

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083116\
 Data File : BF089945.D
 Acq On : 31 Aug 2016 12:47
 Operator : UM/SJ
 Sample : H4612-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 15:19:42 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	233261	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	920776	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	484133	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	822672	20.00	ng	-0.01
75) Chrysene-d12	13.75	240	602766	20.00	ng	-0.01
86) Perylene-d12	15.10	264	558074	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	798105	54.77	ng	0.00
7) Phenol-d6	6.27	99	1037760	58.61	ng	0.00
23) Nitrobenzene-d5	7.20	82	772715	48.67	ng	-0.01
41) 2,4,6-Tribromophenol	10.44	330	214836	44.98	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1434214	48.63	ng	-0.01
78) Terphenyl-d14	12.72	244	1125317	46.12	ng	0.00

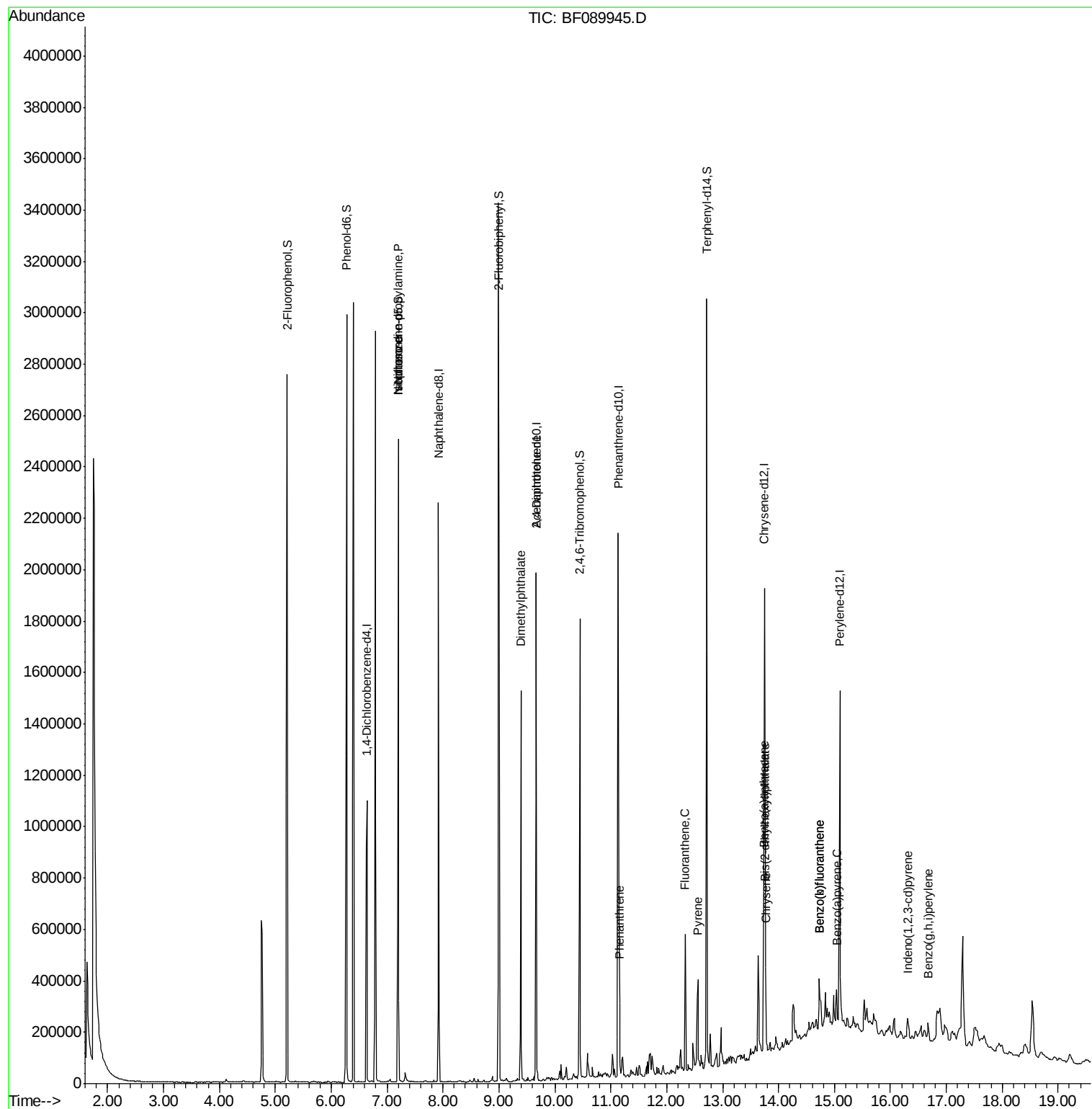
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.20	70	103788	8.99	ng	# 85
25) Isophorone	7.20	82	629080	19.48	ng	# 65
49) Dimethylphthalate	9.39	163	549183	15.69	ng	99
56) 2,4-Dinitrotoluene	9.67	165	61699	6.25	ng	# 30
70) Phenanthrene	11.15	178	99542	2.43	ng	97
74) Fluoranthene	12.33	202	207762	4.84	ng	97
77) Pyrene	12.56	202	181845	4.28	ng	96
80) Benzo(a)anthracene	13.74	228	103636	2.81	ng	98
82) Chrysene	13.77	228	71733	2.08	ng	98
83) Bis(2-ethylhexyl)phthalate	13.76	149	74155	3.13	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.31	276	51799	2.03	ng	97
87) Benzo(b)fluoranthene	14.73	252	137615	3.94	ng	# 96
88) Benzo(k)fluoranthene	14.73	252	137615	4.64	ng	# 97
89) Benzo(a)pyrene	15.04	252	70592	2.36	ng	# 95
91) Benzo(a,h,i)perylene	16.67	276	48282	2.19	ng	# 92

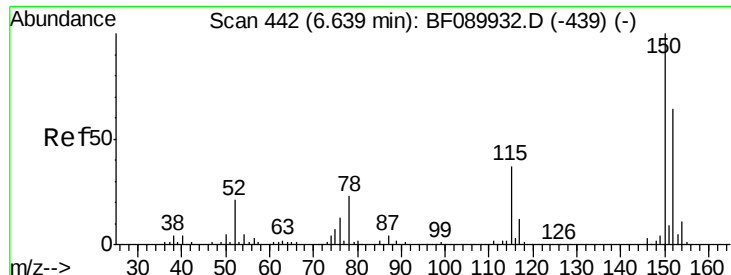
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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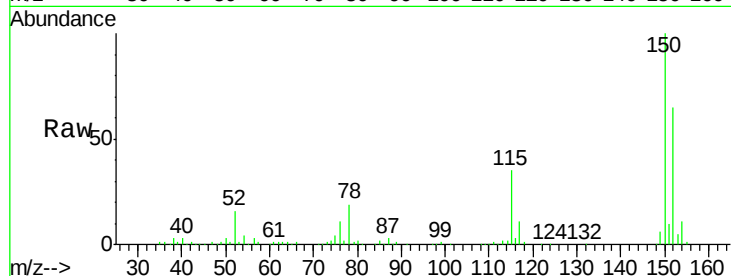


#1

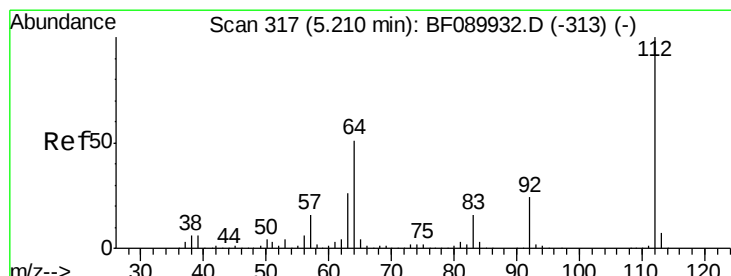
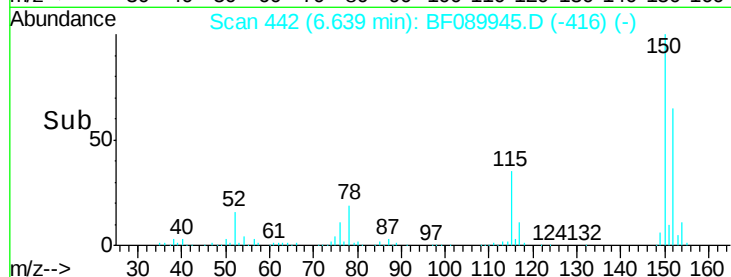
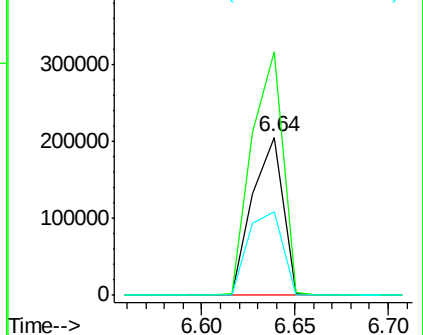
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 442
Delta R.T. 0.00 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 233261
Ion Ratio Lower Upper
152 100
150 153.9 127.4 191.2
115 53.2 46.3 69.5



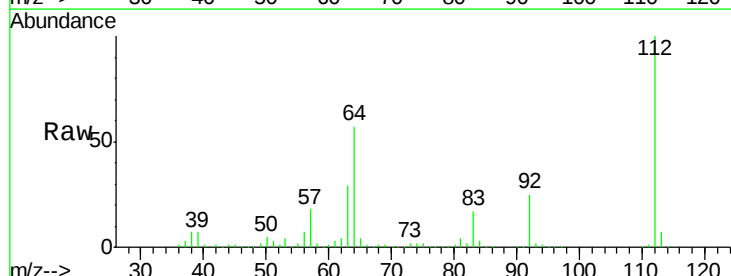
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



