

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041917\
 Data File : BF094531.D
 Acq On : 19 Apr 2017 22:21
 Operator : SJ/MA
 Sample : I2750-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 03:08:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	129778	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	530959	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	211975	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	409531	20.00	ng	0.00
75) Chrysene-d12	14.46	240	274657	20.00	ng	0.00
86) Perylene-d12	16.08	264	257387	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.32	112	961464	122.91	ng	0.02
7) Phenol-d6	5.40	99	1180868	128.05	ng	0.00
23) Nitrobenzene-d5	6.42	82	733729	85.33	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	232993	140.52	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1159946	80.51	ng	0.00
78) Terphenyl-d14	13.19	244	870300	84.70	ng	0.00

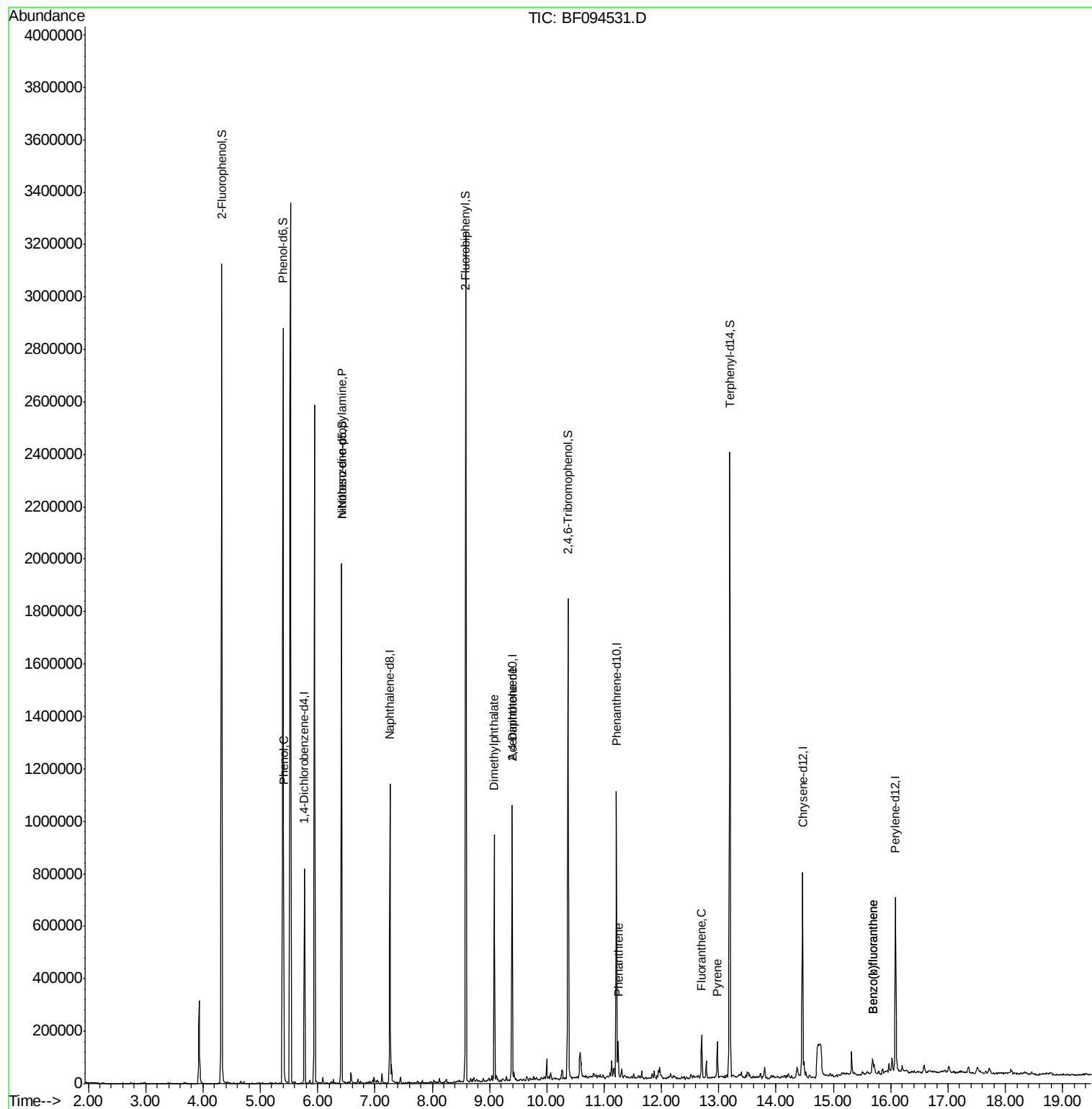
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	5.41	94	28196	2.49	ng	88
19) n-Nitroso-di-n-propylamine	6.42	70	98635	16.14	ng	# 77
49) Dimethylphthalate	9.08	163	376089	23.81	ng	99
56) 2,4-Dinitrotoluene	9.40	165	28294	6.50	ng	# 34
70) Phenanthrene	11.24	178	52144	2.26	ng	99
74) Fluoranthene	12.70	202	68511	2.87	ng	98
77) Pyrene	12.98	202	58266	3.04	ng	97
87) Benzo(b)fluoranthene	15.68	252	37075	2.35	ng	# 96
88) Benzo(k)fluoranthene	15.68	252	37075	2.49	ng	98

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

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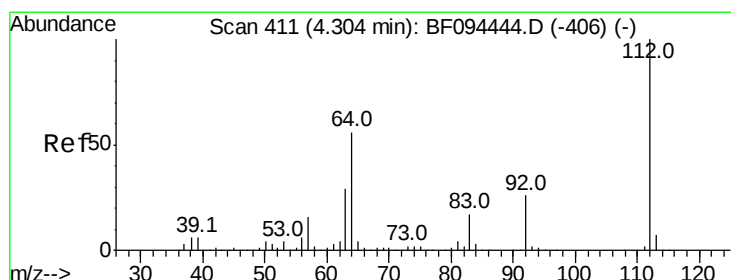
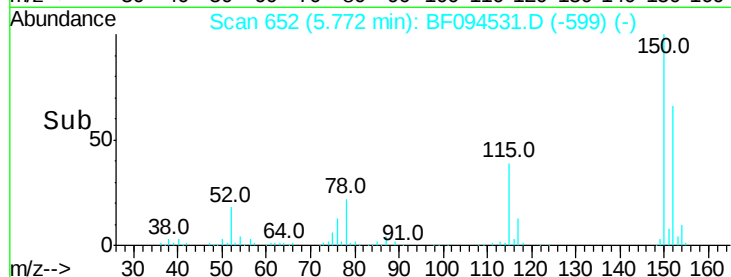
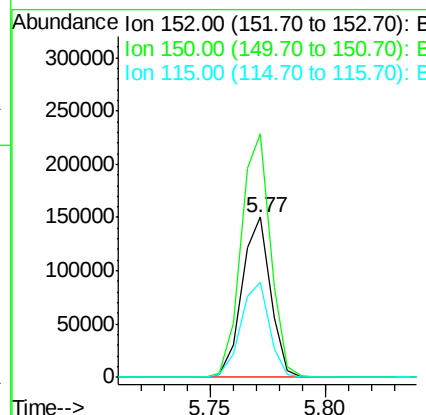
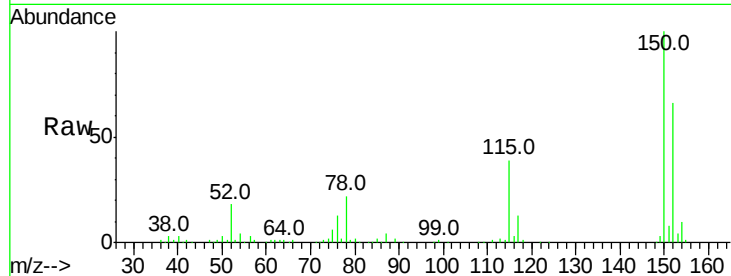




