ion Ratio Lower Upper
 178 100
 176 18.9 18.1 27.1
 179 14.9 14.0 21.0





#72

Anthracene

Concen: 3.889 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

Instrument :

BNA_F

ClientSampled :

EB07-1-2

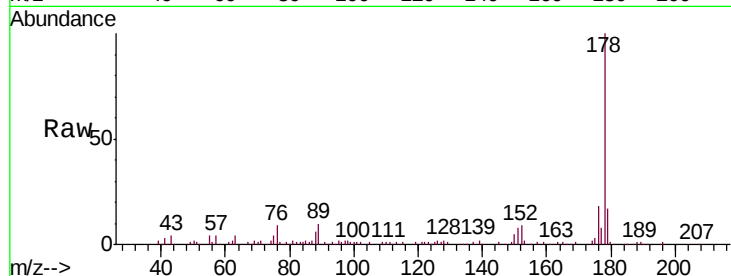
Tgt Ion:178 Resp: 82149

Ion Ratio Lower Upper

178 100

176 18.4 17.2 25.8

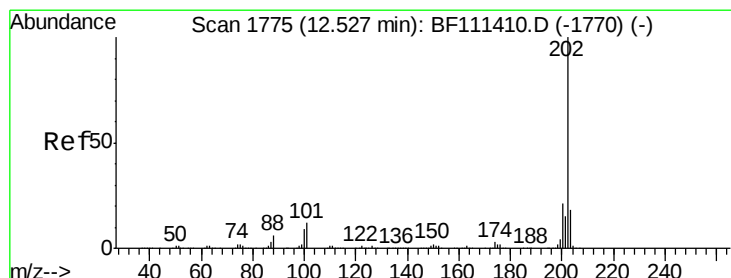
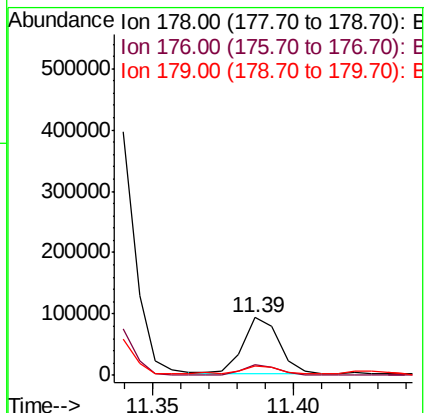
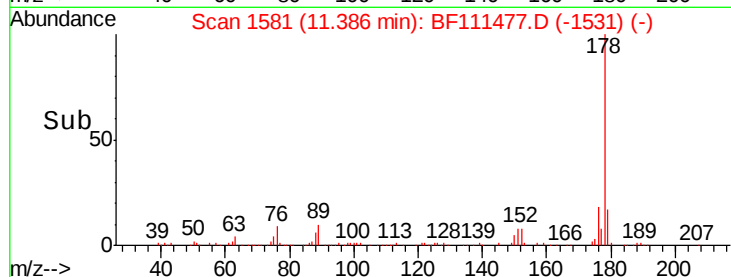
179 16.8 13.8 20.8



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: 36.016 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

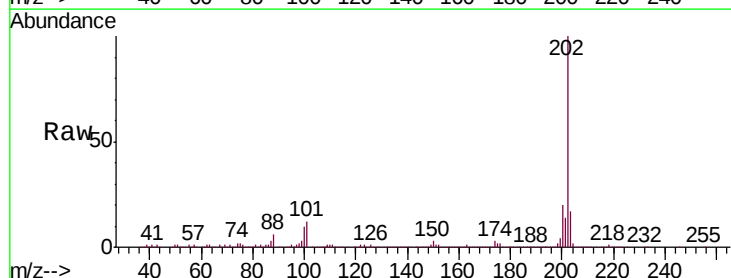
Tgt Ion:202 Resp: 727805

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.8

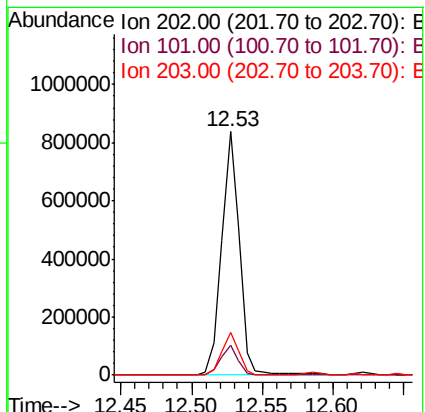
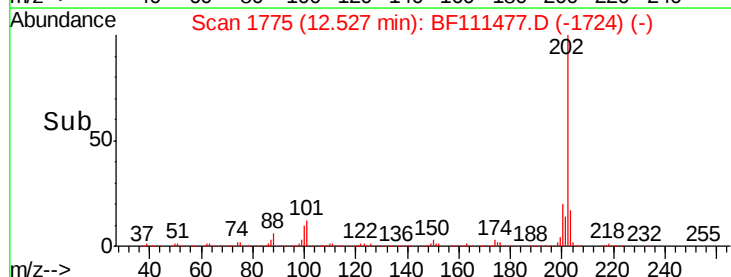
203 17.5 0.0 38.6