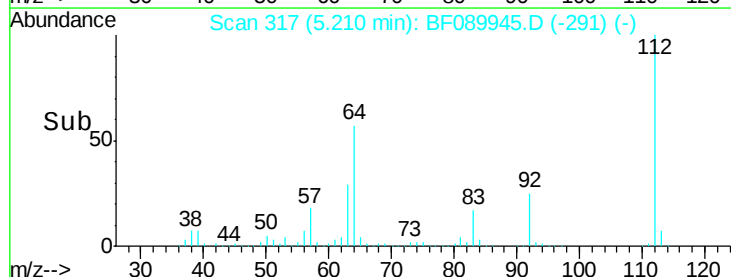
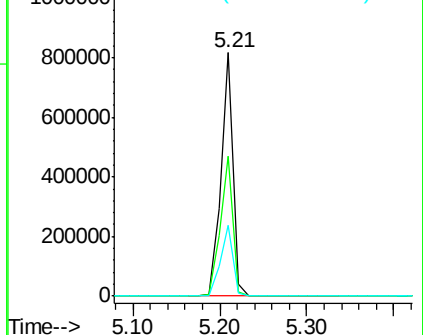
#5

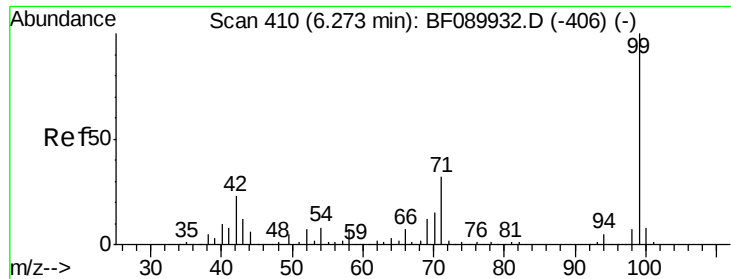
2-Fluorophenol
Concen: 54.77 ng
RT: 5.21 min Scan# 317
Delta R.T. 0.00 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

Tgt Ion:112 Resp: 798105
Ion Ratio Lower Upper
112 100
64 57.4 41.1 61.7
63 29.1 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: 58.61 ng

RT: 6.27 min Scan# 410

Delta R.T. 0.00 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

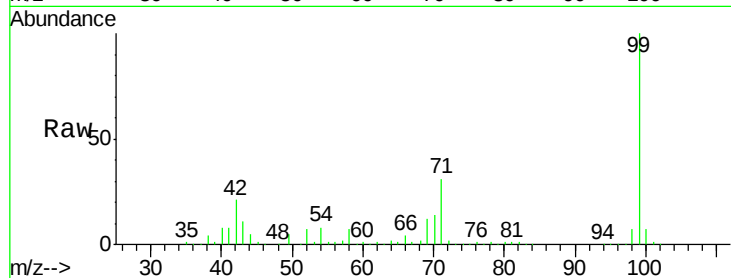
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1037760

Ion	Ratio	Lower	Upper
99	100		
42	21.2	18.6	27.8
71	30.5	25.8	38.6

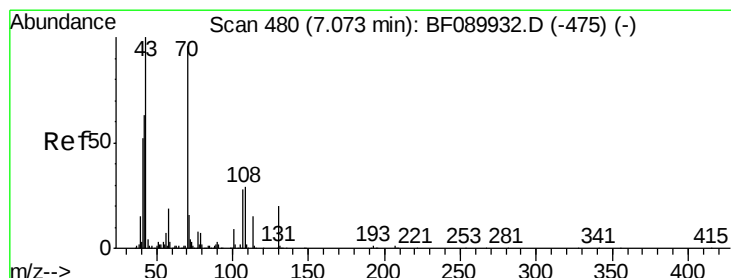
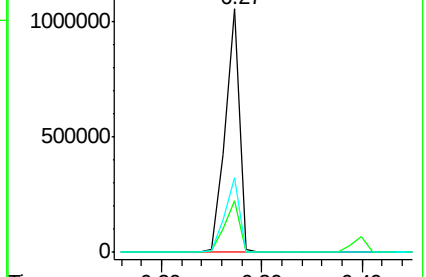
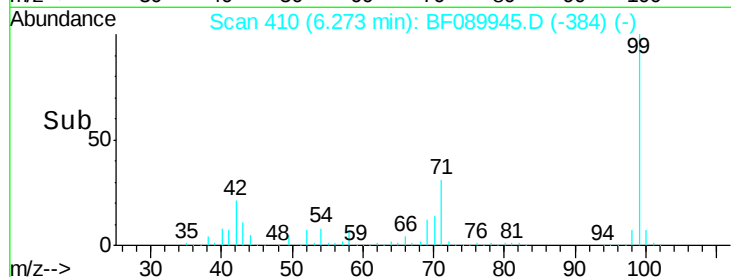


Abundance

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: 8.99 ng

RT: 7.20 min Scan# 491

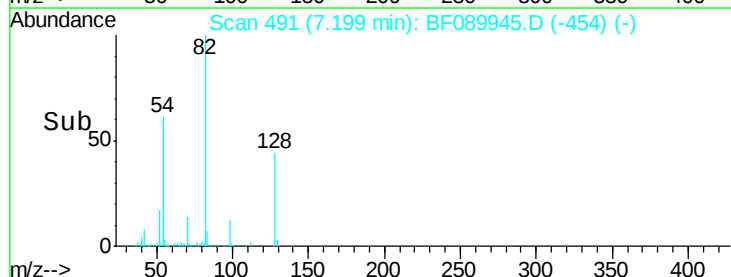
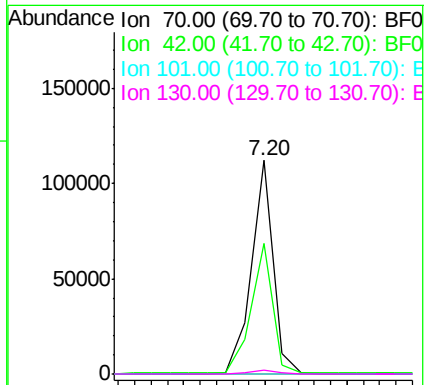
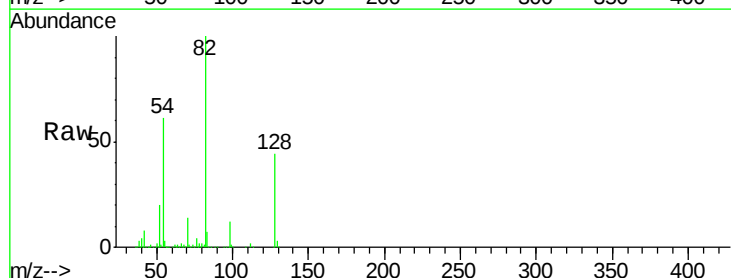
Delta R.T. 0.13 min

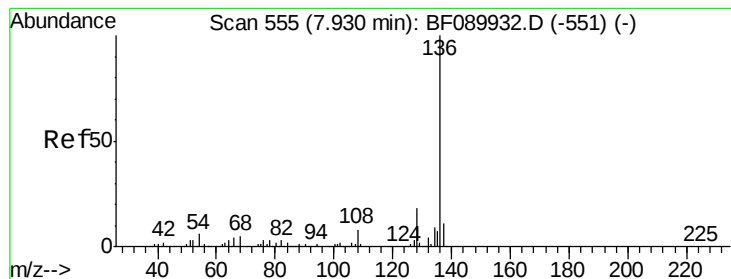
Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

Tgt Ion: 70 Resp: 103788

Ion	Ratio	Lower	Upper
70	100		
42	61.3	52.1	78.1
101	0.0	7.4	11.2#
130	2.1	17.0	25.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 920776

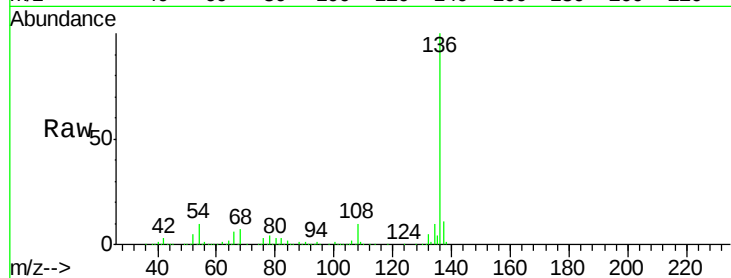
Ion Ratio Lower Upper

136 100

137 11.2 8.3 12.5

54 10.2 4.8 7.2#

68 7.2 3.7 5.5#

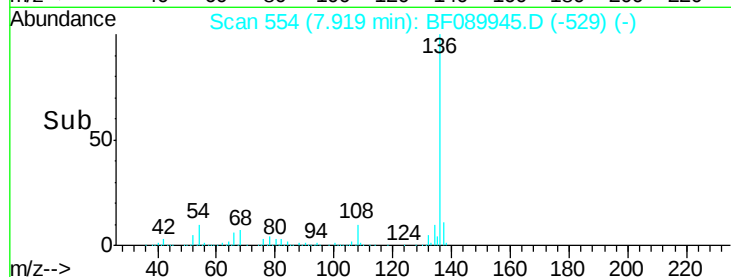


Abundance Ion 136.00 (135.70 to 136.70): E

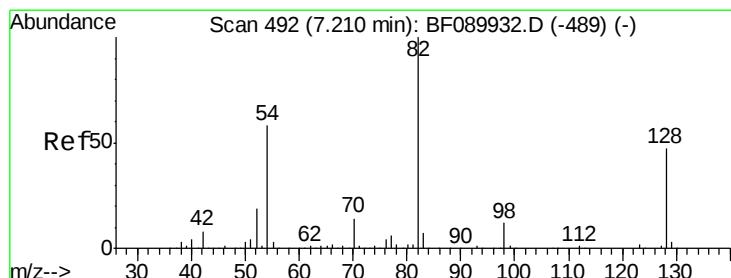
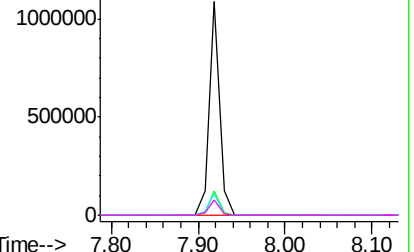
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 48.67 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

