

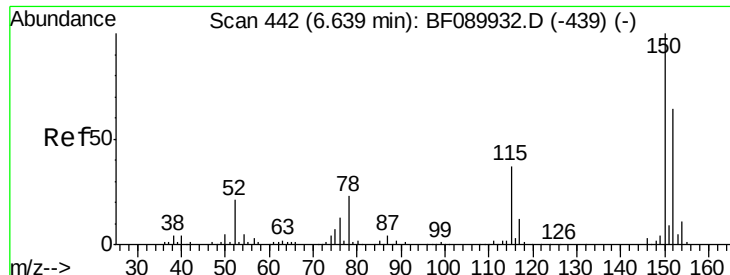
Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
 Data File : BF089949.D
 Acq On : 31 Aug 2016 14:40
 Operator : UM/SJ
 Sample : H4617-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 15:20:33 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF083116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 31 11:55:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	247651	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	953520	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	468625	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	746955	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	581018	20.00	ng	-0.01
86) Perylene-d12	15.10	264	596031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1690005	109.23	ng	0.01
7) Phenol-d6	6.28	99	2029079	107.93	ng	0.01
23) Nitrobenzene-d5	7.21	82	1288031	78.34	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	391982	84.78	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	2222936	77.87	ng	0.00
78) Terphenyl-d14	12.72	244	1415327	60.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	168084	13.72	ng	# 83
25) Isophorone	7.21	82	1131583	33.85	ng	# 65
49) Dimethylphthalate	9.39	163	680228	20.08	ng	100
56) 2,4-Dinitrotoluene	9.67	165	62067	6.50	ng	# 30
66) 4-Bromophenyl-phenylether	10.44	248	25431	3.38	ng	# 1
74) Fluoranthene	12.33	202	111975	2.87	ng	96
77) Pyrene	12.56	202	146057	3.57	ng	96
80) Benzo(a)anthracene	13.77	228	284820	8.00	ng	97
82) Chrysene	13.77	228	284820	8.57	ng	98
85) Indeno(1,2,3-cd)pyrene	16.31	276	69059	2.81	ng	96
87) Benzo(b)fluoranthene	14.73	252	223280	5.98	ng	# 96
88) Benzo(k)fluoranthene	14.73	252	223280	7.05	ng	# 97
89) Benzo(a)pyrene	15.04	252	87232	2.73	ng	# 96
91) Benzo(a,h,i)perylene	16.67	276	66154	2.80	ng	# 88

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

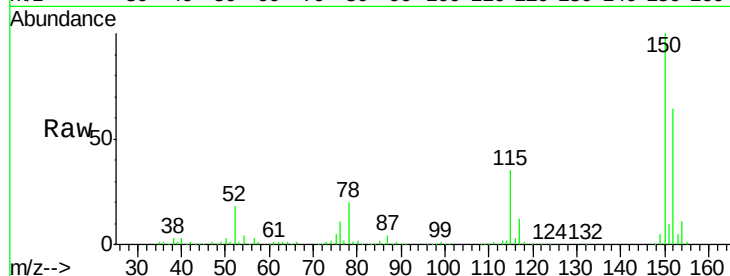


#1

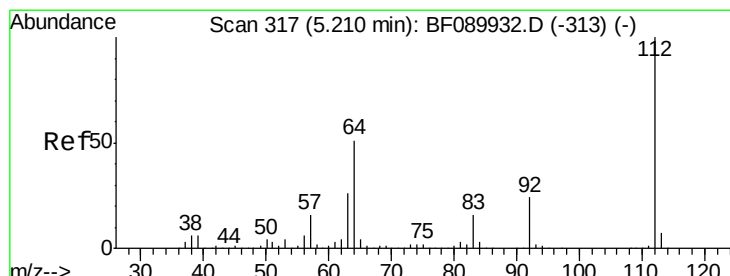
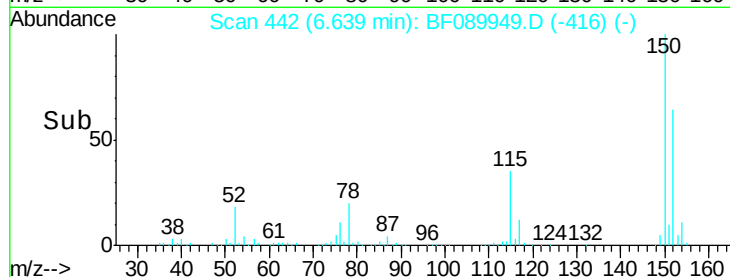
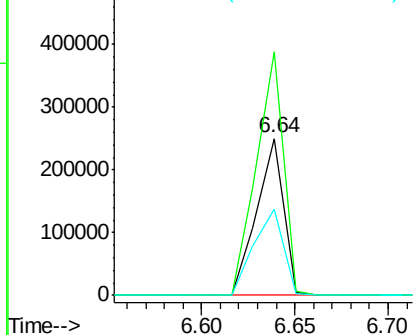
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 247651
Ion Ratio Lower Upper
152 100
150 155.4 127.4 191.2
115 54.8 46.3 69.5



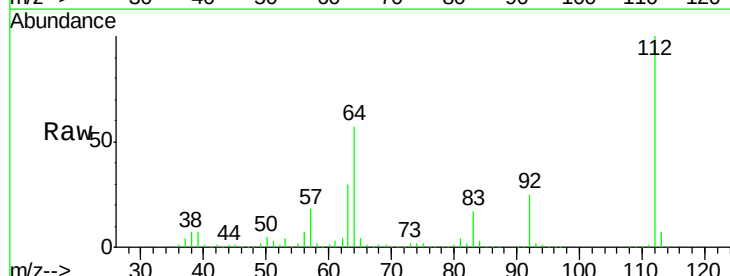
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



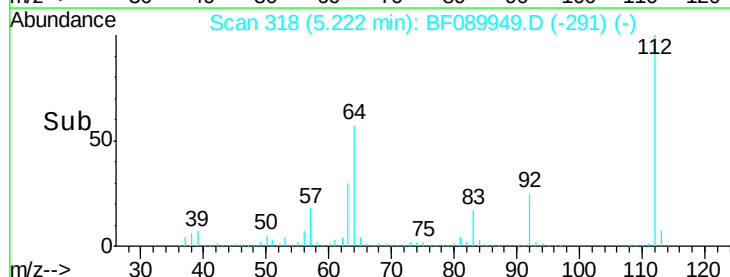
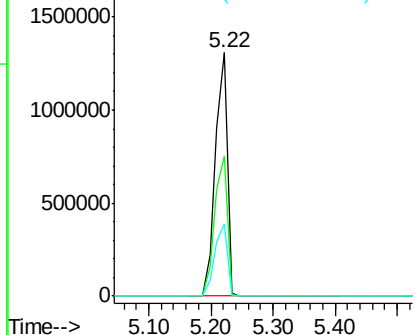
#5

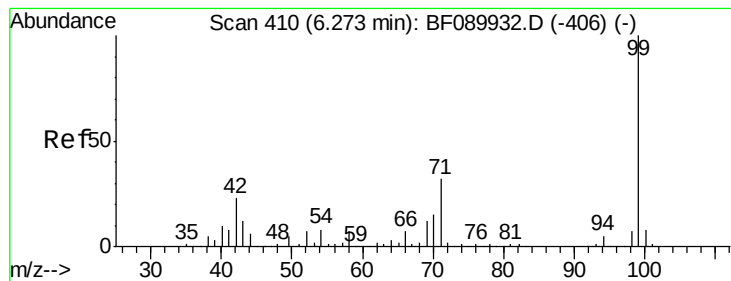
2-Fluorophenol
Concen: 109.23 ng
RT: 5.22 min Scan# 318
Delta R.T. 0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Tgt Ion:112 Resp: 1690005
Ion Ratio Lower Upper
112 100
64 57.4 41.1 61.7
63 29.9 21.2 31.8



