

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097745.D
 Acq On : 16 Aug 2017 18:11
 Operator : SJ/JU
 Sample : I4793-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081417-A

Quant Time: Aug 17 01:23:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

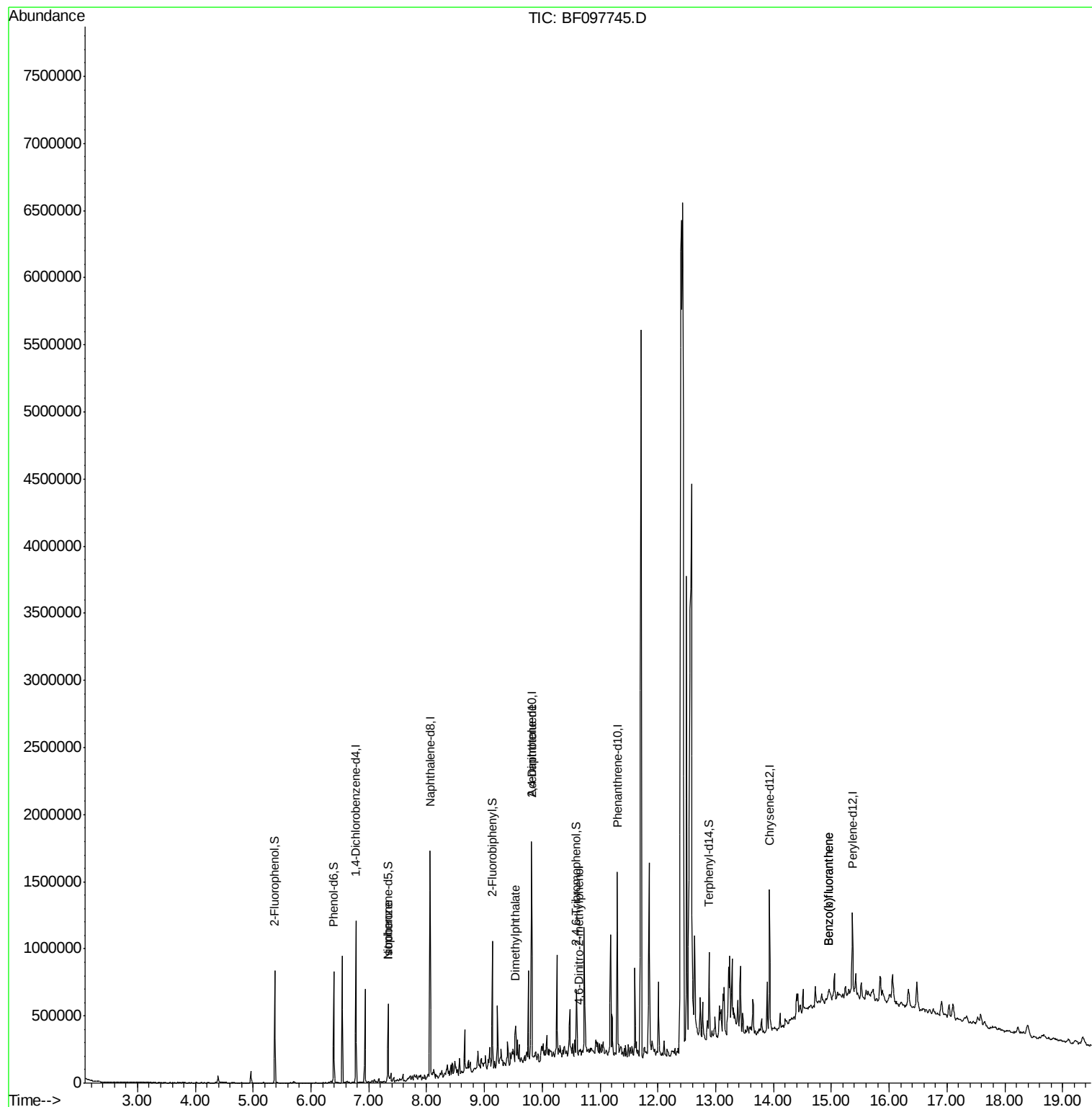
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	172599	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	661015	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	275098	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	442126	20.00	ng	0.00
75) Chrysene-d12	13.93	240	339575	20.00	ng	0.00
86) Perylene-d12	15.37	264	295477	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	205800	18.14	ng	-0.01
7) Phenol-d6	6.40	99	273677	17.75	ng	-0.01
23) Nitrobenzene-d5	7.33	82	164214	13.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	37867	15.86	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	265610	14.19	ng	-0.01
78) Terphenyl-d14	12.89	244	168541	10.35	ng	0.00
Target Compounds						
25) Isophorone	7.33	82	162133	6.41	ng	# 67
49) Dimethylphthalate	9.53	163	47871	2.38	ng	# 99
56) 2,4-Dinitrotoluene	9.82	165	38787	7.70	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.63	198	364	8.47	ng	# 1
87) Benzo(b)fluoranthene	14.95	252	40028	2.15	ng	# 72
88) Benzo(k)fluoranthene	14.95	252	40503	2.31	ng	# 76

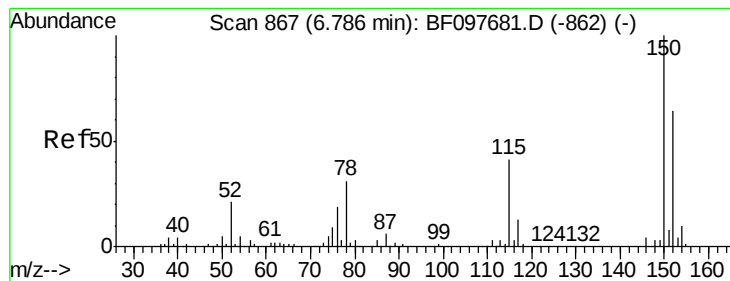
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 15 13:25:08 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF097745.D

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Instrument :

BNA_F

ClientSampleId :

