

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080416\
 Data File : BF089590.D
 Acq On : 4 Aug 2016 15:46
 Operator : UM/SJ
 Sample : SSTDICC02.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Quant Time: Aug 05 01:23:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 01:22:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	38284	20.00	ng	-0.01
21) Naphthalene-d8	9.47	136	171961	20.00	ng	0.00
38) Acenaphthene-d10	12.28	164	83743	20.00	ng	-0.01
63) Phenanthrene-d10	14.69	188	160096	20.00	ng	-0.01
75) Chrysene-d12	18.38	240	106595	20.00	ng	-0.01
86) Perylene-d12	20.05	264	79333	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	2501	1.20	ng	0.13
7) Phenol-d6	7.03	99	12886	4.19	ng	0.05
23) Nitrobenzene-d5	8.36	82	12616	4.08	ng	0.00
41) 2,4,6-Tribromophenol	13.59	330	2602	3.76	ng	0.00
44) 2-Fluorobiphenyl	11.24	172	31601	4.97	ng	-0.01
78) Terphenyl-d14	17.05	244	26678	4.97	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.76	88	7351	5.61	ng	# 49
11) bis(2-Chloroethyl)ether	7.10	93	7213	2.61	ng	80
12) 1,3-Dichlorobenzene	7.36	146	6794	2.27	ng	92
13) 1,4-Dichlorobenzene	7.47	146	7729	2.56	ng	94
14) 1,2-Dichlorobenzene	7.70	146	7885	2.49	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.94	45	8895	2.58	ng	# 59
17) 2-Methylphenol	7.98	107	4399	2.20	ng	97
18) Hexachloroethane	8.22	117	3527	2.76	ng	# 84
19) n-Nitroso-di-n-propylamine	8.15	70	4422	2.00	ng	# 92
20) 3+4-Methylphenols	8.27	107	5306	2.08	ng	# 66
24) Nitrobenzene	8.41	77	8330	2.68	ng	# 90
25) Isophorone	8.78	82	14658	2.48	ng	98
30) 1,2,4-Trichlorobenzene	9.40	180	5881	2.26	ng	96
31) Naphthalene	9.51	128	22496	2.49	ng	98
34) Hexachlorobutadiene	9.72	225	3675	2.48	ng	98
37) 2-Methylnaphthalene	10.64	142	14499	2.59	ng	94
39) 1,2,4,5-Tetrachlorobenzene	10.91	216	6904	2.22	ng	95
45) 1,1'-Biphenyl	11.40	154	17013	2.27	ng	99
46) 2-Chloronaphthalene	11.42	162	12610	2.26	ng	97
48) Acenaphthylene	12.07	152	22842	2.47	ng	99
49) Dimethylphthalate	11.94	163	15931	2.44	ng	99
51) Acenaphthene	12.34	154	13538	2.53	ng	99
54) Dibenzofuran	12.64	168	17541	2.39	ng	99
55) 4-Nitrophenol	12.64	139	5929	7.38	ng	# 21
57) Fluorene	13.19	166	15103	2.40	ng	95
59) Diethylphthalate	13.09	149	16771	2.49	ng	97
60) 4-Chlorophenyl-phenylether	13.22	204	6315	2.19	ng	95
62) Azobenzene	13.47	77	16016	2.42	ng	92
65) n-Nitrosodiphenylamine	13.43	169	12417	2.31	ng	96
67) Hexachlorobenzene	14.07	284	4267	2.52	ng	# 84
68) Atrazine	14.33	200	3671	2.37	ng	96
70) Phenanthrene	14.73	178	21286	2.46	ng	99
71) Anthracene	14.82	178	23888	2.59	ng	99
72) Carbazole	15.12	167	16415	2.13	ng	98

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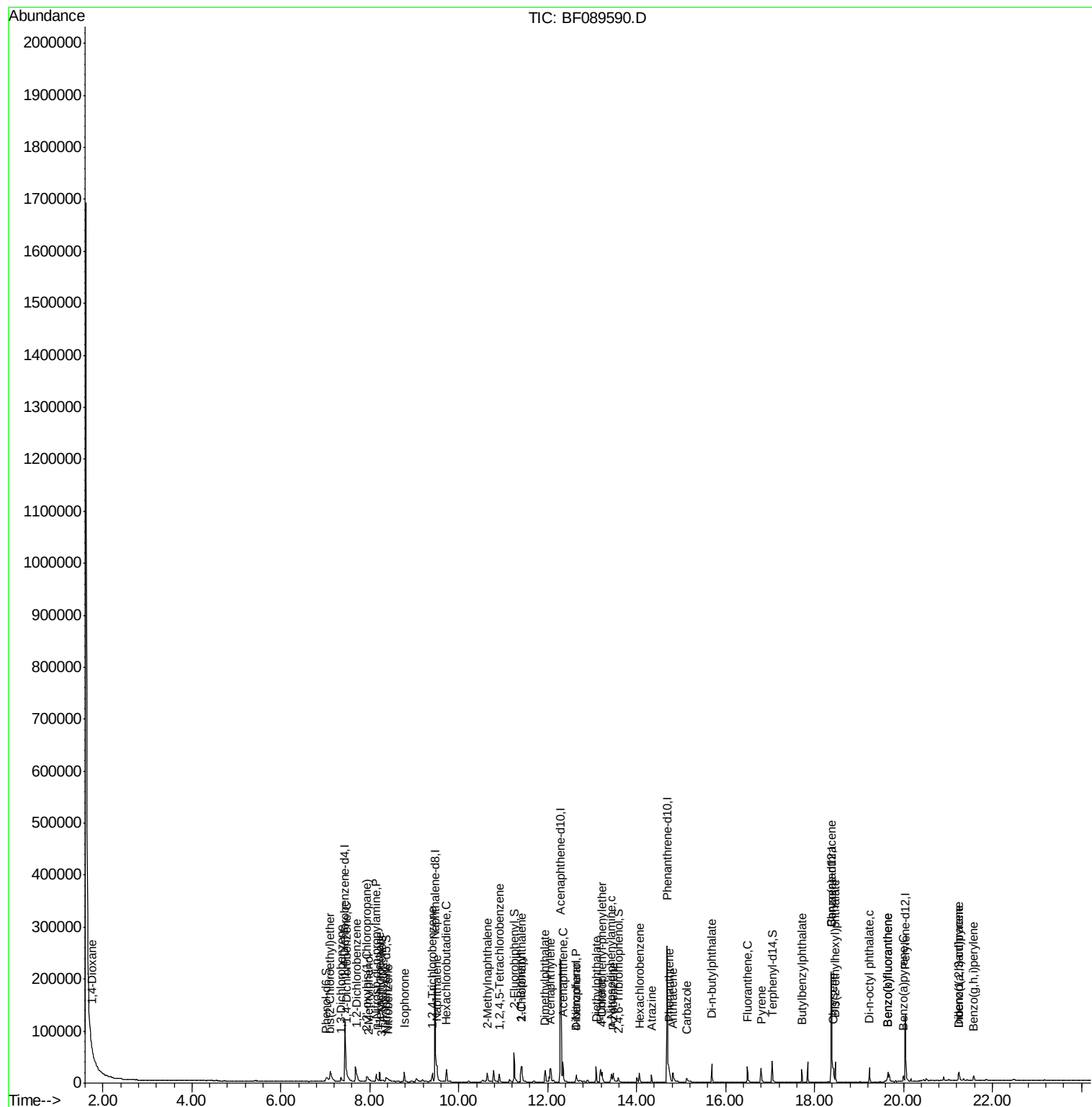
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

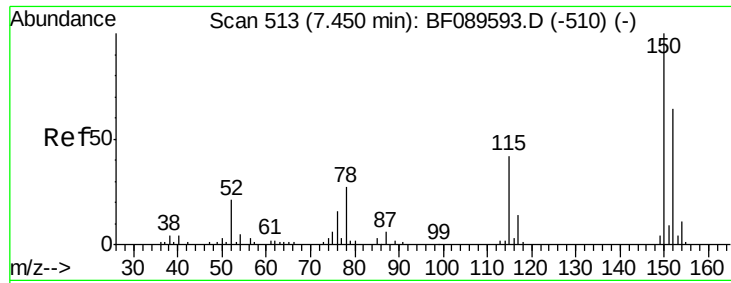
73) Di-n-butylphthalate	15.69	149	25327	2.41	ng	99
74) Fluoranthene	16.49	202	21664	2.44	ng	99
77) Pyrene	16.80	202	23025	2.46	ng	99
79) Butylbenzylphthalate	17.71	149	8334	2.08	ng	# 77
80) Benzo(a)anthracene	18.38	228	15068	2.46	ng	98
82) Chrysene	18.42	228	15564	2.46	ng	99
83) Bis(2-ethylhexyl)phthalate	18.47	149	12454	2.25	ng	# 97
84) Di-n-octyl phthalate	19.23	149	16864	2.11	ng	# 95
85) Indeno(1,2,3-cd)pyrene	21.25	276	11273	2.33	ng	94
87) Benzo(b)fluoranthene	19.65	252	23696	4.28	ng	# 95
88) Benzo(k)fluoranthene	19.65	252	23696	4.71	ng	97
89) Benzo(a)pyrene	20.00	252	10983	2.44	ng	99
90) Dibenzo(a,h)anthracene	21.25	278	9639	2.27	ng	96
91) Benzo(q,h,i)perylene	21.58	276	9945	2.29	ng	95

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

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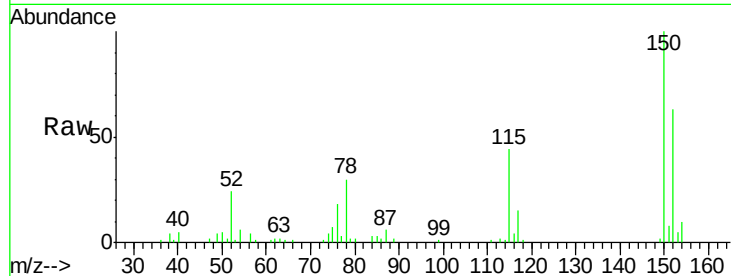


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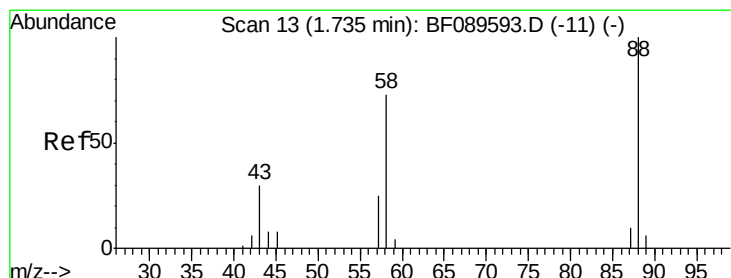
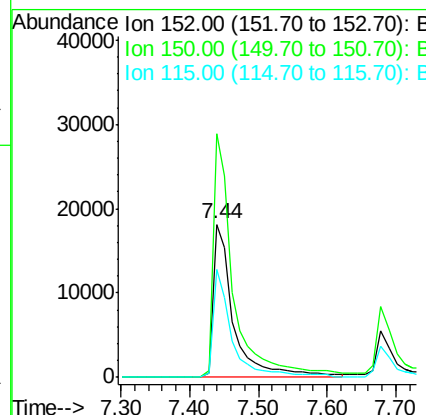
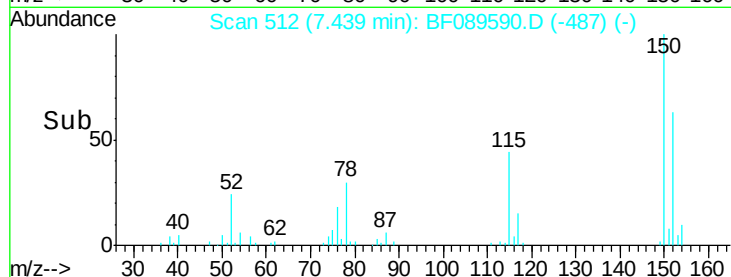
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion:152 Resp: 38284
Ion Ratio Lower Upper
152 100
150 158.9 125.5 188.3
115 70.7 52.0 78.0



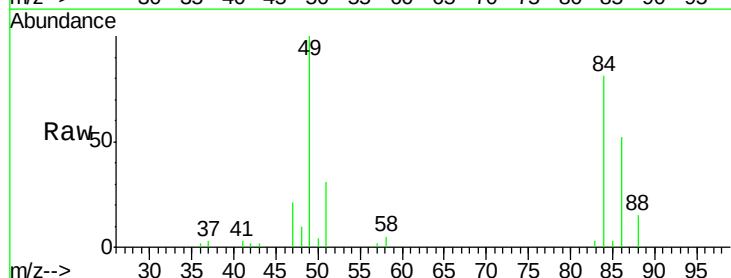
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



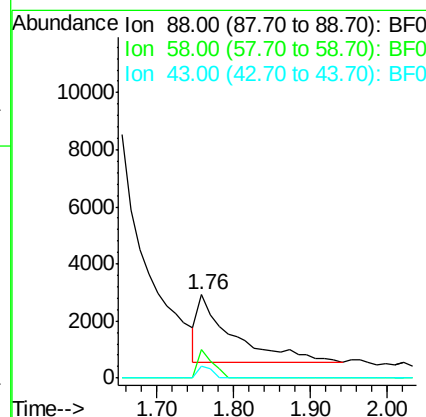
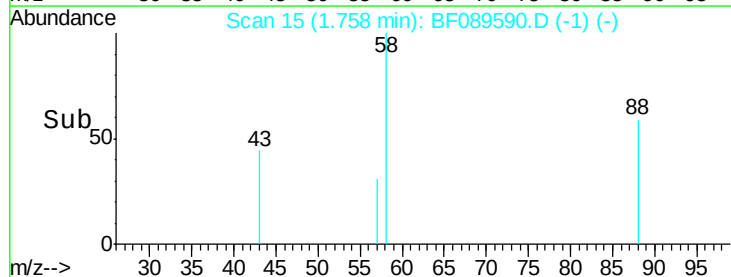
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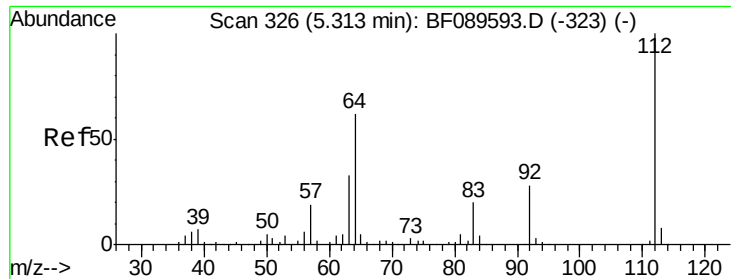
1,4-Dioxane
Concen: 5.61 ng
RT: 1.76 min Scan# 15
Delta R.T. 0.02 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion: 88 Resp: 7351
Ion Ratio Lower Upper
88 100
58 18.1 49.8 74.8#
43 7.0 20.1 30.1#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 1.20 ng

RT: 5.44 min Scan# 337

Delta R.T. 0.13 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC02.5

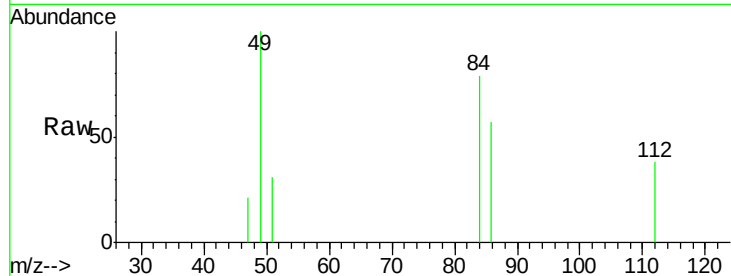
Tot Ion:112 Resp: 2501

Ion Ratio Lower Upper

112 100

64 0.0 49.9 74.9#

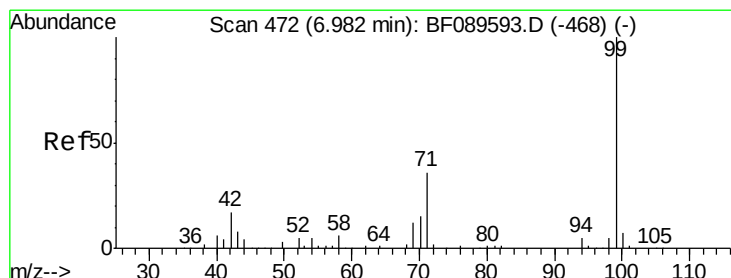
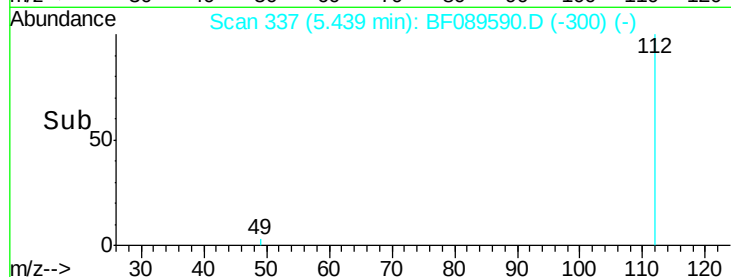
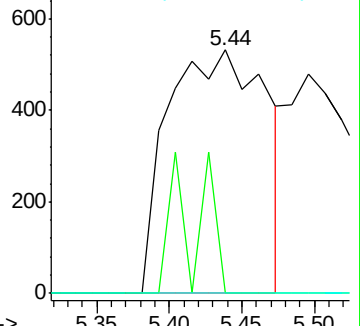
63 0.0 26.1 39.1#



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: 4.19 ng

RT: 7.03 min Scan# 476

Delta R.T. 0.05 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

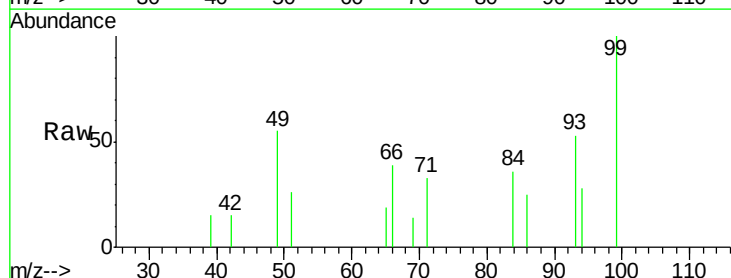
Tgt Ion: 99 Resp: 12886

Ion Ratio Lower Upper

99 100

42 15.1 13.7 20.5

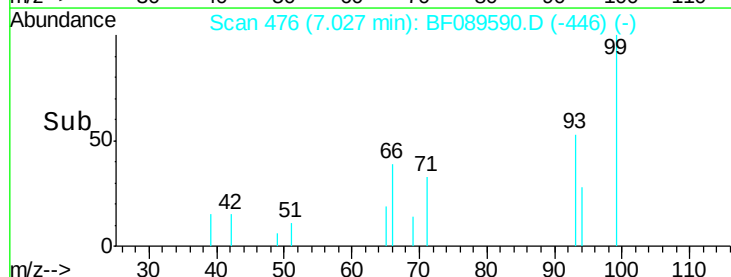
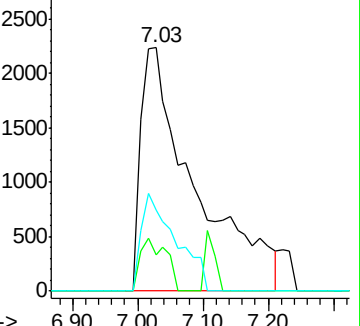
71 33.1 29.0 43.4

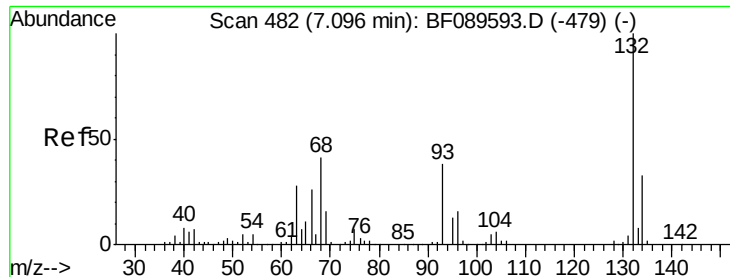


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

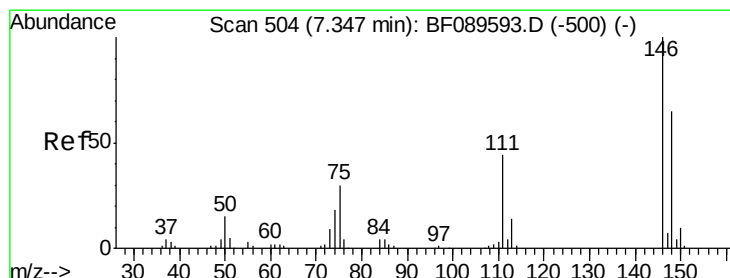
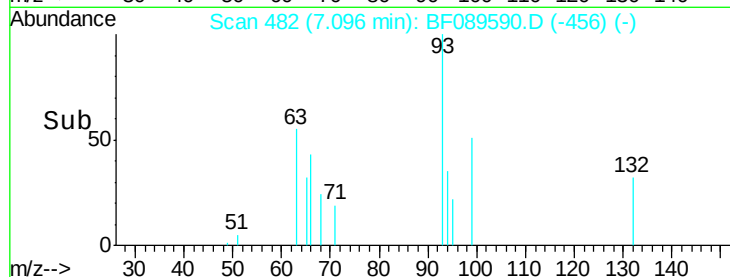
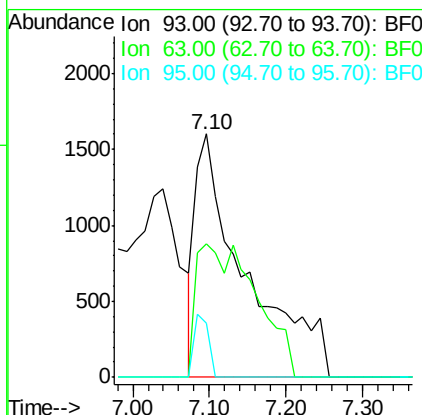
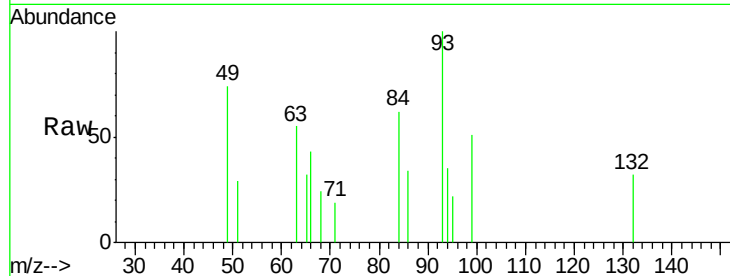




