

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086907.D
 Acq On : 12 May 2016 00:29
 Operator : UM/SJ
 Sample : H2965-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)

Quant Time: May 12 01:45:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 12 01:06:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	138568	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	590205	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	270435	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	466904	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	301651	20.00	ng	-0.01
86) Perylene-d12	15.13	264	272335	20.00	ng	0.00

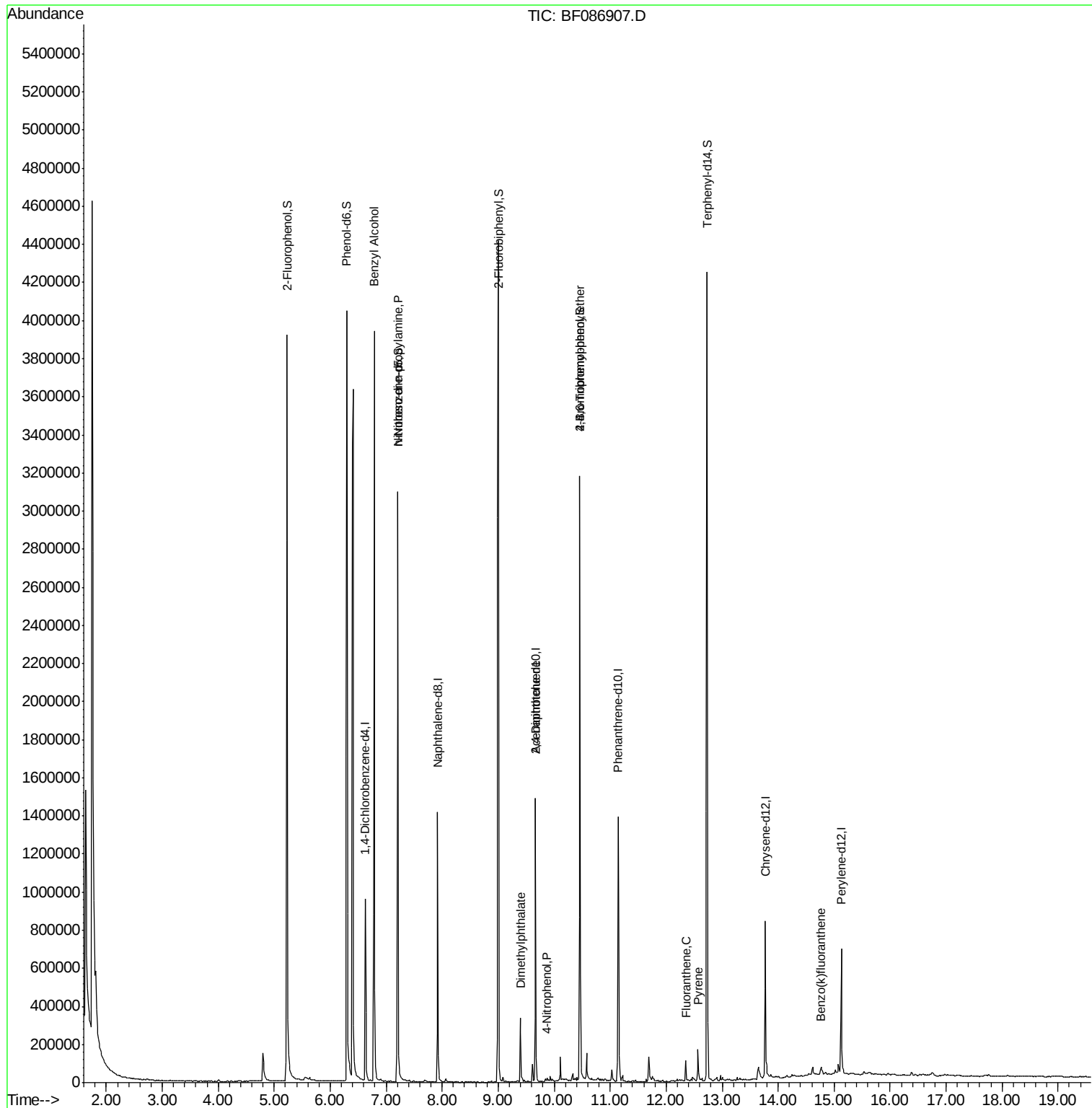
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	1290062	157.67	ng	0.01
7) Phenol-d6	6.30	99	1500049	137.17	ng	-0.01
23) Nitrobenzene-d5	7.21	82	1191519	101.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	363076	126.82	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1696744	105.45	ng	0.00
78) Terphenyl-d14	12.73	244	1265996	89.05	ng	0.00

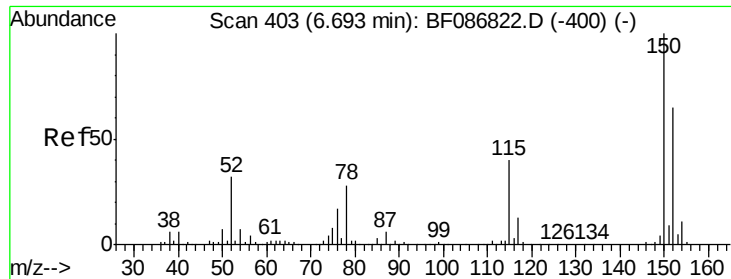
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.79	79	18195	2.41	ng	# 41
19) n-Nitroso-di-n-propylamine	7.21	70	166988	21.85	ng	# 79
49) Dimethylphthalate	9.40	163	177350	8.60	ng	98
55) 4-Nitrophenol	9.87	139	487	4.71	ng	# 14
