

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080316\
 Data File : BF089581.D
 Acq On : 4 Aug 2016 6:05
 Operator : UM/SJ
 Sample : H4216-04RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 04 08:01:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 04 07:58:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	52286	20.00	ng	-0.01
21) Naphthalene-d8	9.48	136	209941	20.00	ng	-0.01
38) Acenaphthene-d10	12.32	164	86271	20.00	ng	0.00
63) Phenanthrene-d10	14.71	188	126988	20.00	ng	-0.01
75) Chrysene-d12	18.40	240	108857	20.00	ng	-0.01
86) Perylene-d12	20.07	264	114313	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	359485	115.74	ng	0.01
7) Phenol-d6	7.00	99	480148	114.14	ng	0.00
23) Nitrobenzene-d5	8.38	82	301762	79.51	ng	0.00
41) 2,4,6-Tribromophenol	13.60	330	65331	95.34	ng	-0.01
44) 2-Fluorobiphenyl	11.28	172	526577	79.27	ng	0.00
78) Terphenyl-d14	17.07	244	301367	55.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.12	93	326	0.06	ng	# 1
9) Benzaldehyde	7.00	77	537	0.36	ng	# 1
10) Phenol	7.03	94	2360	0.54	ng	# 1
11) bis(2-Chloroethyl)ether	7.12	93	326	0.09	ng	# 1
15) Benzyl Alcohol	7.70	79	4999	1.82	ng	# 41
19) n-Nitroso-di-n-propylamine	8.38	70	35533	12.01	ng	# 78
24) Nitrobenzene	8.38	77	590	0.15	ng	# 39
25) Isophorone	9.04	82	476	0.07	ng	# 67
31) Naphthalene	9.53	128	2793	0.25	ng	# 68
37) 2-Methylnaphthalene	10.67	142	765	0.11	ng	# 75
45) 1,1'-Biphenyl	11.27	154	852	0.11	ng	# 1
48) Acenaphthylene	12.09	152	2981	0.31	ng	# 85
49) Dimethylphthalate	11.96	163	167871	25.40	ng	# 98
50) 2,6-Dinitrotoluene	11.96	165	1467	1.11	ng	# 1
51) Acenaphthene	12.37	154	7578	1.36	ng	# 99
54) Dibenzofuran	12.67	168	2707	0.36	ng	# 86
55) 4-Nitrophenol	12.67	139	1126	1.33	ng	# 13
57) Fluorene	13.21	166	4504	0.70	ng	# 96
62) Azobenzene	13.60	77	302	0.04	ng	# 3
65) n-Nitrosodiphenylamine	13.46	169	3433	0.79	ng	# 94
70) Phenanthrene	14.74	178	66001	9.73	ng	# 98
71) Anthracene	14.85	178	21925	2.96	ng	# 96
72) Carbazole	15.15	167	5232	0.87	ng	# 81
73) Di-n-butylphthalate	15.71	149	2066	0.27	ng	# 78
74) Fluoranthene	16.51	202	99909	14.55	ng	# 100
77) Pyrene	16.81	202	94333	9.75	ng	# 96
79) Butylbenzylphthalate	17.74	149	5443	1.50	ng	# 97
80) Benzo(a)anthracene	18.43	228	40200	6.34	ng	# 94
82) Chrysene	18.43	228	40200	6.15	ng	# 98
83) Bis(2-ethylhexyl)phthalate	18.49	149	6744	1.38	ng	# 99
84) Di-n-octyl phthalate	19.26	149	399	0.05	ng	# 1
85) Indeno(1,2,3-cd)pyrene	21.27	276	32760	7.56	ng	# 94
87) Benzo(b)fluoranthene	19.67	252	86679	12.41	ng	# 99
88) Benzo(k)fluoranthene	19.67	252	86679	12.64	ng	# 96

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QLast Update : Thu Aug 04 07:58:27 2016
Response via : Initial Calibration

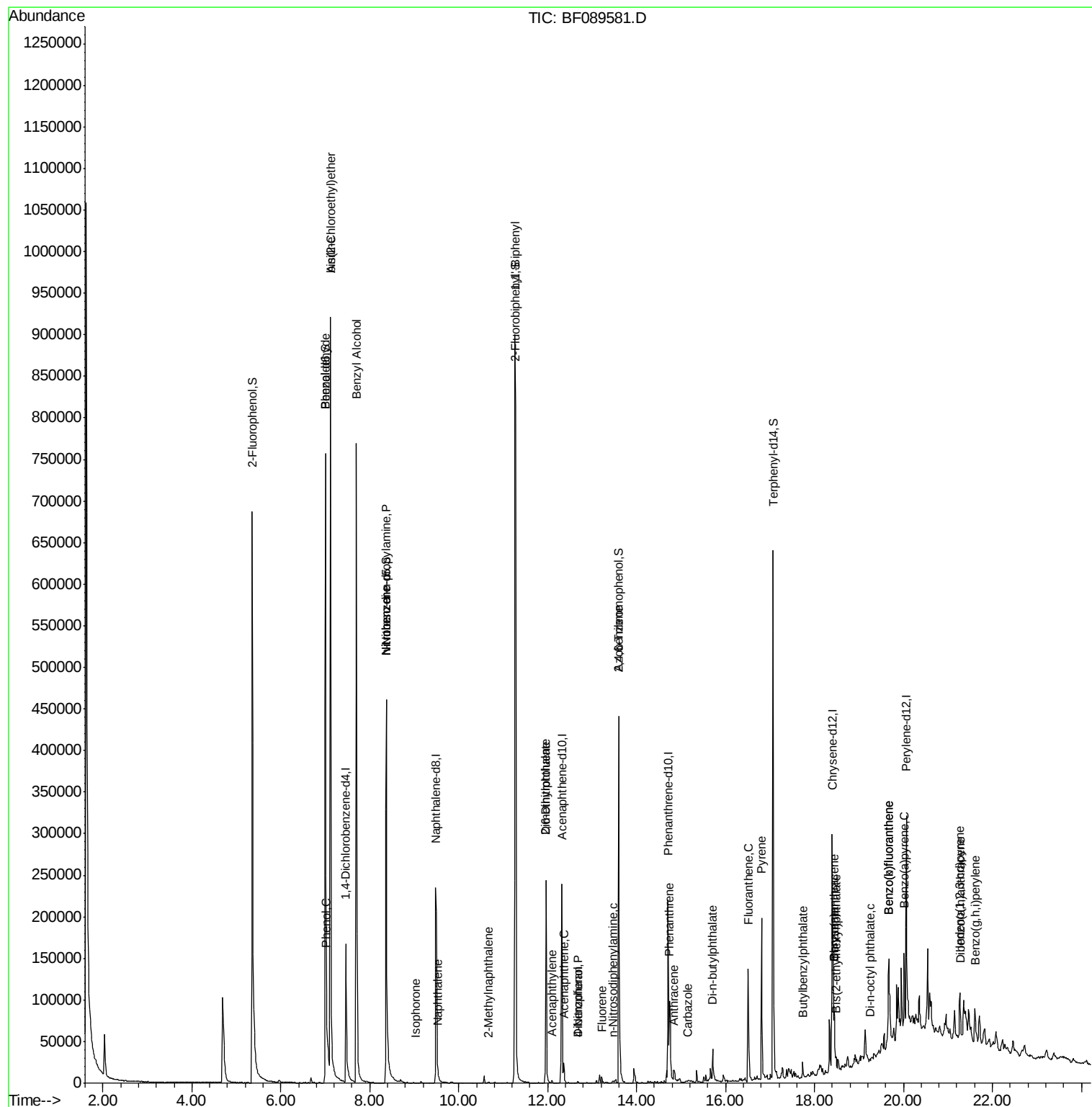
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Benzo(a)pyrene	20.01	252	49325	7.62	ng	# 93
90) Dibenzo(a,h)anthracene	21.28	278	5169	0.84	ng	# 80
91) Benzo(g,h,i)perylene	21.61	276	32780	5.10	ng	95

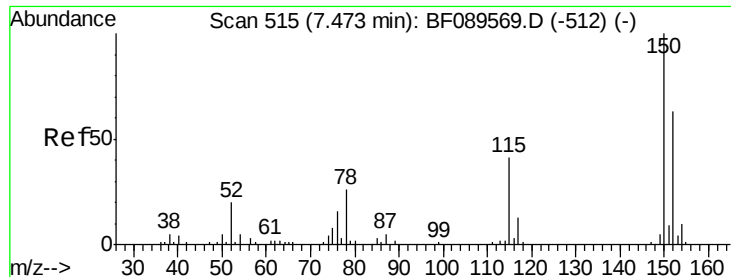
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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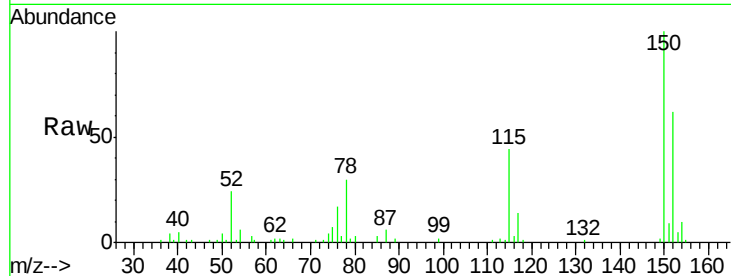




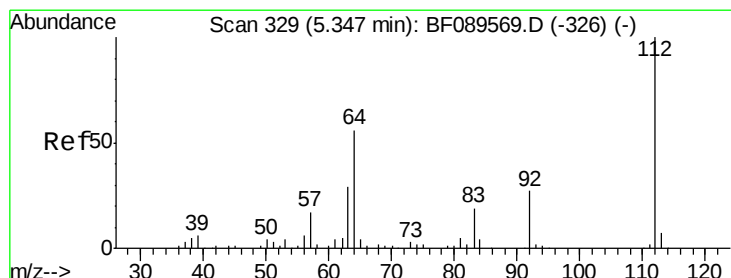
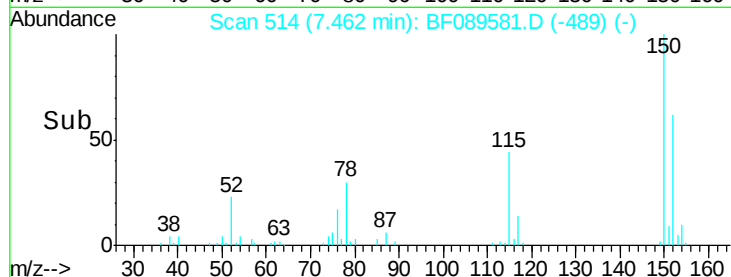
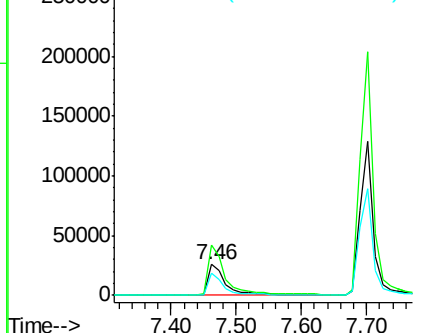
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.46 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 52286
 Ion Ratio Lower Upper
 152 100
 150 160.7 127.4 191.2
 115 71.2 51.8 77.8

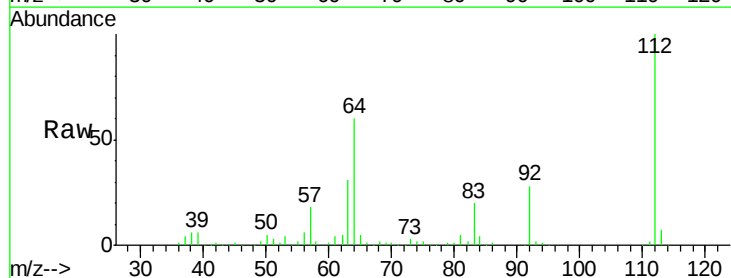


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

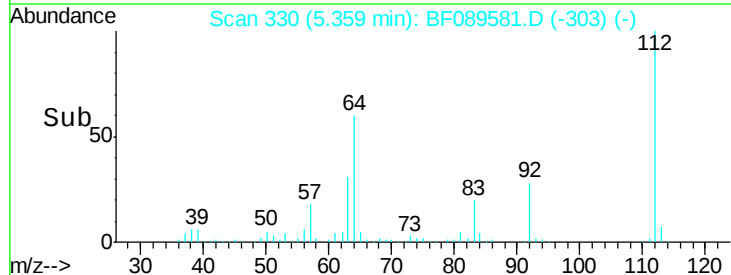
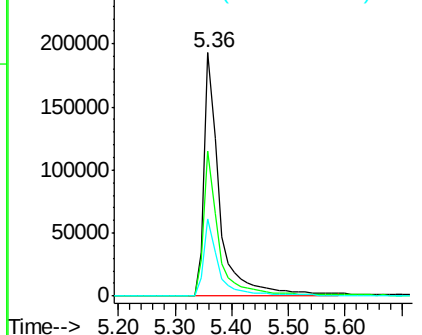


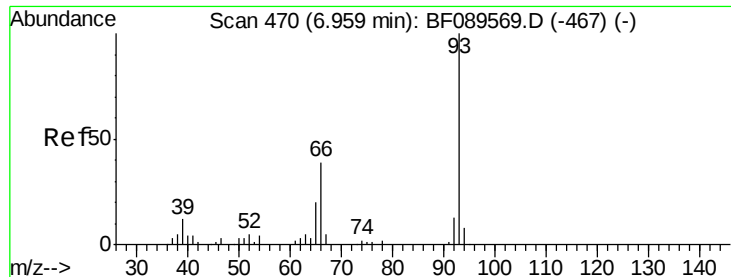
#5
 2-Fluorophenol
 Concen: 115.74 ng
 RT: 5.36 min Scan# 330
 Delta R.T. 0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion:112 Resp: 359485
 Ion Ratio Lower Upper
 112 100
 64 59.8 45.2 67.8
 63 31.5 23.1 34.7



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





#6

Aniline

Concen: 0.06 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.16 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

ClientSampled :