#11
 bis(2-Chloroethyl)ether
 Concen: 2.61 ng
 RT: 7.10 min Scan# 482
 Delta R.T. 0.00 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

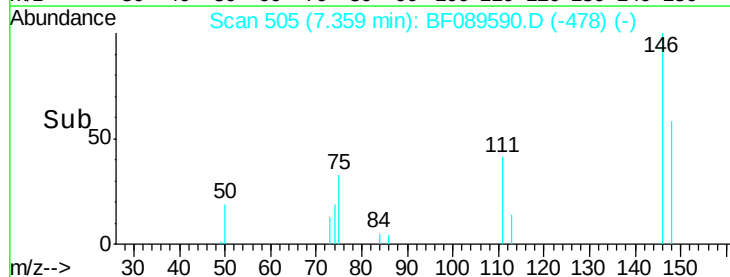
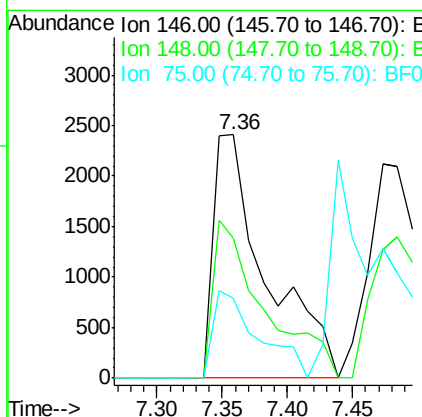
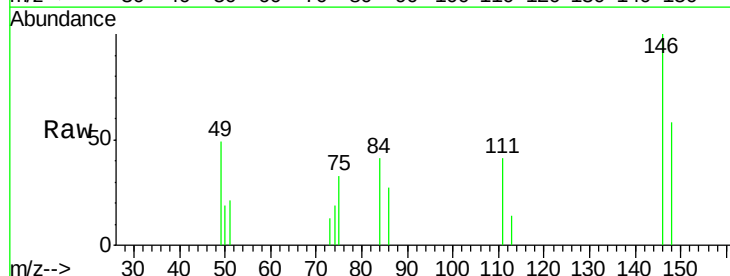
Instrument :
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 SSTDICC02.5

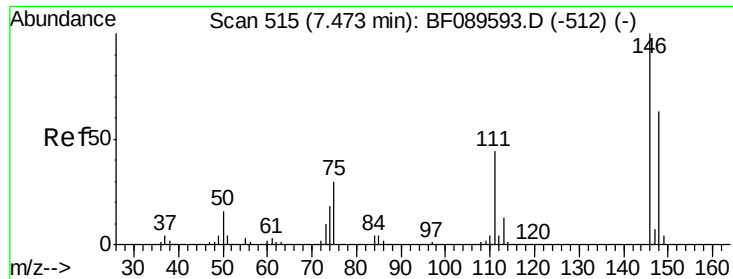
Tot Ion: 93 Resp: 7213
 Ion Ratio Lower Upper
 93 100
 63 54.9 52.2 92.2
 95 22.1 13.1 53.1



#12
 1,3-Dichlorobenzene
 Concen: 2.27 ng
 RT: 7.36 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

Tgt Ion: 146 Resp: 6794
 Ion Ratio Lower Upper
 146 100
 148 57.7 52.1 78.1
 75 32.5 24.1 36.1

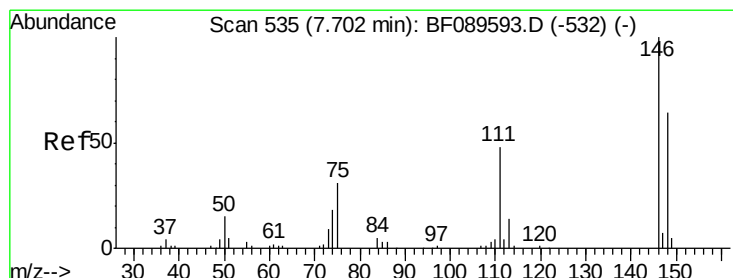
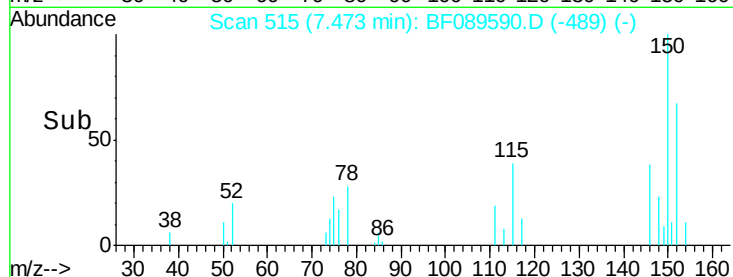
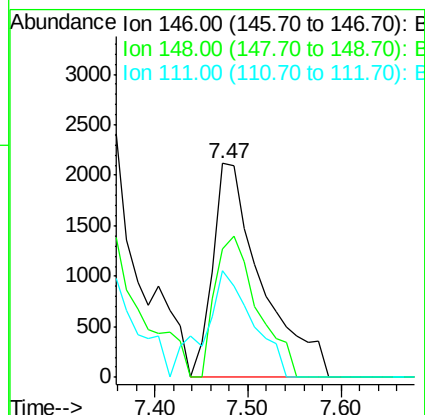
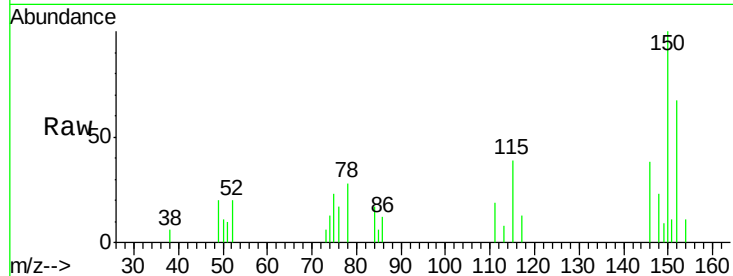




#13
 1,4-Dichlorobenzene
 Concen: 2.56 ng
 RT: 7.47 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

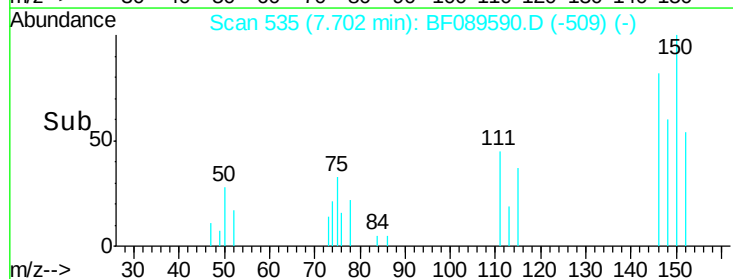
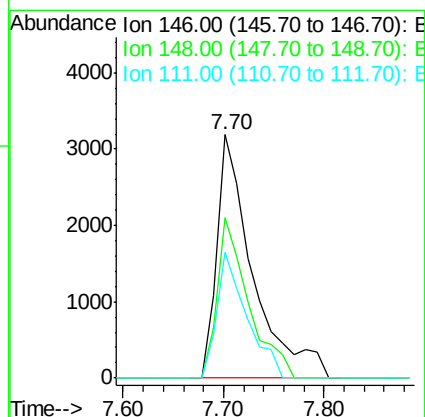
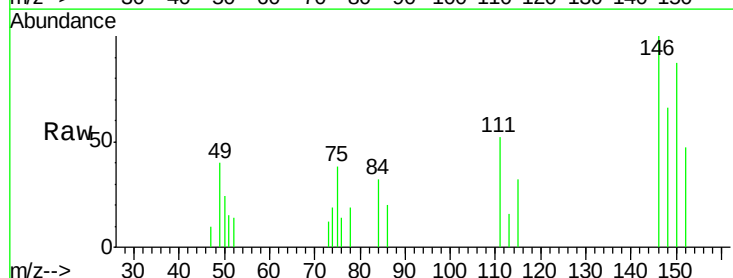
Instrument :
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 ClientSampleId :
 SSTDICC02.5

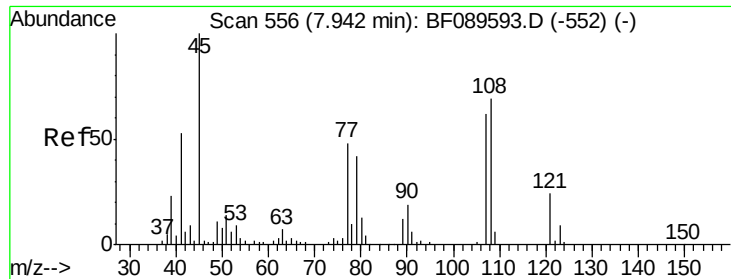
Tot Ion:146 Resp: 7729
 Ion Ratio Lower Upper
 146 100
 148 60.2 50.4 75.6
 111 50.1 35.0 52.4



#14
 1,2-Dichlorobenzene
 Concen: 2.49 ng
 RT: 7.70 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

Tgt Ion:146 Resp: 7885
 Ion Ratio Lower Upper
 146 100
 148 66.1 51.0 76.6
 111 51.8 38.5 57.7

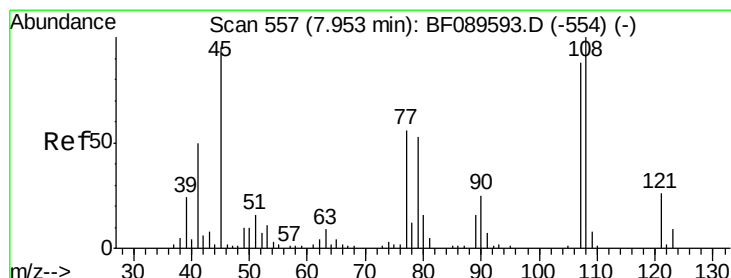
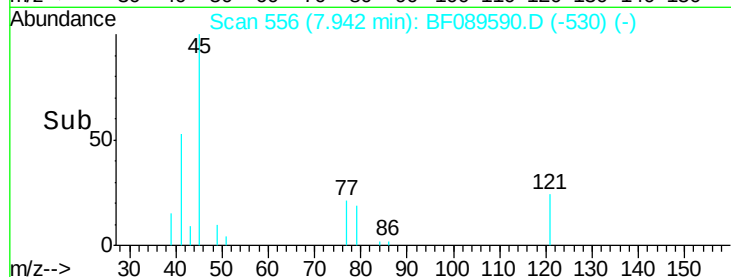
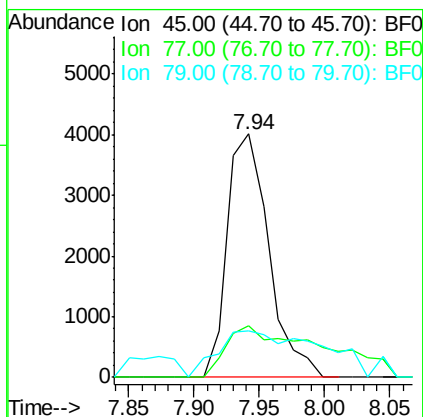
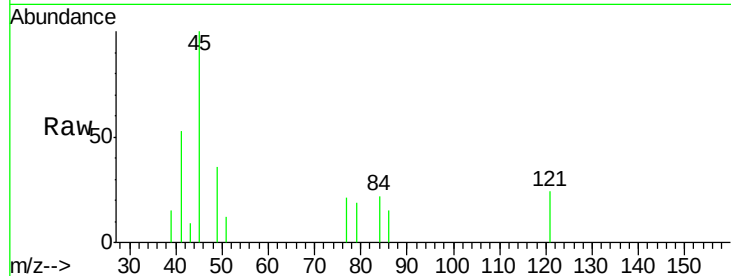




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 2.58 ng
RT: 7.94 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

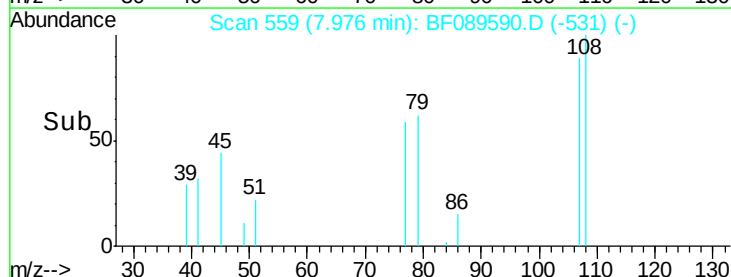
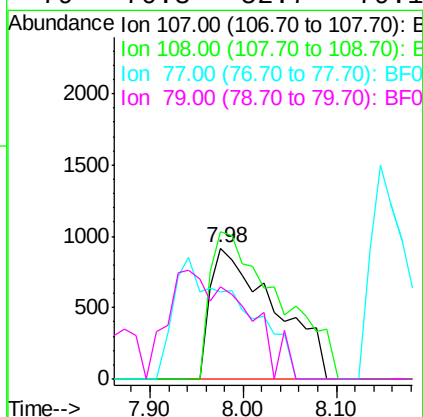
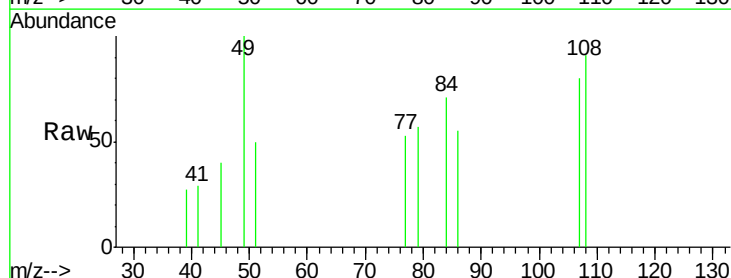
Instrument :
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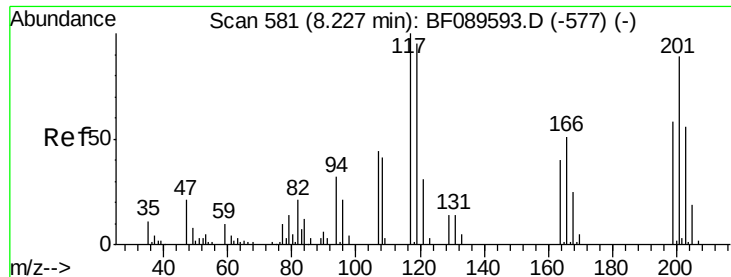
Tot Ion: 45 Resp: 8895
Ion Ratio Lower Upper
45 100
77 21.2 30.1 70.1#
79 19.1 25.5 65.5#



#17
2-Methylphenol
Concen: 2.20 ng
RT: 7.98 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:107 Resp: 4399
Ion Ratio Lower Upper
107 100
108 112.6 91.2 136.8
77 66.3 54.6 82.0
79 70.3 52.7 79.1

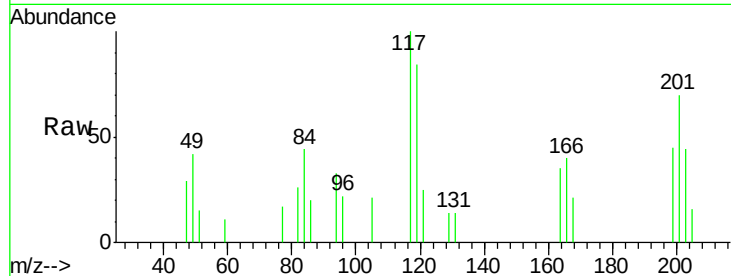




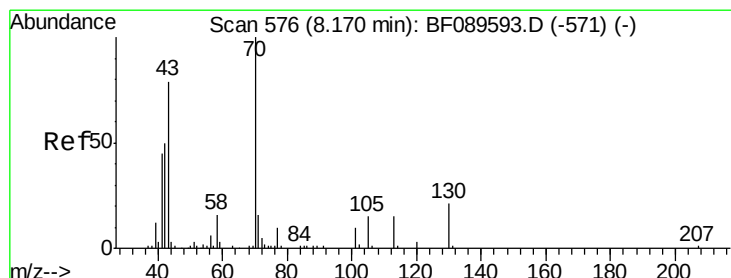
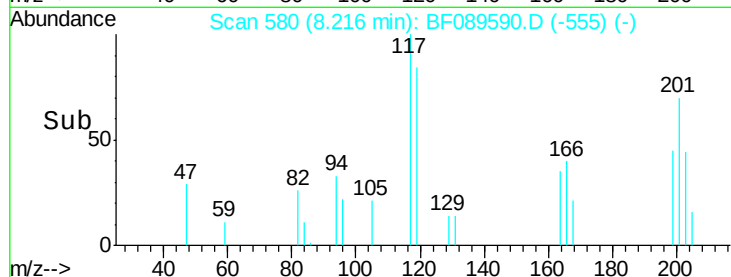
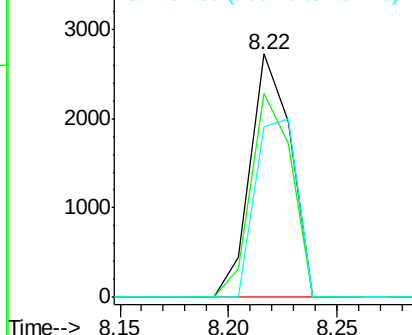
#18
Hexachloroethane
Concen: 2.76 ng
RT: 8.22 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion: 117 Resp: 3527
Ion Ratio Lower Upper
117 100
119 83.5 75.7 113.5
201 70.1 71.6 107.4#

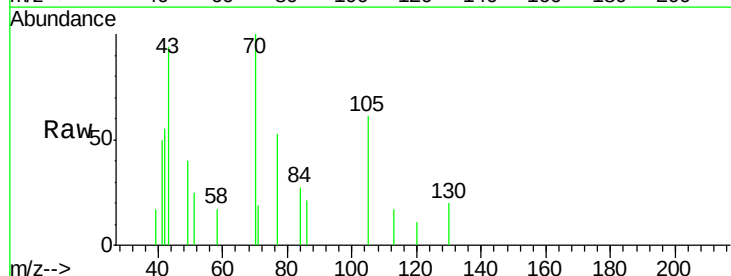


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

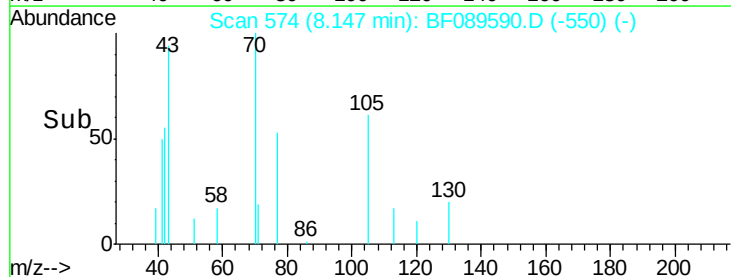
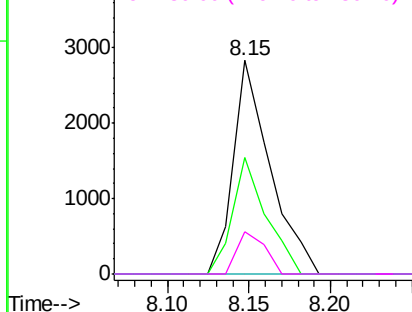


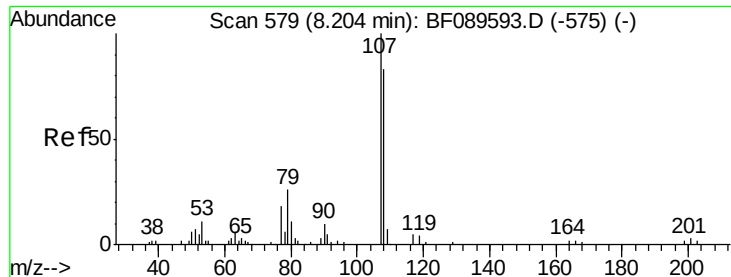
#19
n-Nitroso-di-n-propylamine
Concen: 2.00 ng
RT: 8.15 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion: 70 Resp: 4422
Ion Ratio Lower Upper
70 100
42 54.6 40.2 60.2
101 0.0 7.8 11.6#
130 19.7 16.4 24.6