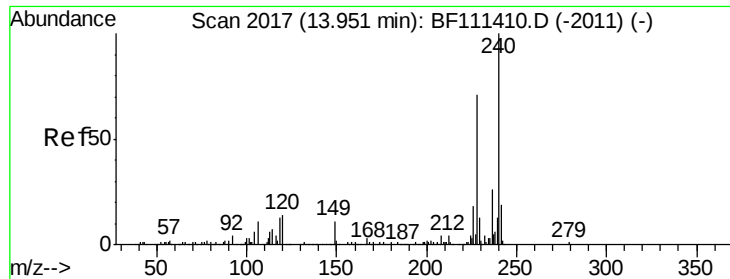


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

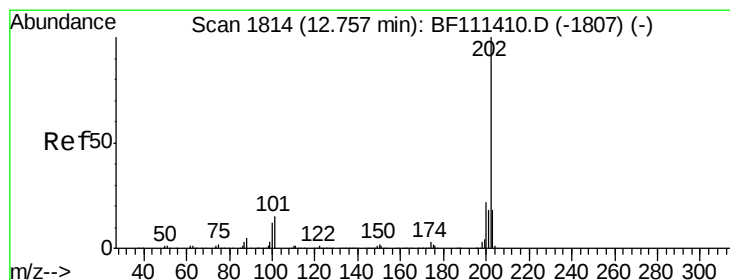
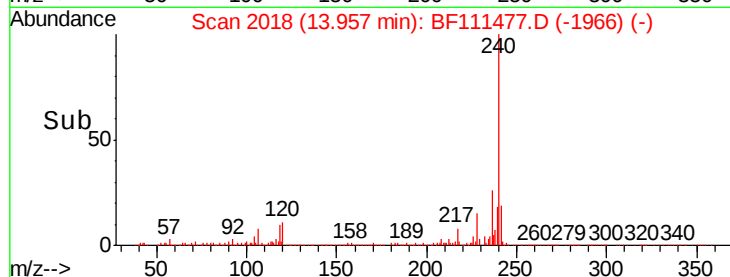
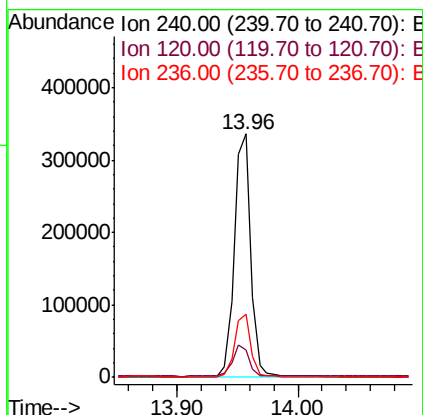
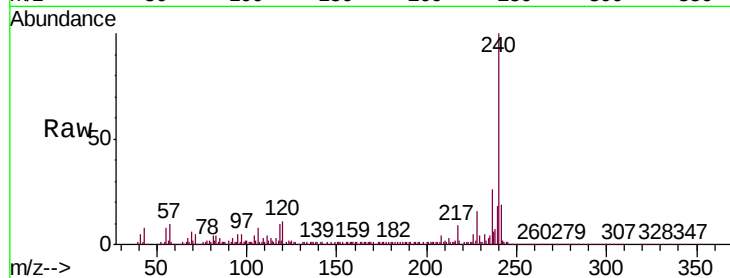