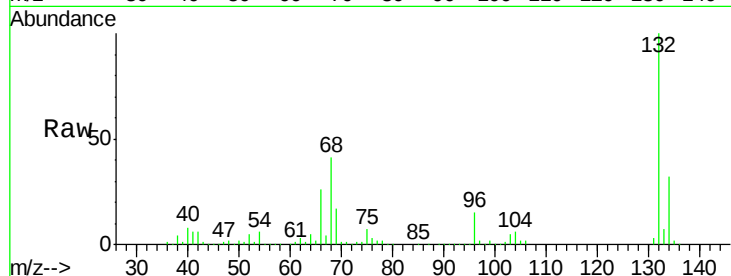
Tot Ion: 93 Resp: 326

Ion Ratio Lower Upper

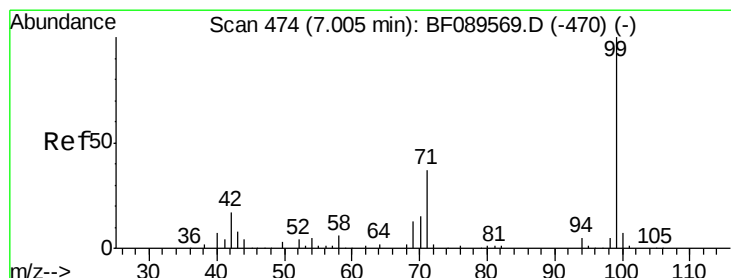
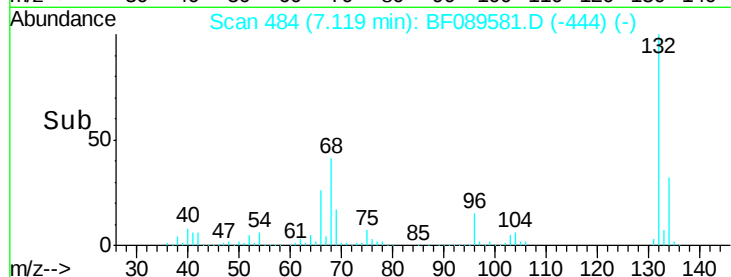
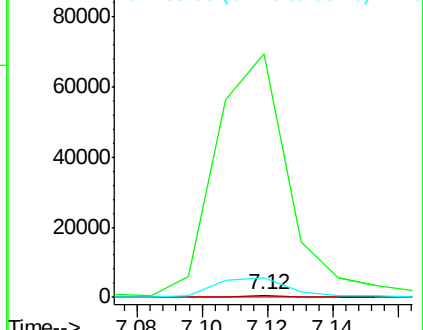
93 100

66 14618.9 31.1 46.7#

65 1183.4 15.7 23.5#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 114.14 ng

RT: 7.00 min Scan# 474

Delta R.T. -0.00 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

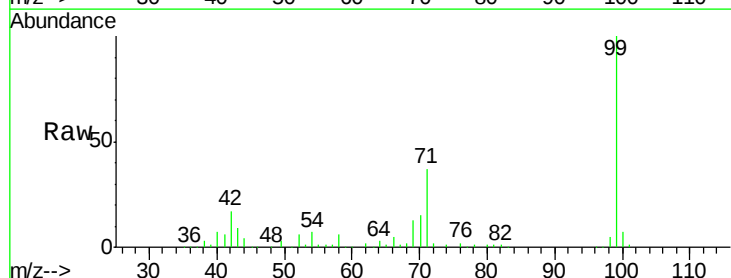
Tgt Ion: 99 Resp: 480148

Ion Ratio Lower Upper

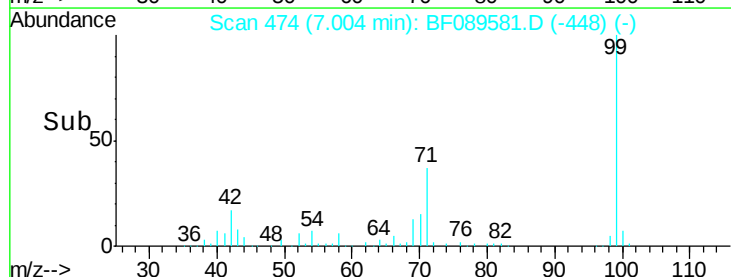
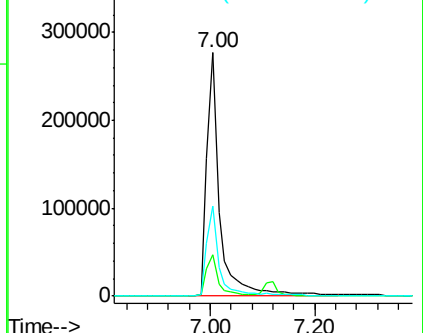
99 100

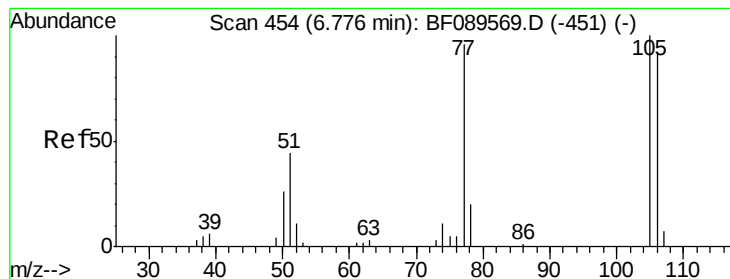
42 17.2 13.9 20.9

71 36.9 29.3 43.9



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





#9

Benzaldehyde

Concen: 0.36 ng

RT: 7.00 min Scan# 474

Delta R.T. 0.23 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

ClientSampled :

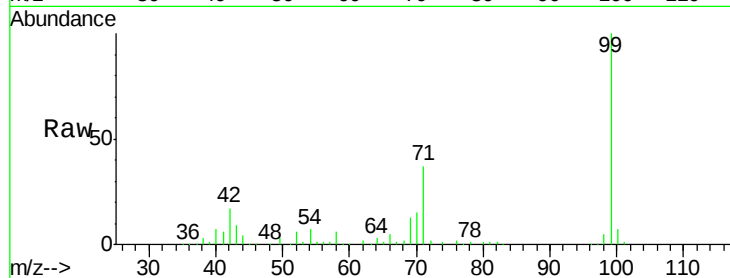
Tot Ion: 77 Resp: 537

Ion Ratio Lower Upper

77 100

105 0.0 84.0 124.0#

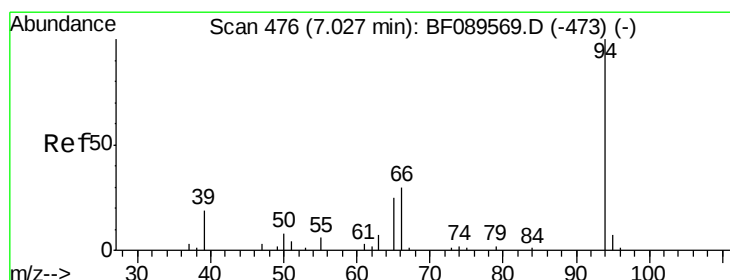
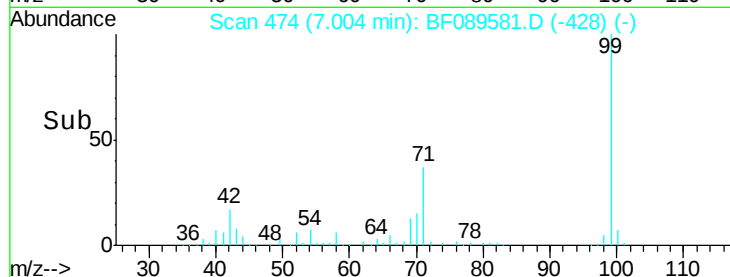
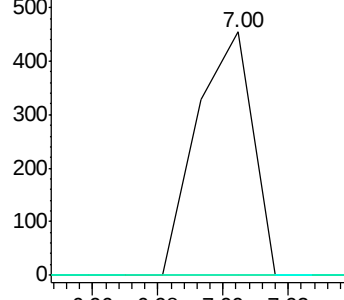
106 0.0 75.3 115.3#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 0.54 ng

RT: 7.03 min Scan# 476

Delta R.T. -0.00 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

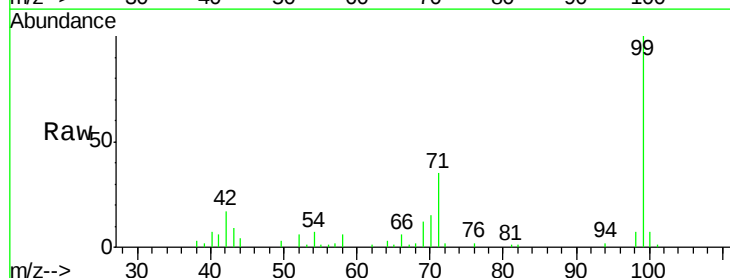
Tgt Ion: 94 Resp: 2360

Ion Ratio Lower Upper

94 100

65 66.7 11.9 51.9#

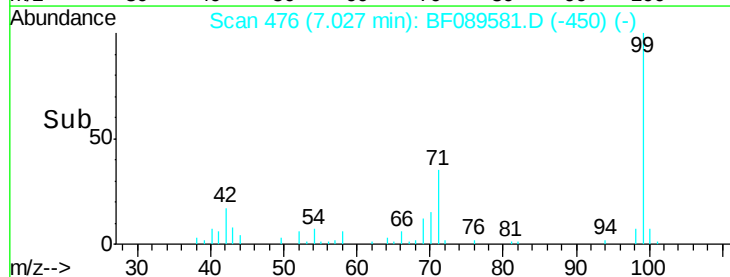
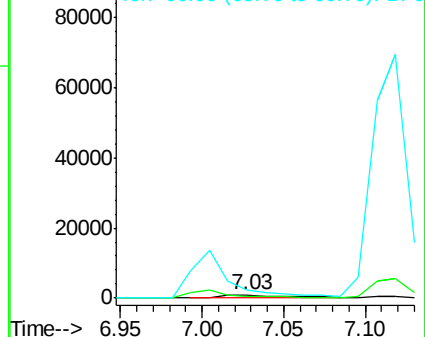
66 247.6 30.9 70.9#

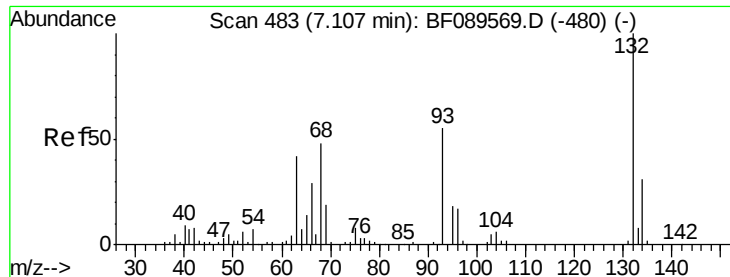


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

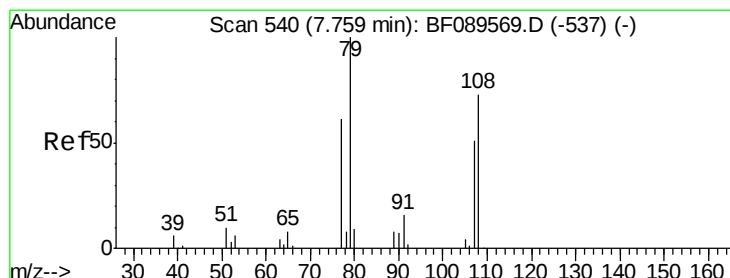
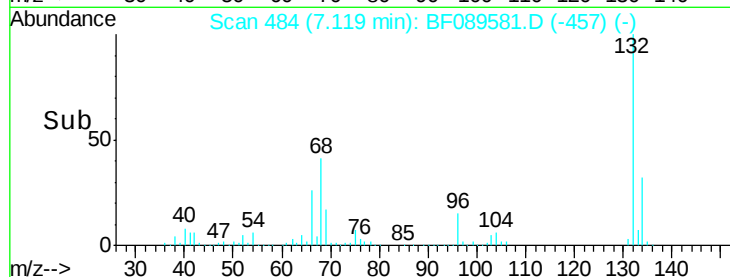
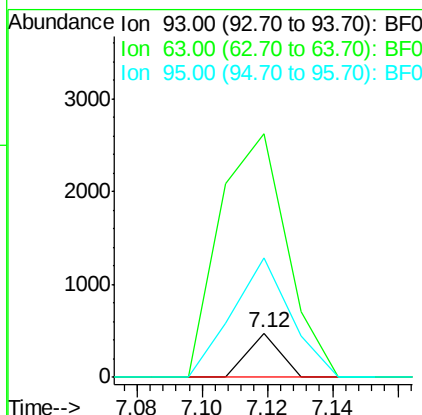
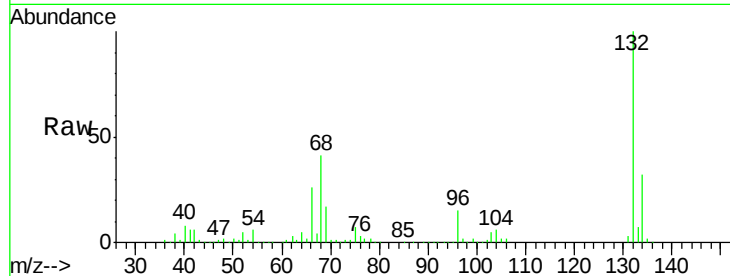




#11
bis(2-Chloroethyl)ether
Concen: 0.09 ng
RT: 7.12 min Scan# 484
Delta R.T. 0.01 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

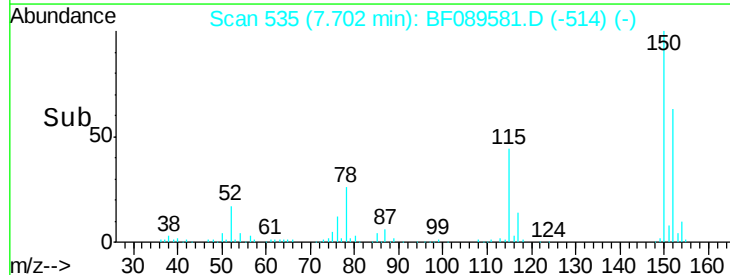
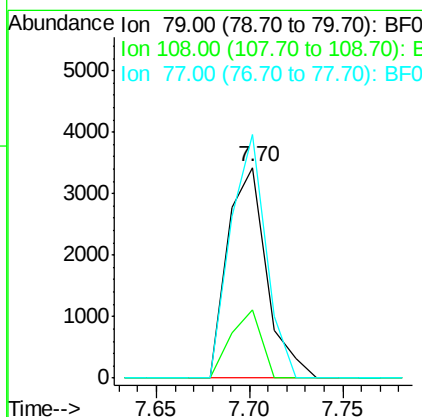
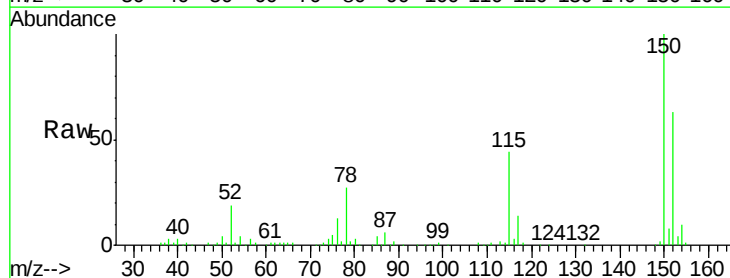
Instrument :
BNA_F
ClientSampleId :