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

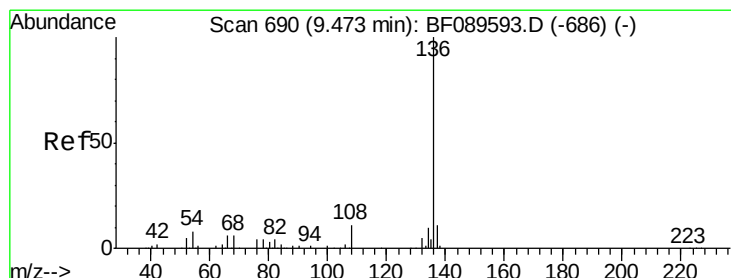
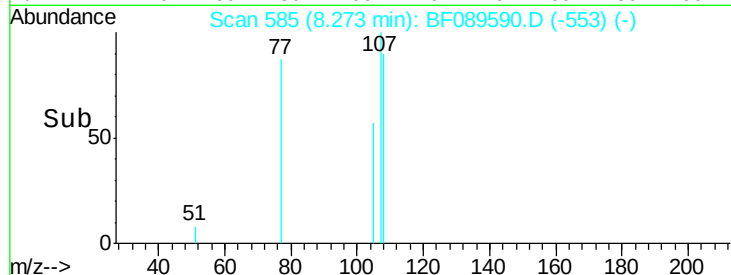
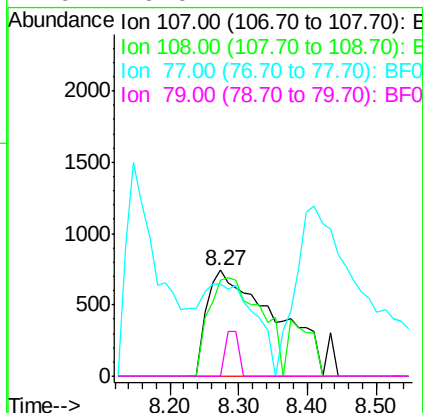
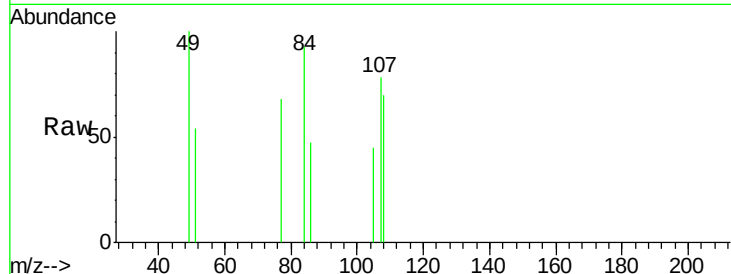




#20
3+4-Methylphenols
Concen: 2.08 ng
RT: 8.27 min Scan# 585
Delta R.T. 0.07 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

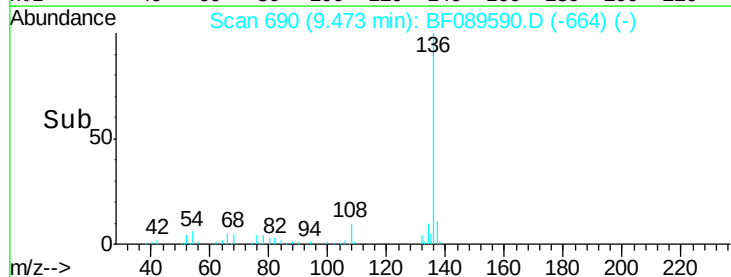
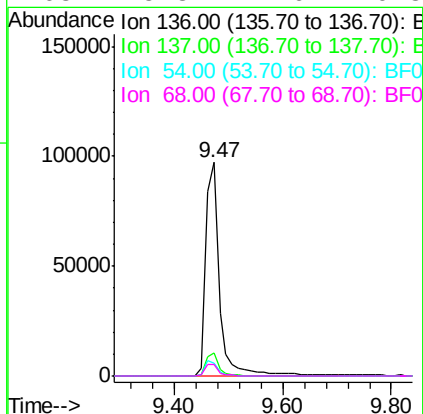
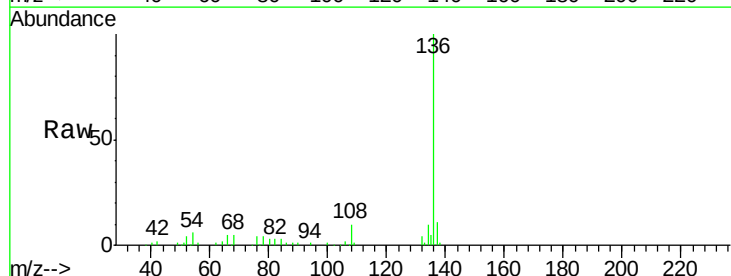
Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

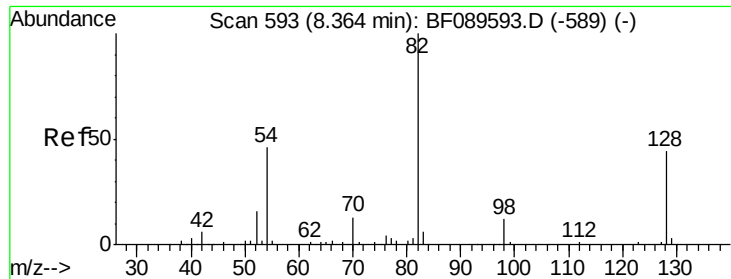
Tot Ion:107	Resp:	5306
Ion Ratio	Lower	Upper
107	100	
108	90.4	63.8 103.8
77	86.9	19.5 59.5#
79	0.0	7.1 47.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.47 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:136	Resp:	171961
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.6 12.8
54	6.2	6.0 9.0
68	5.3	4.6 6.8

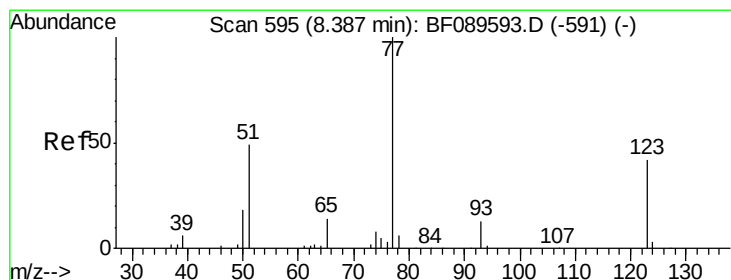
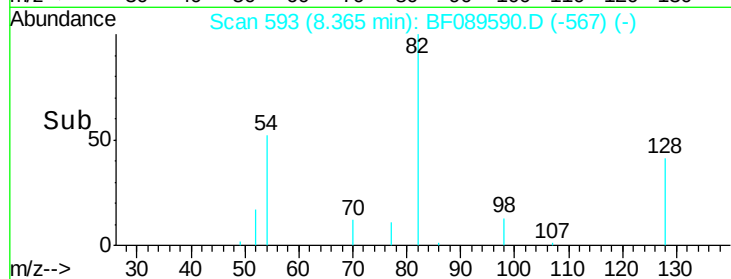
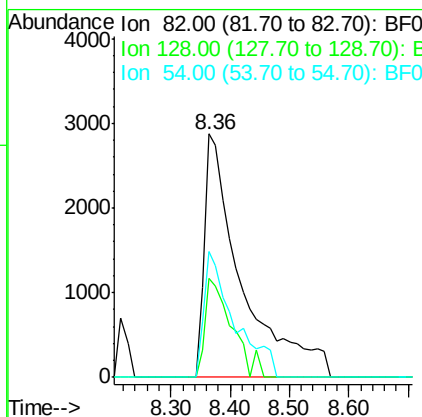
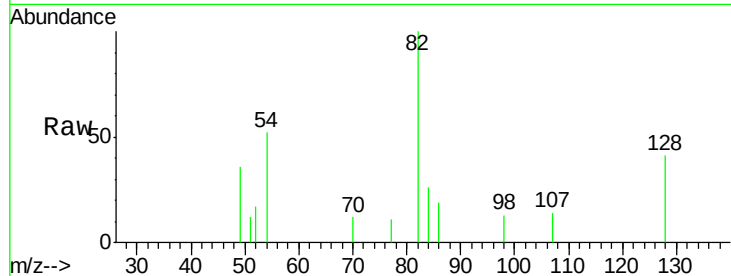




#23
 Nitrobenzene-d5
 Concen: 4.08 ng
 RT: 8.36 min Scan# 593
 Delta R.T. 0.00 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

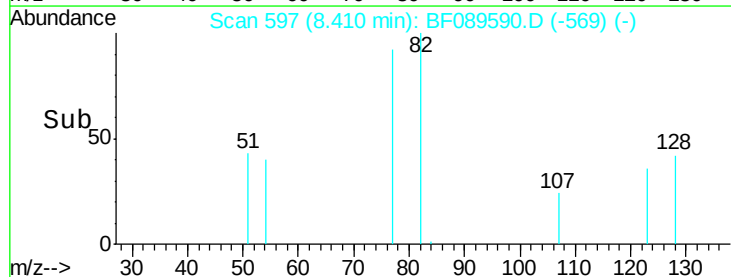
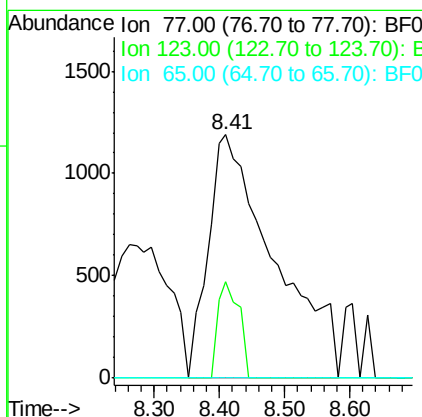
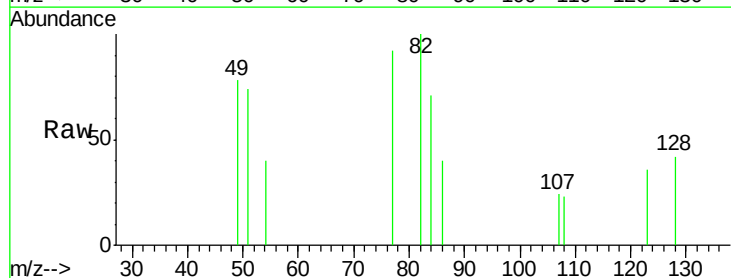
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

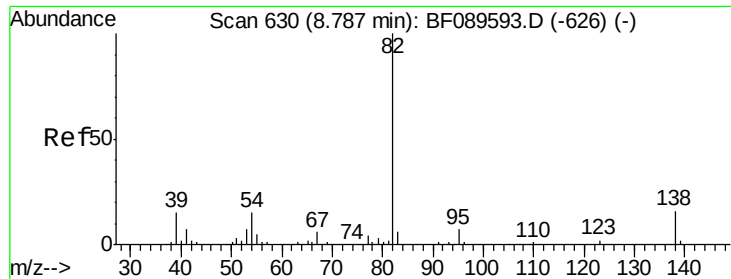
Tot Ion	82	Resp	12616
Ion Ratio	Lower	Upper	
82	100		
128	40.6	35.4	53.0
54	51.7	36.4	54.6



#24
 Nitrobenzene
 Concen: 2.68 ng
 RT: 8.41 min Scan# 597
 Delta R.T. 0.02 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

Tgt Ion	77	Resp	8330
Ion Ratio	Lower	Upper	
77	100		
123	39.3	32.6	49.0
65	0.0	11.0	16.6#





#25

Isophorone

Concen: 2.48 ng

RT: 8.78 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC02.5

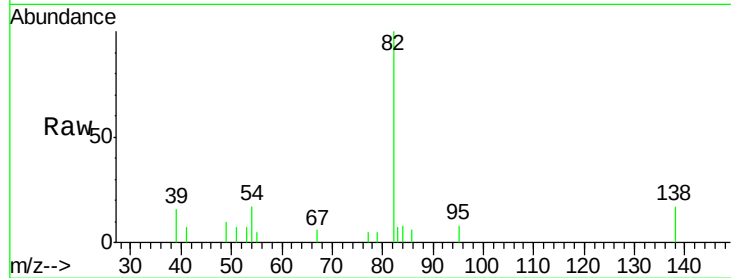
Tot Ion: 82 Resp: 14658

Ion Ratio Lower Upper

82 100

95 8.1 5.8 8.8

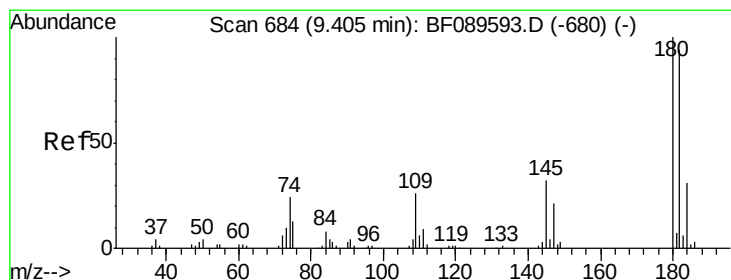
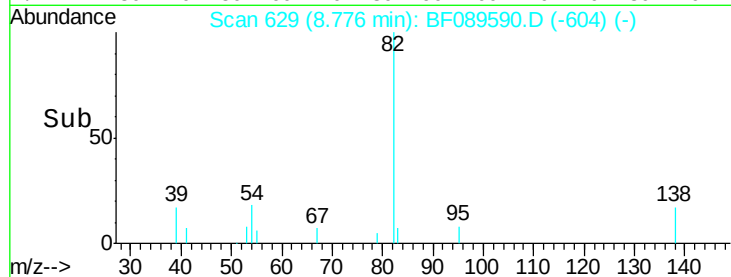
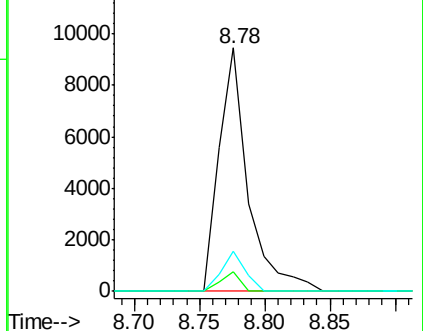
138 16.6 12.6 18.8



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): E



#30

1,2,4-Trichlorobenzene

Concen: 2.26 ng

RT: 9.40 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

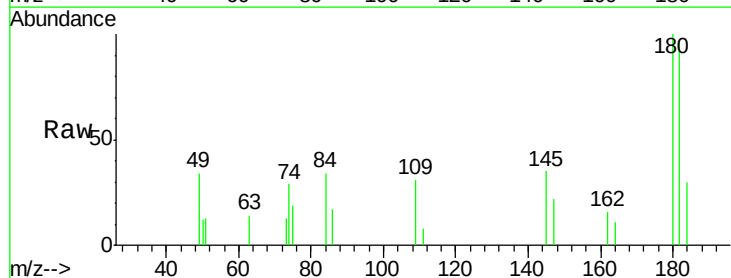
Tgt Ion: 180 Resp: 5881

Ion Ratio Lower Upper

180 100

182 97.0 75.0 112.6

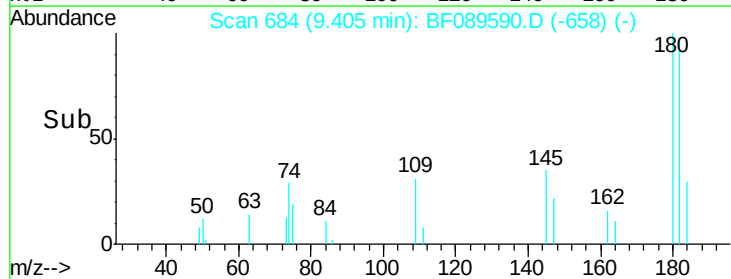
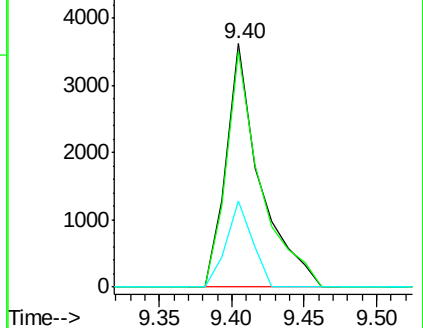
145 35.2 25.6 38.4

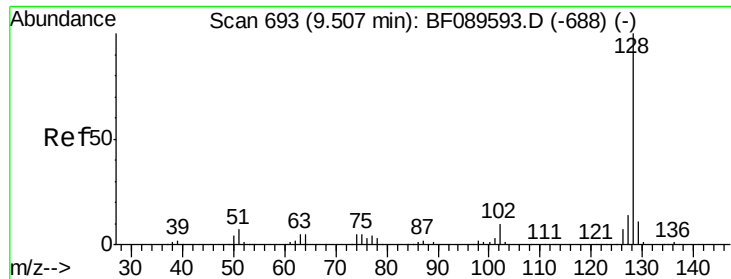


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

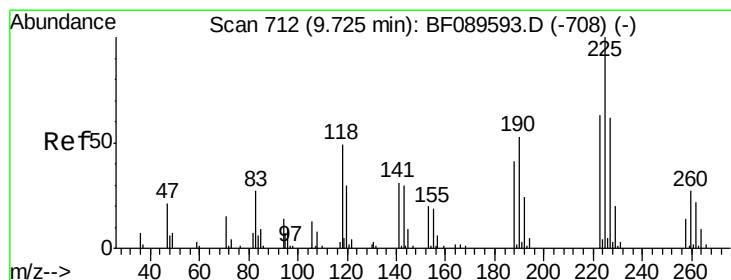
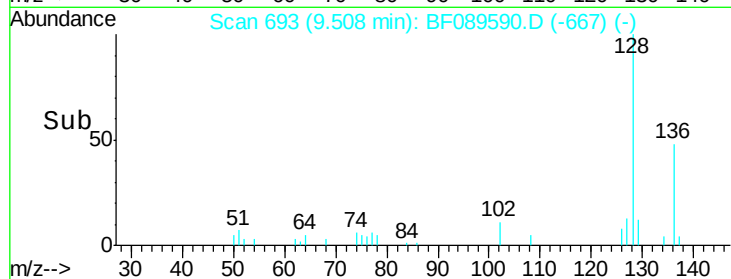
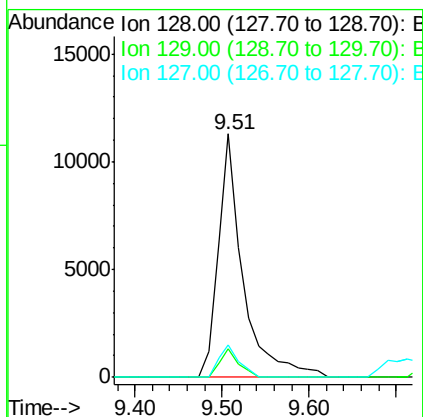
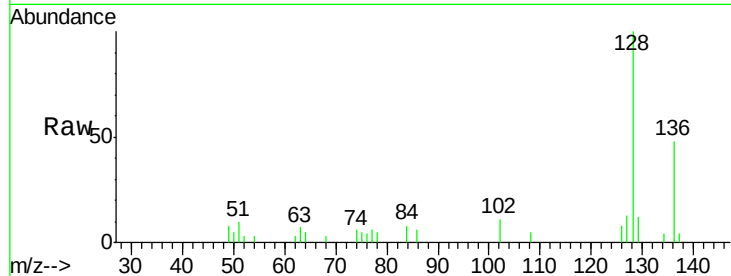




#31
Naphthalene
Concen: 2.49 ng
RT: 9.51 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

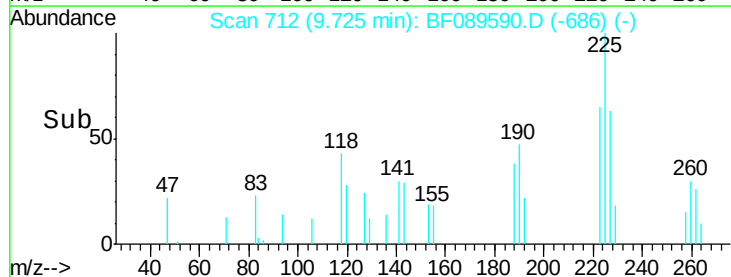
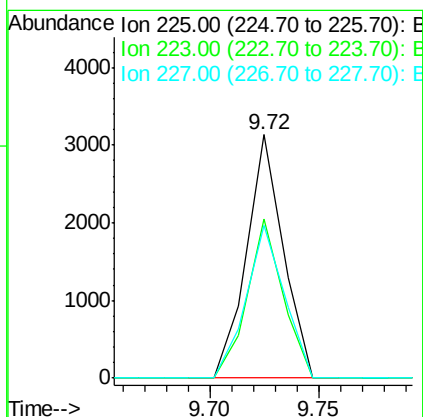
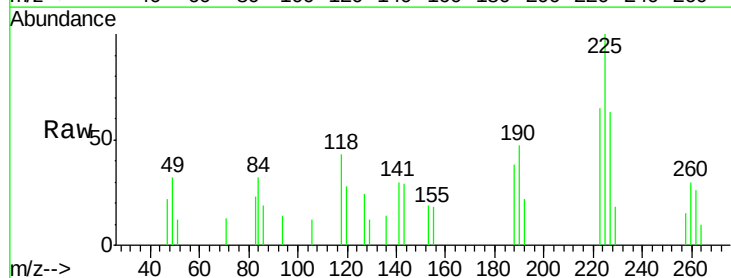
Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

