

Data Path : Z:\HPCHEM1\BNA_F\Data\BF041317\
 Data File : BF094421.D
 Acq On : 14 Apr 2017 9:33
 Operator : SJ/MA
 Sample : I2672-01 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Quant Time: Apr 14 10:28:27 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

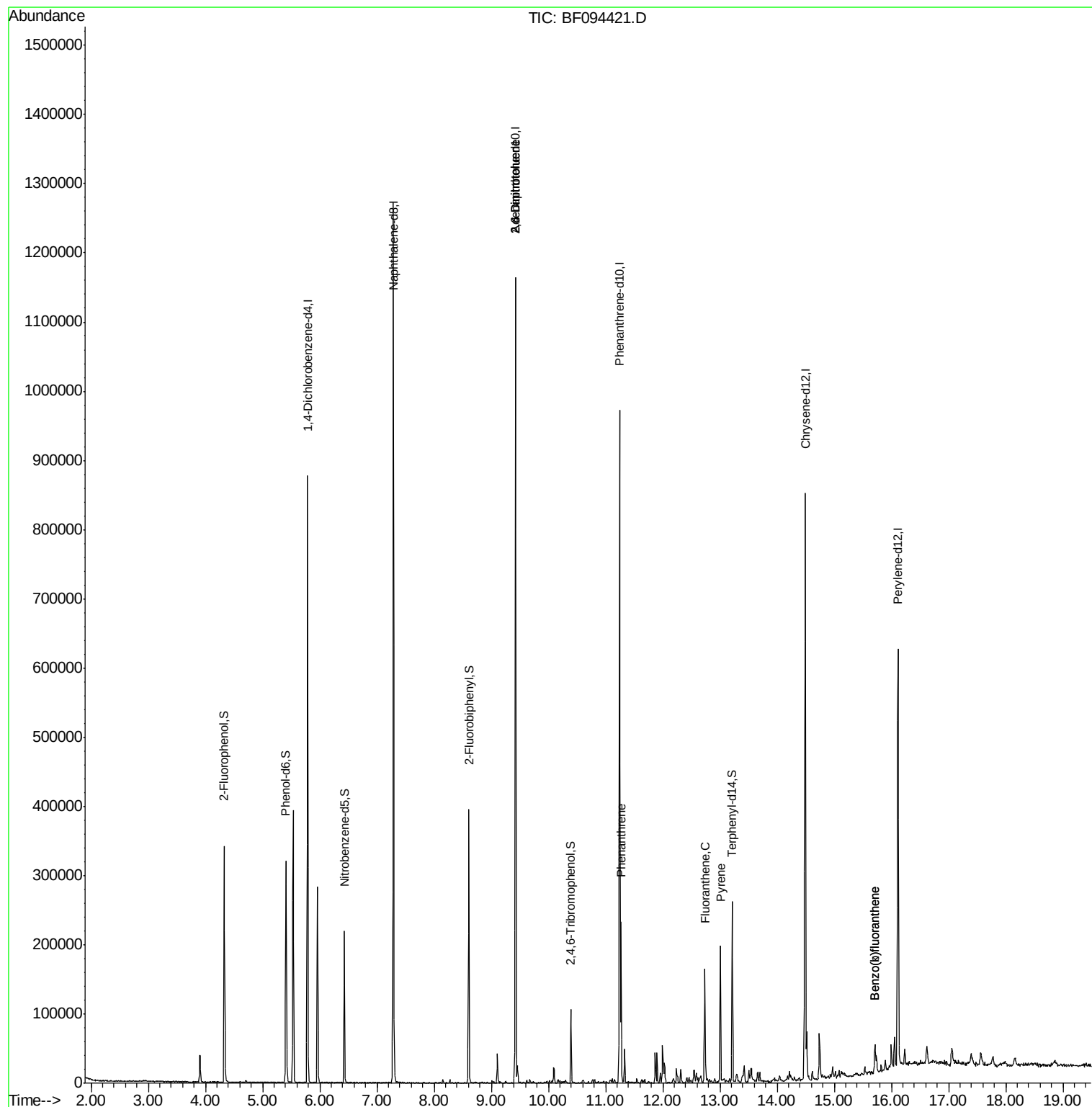
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	155931	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	594705	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	250956	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	385834	20.00	ng	-0.05
75) Chrysene-d12	14.49	240	300349	20.00	ng	-0.06
86) Perylene-d12	16.12	264	234236	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	96728	10.48	ng	-0.05
7) Phenol-d6	5.40	99	121052	10.60	ng	-0.06
23) Nitrobenzene-d5	6.43	82	67838	6.51	ng	-0.06
41) 2,4,6-Tribromophenol	10.39	330	12235	6.17	ng	-0.05
44) 2-Fluorobiphenyl	8.60	172	126681	7.70	ng	-0.05
78) Terphenyl-d14	13.22	244	83859	6.26	ng	-0.06
Target Compounds						
50) 2,6-Dinitrotoluene	9.42	165	31418	7.68	ng	# 34
56) 2,4-Dinitrotoluene	9.42	165	31419	6.12	ng	# 33
70) Phenanthrene	11.27	178	96224	4.48	ng	98
74) Fluoranthene	12.73	202	72328	3.29	ng	99
77) Pyrene	13.01	202	87497	4.01	ng	98
87) Benzo(b)fluoranthene	15.72	252	30019	2.09	ng	# 93
88) Benzo(k)fluoranthene	15.72	252	30019	2.14	ng	96

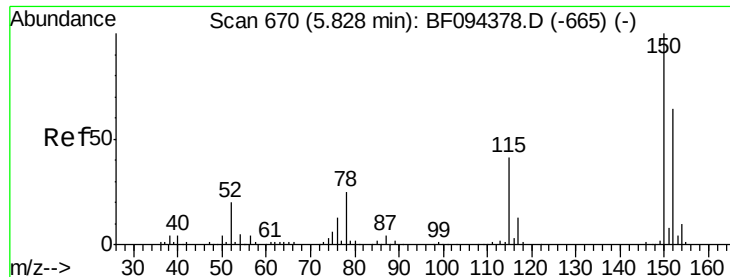
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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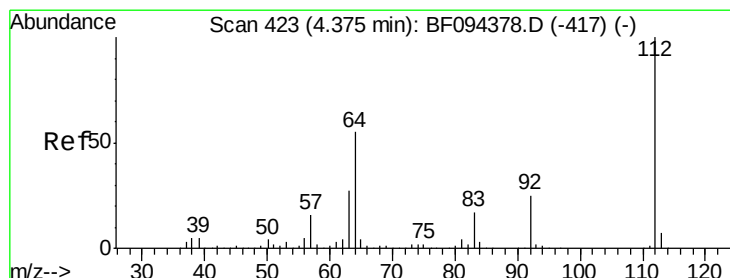
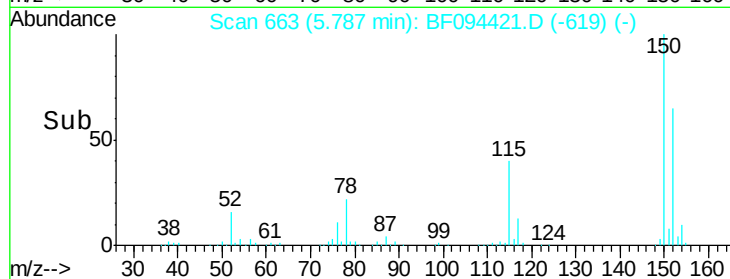
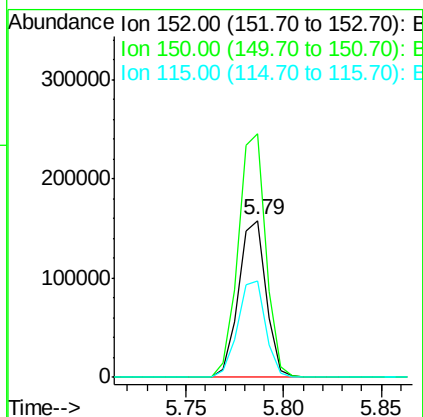
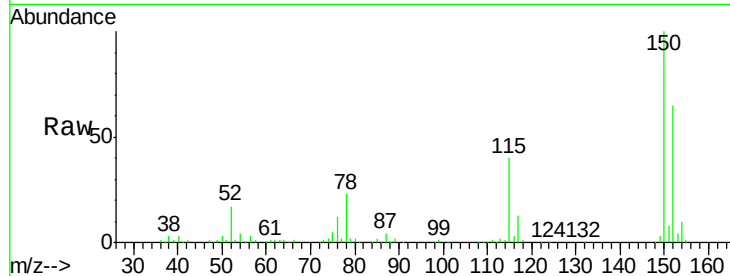