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.77 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: BF094531.D
 Acq: 19 Apr 2017 22:21

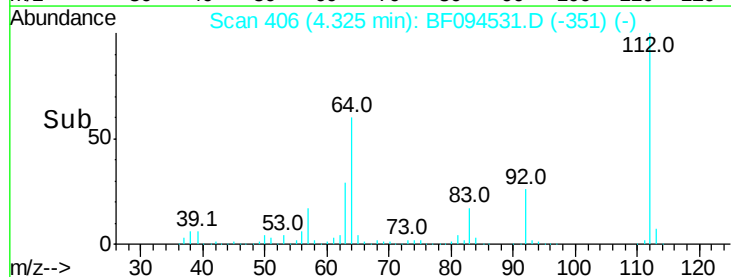
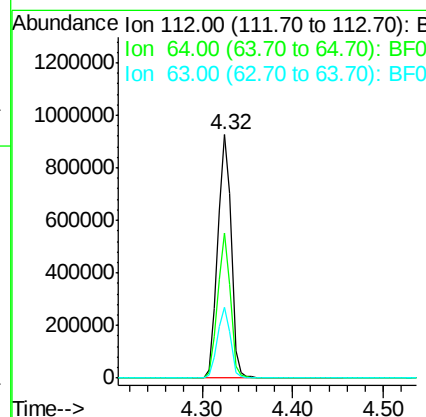
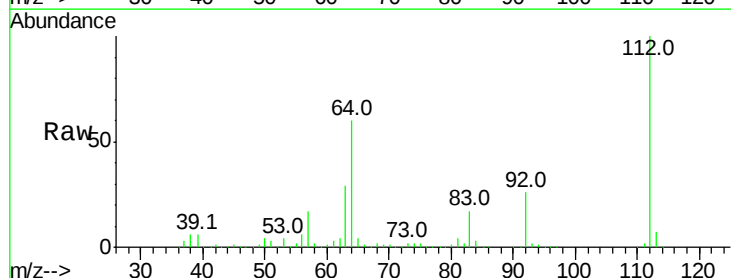
Instrument :
 BNA_F
 ClientSampleId :

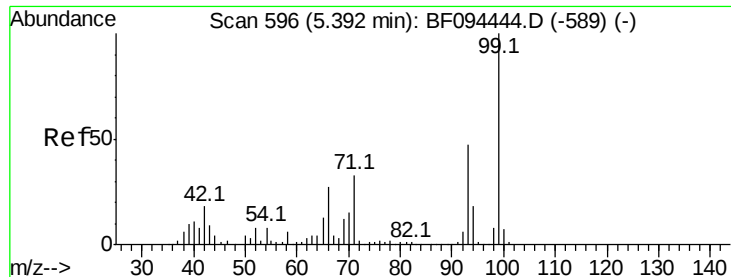
Tot Ion:152 Resp: 129778
 Ion Ratio Lower Upper
 152 100
 150 152.3 126.2 189.2
 115 59.2 52.2 78.2



#5
 2-Fluorophenol
 Concen: 122.91 ng
 RT: 4.32 min Scan# 406
 Delta R.T. 0.02 min
 Lab File: BF094531.D
 Acq: 19 Apr 2017 22:21

Tgt Ion:112 Resp: 961464
 Ion Ratio Lower Upper
 112 100
 64 59.5 46.0 69.0
 63 29.1 23.4 35.0





#7

Phenol-d6

Concen: 128.05 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094531.D

Acq: 19 Apr 2017 22:21

Instrument :

BNA_F

ClientSampleId :

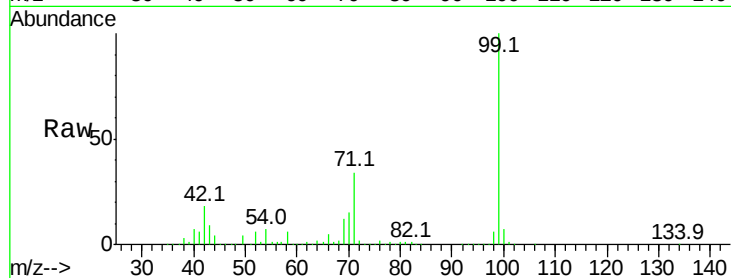
Tot Ion: 99 Resp: 1180868

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

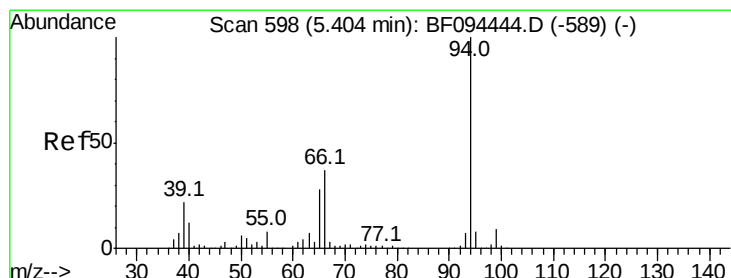
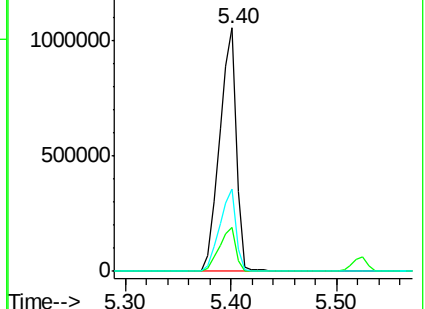
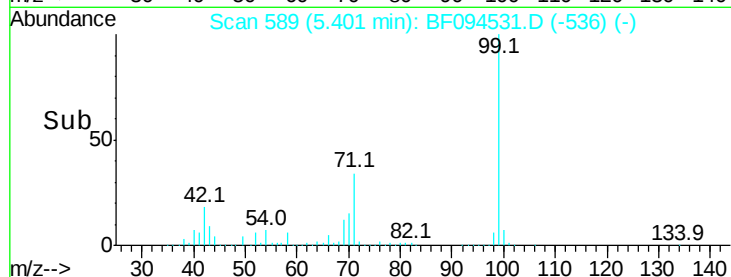
71 34.0 24.5 36.7



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



#10

Phenol

Concen: 2.49 ng

RT: 5.41 min Scan# 591

Delta R.T. 0.01 min

Lab File: BF094531.D

Acq: 19 Apr 2017 22:21

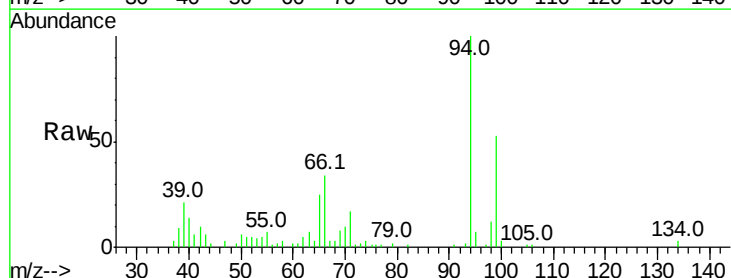
Tgt Ion: 94 Resp: 28196

Ion Ratio Lower Upper

94 100

65 25.2 9.9 49.9

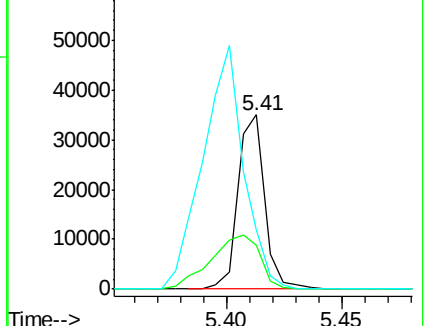
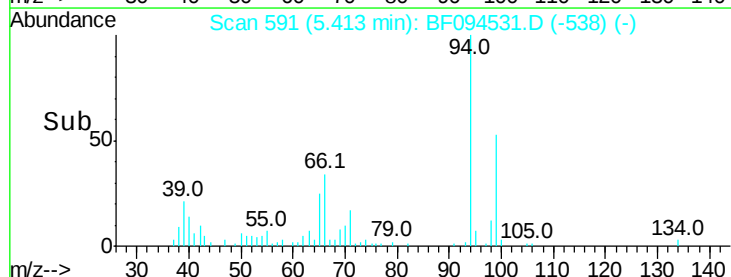
66 33.8 23.1 63.1