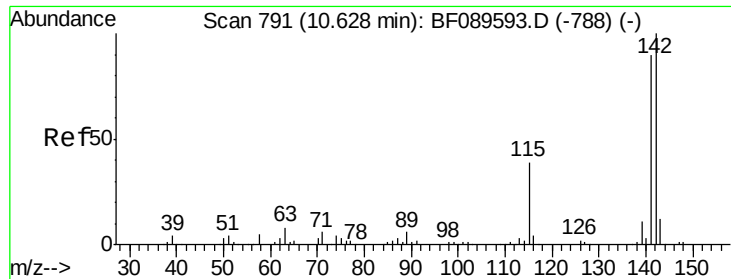
Tot Ion:128 Resp: 22496
Ion Ratio Lower Upper
128 100
129 11.8 8.7 13.1
127 13.1 10.9 16.3



#34
Hexachlorobutadiene
Concen: 2.48 ng
RT: 9.72 min Scan# 712
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:225 Resp: 3675
Ion Ratio Lower Upper
225 100
223 65.2 50.7 76.1
227 62.5 49.4 74.0

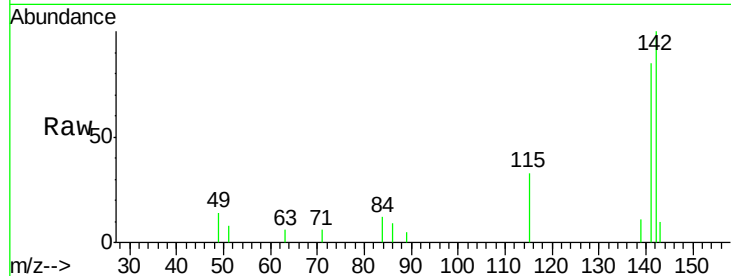




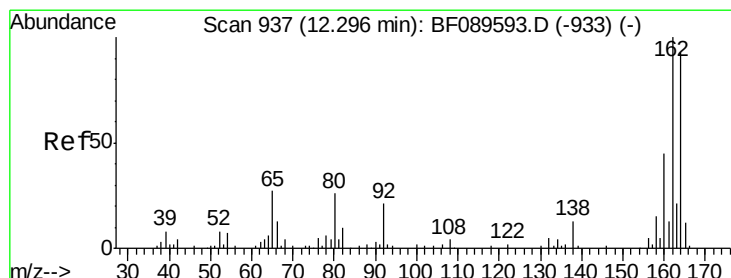
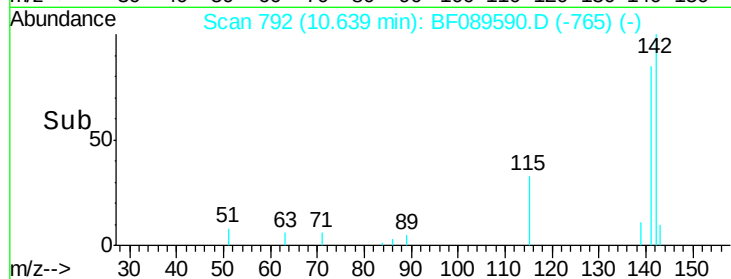
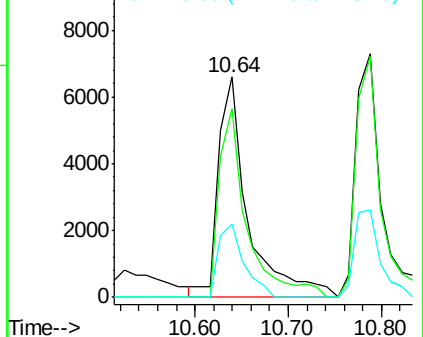
#37
2-Methylnaphthalene
Concen: 2.59 ng
RT: 10.64 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC02.5

Tot Ion:142 Resp: 14499
Ion Ratio Lower Upper
142 100
141 85.4 71.8 107.6
115 33.2 31.0 46.4

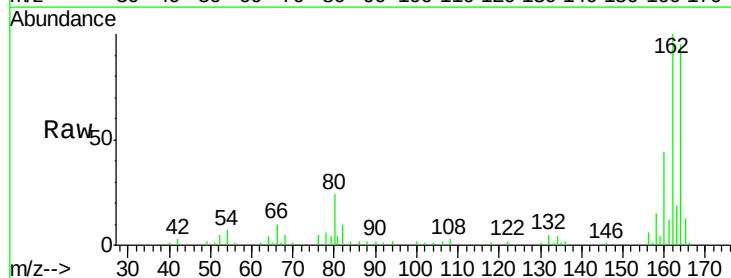


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

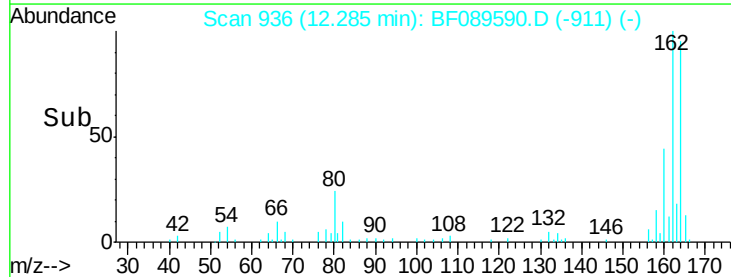
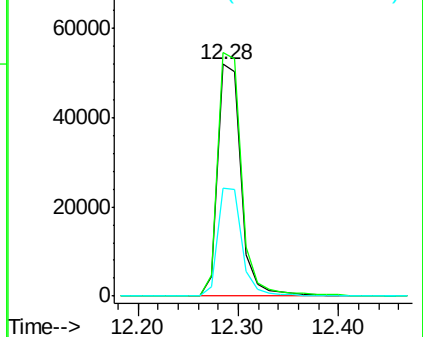


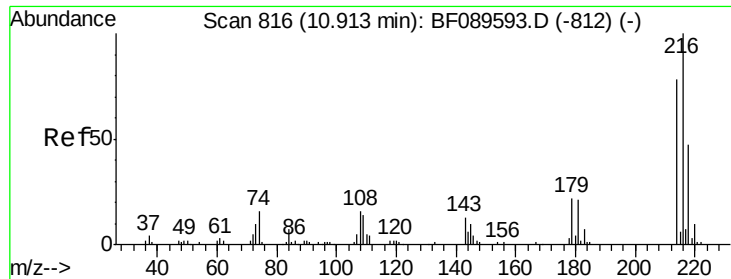
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.28 min Scan# 936
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:164 Resp: 83743
Ion Ratio Lower Upper
164 100
162 105.1 85.7 128.5
160 46.6 38.2 57.4



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

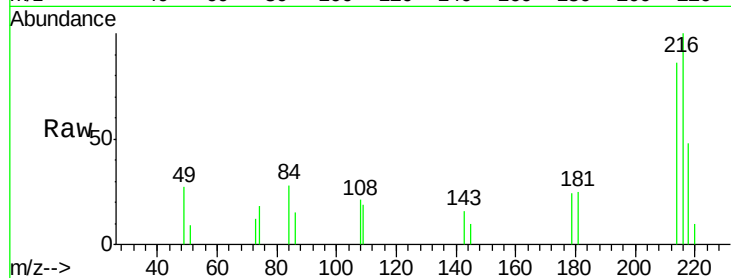




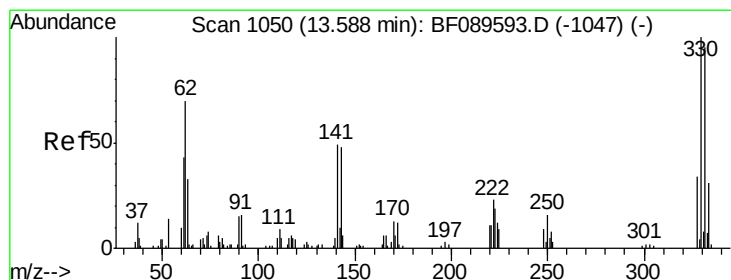
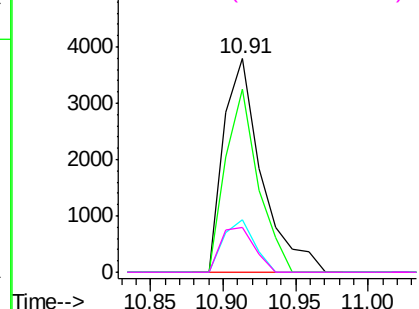
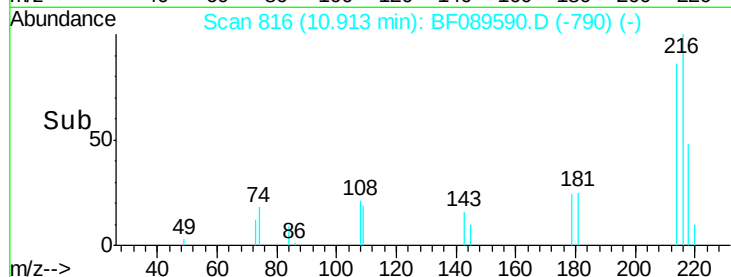
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.22 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion:216 Resp: 6904
 Ion Ratio Lower Upper
 216 100
 214 73.3 62.6 94.0
 179 19.8 17.8 26.8
 108 18.5 16.3 24.5

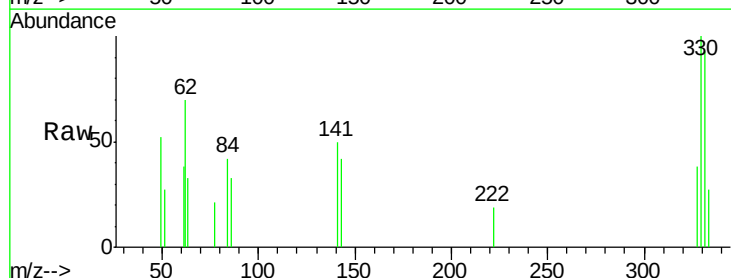


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

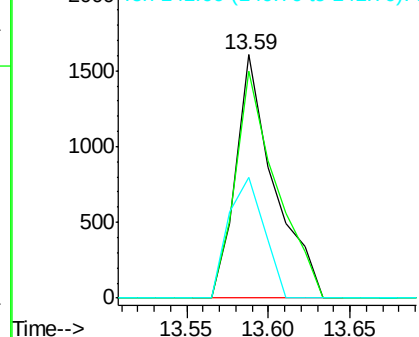
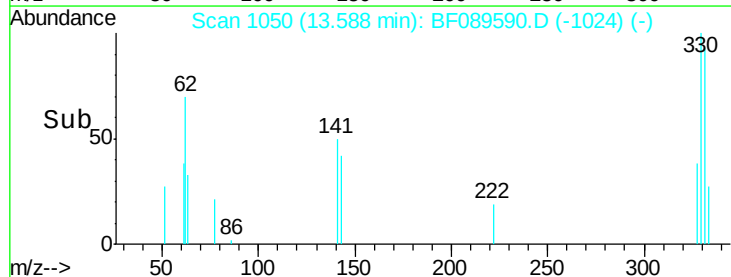


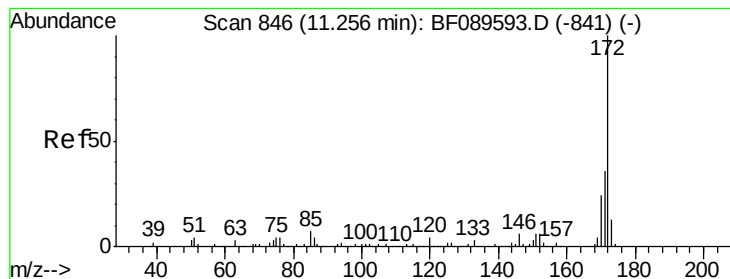
#41
 2,4,6-Tribromophenol
 Concen: 3.76 ng
 RT: 13.59 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

Tgt Ion:330 Resp: 2602
 Ion Ratio Lower Upper
 330 100
 332 99.7 77.0 115.6
 141 46.0 38.6 57.8



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

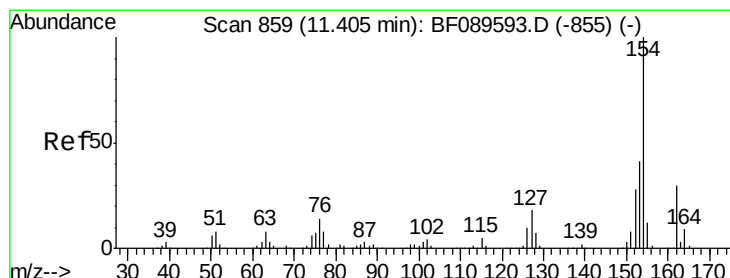
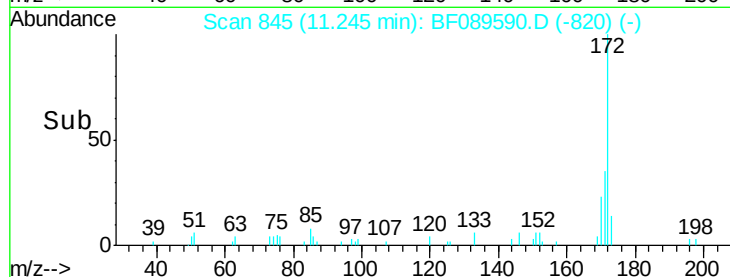
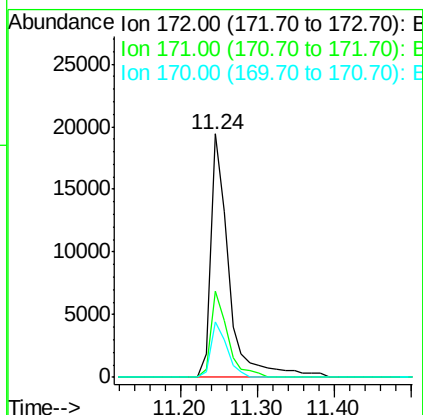
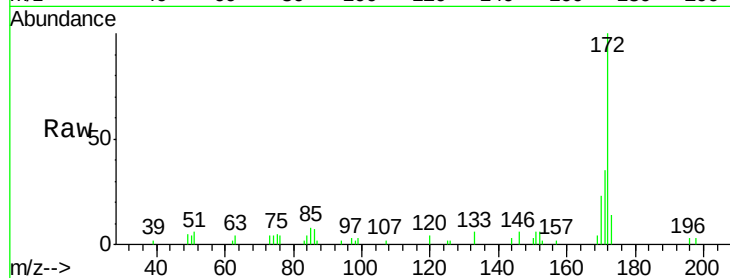




#44
2-Fluorobiphenyl
Concen: 4.97 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

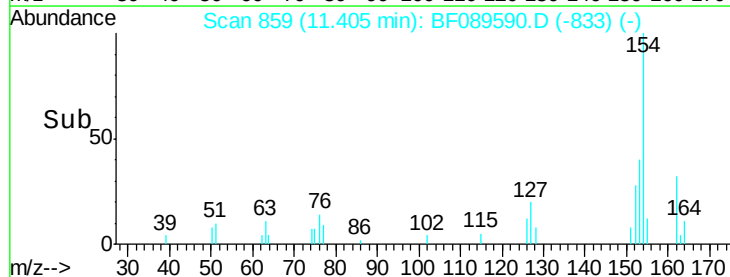
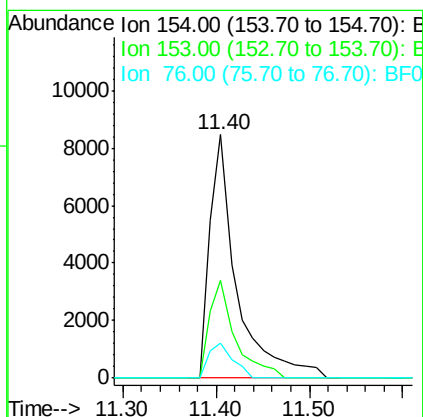
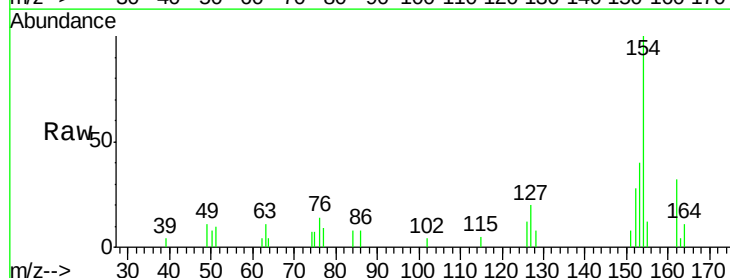
Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

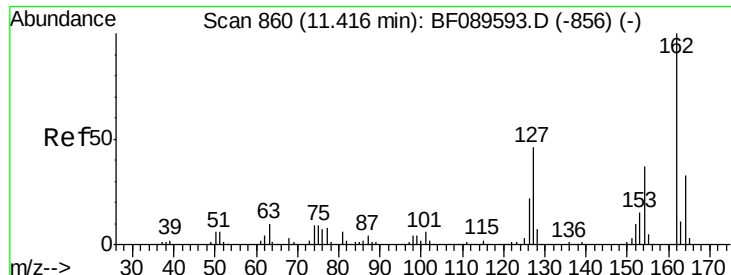
Tot Ion:172 Resp: 31601
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 22.7 19.0 28.6



#45
1,1'-Biphenyl
Concen: 2.27 ng
RT: 11.40 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:154 Resp: 17013
Ion Ratio Lower Upper
154 100
153 39.9 20.6 60.6
76 14.1 0.0 33.7

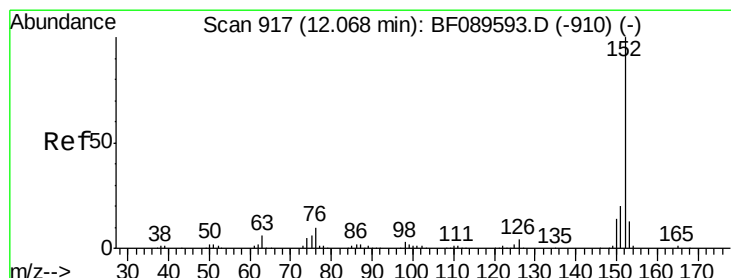
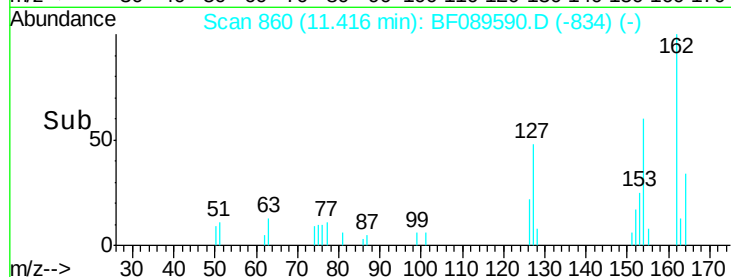
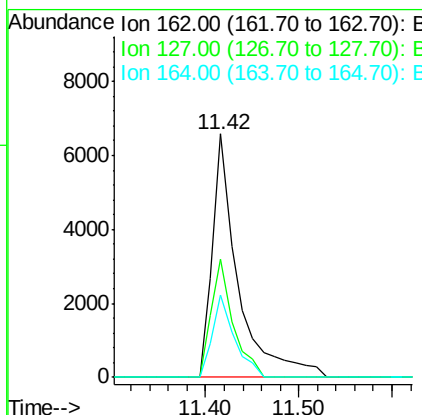
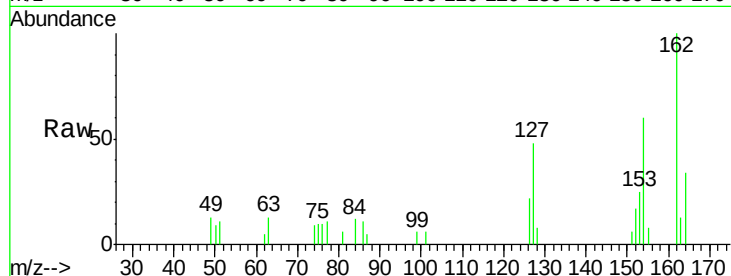




#46
2-Chloronaphthalene
Concen: 2.26 ng
RT: 11.42 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

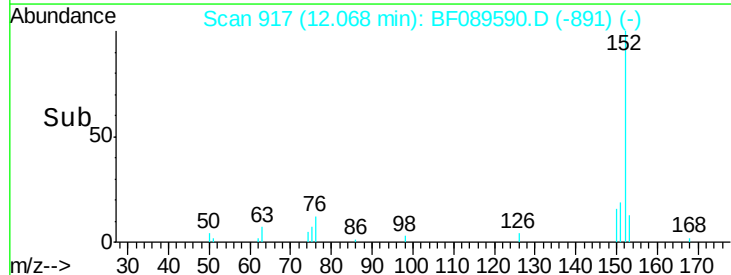
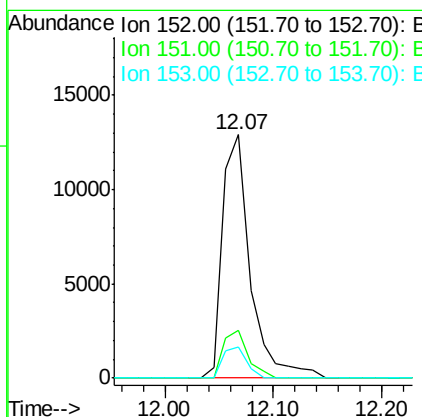
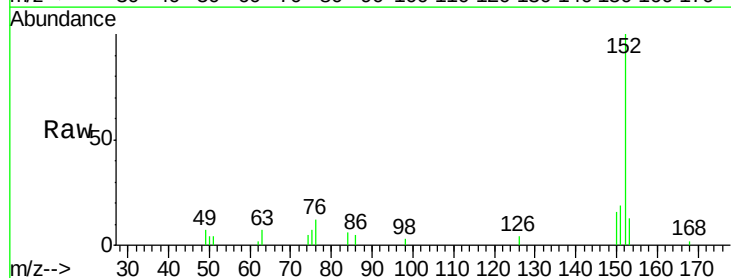
Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