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: 107.93 ng

RT: 6.28 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

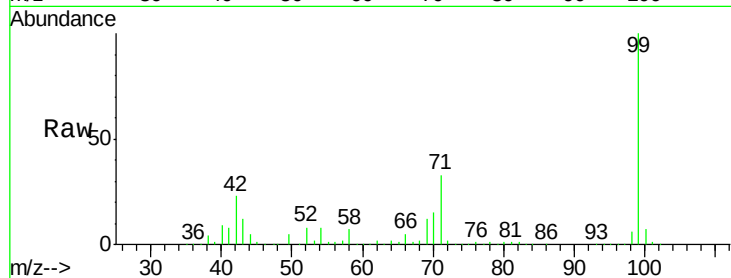
Tot Ion: 99 Resp: 2029079

Ion Ratio Lower Upper

99 100

42 22.8 18.6 27.8

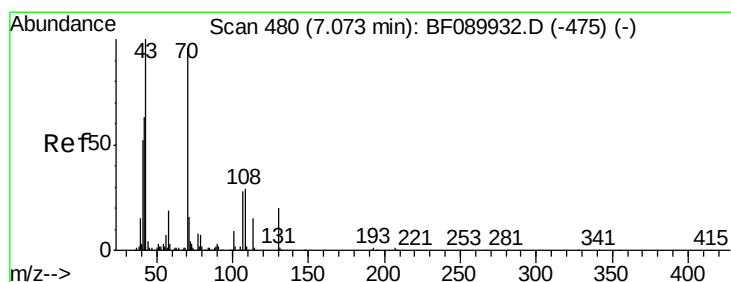
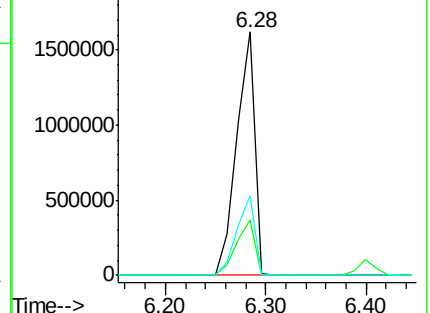
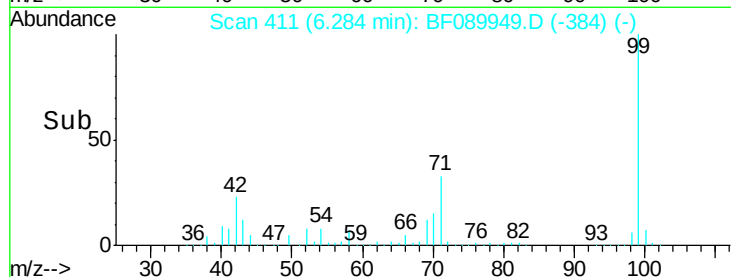
71 32.8 25.8 38.6



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: 13.72 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.13 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Tgt Ion: 70 Resp: 168084

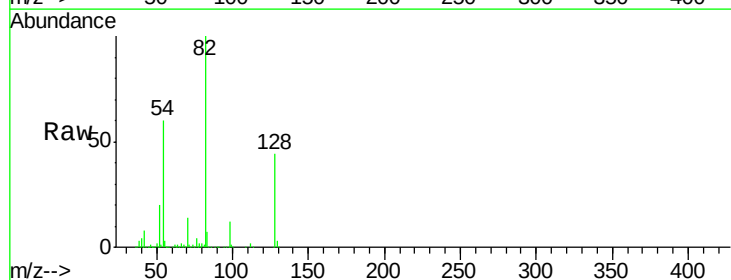
Ion Ratio Lower Upper

70 100

42 59.1 52.1 78.1

101 0.0 7.4 11.2#

130 2.2 17.0 25.4#

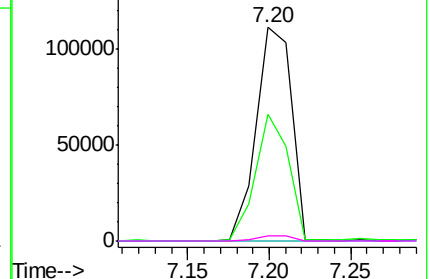
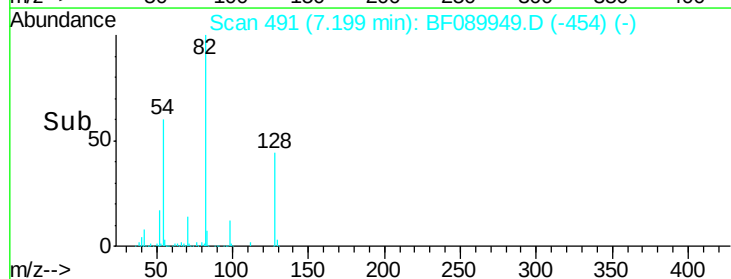


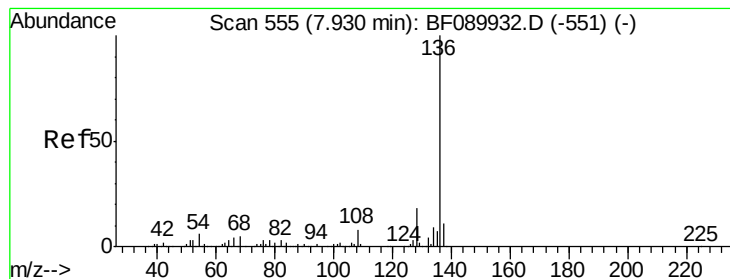
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF089949.D

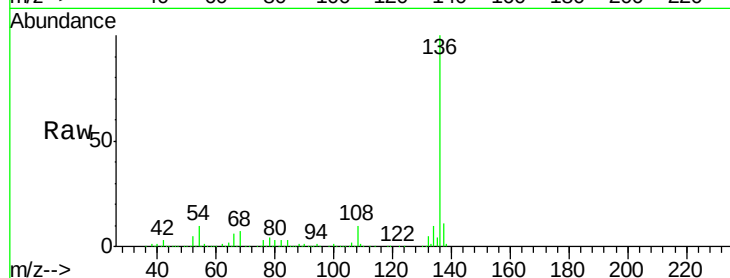
Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	953520
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.3 12.5
54	10.2	4.8 7.2#
68	6.9	3.7 5.5#

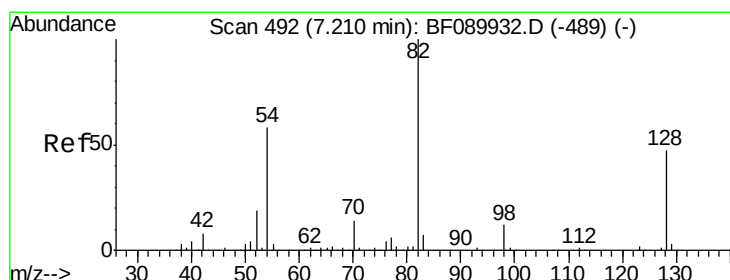
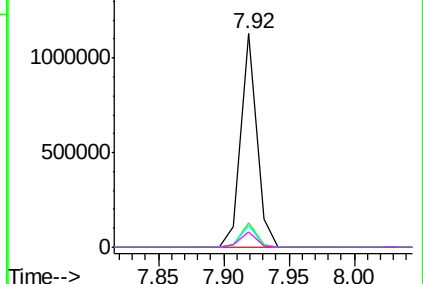
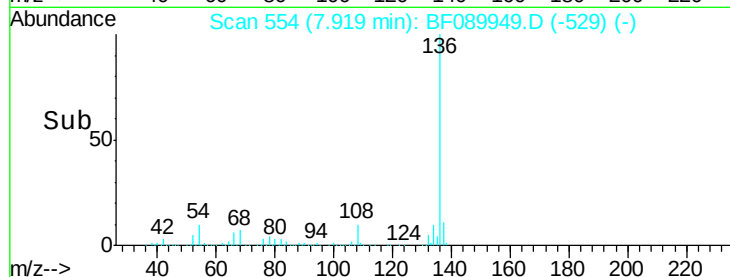


Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.34 ng

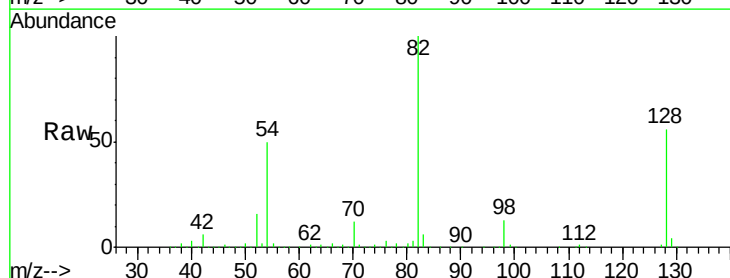
RT: 7.21 min Scan# 492

Delta R.T. 0.00 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

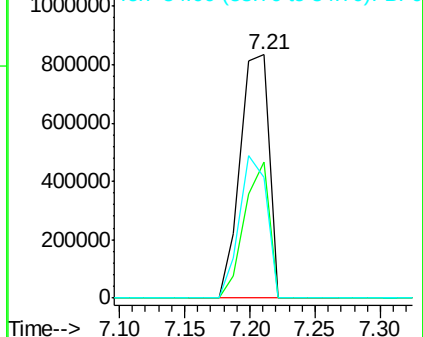
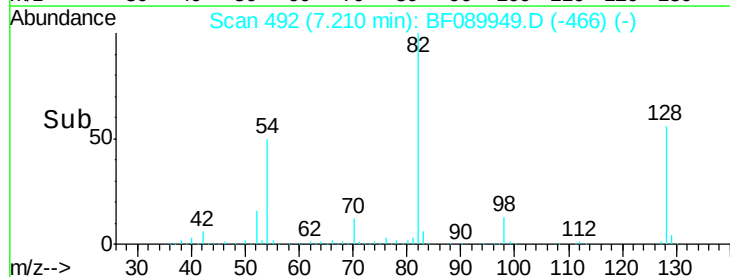
Tgt	Ion: 82	Resp: 1288031	
Ion	Ratio	Lower	Upper
82	100		
128	56.1	37.8	56.8
54	49.6	46.9	70.3