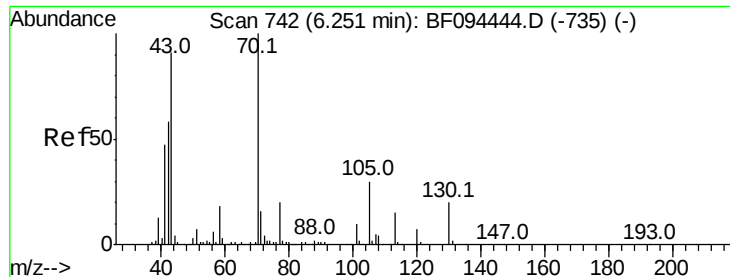


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

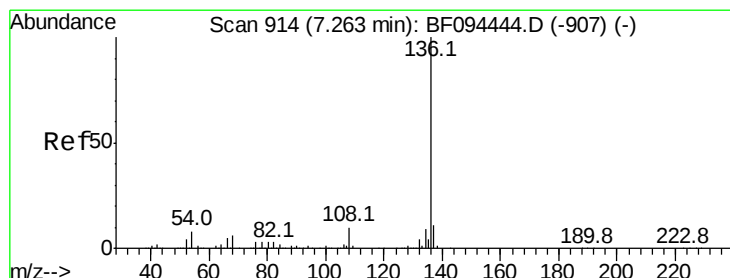
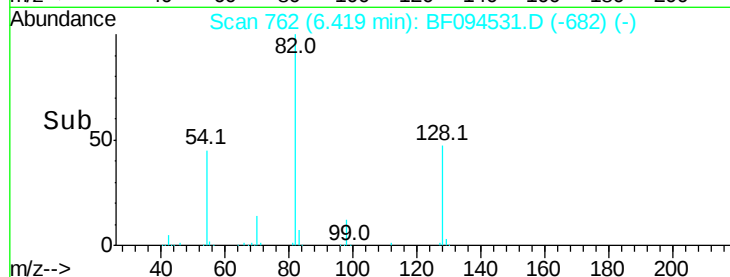
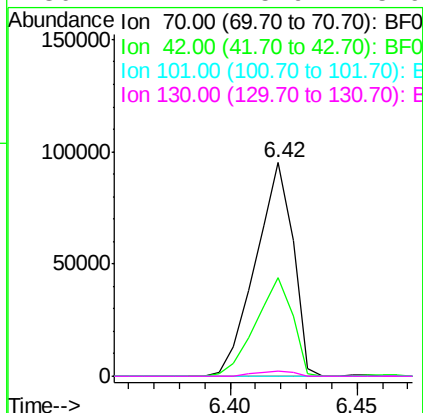
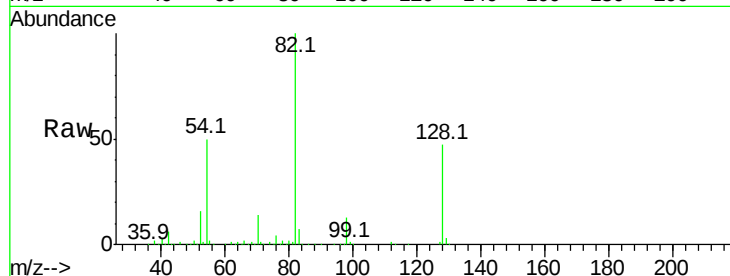




#19
n-Nitroso-di-n-propylamine
Concen: 16.14 ng
RT: 6.42 min Scan# 762
Delta R.T. 0.17 min
Lab File: BF094531.D
Acq: 19 Apr 2017 22:21

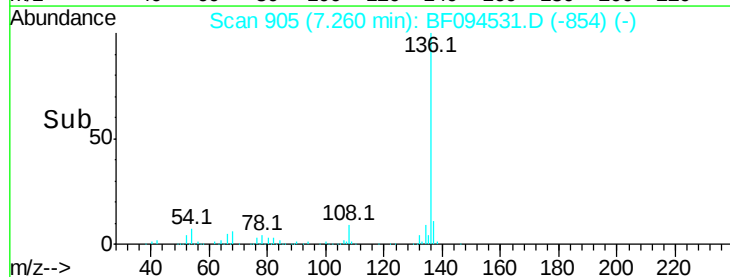
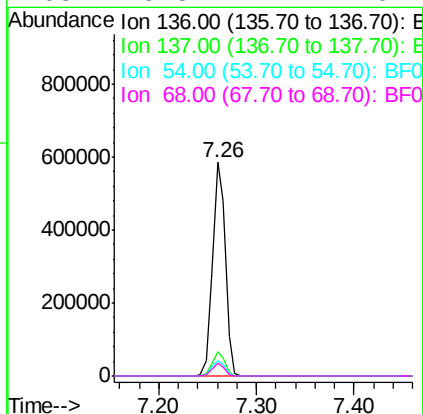
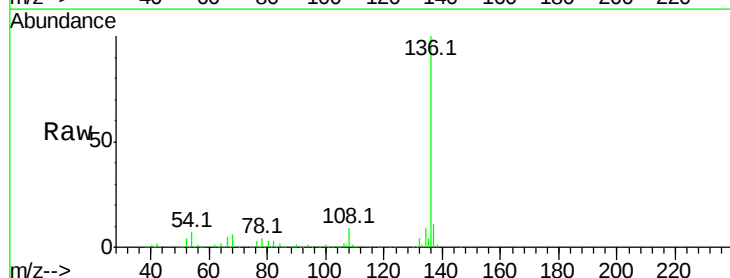
Instrument :
BNA_F
ClientSampleId :

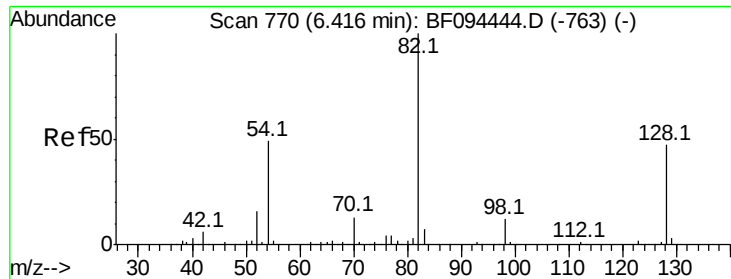
Tot Ion: 70 Resp: 98635
Ion Ratio Lower Upper
70 100
42 46.2 47.2 70.8#
101 0.0 7.2 10.8#
130 2.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.26 min Scan# 905
Delta R.T. -0.00 min
Lab File: BF094531.D
Acq: 19 Apr 2017 22:21

Tgt Ion:136 Resp: 530959
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 7.4 4.9 7.3#
68 5.8 4.1 6.1