EO-02-081417-A

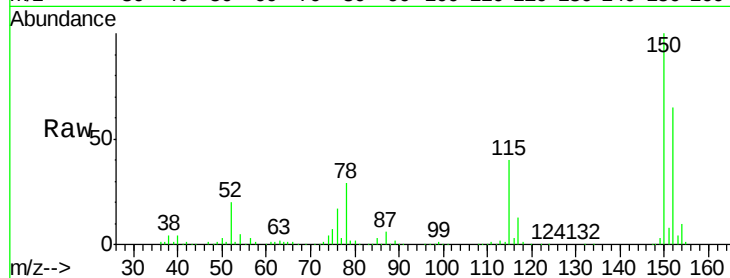
Tot Ion:152 Resp: 172599

Ion Ratio Lower Upper

152 100

150 154.0 126.2 189.2

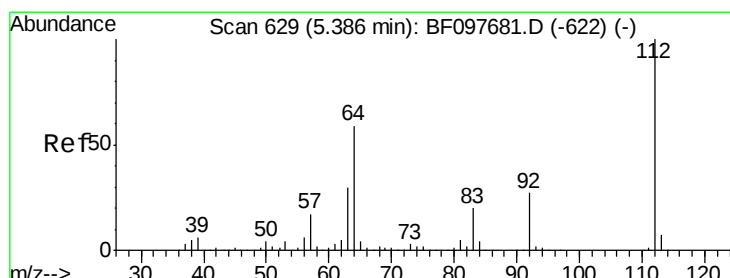
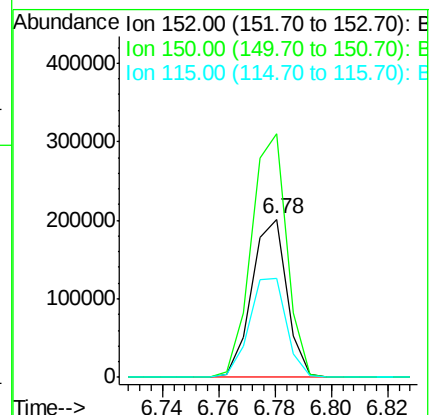
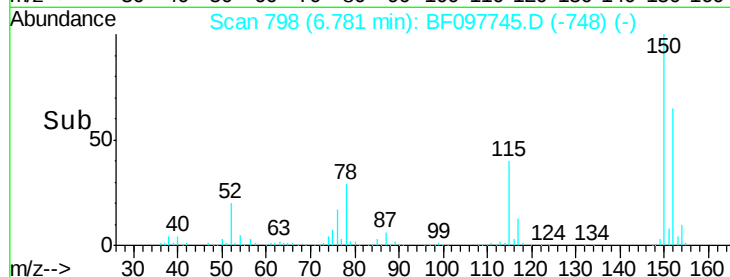
115 62.2 52.2 78.2



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: 18.14 ng

RT: 5.37 min Scan# 559

Delta R.T. -0.01 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

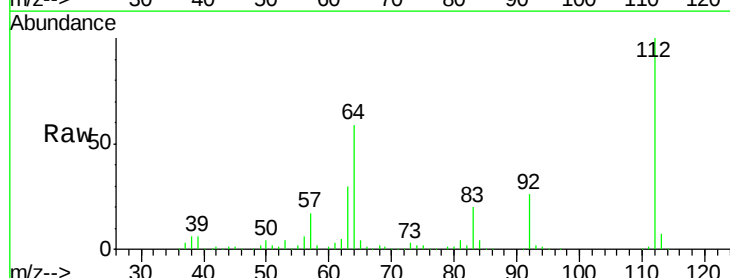
Tgt Ion:112 Resp: 205800

Ion Ratio Lower Upper

112 100

64 59.2 46.0 69.0

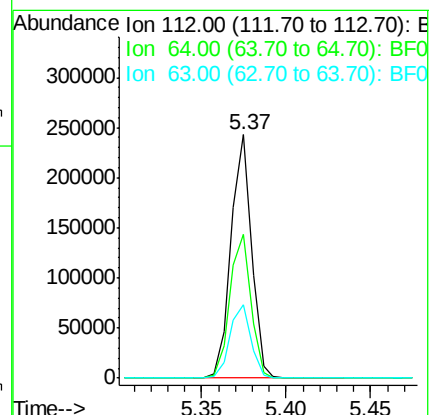
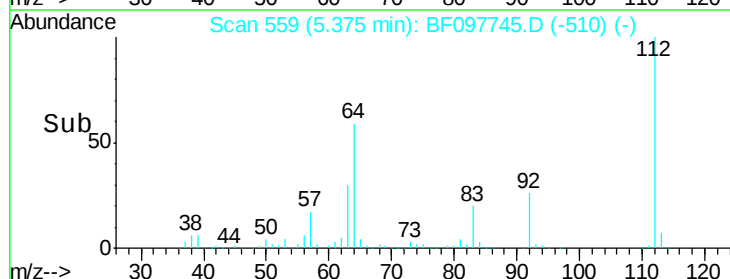
63 30.0 23.4 35.0

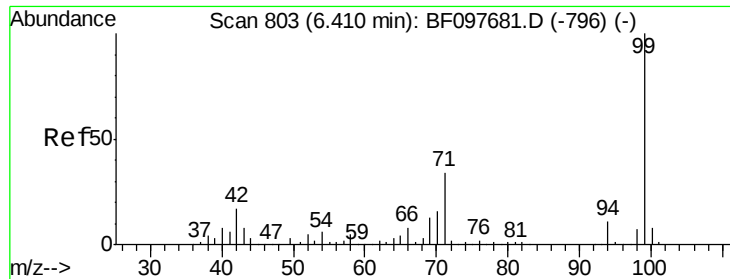


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.75 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-A

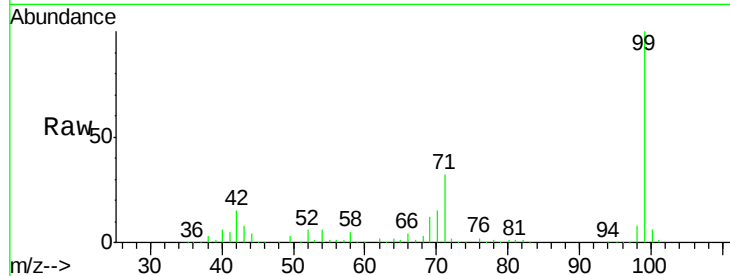
Tot Ion: 99 Resp: 273677

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

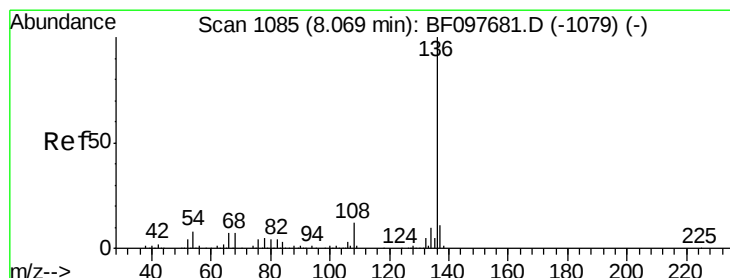
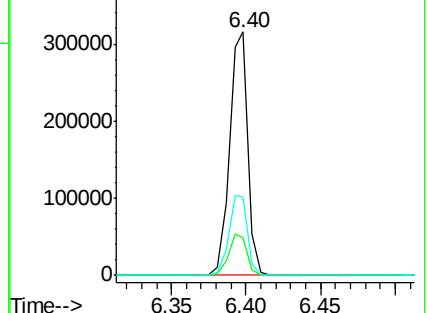
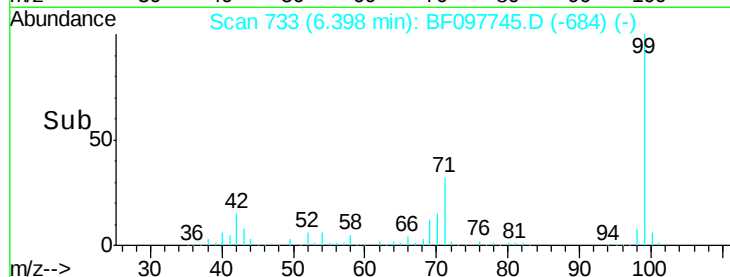
71 32.0 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