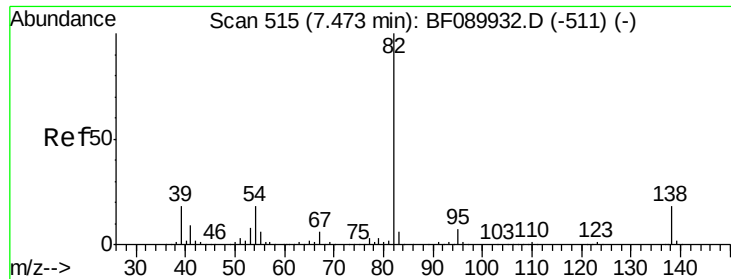


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.85 ng

RT: 7.21 min Scan# 492

Delta R.T. -0.26 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampled :

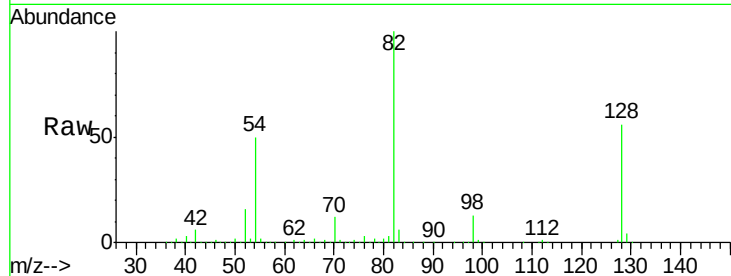
Tot Ion: 82 Resp: 1131583

Ion Ratio Lower Upper

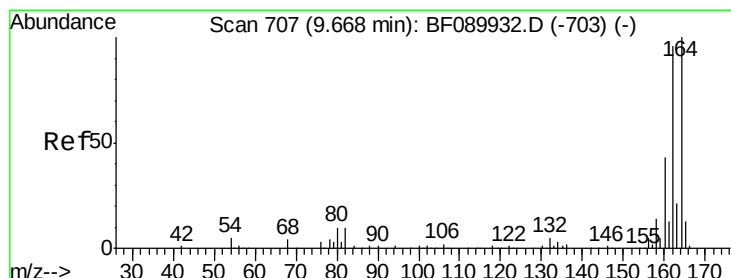
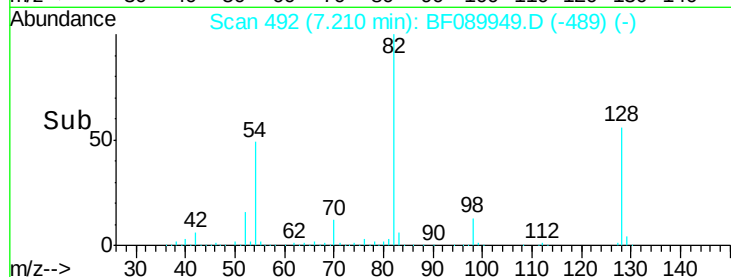
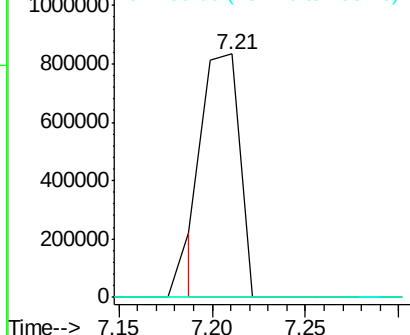
82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



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: 9.67 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

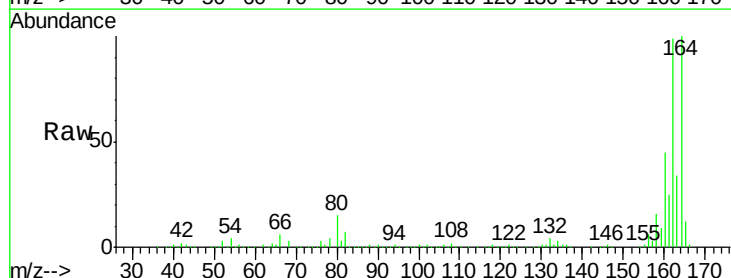
Tgt Ion: 164 Resp: 468625

Ion Ratio Lower Upper

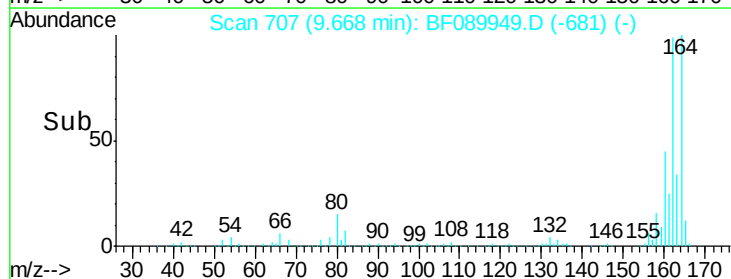
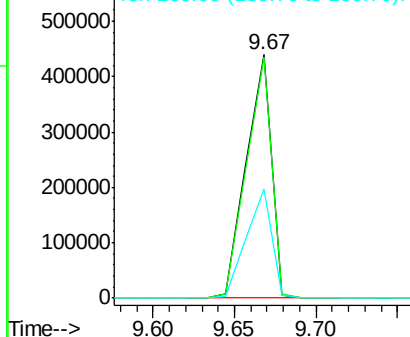
164 100

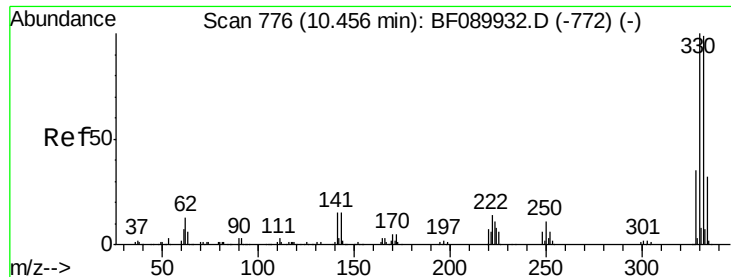
162 99.1 77.1 115.7

160 44.7 35.3 52.9



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

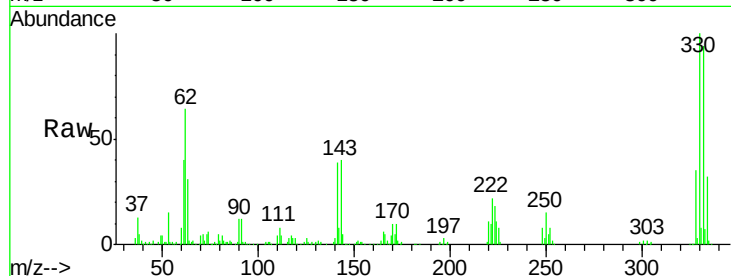




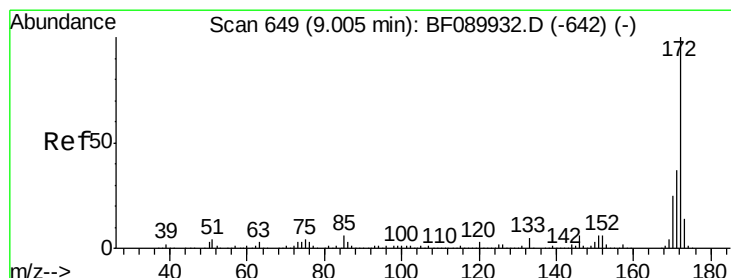
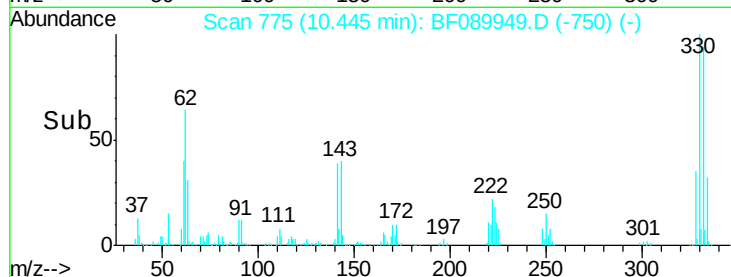
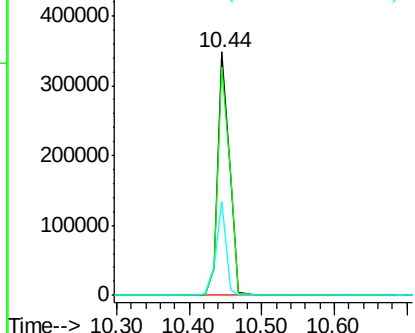
#41
 2,4,6-Tribromophenol
 Concen: 84.78 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089949.D
 Acq: 31 Aug 2016 14:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.6	117.8
141	33.1	23.3	34.9