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

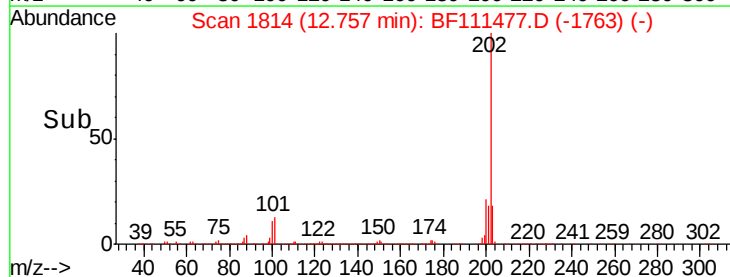
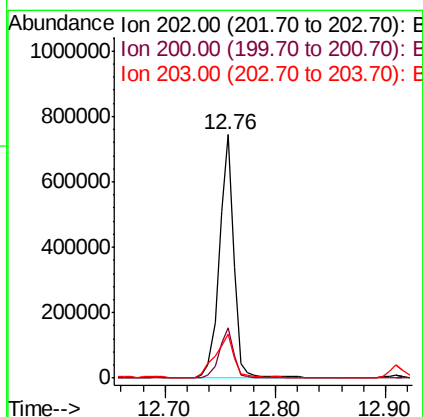
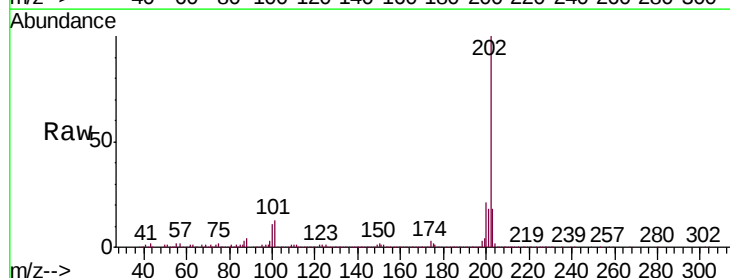
Instrument :
BNA_F
ClientSampleId :
EB07-1-2

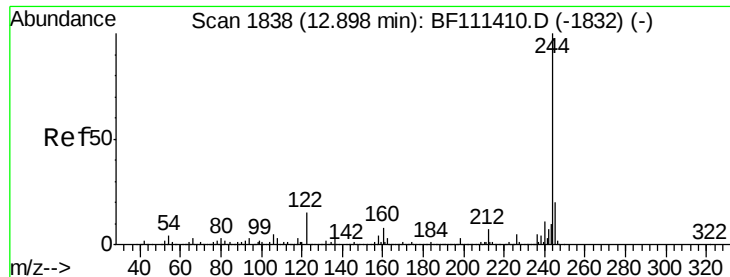
Tgt Ion:240 Resp: 321372
Ion Ratio Lower Upper
240 100
120 11.4 12.2 18.2#
236 26.0 20.2 30.2



#78
Pyrene
Concen: 29.650 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Tgt Ion:202 Resp: 671805
Ion Ratio Lower Upper
202 100
200 20.6 19.0 28.4
203 18.1 15.2 22.8





#79

Terphenyl-d14

Concen: 39.940 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

Instrument :

BNA_F

ClientSampleId :

EB07-1-2

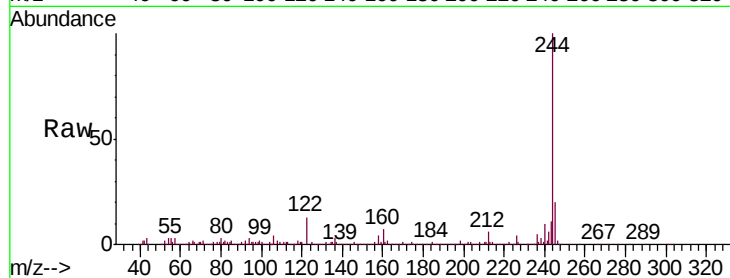
Tgt Ion:244 Resp: 546599

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

122 12.7 13.1 19.7#



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

800000

600000

400000

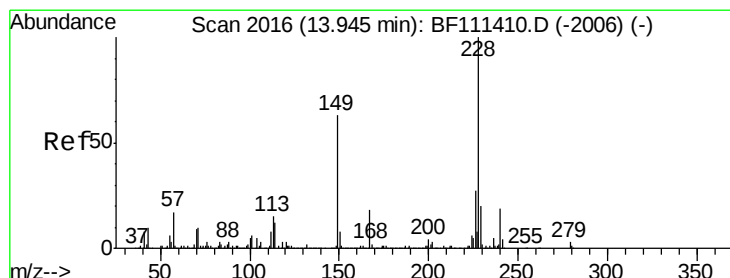
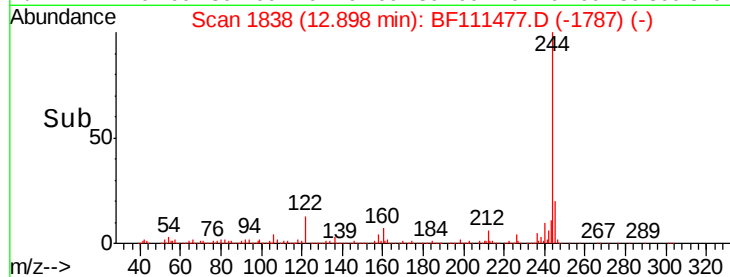
200000