Tgt Ion: 136 Resp: 661015

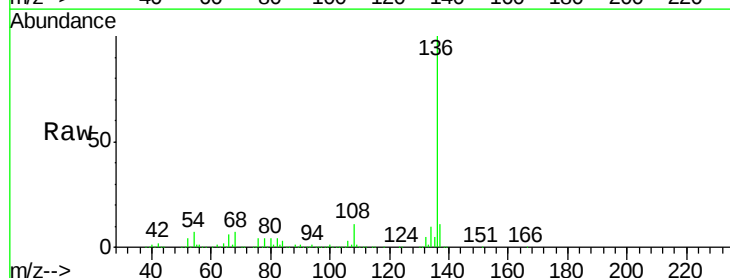
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.4 4.9 7.3#

68 6.9 4.1 6.1#

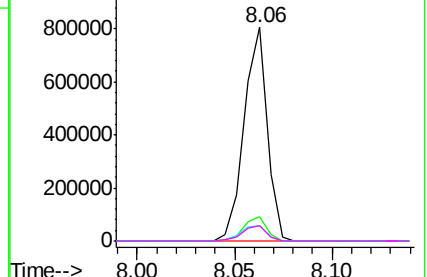
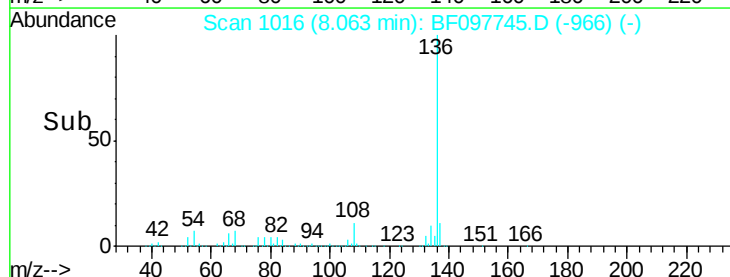


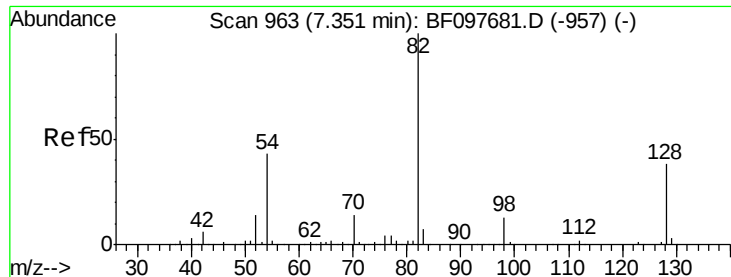
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 13.50 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-A

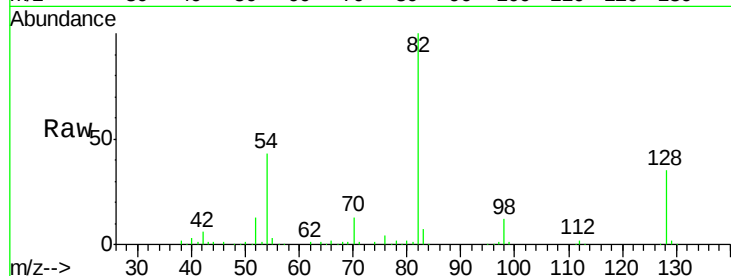
Tot Ion: 82 Resp: 164214

Ion Ratio Lower Upper

82 100

128 35.3 34.0 51.0

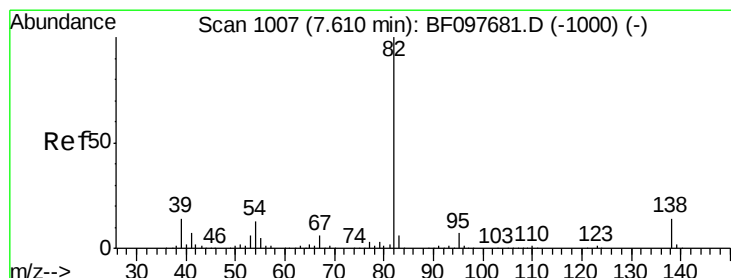
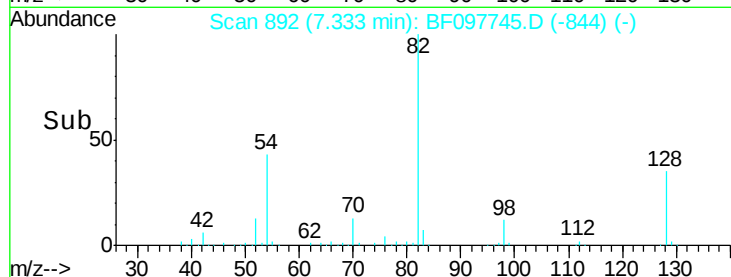
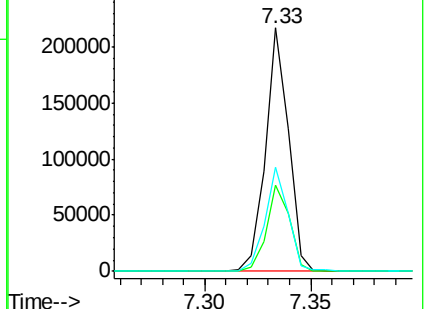
54 42.7 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 6.41 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