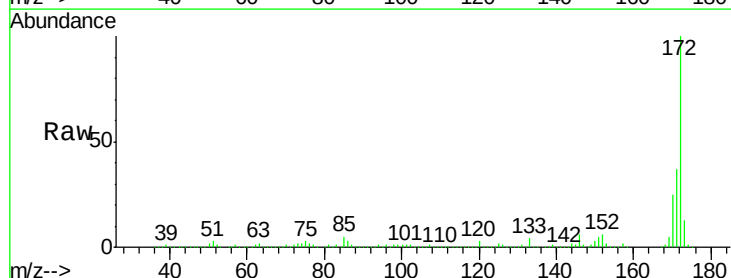


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

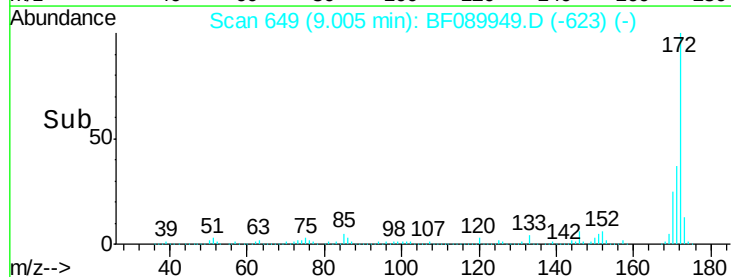
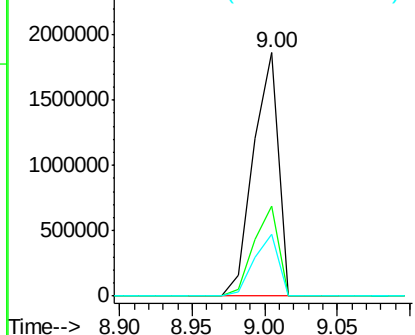


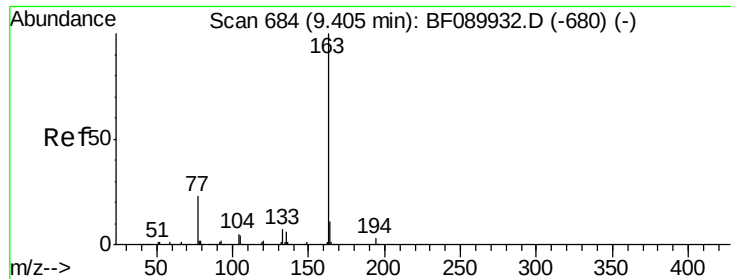
#44
 2-Fluorobiphenyl
 Concen: 77.87 ng
 RT: 9.00 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF089949.D
 Acq: 31 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.2
170	25.2	20.1	30.1



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

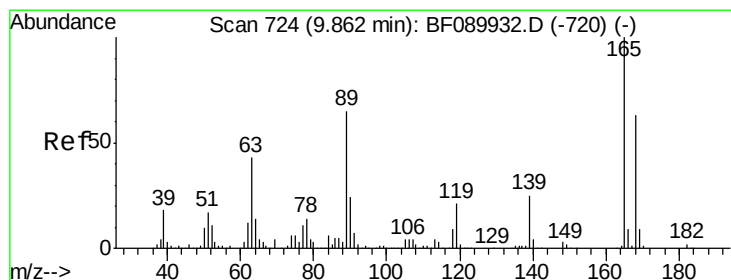
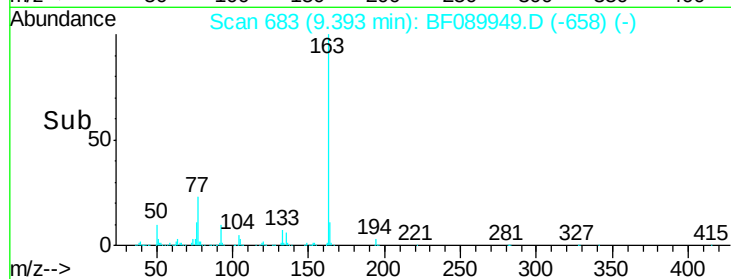
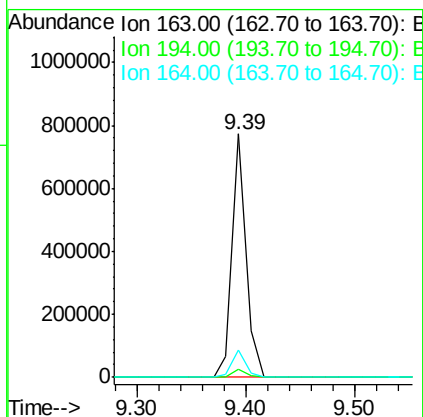
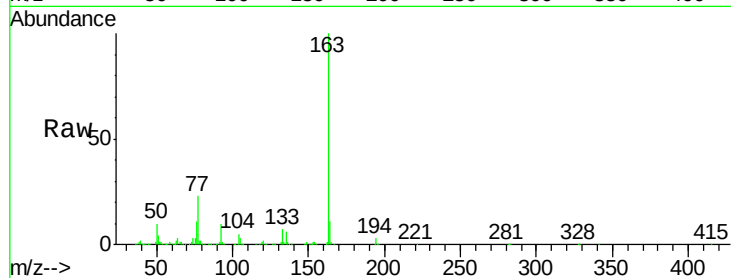




#49
Dimethylphthalate
Concen: 20.08 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

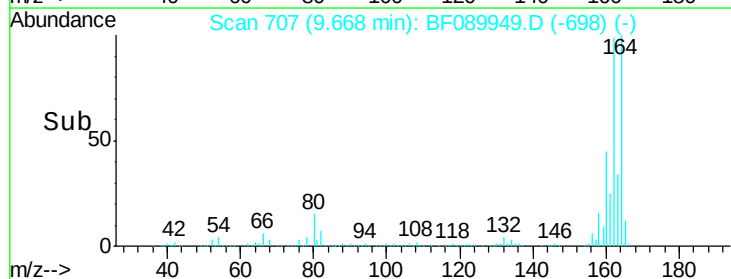
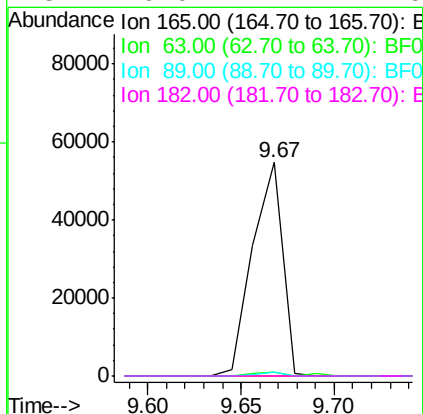
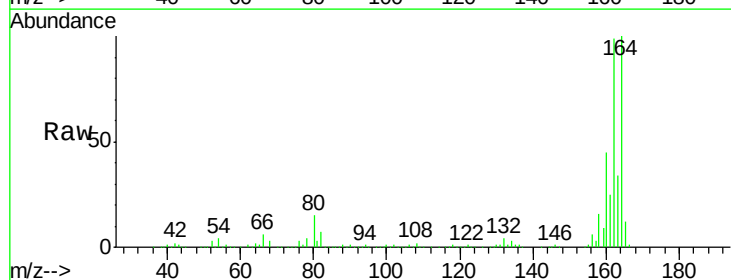
Instrument :
BNA_F
ClientSampleId :

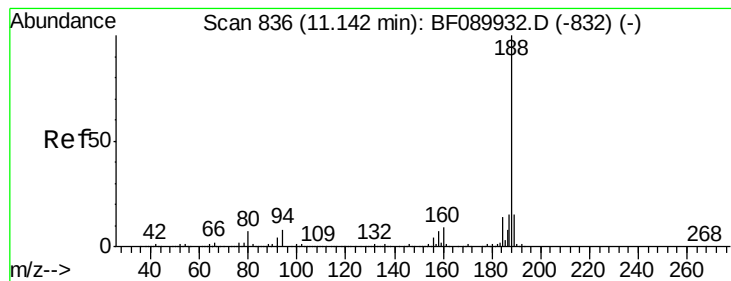
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	11.2	9.0	13.4



#56
2,4-Dinitrotoluene
Concen: 6.50 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.19 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	32.5	48.7#
89	1.5	48.3	72.5#
182	0.0	1.7	2.5#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