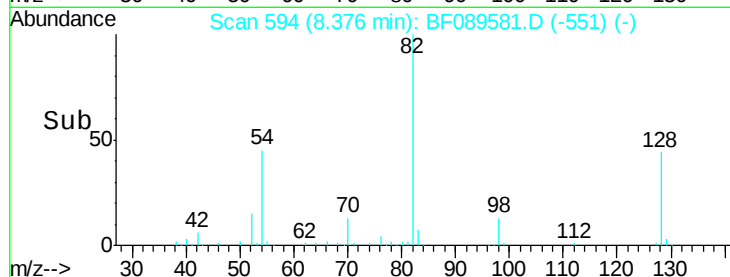
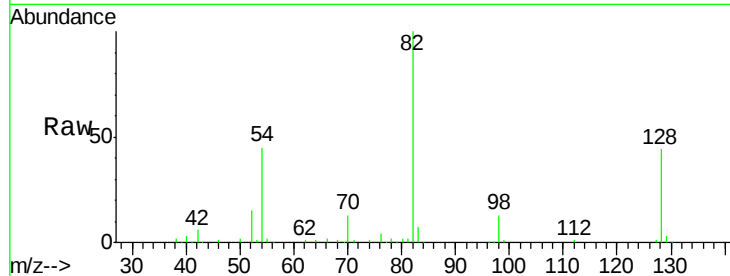
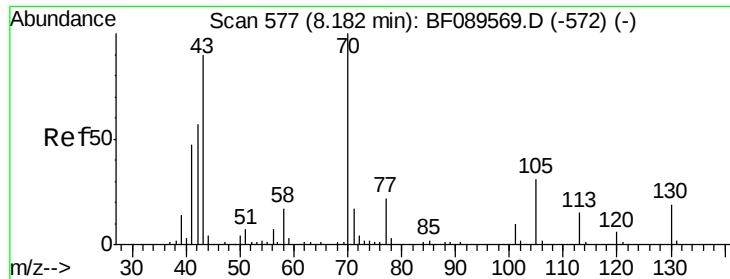
Tot Ion: 93 Resp: 326
Ion Ratio Lower Upper
93 100
63 551.8 54.0 94.0#
95 269.3 12.3 52.3#



#15
Benzyl Alcohol
Concen: 1.82 ng
RT: 7.70 min Scan# 535
Delta R.T. -0.06 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion: 79 Resp: 4999
Ion Ratio Lower Upper
79 100
108 32.4 60.6 90.8#
77 115.7 50.0 75.0#

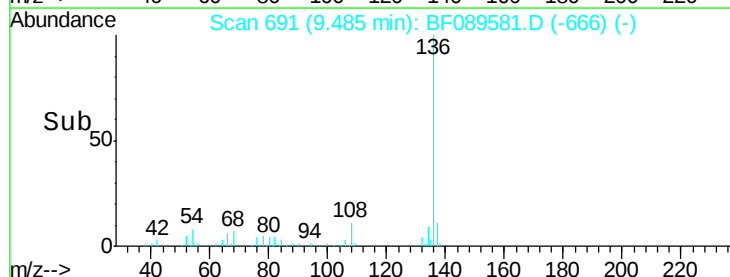
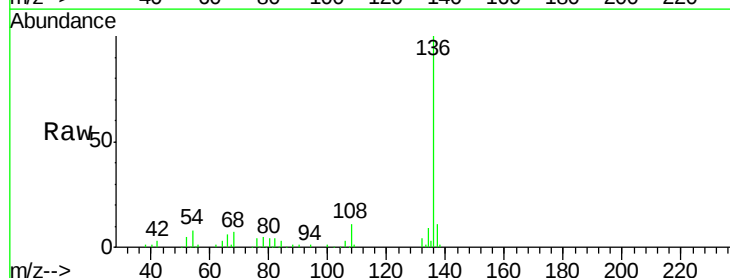
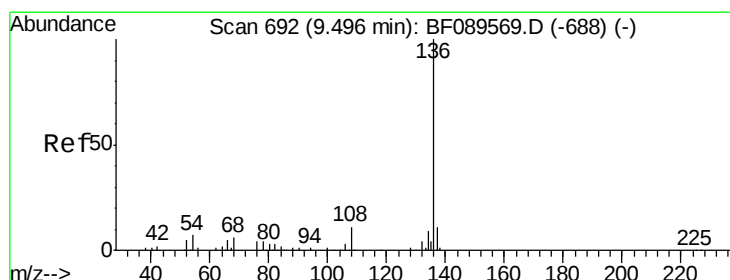
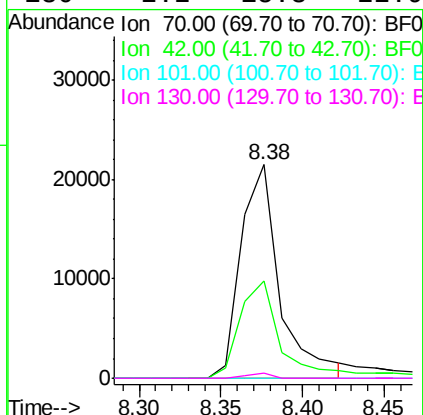




#19
n-Nitroso-di-n-propylamine
Concen: 12.01 ng
RT: 8.38 min Scan# 594
Delta R.T. 0.19 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

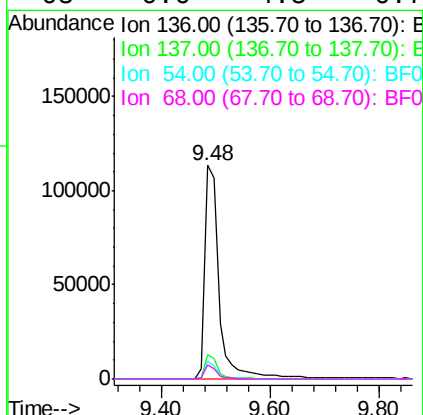
Instrument :
BNA_F
ClientSampleId :

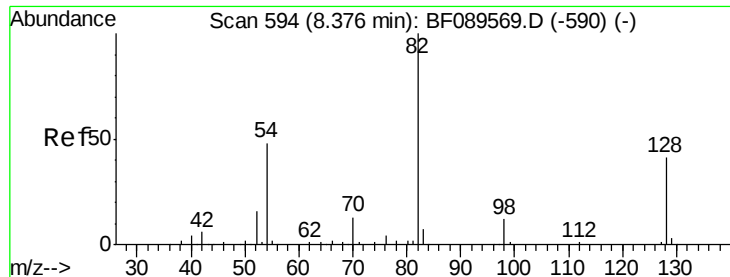
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.5	45.5	68.3#
101	0.0	7.7	11.5#
130	2.2	15.3	22.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.01 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.2	5.9	8.9
68	6.6	4.5	6.7

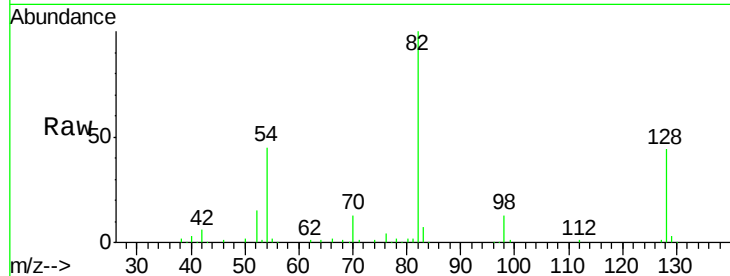




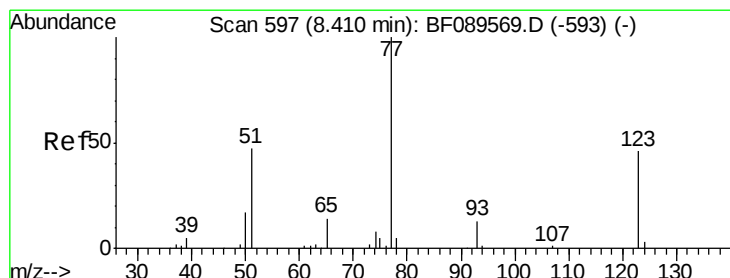
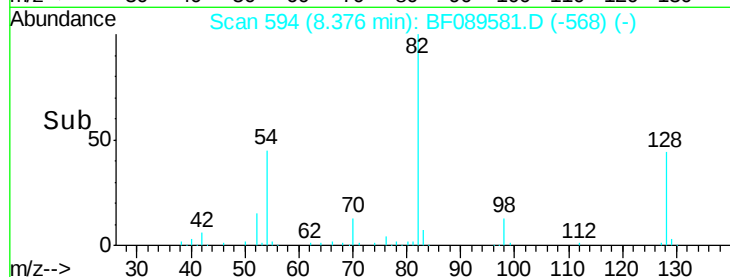
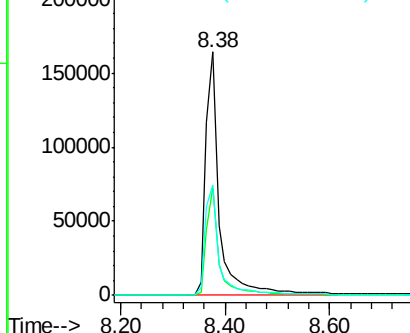
#23
Nitrobenzene-d5
Concen: 79.51 ng
RT: 8.38 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 301762
Ion Ratio Lower Upper
82 100
128 44.4 32.4 48.6
54 45.4 38.6 58.0

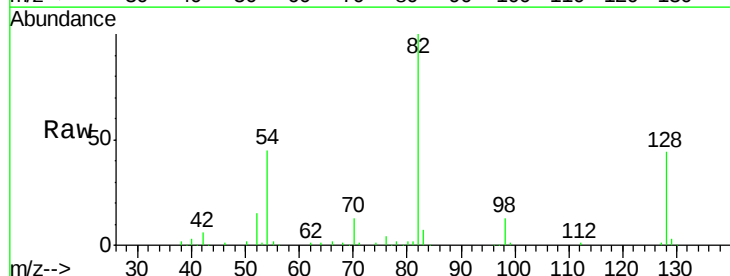


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

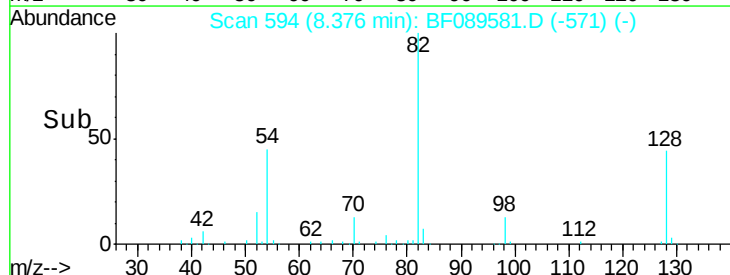
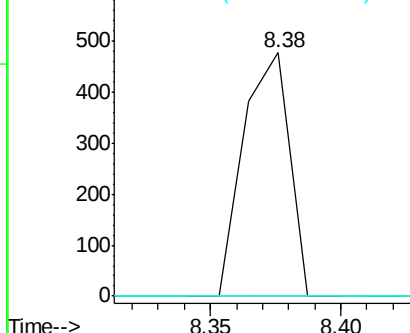


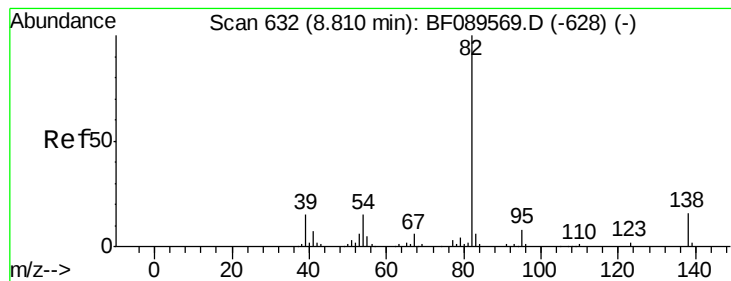
#24
Nitrobenzene
Concen: 0.15 ng
RT: 8.38 min Scan# 594
Delta R.T. -0.03 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion: 77 Resp: 590
Ion Ratio Lower Upper
77 100
123 0.0 36.2 54.2#
65 0.0 10.7 16.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): BF0
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 0.07 ng

RT: 9.04 min Scan# 652

Delta R.T. 0.23 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

ClientSampled :

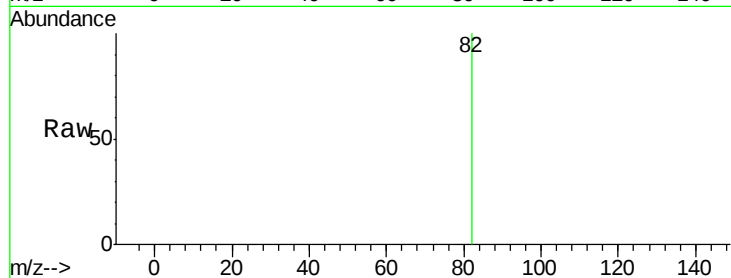
Tot Ion: 82 Resp: 476

Ion Ratio Lower Upper

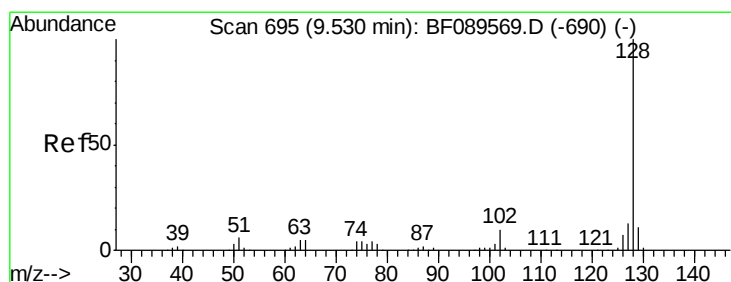
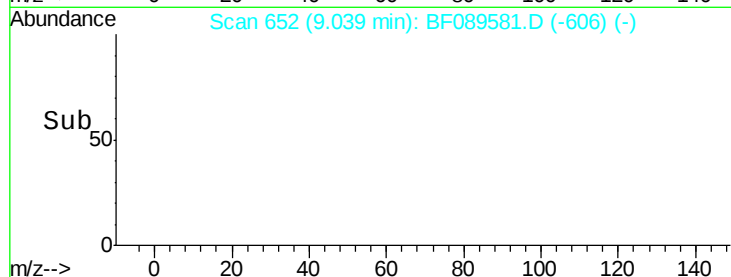
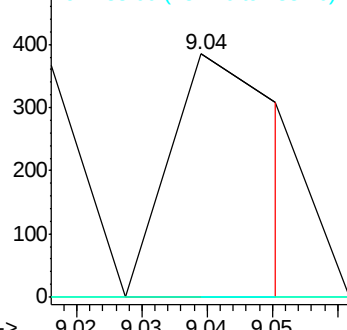
82 100

95 0.0 6.1 9.1#

138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 0.25 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