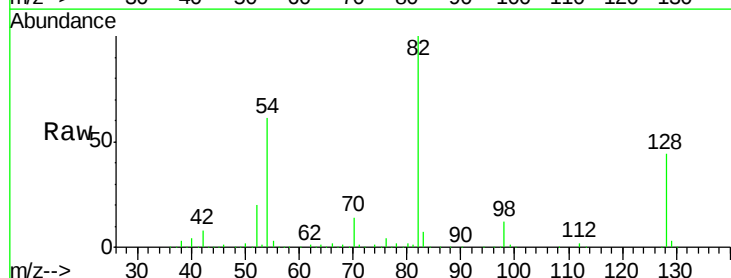
Tgt Ion: 82 Resp: 772715

Ion Ratio Lower Upper

82 100

128 43.8 37.8 56.8

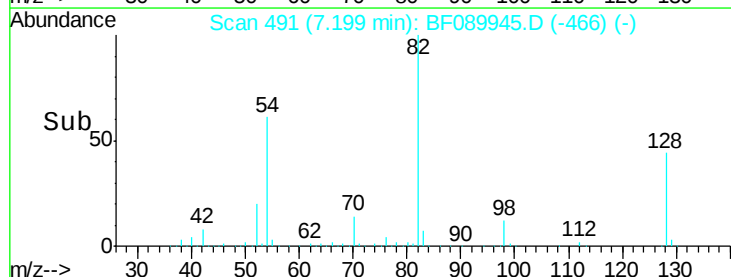
54 61.3 46.9 70.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

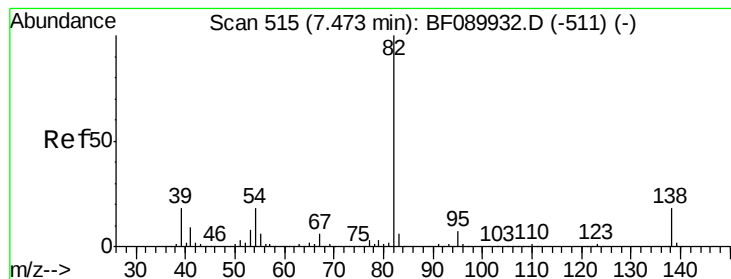
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 19.48 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.27 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

Instrument :

BNA_F

ClientSampleId :

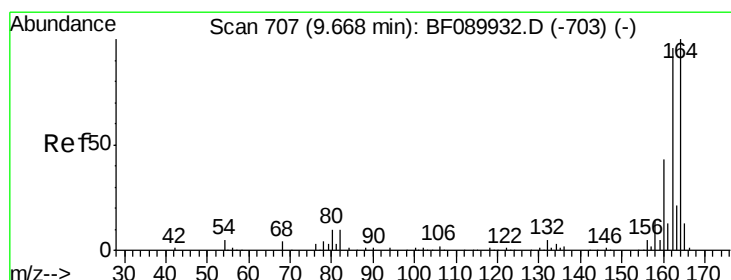
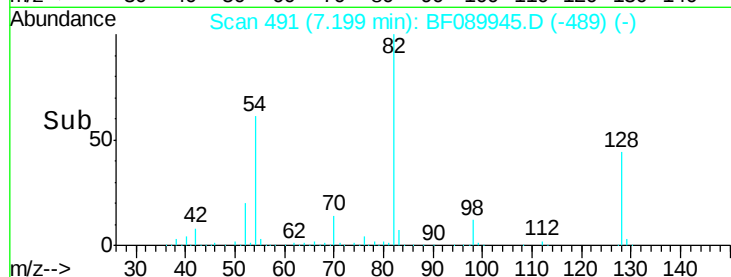
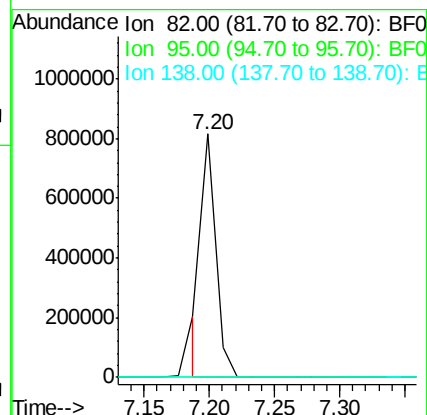
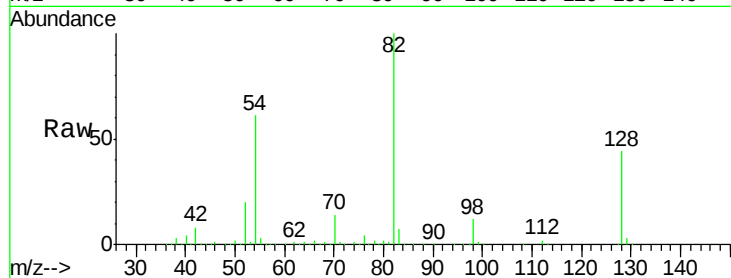
Tot Ion: 82 Resp: 629080

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.4 21.6#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

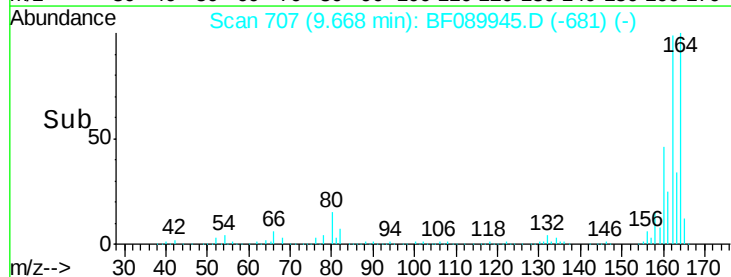
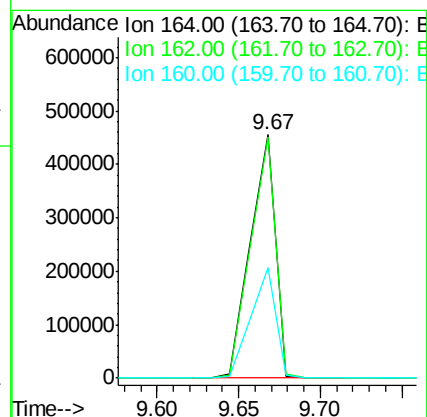
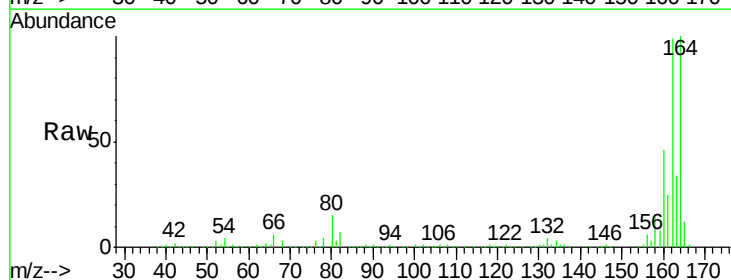
Tgt Ion: 164 Resp: 484133

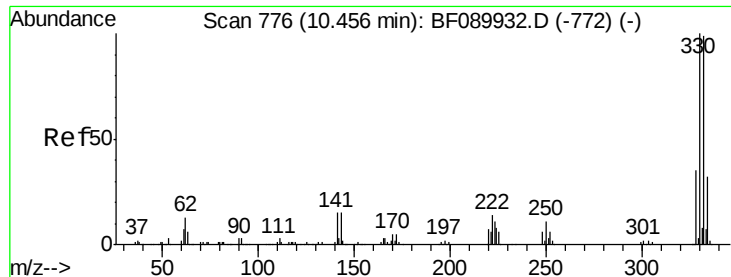
Ion Ratio Lower Upper

164 100

162 99.0 77.1 115.7

160 45.6 35.3 52.9

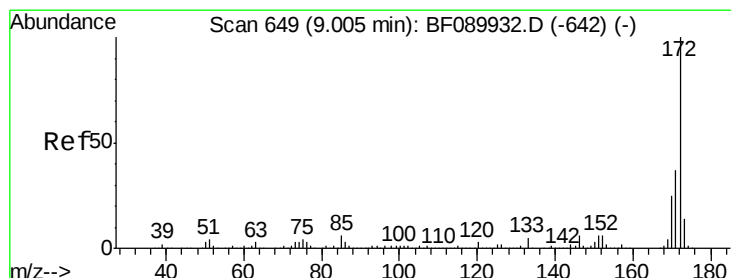
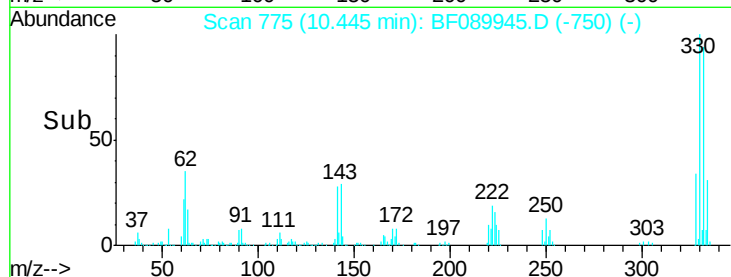
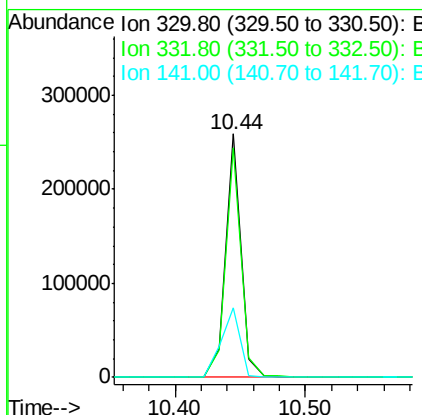
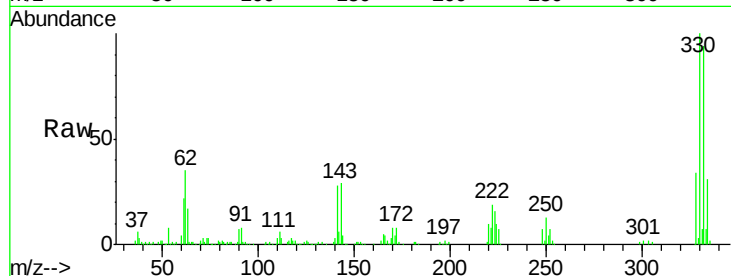