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.79 min Scan# 663
 Delta R.T. -0.04 min
 Lab File: BF094421.D
 Acq: 14 Apr 2017 9:33

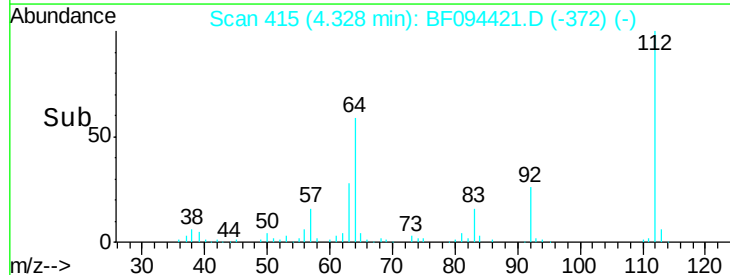
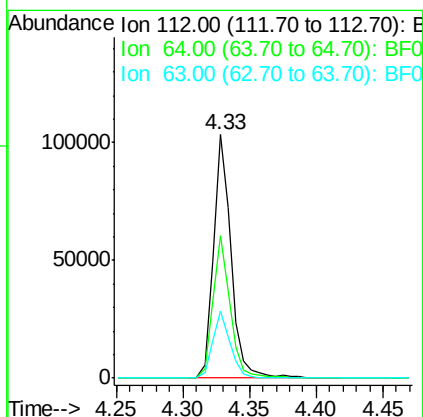
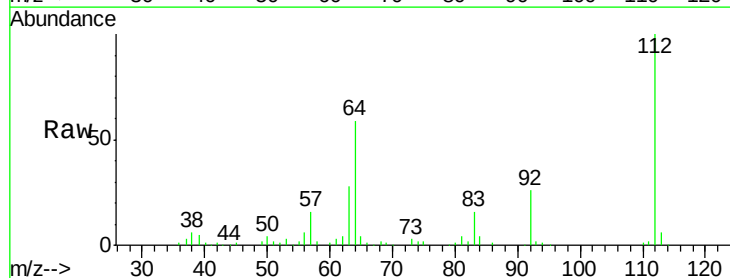
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

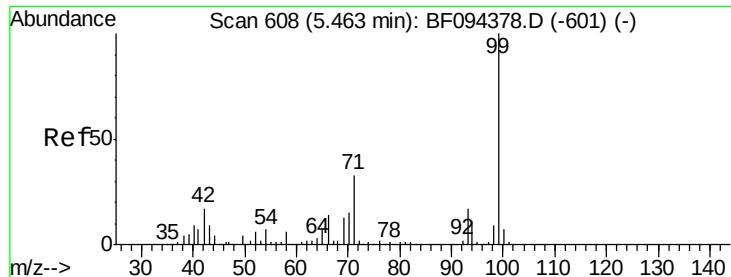
Tgt Ion:152 Resp: 155931
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.2 189.2
 115 61.4 52.2 78.2



#5
 2-Fluorophenol
 Concen: 10.48 ng
 RT: 4.33 min Scan# 415
 Delta R.T. -0.05 min
 Lab File: BF094421.D
 Acq: 14 Apr 2017 9:33

Tgt Ion:112 Resp: 96728
 Ion Ratio Lower Upper
 112 100
 64 58.7 46.0 69.0
 63 27.7 23.4 35.0





#7

Phenol-d6

Concen: 10.60 ng

RT: 5.40 min Scan# 598

Delta R.T. -0.06 min

Lab File: BF094421.D

Acq: 14 Apr 2017 9:33

Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW

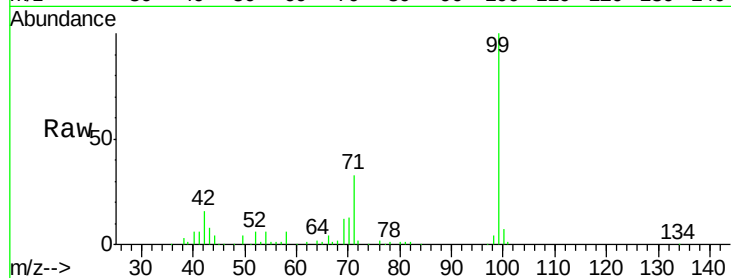
Tgt Ion: 99 Resp: 121052

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

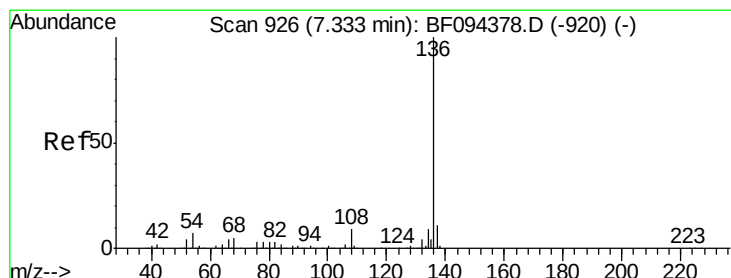
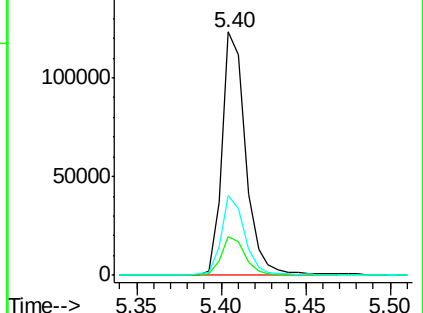
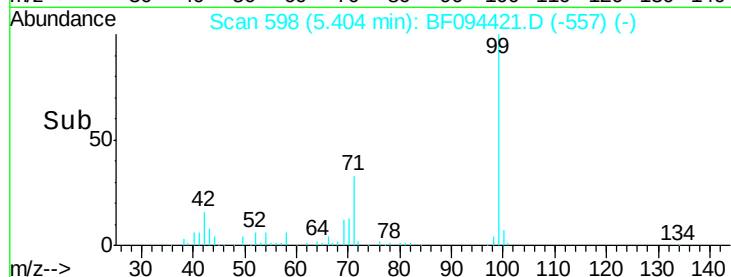
71 32.7 24.5 36.7