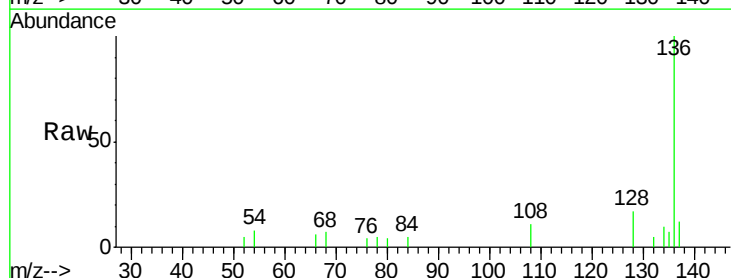
Tgt Ion: 128 Resp: 2793

Ion Ratio Lower Upper

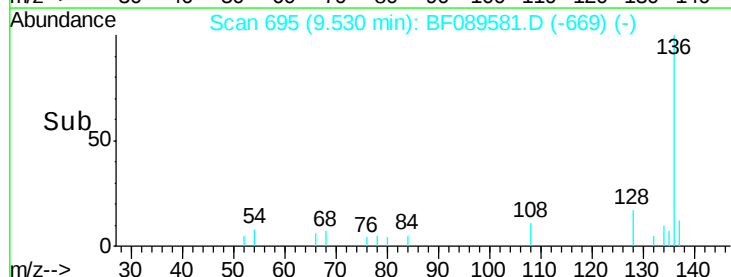
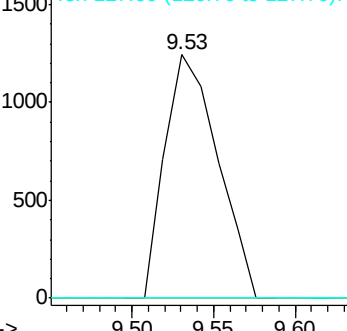
128 100

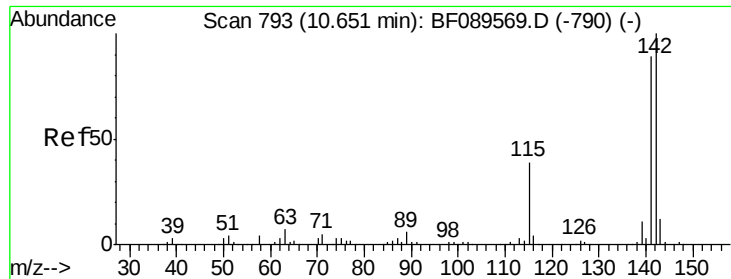
129 0.0 8.8 13.2#

127 0.0 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

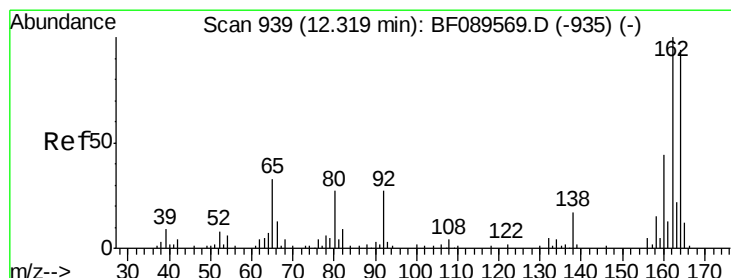
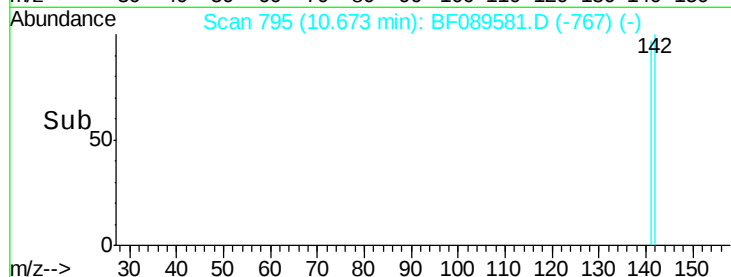
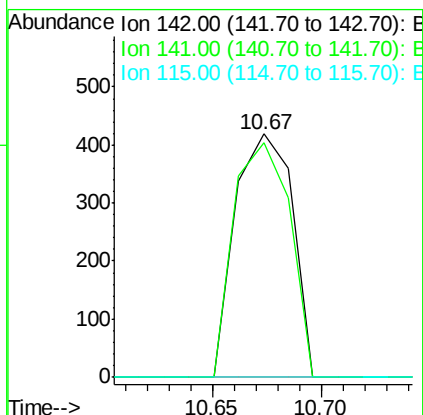
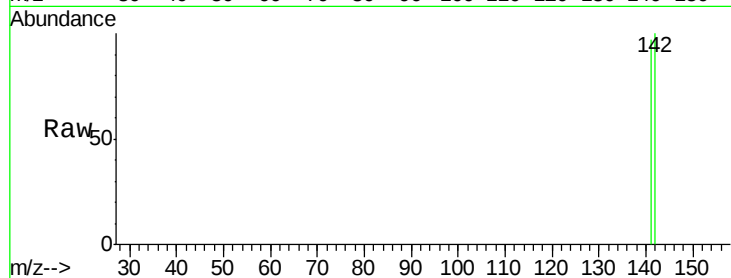




#37
2-Methylnaphthalene
Concen: 0.11 ng
RT: 10.67 min Scan# 795
Delta R.T. 0.02 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

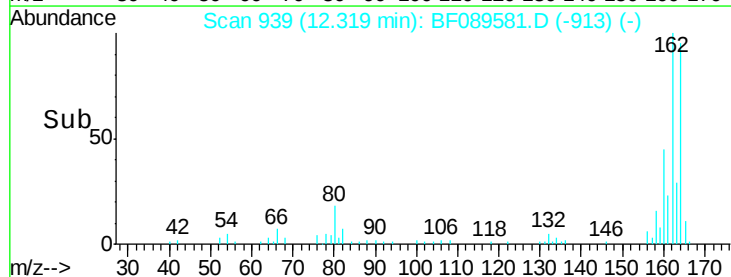
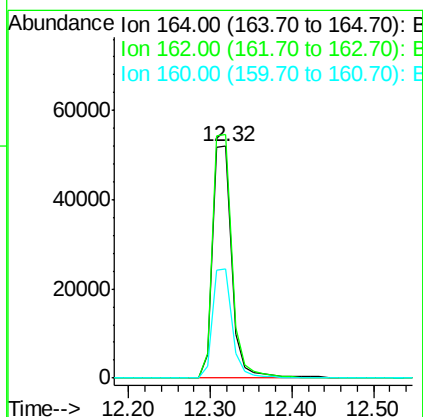
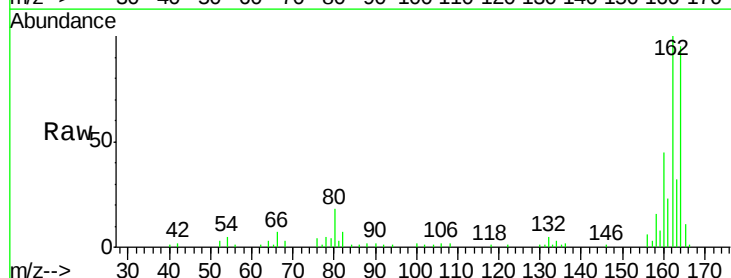
Instrument :
BNA_F
ClientSampled :

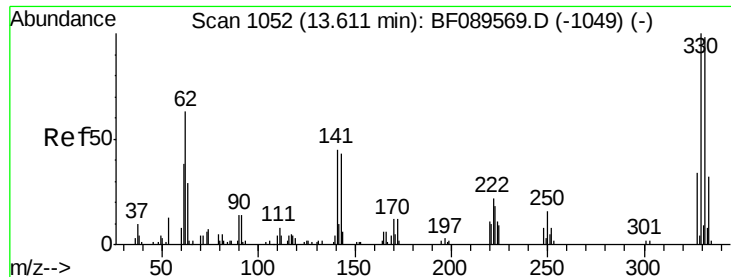
Tot Ion:142 Resp: 765
Ion Ratio Lower Upper
142 100
141 96.7 70.9 106.3
115 0.0 30.7 46.1#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.32 min Scan# 939
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion:164 Resp: 86271
Ion Ratio Lower Upper
164 100
162 105.0 85.4 128.2
160 47.1 37.3 55.9

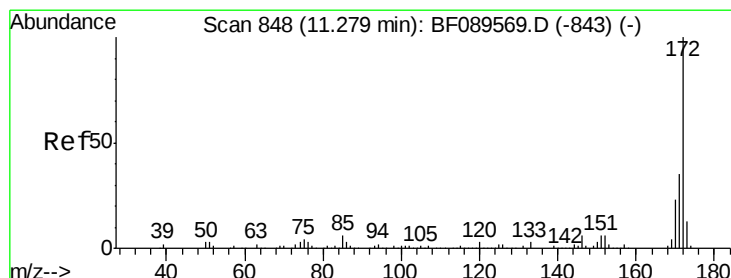
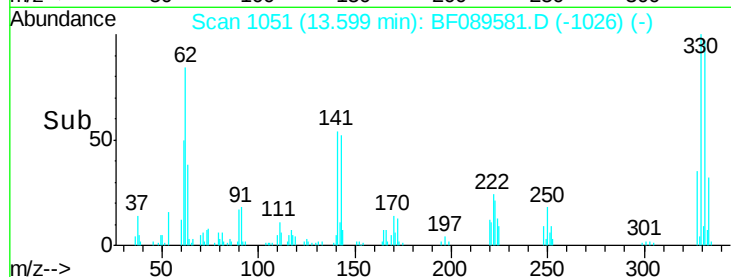
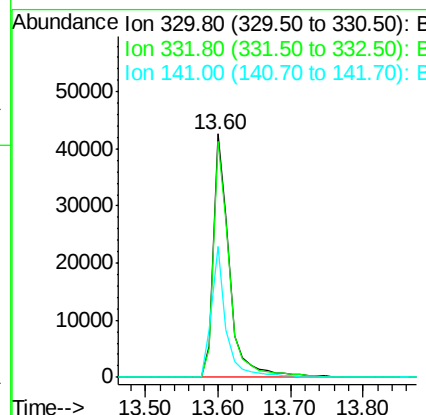
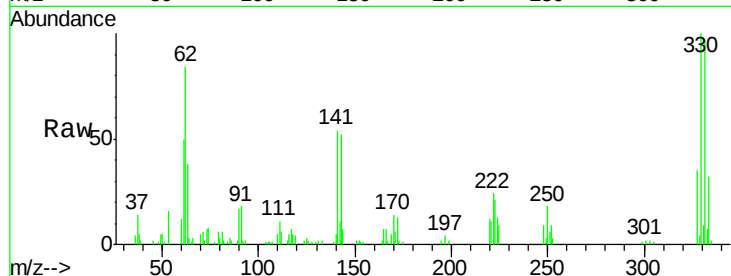




#41
 2,4,6-Tribromophenol
 Concen: 95.34 ng
 RT: 13.60 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

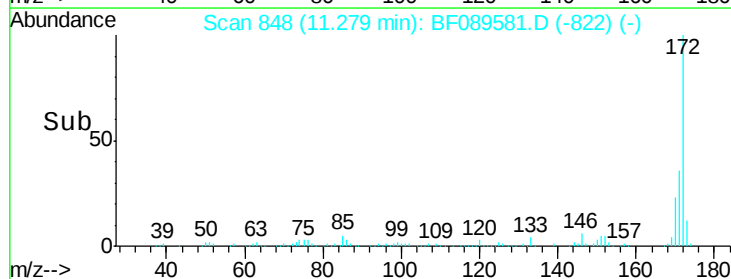
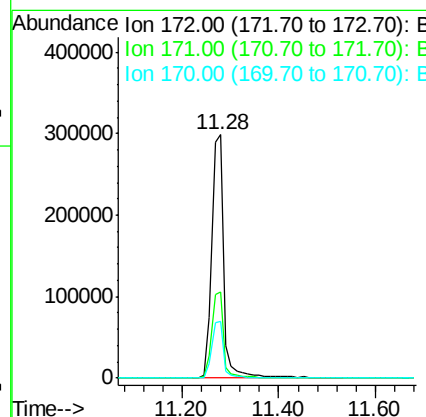
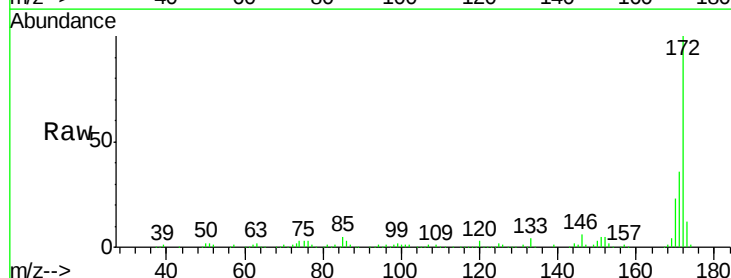
Instrument :
 BNA_F
 ClientSampleId :

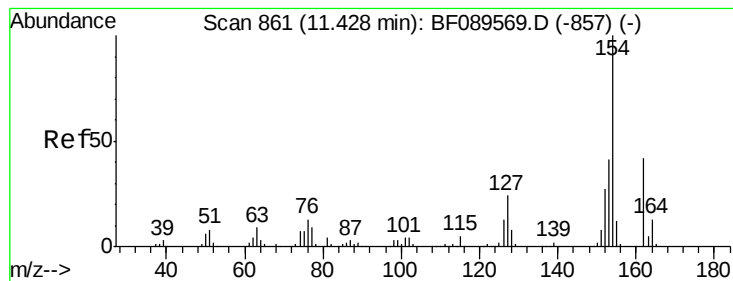
Tot Ion:330 Resp: 65331
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.7 115.1
 141 49.5 40.3 60.5



#44
 2-Fluorobiphenyl
 Concen: 79.27 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion:172 Resp: 526577
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.1 42.1
 170 23.3 18.6 28.0





#45

1,1'-Biphenyl

Concen: 0.11 ng

RT: 11.27 min Scan# 847

Delta R.T. -0.16 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

ClientSampleId :