#41
 2,4,6-Tribromophenol
 Concen: 44.98 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF089945.D
 Acq: 31 Aug 2016 12:47

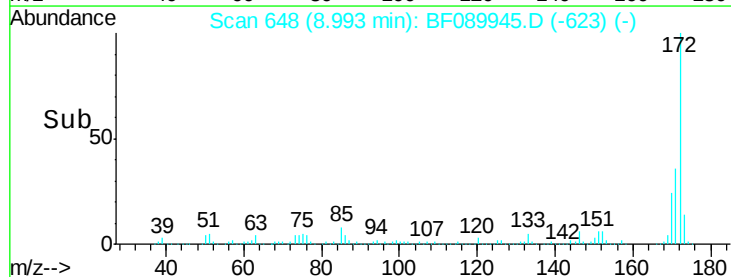
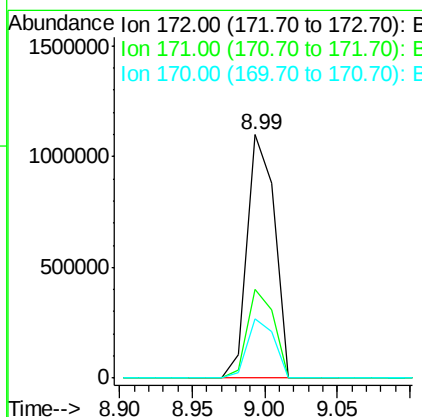
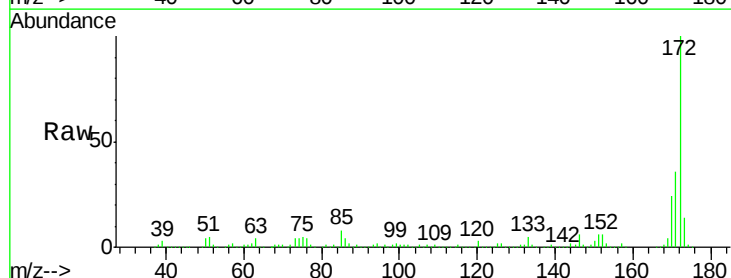
Instrument :
 BNA_F
 ClientSampleId :

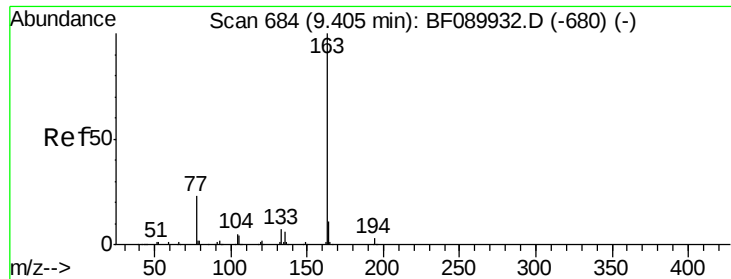
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.6	117.8
141	35.3	23.3	34.9



#44
 2-Fluorobiphenyl
 Concen: 48.63 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF089945.D
 Acq: 31 Aug 2016 12:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.2
170	24.4	20.1	30.1

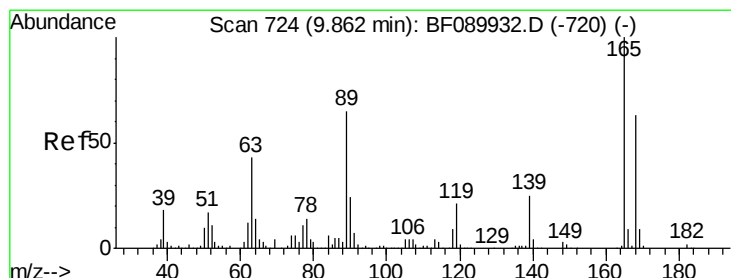
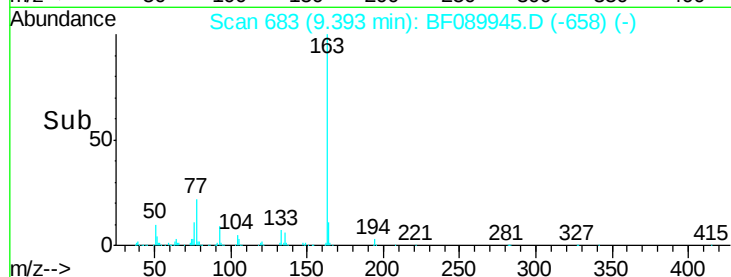
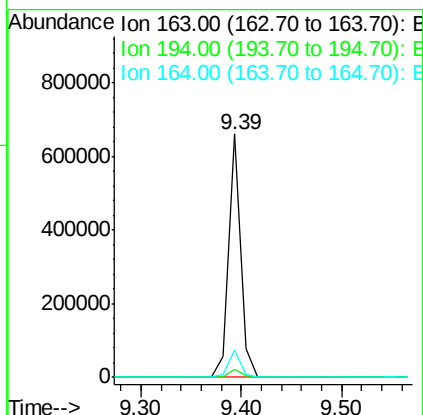
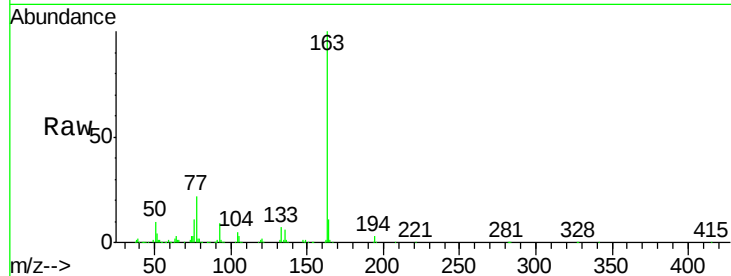




#49
Dimethylphthalate
Concen: 15.69 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

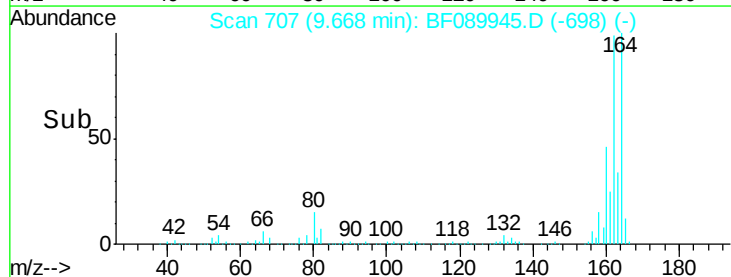
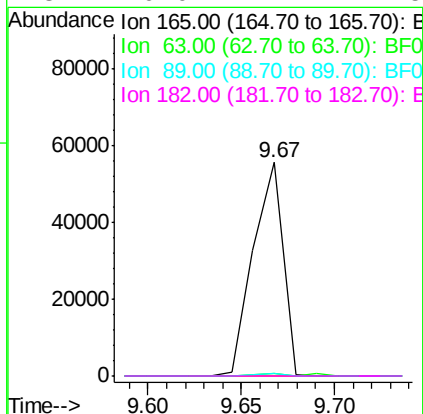
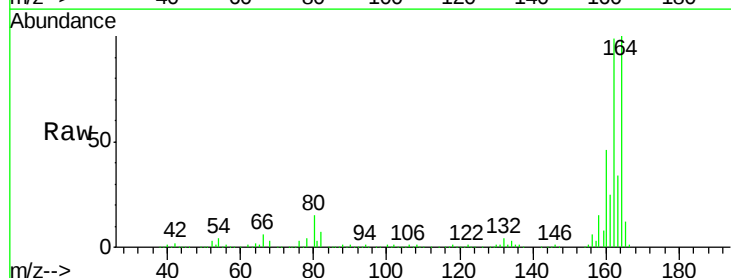
Instrument :
BNA_F
ClientSampleId :

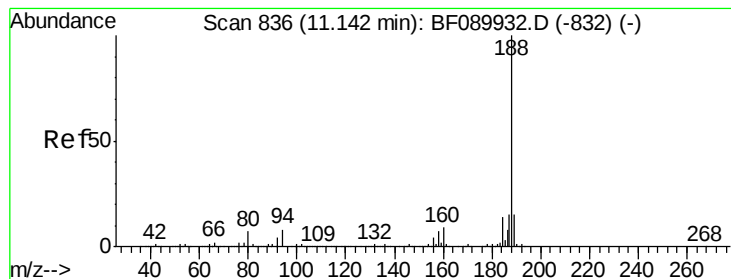
Tot Ion:163 Resp: 549183
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 11.0 9.0 13.4



#56
2,4-Dinitrotoluene
Concen: 6.25 ng
RT: 9.67 min Scan# 707
Delta R.T. -0.19 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

Tgt Ion:165 Resp: 61699
Ion Ratio Lower Upper
165 100
63 1.4 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: BF089945.D

Acq: 31 Aug 2016 12:47

Instrument :

BNA_F

ClientSampleId :