56) 2,4-Dinitrotoluene	9.67	165	33845	6.30	ng	# 16
66) 4-Bromophenyl-phenylether	10.46	248	22429	4.74	ng	# 1
74) Fluoranthene	12.35	202	64308	2.51	ng	91
77) Pyrene	12.57	202	63804	2.76	ng	98
88) Benzo(k)fluoranthene	14.77	252	30904	2.13	ng	# 94

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

```
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Sample    : H2965-05  
Misc      :  
ALS Vial  : 18      Sample Multiplier: 1
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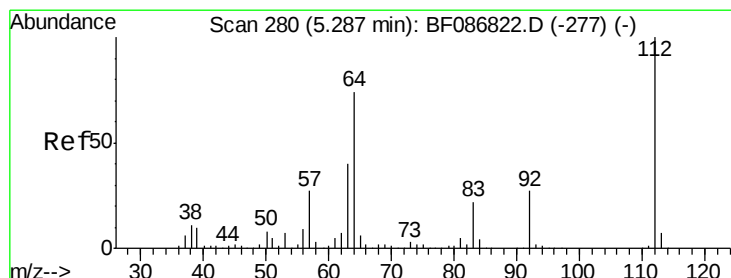
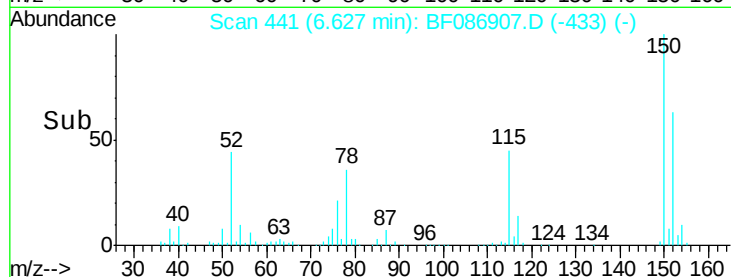
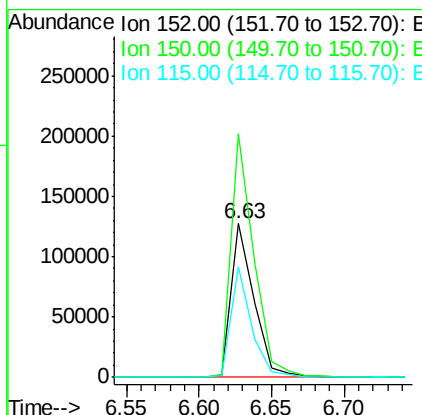
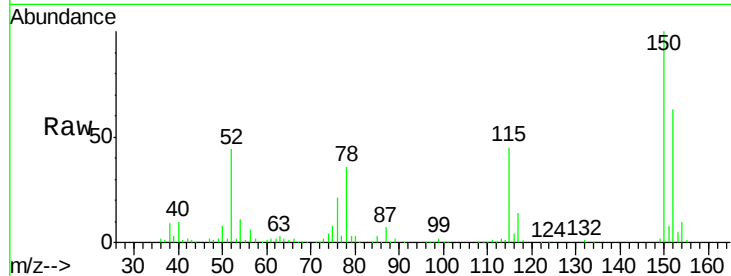




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.63 min Scan# 441
 Delta R.T. -0.01 min
 Lab File: BF086907.D
 Acq: 12 May 2016 00:29

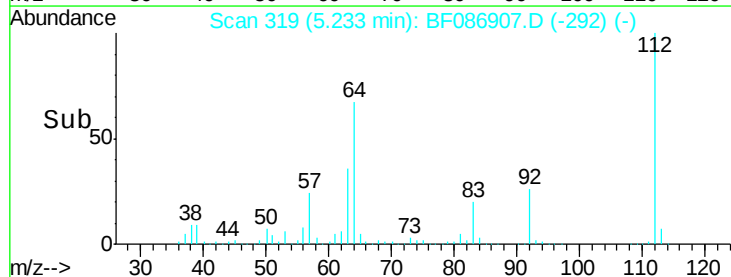
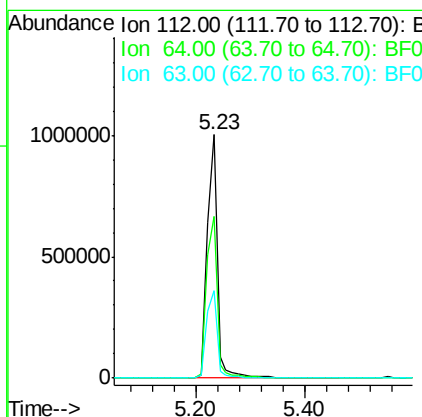
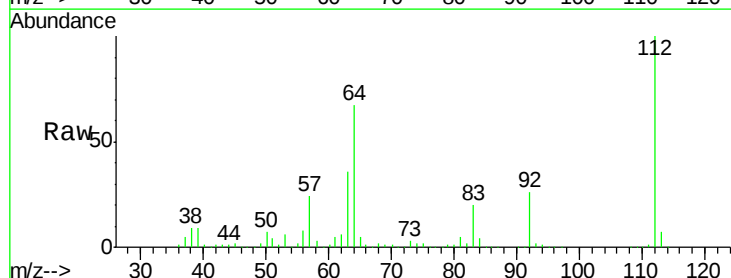
Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)

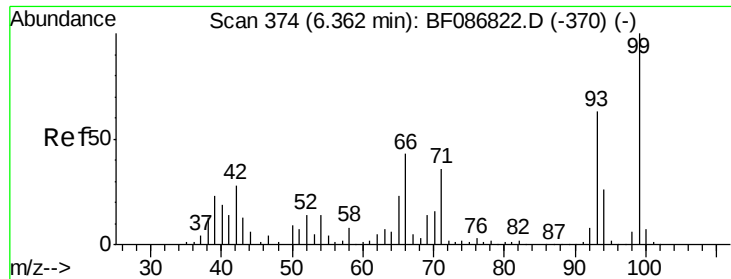
Tgt Ion:152 Resp: 138568
 Ion Ratio Lower Upper
 152 100
 150 158.6 125.8 188.6
 115 71.9 51.5 77.3



#5
 2-Fluorophenol
 Concen: 157.67 ng
 RT: 5.23 min Scan# 319
 Delta R.T. 0.01 min
 Lab File: BF086907.D
 Acq: 12 May 2016 00:29

Tgt Ion:112 Resp: 1290062
 Ion Ratio Lower Upper
 112 100
