

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087078.D
 Acq On : 16 May 2016 13:42
 Operator : UM/SJ
 Sample : H2968-09RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02RE

Quant Time: May 17 00:52:01 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	185514	20.00	ng	-0.09
21) Naphthalene-d8	7.90	136	743140	20.00	ng	-0.09
38) Acenaphthene-d10	9.64	164	319536	20.00	ng	-0.09
63) Phenanthrene-d10	11.12	188	487909	20.00	ng	-0.09
75) Chrysene-d12	13.75	240	381892	20.00	ng	-0.09
86) Perylene-d12	15.11	264	333025	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	440471	40.21	ng	-0.09
7) Phenol-d6	6.27	99	726386	49.62	ng	-0.09
23) Nitrobenzene-d5	7.18	82	456421	30.84	ng	-0.09
41) 2,4,6-Tribromophenol	10.43	330	173164	51.19	ng	-0.09
44) 2-Fluorobiphenyl	8.97	172	704136	37.04	ng	-0.09
78) Terphenyl-d14	12.71	244	726675	40.37	ng	-0.09

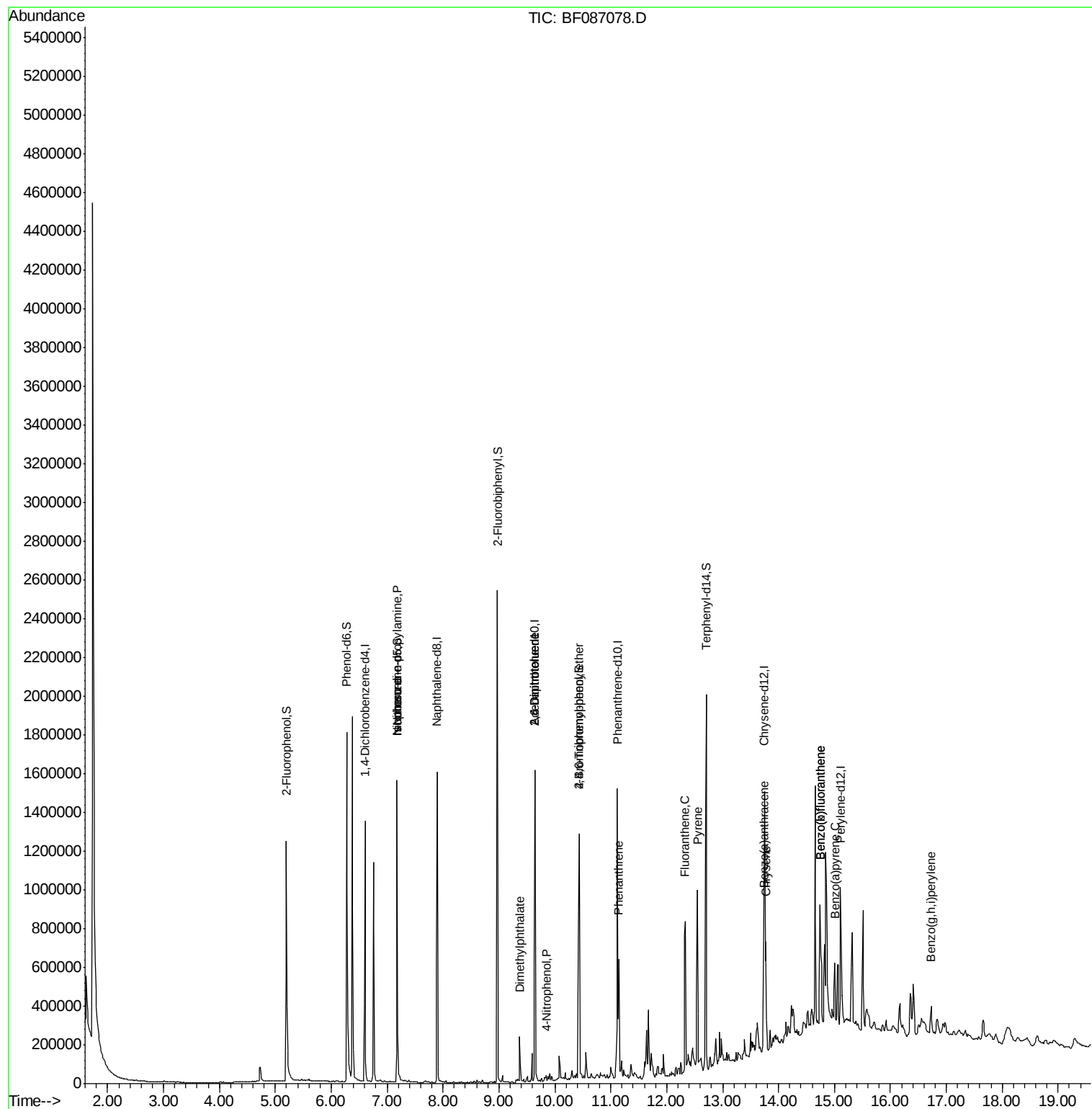
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.18	70	64024	6.26	ng	# 72
25) Isophorone	7.18	82	420252	15.30	ng	# 68
49) Dimethylphthalate	9.37	163	85441	3.50	ng	99
50) 2,6-Dinitrotoluene	9.64	165	41627	8.11	ng	# 21
55) 4-Nitrophenol	9.85	139	2706	5.27	ng	# 14
56) 2,4-Dinitrotoluene	9.64	165	41629	6.56	ng	# 16
66) 4-Bromophenyl-phenylether	10.43	248	10508	2.12	ng	# 1
70) Phenanthrene	11.14	178	192871	7.41	ng	99
74) Fluoranthene	12.33	202	438632	16.38	ng	91
77) Pyrene	12.55	202	358679	12.27	ng	99
80) Benzo(a)anthracene	13.74	228	216787	10.11	ng	95
82) Chrysene	13.77	228	183276	8.40	ng	98
87) Benzo(b)fluoranthene	14.74	252	393269	18.17	ng	98
88) Benzo(k)fluoranthene	14.74	252	393269	22.19	ng	99
89) Benzo(a)pyrene	15.01	252	139713	7.48	ng	98
91) Benzo(g,h,i)perylene	16.73	276	107369	6.72	ng	# 93

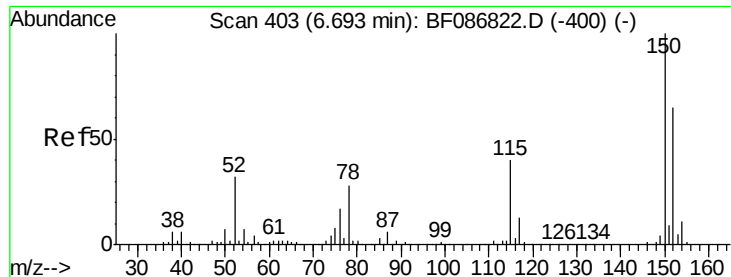
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

ClientSampleId :

SS-02RE

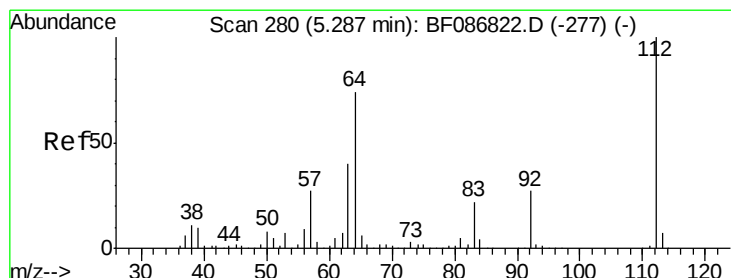
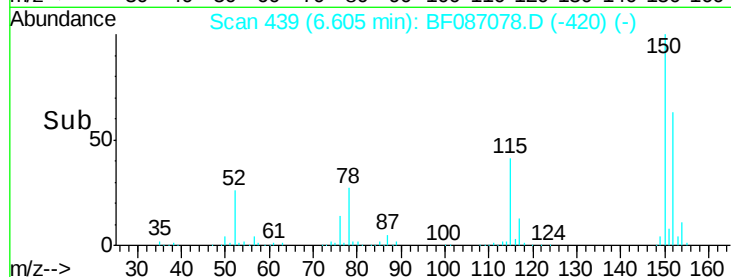
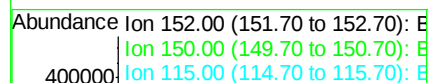
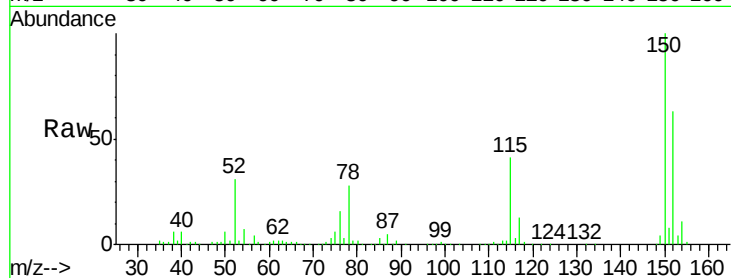
Tgt Ion:152 Resp: 185514

Ion Ratio Lower Upper

152 100

150 158.3 125.8 188.6

115 64.2 51.5 77.3



#5

2-Fluorophenol

Concen: 40.21 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

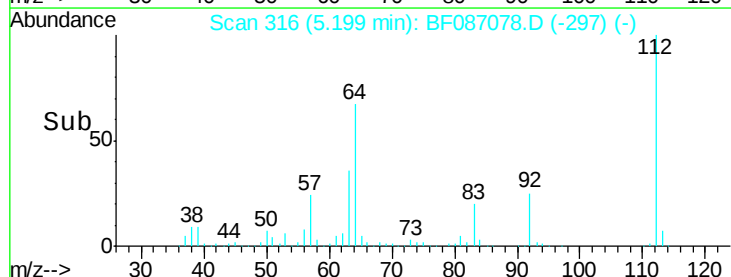
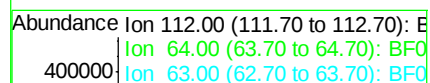
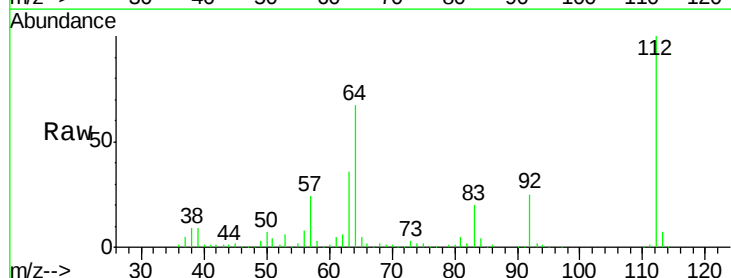
Tgt Ion:112 Resp: 440471