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: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF094421.D

Acq: 14 Apr 2017 9:33

Tgt Ion: 136 Resp: 594705

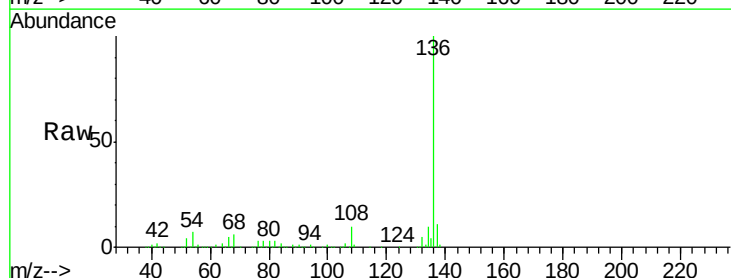
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.4 4.9 7.3#

68 5.6 4.1 6.1

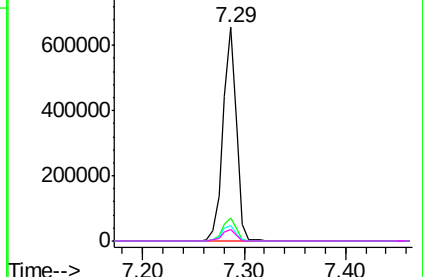
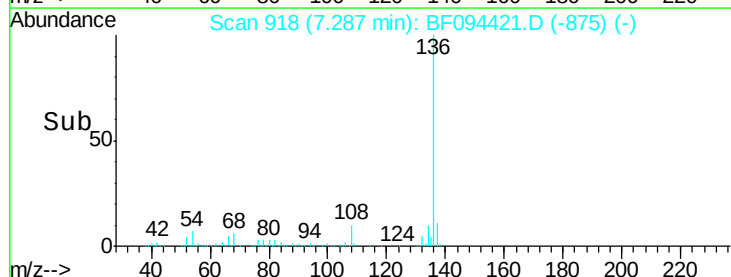


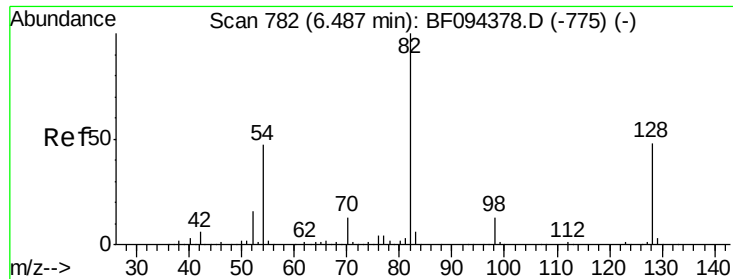
Abundance Ion 136.00 (135.70 to 136.70): E

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

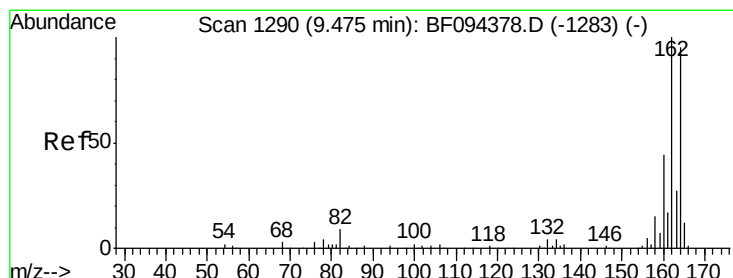
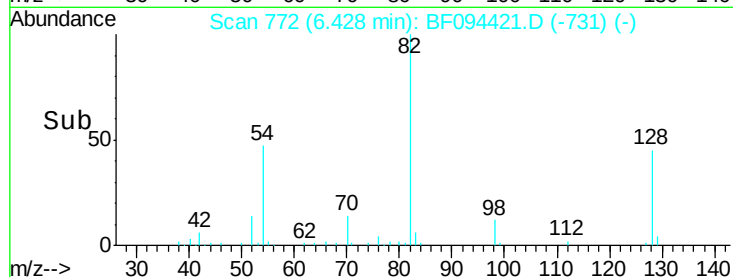
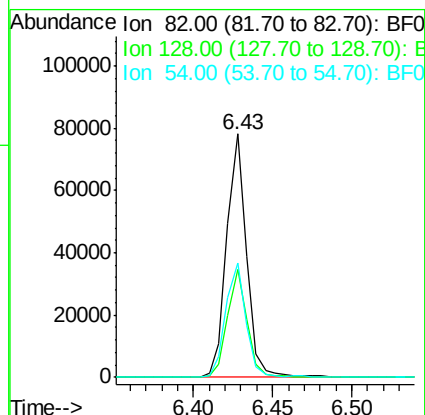
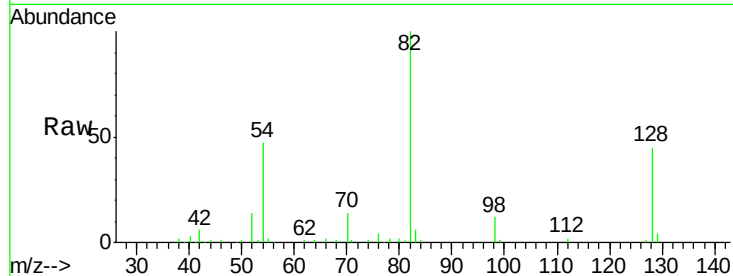




#23
 Nitrobenzene-d5
 Concen: 6.51 ng
 RT: 6.43 min Scan# 772
 Delta R.T. -0.06 min
 Lab File: BF094421.D
 Acq: 14 Apr 2017 9:33

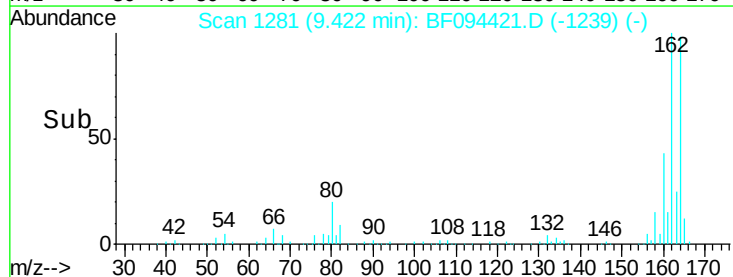
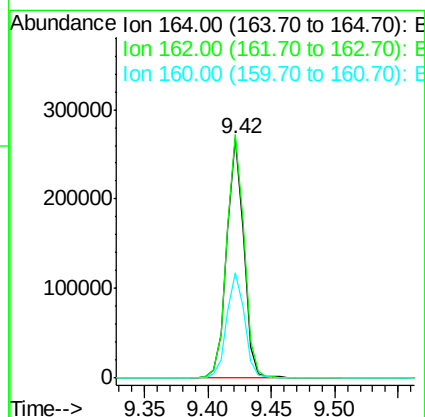
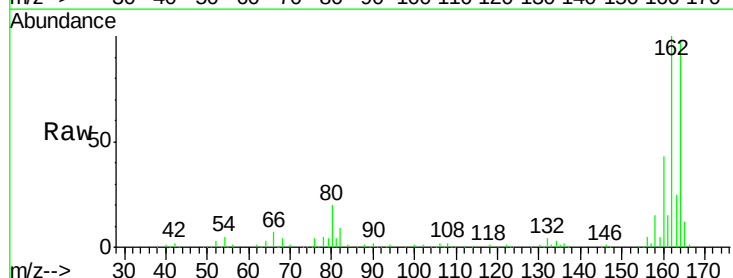
Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