0

12.90

13.00

Time-->



#81

Benzo(a)anthracene

Concen: 19.399 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

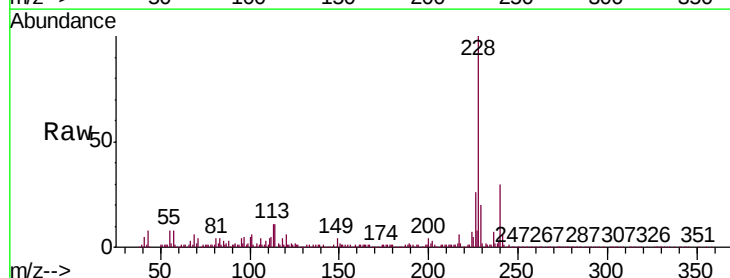
Tgt Ion:228 Resp: 338981

Ion Ratio Lower Upper

228 100

226 26.5 22.6 34.0

229 20.2 16.3 24.5



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

400000

300000

200000

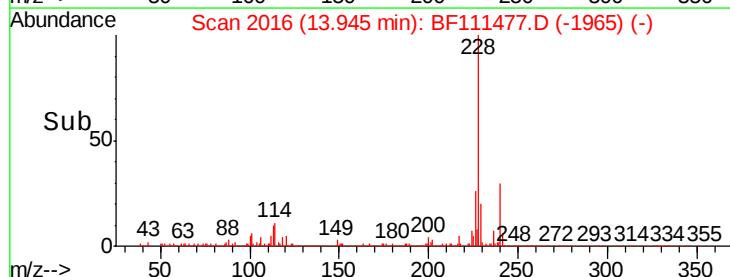
100000

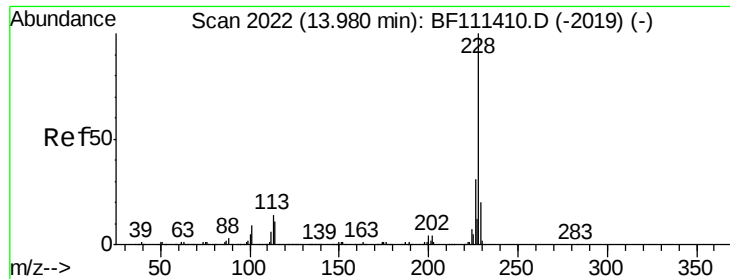
0

13.94

13.95

Time-->





#83

Chrysene

Concen: 17.610 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

Instrument :

BNA_F

ClientSampleId :

EB07-1-2

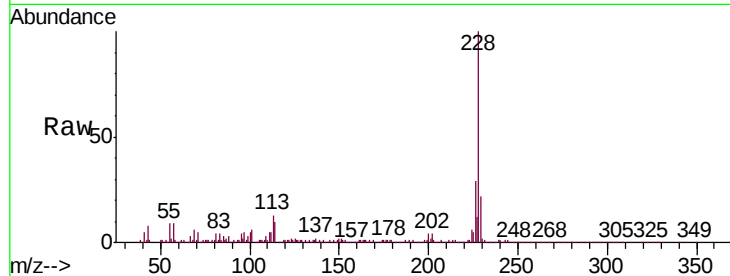
Tgt Ion:228 Resp: 324165

Ion Ratio Lower Upper

228 100

226 29.2 25.3 37.9

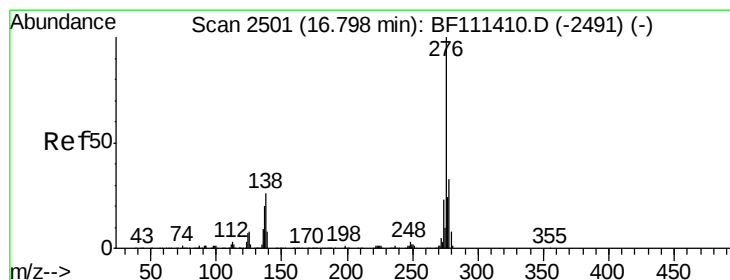
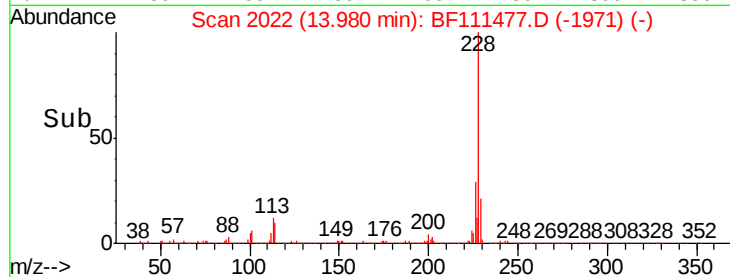
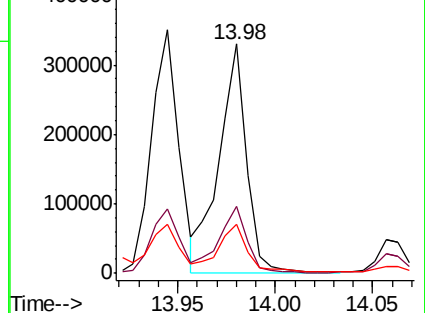
229 21.6 17.2 25.8