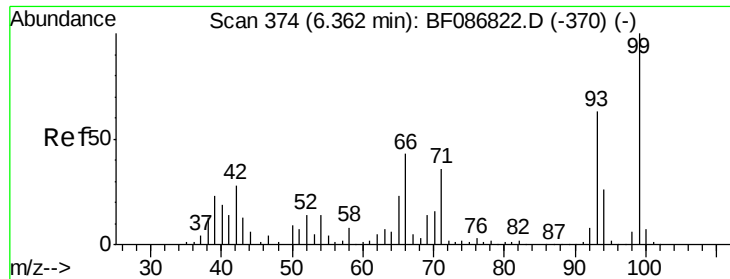
Ion Ratio Lower Upper

112 100

64 66.7 52.1 78.1

63 36.0 25.7 38.5





#7

Phenol-d6

Concen: 49.62 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

ClientSampleId :

SS-02RE

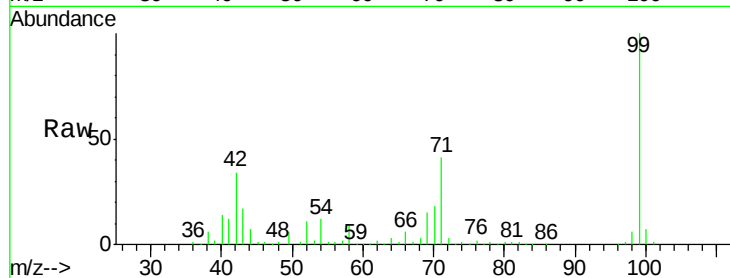
Tgt Ion: 99 Resp: 726386

Ion Ratio Lower Upper

99 100

42 34.0 13.6 20.4#

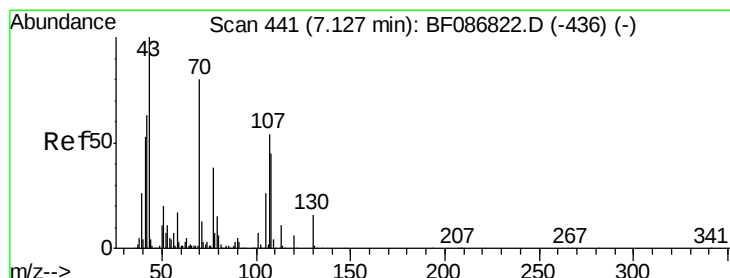
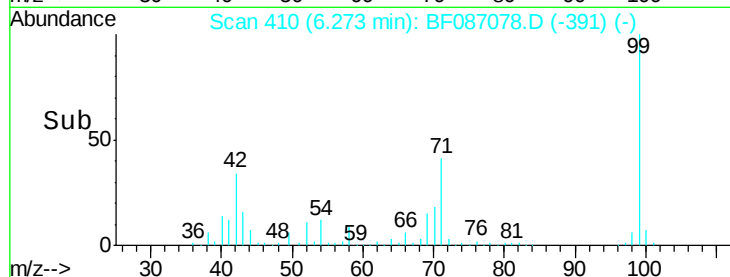
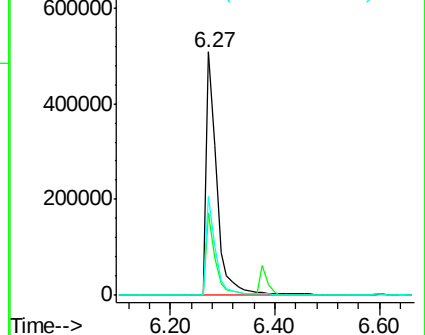
71 40.6 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 6.26 ng

RT: 7.18 min Scan# 489

Delta R.T. 0.05 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion: 70 Resp: 64024

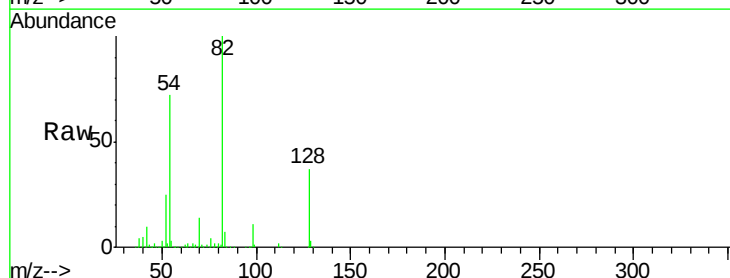
Ion Ratio Lower Upper

70 100

42 68.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

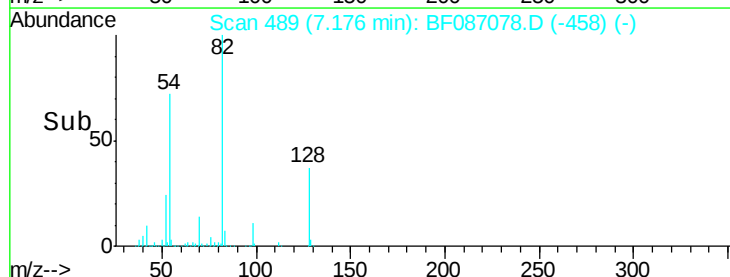
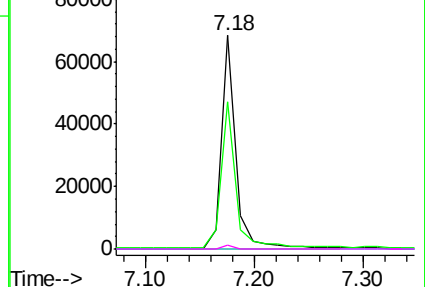


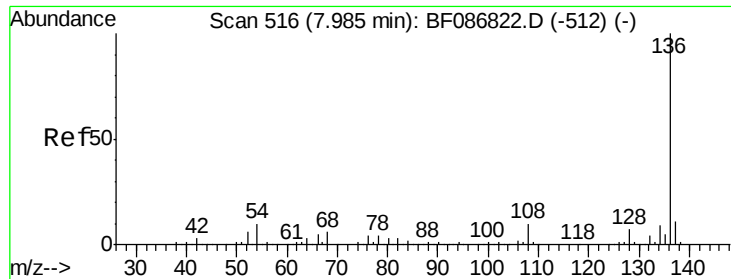
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

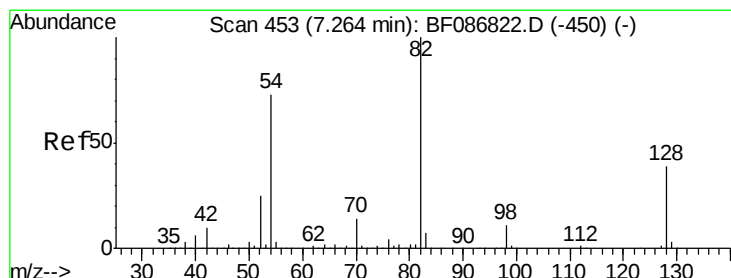
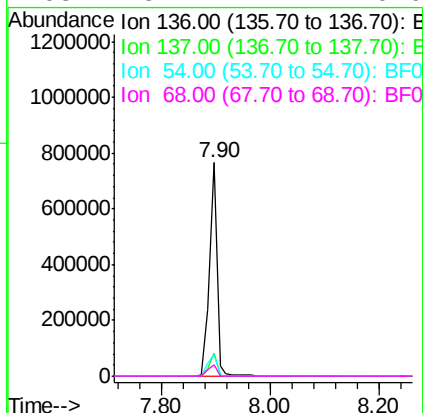
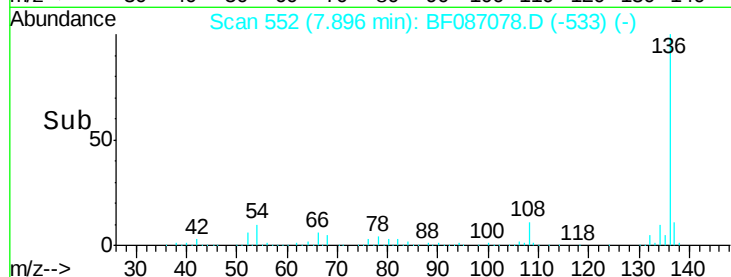
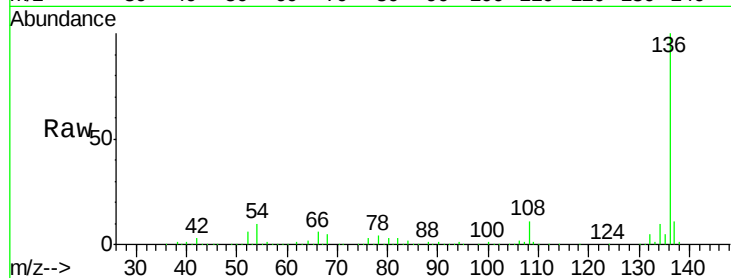




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 552
Delta R.T. -0.09 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