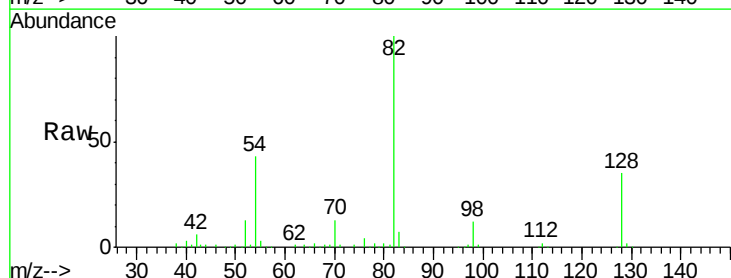
Tgt Ion: 82 Resp: 162133

Ion Ratio Lower Upper

82 100

95 0.3 5.3 7.9#

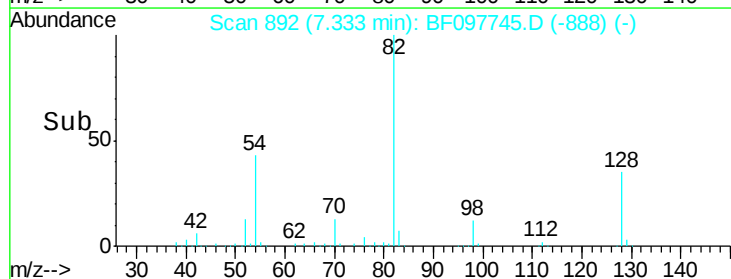
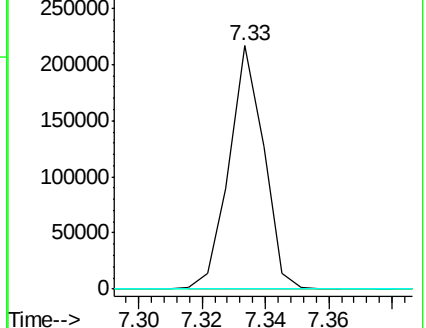
138 0.0 13.1 19.7#

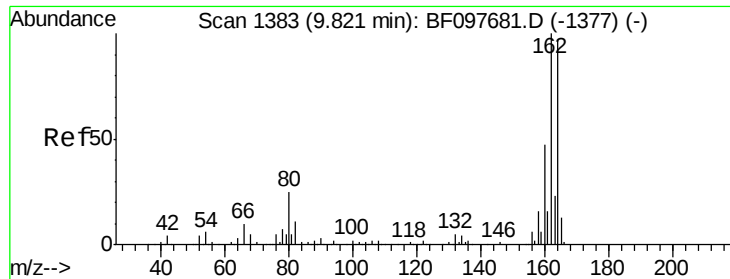


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

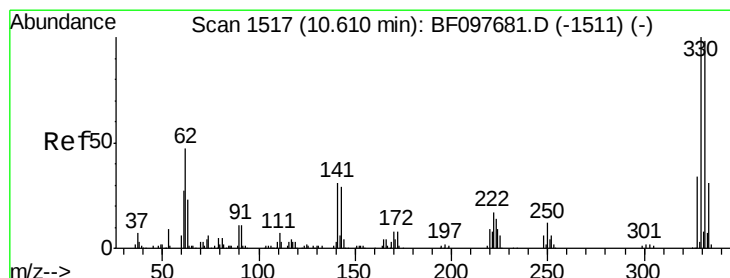
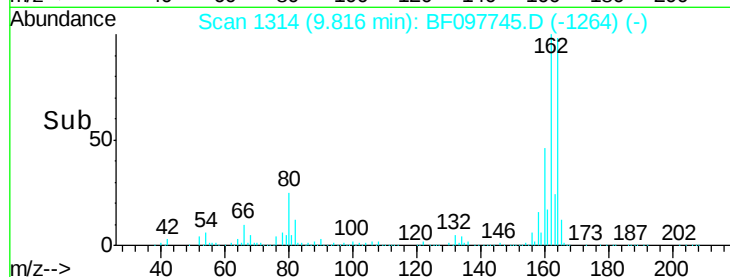
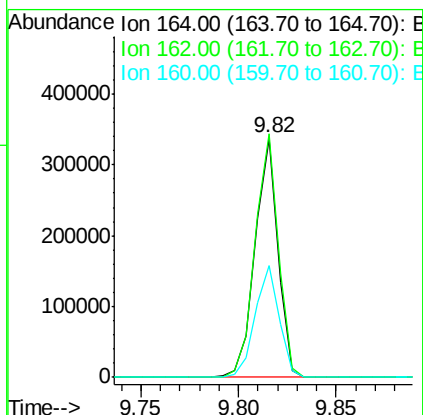
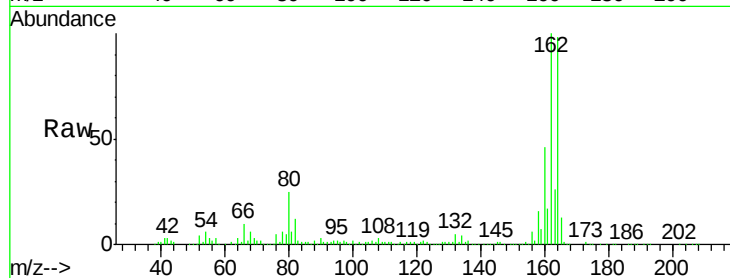




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097745.D
 Acq: 16 Aug 2017 18:11

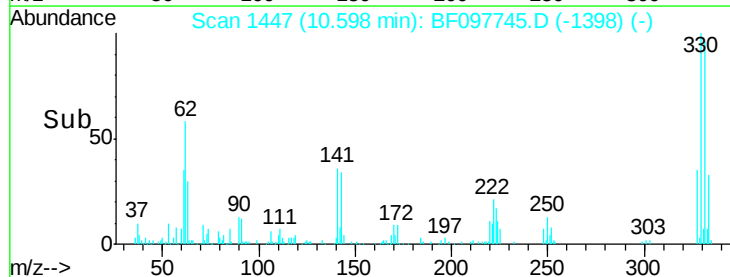
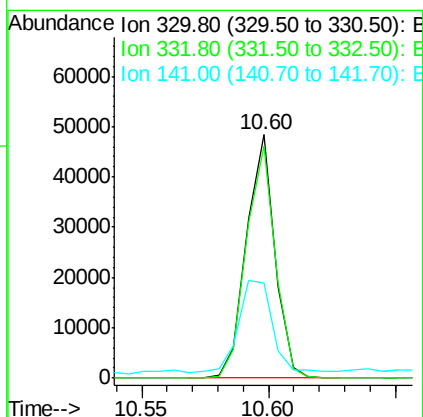
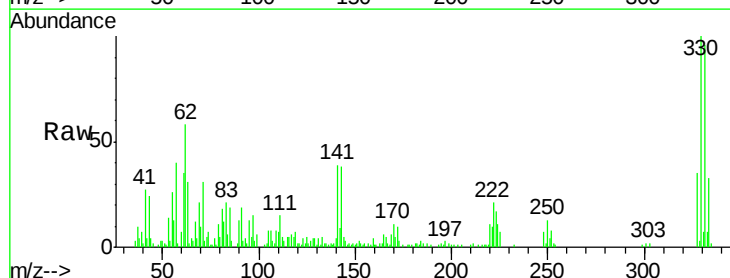
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081417-A