 64 66.6 52.1 78.1
 63 36.0 25.7 38.5





#7

Phenol-d6

Concen: 137.17 ng

RT: 6.30 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)

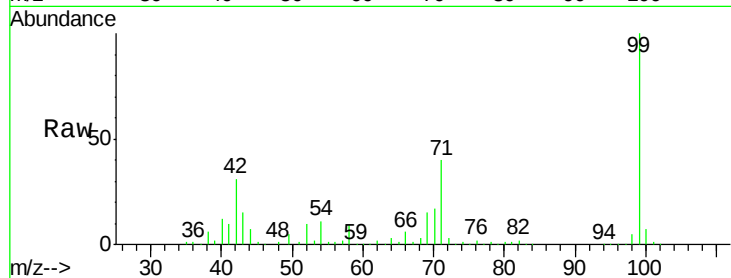
Tgt Ion: 99 Resp: 1500049

Ion Ratio Lower Upper

99 100

42 30.7 13.6 20.4#

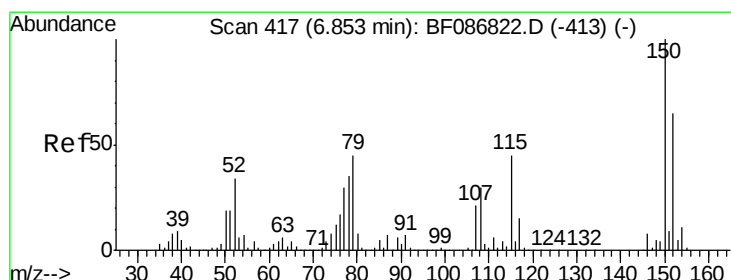
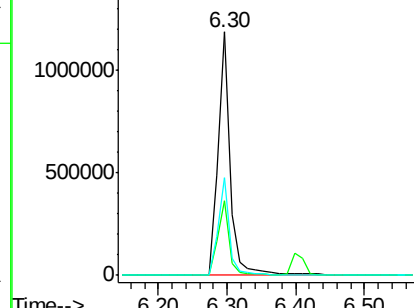
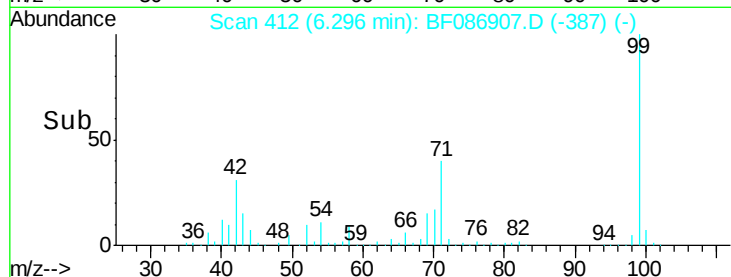
71 40.1 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.41 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

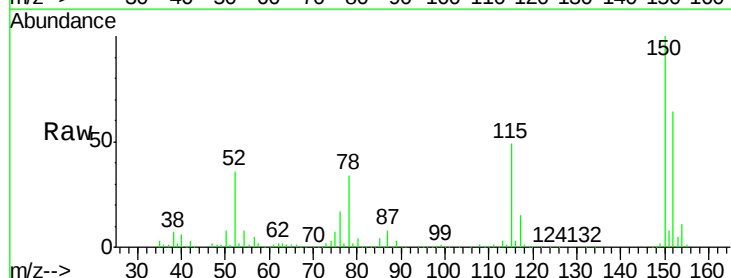
Tgt Ion: 79 Resp: 18195

Ion Ratio Lower Upper

79 100

108 31.3 68.4 102.6#

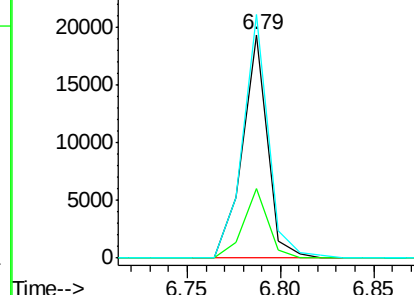
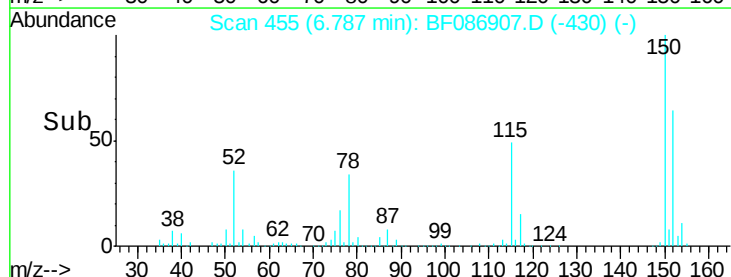
77 109.1 50.6 76.0#

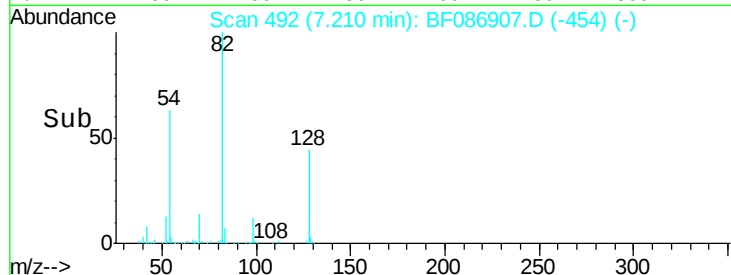
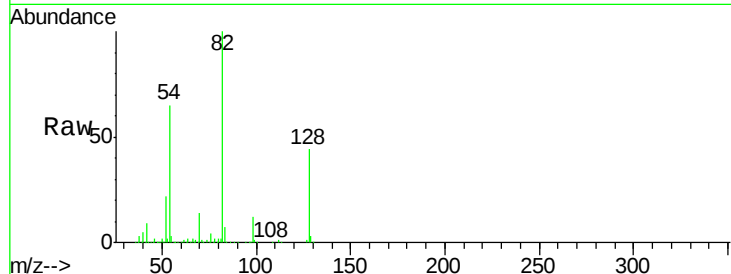
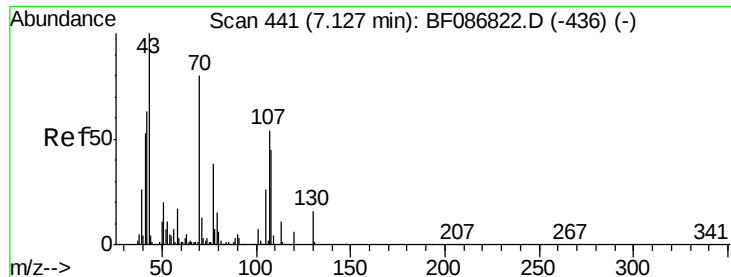


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

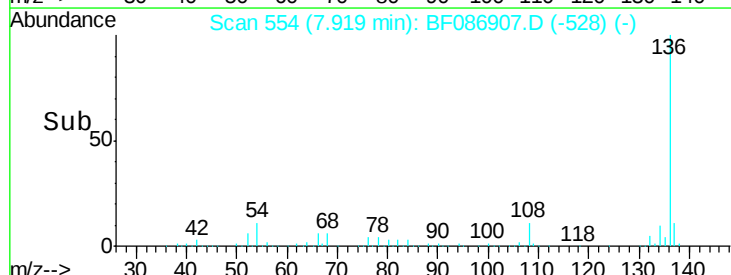
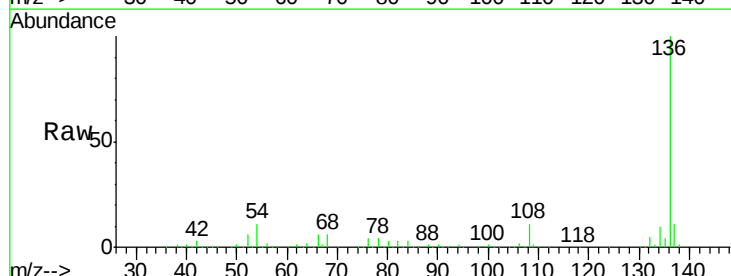
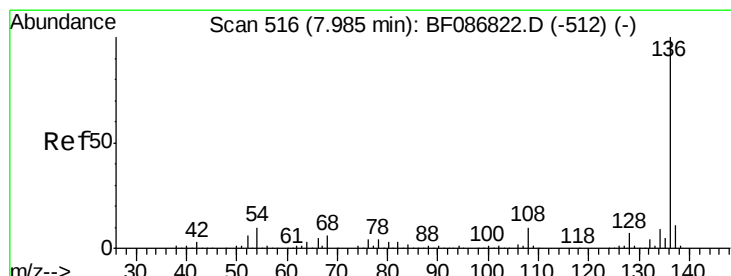
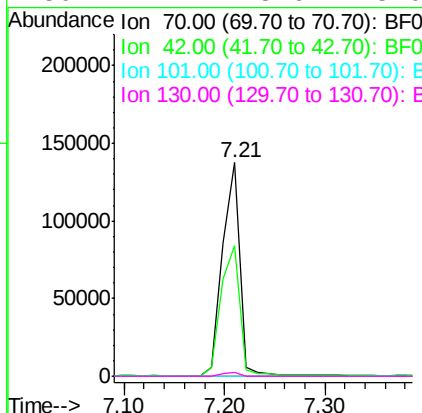




#19
n-Nitroso-di-n-propylamine
Concen: 21.85 ng
RT: 7.21 min Scan# 492
Delta R.T. 0.14 min
Lab File: BF086907.D
Acq: 12 May 2016 00:29

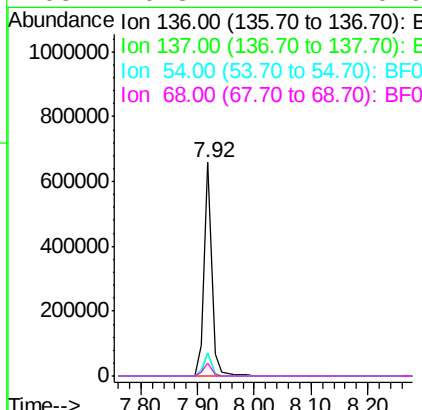
Instrument :
BNA_F
ClientSampleId :
E-19(11.5-12)