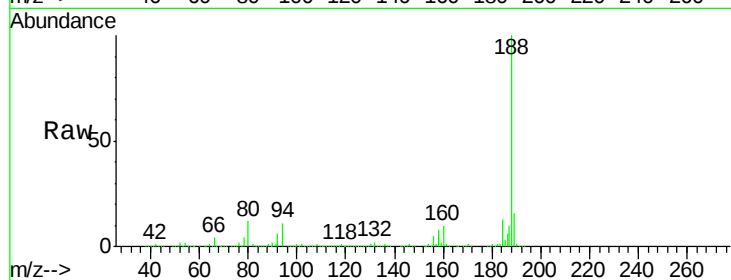
Tot Ion:188 Resp: 822672

Ion Ratio Lower Upper

188 100

94 11.3 5.9 8.9#

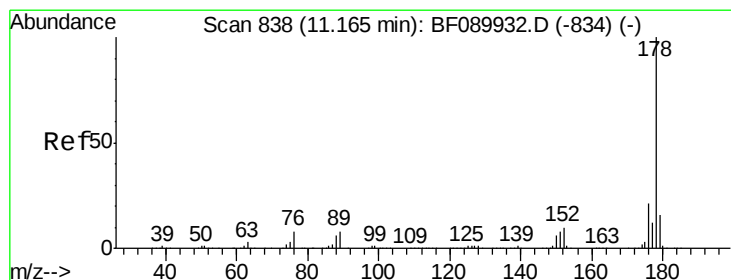
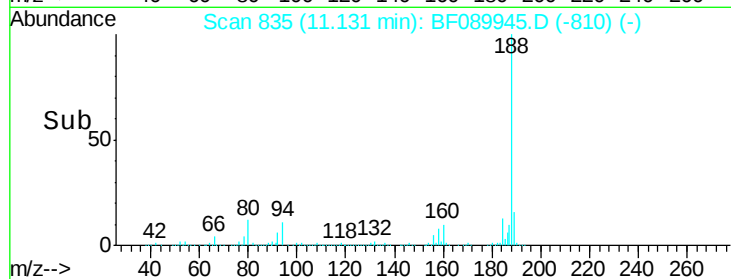
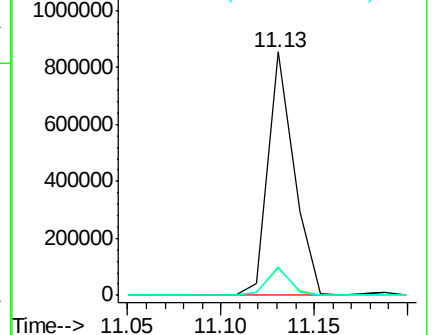
80 11.9 5.8 8.8#



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



#70

Phenanthrene

Concen: 2.43 ng

RT: 11.15 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

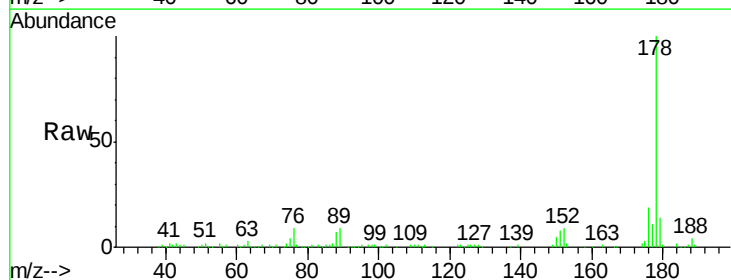
Tgt Ion:178 Resp: 99542

Ion Ratio Lower Upper

178 100

176 19.4 16.5 24.7

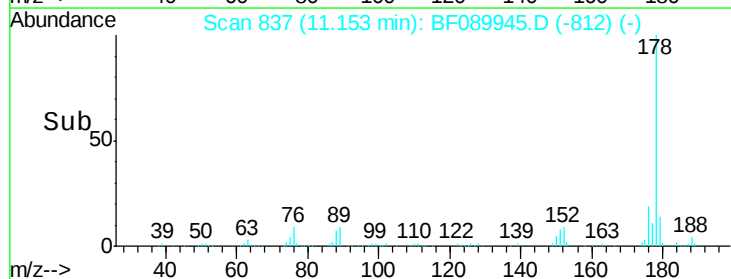
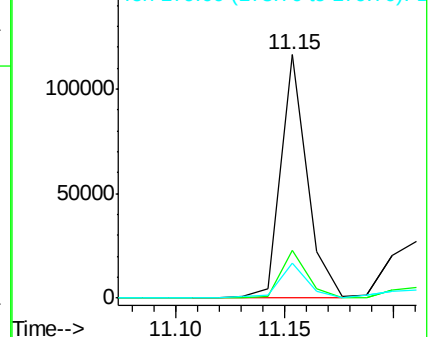
179 14.3 12.8 19.2

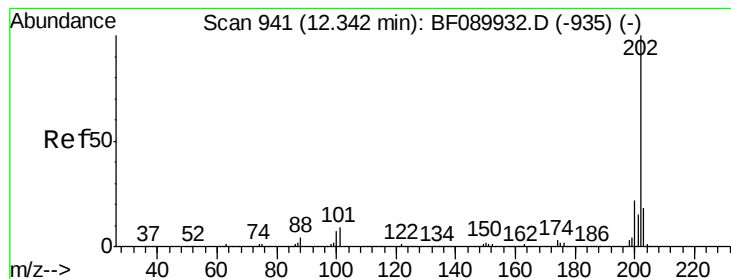


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.84 ng

RT: 12.33 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

Instrument :

BNA_F

ClientSampleId :

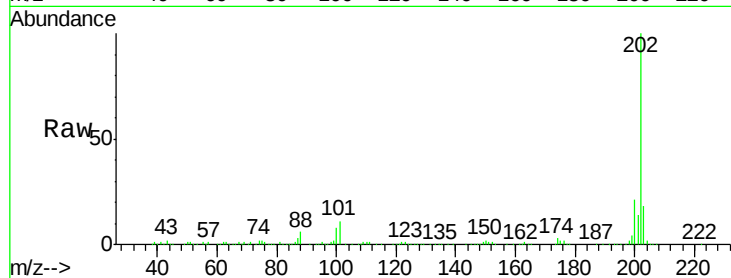
Tot Ion:202 Resp: 207762

Ion Ratio Lower Upper

202 100

101 11.0 0.0 28.5

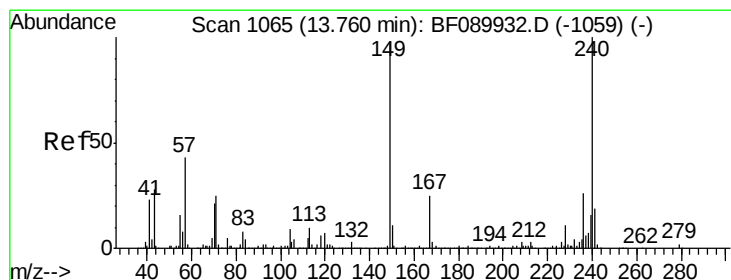
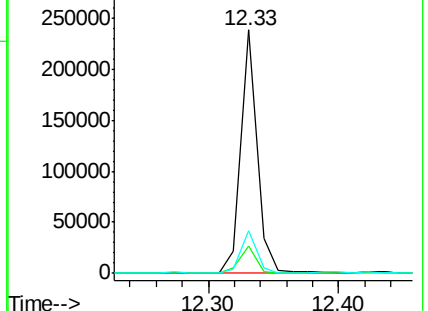
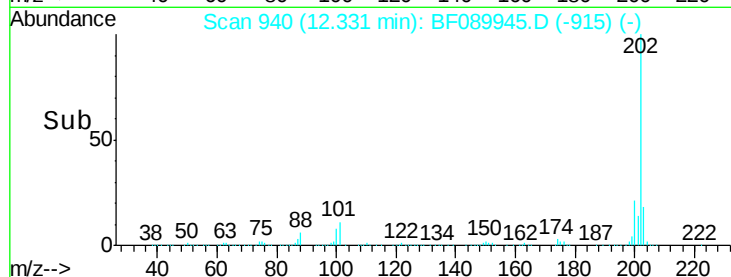
203 17.6 0.0 38.0



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: BF089945.D

Acq: 31 Aug 2016 12:47

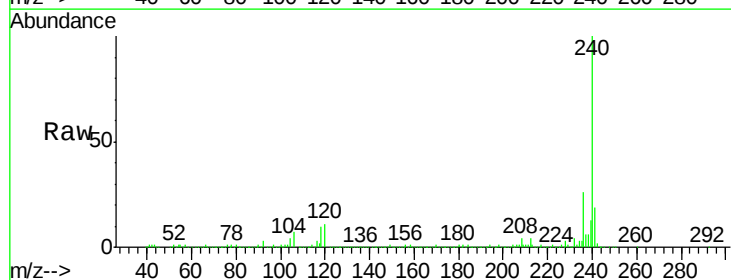
Tgt Ion:240 Resp: 602766

Ion Ratio Lower Upper

240 100

120 10.9 5.7 8.5#

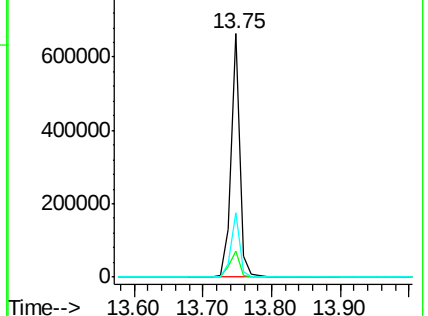
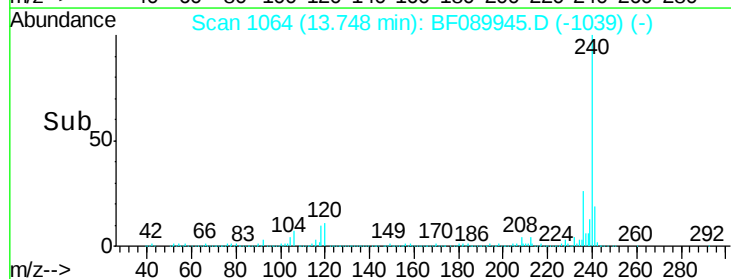
236 26.3 21.3 31.9