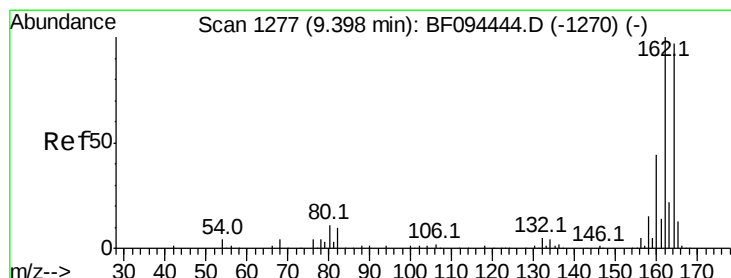
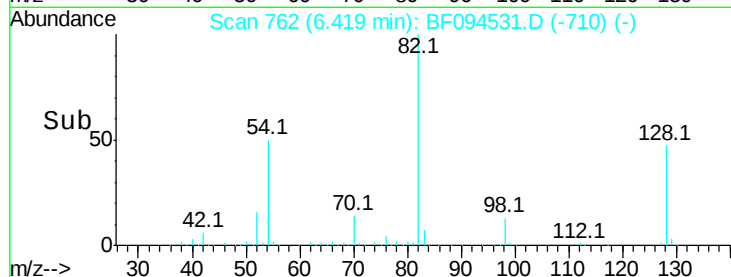
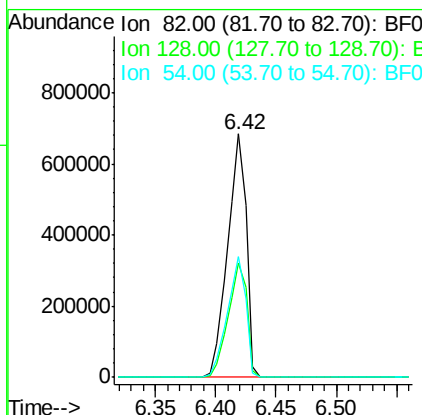
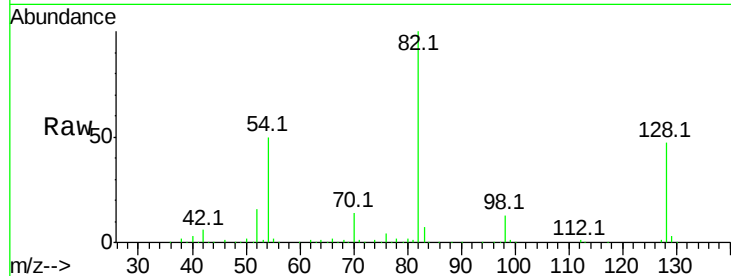




#23
 Nitrobenzene-d5
 Concen: 85.33 ng
 RT: 6.42 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF094531.D
 Acq: 19 Apr 2017 22:21

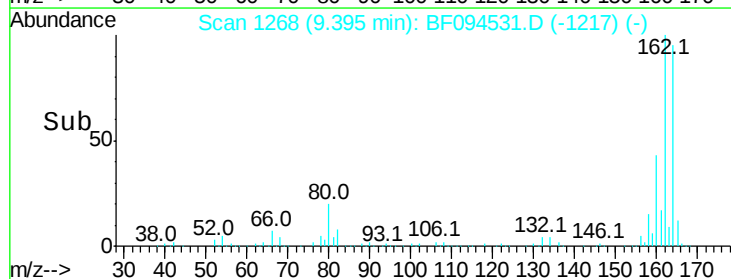
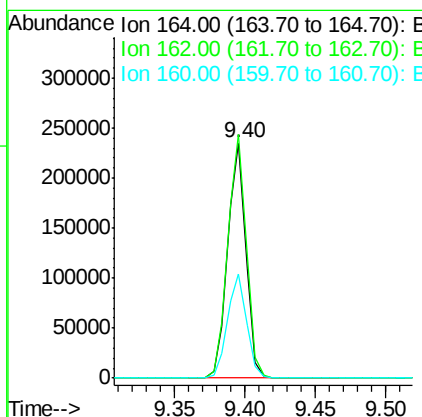
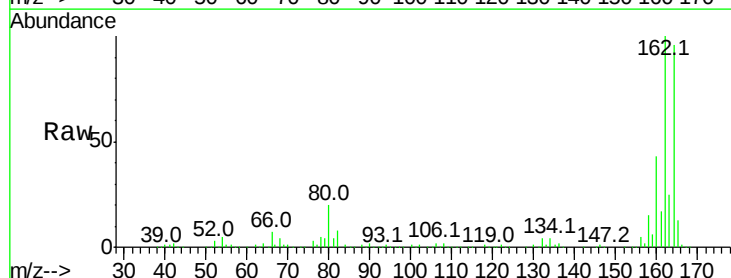
Instrument :
 BNA_F
 ClientSampled :

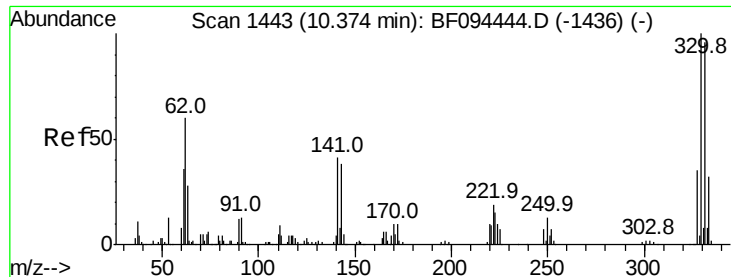
Tot Ion	82	Resp	733729
Ion Ratio	Lower	Upper	
82	100		
128	47.0	34.0	51.0
54	49.5	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094531.D
 Acq: 19 Apr 2017 22:21

Tgt Ion	164	Resp	211975
Ion Ratio	Lower	Upper	
164	100		
162	103.7	82.6	123.8
160	44.1	36.2	54.2

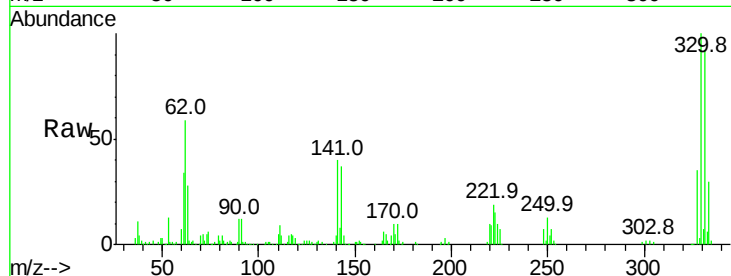




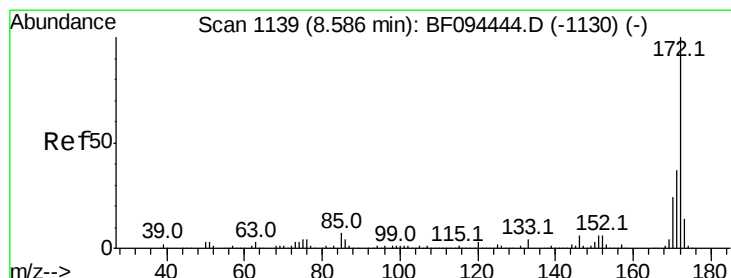
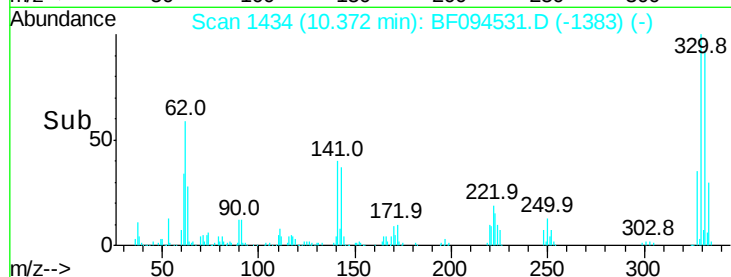
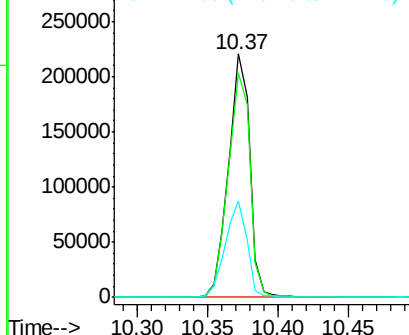
#41
 2,4,6-Tribromophenol
 Concen: 140.52 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094531.D
 Acq: 19 Apr 2017 22:21