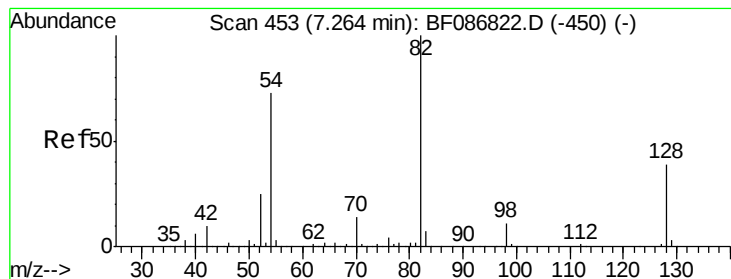
Tgt Ion: 70 Resp: 166988
Ion Ratio Lower Upper
70 100
42 61.1 43.1 64.7
101 0.0 8.1 12.1#
130 2.1 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF086907.D
Acq: 12 May 2016 00:29

Tgt Ion: 136 Resp: 590205
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 11.0 5.0 7.4#
68 6.3 4.4 6.6





#23

Nitrobenzene-d5

Concen: 101.37 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)

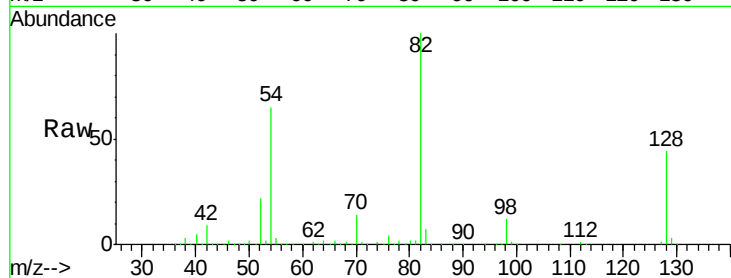
Tgt Ion: 82 Resp: 1191519

Ion Ratio Lower Upper

82 100

128 43.5 40.6 61.0

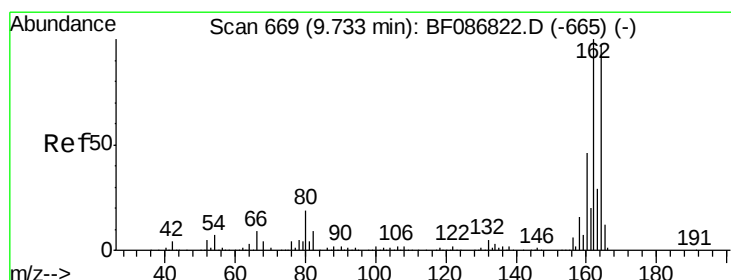
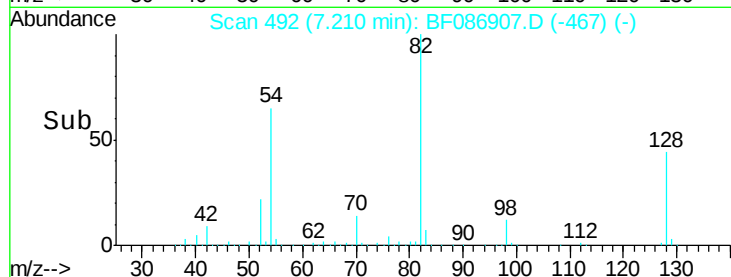
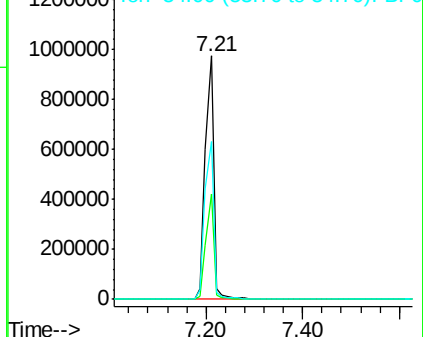
54 64.8 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

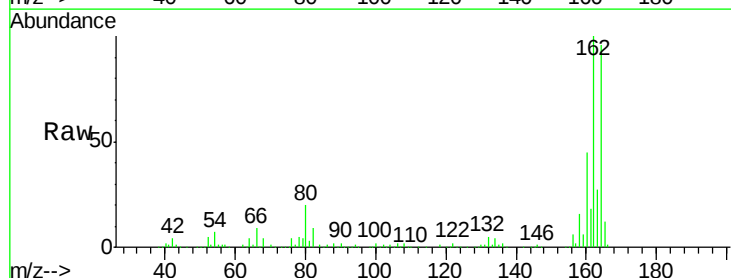
Tgt Ion: 164 Resp: 270435

Ion Ratio Lower Upper

164 100

162 103.7 82.8 124.2

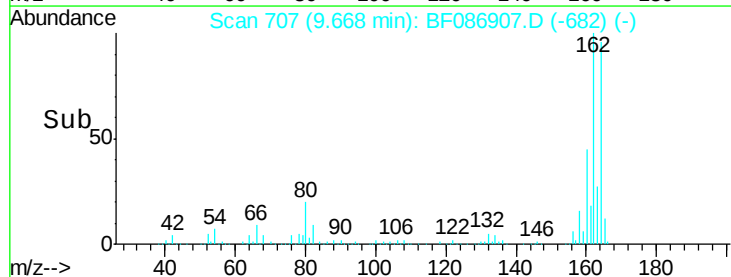
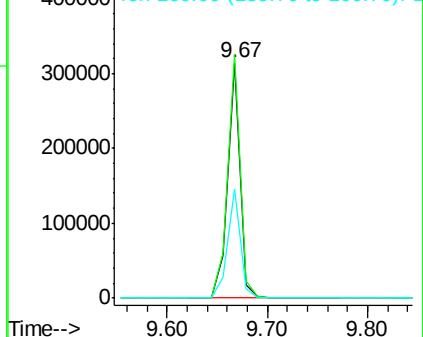
160 46.6 36.9 55.3

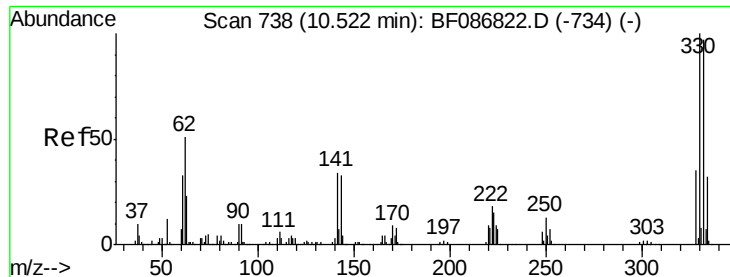


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

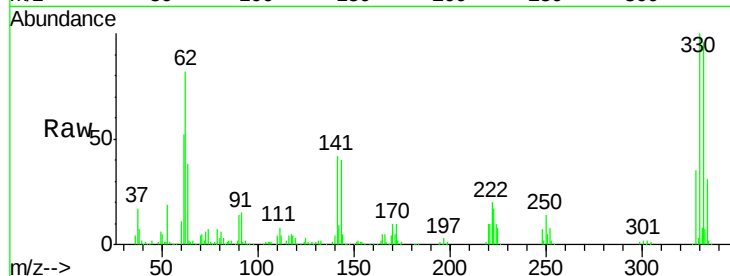




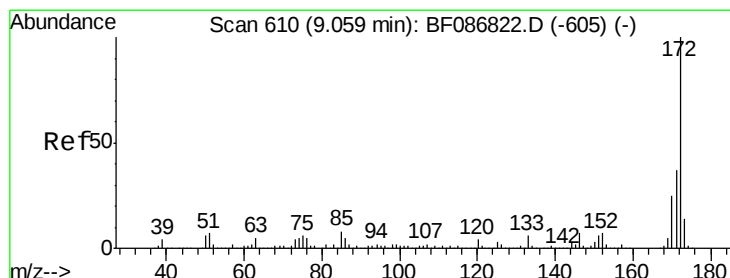
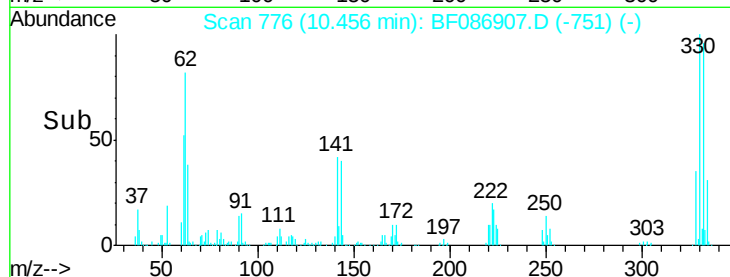
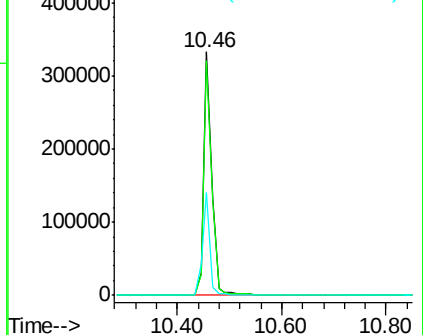
#41
 2,4,6-Tribromophenol
 Concen: 126.82 ng
 RT: 10.46 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF086907.D