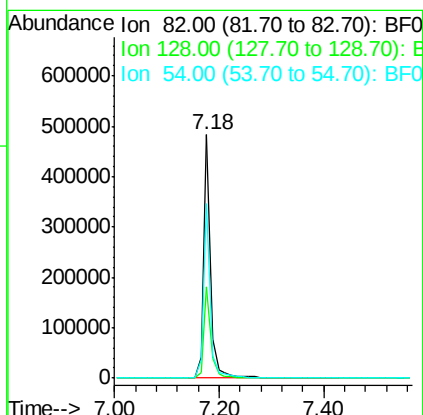
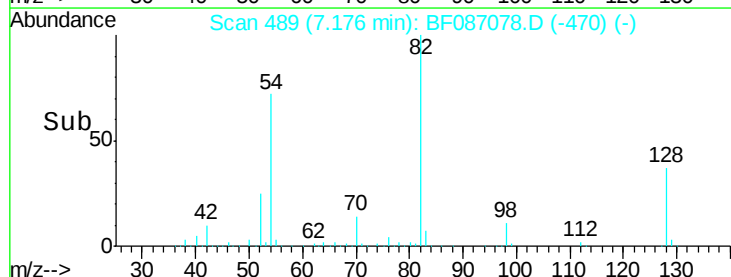
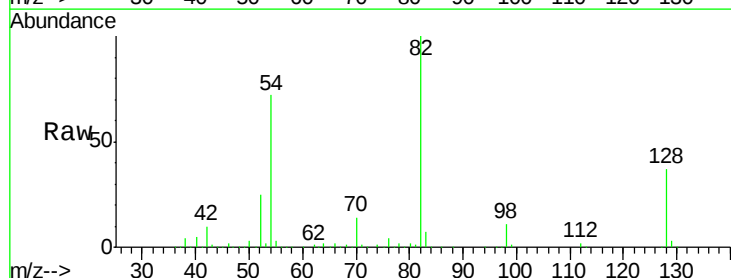
Instrument :
BNA_F
ClientSampleId :
SS-02RE

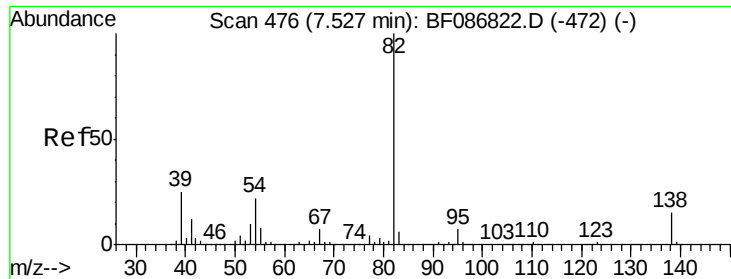
Tgt Ion:	136	Resp:	743140
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	10.0	5.0	7.4#
68	5.4	4.4	6.6



#23
Nitrobenzene-d5
Concen: 30.84 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.09 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion:	82	Resp:	456421
Ion	Ratio	Lower	Upper
82	100		
128	37.4	40.6	61.0#
54	71.6	38.1	57.1#

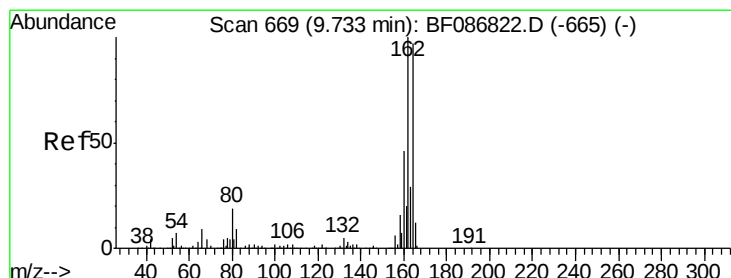
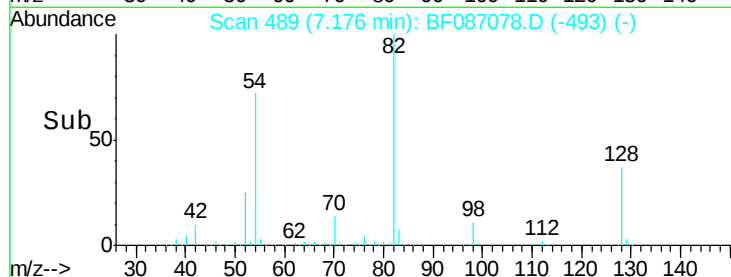
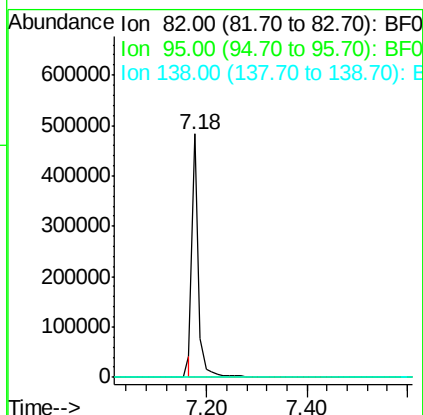
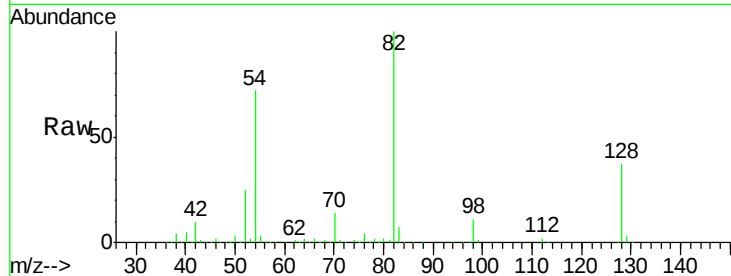




#25
Isophorone
Concen: 15.30 ng
RT: 7.18 min Scan# 489
Delta R.T. -0.35 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

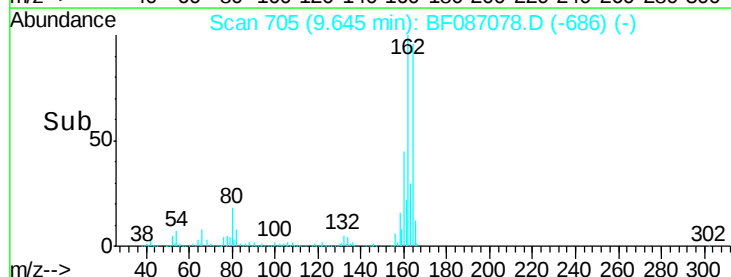
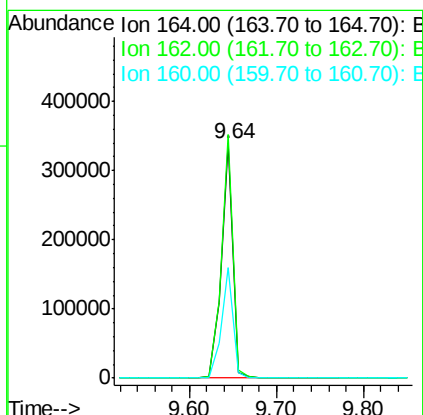
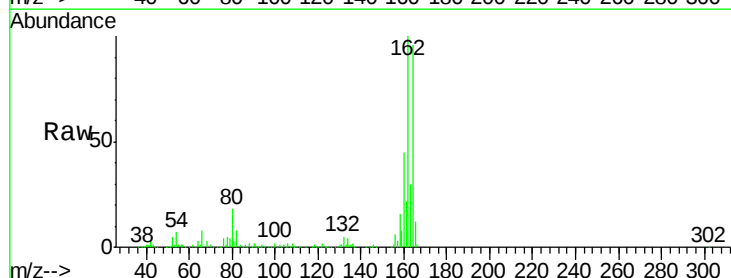
Instrument :
BNA_F
ClientSampleId :
SS-02RE

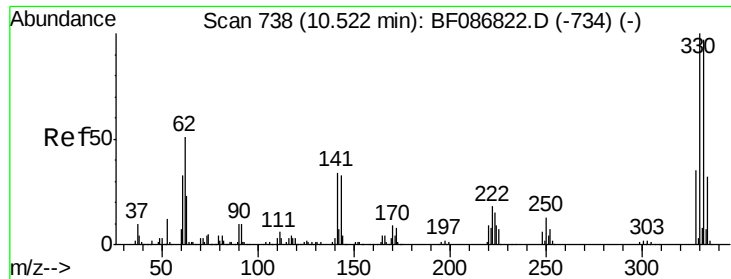
Tgt Ion: 82 Resp: 420252
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 12.4 18.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.64 min Scan# 705
Delta R.T. -0.09 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion: 164 Resp: 319536
Ion Ratio Lower Upper
164 100
162 104.0 82.8 124.2
160 47.3 36.9 55.3

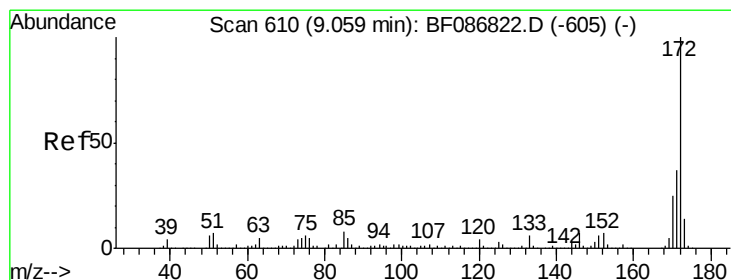
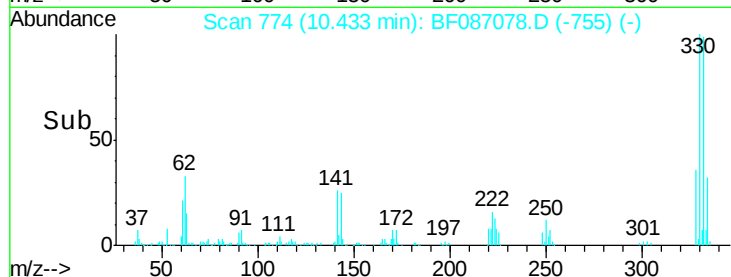
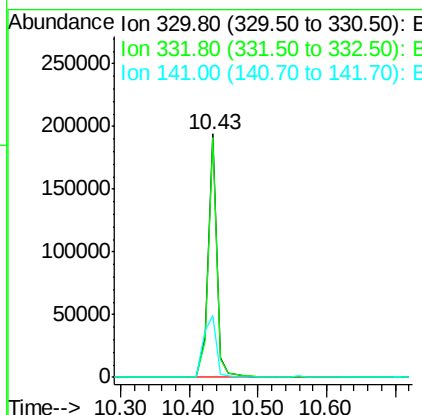
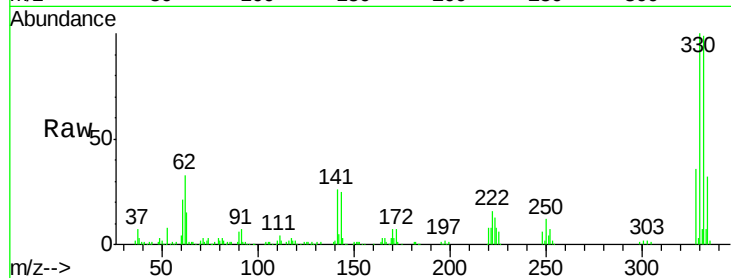