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	40.6	31.4	47.2

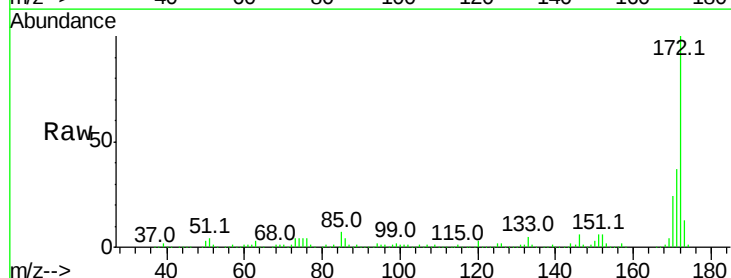


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

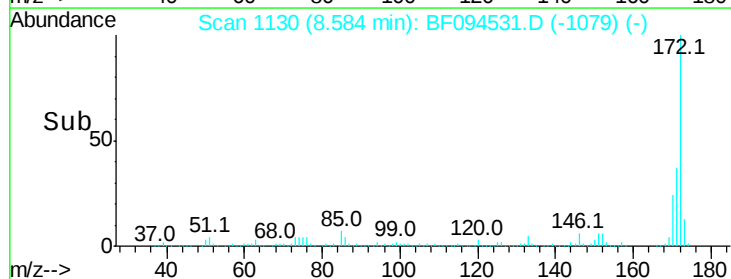
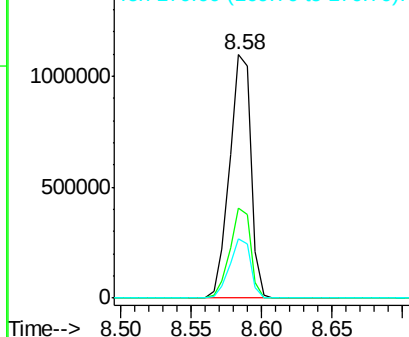


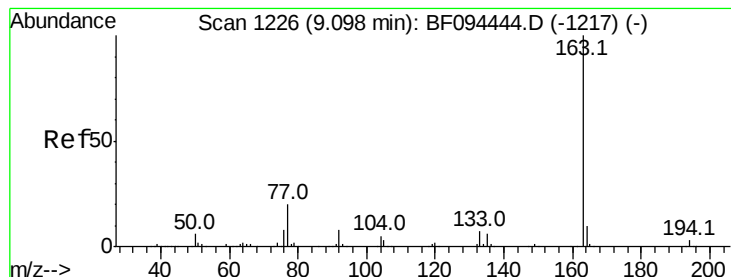
#44
 2-Fluorobiphenyl
 Concen: 80.51 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094531.D
 Acq: 19 Apr 2017 22:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.3	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: 23.81 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF094531.D

Acq: 19 Apr 2017 22:21

Instrument :

BNA_F

ClientSampled :

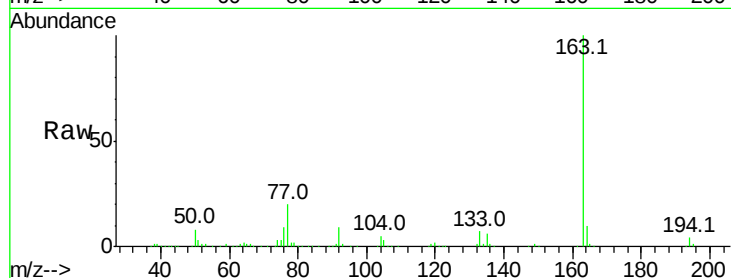
Tot Ion:163 Resp: 376089

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

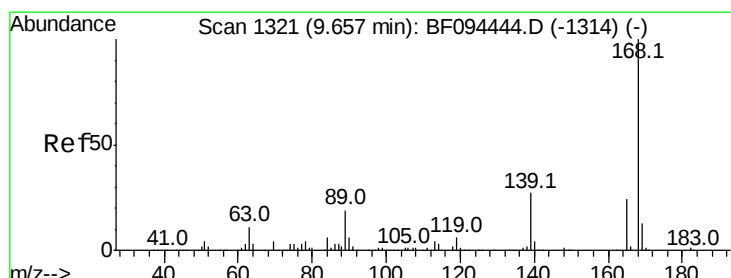
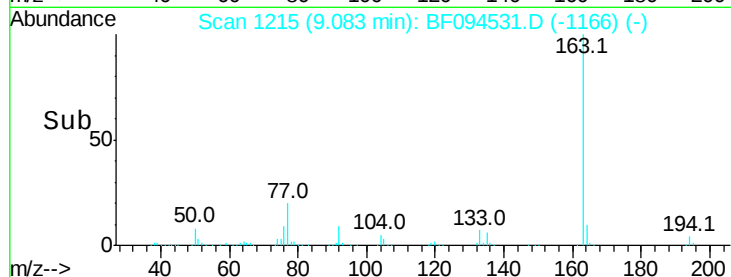
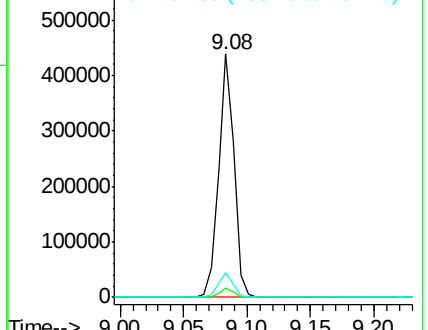
164 10.0 8.4 12.6



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: 6.50 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.26 min

Lab File: BF094531.D

Acq: 19 Apr 2017 22:21

Tgt Ion:165 Resp: 28294

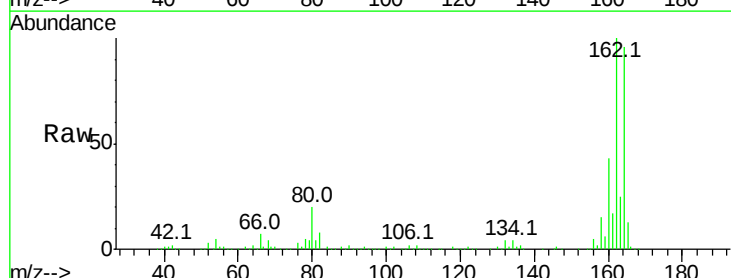
Ion Ratio Lower Upper

165 100

63 2.7 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

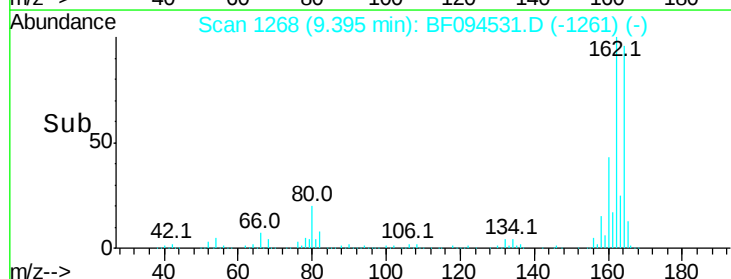
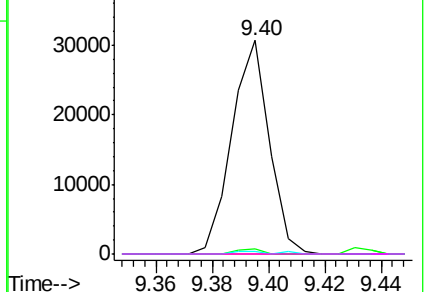