 Acq: 12 May 2016 00:29

Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)

Tgt Ion:330 Resp: 363076
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.0 118.4
 141 38.1 31.2 46.8

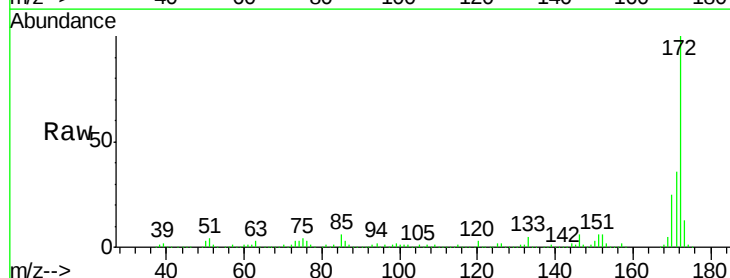


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

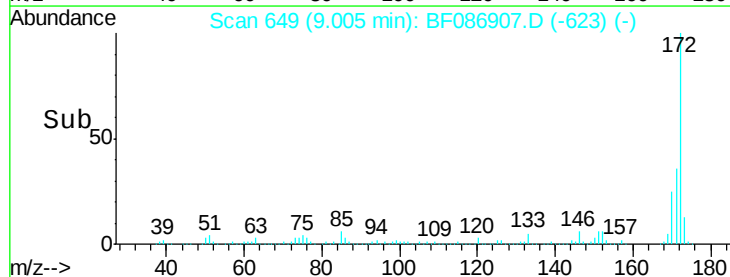
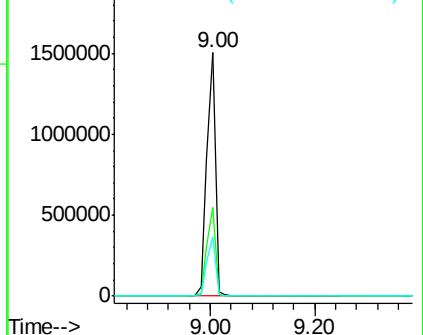


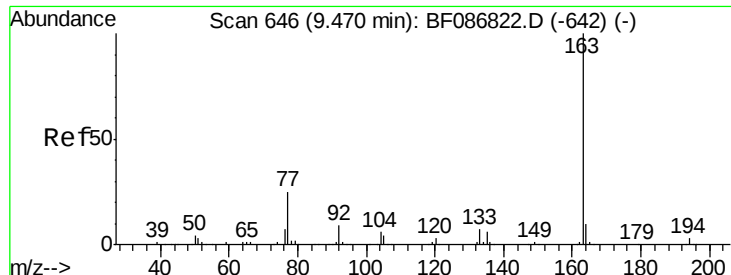
#44
 2-Fluorobiphenyl
 Concen: 105.45 ng
 RT: 9.00 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF086907.D
 Acq: 12 May 2016 00:29

Tgt Ion:172 Resp: 1696744
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.0 43.6
 170 24.5 19.8 29.8



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





#49

Dimethylphthalate

Concen: 8.60 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)

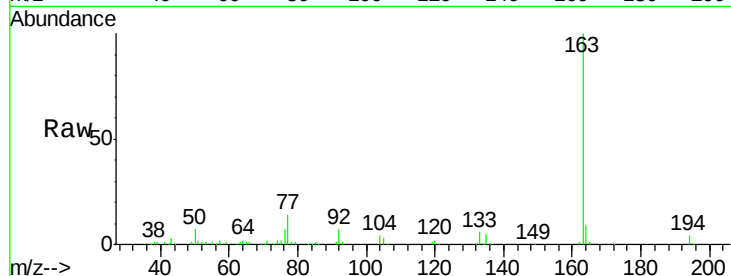
Tgt Ion:163 Resp: 177350

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

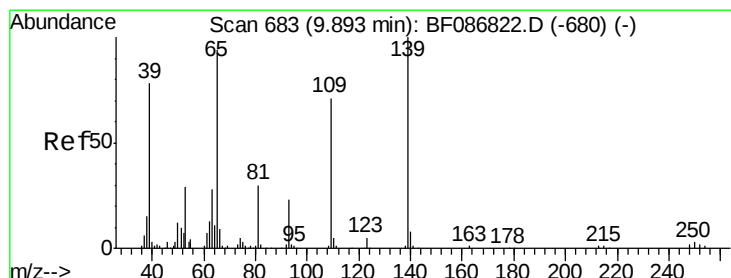
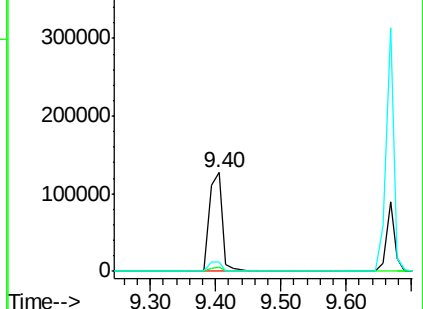
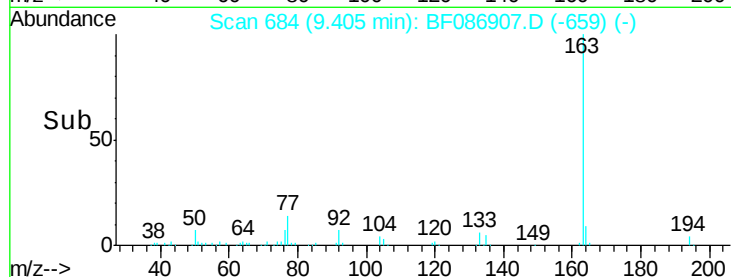
164 9.4 8.2 12.4



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



#55

4-Nitrophenol

Concen: 4.71 ng

RT: 9.87 min Scan# 725

Delta R.T. 0.03 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

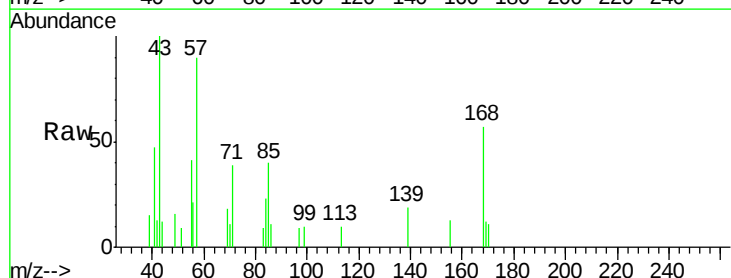