#41
 2,4,6-Tribromophenol
 Concen: 51.19 ng
 RT: 10.43 min Scan# 774
 Delta R.T. -0.09 min
 Lab File: BF087078.D
 Acq: 16 May 2016 13:42

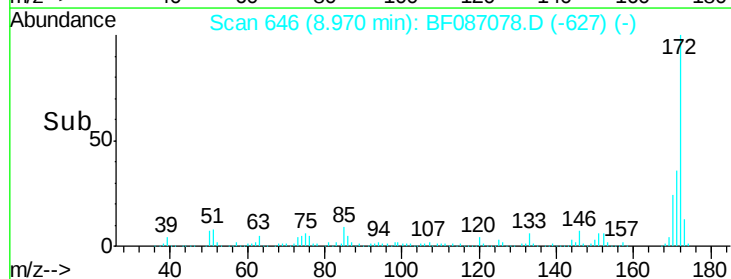
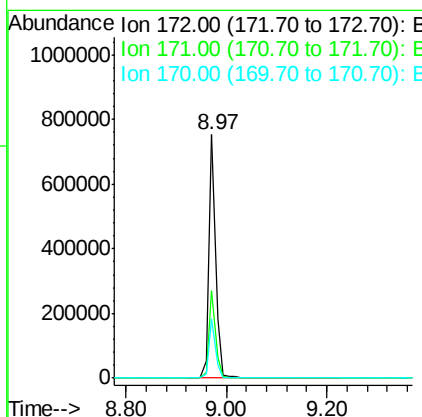
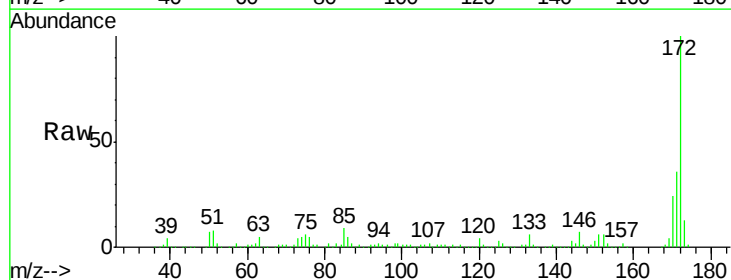
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 ClientSampleId :
 SS-02RE

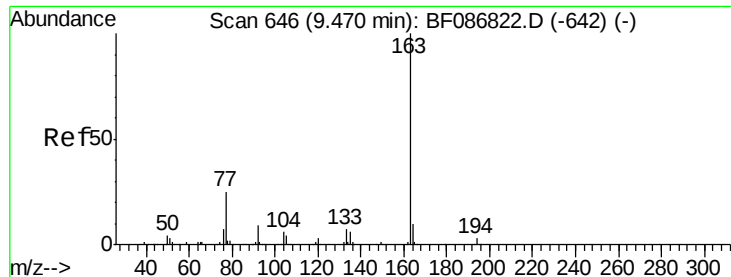
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	79.0	118.4
141	37.6	31.2	46.8



#44
 2-Fluorobiphenyl
 Concen: 37.04 ng
 RT: 8.97 min Scan# 646
 Delta R.T. -0.09 min
 Lab File: BF087078.D
 Acq: 16 May 2016 13:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	24.2	19.8	29.8

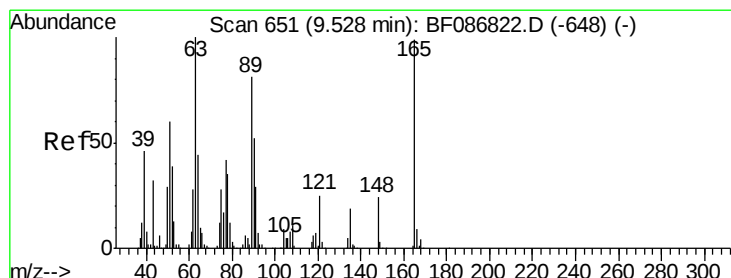
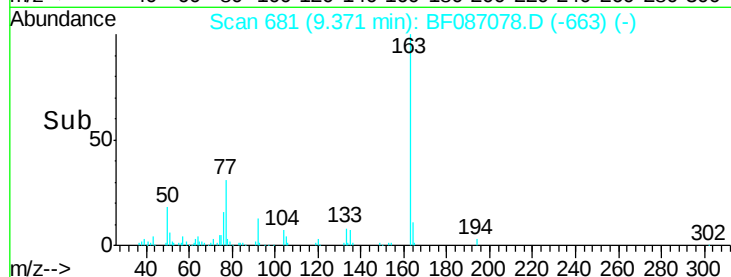
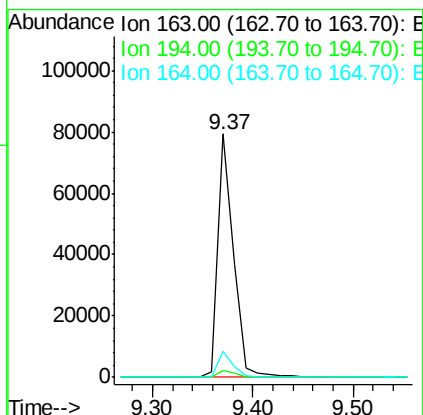
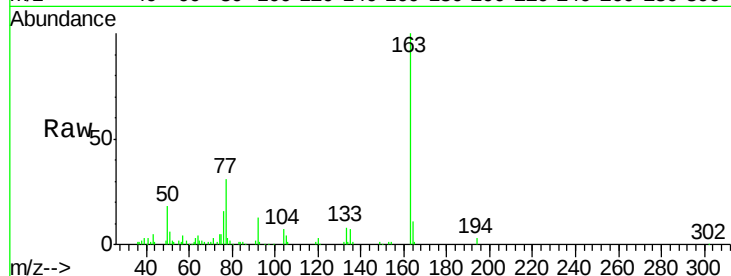




#49
Dimethylphthalate
Concen: 3.50 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.10 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

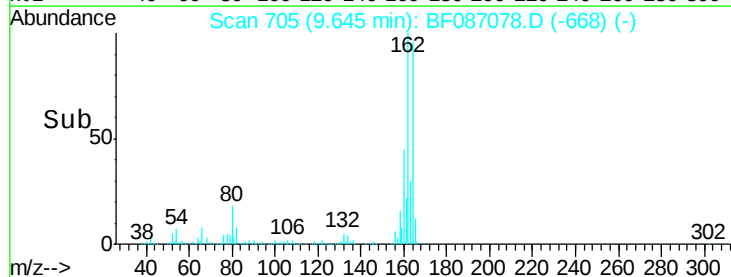
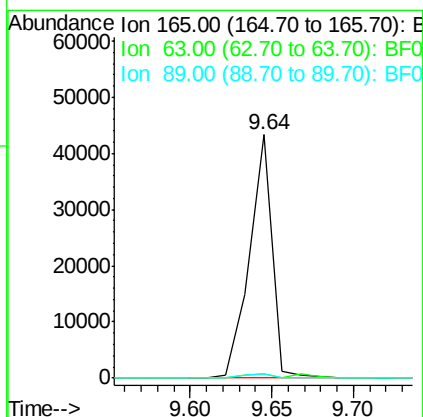
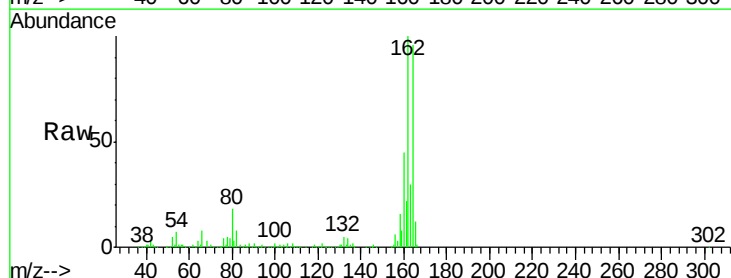
Instrument :
BNA_F
ClientSampled :
SS-02RE

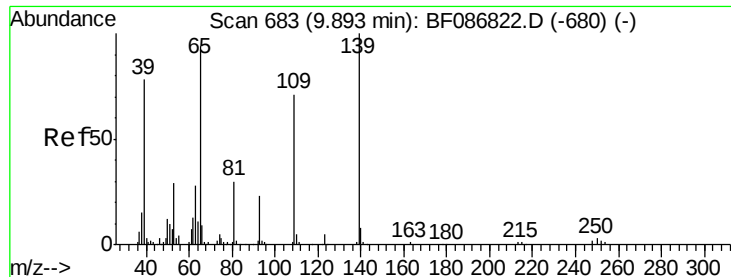
Tgt Ion:163 Resp: 85441
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.6 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 8.11 ng
RT: 9.64 min Scan# 705
Delta R.T. 0.12 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion:165 Resp: 41627
Ion Ratio Lower Upper
165 100
63 1.9 51.8 77.8#
89 1.9 50.7 76.1#





#55

4-Nitrophenol

Concen: 5.27 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.04 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

ClientSampleId :