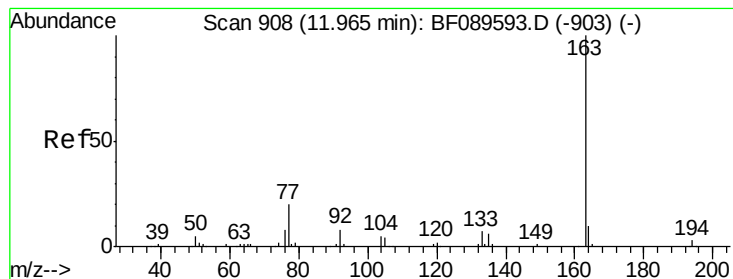
Tot Ion:162 Resp: 12610
Ion Ratio Lower Upper
162 100
127 48.3 36.6 54.8
164 33.8 26.8 40.2



#48
Acenaphthylene
Concen: 2.47 ng
RT: 12.07 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:152 Resp: 22842
Ion Ratio Lower Upper
152 100
151 19.4 16.2 24.4
153 13.0 10.5 15.7





#49

Dimethylphthalate

Concen: 2.44 ng

RT: 11.94 min Scan# 906

Delta R.T. -0.02 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDIC02.5

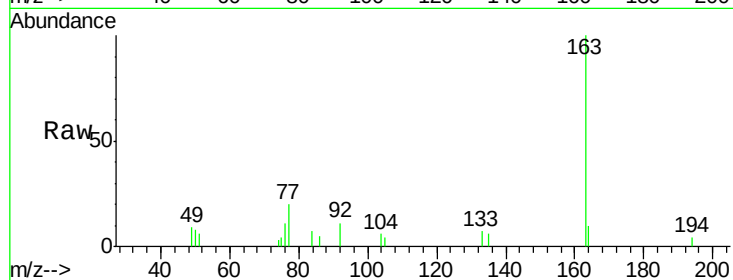
Tot Ion:163 Resp: 15931

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

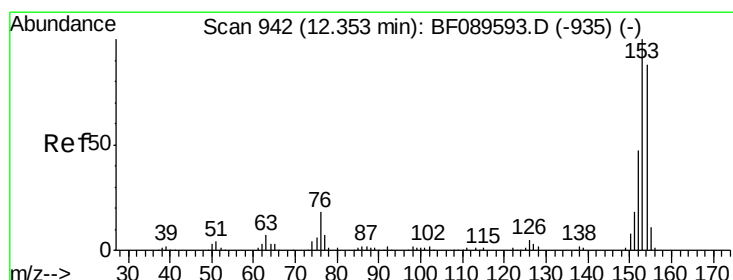
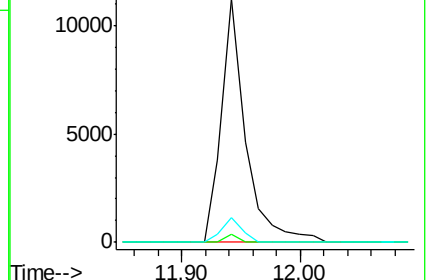
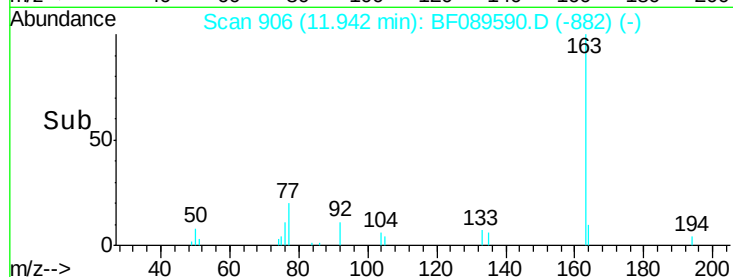
164 10.4 7.8 11.6



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



#51

Acenaphthene

Concen: 2.53 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

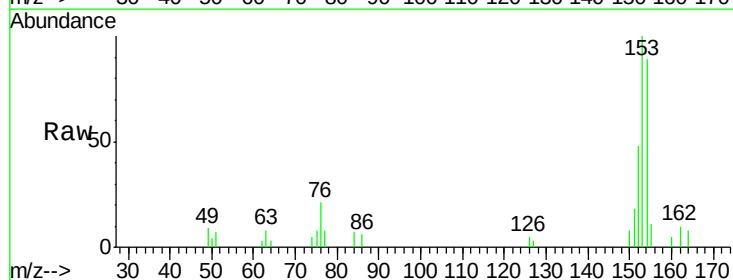
Tgt Ion:154 Resp: 13538

Ion Ratio Lower Upper

154 100

153 111.9 91.1 136.7

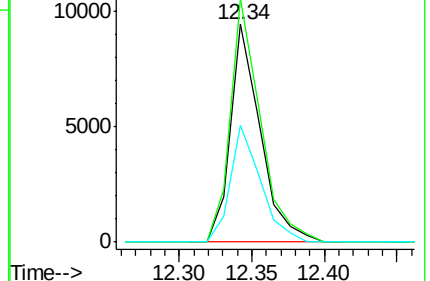
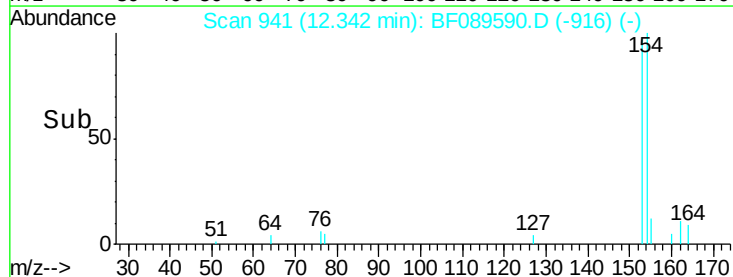
152 53.9 43.5 65.3

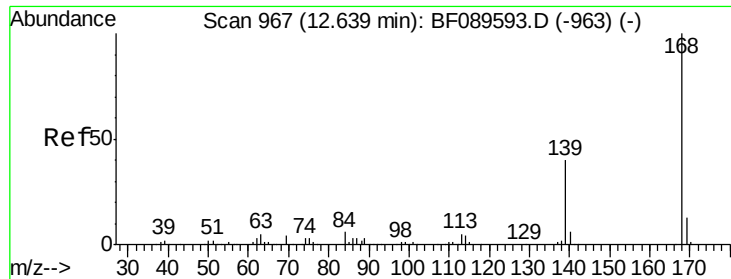


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

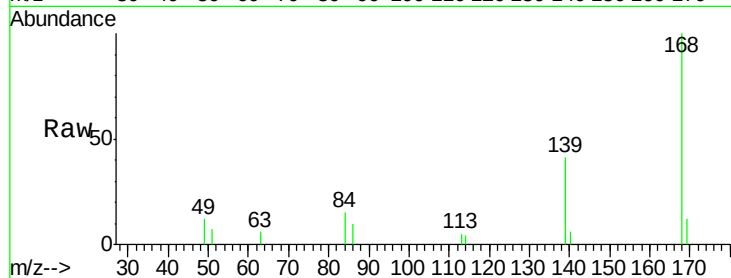




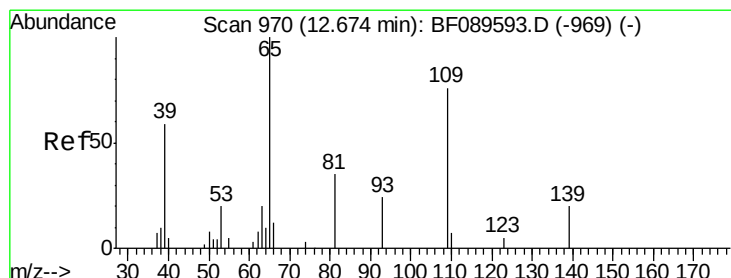
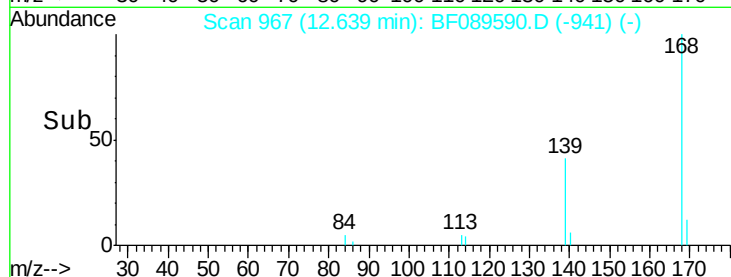
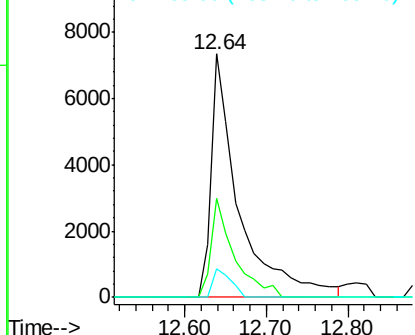
#54
Dibenzenofuran
Concen: 2.39 ng
RT: 12.64 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion:168 Resp: 17541
Ion Ratio Lower Upper
168 100
139 40.8 32.3 48.5
169 11.9 10.6 15.8

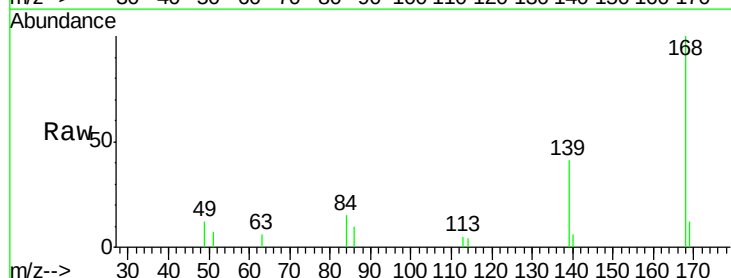


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

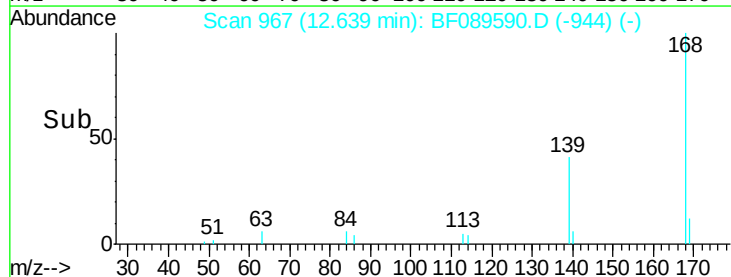
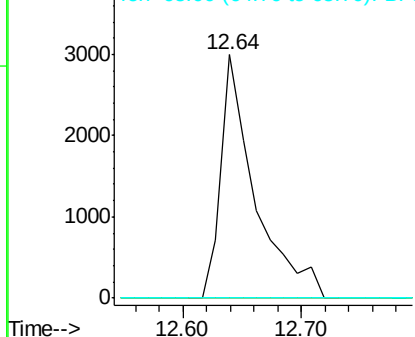


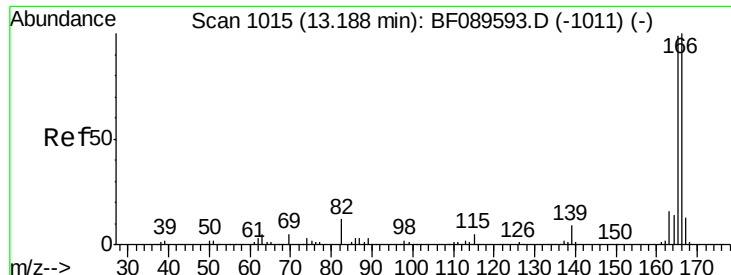
#55
4-Nitrophenol
Concen: 7.38 ng
RT: 12.64 min Scan# 967
Delta R.T. -0.03 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:139 Resp: 5929
Ion Ratio Lower Upper
139 100
109 0.0 28.9 68.9#
65 0.0 49.2 89.2#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

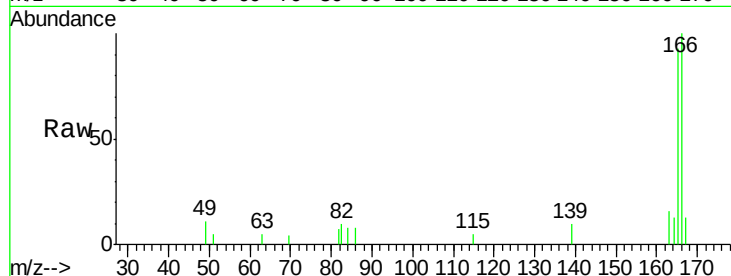




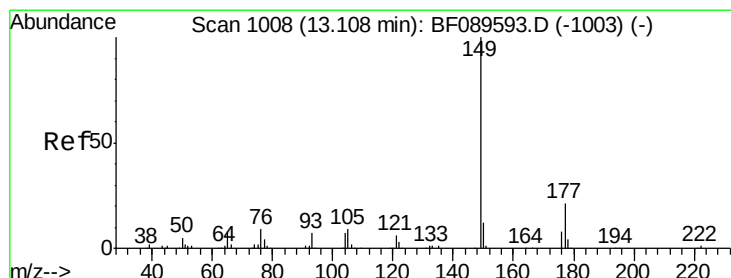
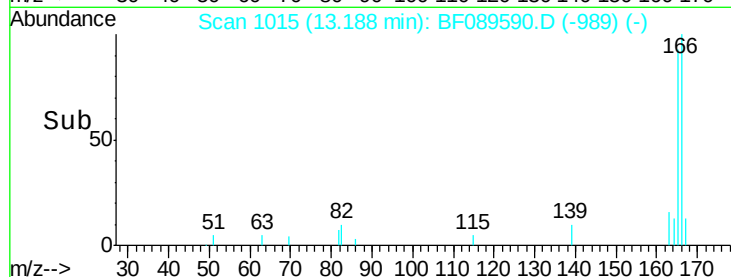
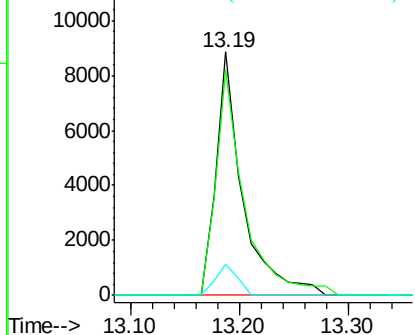
#57
 Fluorene
 Concen: 2.40 ng
 RT: 13.19 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC02.5

Tot Ion:166 Resp: 15103
 Ion Ratio Lower Upper
 166 100
 165 92.9 78.9 118.3
 167 12.6 10.4 15.6

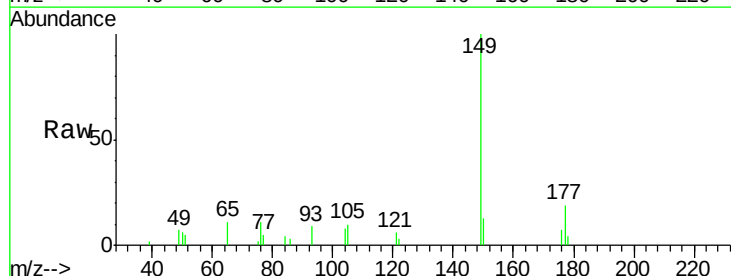


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

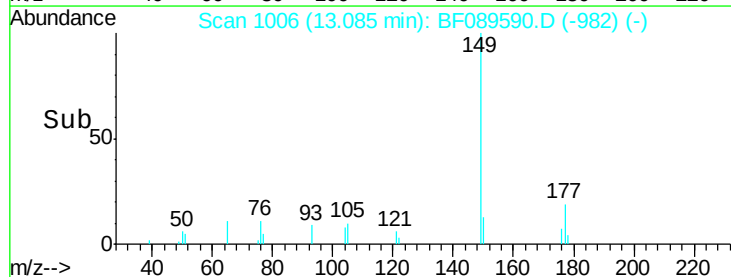
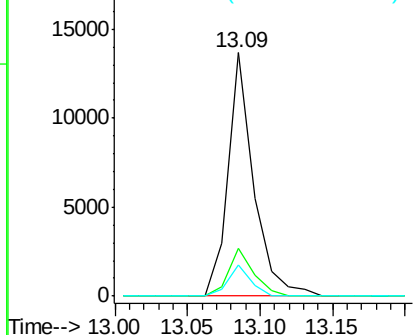


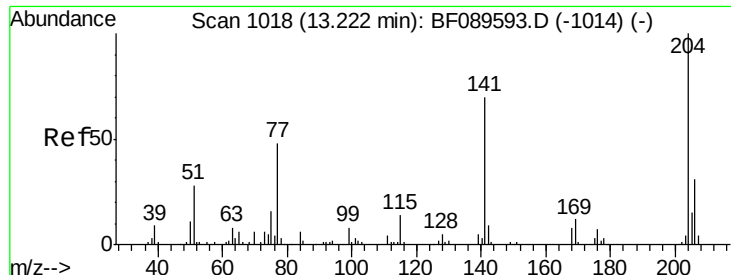
#59
 Diethylphthalate
 Concen: 2.49 ng
 RT: 13.09 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BF089590.D
 Acq: 4 Aug 2016 15:46

Tgt Ion:149 Resp: 16771
 Ion Ratio Lower Upper
 149 100
 177 19.5 16.8 25.2
 150 12.7 9.6 14.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

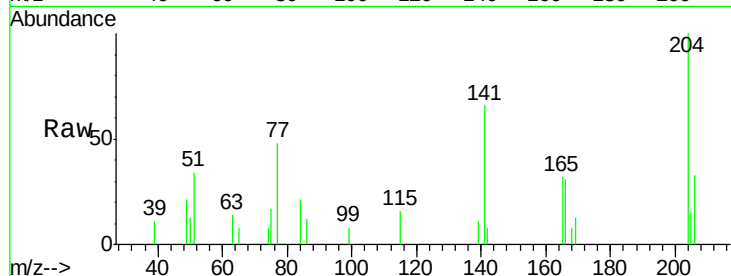




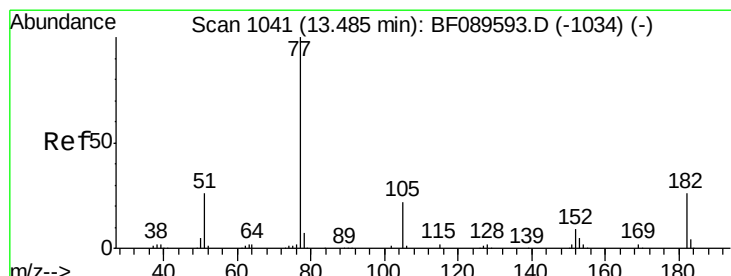
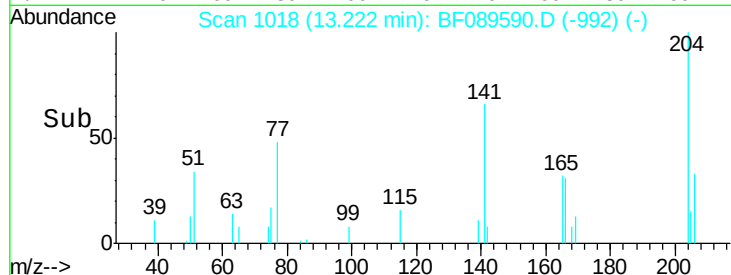
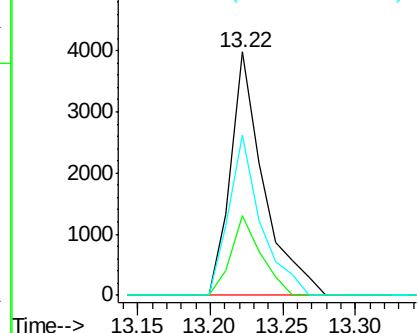
#60
4-Chlorophenyl-phenylether
Concen: 2.19 ng
RT: 13.22 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion: 204 Resp: 6315
Ion Ratio Lower Upper
204 100
206 32.8 25.0 37.4
141 65.9 56.2 84.4

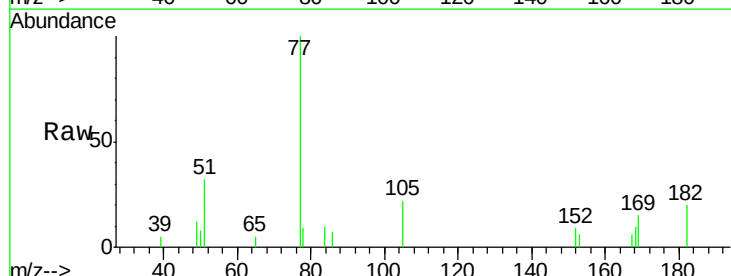


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

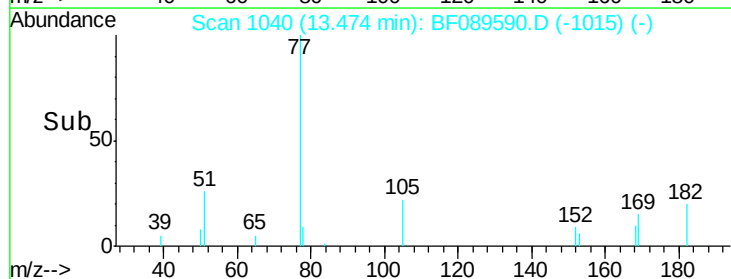
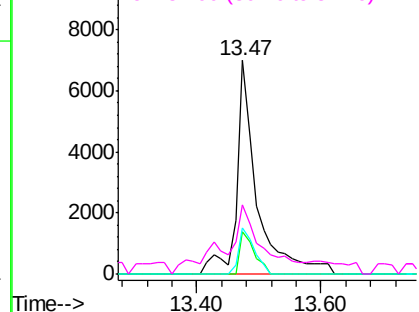