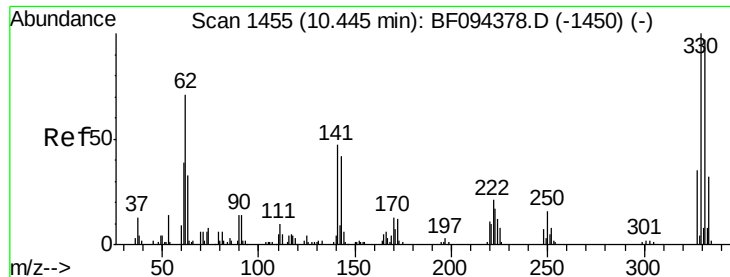
Tgt Ion: 82 Resp: 67838
 Ion Ratio Lower Upper
 82 100
 128 44.6 34.0 51.0
 54 47.2 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. -0.05 min
 Lab File: BF094421.D
 Acq: 14 Apr 2017 9:33

Tgt Ion: 164 Resp: 250956
 Ion Ratio Lower Upper
 164 100
 162 101.6 82.6 123.8
 160 44.2 36.2 54.2

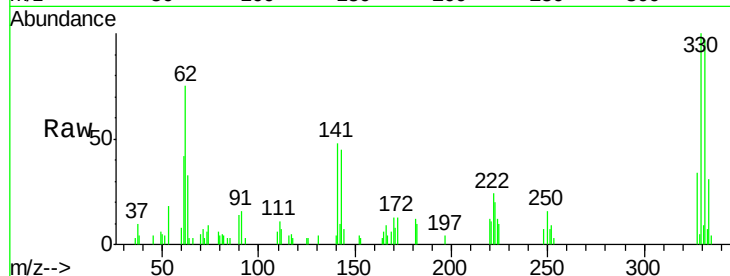




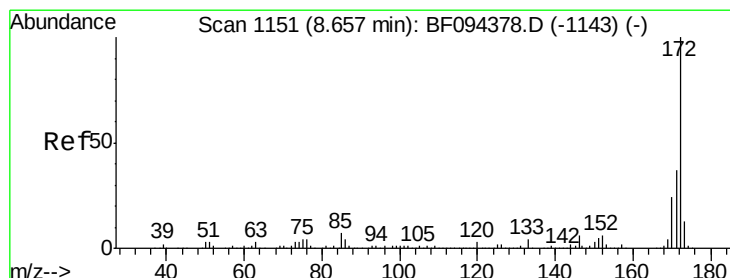
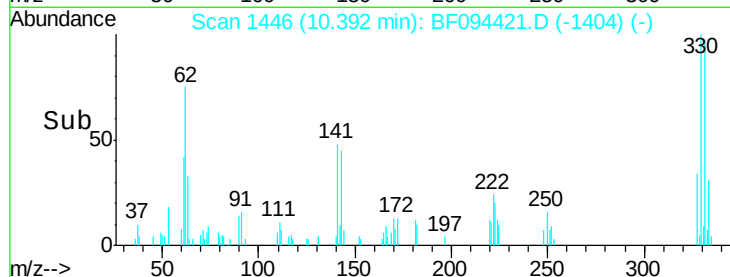
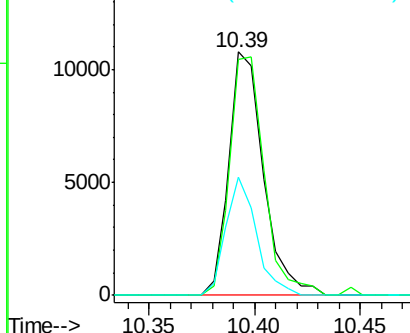
#41
 2,4,6-Tribromophenol
 Concen: 6.17 ng
 RT: 10.39 min Scan# 1446
 Delta R.T. -0.05 min
 Lab File: BF094421.D
 Acq: 14 Apr 2017 9:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z8-NSW

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	115.0
141	42.6	31.4	47.2

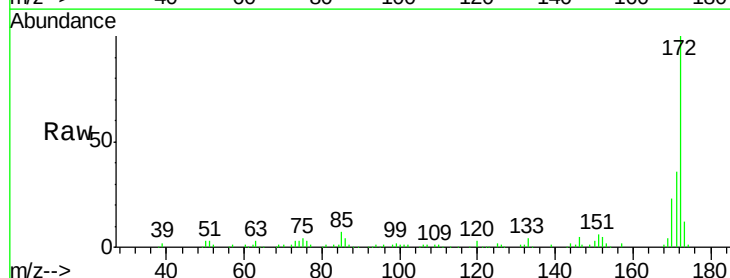


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

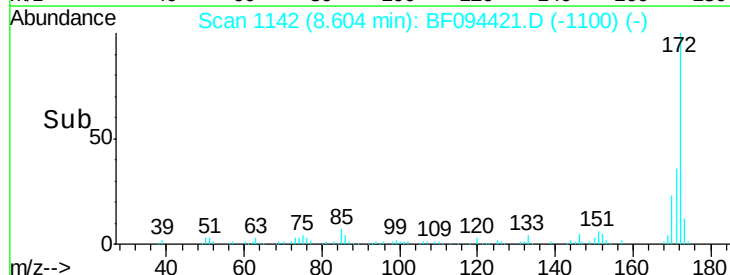
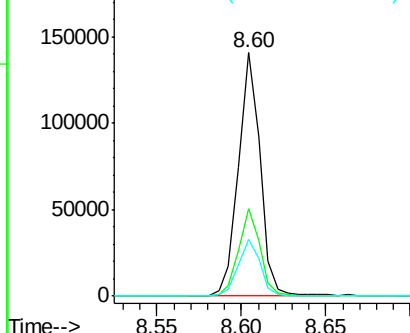


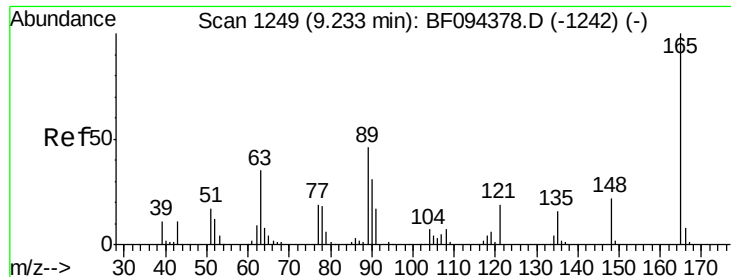
#44
 2-Fluorobiphenyl
 Concen: 7.70 ng
 RT: 8.60 min Scan# 1142
 Delta R.T. -0.05 min
 Lab File: BF094421.D
 Acq: 14 Apr 2017 9:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.2	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