Tgt Ion:139 Resp: 487

Ion Ratio Lower Upper

139 100

109 0.0 36.9 76.9#

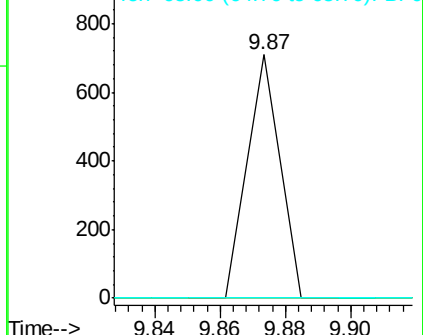
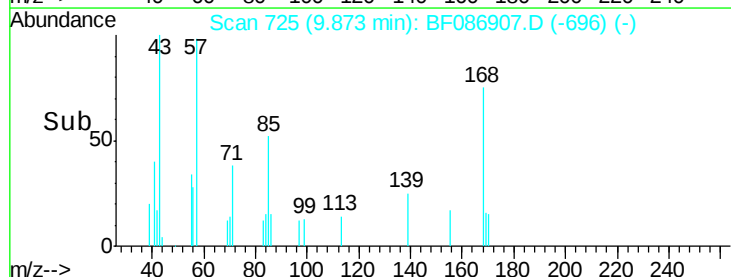
65 0.0 64.0 104.0#

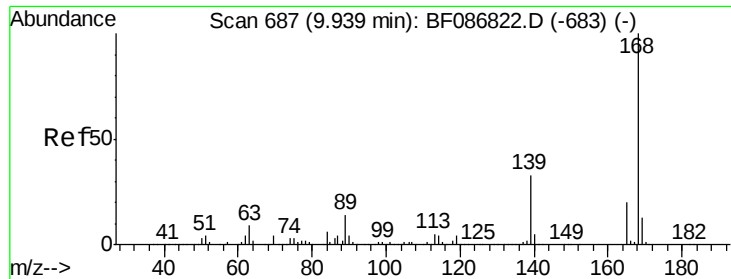


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.30 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.22 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)

Tgt Ion:165 Resp: 33845

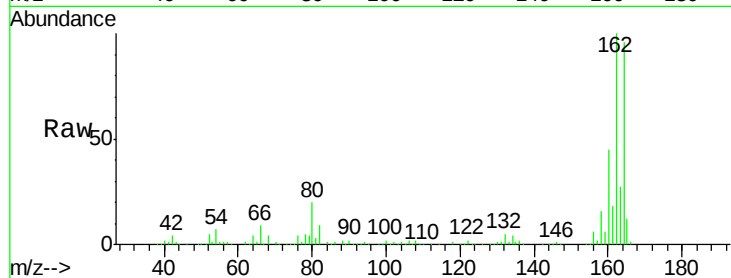
Ion Ratio Lower Upper

165 100

63 2.2 44.3 66.5#

89 1.8 70.0 105.0#

182 0.0 1.8 2.6#

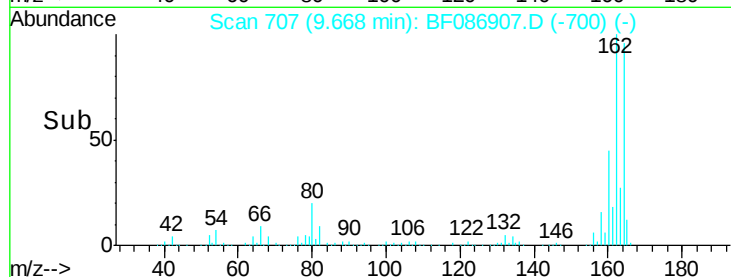


Abundance Ion 165.00 (164.70 to 165.70): E

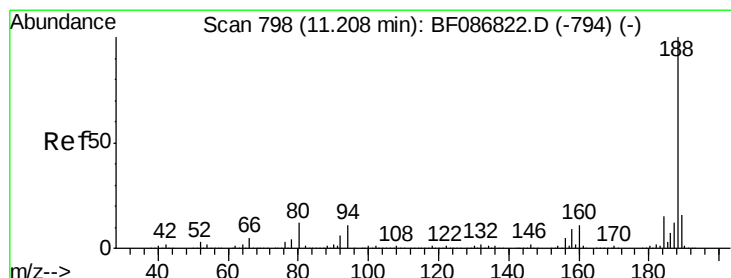
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



Time--> 9.60 9.65 9.67 9.70



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.01 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

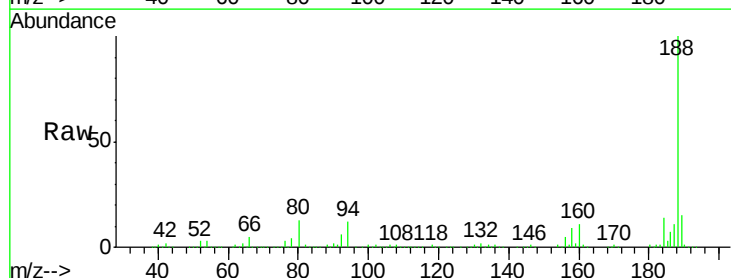
Tgt Ion:188 Resp: 466904

Ion Ratio Lower Upper

188 100

94 11.6 6.8 10.2#

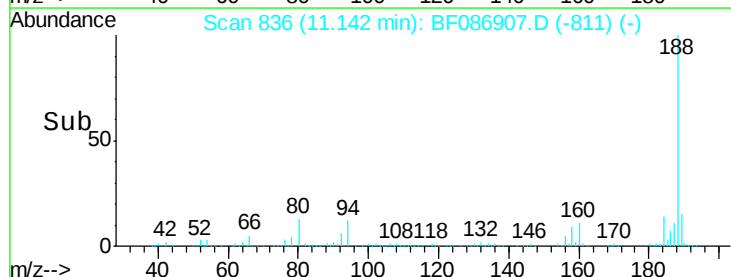
80 13.0 7.1 10.7#



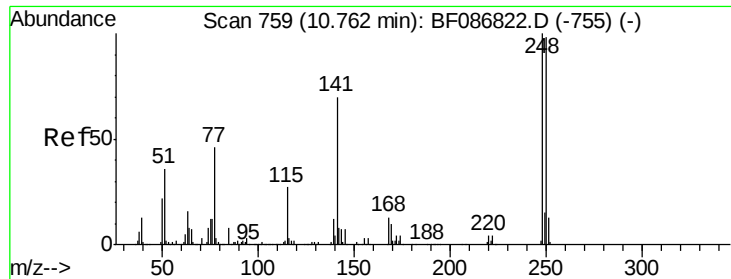
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 11.10 11.15 11.20



#66

4-Bromophenyl-phenylether

Concen: 4.74 ng

RT: 10.46 min Scan# 776

Delta R.T. -0.25 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)