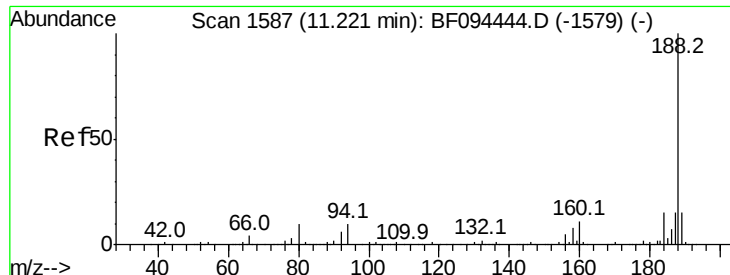
Abundance Ion 165.00 (164.70 to 165.70): E

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

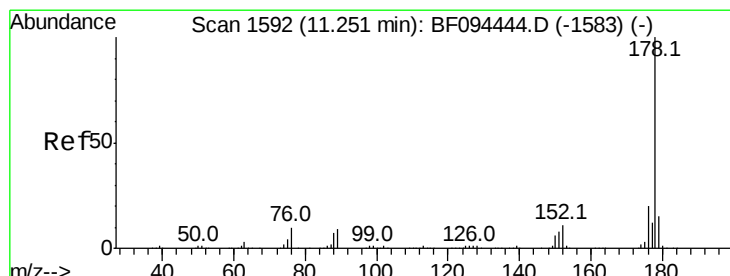
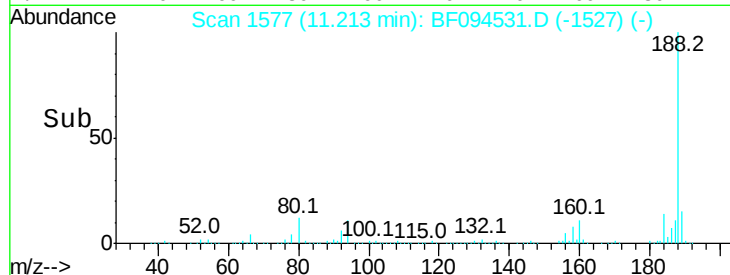
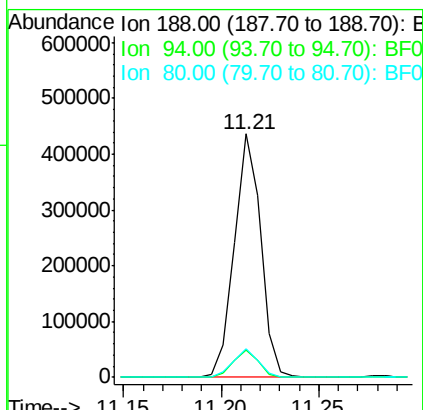
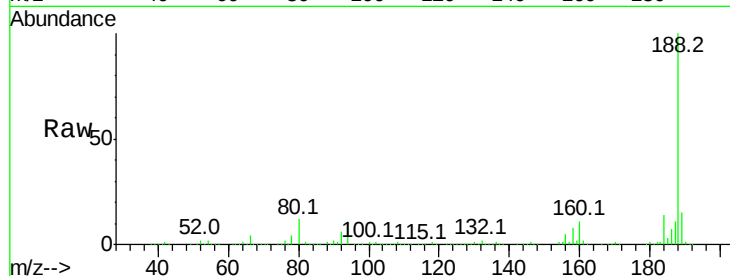




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF094531.D
 Acq: 19 Apr 2017 22:21

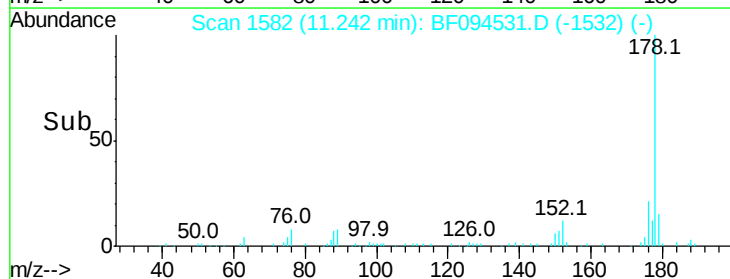
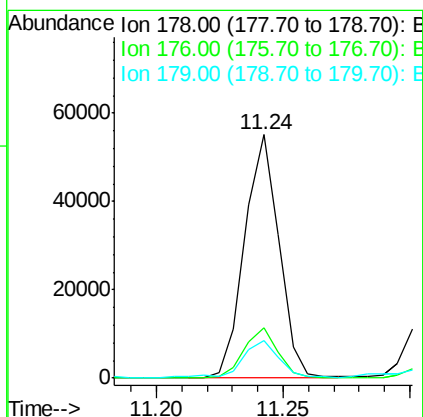
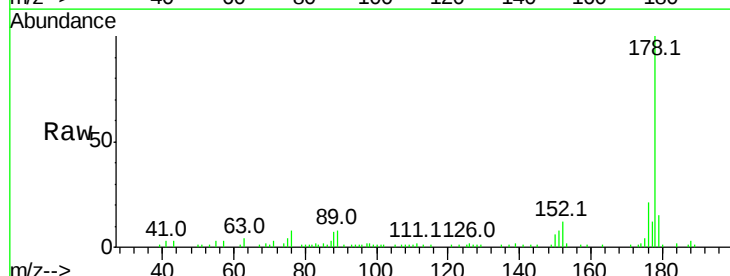
Instrument :
 BNA_F
 ClientSampled :

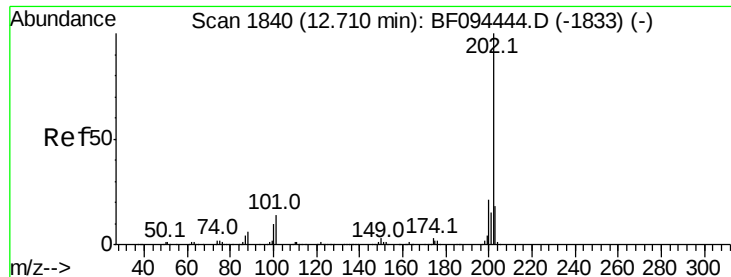
Tot Ion:188 Resp: 409531
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 11.9 10.2 15.2



#70
 Phenanthrene
 Concen: 2.26 ng
 RT: 11.24 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF094531.D
 Acq: 19 Apr 2017 22:21

Tgt Ion:178 Resp: 52144
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.2 24.4
 179 15.3 12.6 19.0





#74

Fluoranthene

Concen: 2.87 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094531.D

Acq: 19 Apr 2017 22:21

Instrument :

BNA_F

ClientSampled :