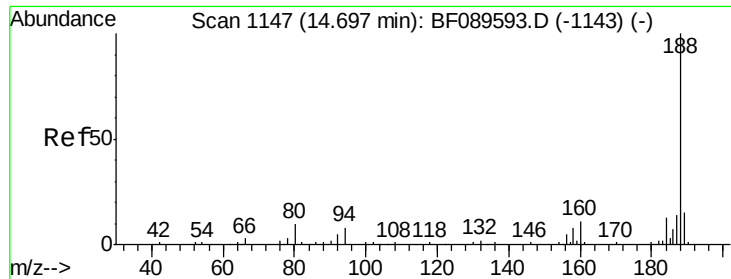
#62
Azobenzene
Concen: 2.42 ng
RT: 13.47 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion: 77 Resp: 16016
Ion Ratio Lower Upper
77 100
182 20.1 5.8 45.8
105 21.7 2.9 42.9
51 32.4 7.2 47.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

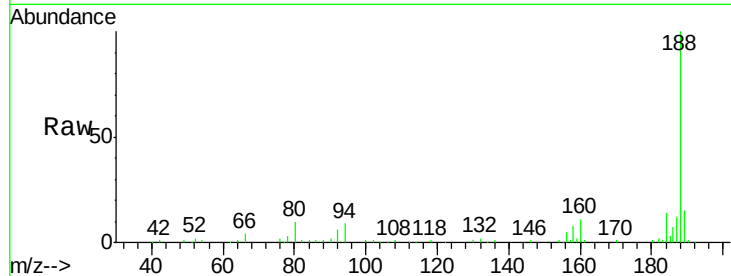




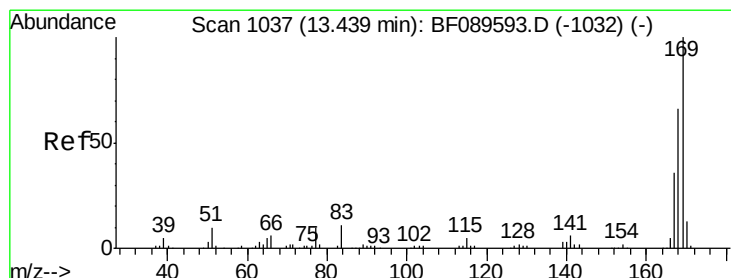
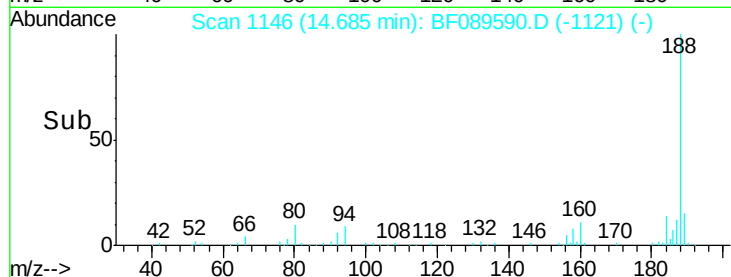
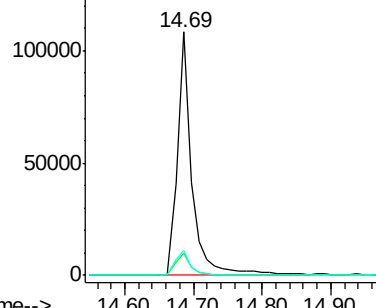
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.69 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC02.5

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.5	9.7
80	10.3	8.0	12.0

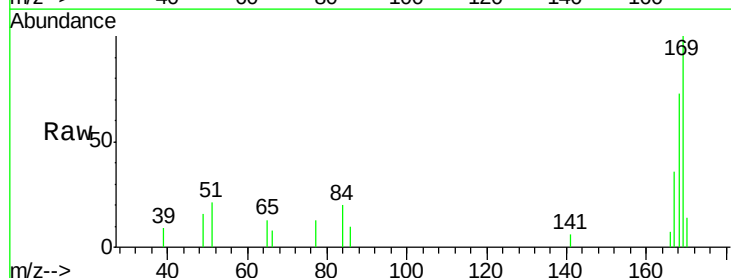


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

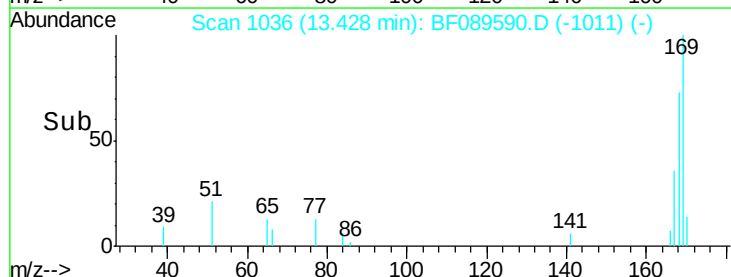
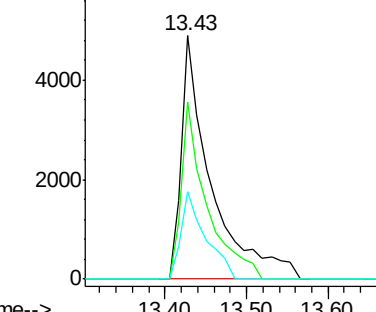


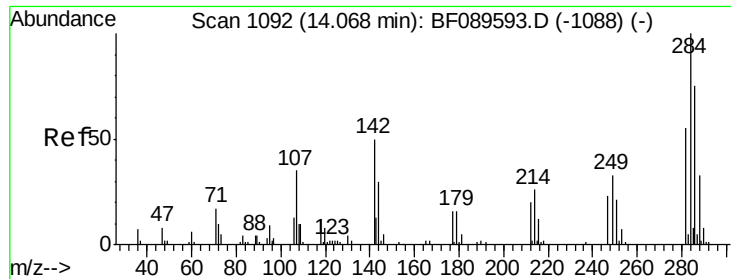
#65
n-Nitrosodiphenylamine
Concen: 2.31 ng
RT: 13.43 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion	Ratio	Lower	Upper
169	100		
168	72.9	54.2	81.2
167	36.1	28.9	43.3



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#67

Hexachlorobenzene

Concen: 2.52 ng

RT: 14.07 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDIC02.5

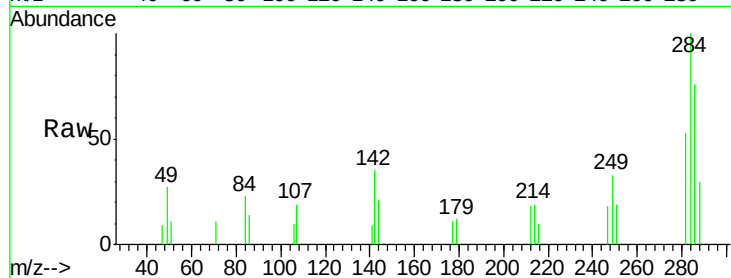
Tot Ion:284 Resp: 4267

Ion Ratio Lower Upper

284 100

142 35.3 41.4 62.0#

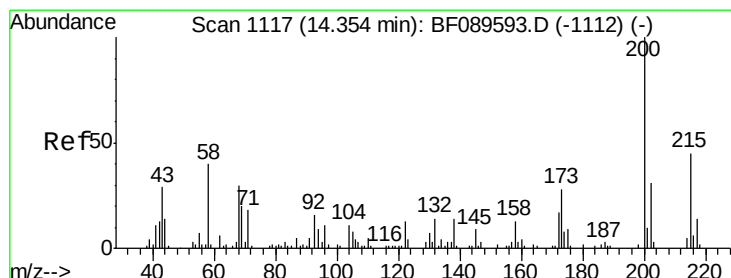
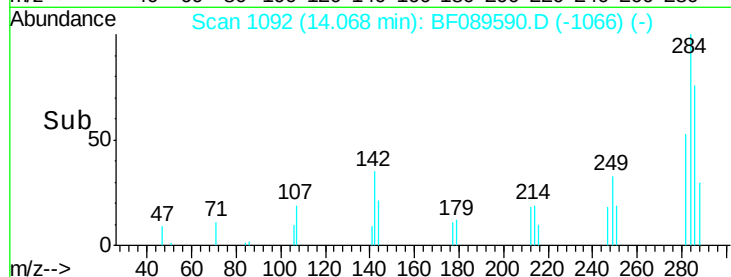
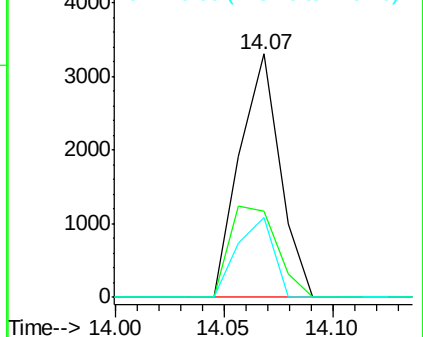
249 32.9 28.6 43.0



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 2.37 ng

RT: 14.33 min Scan# 1115

Delta R.T. -0.02 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

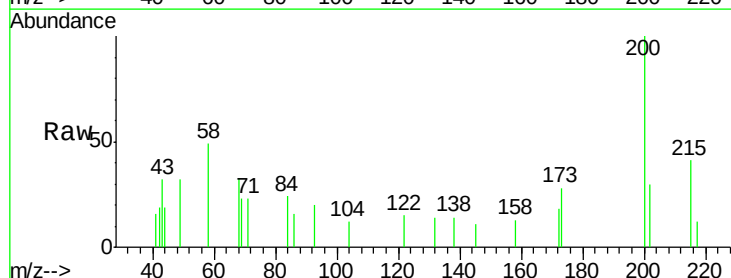
Tgt Ion:200 Resp: 3671

Ion Ratio Lower Upper

200 100

173 27.9 8.2 48.2

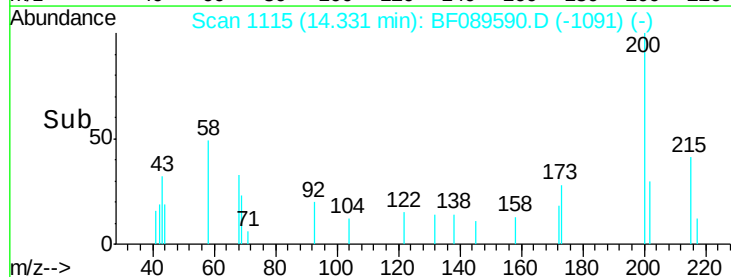
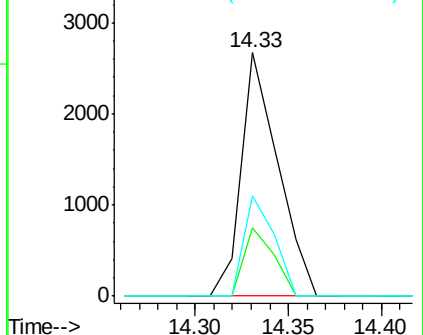
215 41.3 24.9 64.9

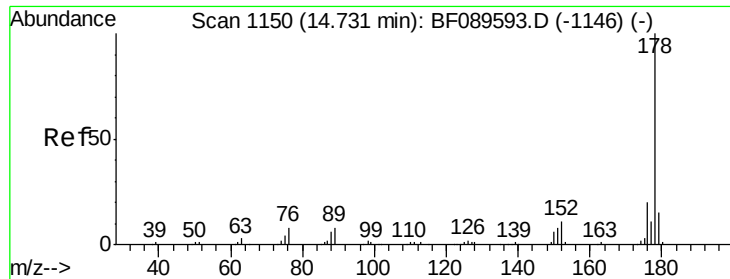


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 2.46 ng

RT: 14.73 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Instrument :

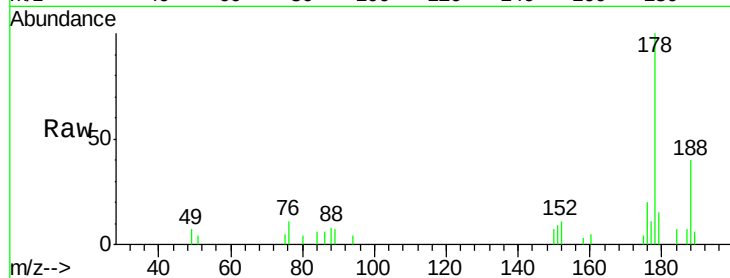
BNA_F

ClientSampleId :

SSTDIC02.5

Tot Ion:178 Resp: 21286

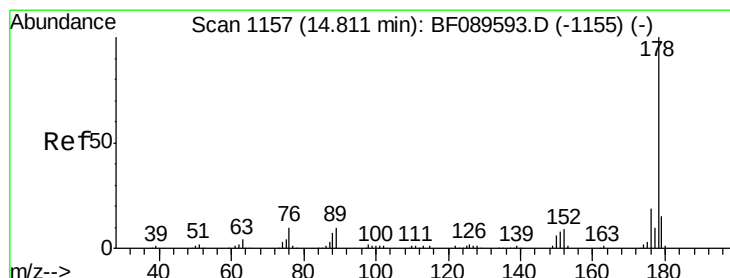
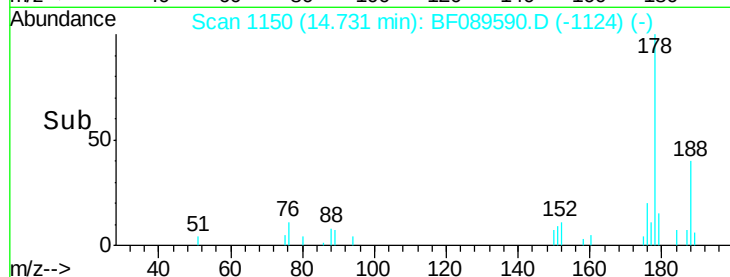
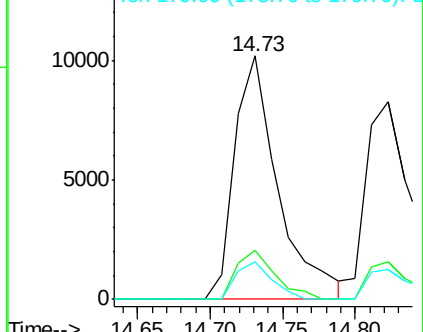
Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.7	23.5
179	15.4	12.2	18.2



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



#71

Anthracene

Concen: 2.59 ng

RT: 14.82 min Scan# 1158

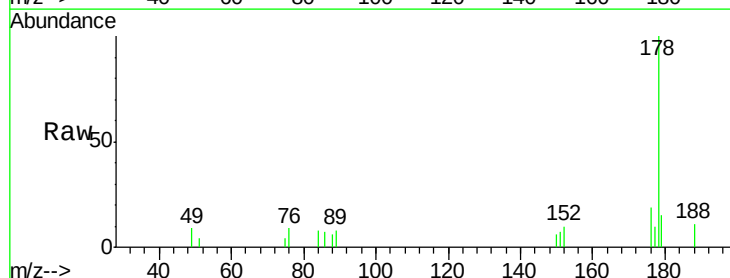
Delta R.T. 0.01 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Tgt Ion:178 Resp: 23888

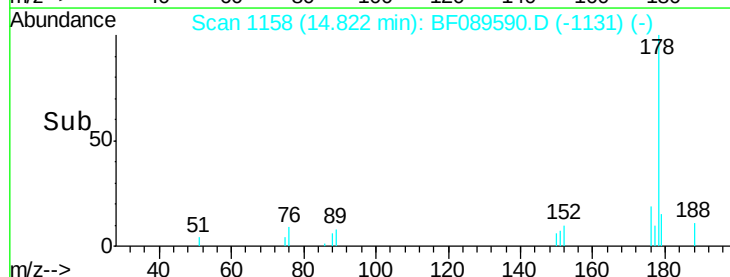
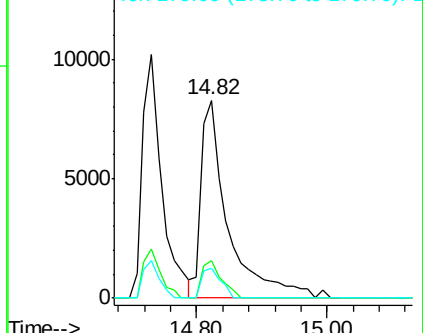
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.1	12.4	18.6

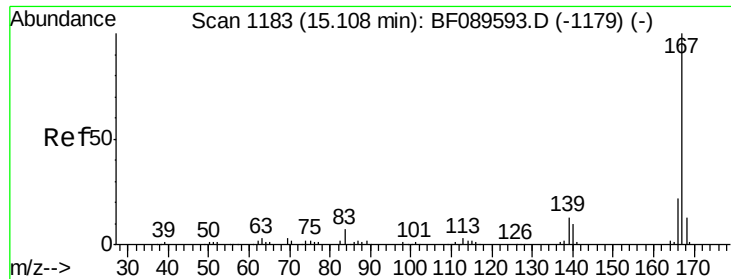


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.13 ng

RT: 15.12 min Scan# 1184

Delta R.T. 0.01 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC02.5

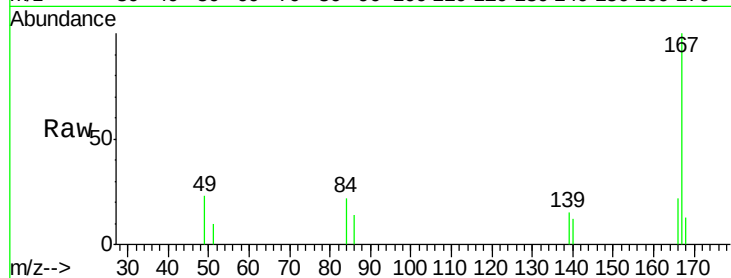
Tot Ion:167 Resp: 16415

Ion Ratio Lower Upper

167 100

166 21.6 17.5 26.3

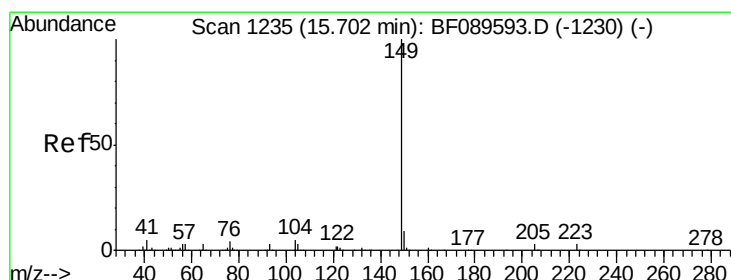
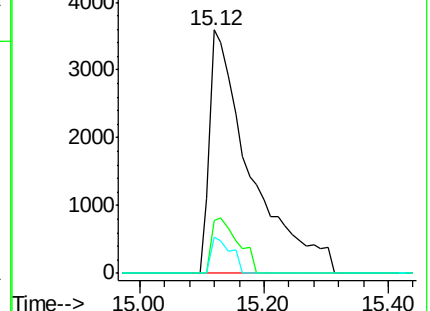
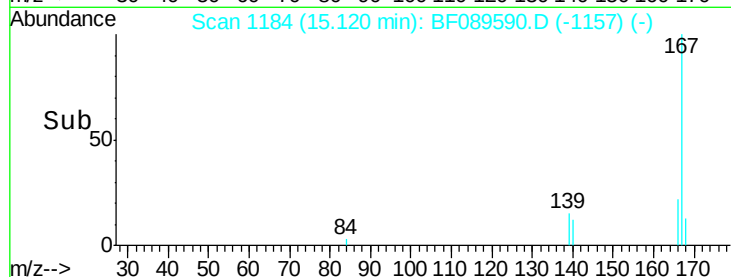
139 14.9 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 2.41 ng

RT: 15.69 min Scan# 1234

Delta R.T. -0.01 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

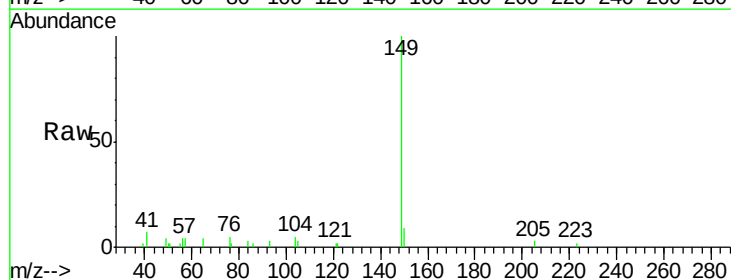
Tgt Ion:149 Resp: 25327

Ion Ratio Lower Upper

149 100

150 9.3 7.2 10.8

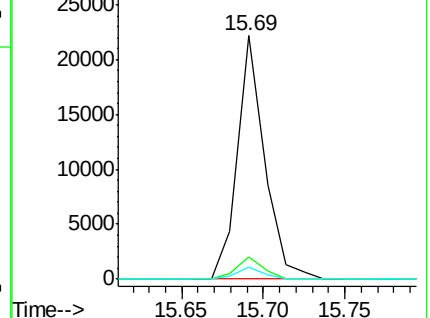
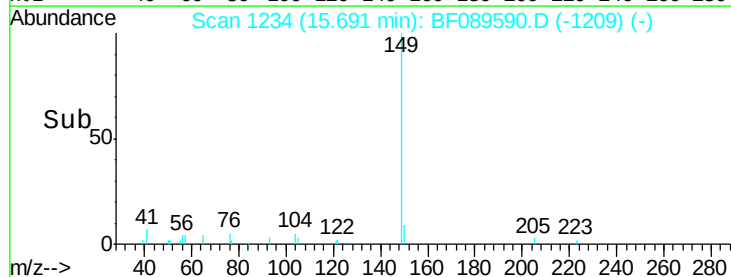
104 5.0 3.8 5.8