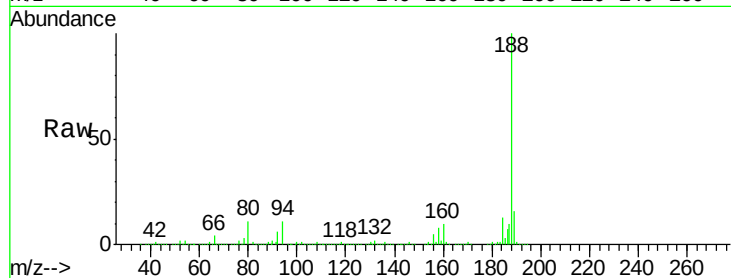
Tot Ion:188 Resp: 746955

Ion Ratio Lower Upper

188 100

94 11.3 5.9 8.9#

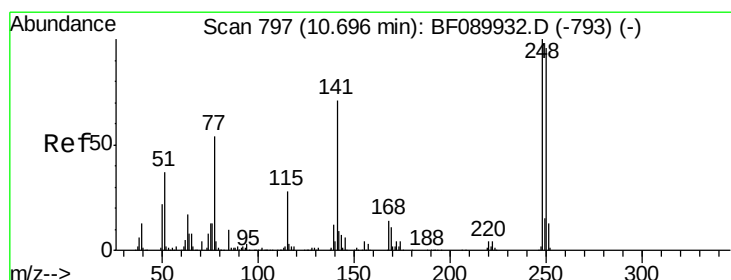
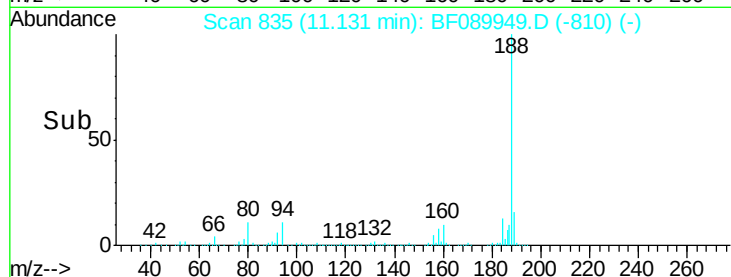
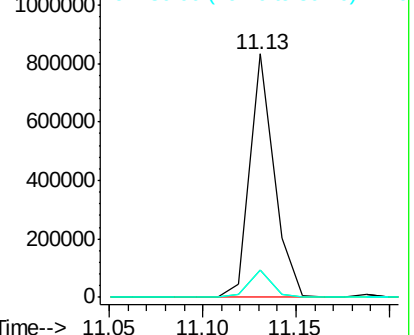
80 11.4 5.8 8.8#



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: 3.38 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.25 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

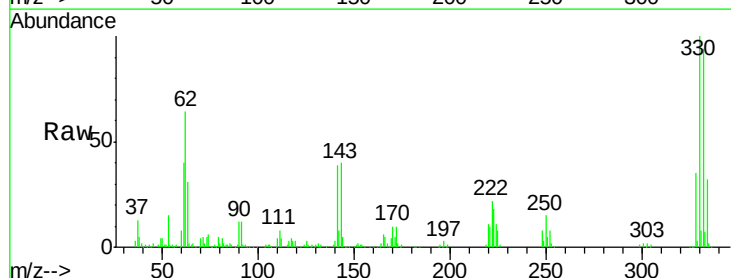
Tgt Ion:248 Resp: 25431

Ion Ratio Lower Upper

248 100

250 194.6 77.3 115.9#

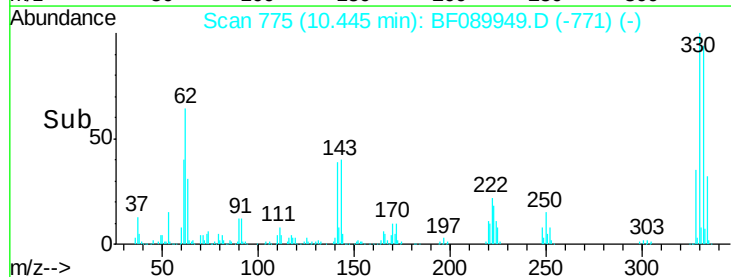
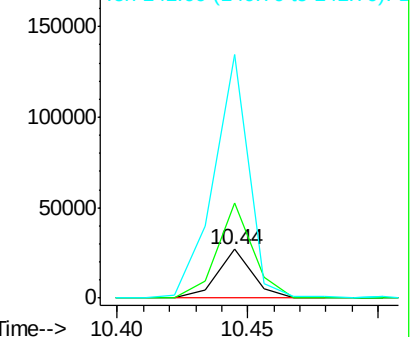
141 497.0 55.8 83.8#

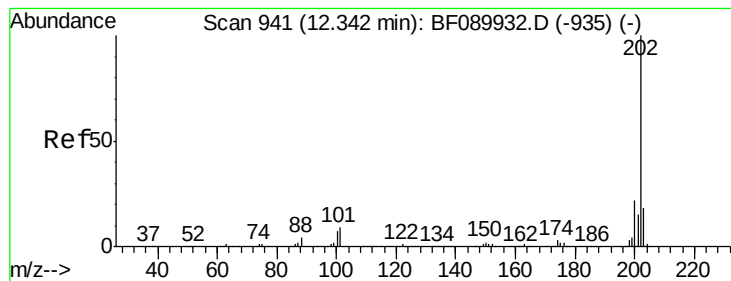


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

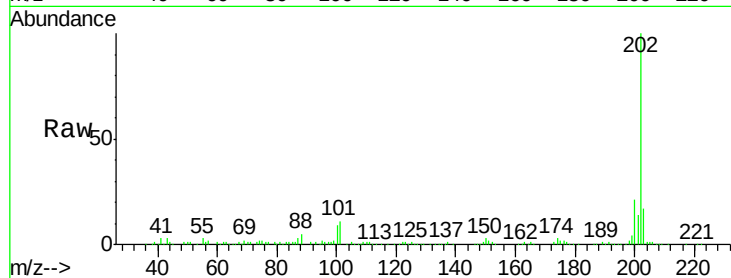




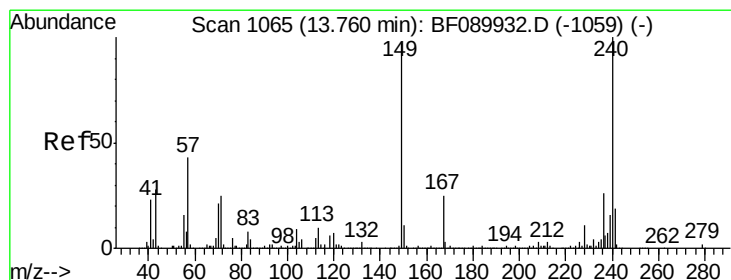
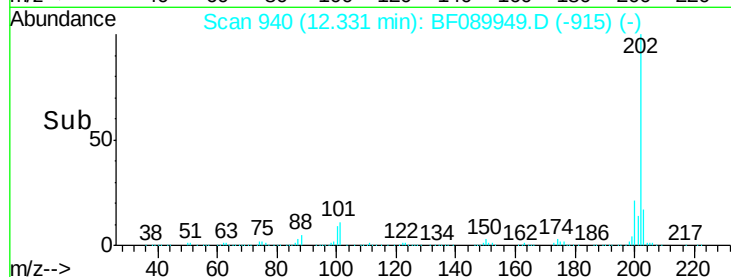
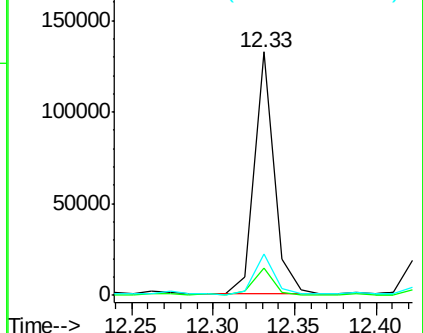
#74
Fluoranthene
Concen: 2.87 ng
RT: 12.33 min Scan# 940
Delta R.T. -0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	28.5
203	17.1	0.0	38.0

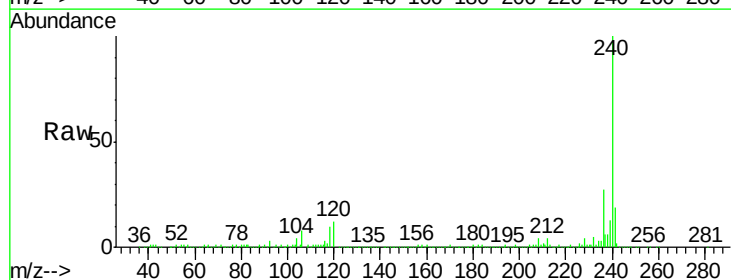


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

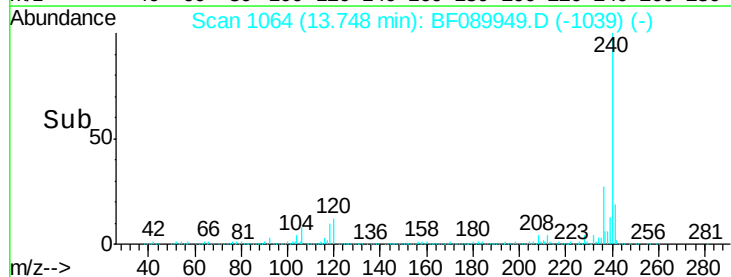
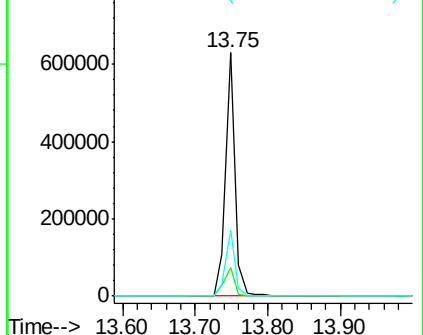