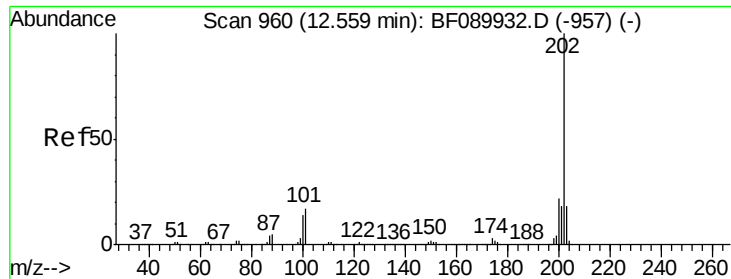


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

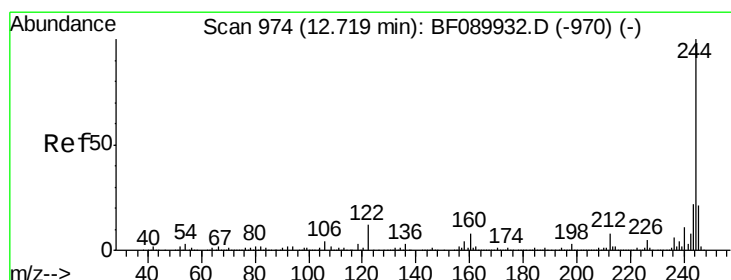
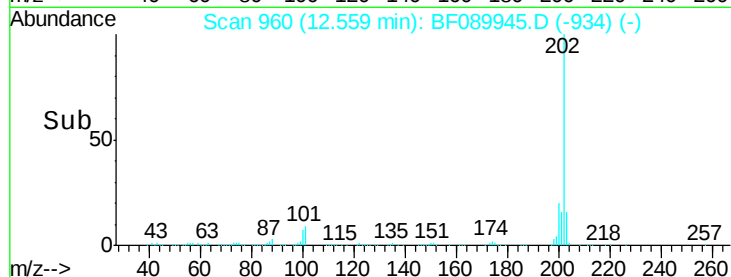
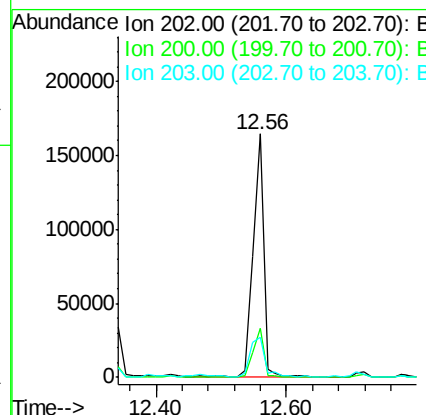
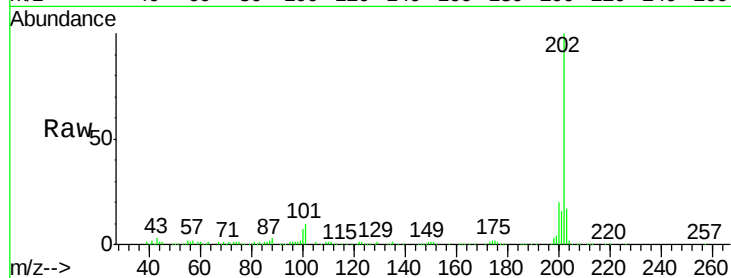




#77
Pvrene
Concen: 4.28 ng
RT: 12.56 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

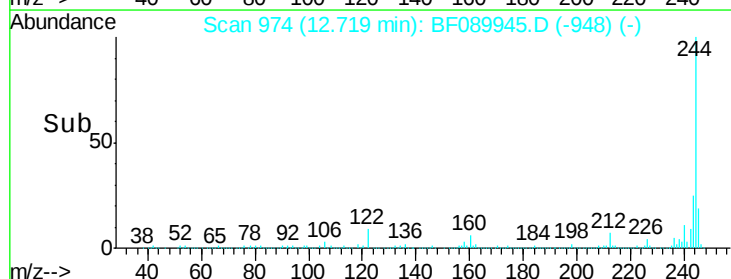
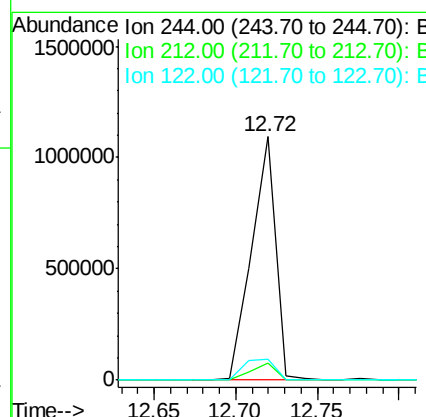
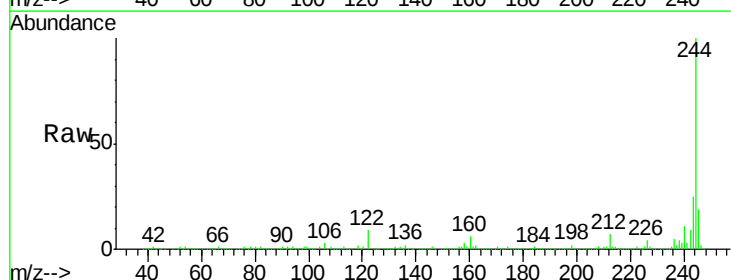
Instrument :
BNA_F
ClientSampleId :

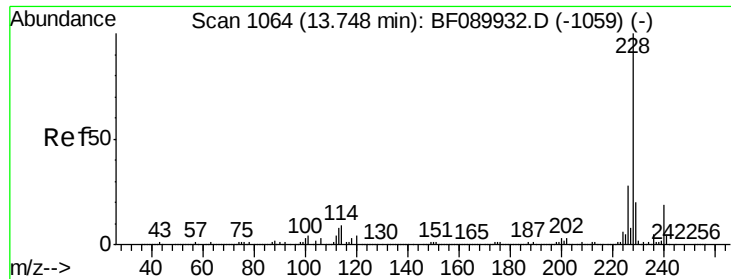
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	16.5	14.6	21.8



#78
Terphenyl-d14
Concen: 46.12 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	8.6	9.6	14.4





#80

Benzo(a)anthracene

Concen: 2.81 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.01 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

Instrument :

BNA_F

ClientSampleId :

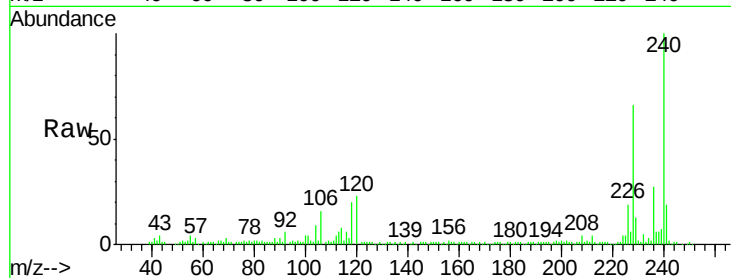
Tot Ion:228 Resp: 103636

Ion Ratio Lower Upper

228 100

226 28.9 22.2 33.2

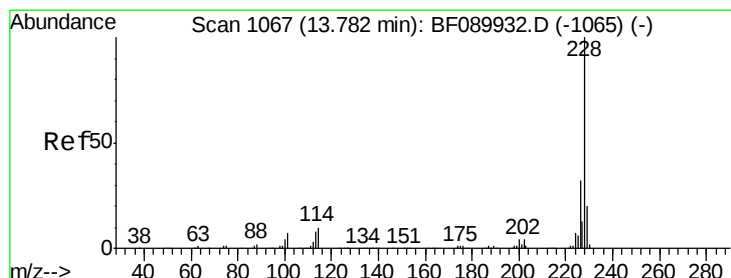
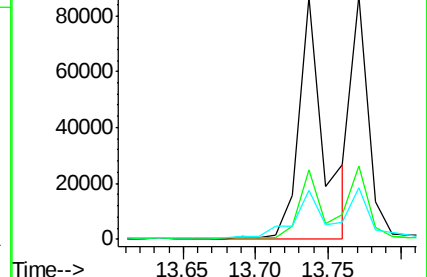
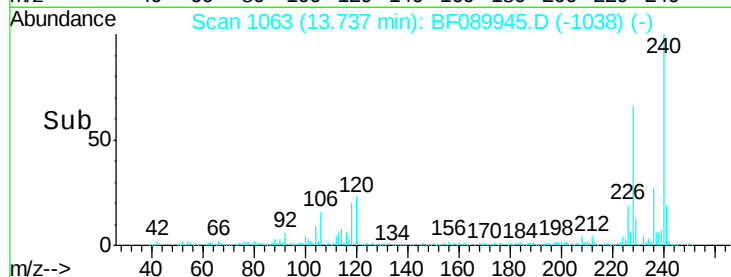
229 20.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.08 ng