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: 8.989 ng

RT: 16.82 min Scan# 2504

Delta R.T. 0.02 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

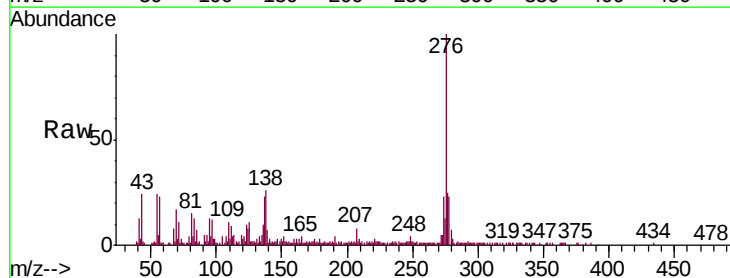
Tgt Ion:276 Resp: 119420

Ion Ratio Lower Upper

276 100

138 26.0 27.8 41.6#

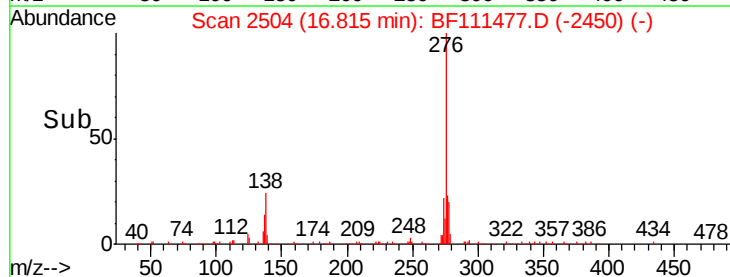
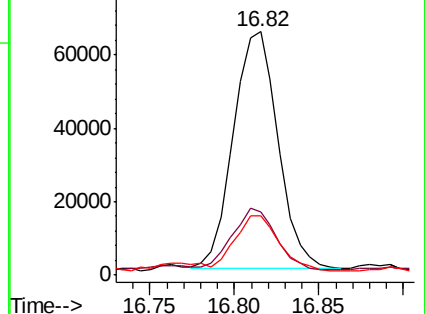
277 23.9 20.1 30.1