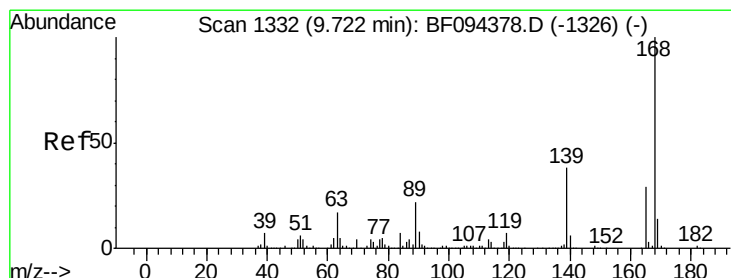
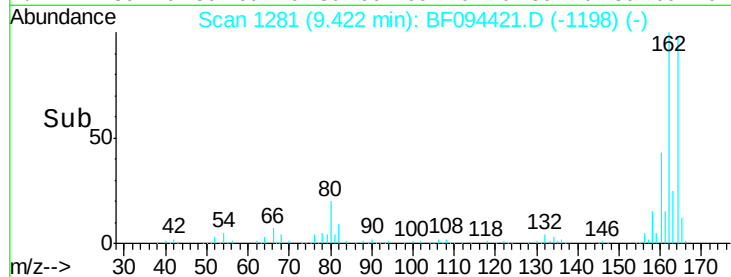
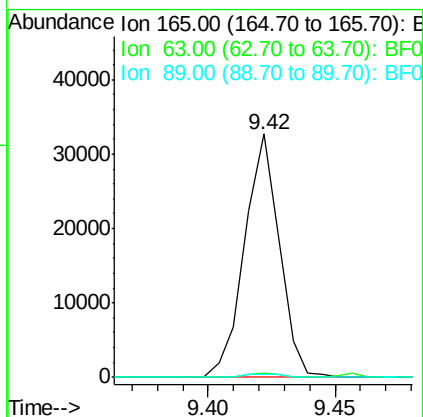
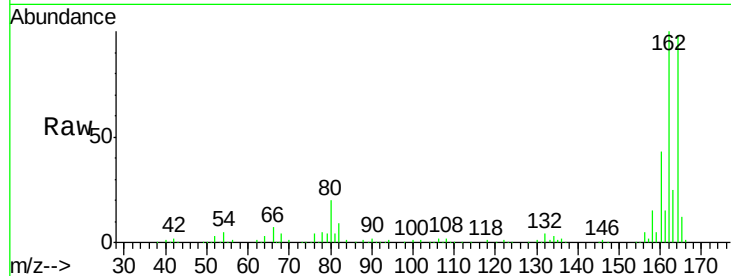




#50
 2,6-Dinitrotoluene
 Concen: 7.68 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. 0.19 min
 Lab File: BF094421.D
 Acq: 14 Apr 2017 9:33

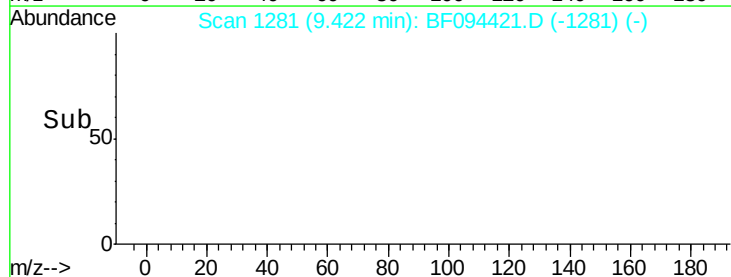
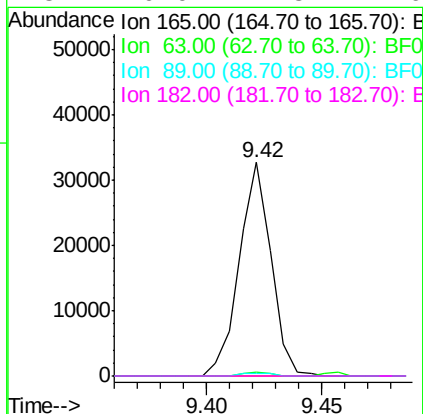
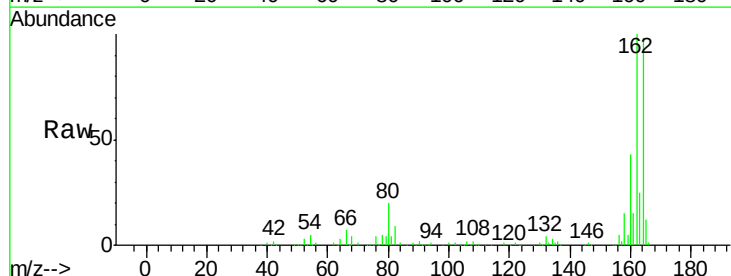
Instrument :
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 ClientSampleId :
 E2-Z8-NSW

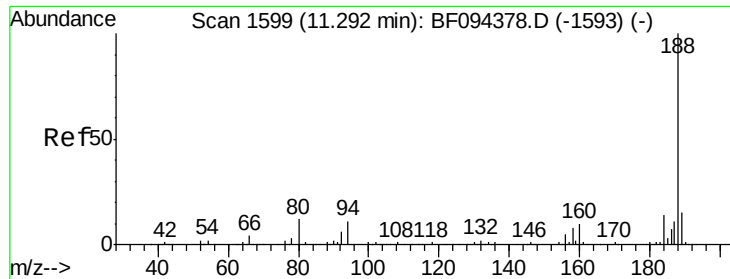
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	1.4	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.12 ng
 RT: 9.42 min Scan# 1281
 Delta R.T. -0.30 min
 Lab File: BF094421.D
 Acq: 14 Apr 2017 9:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#

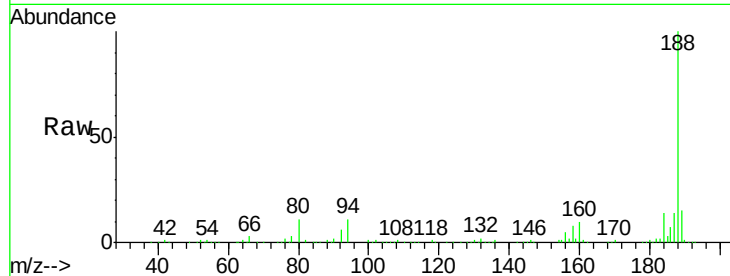




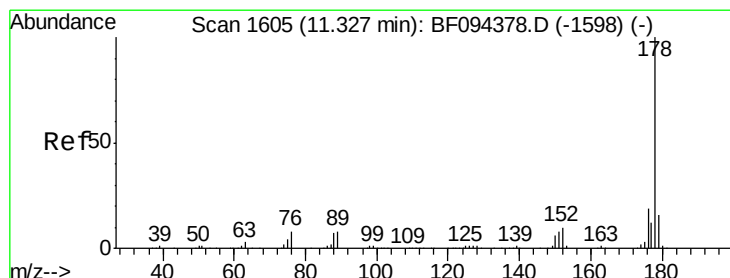
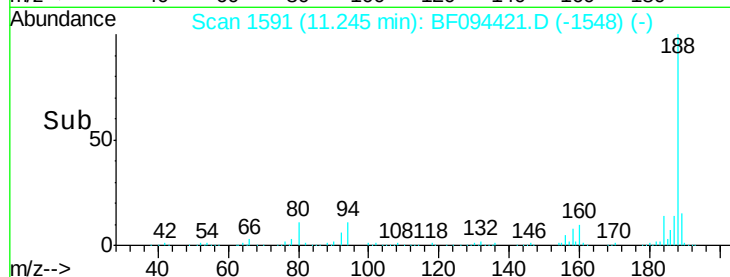
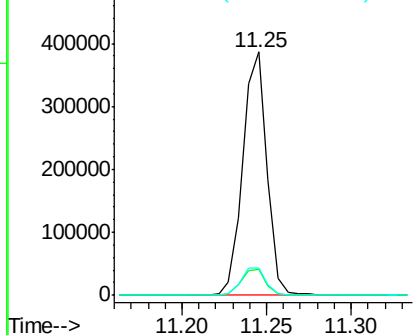
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 1591
Delta R.T. -0.05 min
Lab File: BF094421.D
Acq: 14 Apr 2017 9:33