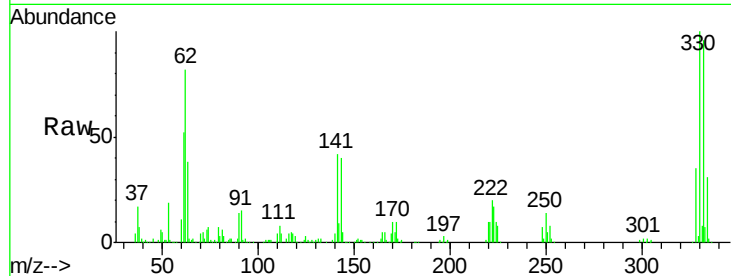
Tgt Ion:248 Resp: 22429

Ion Ratio Lower Upper

248 100

250 194.1 78.6 117.8#

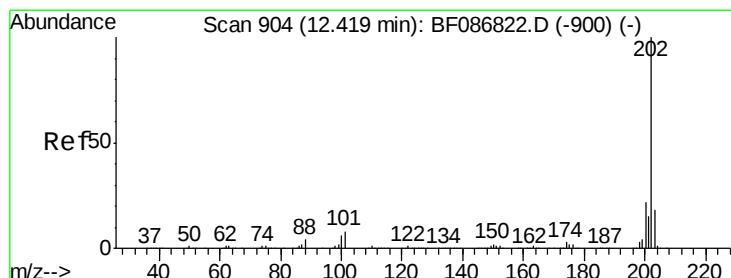
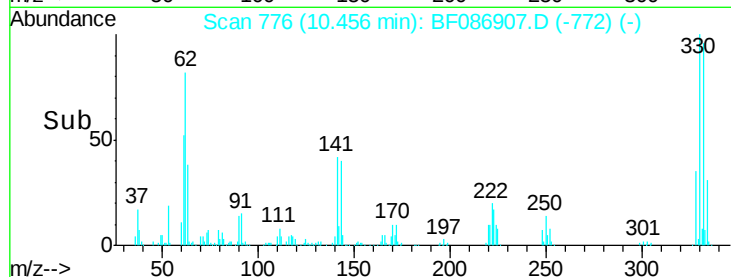
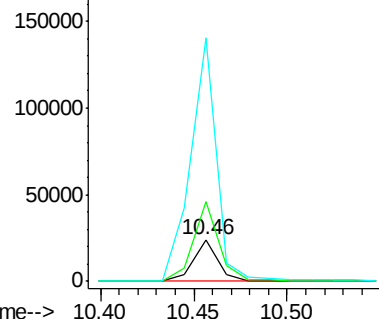
141 587.8 76.0 114.0#



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



#74

Fluoranthene

Concen: 2.51 ng

RT: 12.35 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

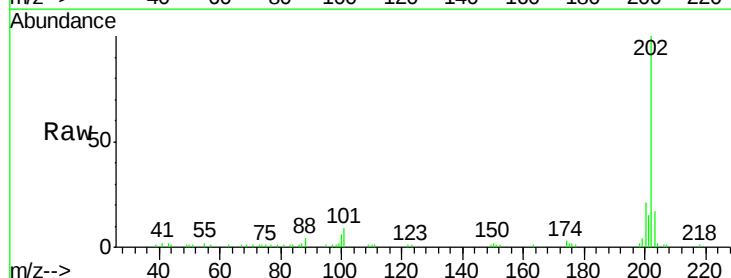
Tgt Ion:202 Resp: 64308

Ion Ratio Lower Upper

202 100

101 8.5 0.0 35.4

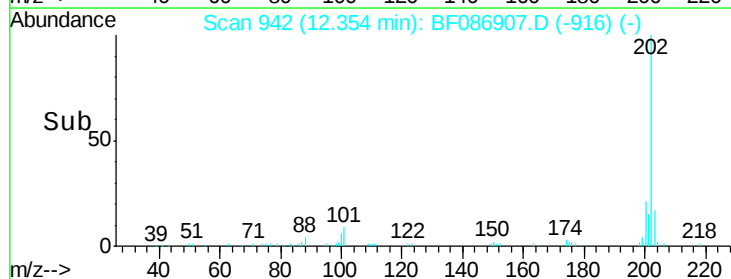
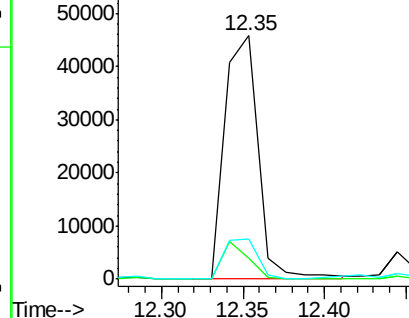
203 16.6 0.0 38.1

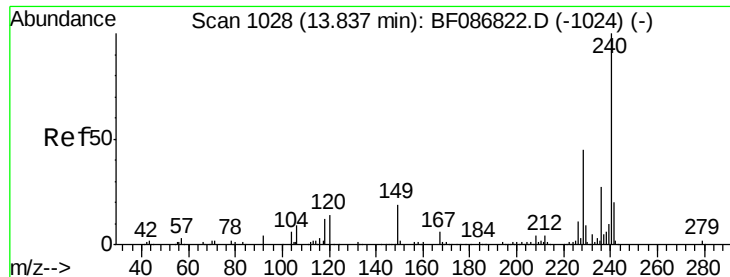


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)

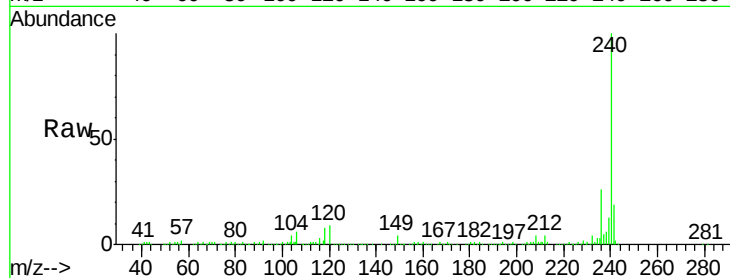
Tgt Ion:240 Resp: 301651

Ion Ratio Lower Upper

240 100

120 9.3 11.2 16.8#

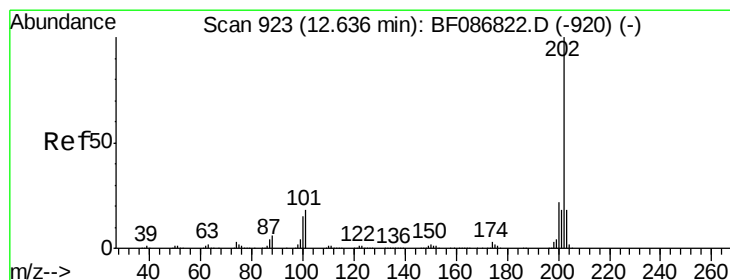
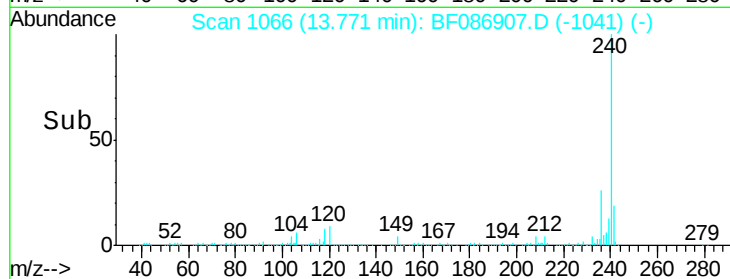
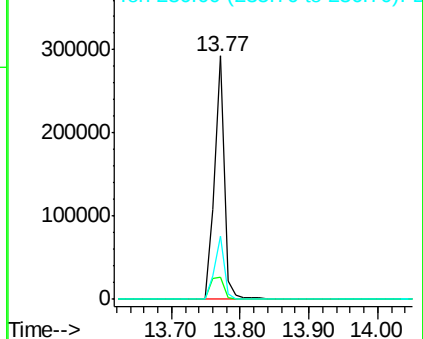
236 26.0 21.2 31.8



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: 2.76 ng

RT: 12.57 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF086907.D

Acq: 12 May 2016 00:29

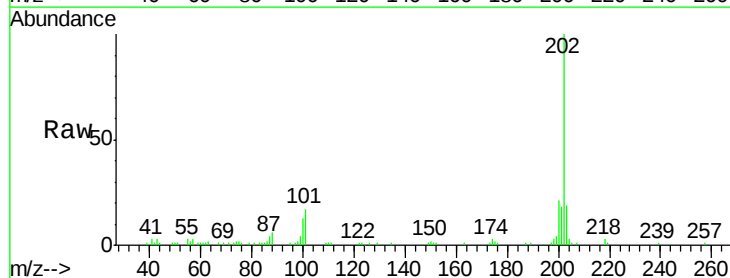
Tgt Ion:202 Resp: 63804

Ion Ratio Lower Upper

202 100

200 21.5 17.7 26.5