SS-02RE

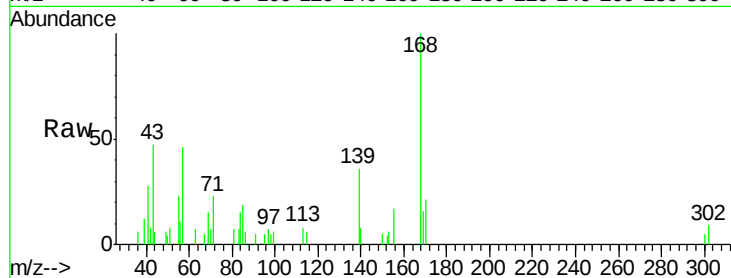
Tgt Ion:139 Resp: 2706

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

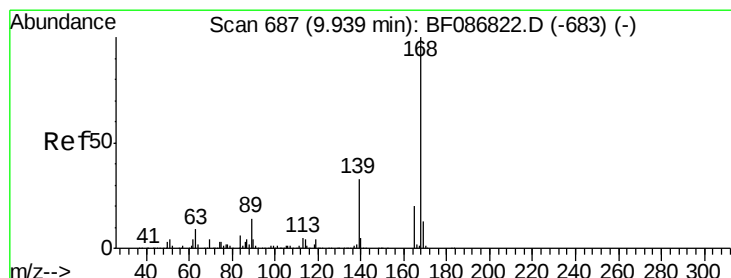
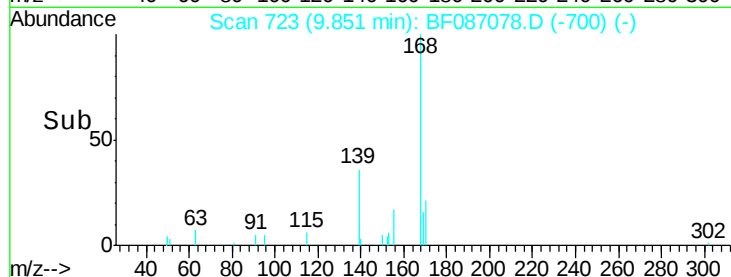
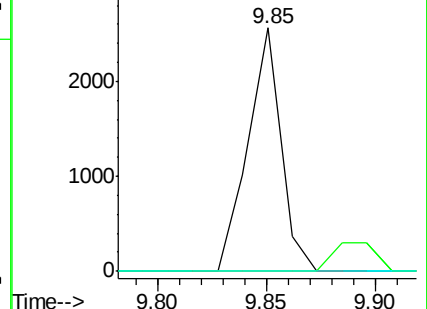
65 0.0 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.56 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.29 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Tgt Ion:165 Resp: 41629

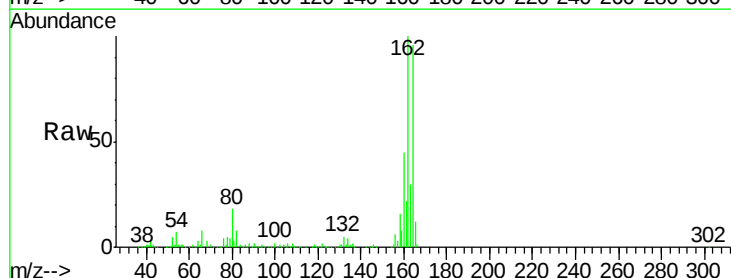
Ion Ratio Lower Upper

165 100

63 1.9 44.3 66.5#

89 1.9 70.0 105.0#

182 0.0 1.8 2.6#

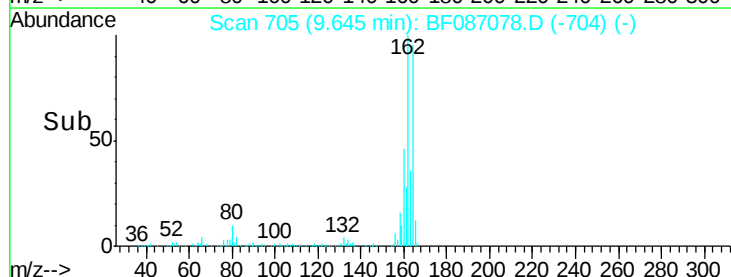
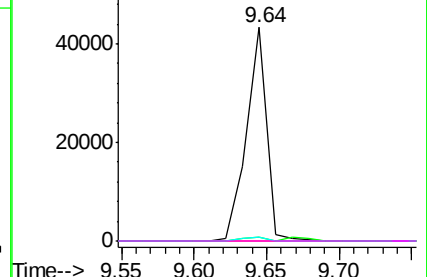


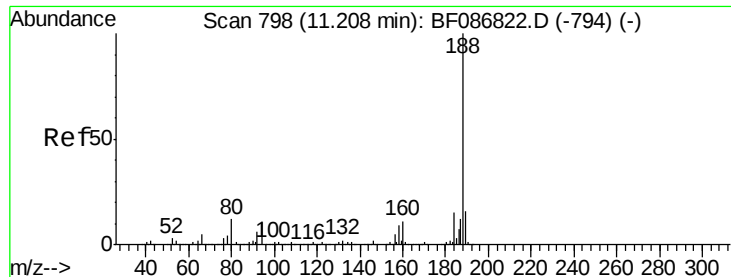
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

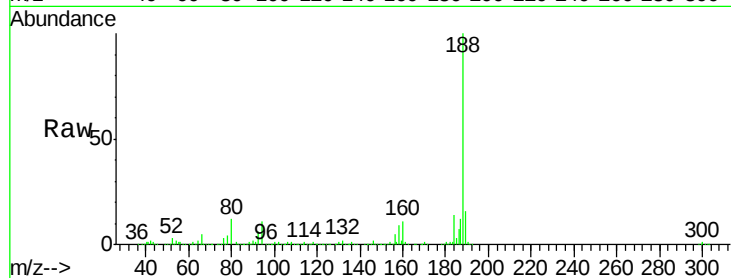




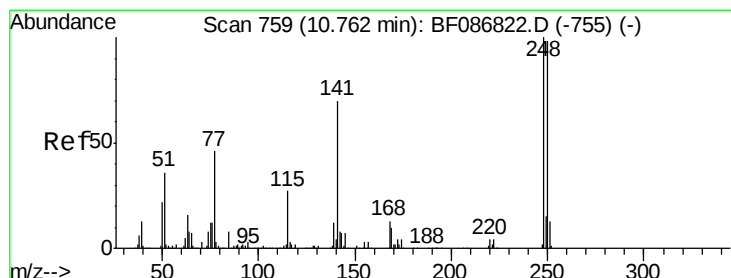
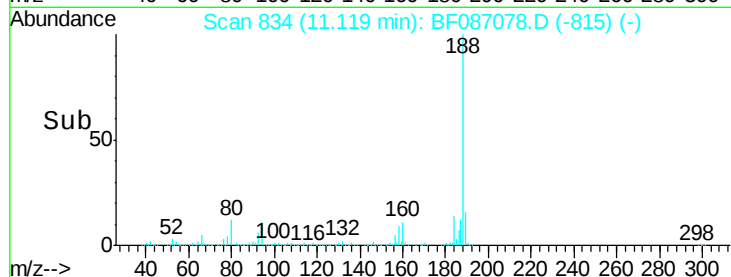
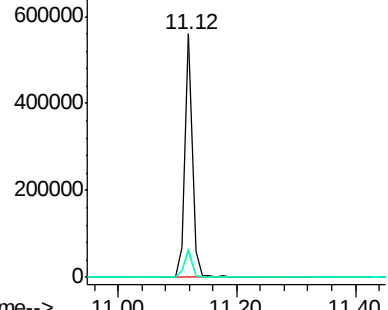
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.12 min Scan# 834
Delta R.T. -0.09 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Instrument :
BNA_F
ClientSampleId :
SS-02RE

Tgt Ion:188 Resp: 487909
Ion Ratio Lower Upper
188 100
94 10.6 6.8 10.2#
80 11.6 7.1 10.7#

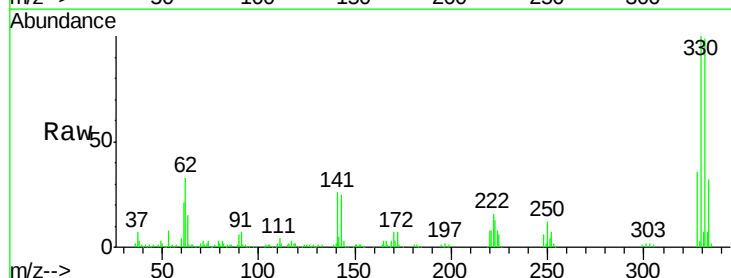


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

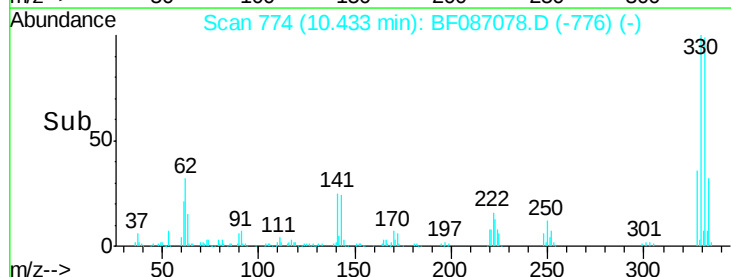
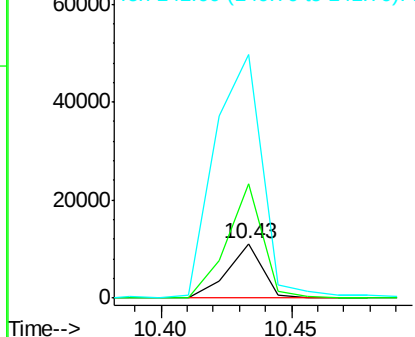


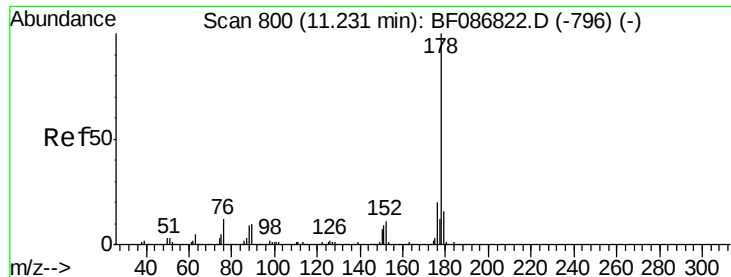
#66
4-Bromophenyl-phenylether
Concen: 2.12 ng
RT: 10.43 min Scan# 774
Delta R.T. -0.33 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion:248 Resp: 10508
Ion Ratio Lower Upper
248 100
250 209.7 78.6 117.8#
141 446.8 76.0 114.0#