RT: 13.77 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

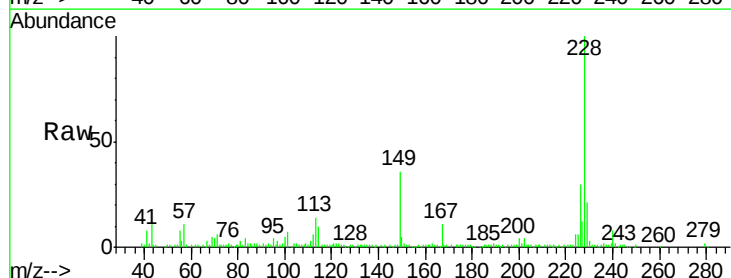
Tgt Ion:228 Resp: 71733

Ion Ratio Lower Upper

228 100

226 30.0 25.2 37.8

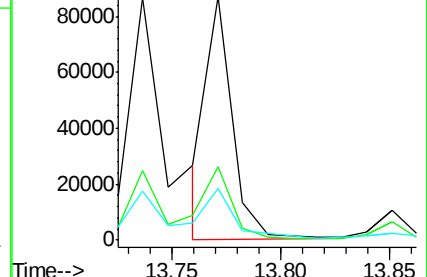
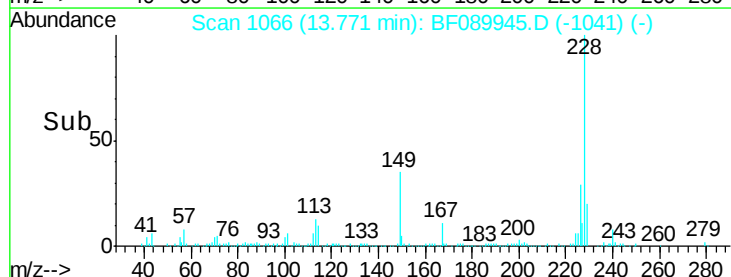
229 21.2 16.2 24.2

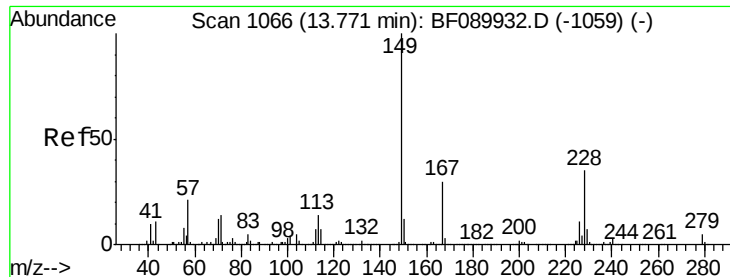


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.13 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

Instrument :

BNA_F

ClientSampleId :

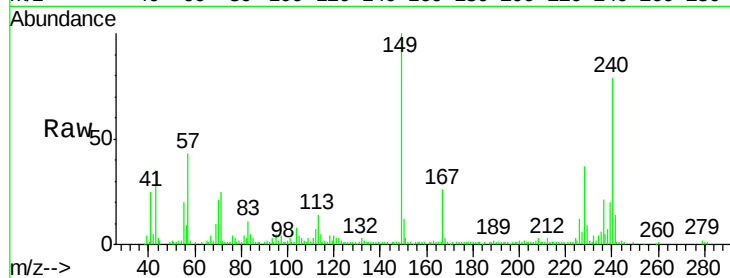
Tot Ion:149 Resp: 74155

Ion Ratio Lower Upper

149 100

167 26.5 23.6 35.4

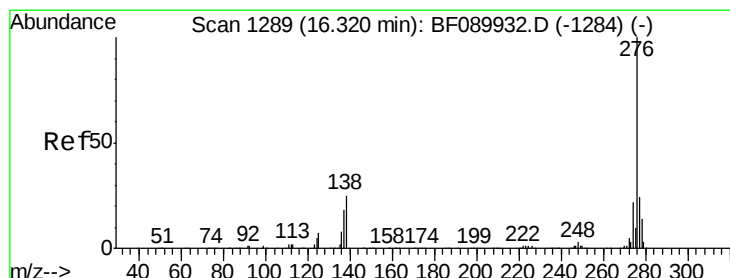
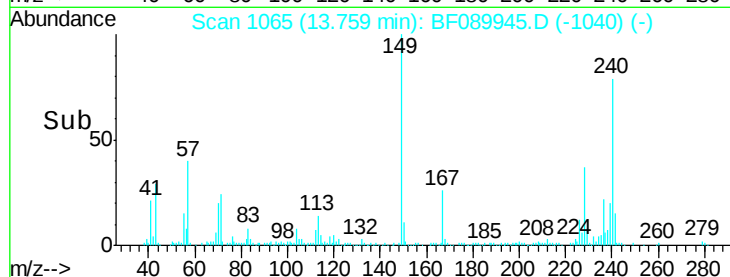
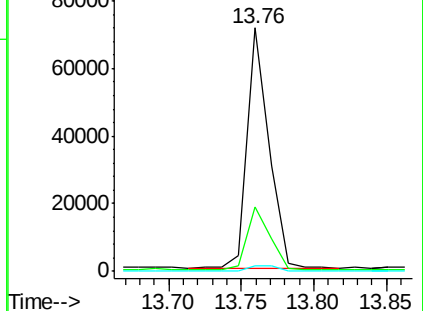
279 2.5 3.4 5.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.03 ng

RT: 16.31 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF089945.D

Acq: 31 Aug 2016 12:47

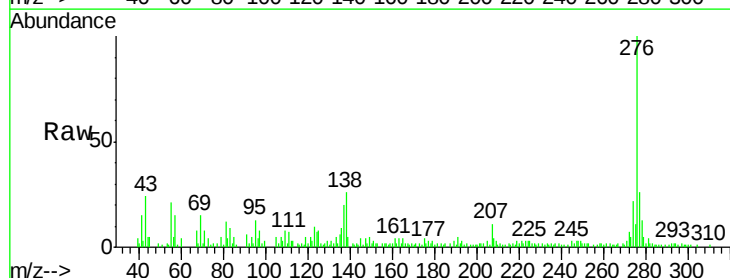
Tgt Ion:276 Resp: 51799

Ion Ratio Lower Upper

276 100

138 26.9 22.6 34.0

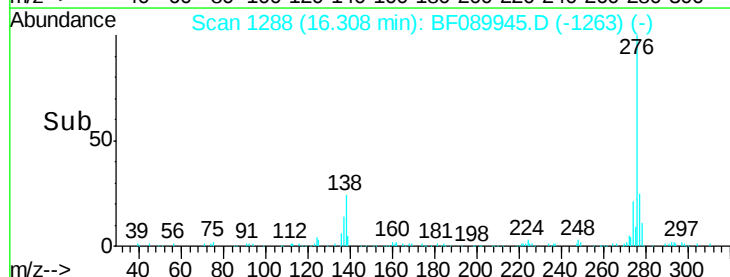
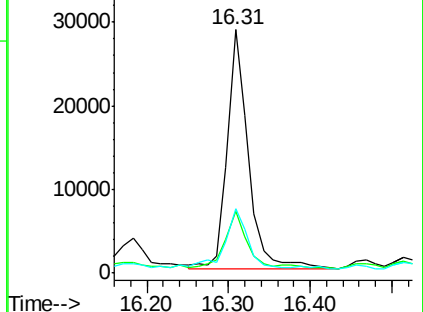
277 27.3 20.1 30.1

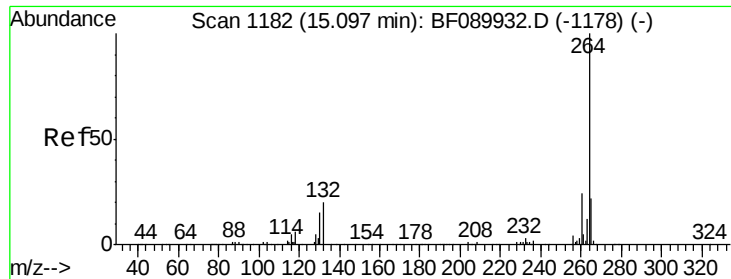


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



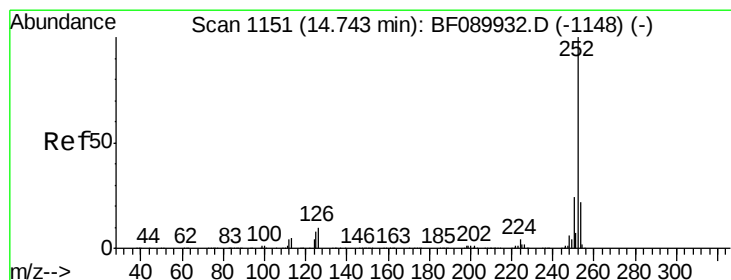
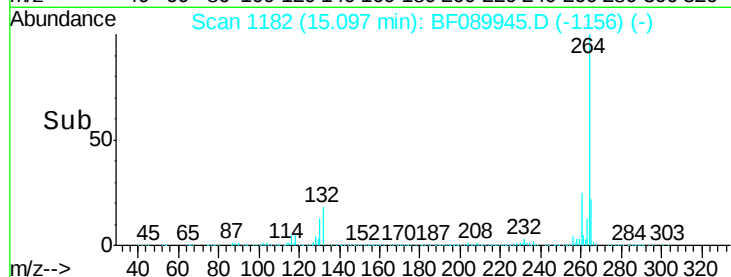
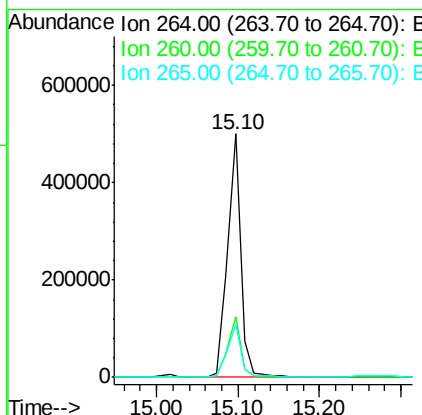
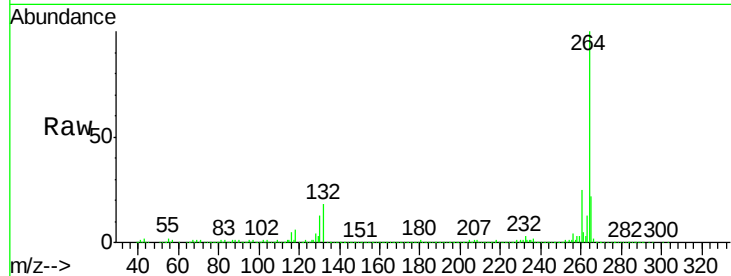