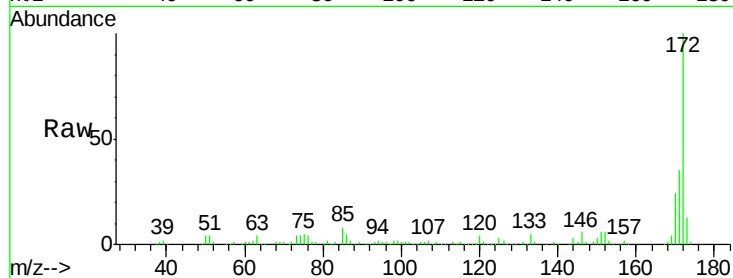
Tot Ion:154 Resp: 852

Ion Ratio Lower Upper

154 100

153 822.9 20.6 60.6#

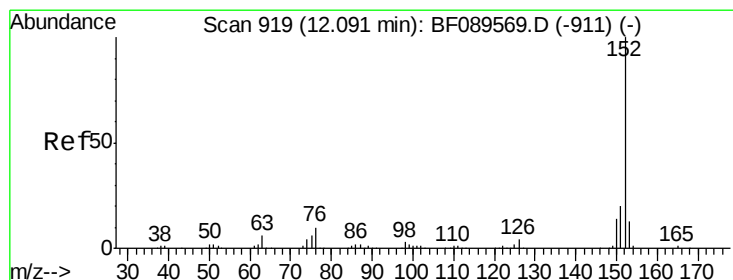
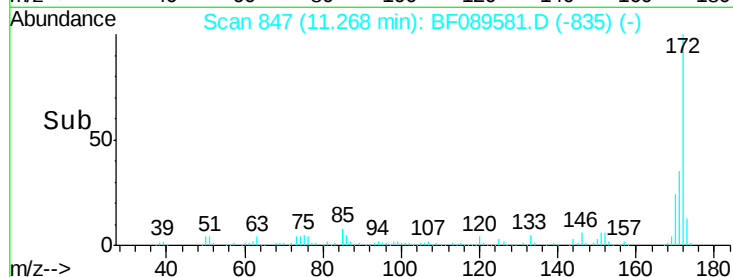
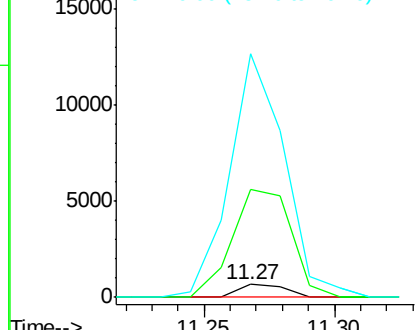
76 1866.3 0.0 33.3#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 0.31 ng

RT: 12.09 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

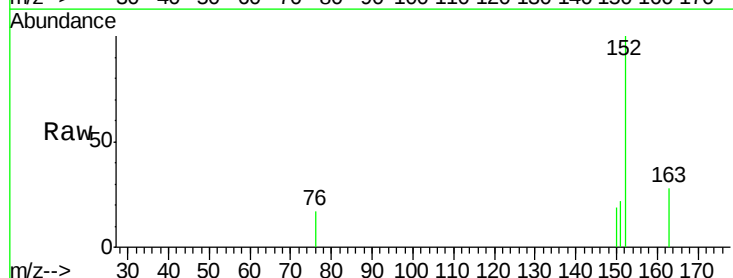
Tgt Ion:152 Resp: 2981

Ion Ratio Lower Upper

152 100

151 21.7 16.3 24.5

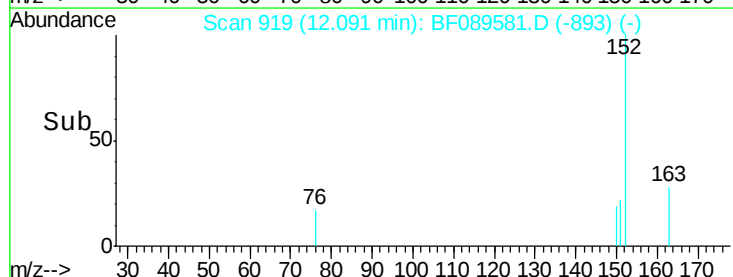
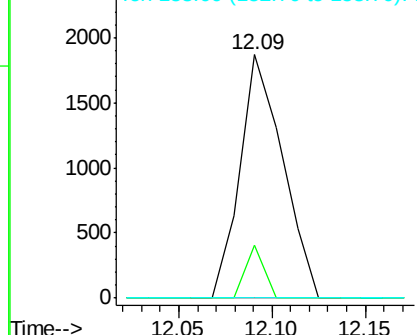
153 0.0 10.6 15.8#

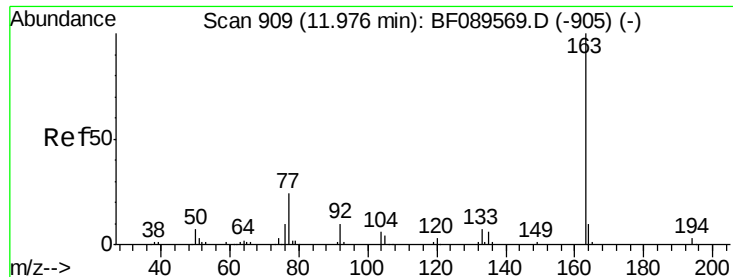


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

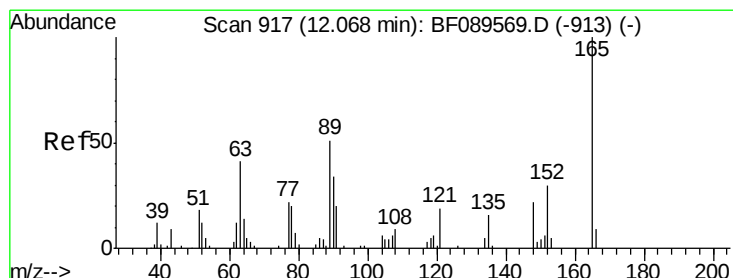
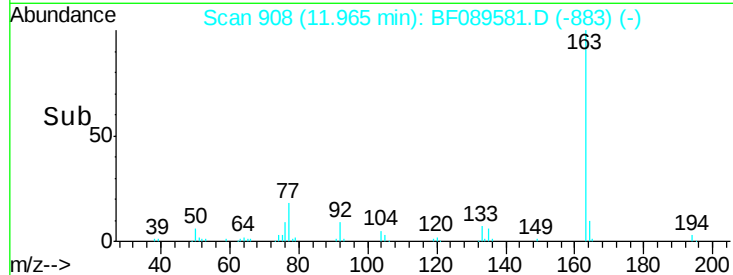
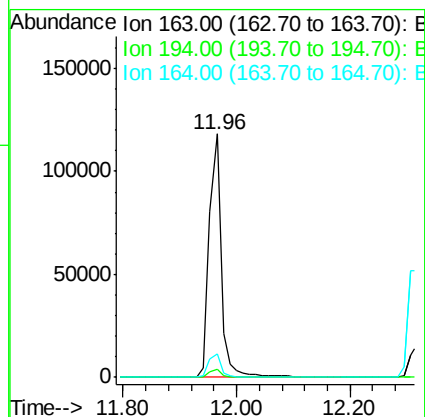
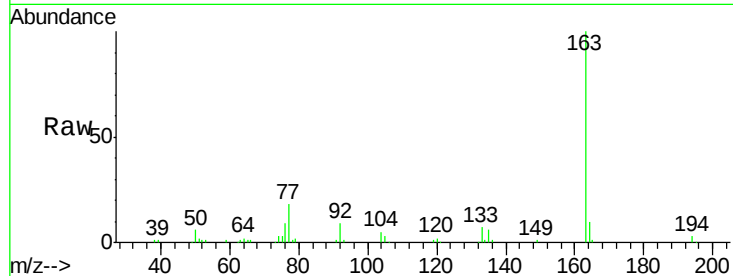




#49
Dimethylphthalate
Concen: 25.40 ng
RT: 11.96 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

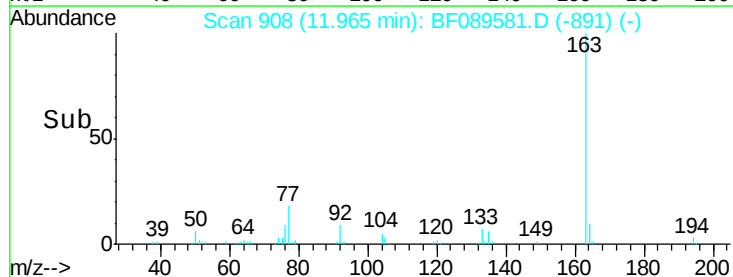
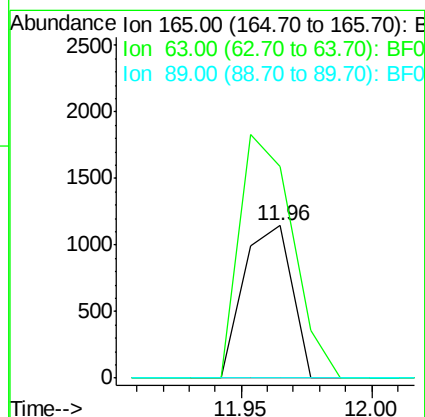
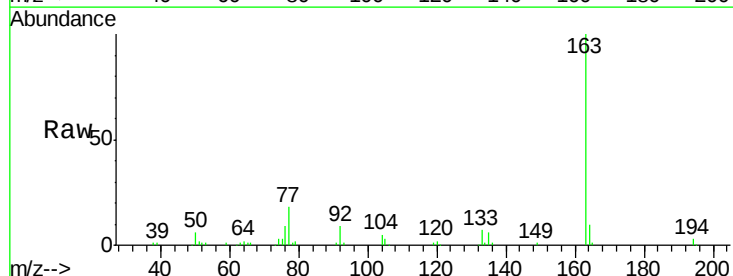
Instrument :
BNA_F
ClientSampleId :

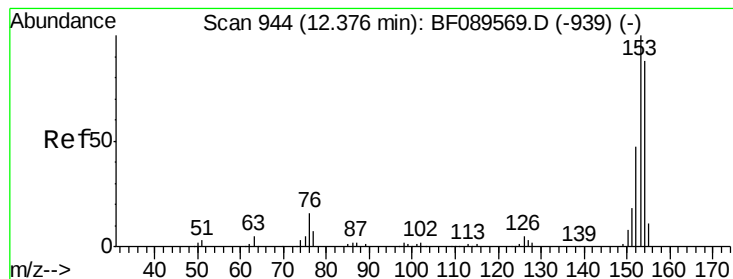
Tot Ion:163 Resp: 167871
Ion Ratio Lower Upper
163 100
194 3.3 2.4 3.6
164 9.6 8.2 12.4



#50
2,6-Dinitrotoluene
Concen: 1.11 ng
RT: 11.96 min Scan# 908
Delta R.T. -0.10 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion:165 Resp: 1467
Ion Ratio Lower Upper
165 100
63 139.2 40.2 60.4#
89 0.0 40.6 61.0#





#51

Acenaphthene

Concen: 1.36 ng

RT: 12.37 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

ClientSampleId :

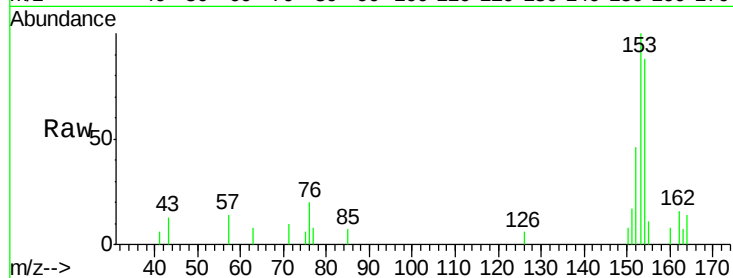
Tot Ion:154 Resp: 7578

Ion Ratio Lower Upper

154 100

153 114.0 91.2 136.8

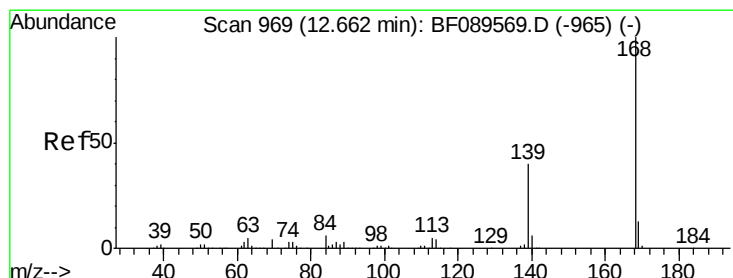
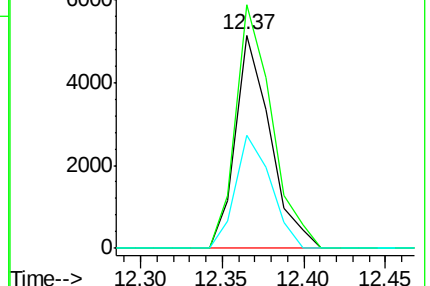
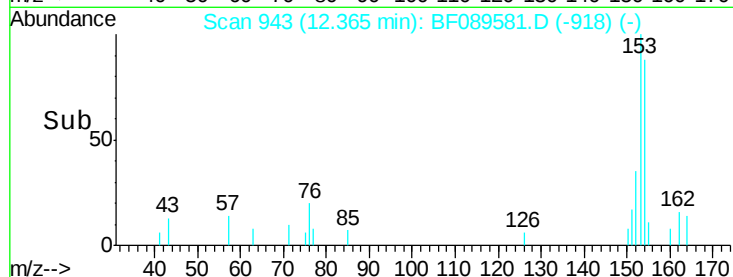
152 52.7 43.1 64.7



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

Dibenzofuran

Concen: 0.36 ng

RT: 12.67 min Scan# 970

Delta R.T. 0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

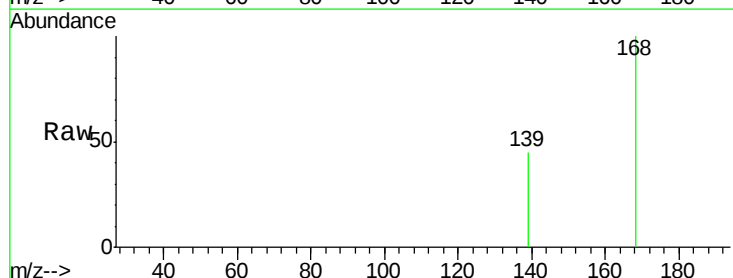
Tgt Ion:168 Resp: 2707

Ion Ratio Lower Upper

168 100

139 44.6 31.8 47.8

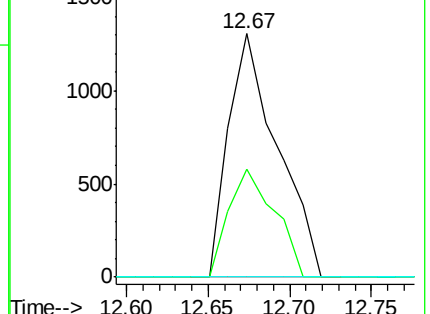
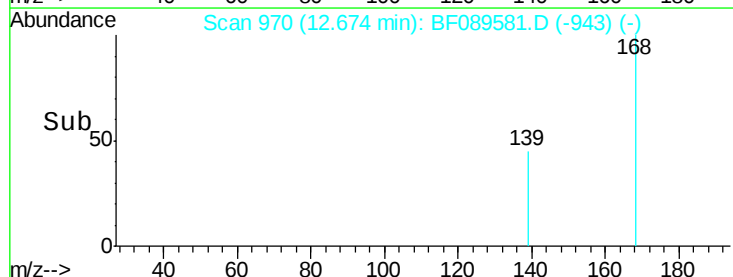
169 0.0 10.6 16.0#