Instrument :
BNA_F
ClientSampleId :
E2-Z8-NSW

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.5	10.2	15.2

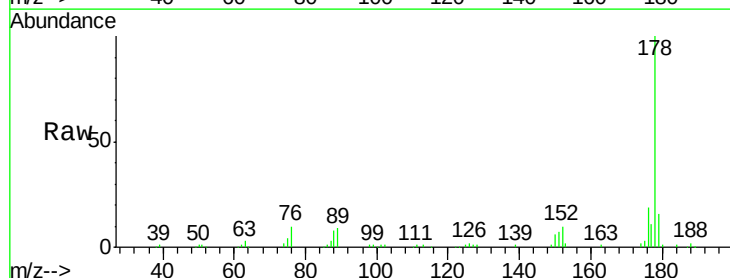


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

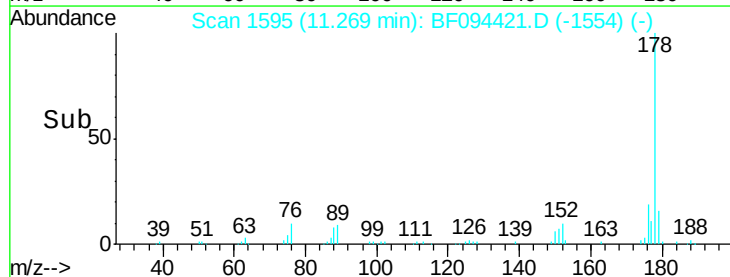
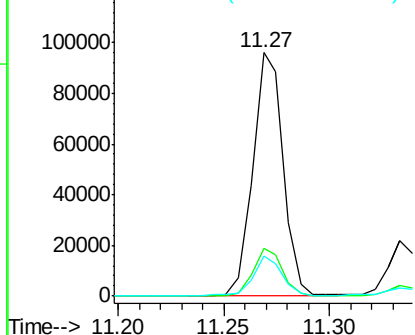


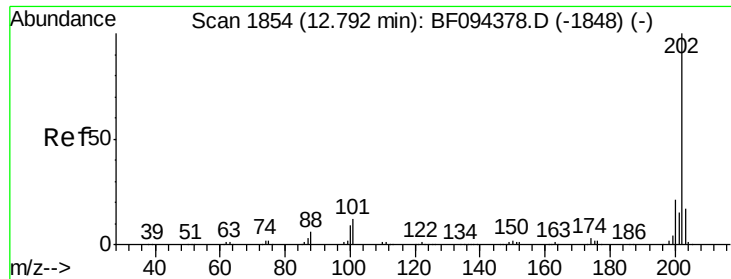
#70
Phenanthrene
Concen: 4.48 ng
RT: 11.27 min Scan# 1595
Delta R.T. -0.06 min
Lab File: BF094421.D
Acq: 14 Apr 2017 9:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	16.4	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

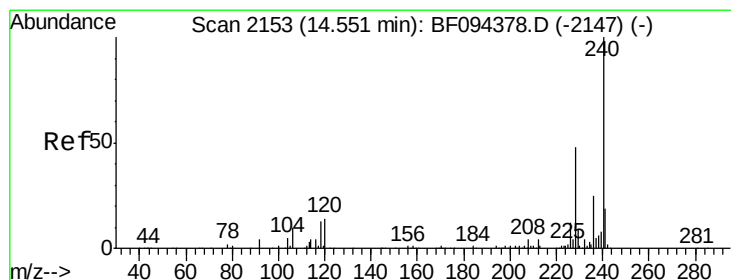
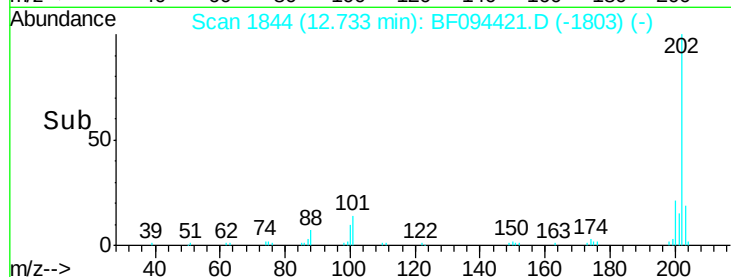
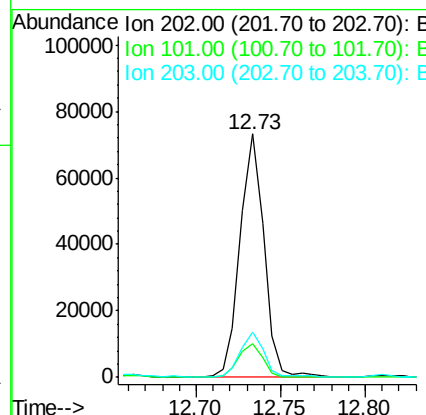
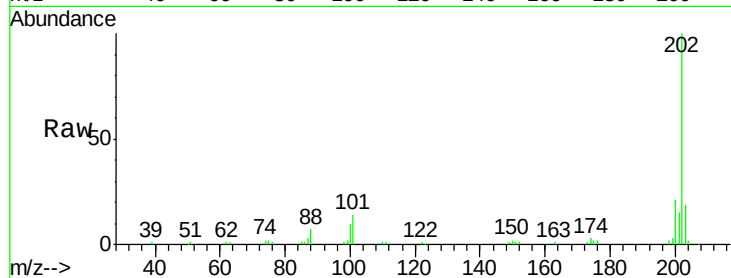




#74
Fluoranthene
Concen: 3.29 ng
RT: 12.73 min Scan# 1844
Delta R.T. -0.06 min
Lab File: BF094421.D
Acq: 14 Apr 2017 9:33