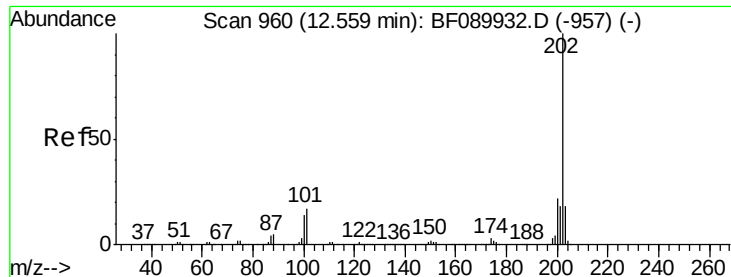
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.9	5.7	8.5#
236	27.1	21.3	31.9



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: 3.57 ng

RT: 12.56 min Scan# 960

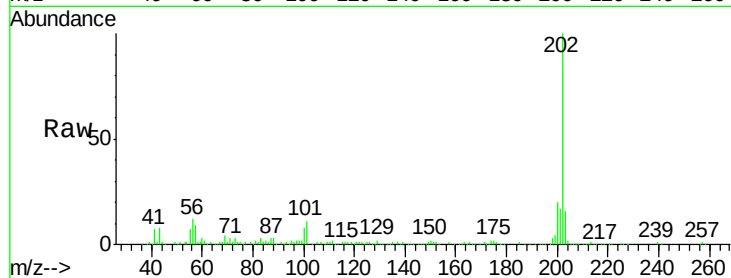
Delta R.T. 0.00 min

Lab File: BF089949.D

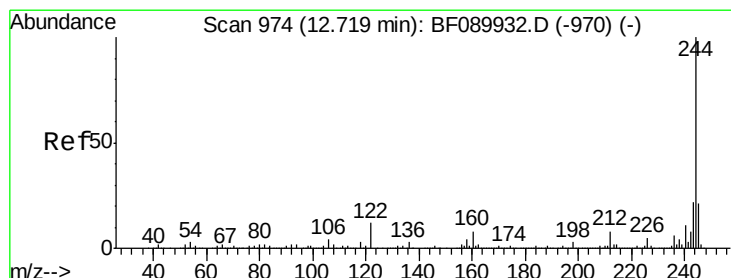
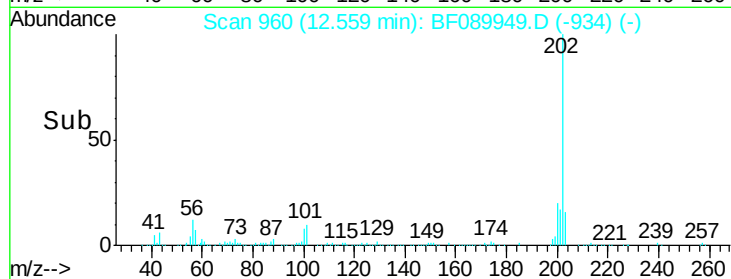
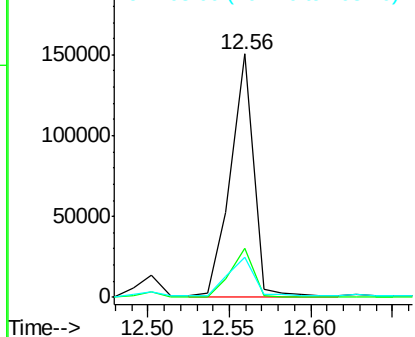
Acq: 31 Aug 2016 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	202	Resp:	146057
Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.6	26.4
203	16.3	14.6	21.8



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: 60.17 ng

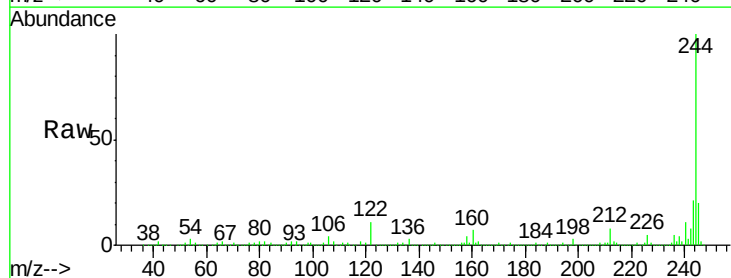
RT: 12.72 min Scan# 974

Delta R.T. 0.00 min

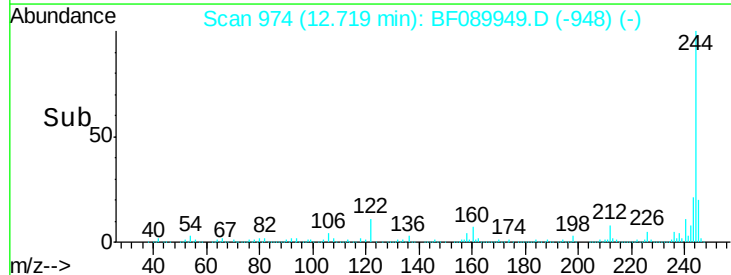
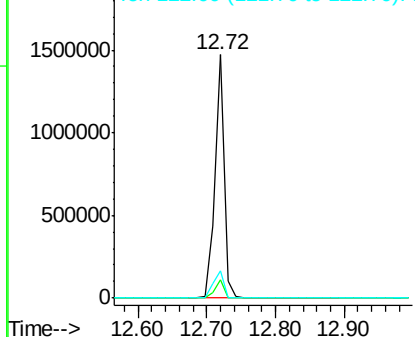
Lab File: BF089949.D

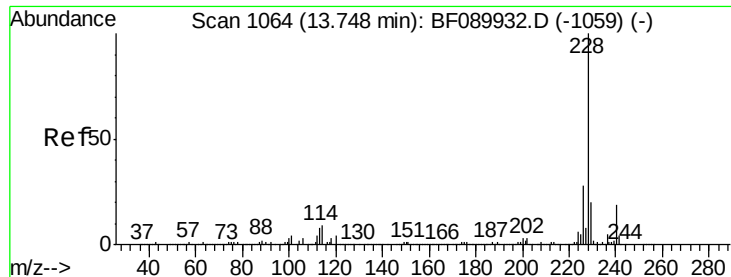
Acq: 31 Aug 2016 14:40

Tgt Ion:	244	Resp:	1415327
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	11.1	9.6	14.4



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: 8.00 ng

RT: 13.77 min Scan# 1066

Delta R.T. 0.02 min

Lab File: BF089949.D

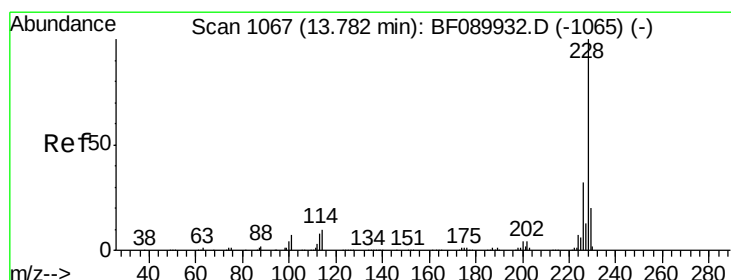
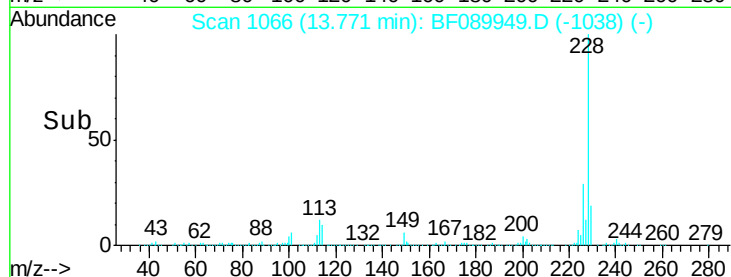
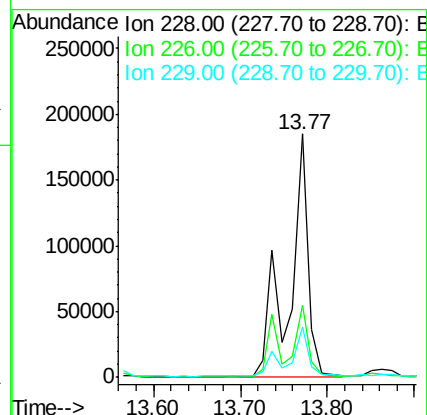
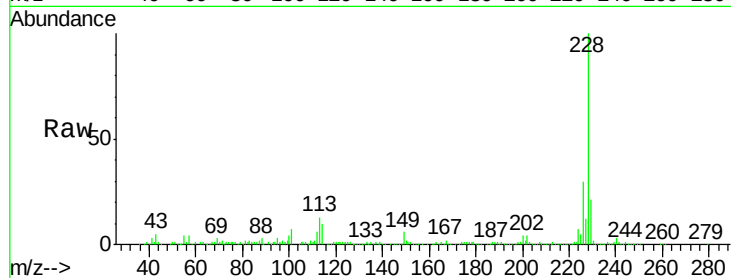
Acq: 31 Aug 2016 14:40