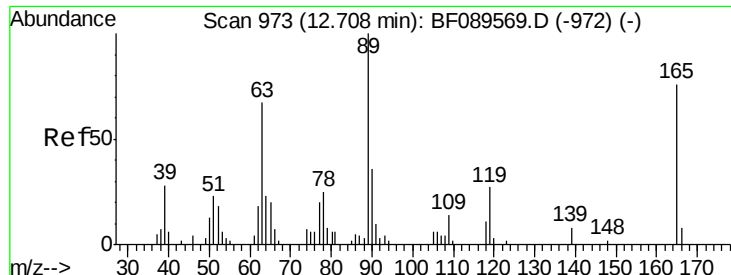


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

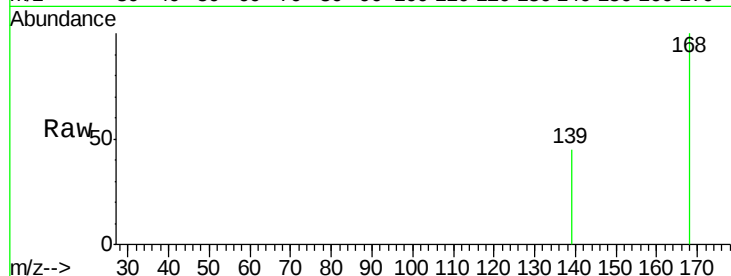




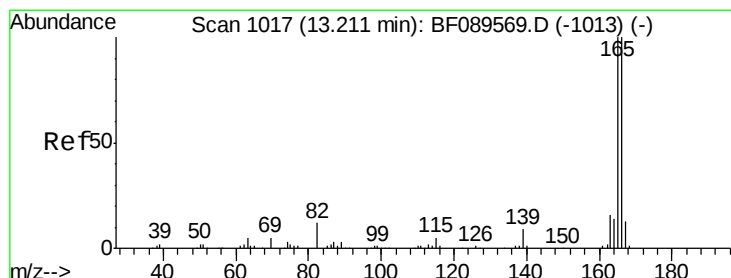
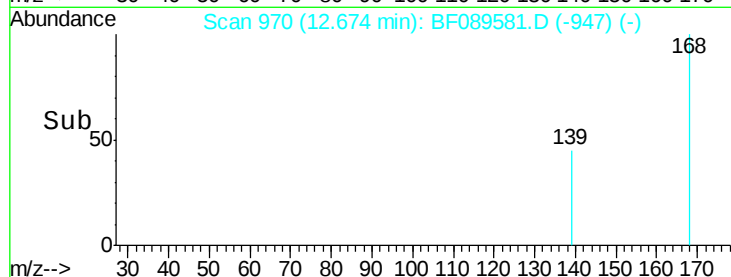
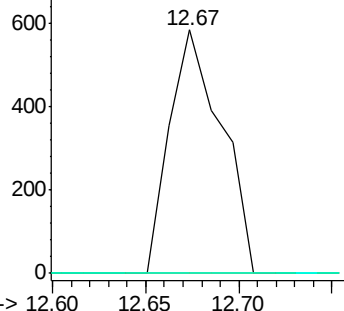
#55
4-Nitrophenol
Concen: 1.33 ng
RT: 12.67 min Scan# 970
Delta R.T. -0.03 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1126
Ion Ratio Lower Upper
139 100
109 0.0 35.2 75.2#
65 0.0 66.4 106.4#

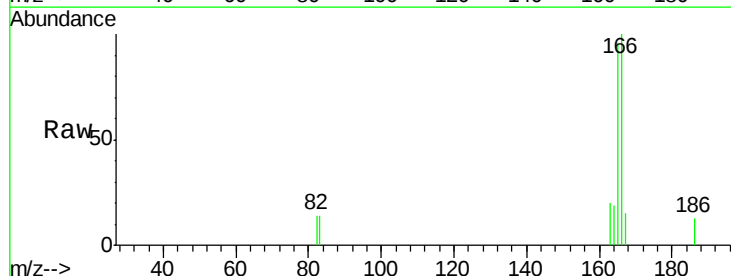


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): E

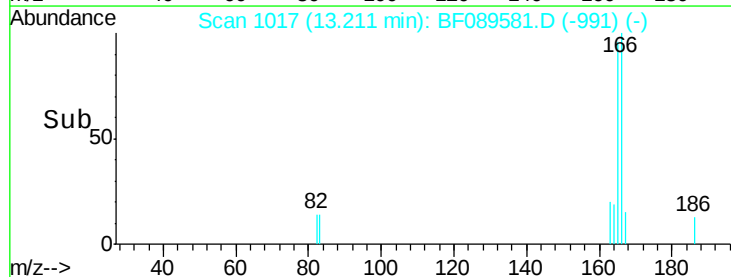
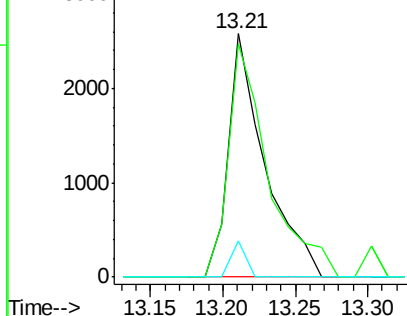


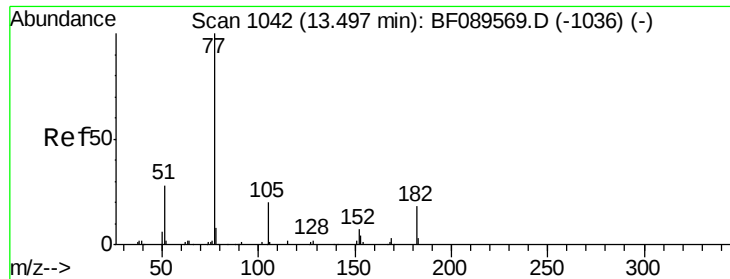
#57
Fluorene
Concen: 0.70 ng
RT: 13.21 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion:166 Resp: 4504
Ion Ratio Lower Upper
166 100
165 96.0 80.2 120.2
167 14.7 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





#62

Azobenzene

Concen: 0.04 ng

RT: 13.60 min Scan# 1051

Delta R.T. 0.10 min

Lab File: BF089581.D

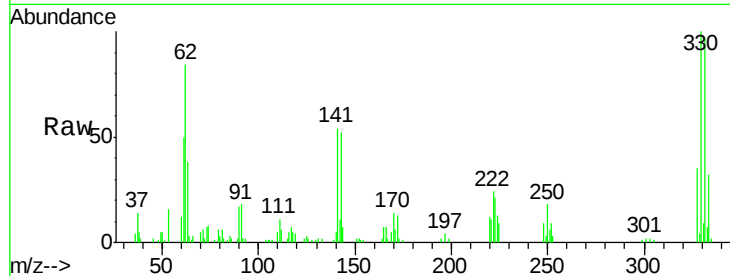
Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	77	Resp:	302
Ion	Ratio	Lower	Upper
77	100		
182	0.0	0.0	38.0
105	89.6	0.6	40.6#
51	80.7	9.1	49.1#

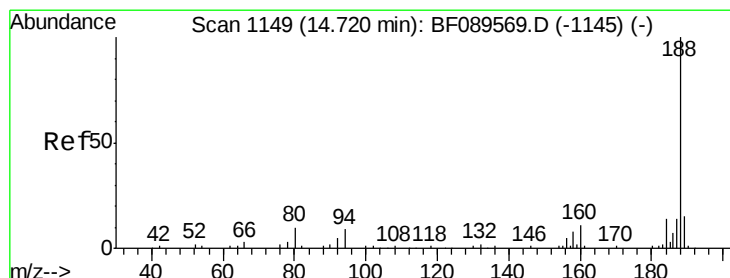
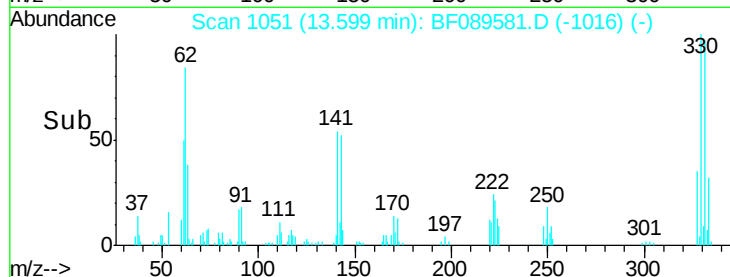
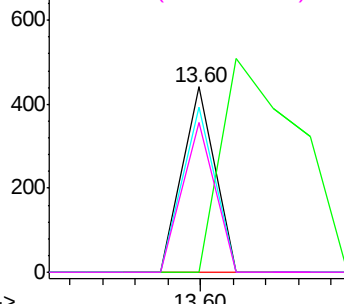


Abundance Ion 77.00 (76.70 to 77.70): BF0

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

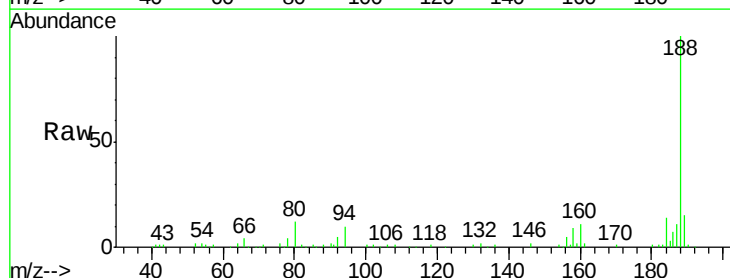
RT: 14.71 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

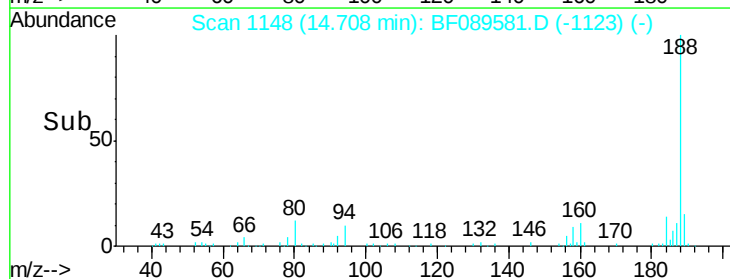
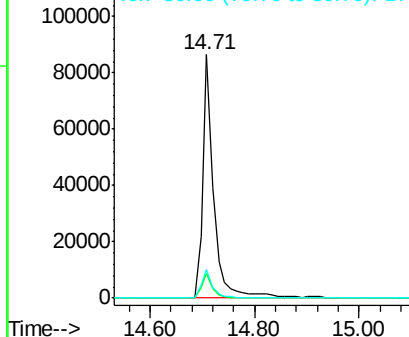
Tgt Ion:	188	Resp:	126988
Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.0	10.4
80	11.5	7.7	11.5

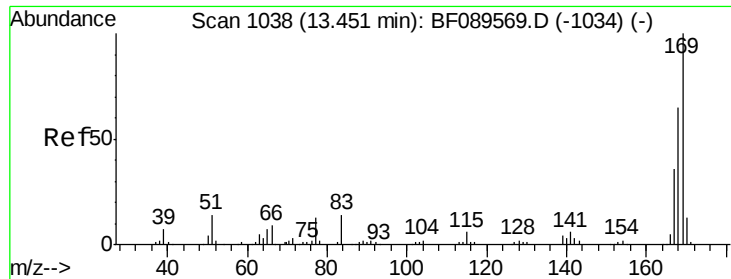


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

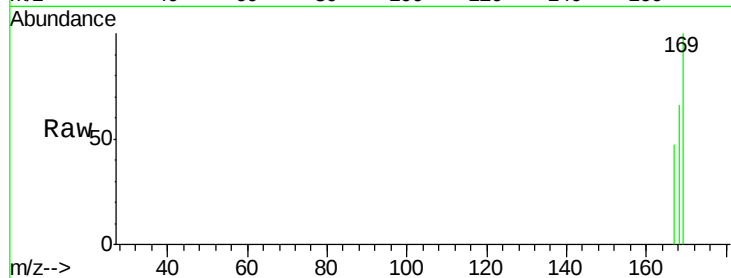




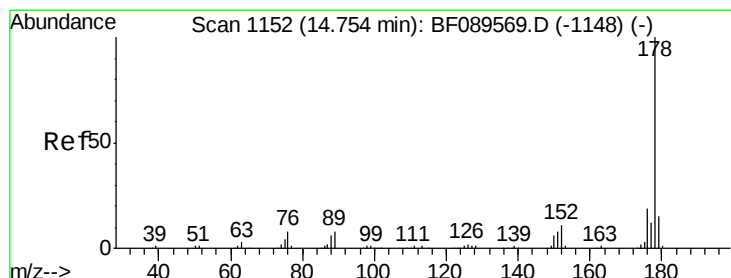
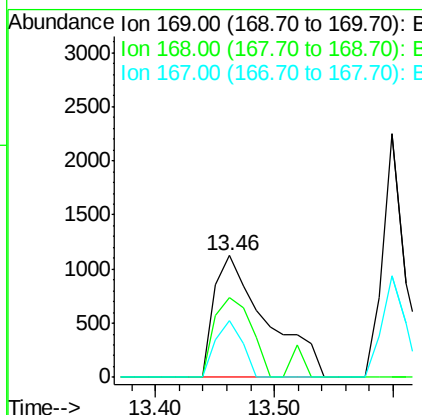
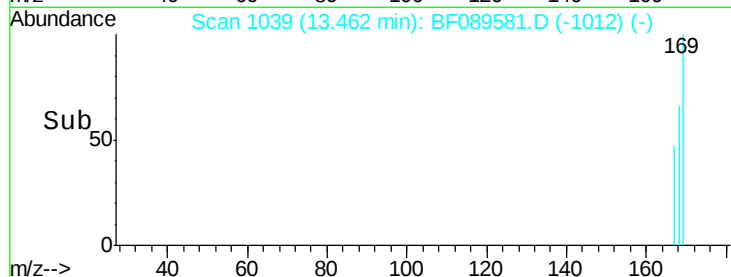
#65
 n-Nitrosodiphenylamine
 Concen: 0.79 ng
 RT: 13.46 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:169 Resp: 3433
 Ion Ratio Lower Upper
 169 100
 168 65.9 53.0 79.4
 167 46.8 29.1 43.7#