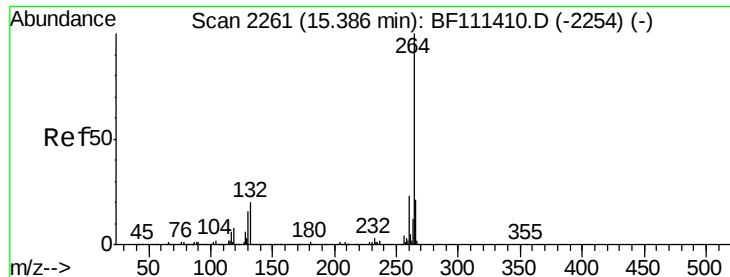


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

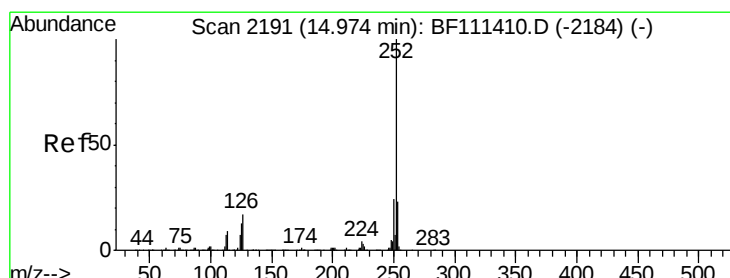
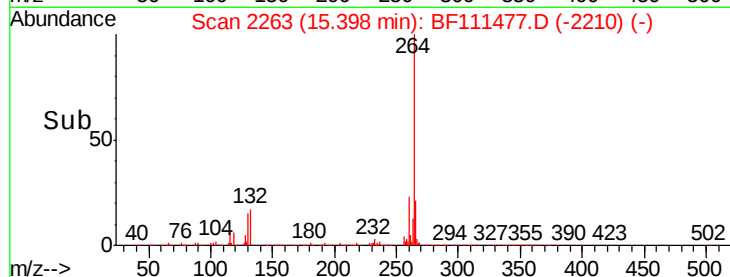
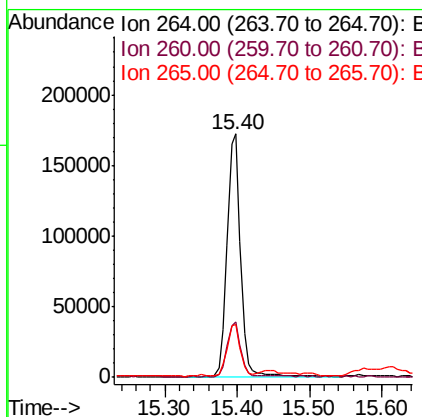
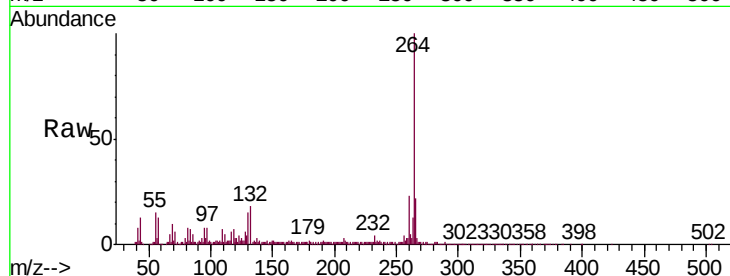




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

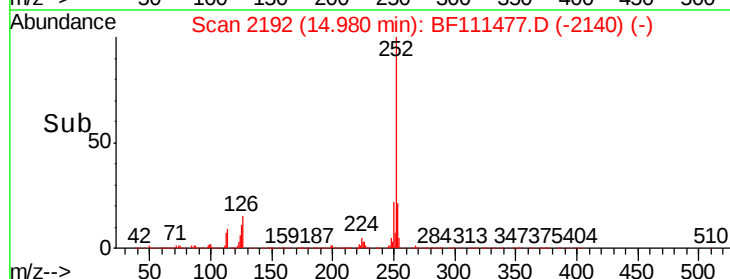
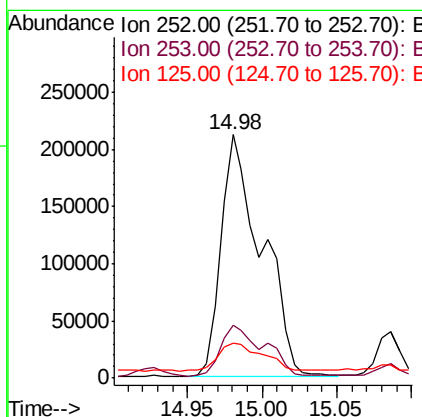
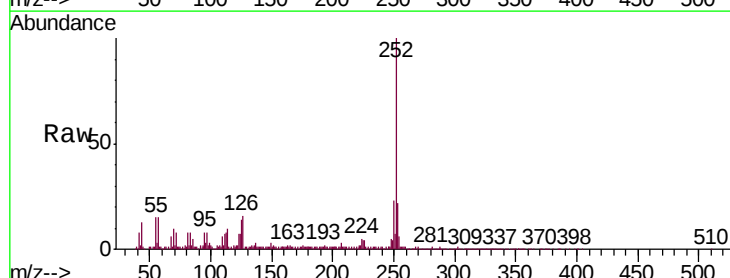
Instrument :
BNA_F
ClientSampleId :
EB07-1-2

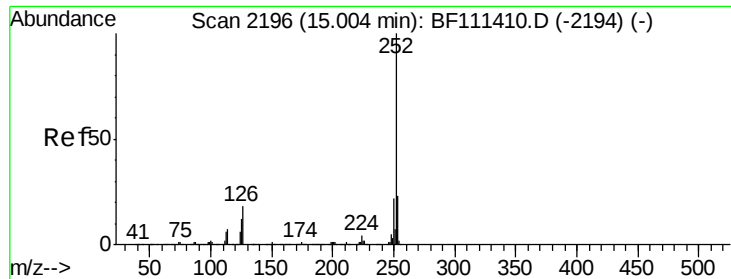
Tgt Ion:264 Resp: 228657
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 21.9 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 30.381 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Tgt Ion:252 Resp: 405009
Ion Ratio Lower Upper
252 100
253 21.7 18.2 27.2
125 14.5 10.4 15.6