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	284820
Ion	Ratio	Lower Upper
228	100	
226	29.8	22.2 33.2
229	20.5	15.8 23.6



#82

Chrysene

Concen: 8.57 ng

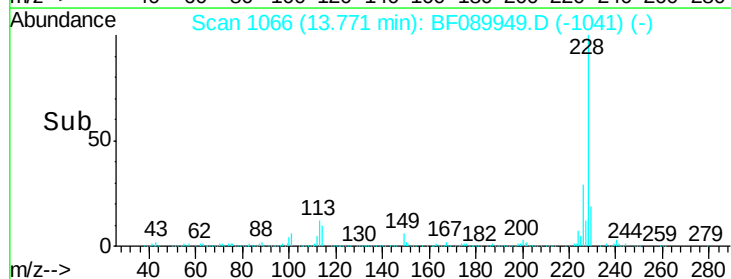
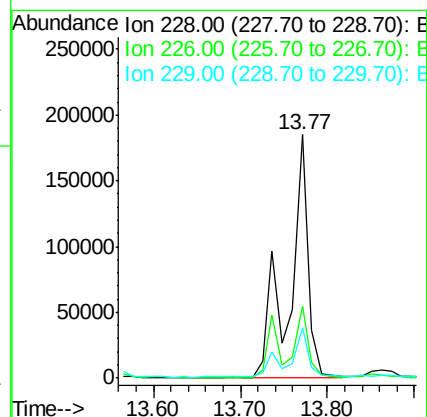
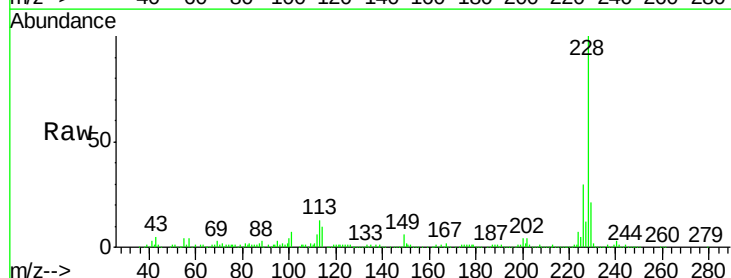
RT: 13.77 min Scan# 1066

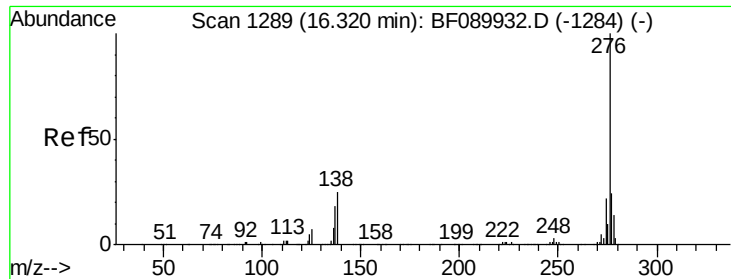
Delta R.T. -0.01 min

Lab File: BF089949.D

Acq: 31 Aug 2016 14:40

Tgt Ion:228	Resp:	284820
Ion	Ratio	Lower Upper
228	100	
226	29.8	25.2 37.8
229	20.5	16.2 24.2

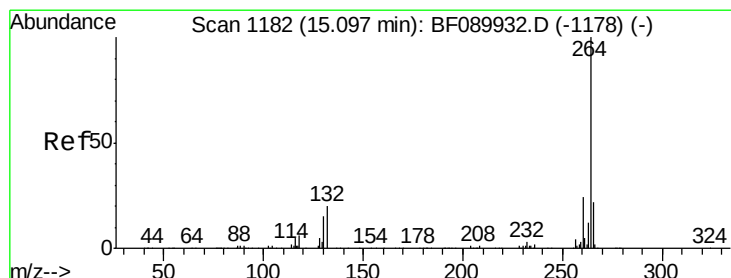
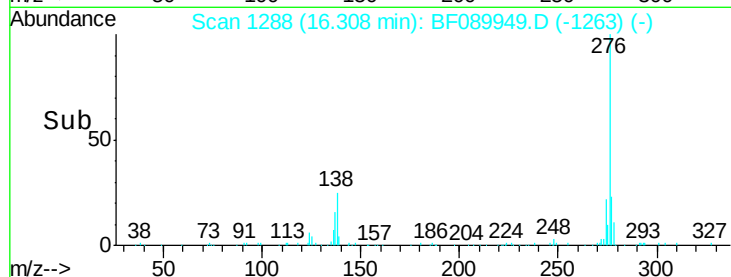
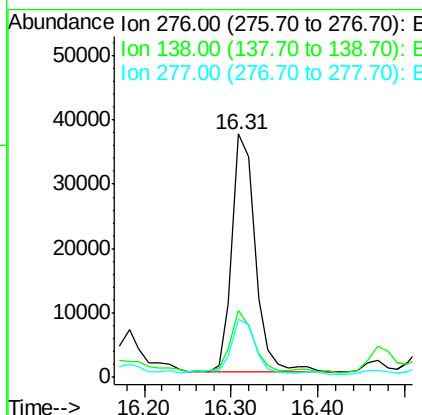
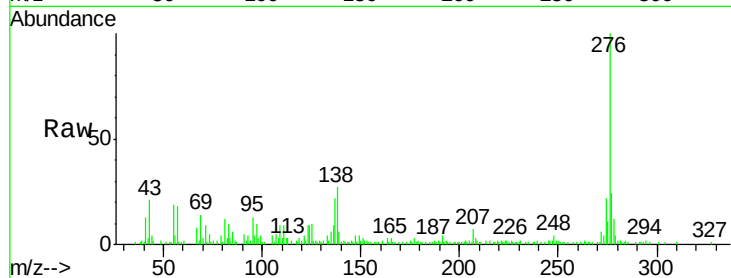




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.81 ng
 RT: 16.31 min Scan# 1288
 Delta R.T. -0.01 min
 Lab File: BF089949.D
 Acq: 31 Aug 2016 14:40

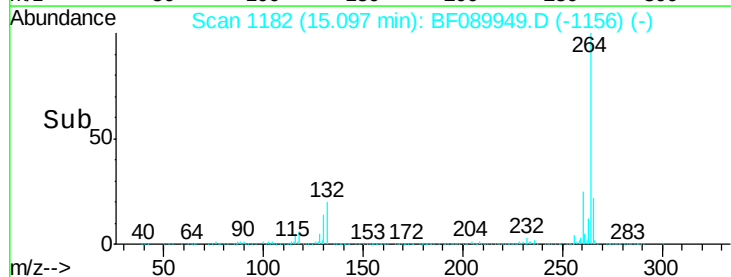
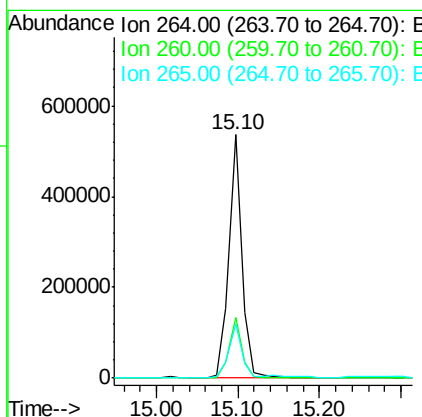
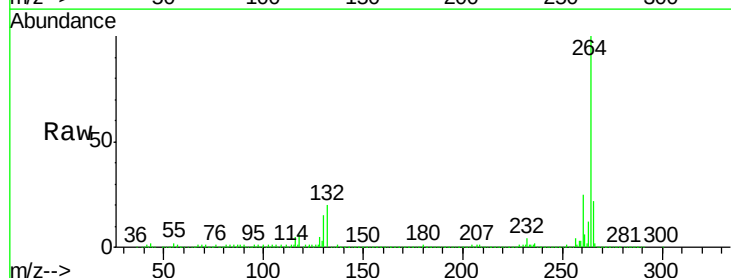
Instrument :
 BNA_F
 ClientSampleId :

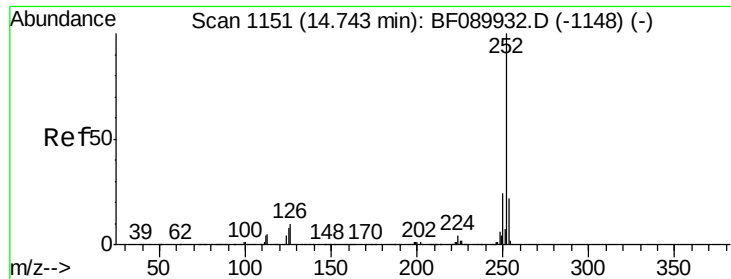
Tot Ion:276 Resp: 69059
 Ion Ratio Lower Upper
 276 100
 138 24.8 22.6 34.0
 277 25.4 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.10 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BF089949.D
 Acq: 31 Aug 2016 14:40