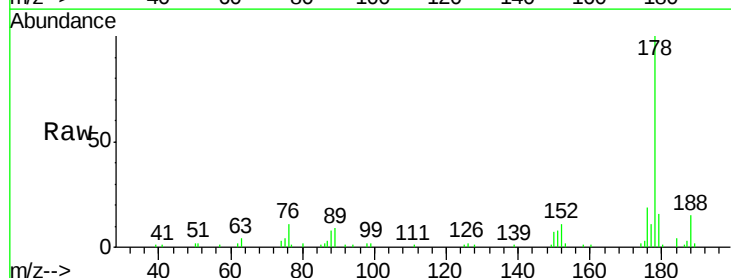


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

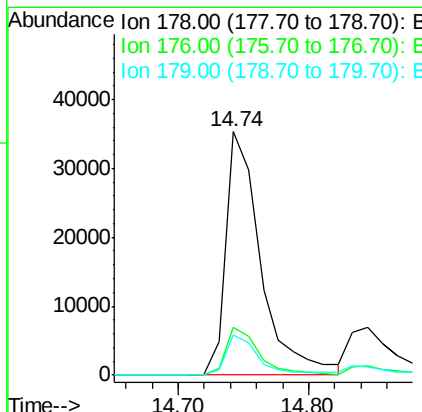
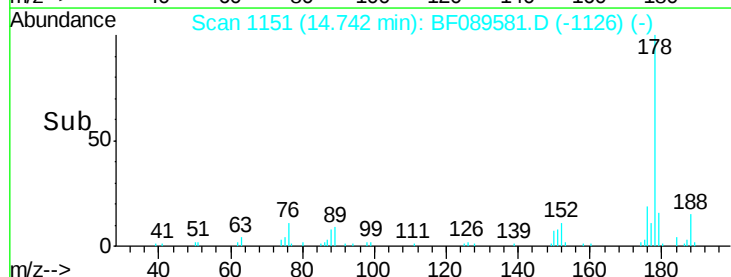


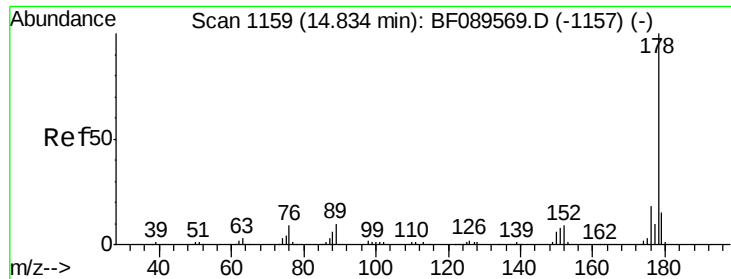
#70
 Phenanthrene
 Concen: 9.73 ng
 RT: 14.74 min Scan# 1151
 Delta R.T. -0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion:178 Resp: 66001
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.2 22.8
 179 16.3 12.2 18.4



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

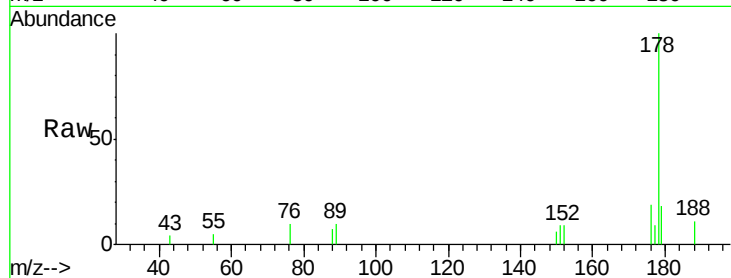




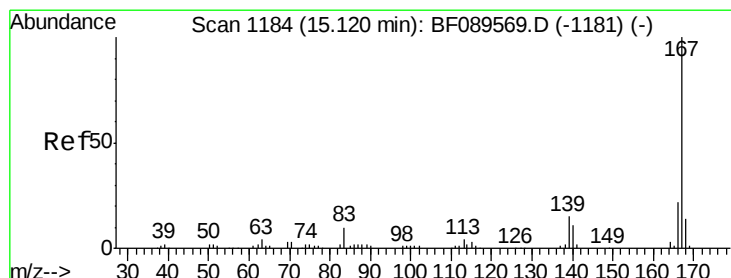
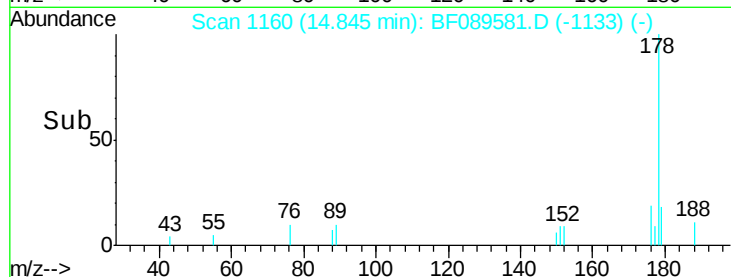
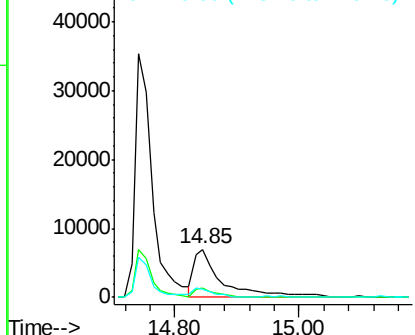
#71
 Anthracene
 Concen: 2.96 ng
 RT: 14.85 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 21925
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.7 22.1
 179 18.2 12.2 18.2

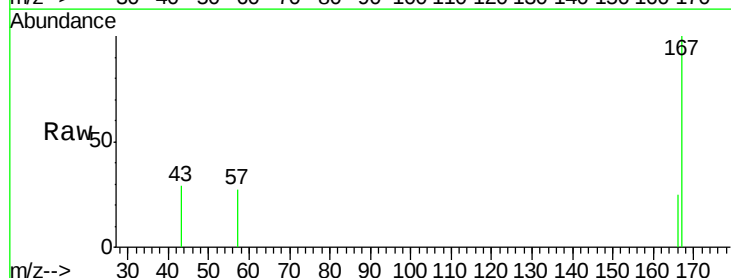


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

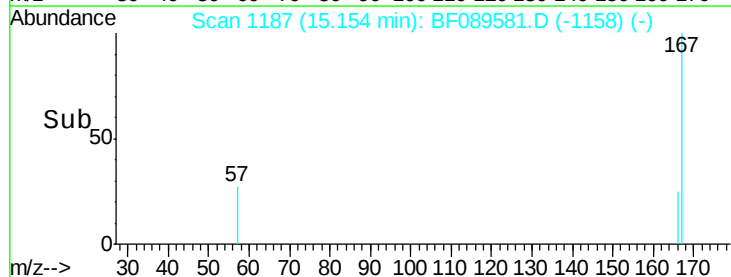
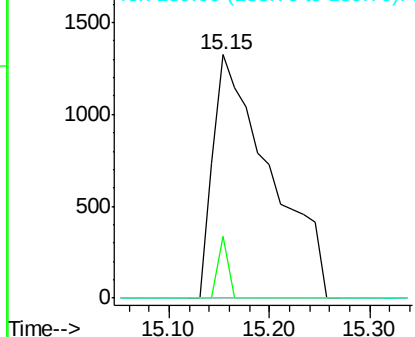


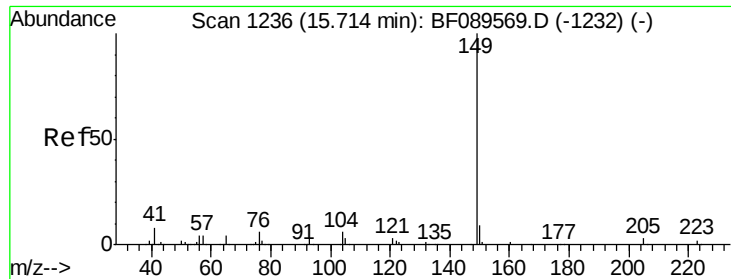
#72
 Carbazole
 Concen: 0.87 ng
 RT: 15.15 min Scan# 1187
 Delta R.T. 0.03 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion:167 Resp: 5232
 Ion Ratio Lower Upper
 167 100
 166 25.4 17.5 26.3
 139 0.0 11.8 17.6#



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

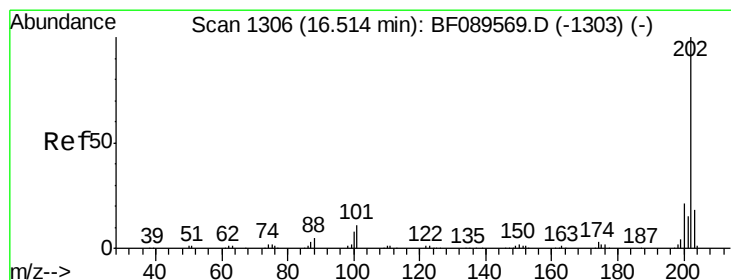
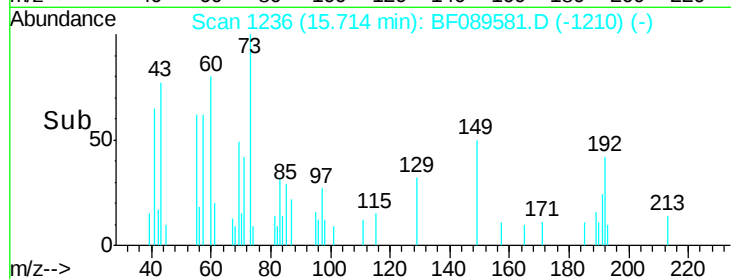
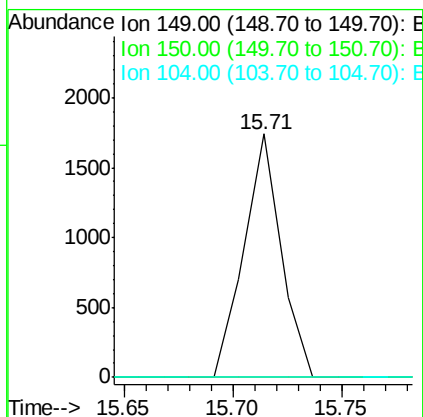
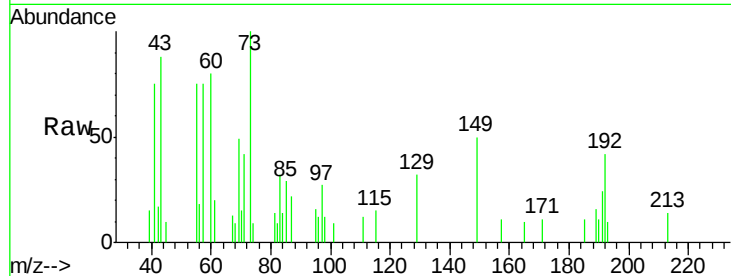




#73
Di-n-butylphthalate
Concen: 0.27 ng
RT: 15.71 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

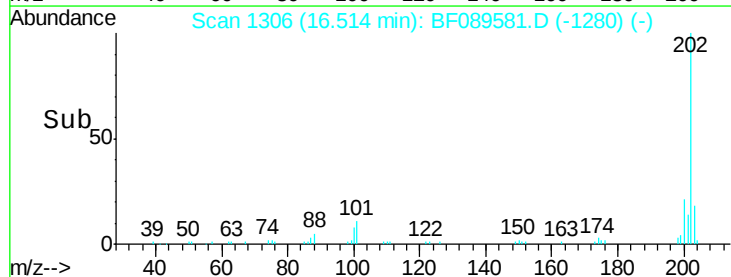
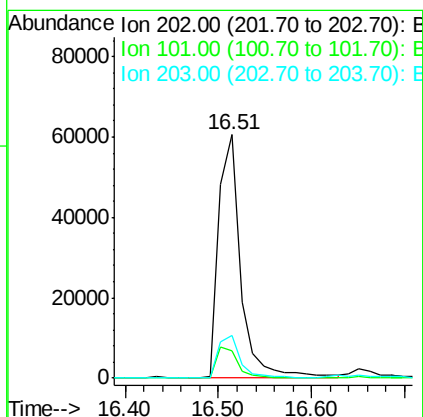
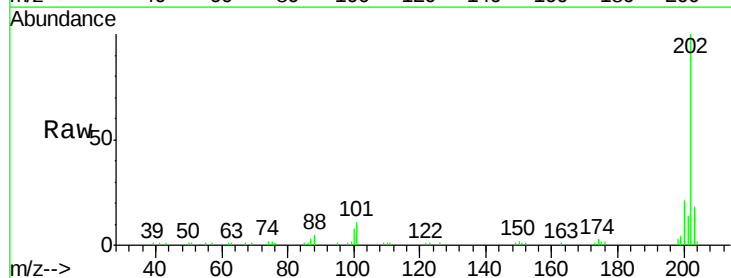
Instrument :
BNA_F
ClientSampleId :

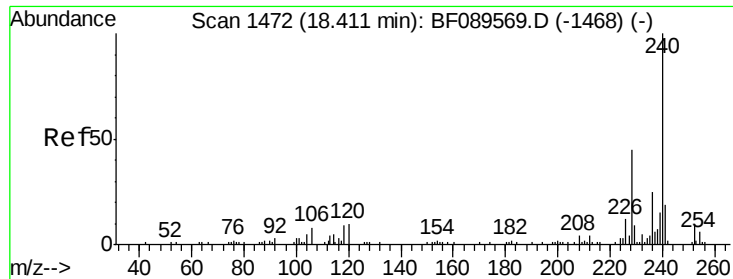
Tot Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.4	11.0#
104	0.0	4.6	7.0#



#74
Fluoranthene
Concen: 14.55 ng
RT: 16.51 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.0
203	17.7	0.0	37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.40 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

ClientSampleId :

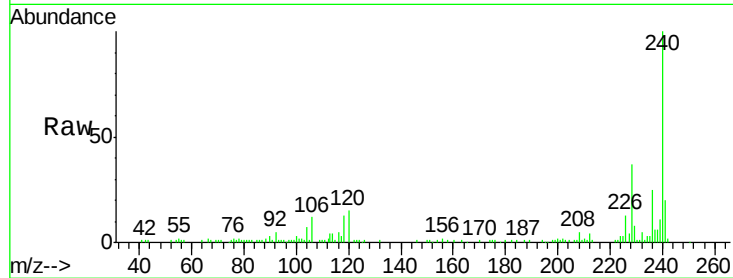
Tot Ion:240 Resp: 108857

Ion Ratio Lower Upper

240 100

120 15.4 8.2 12.2#

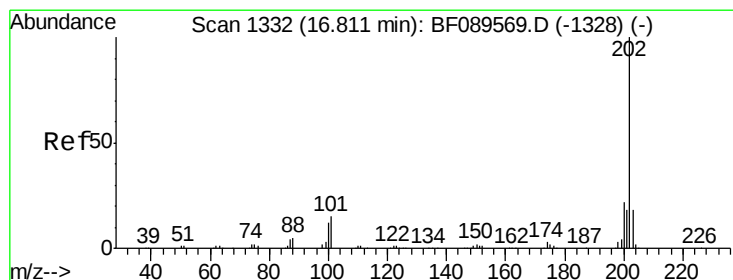
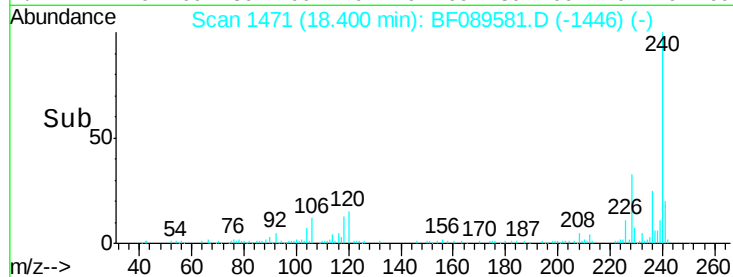
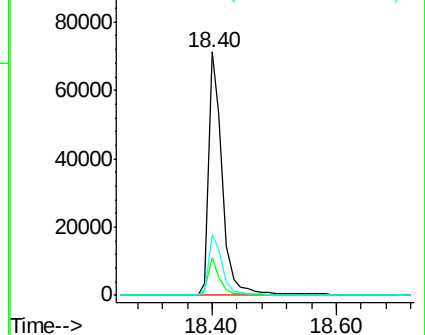
236 24.7 20.3 30.5