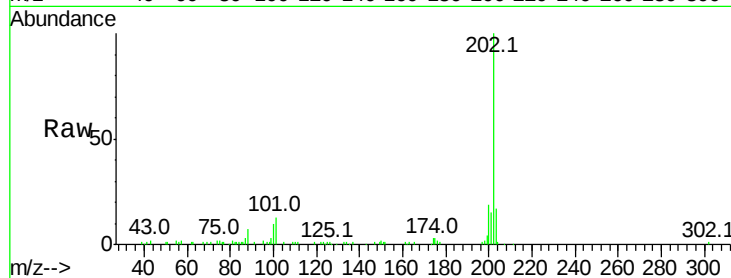
Tot Ion:202 Resp: 68511

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

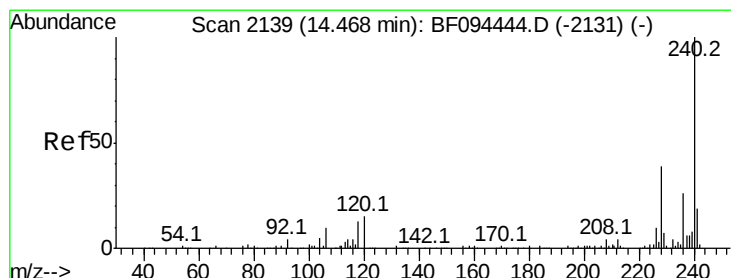
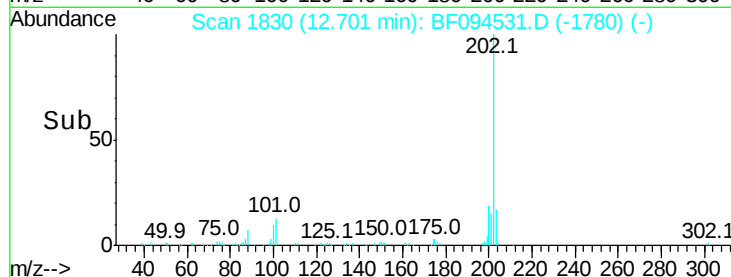
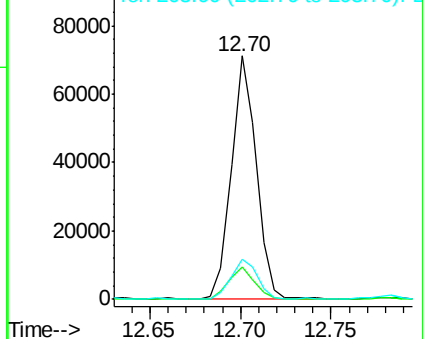
203 16.7 0.0 38.1



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: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094531.D

Acq: 19 Apr 2017 22:21

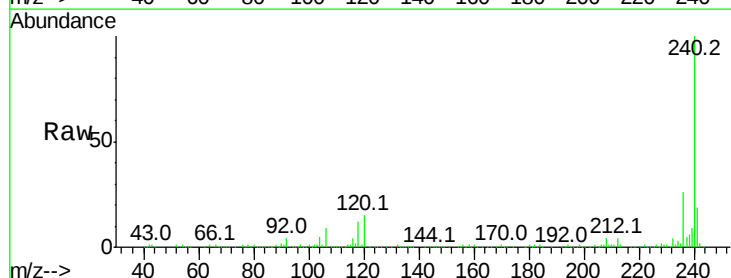
Tgt Ion:240 Resp: 274657

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

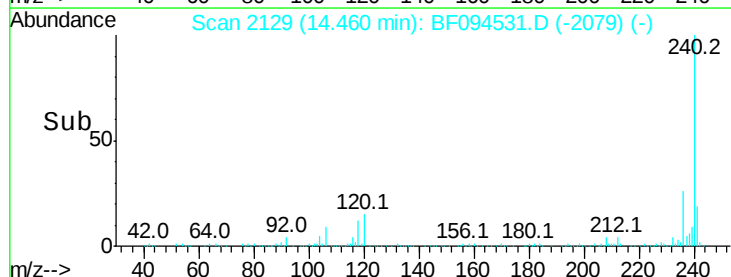
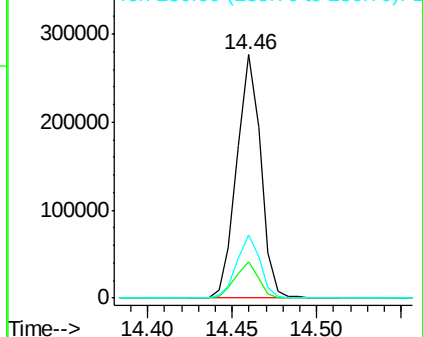
236 25.8 20.5 30.7

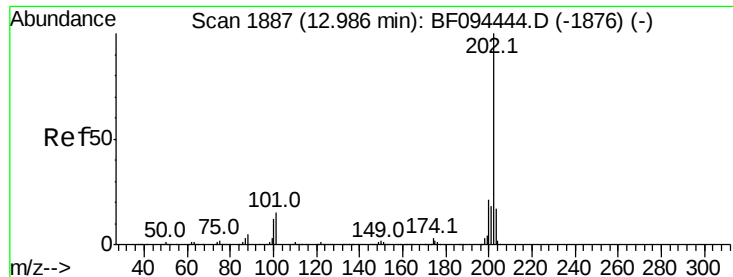


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

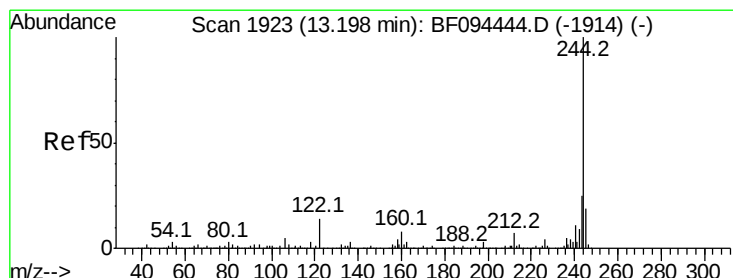
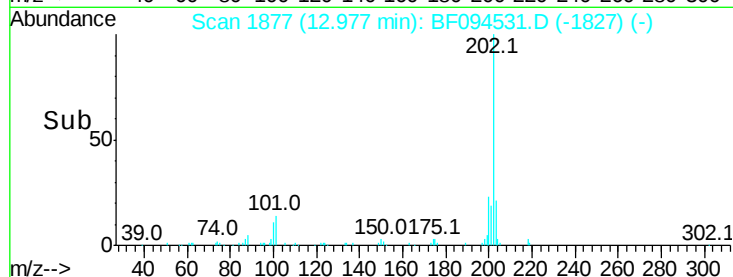
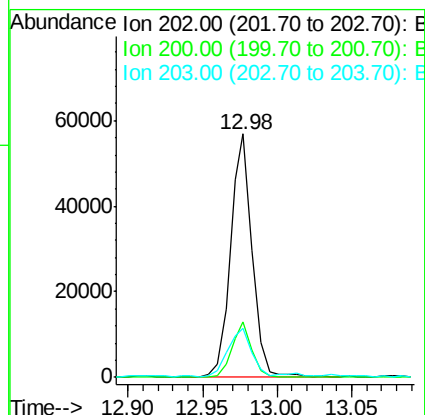
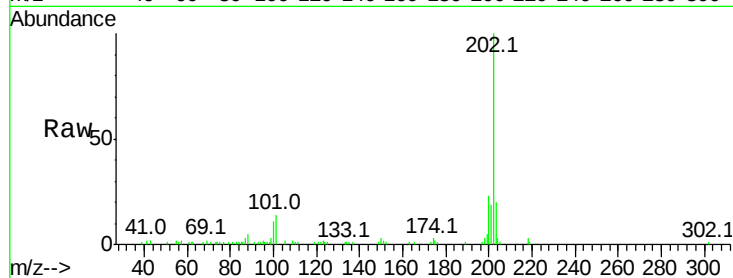




#77
Pvrene
Concen: 3.04 ng
RT: 12.98 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BF094531.D
Acq: 19 Apr 2017 22:21