Tgt Ion:264 Resp: 596031
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.0
 265 22.1 17.4 26.2

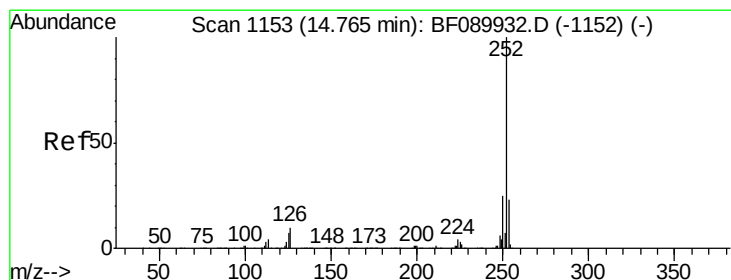
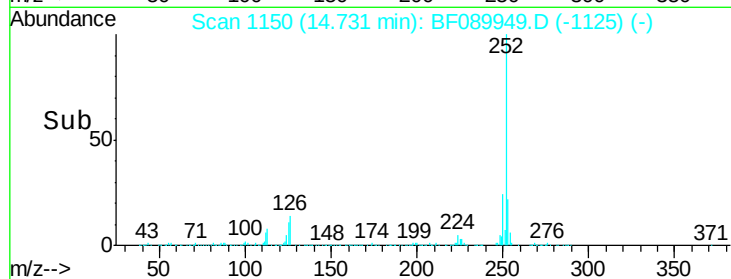
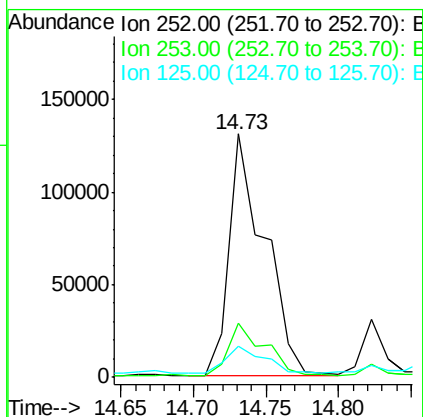
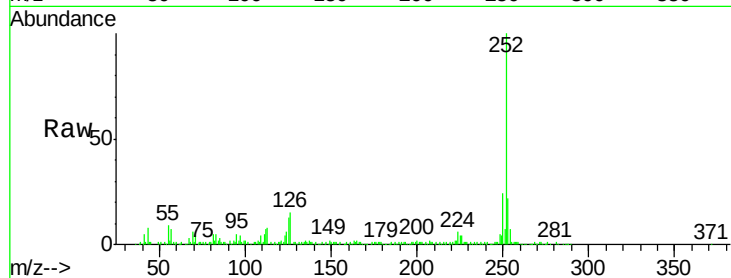




#87
Benzo(b)fluoranthene
Concen: 5.98 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

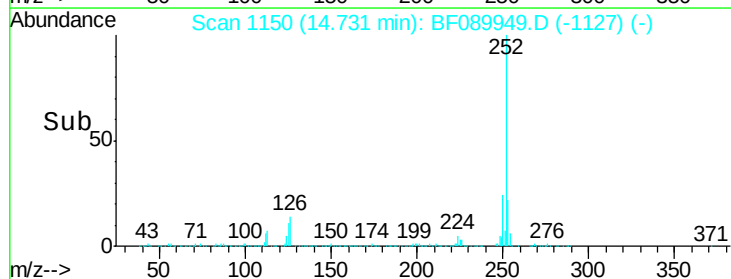
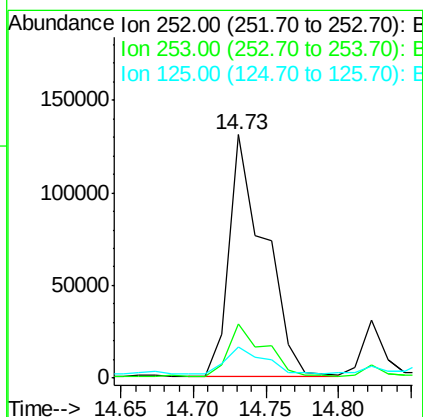
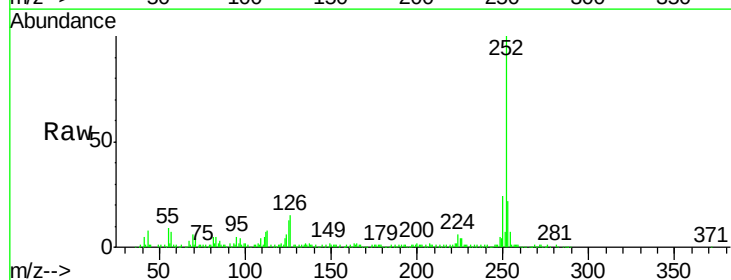
Instrument :
BNA_F
ClientSampleId :

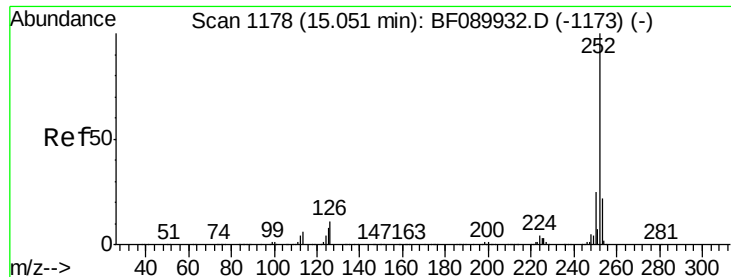
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	13.0	5.7	8.5#



#88
Benzo(k)fluoranthene
Concen: 7.05 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	13.0	7.3	10.9#

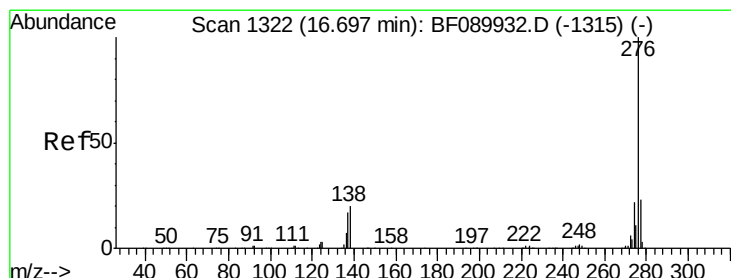
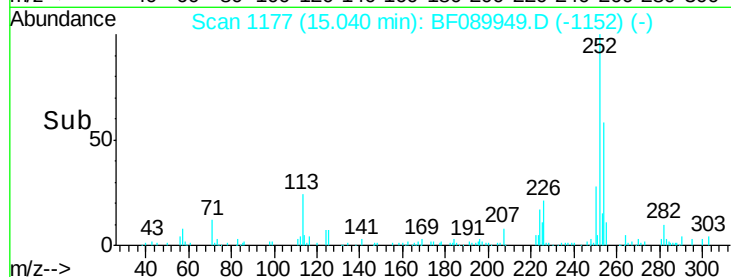
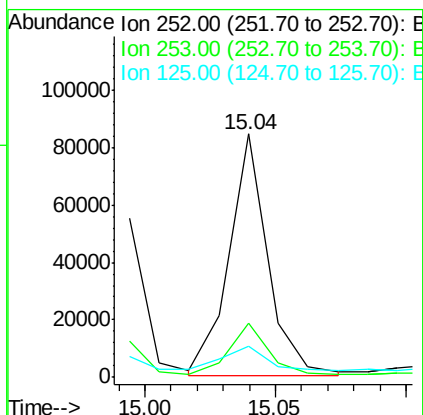
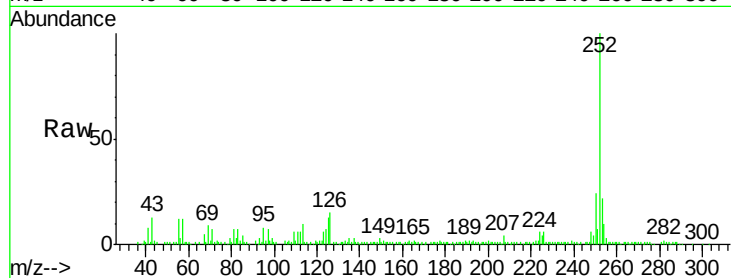




#89
Benzo(a)pyrene
Concen: 2.73 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	12.7	6.3	9.5



#91
Benzo(g,h,i)perylene
Concen: 2.80 ng
RT: 16.67 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF089949.D
Acq: 31 Aug 2016 14:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.0	28.4
138	29.7	16.4	24.6