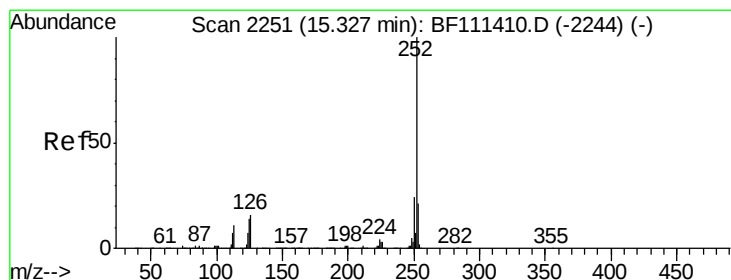
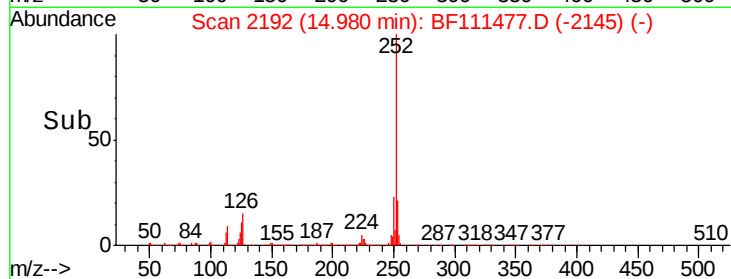
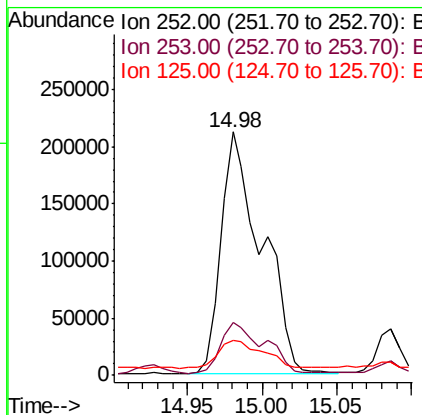
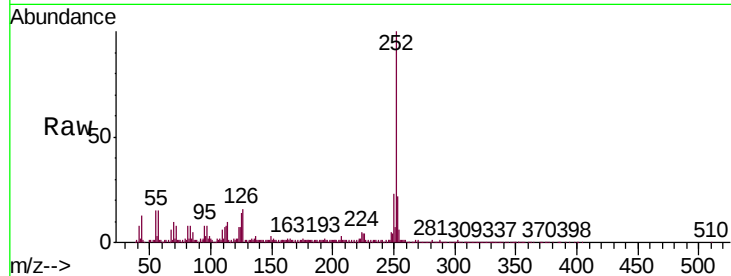




#89
Benzo(k)fluoranthene
Concen: 31.795 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.02 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

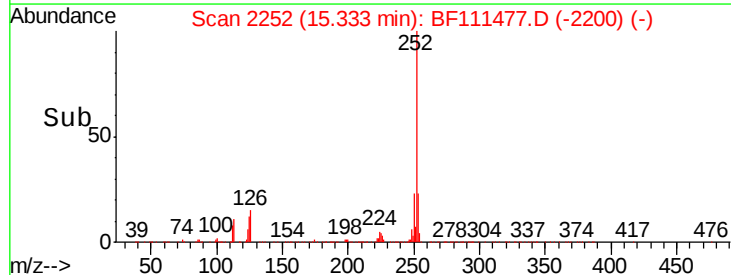
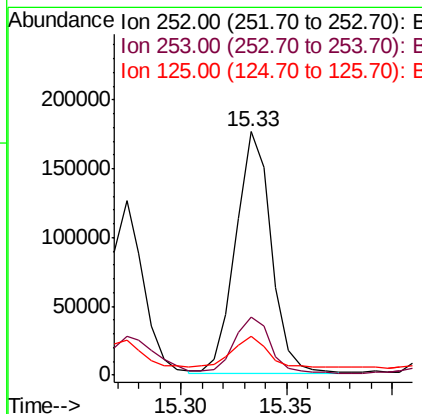
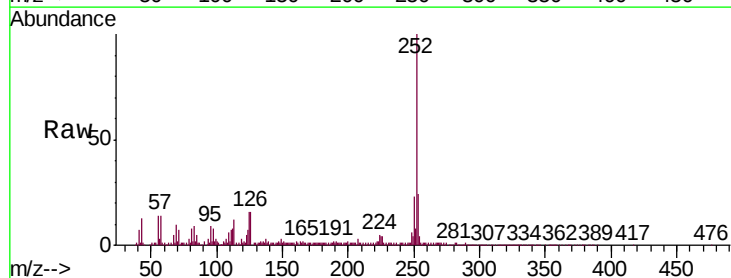
Instrument :
BNA_F
ClientSampleId :
EB07-1-2