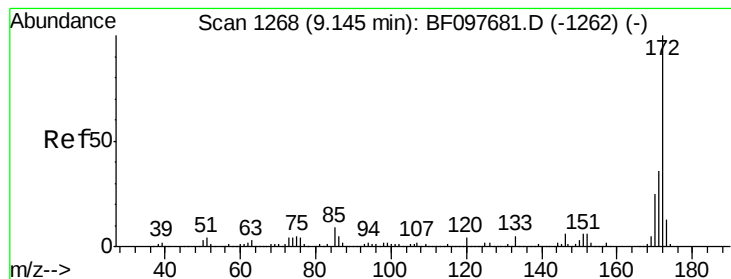
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	46.8	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 15.86 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097745.D
 Acq: 16 Aug 2017 18:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	45.5	31.4	47.2





#44

2-Fluorobiphenyl

Concen: 14.19 ng

RT: 9.13 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-A

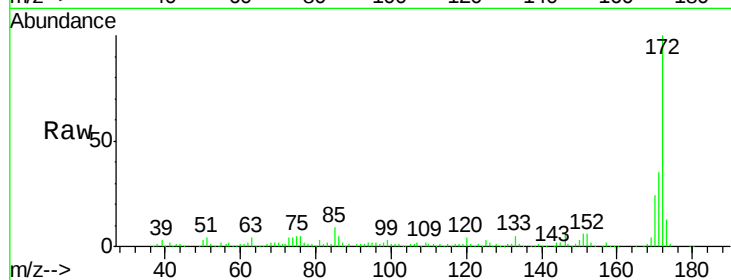
Tot Ion:172 Resp: 265610

Ion Ratio Lower Upper

172 100

171 35.0 29.6 44.4

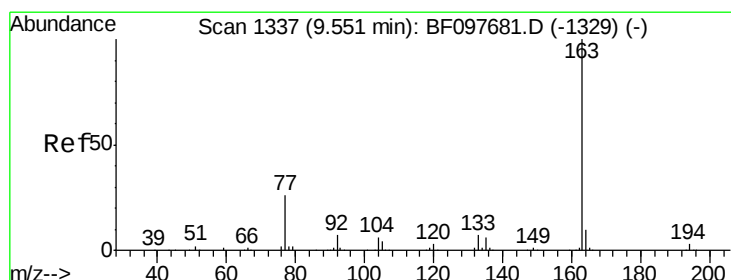
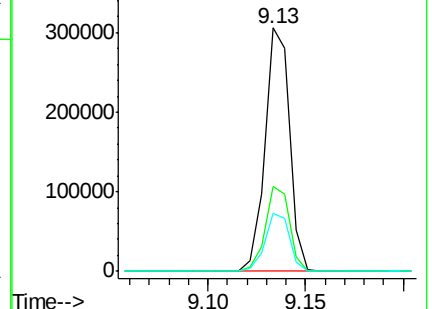
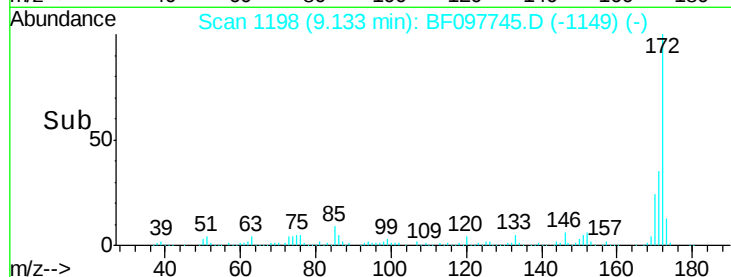
170 23.6 19.8 29.8



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: 2.38 ng

RT: 9.53 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

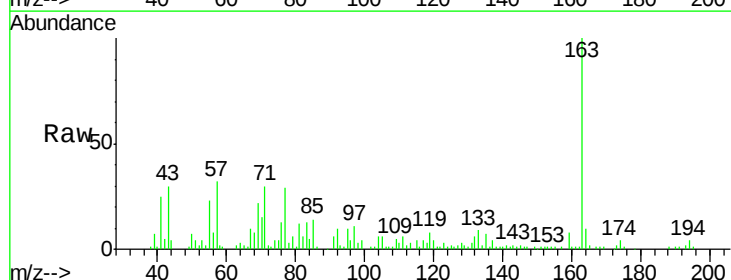
Tgt Ion:163 Resp: 47871

Ion Ratio Lower Upper

163 100

194 4.3 2.6 4.0#

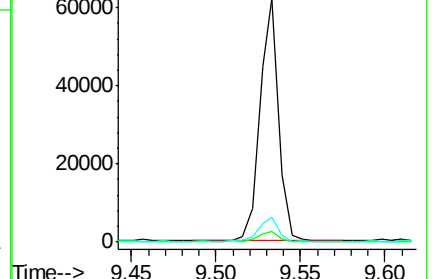
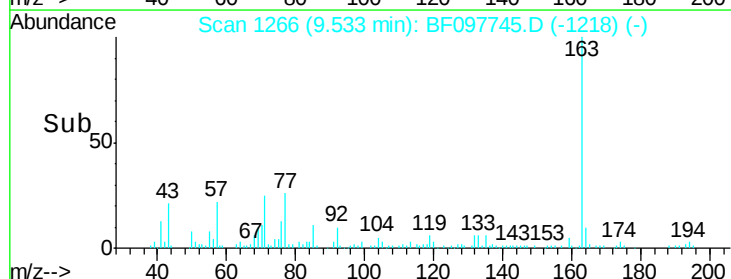
164 10.1 8.4 12.6