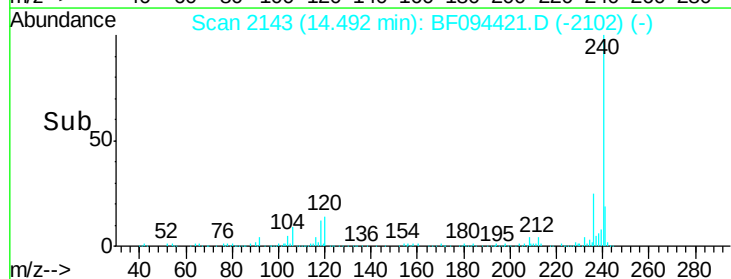
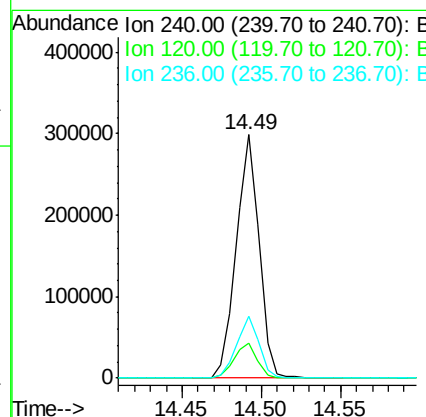
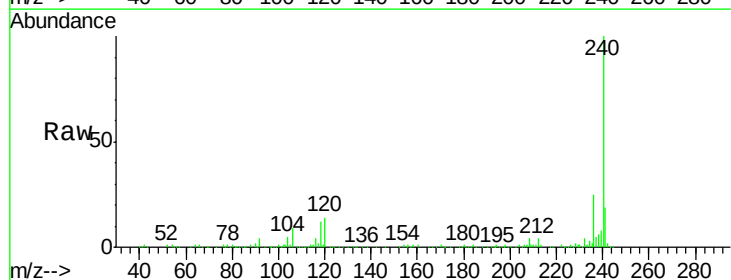
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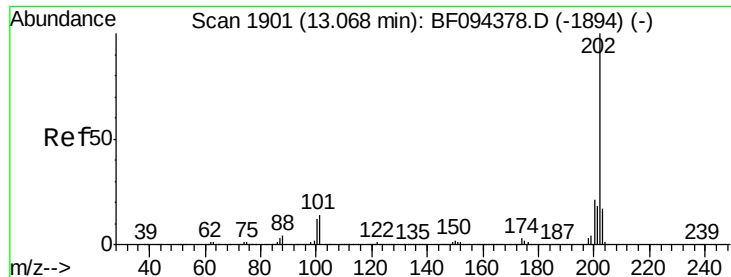
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	18.5	0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.49 min Scan# 2143
Delta R.T. -0.06 min
Lab File: BF094421.D
Acq: 14 Apr 2017 9:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.5	20.5	30.7





#77

Pyrene

Concen: 4.01 ng

RT: 13.01 min Scan# 1891

Delta R.T. -0.06 min

Lab File: BF094421.D

Acq: 14 Apr 2017 9:33

Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW

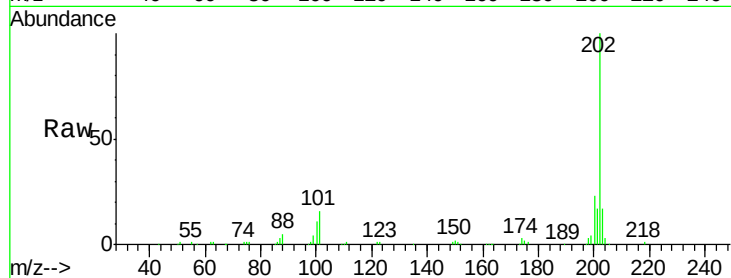
Tgt Ion:202 Resp: 87497

Ion Ratio Lower Upper

202 100

200 22.6 17.6 26.4

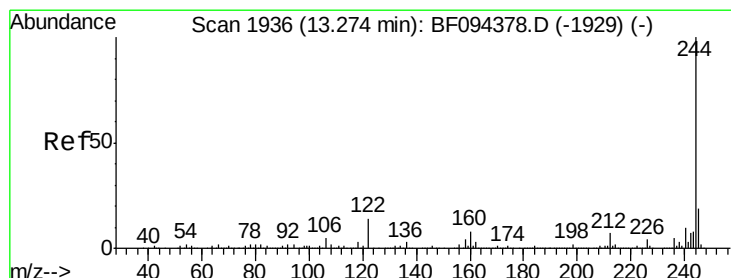
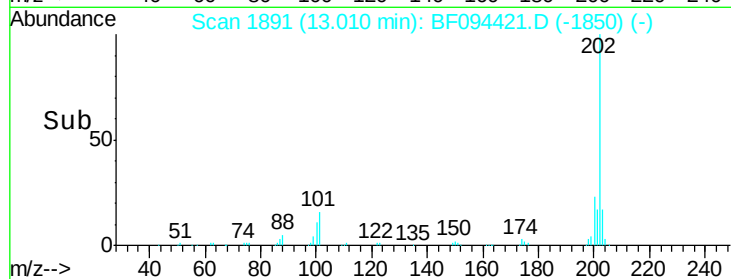
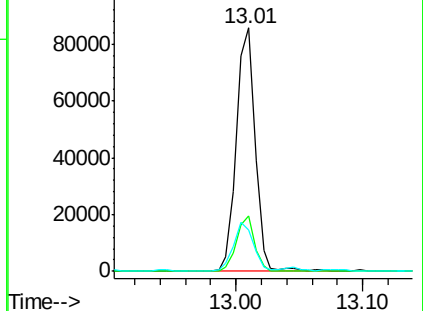
203 17.0 14.4 21.6



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: 6.26 ng

RT: 13.22 min Scan# 1926

Delta R.T. -0.06 min

Lab File: BF094421.D

Acq: 14 Apr 2017 9:33

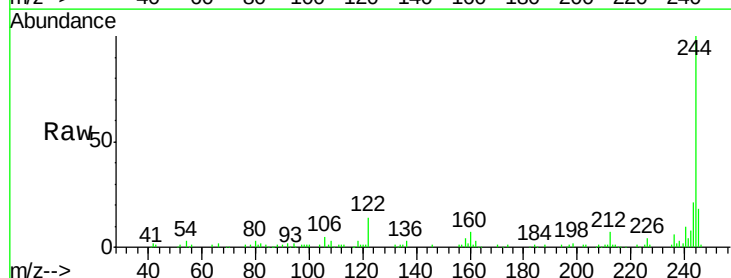
Tgt Ion:244 Resp: 83859

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

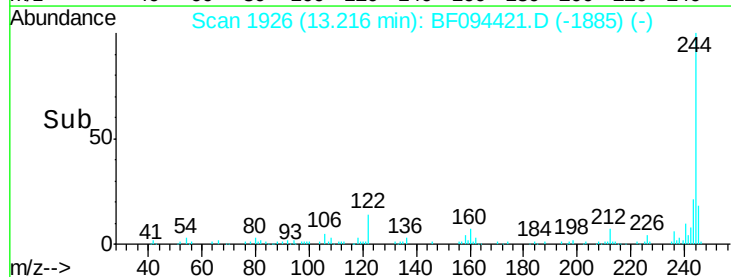
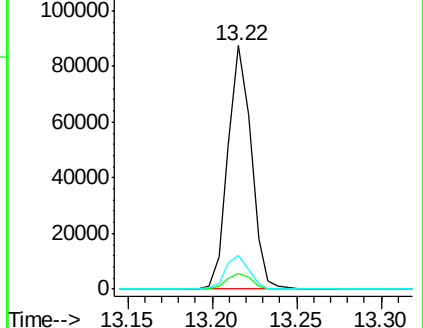
122 14.0 10.3 15.5