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

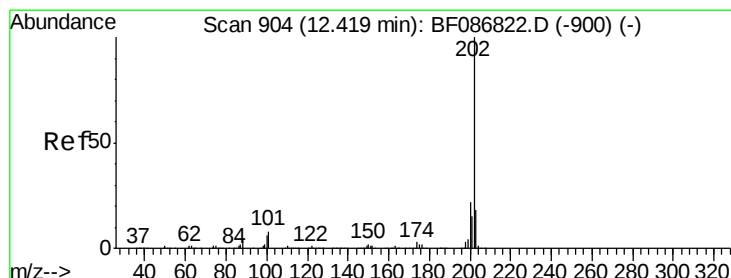
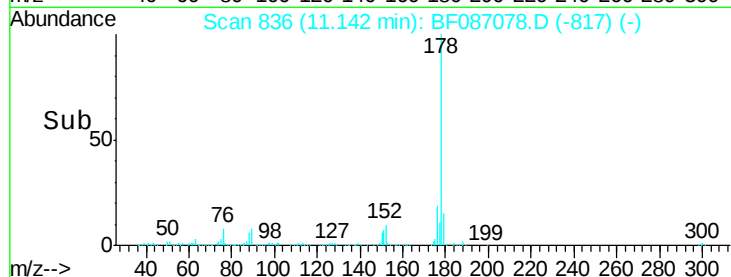
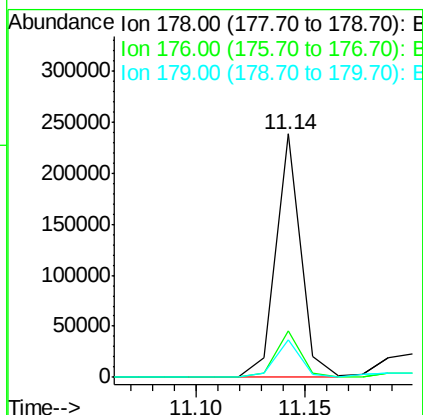
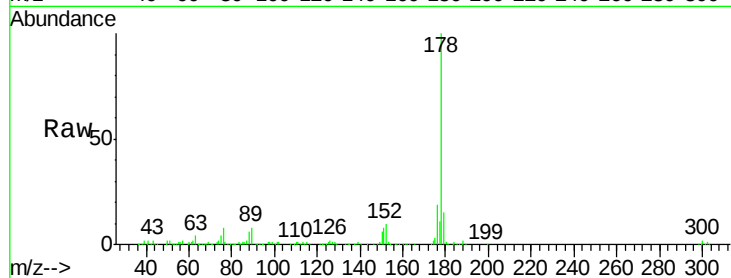




#70
Phenanthrene
Concen: 7.41 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.09 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

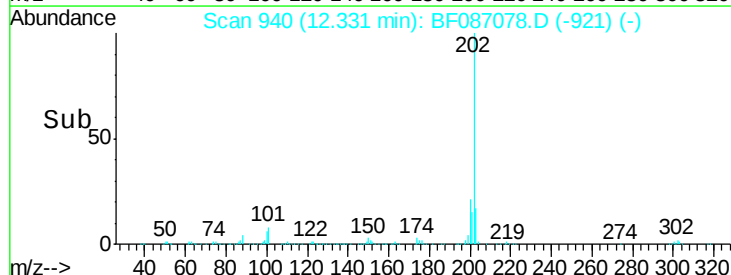
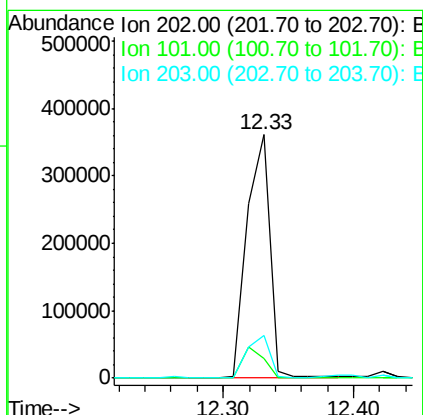
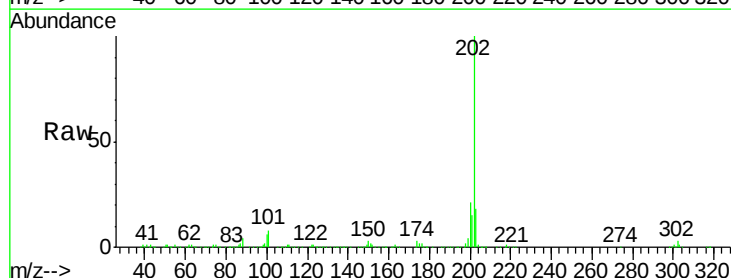
Instrument :
BNA_F
ClientSampleId :
SS-02RE

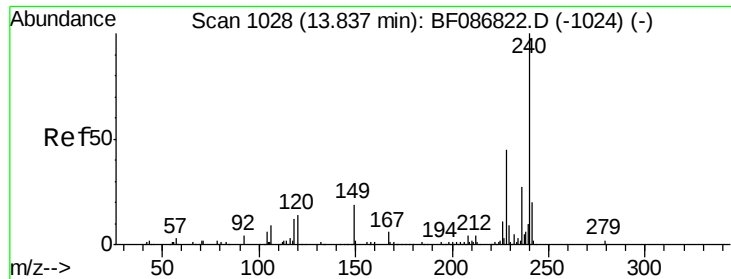
Tgt Ion:178 Resp: 192871
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.3 12.6 18.8



#74
Fluoranthene
Concen: 16.38 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.09 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion:202 Resp: 438632
Ion Ratio Lower Upper
202 100
101 7.8 0.0 35.4
203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

ClientSampled :

SS-02RE

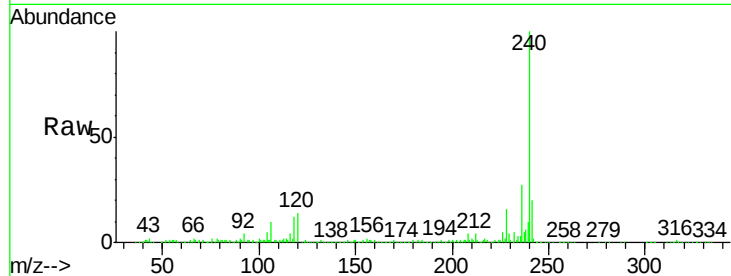
Tgt Ion:240 Resp: 381892

Ion Ratio Lower Upper

240 100

120 13.9 11.2 16.8

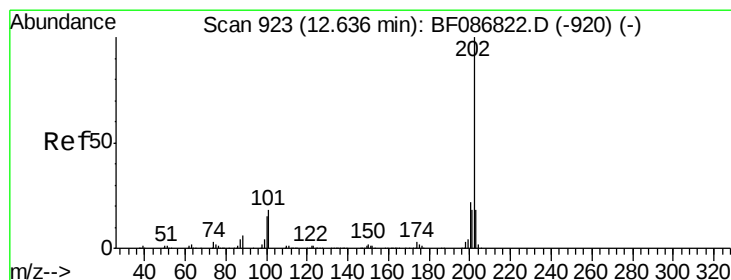
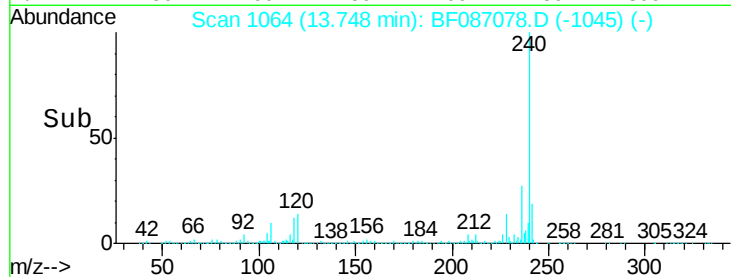
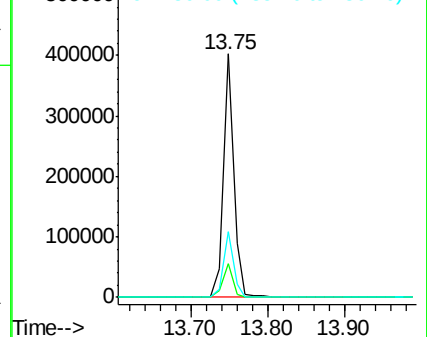
236 26.8 21.2 31.8



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



#77

Pyrene

Concen: 12.27 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

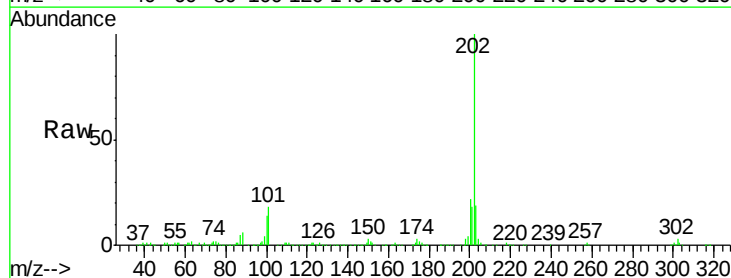
Tgt Ion:202 Resp: 358679

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

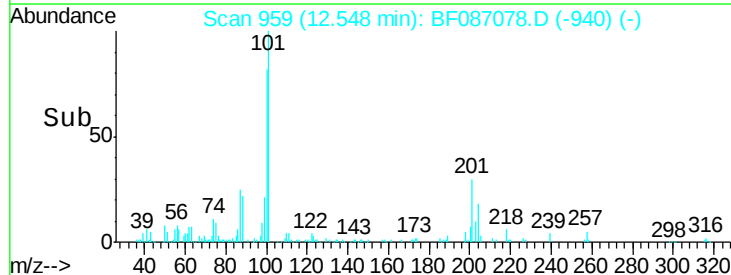
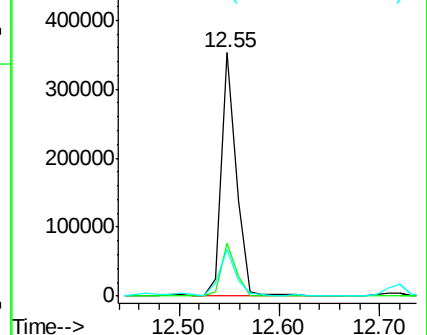
203 18.9 14.2 21.4