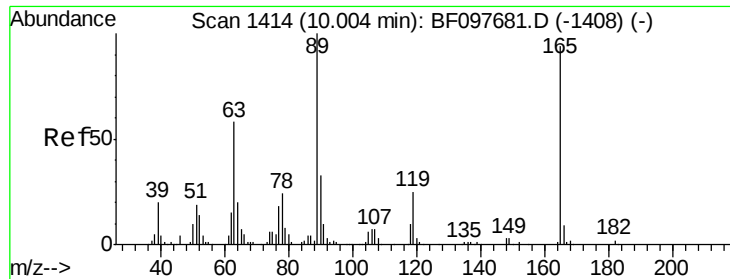


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

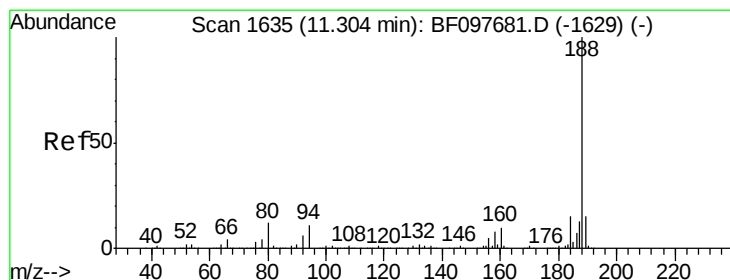
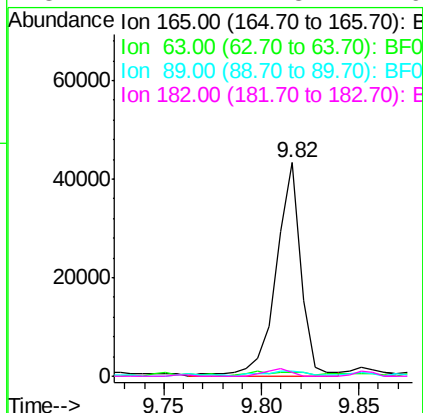
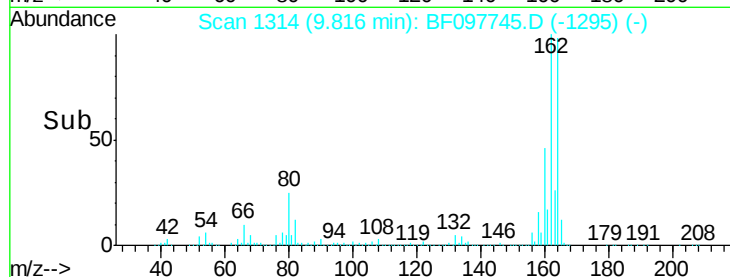
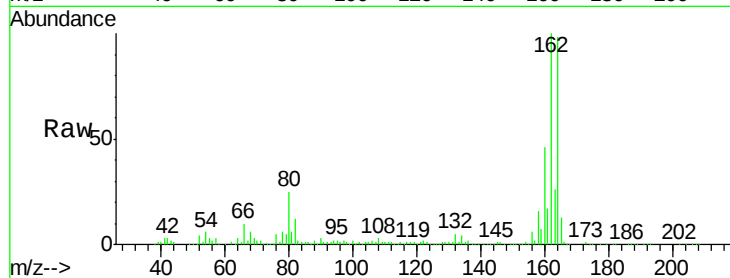




#56
 2,4-Dinitrotoluene
 Concen: 7.70 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.19 min
 Lab File: BF097745.D
 Acq: 16 Aug 2017 18:11

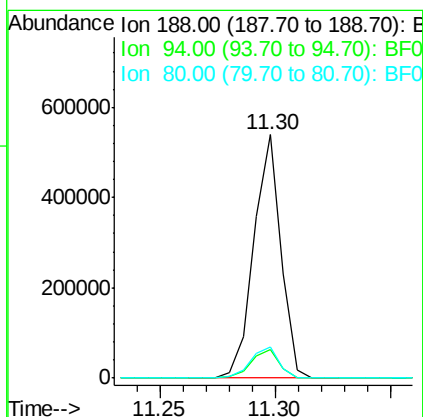
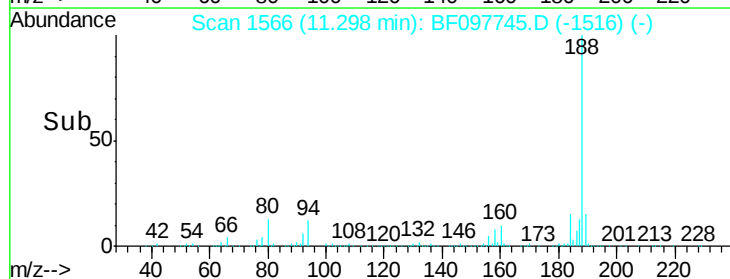
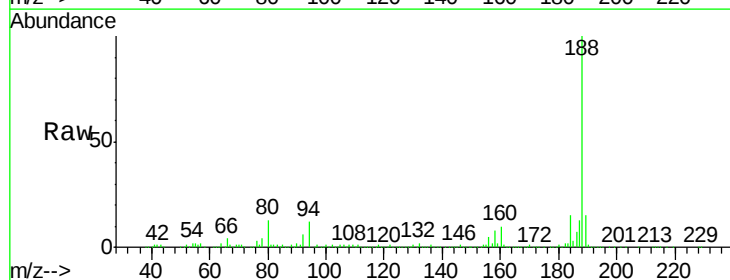
Instrument :
 BNA_F
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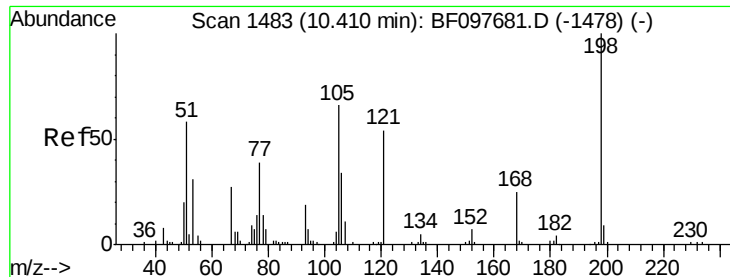
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	2.4	46.4	69.6#
182	1.7	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF097745.D
 Acq: 16 Aug 2017 18:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.4	14.2
80	12.9	10.2	15.2