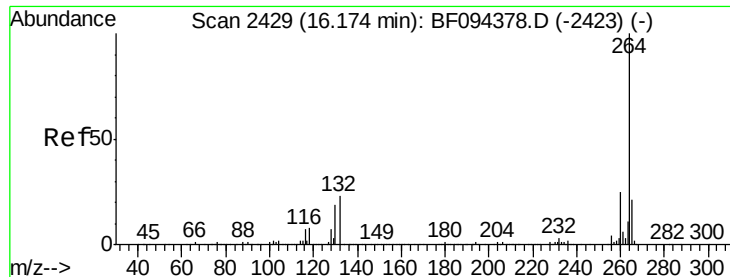


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

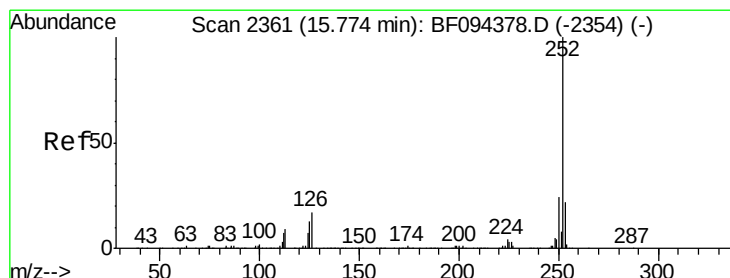
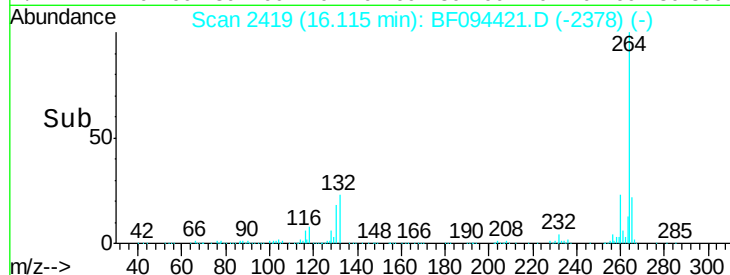
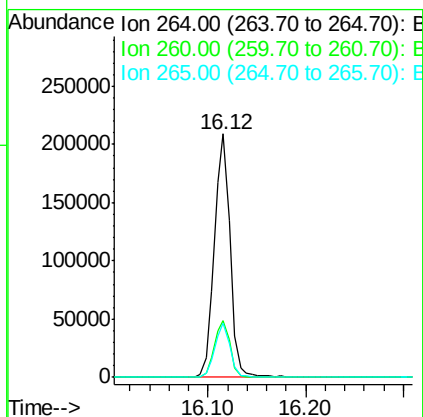
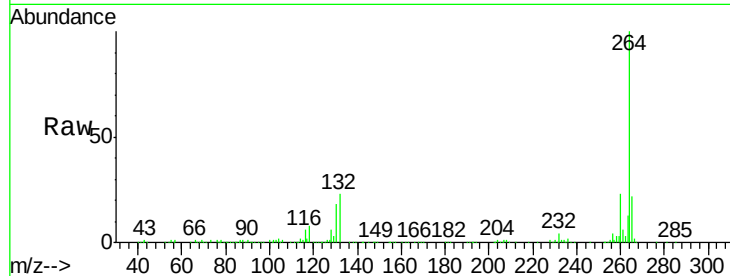




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.06 min
Lab File: BF094421.D
Acq: 14 Apr 2017 9:33

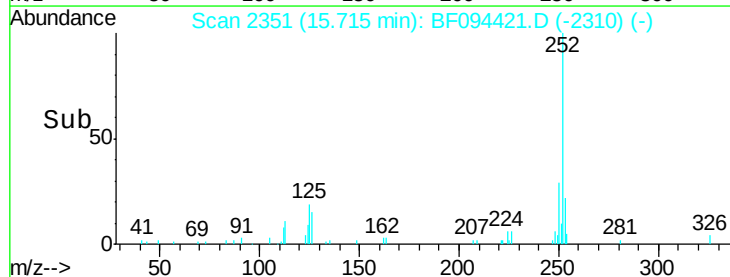
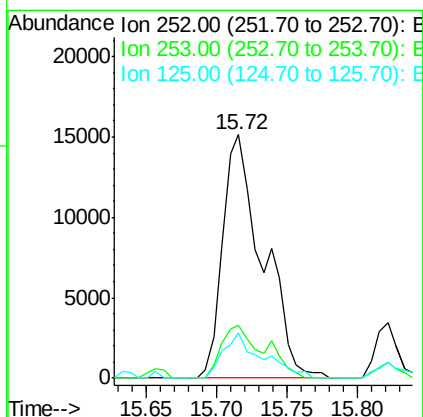
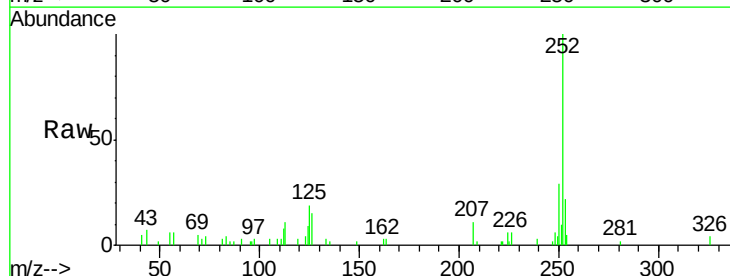
Instrument :
BNA_F
ClientSampled :
E2-Z8-NSW

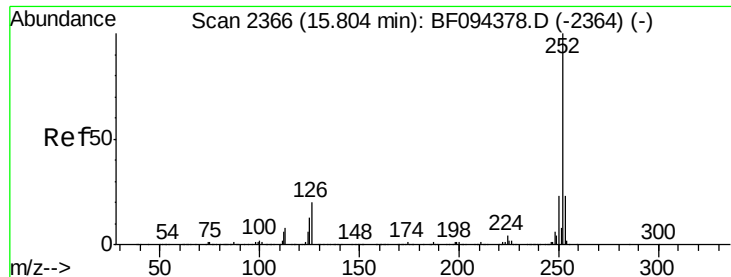
Tgt Ion: 264 Resp: 234236
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.09 ng
RT: 15.72 min Scan# 2351
Delta R.T. -0.06 min
Lab File: BF094421.D
Acq: 14 Apr 2017 9:33

Tgt Ion: 252 Resp: 30019
Ion Ratio Lower Upper
252 100
253 21.6 18.1 27.1
125 18.7 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.14 ng

RT: 15.72 min Scan# 2351

Delta R.T. -0.09 min

Lab File: BF094421.D

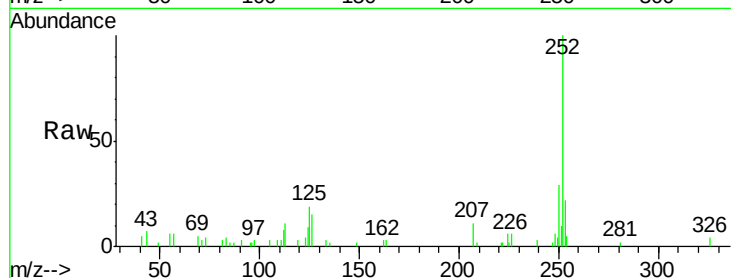
Acq: 14 Apr 2017 9:33

Instrument :

BNA_F

ClientSampleId :

E2-Z8-NSW



Tgt Ion: 252 Resp: 30019

Ion Ratio Lower Upper

252 100

253 21.6 18.4 27.6

125 18.7 13.1 19.7