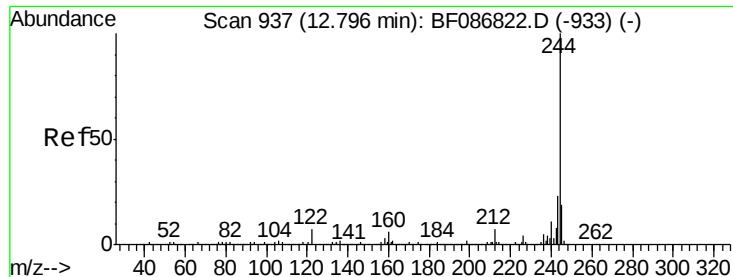


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 40.37 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

ClientSampleId :

SS-02RE

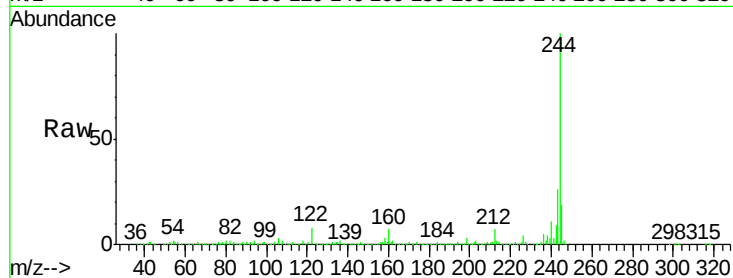
Tgt Ion:244 Resp: 726675

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

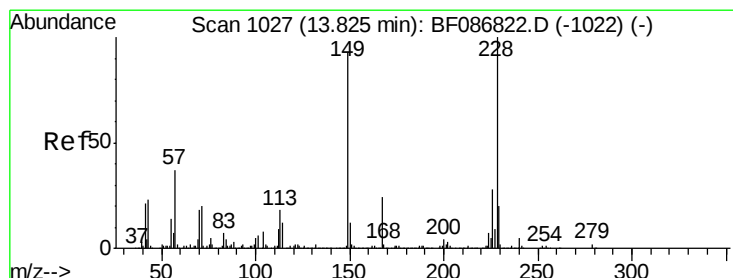
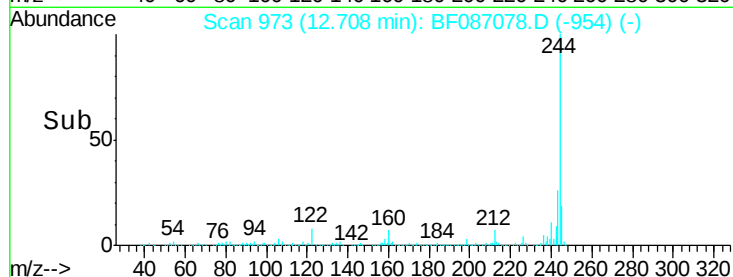
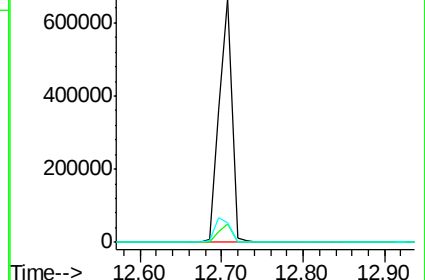
122 8.0 12.0 18.0#



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



#80

Benzo(a)anthracene

Concen: 10.11 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

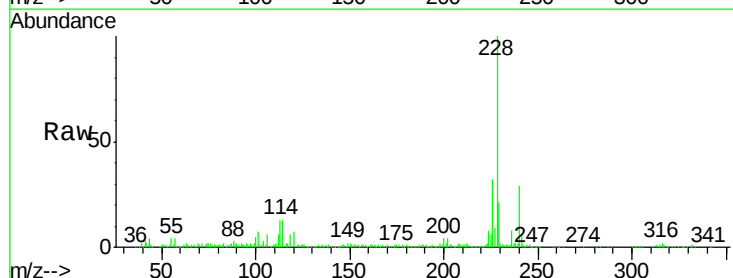
Tgt Ion:228 Resp: 216787

Ion Ratio Lower Upper

228 100

226 32.1 22.5 33.7

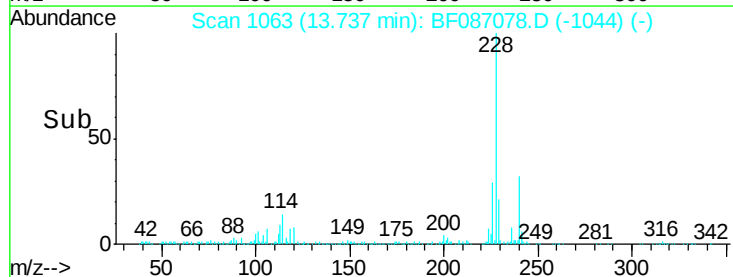
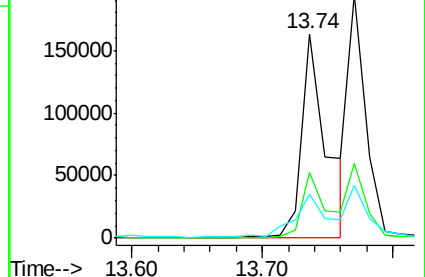
229 21.4 16.6 25.0

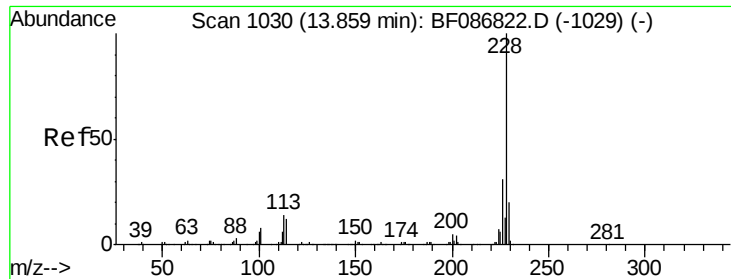


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.40 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

ClientSampleId :

SS-02RE

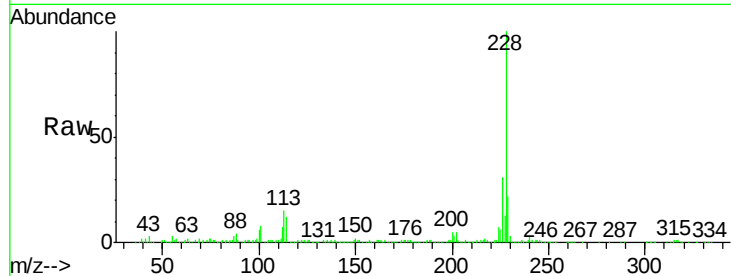
Tgt Ion:228 Resp: 183276

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

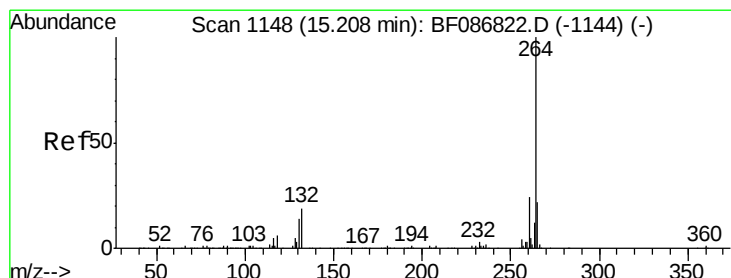
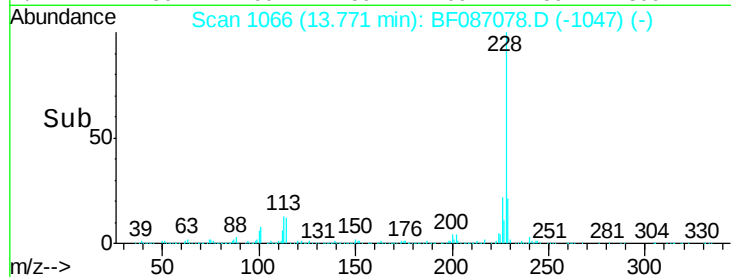
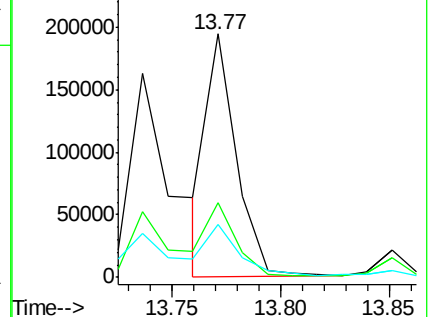
229 21.9 15.8 23.8



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

Perylene-d12

Concen: 20.00 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

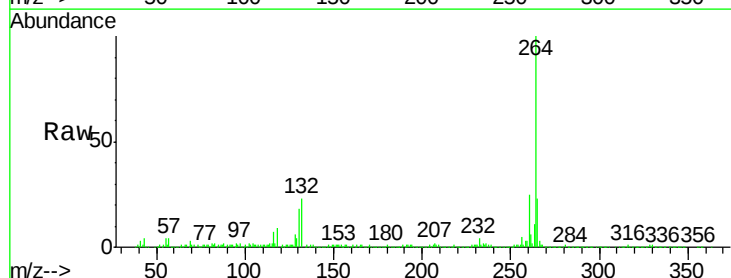
Tgt Ion:264 Resp: 333025

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

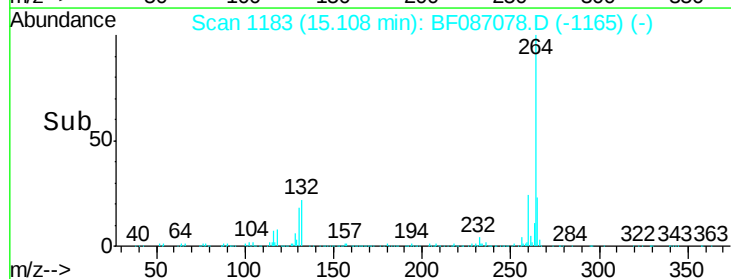
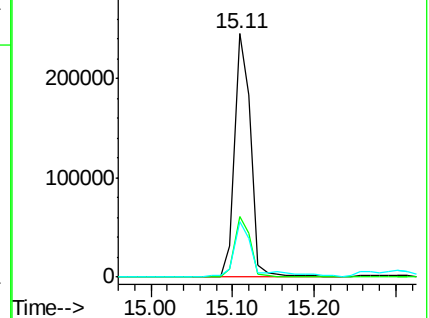
265 22.8 17.3 25.9