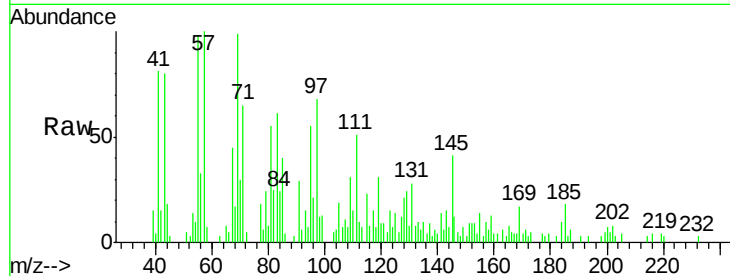




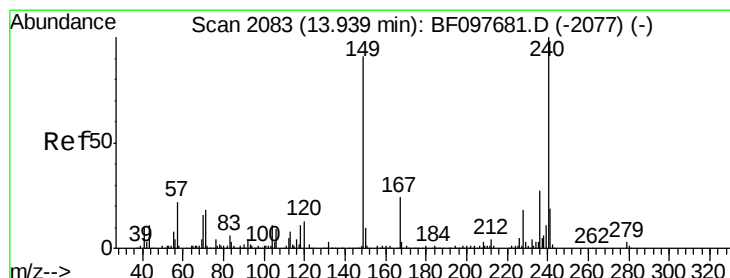
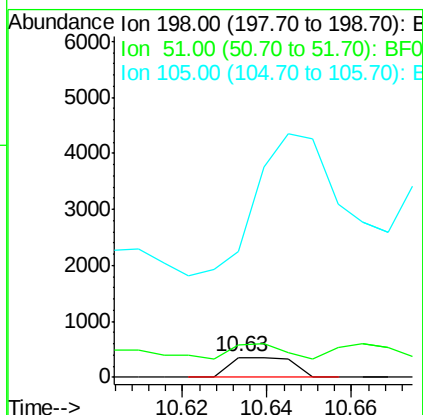
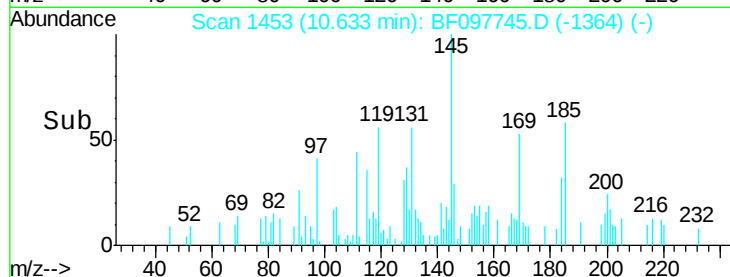
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.47 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.22 min
 Lab File: BF097745.D
 Acq: 16 Aug 2017 18:11

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081417-A

Tot Ion:198 Resp: 364
 Ion Ratio Lower Upper
 198 100
 51 161.3 53.2 93.2#
 105 627.0 45.8 85.8#

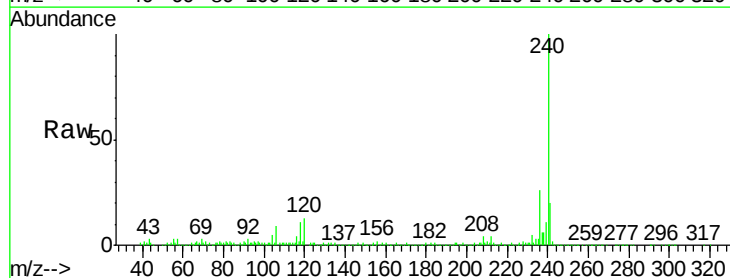


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

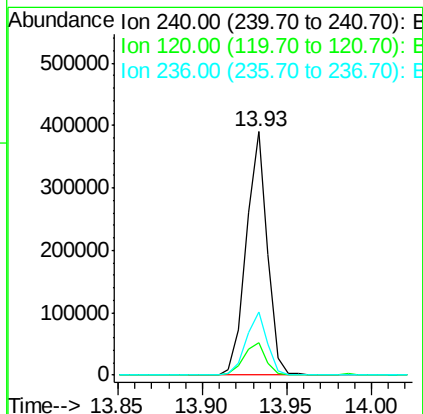
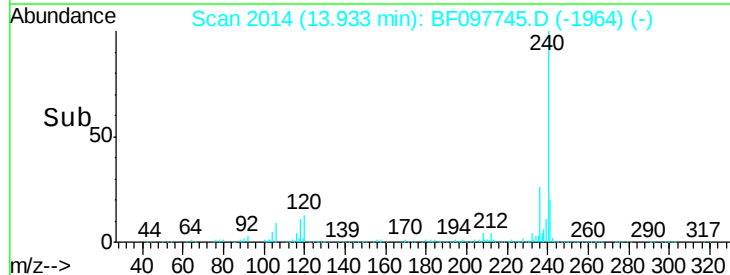


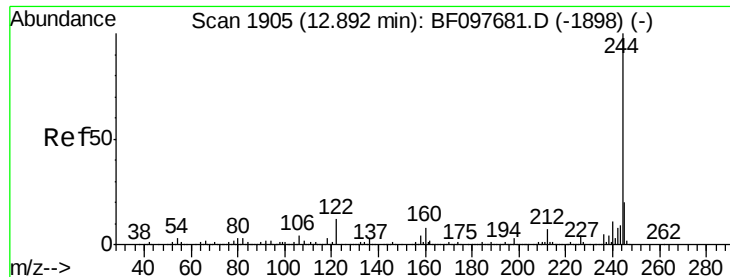
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF097745.D
 Acq: 16 Aug 2017 18:11

Tgt Ion:240 Resp: 339575
 Ion Ratio Lower Upper
 240 100
 120 13.2 5.8 8.8#
 236 26.1 20.5 30.7



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

Terphenyl-d14

Concen: 10.35 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

Instrument :

BNA_F

ClientSampleId :

EO-02-081417-A

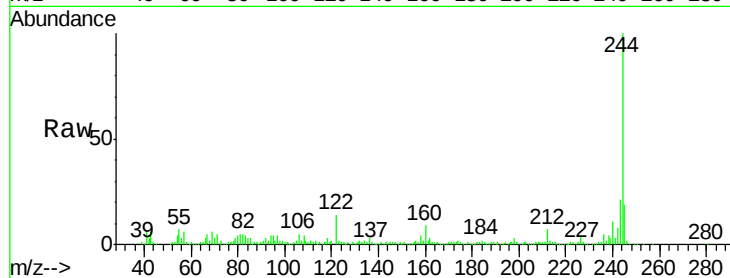
Tot Ion:244 Resp: 168541

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

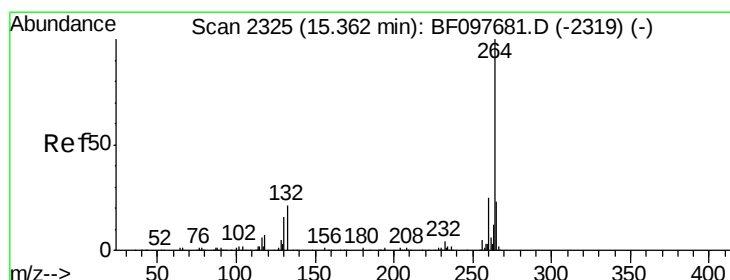
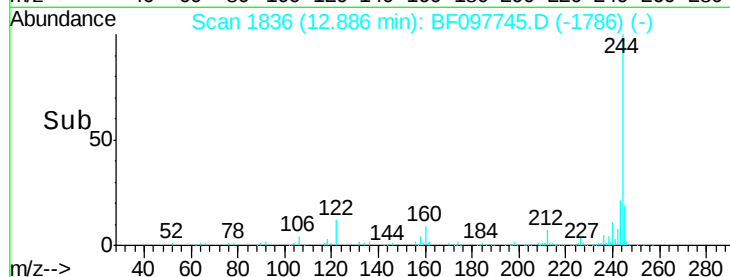
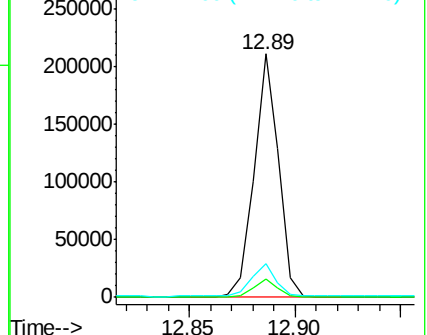
122 13.6 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.01 min