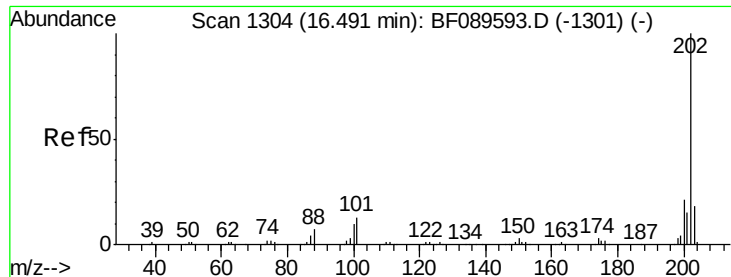


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

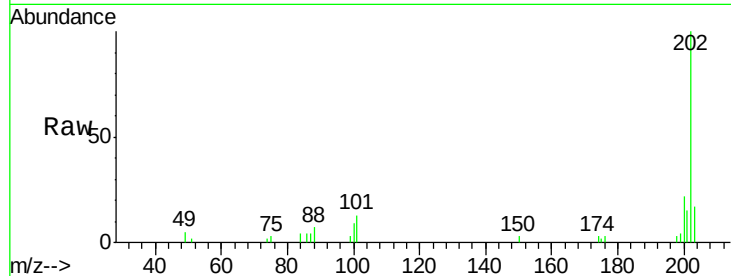




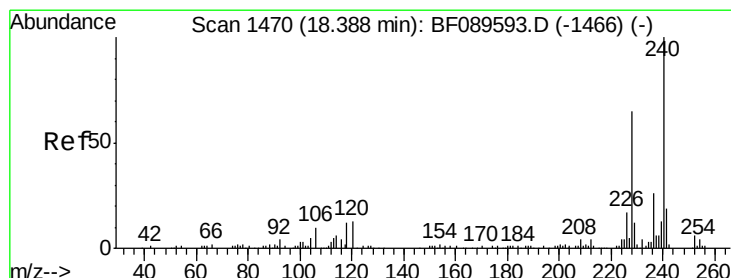
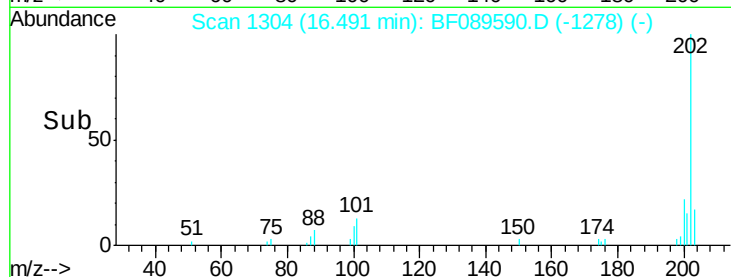
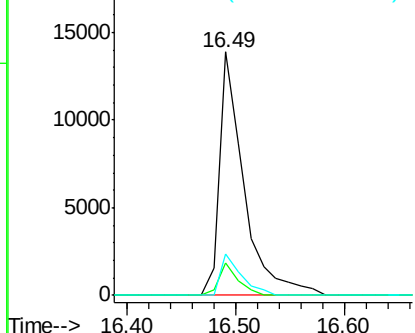
#74
Fluoranthene
Concen: 2.44 ng
RT: 16.49 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion:202 Resp: 21664
Ion Ratio Lower Upper
202 100
101 13.2 0.0 32.7
203 17.2 0.0 37.8

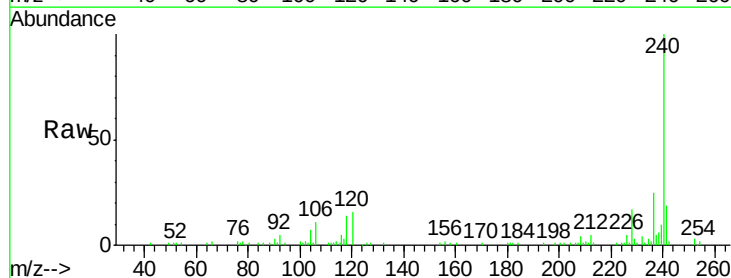


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

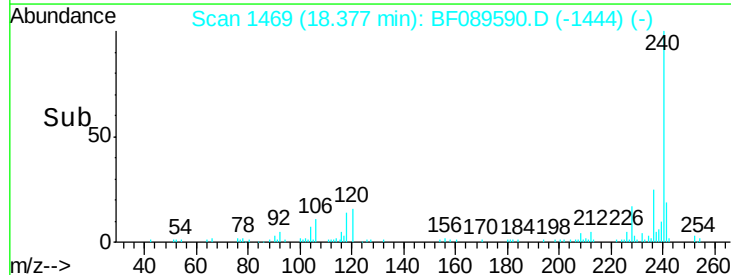
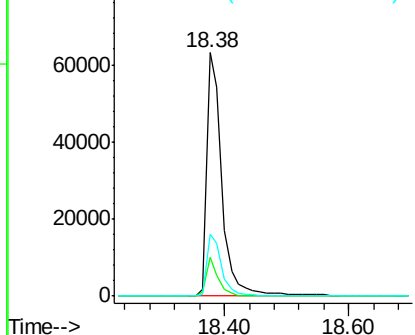


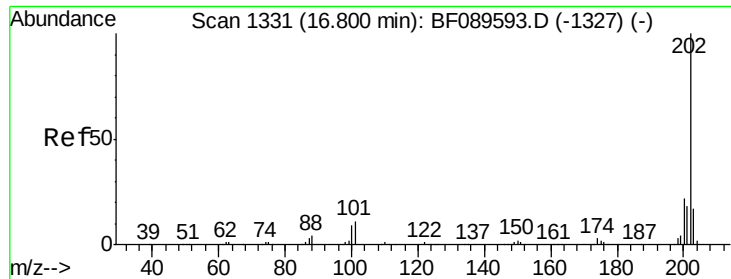
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.38 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:240 Resp: 106595
Ion Ratio Lower Upper
240 100
120 15.8 10.6 15.8
236 25.4 20.6 30.8



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

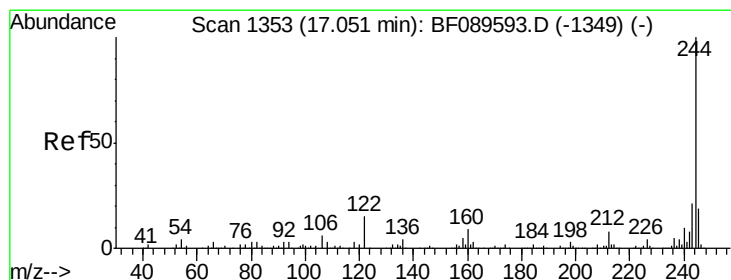
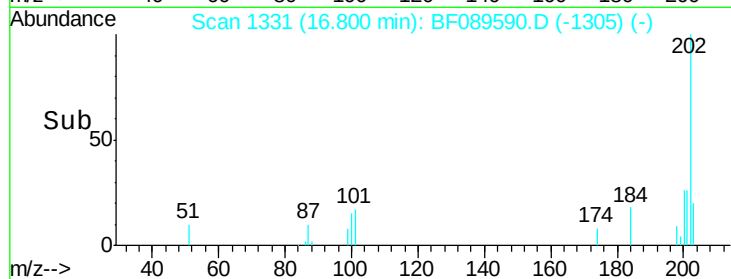
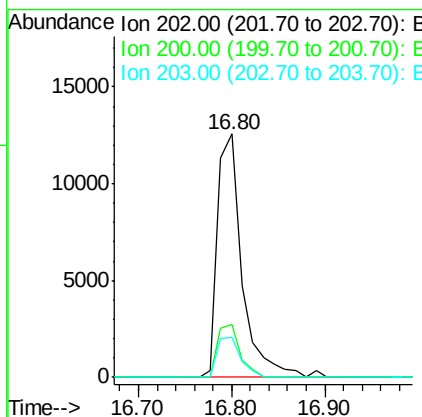
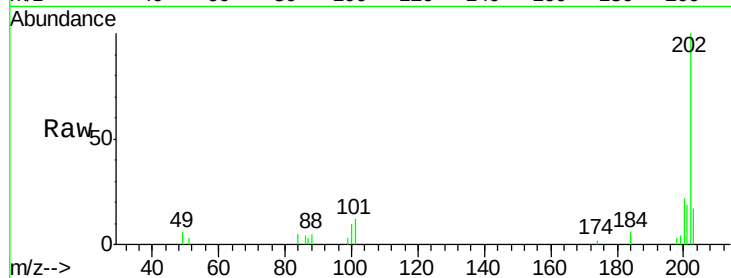




#77
Pvrene
Concen: 2.46 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

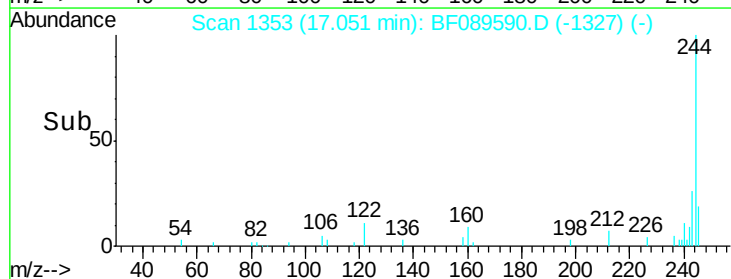
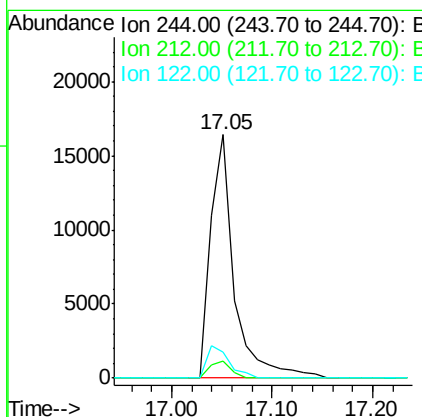
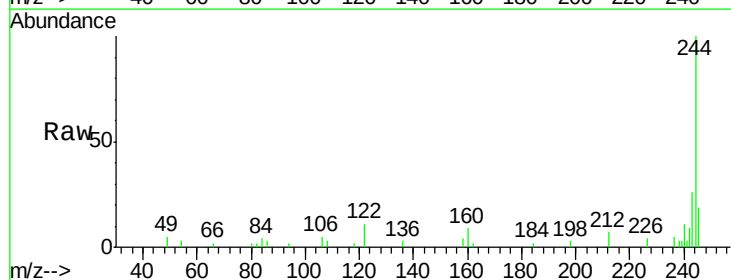
Instrument :
BNA_F
ClientSampleId :
SSTDICC02.5

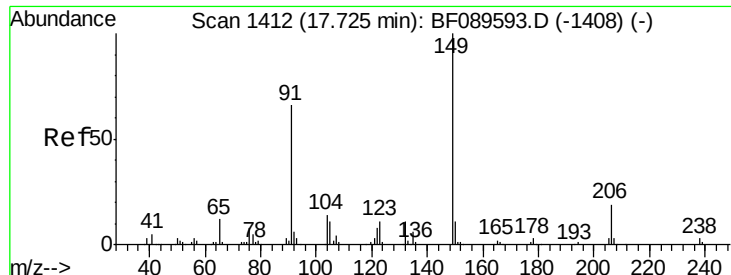
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.0
203	16.7	13.6	20.4



#78
Terphenyl-d14
Concen: 4.97 ng
RT: 17.05 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	10.8	12.2	18.2#

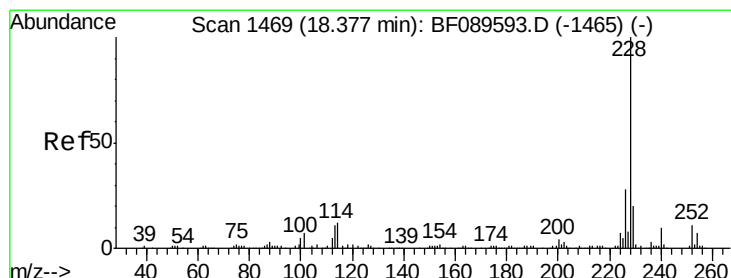
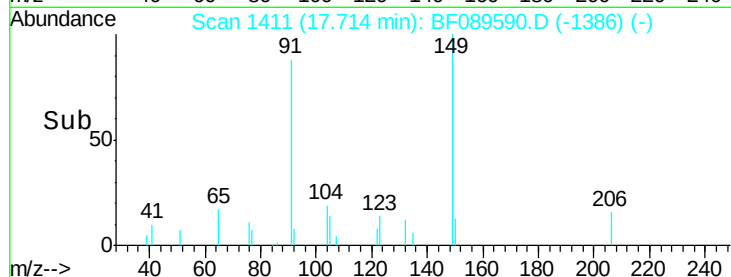
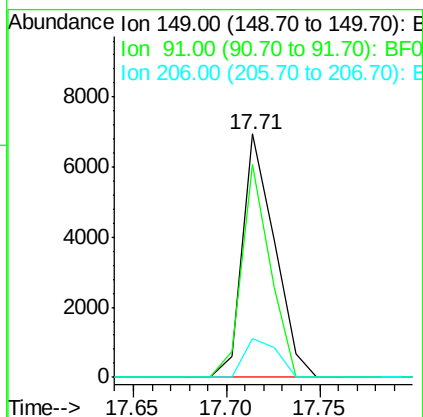
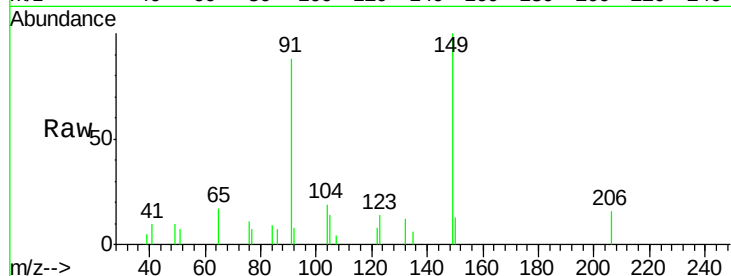




#79
Butylbenzylphthalate
Concen: 2.08 ng
RT: 17.71 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

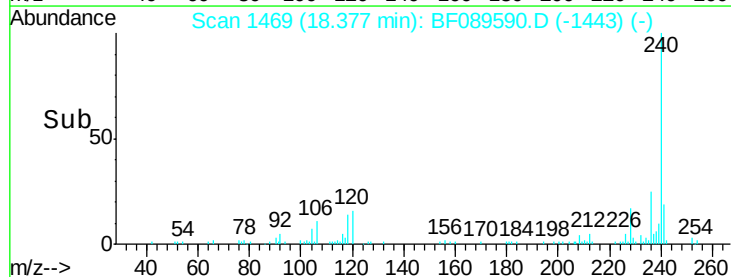
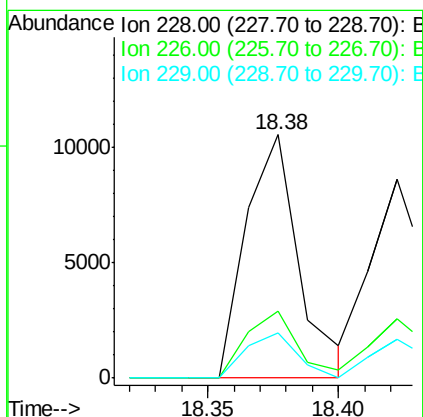
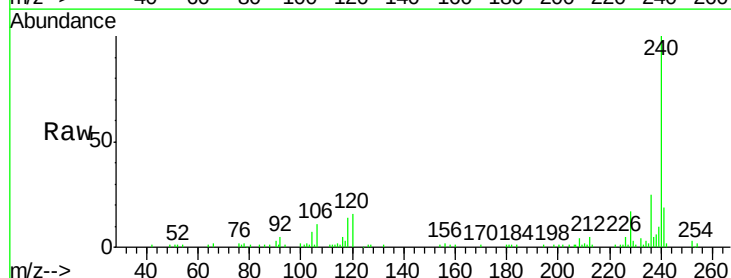
Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

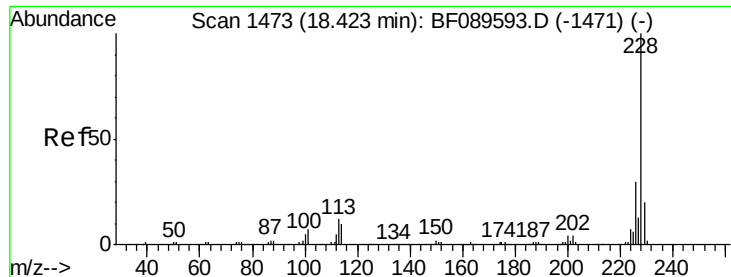
Tot Ion:149 Resp: 8334
Ion Ratio Lower Upper
149 100
91 87.7 52.6 78.8#
206 16.1 15.4 23.0



#80
Benzo(a)anthracene
Concen: 2.46 ng
RT: 18.38 min Scan# 1469
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:228 Resp: 15068
Ion Ratio Lower Upper
228 100
226 27.3 22.3 33.5
229 18.5 15.9 23.9





#82

Chrysene

Concen: 2.46 ng

RT: 18.42 min Scan# 1473

Delta R.T. 0.00 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDICC02.5

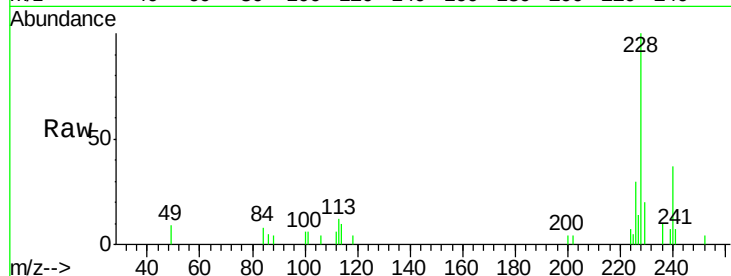
Tot Ion:228 Resp: 15564

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

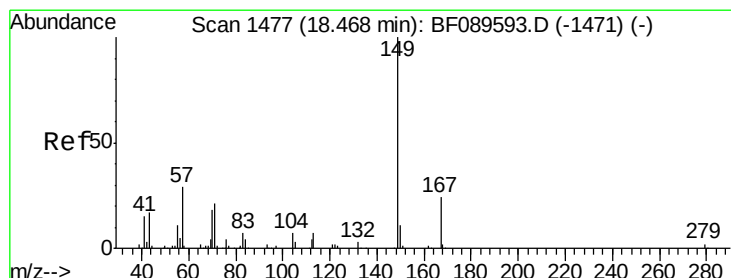
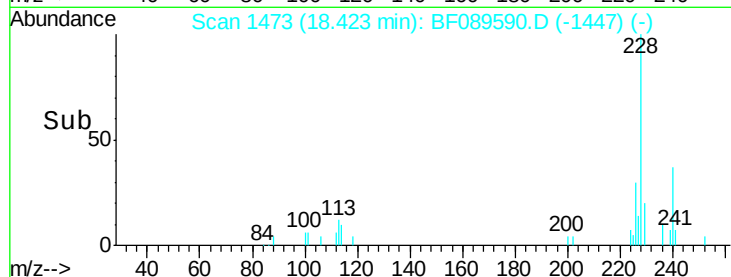
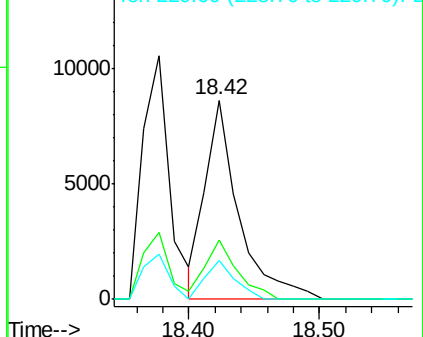
229 19.6 16.0 24.0