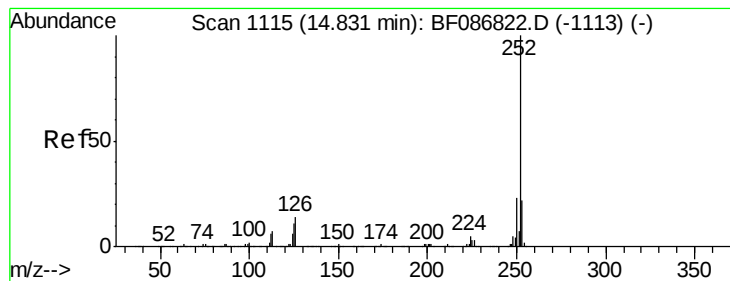


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.17 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.09 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

Instrument :

BNA_F

ClientSampleId :

SS-02RE

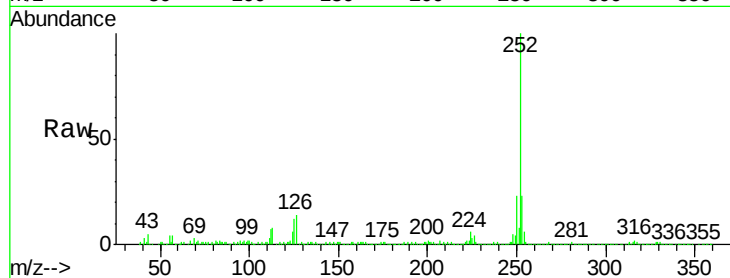
Tgt Ion:252 Resp: 393269

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

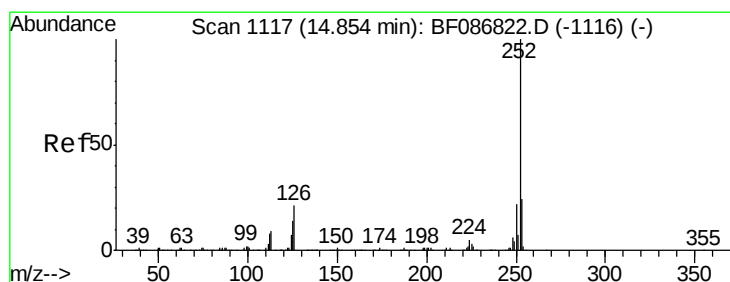
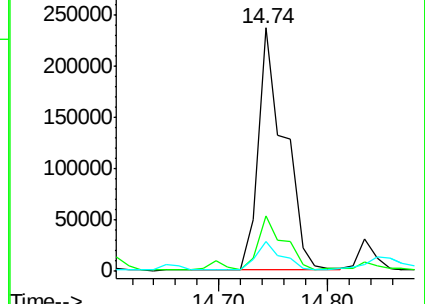
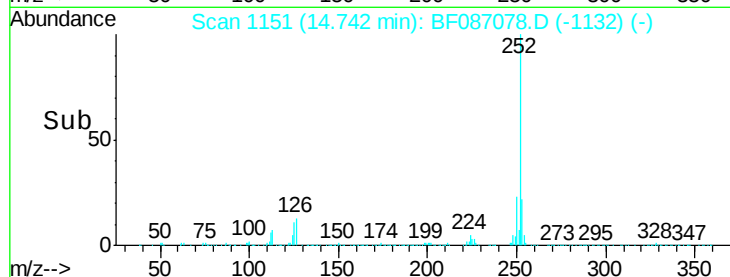
125 12.1 11.4 17.0



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



#88

Benzo(k)fluoranthene

Concen: 22.19 ng

RT: 14.74 min Scan# 1151

Delta R.T. -0.11 min

Lab File: BF087078.D

Acq: 16 May 2016 13:42

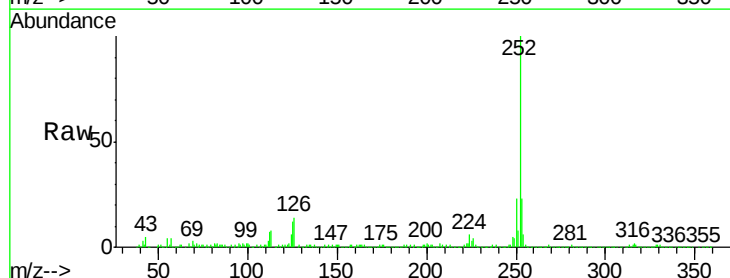
Tgt Ion:252 Resp: 393269

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

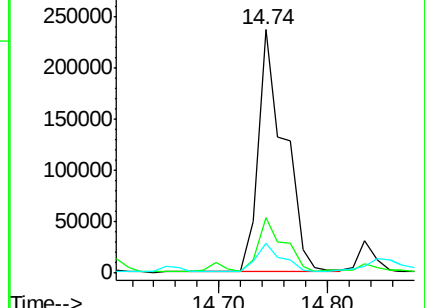
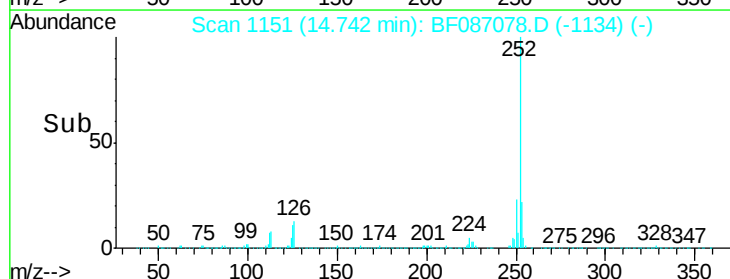
125 12.1 9.1 13.7

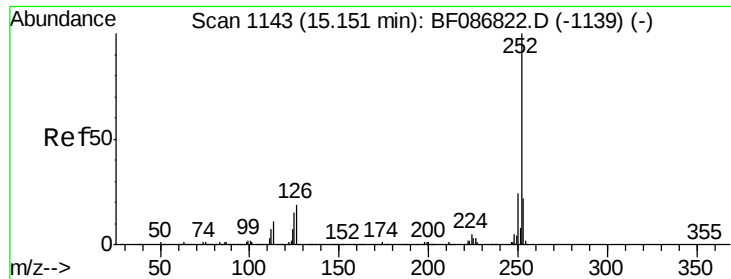


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

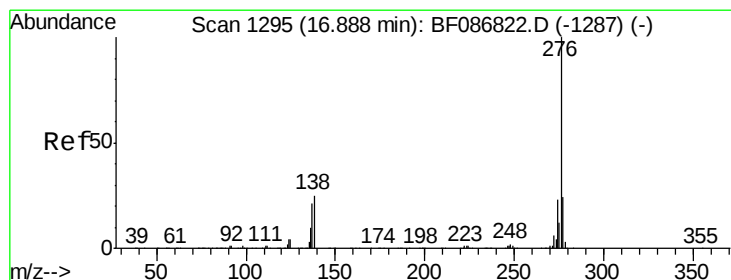
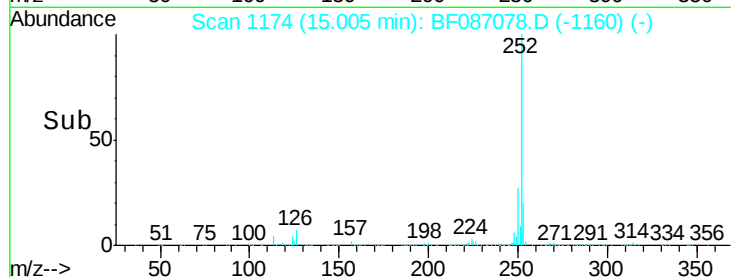
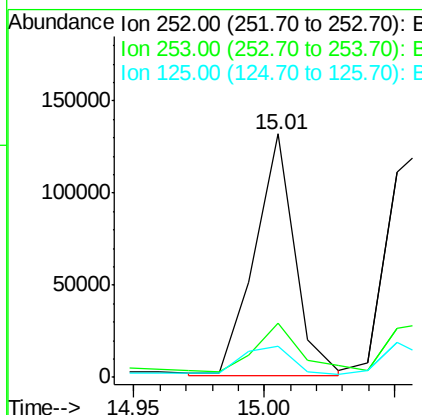
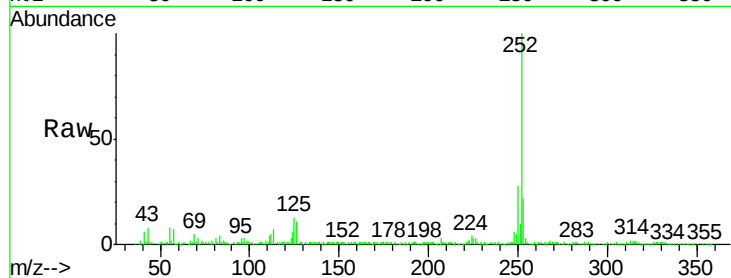




#89
Benzo(a)pyrene
Concen: 7.48 ng
RT: 15.01 min Scan# 1174
Delta R.T. -0.15 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Instrument :
BNA_F
ClientSampleId :
SS-02RE

Tgt Ion: 252 Resp: 139713
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 12.6 9.0 13.6



#91
Benzo(g,h,i)perylene
Concen: 6.72 ng
RT: 16.73 min Scan# 1325
Delta R.T. -0.16 min
Lab File: BF087078.D
Acq: 16 May 2016 13:42

Tgt Ion: 276 Resp: 107369
Ion Ratio Lower Upper
276 100
277 24.5 19.6 29.4
138 22.8 23.6 35.4#