Lab File: BF097745.D

Acq: 16 Aug 2017 18:11

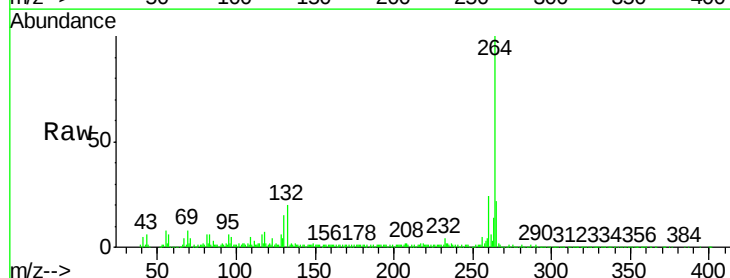
Tgt Ion:264 Resp: 295477

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

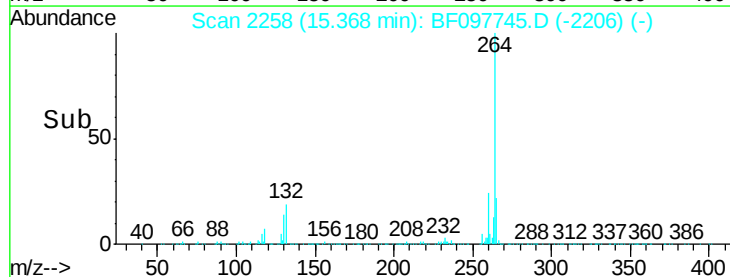
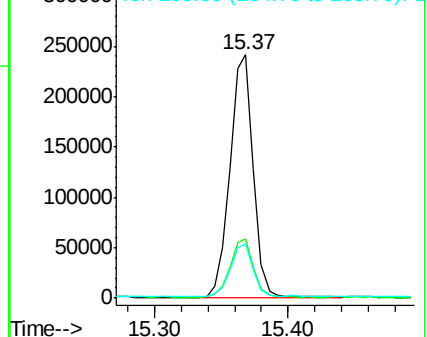
265 22.1 17.2 25.8

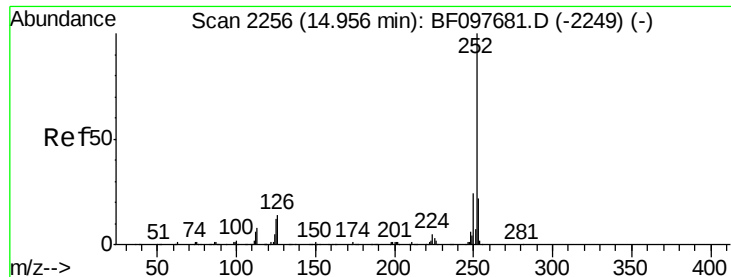


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

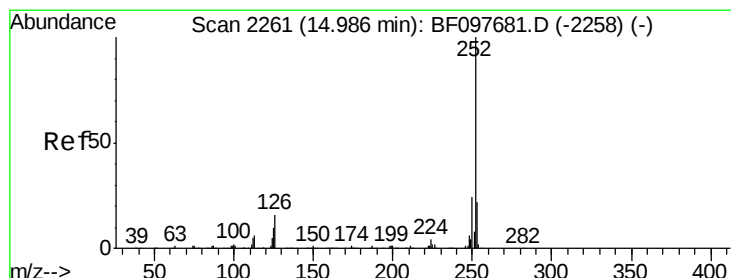
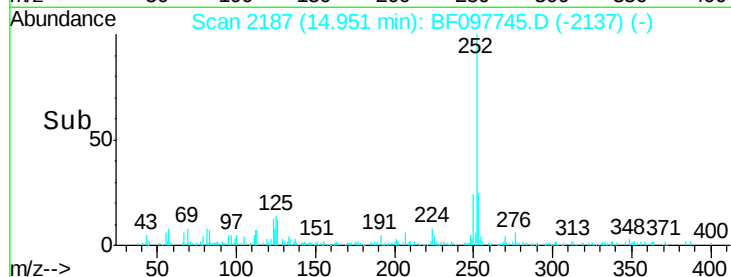
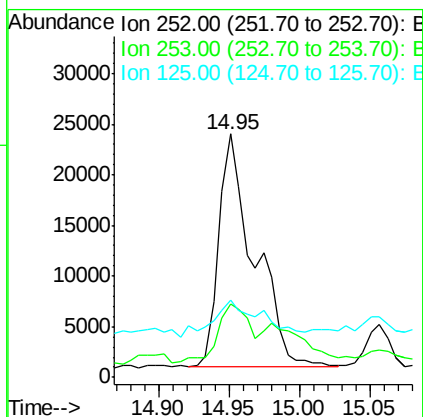
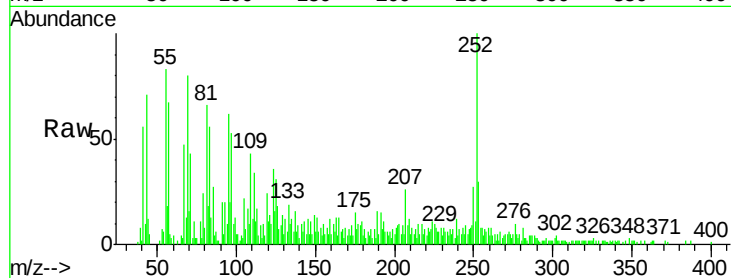




#87
Benzo(b)fluoranthene
Concen: 2.15 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097745.D
Acq: 16 Aug 2017 18:11

Instrument :
BNA_F
ClientSampleId :
EO-02-081417-A

Tot Ion:252 Resp: 40028
Ion Ratio Lower Upper
252 100
253 30.4 18.1 27.1#
125 31.5 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.31 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF097745.D
Acq: 16 Aug 2017 18:11

Tgt Ion:252 Resp: 40503
Ion Ratio Lower Upper
252 100
253 30.4 18.4 27.6#
125 31.5 13.1 19.7#