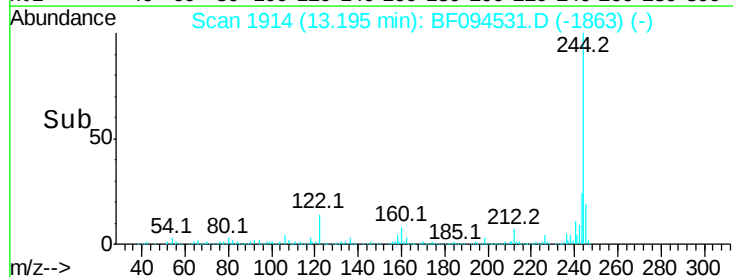
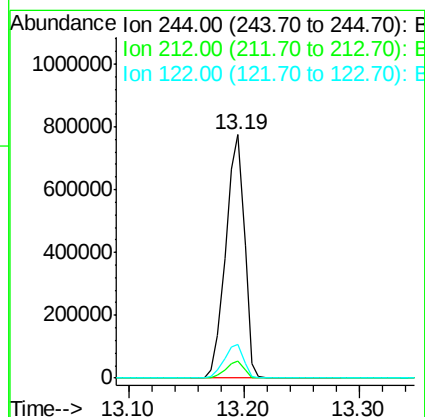
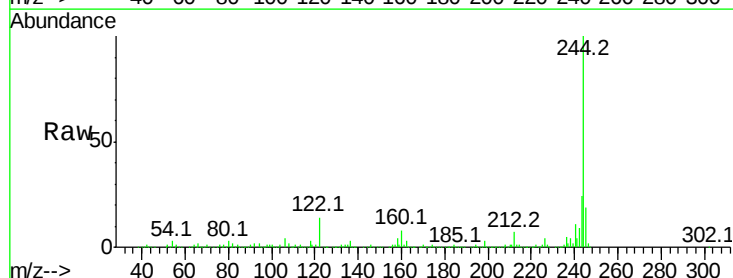
Instrument :
BNA_F
ClientSampleId :

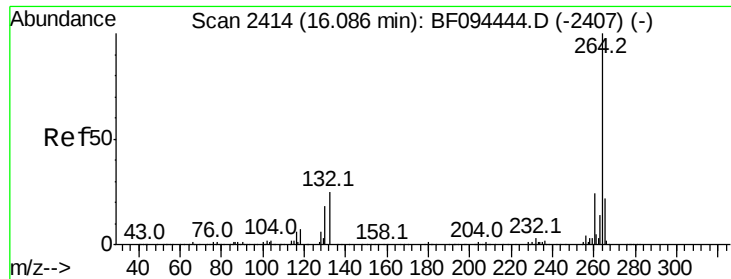
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.6	26.4
203	20.4	14.4	21.6



#78
Terphenyl-d14
Concen: 84.70 ng
RT: 13.19 min Scan# 1914
Delta R.T. -0.00 min
Lab File: BF094531.D
Acq: 19 Apr 2017 22:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.7	10.3	15.5

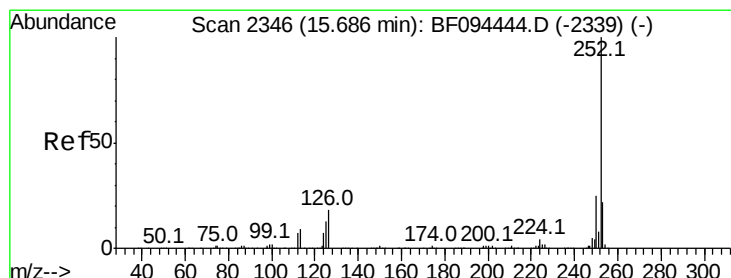
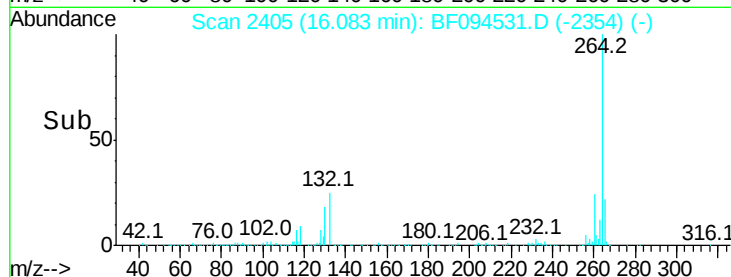
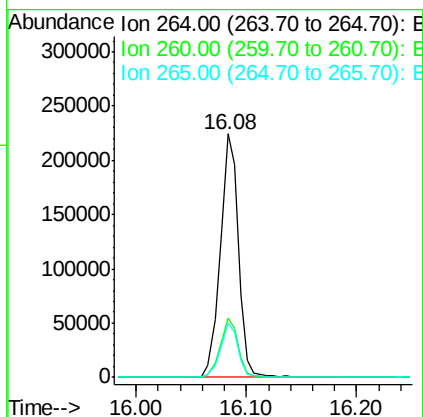
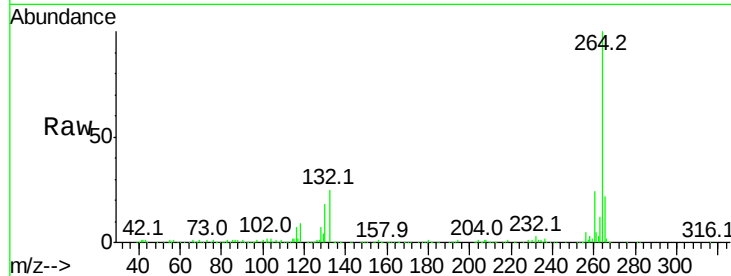




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BF094531.D
Acq: 19 Apr 2017 22:21

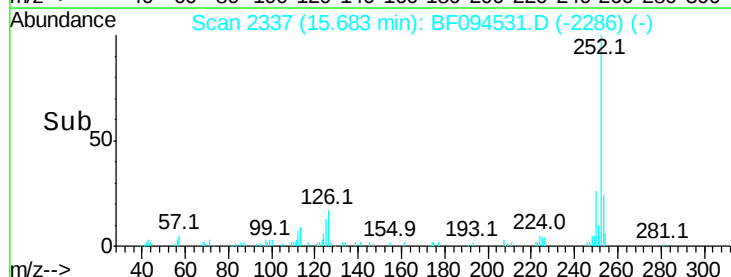
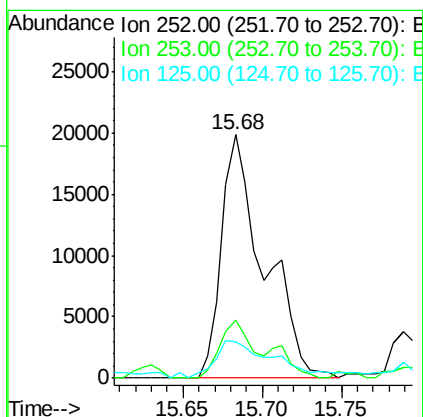
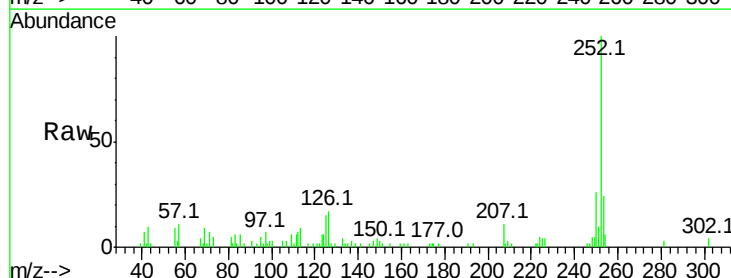
Instrument :
BNA_F
ClientSampleId :

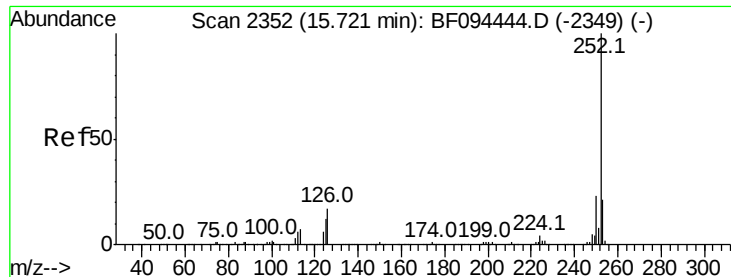
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.35 ng
RT: 15.68 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BF094531.D
Acq: 19 Apr 2017 22:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	14.9	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.49 ng

RT: 15.68 min Scan# 2337

Delta R.T. -0.04 min

Lab File: BF094531.D

Acq: 19 Apr 2017 22:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 37075

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

125 14.9 13.1 19.7