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.10 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 558074

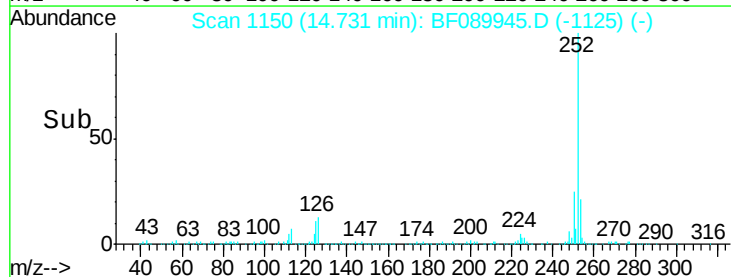
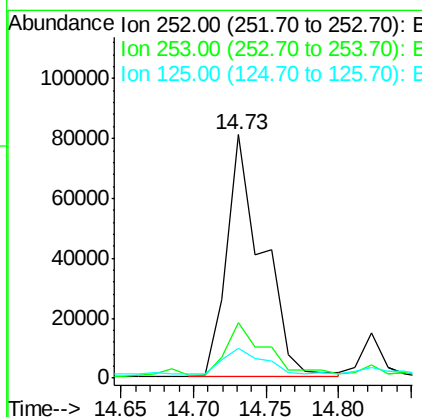
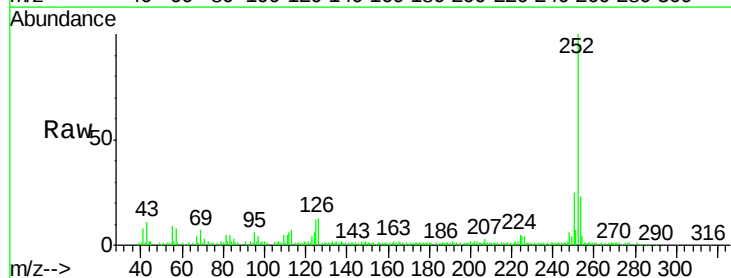
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.4	29.0
265	21.7	17.4	26.2

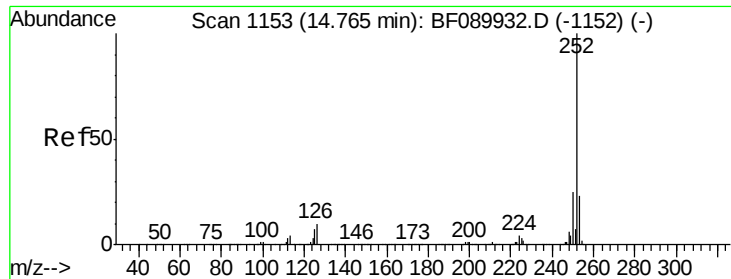


#87
Benzo(b)fluoranthene
Concen: 3.94 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

Tgt Ion:252 Resp: 137615

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.2	5.7	8.5#

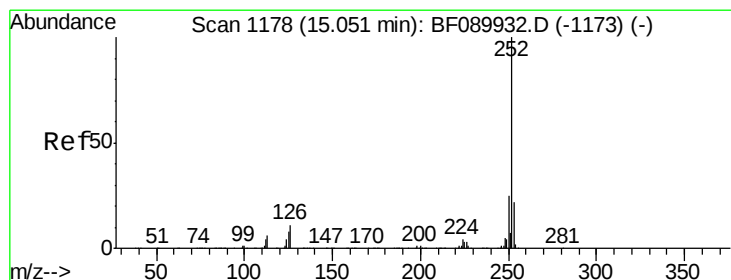
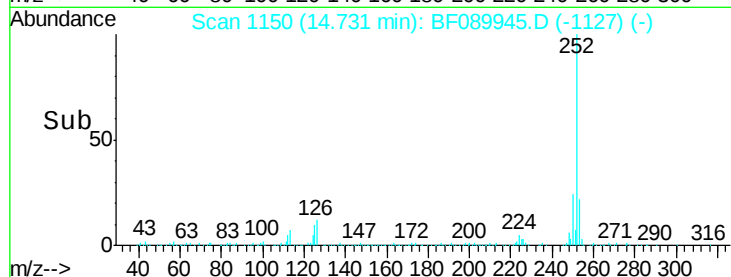
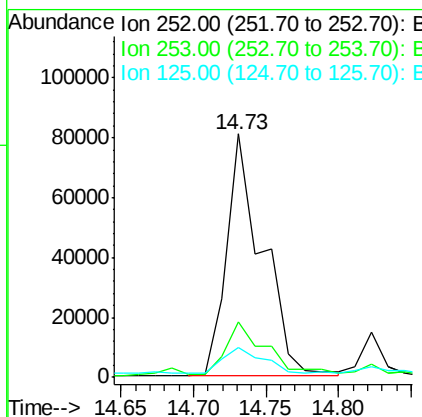
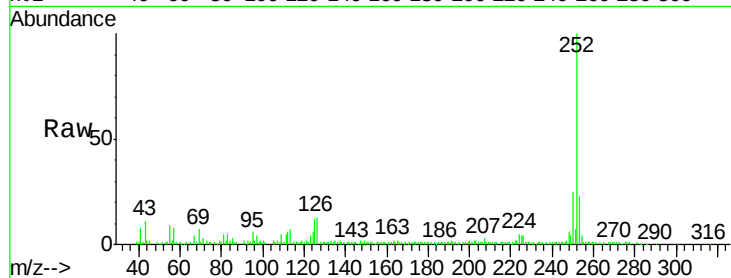




#88
Benzo(k)fluoranthene
Concen: 4.64 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

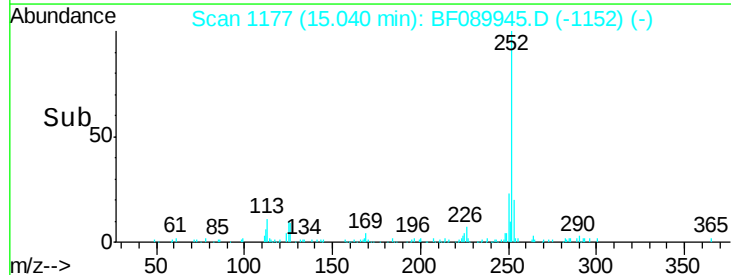
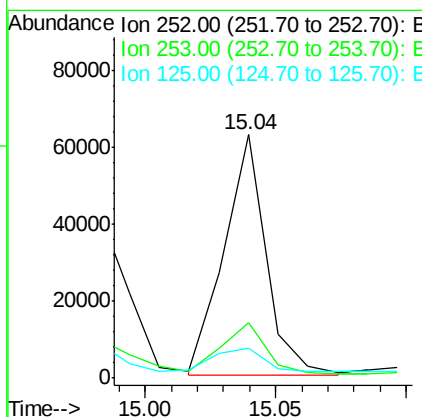
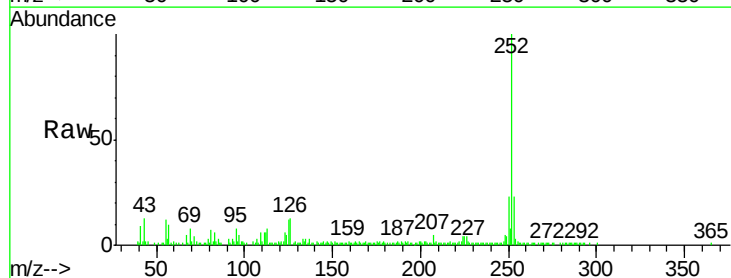
Instrument :
BNA_F
ClientSampled :

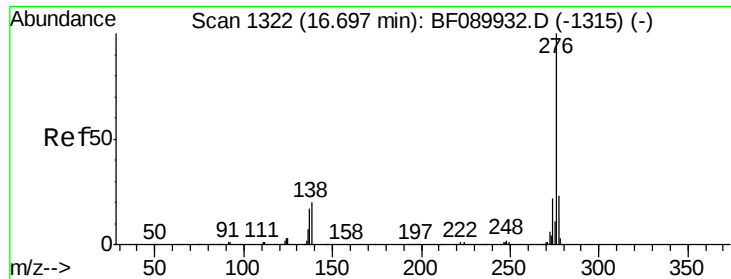
Tot Ion:252 Resp: 137615
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 12.2 7.3 10.9#



#89
Benzo(a)pyrene
Concen: 2.36 ng
RT: 15.04 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF089945.D
Acq: 31 Aug 2016 12:47

Tgt Ion:252 Resp: 70592
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 12.2 6.3 9.5#

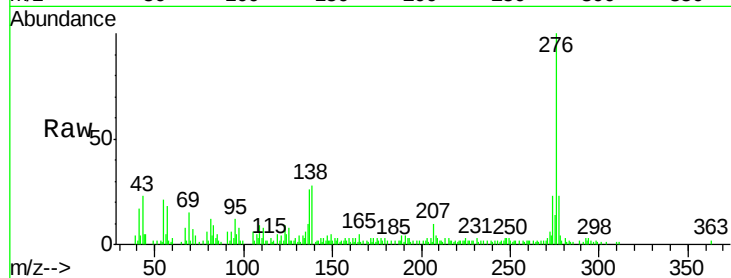




#91
 Benzo(a,h,i)perylene
 Concen: 2.19 ng
 RT: 16.67 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF089945.D
 Acq: 31 Aug 2016 12:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	27.6	16.4	24.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