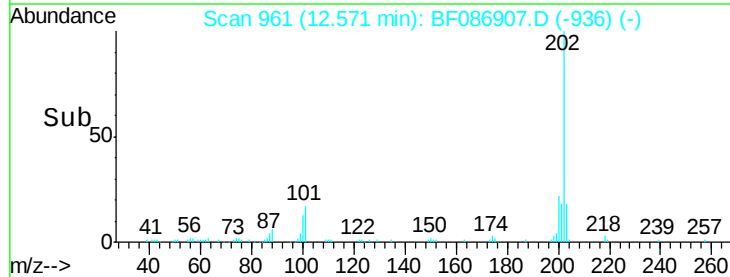
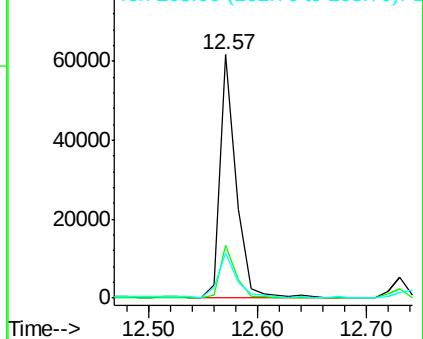
203 18.8 14.2 21.4

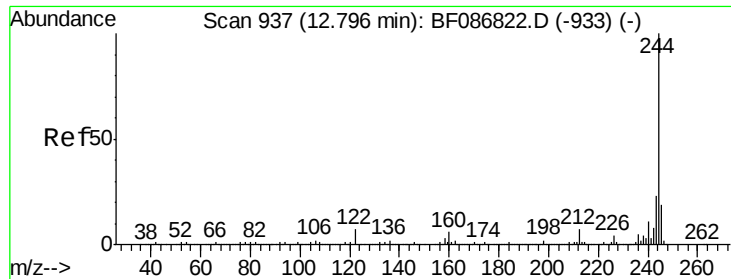


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

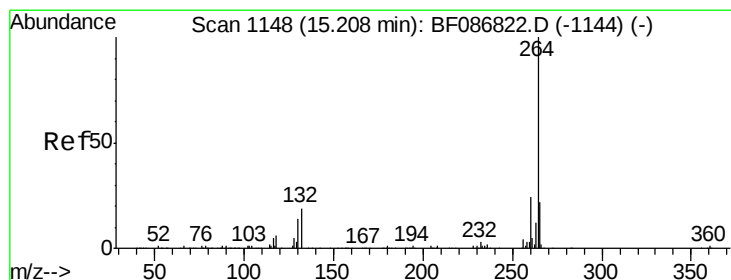
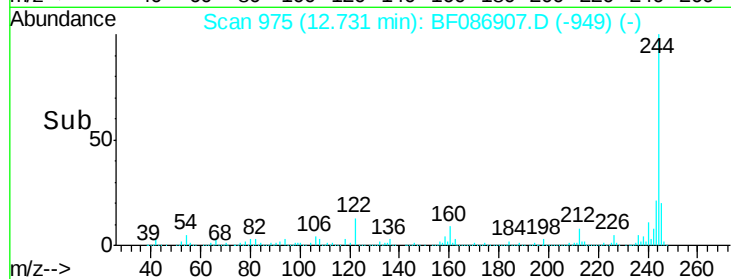
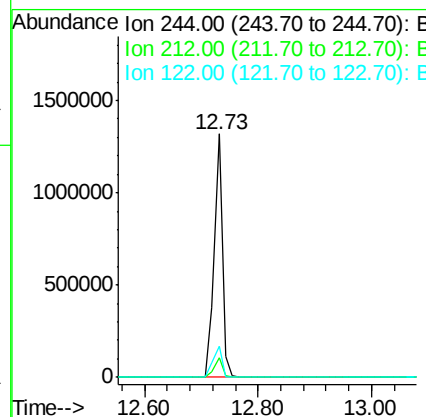
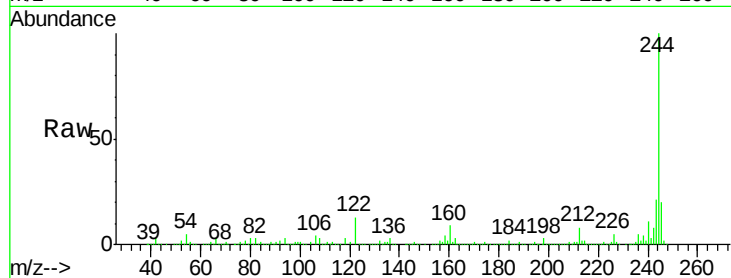




#78
 Terphenyl-d14
 Concen: 89.05 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: BF086907.D
 Acq: 12 May 2016 00:29

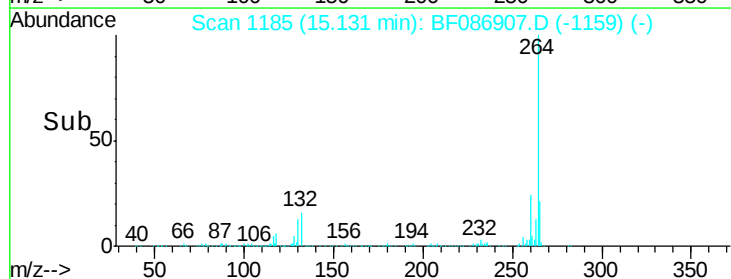
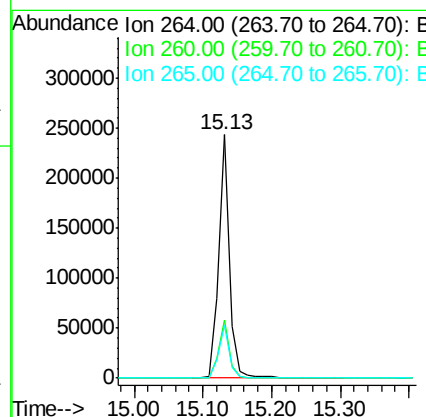
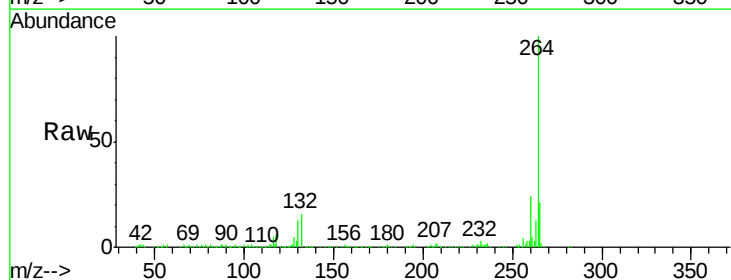
Instrument :
 BNA_F
 ClientSampleId :
 E-19(11.5-12)

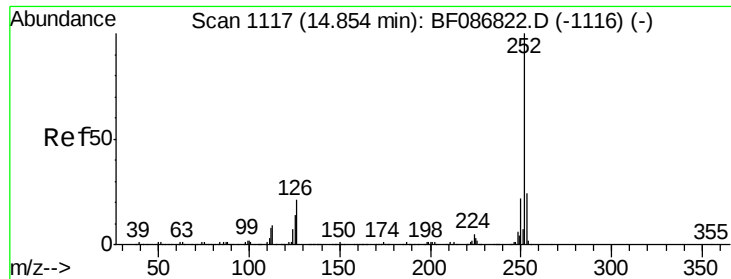
Tgt Ion:244 Resp: 1265996
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 12.9 12.0 18.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF086907.D
 Acq: 12 May 2016 00:29

Tgt Ion:264 Resp: 272335
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.5 29.3
 265 21.5 17.3 25.9





#88

Benzo(k)fluoranthene

Concen: 2.13 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BF086907.D

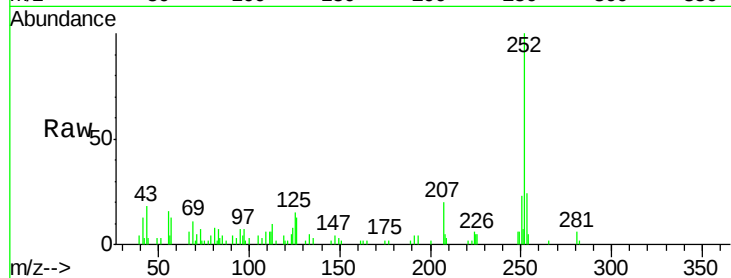
Acq: 12 May 2016 00:29

Instrument :

BNA_F

ClientSampleId :

E-19(11.5-12)



Tgt Ion:	252	Resp:	30904
Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	14.6	9.1	13.7#