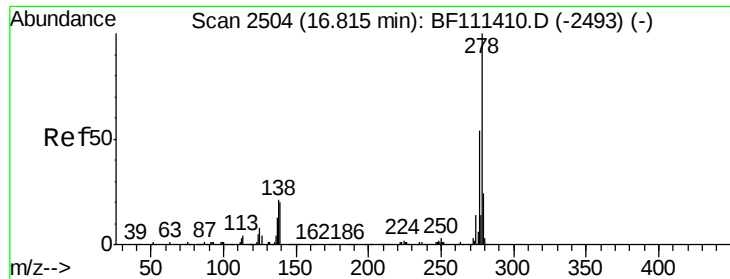
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	14.5	9.8	14.8



#90
Benzo(a)pyrene
Concen: 17.071 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF111477.D
Acq: 15 Dec 2018 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	15.7	12.3	18.5





#91

Dibenzo(a,h)anthracene

Concen: 2.599 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.16 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

Instrument :

BNA_F

ClientSampleId :

EB07-1-2

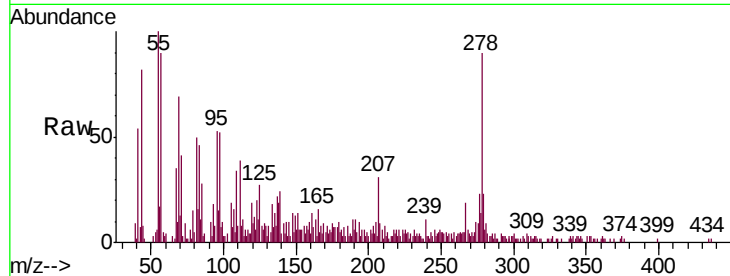
Tgt Ion:278 Resp: 24648

Ion Ratio Lower Upper

278 100

139 26.8 18.2 27.4

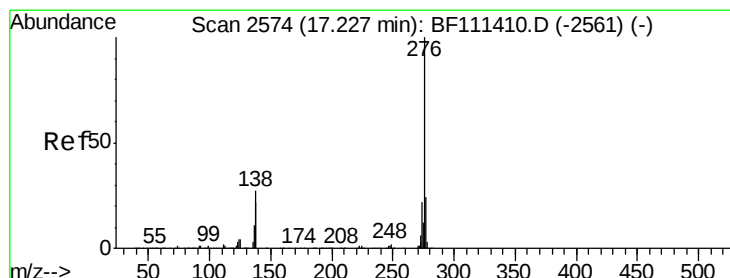
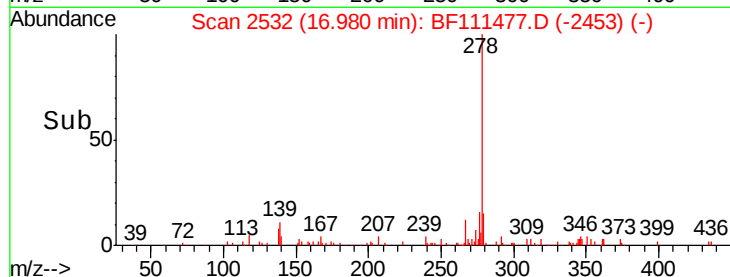
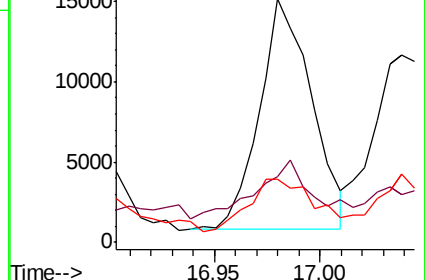
279 26.0 19.0 28.6



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: 13.507 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.01 min

Lab File: BF111477.D

Acq: 15 Dec 2018 19:11

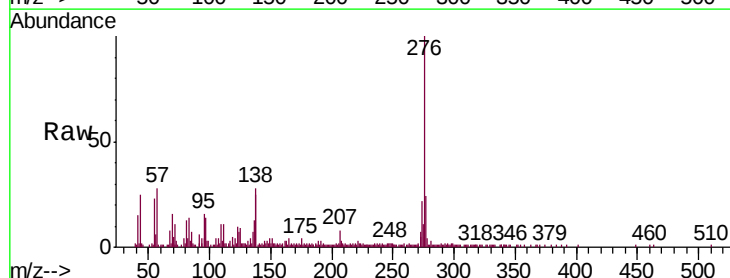
Tgt Ion:276 Resp: 125731

Ion Ratio Lower Upper

276 100

277 24.2 19.2 28.8

138 27.9 24.9 37.3



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