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: 2.25 ng

RT: 18.47 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

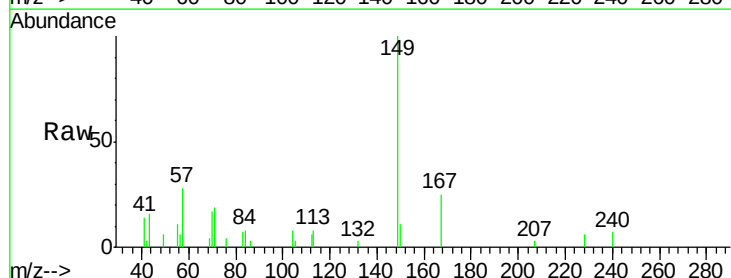
Tgt Ion:149 Resp: 12454

Ion Ratio Lower Upper

149 100

167 25.2 19.0 28.4

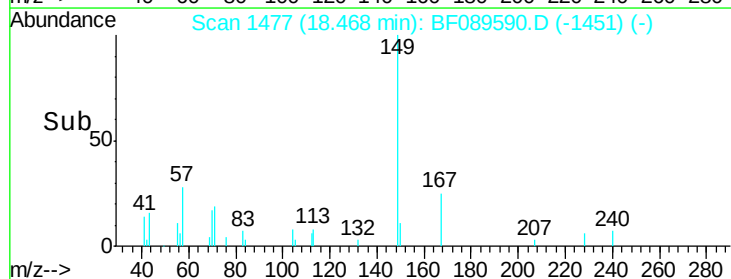
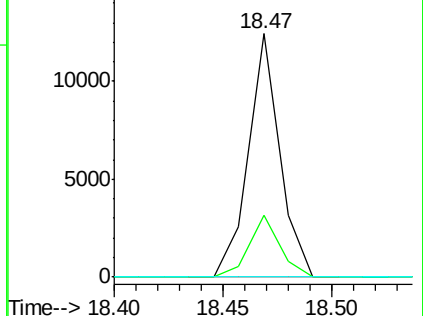
279 0.0 1.8 2.6#

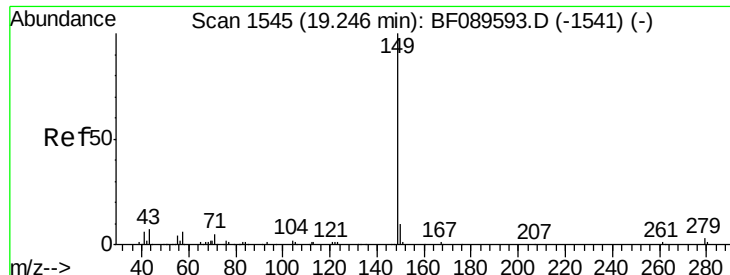


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

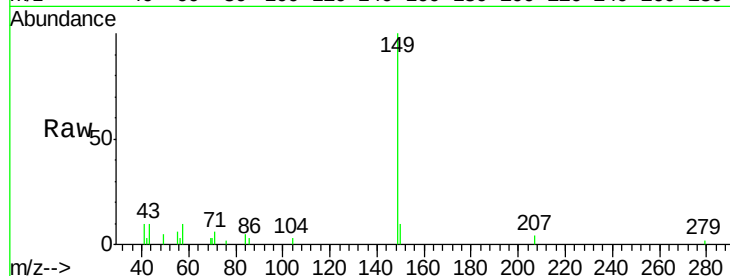




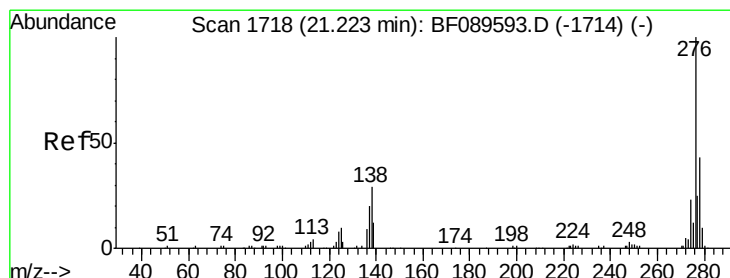
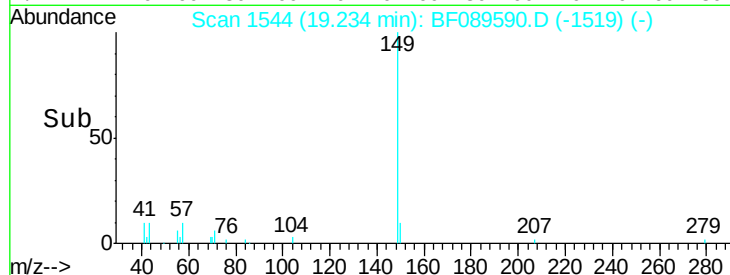
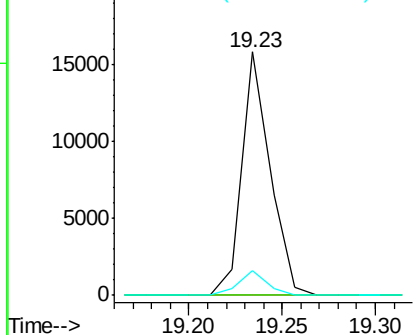
#84
Di-n-octyl phthalate
Concen: 2.11 ng
RT: 19.23 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

Tot Ion:149 Resp: 16864
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 10.4 7.0 10.4

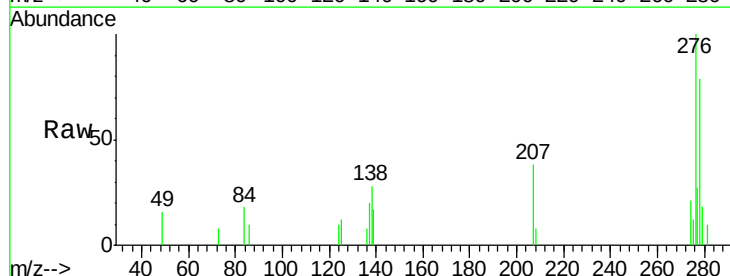


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

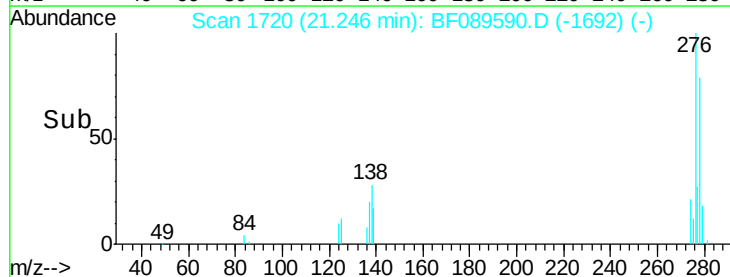
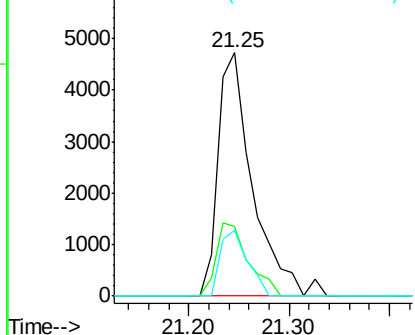


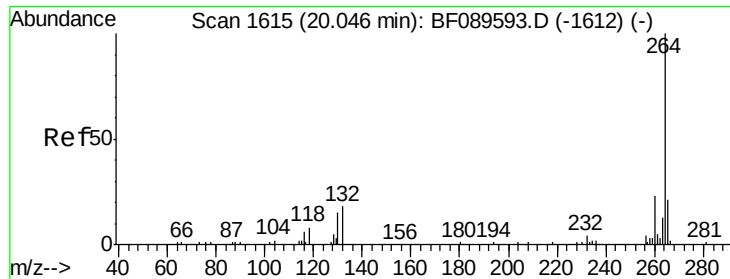
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.33 ng
RT: 21.25 min Scan# 1720
Delta R.T. 0.02 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:276 Resp: 11273
Ion Ratio Lower Upper
276 100
138 27.9 23.8 35.8
277 21.0 20.3 30.5



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

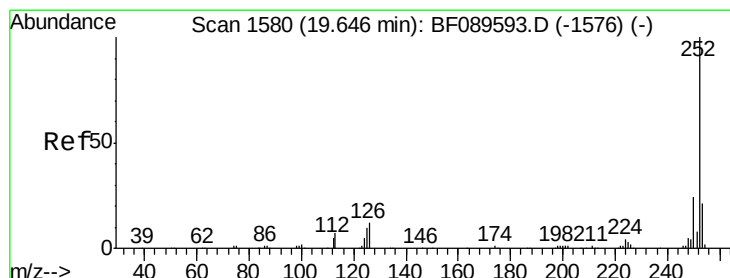
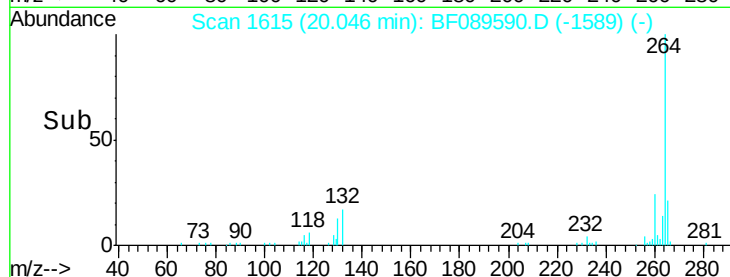
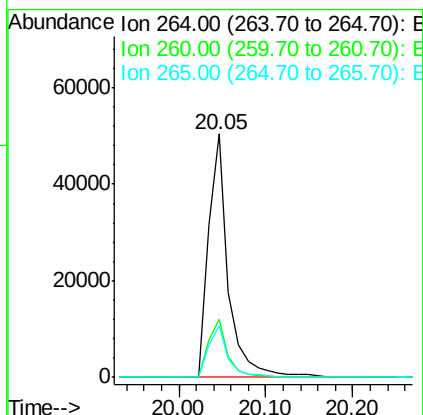
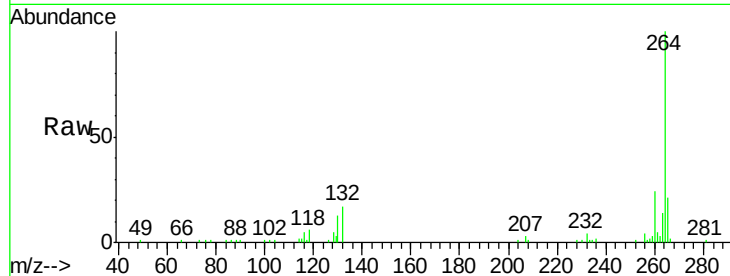




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.05 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

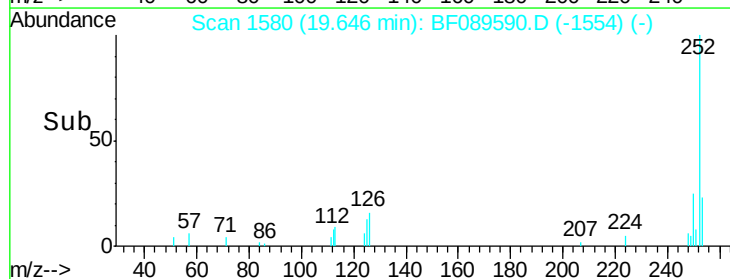
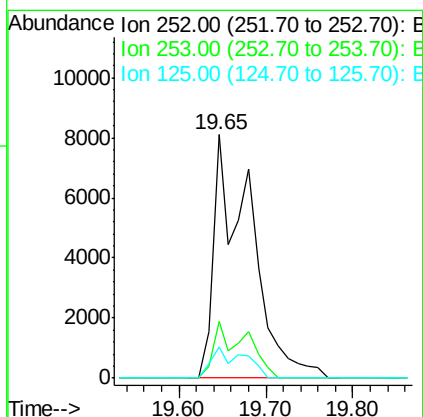
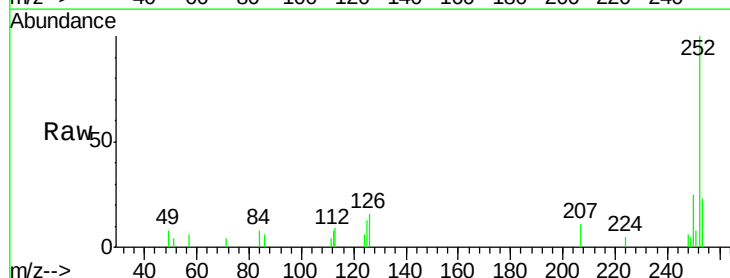
Instrument :
BNA_F
ClientSampleId :
SSTDIC02.5

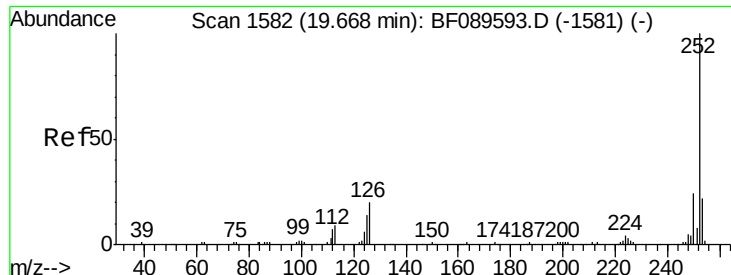
Tot Ion:264 Resp: 79333
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 21.3 16.5 24.7



#87
Benzo(b)fluoranthene
Concen: 4.28 ng
RT: 19.65 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:252 Resp: 23696
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 12.6 7.8 11.8#





#88

Benzo(k)fluoranthene

Concen: 4.71 ng

RT: 19.65 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

Instrument :

BNA_F

ClientSampleId :

SSTDIC02.5

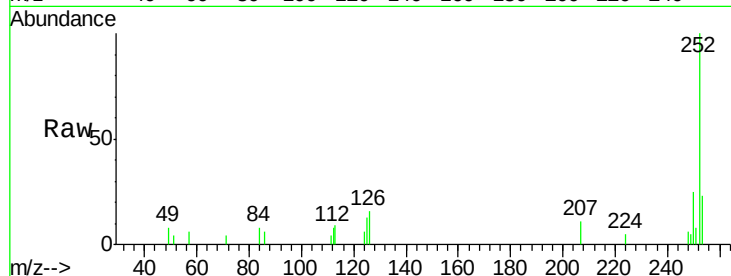
Tot Ion:252 Resp: 23696

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

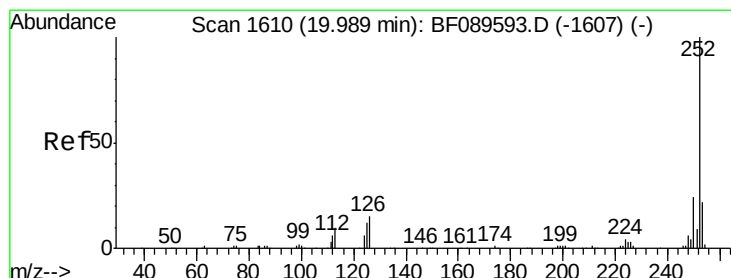
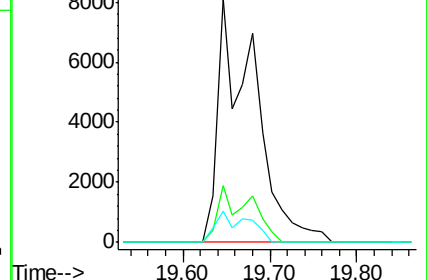
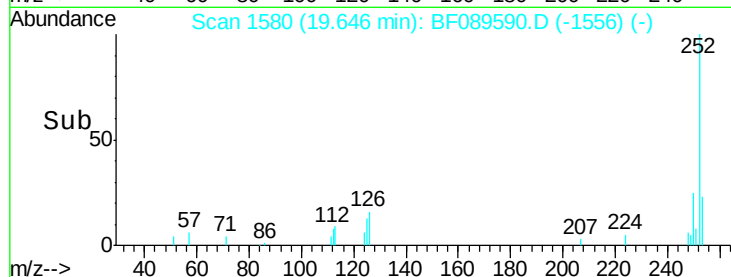
125 12.6 11.0 16.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.44 ng

RT: 20.00 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BF089590.D

Acq: 4 Aug 2016 15:46

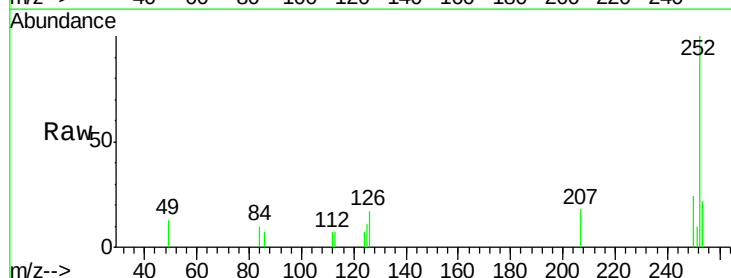
Tgt Ion:252 Resp: 10983

Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

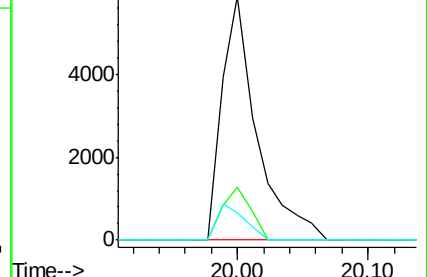
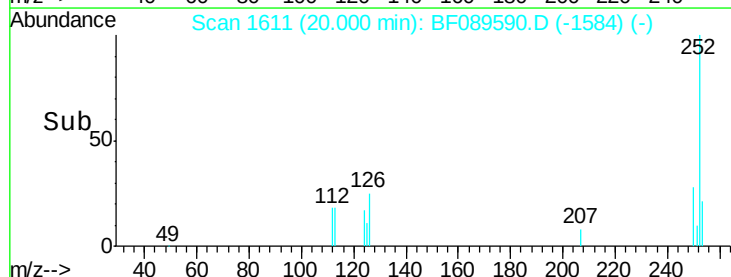
125 11.2 9.9 14.9

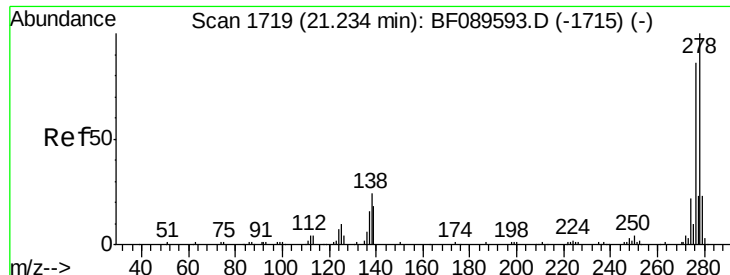


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



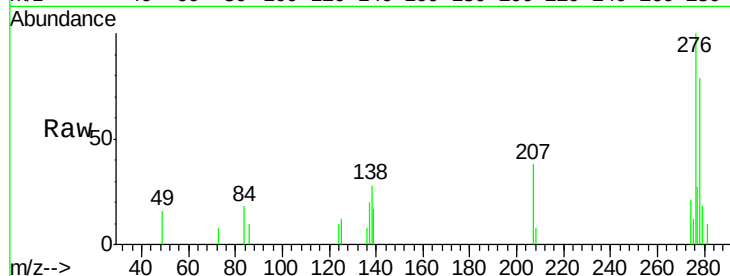


#90
Dibenzo(a,h)anthracene
Concen: 2.27 ng
RT: 21.25 min Scan# 1720
Delta R.T. 0.01 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

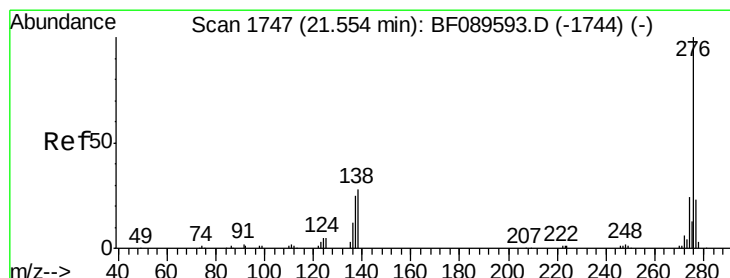
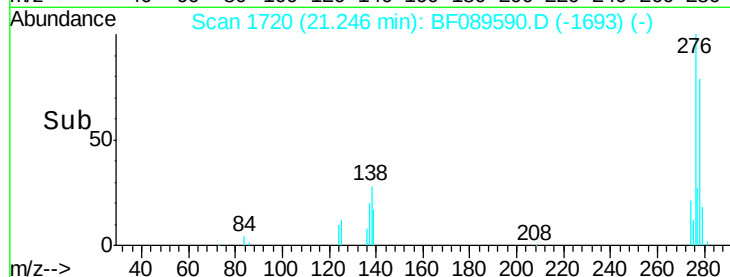
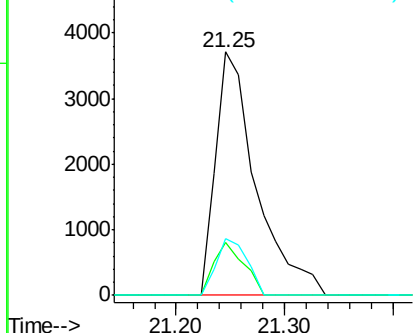
Instrument :
BNA_F
ClientSampleId :
SSTDICC02.5

Tot Ion:278 Resp: 9639

Ion	Ratio	Lower	Upper
278	100		
139	21.8	14.6	21.8
279	23.6	18.4	27.6



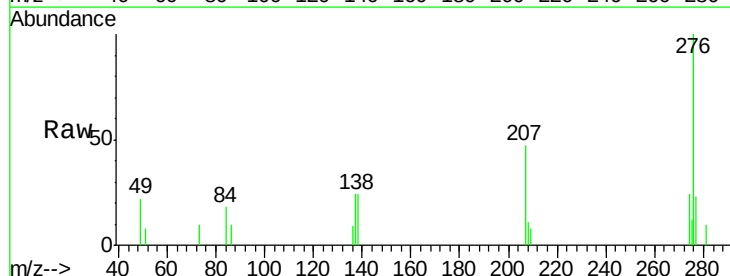
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.29 ng
RT: 21.58 min Scan# 1749
Delta R.T. 0.02 min
Lab File: BF089590.D
Acq: 4 Aug 2016 15:46

Tgt Ion:276 Resp: 9945

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	23.7	22.6	33.8



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