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

Pyrene

Concen: 9.75 ng

RT: 16.81 min Scan# 1332

Delta R.T. -0.00 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

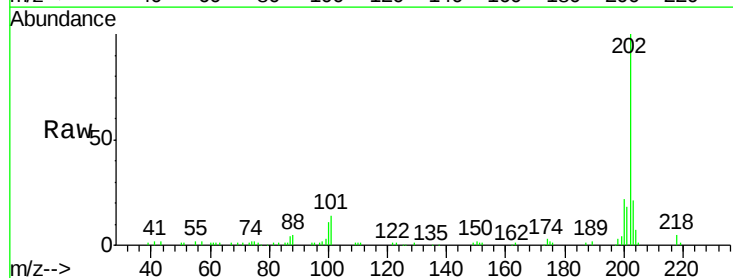
Tgt Ion:202 Resp: 94333

Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

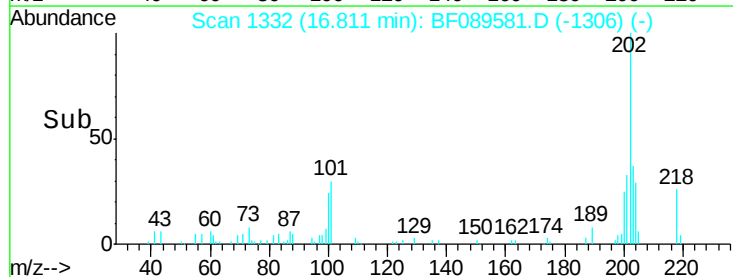
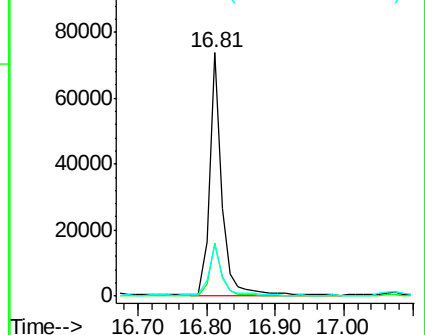
203 21.2 14.2 21.2

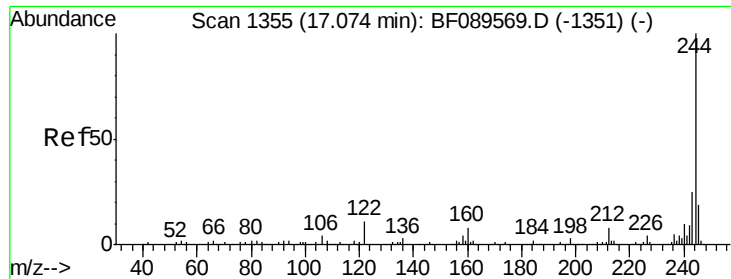


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

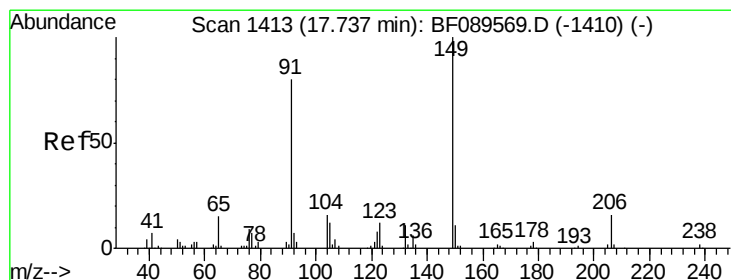
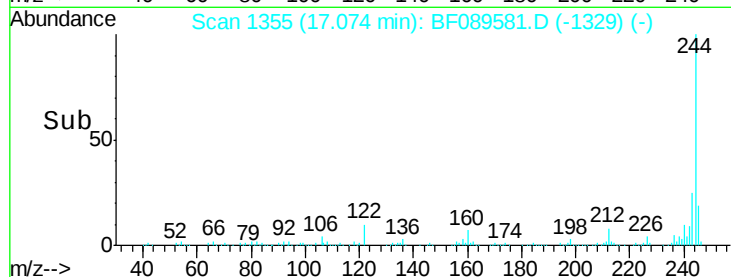
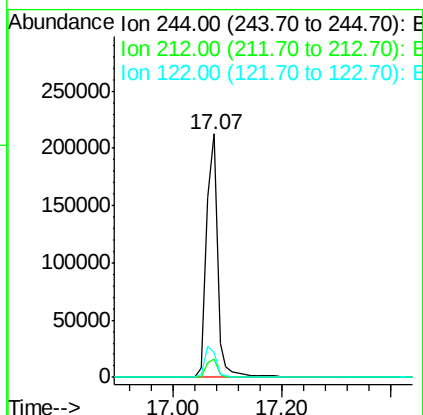
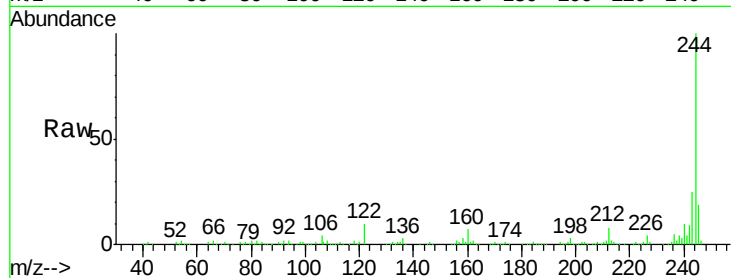




#78
 Terphenyl-d14
 Concen: 55.55 ng
 RT: 17.07 min Scan# 1355
 Delta R.T. -0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

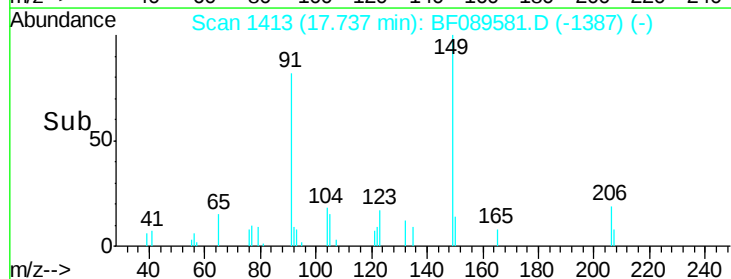
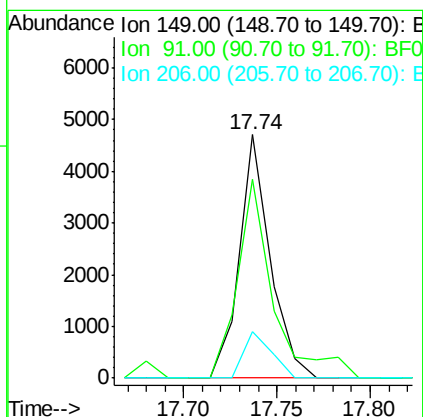
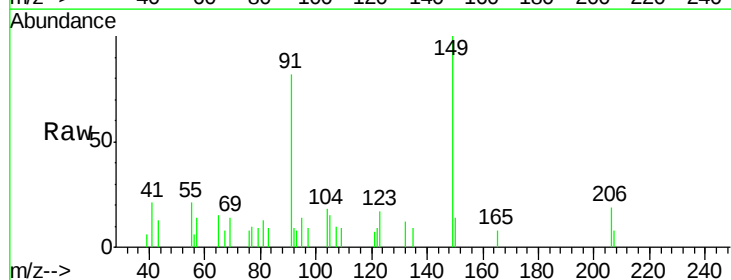
Instrument :
 BNA_F
 ClientSampleId :

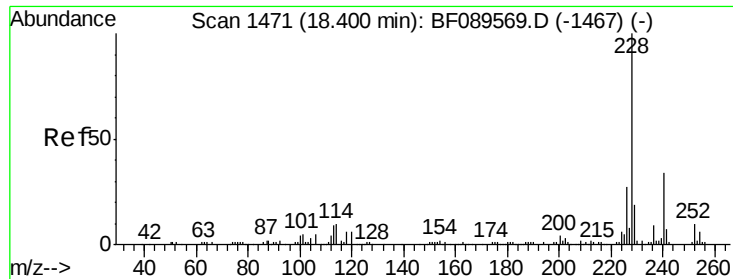
Tot Ion:244 Resp: 301367
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 10.4 8.5 12.7



#79
 Butylbenzylphthalate
 Concen: 1.50 ng
 RT: 17.74 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion:149 Resp: 5443
 Ion Ratio Lower Upper
 149 100
 91 81.5 63.6 95.4
 206 19.3 12.8 19.2#

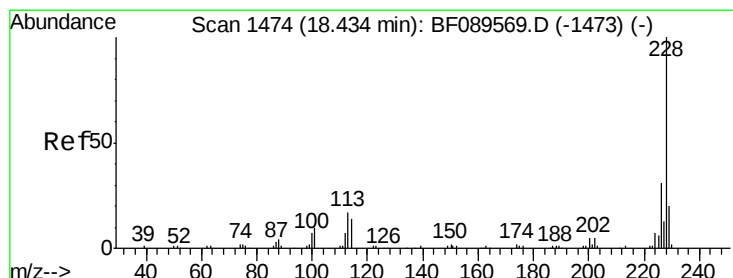
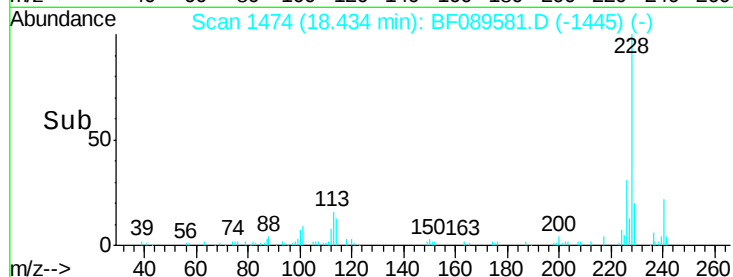
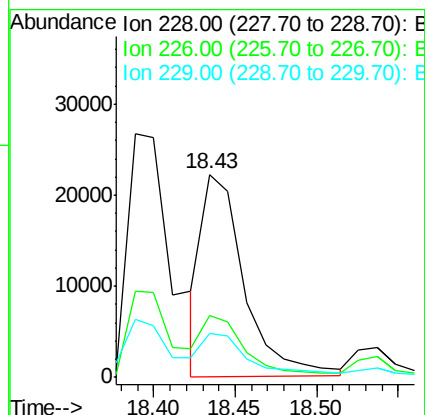
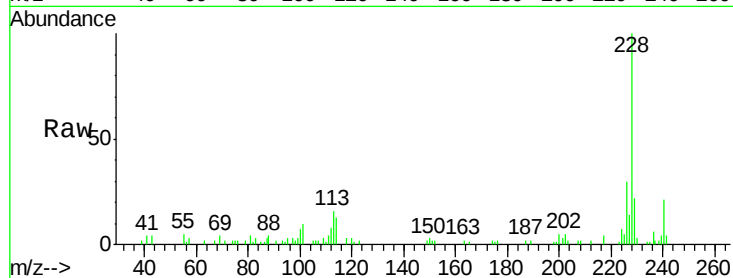




#80
Benzo(a)anthracene
Concen: 6.34 ng
RT: 18.43 min Scan# 1474
Delta R.T. 0.03 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

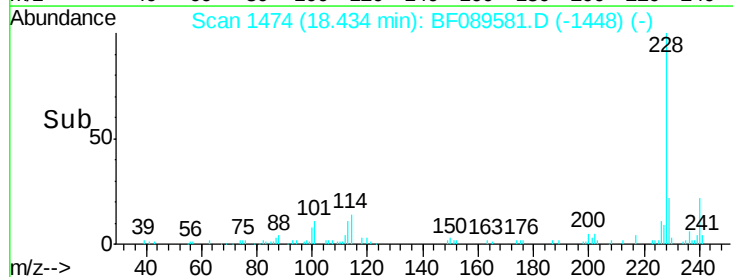
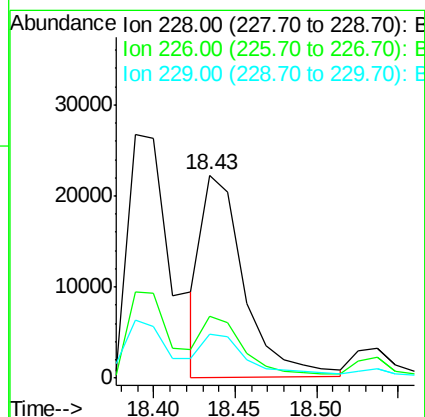
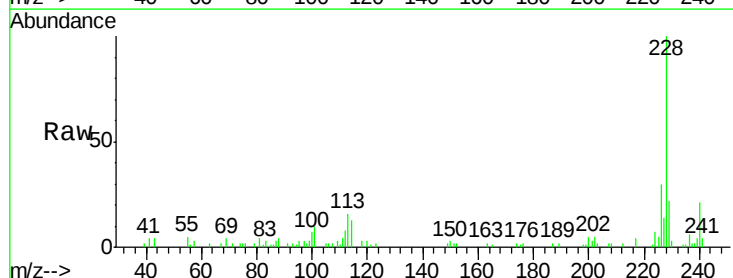
Instrument :
BNA_F
ClientSampleId :

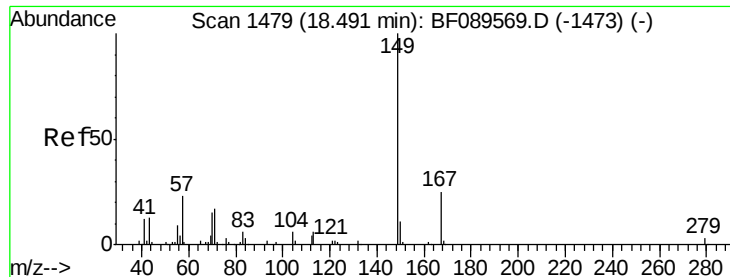
Tot Ion:228 Resp: 40200
Ion Ratio Lower Upper
228 100
226 30.3 21.5 32.3
229 21.7 15.1 22.7



#82
Chrysene
Concen: 6.15 ng
RT: 18.43 min Scan# 1474
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion:228 Resp: 40200
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 21.7 15.7 23.5

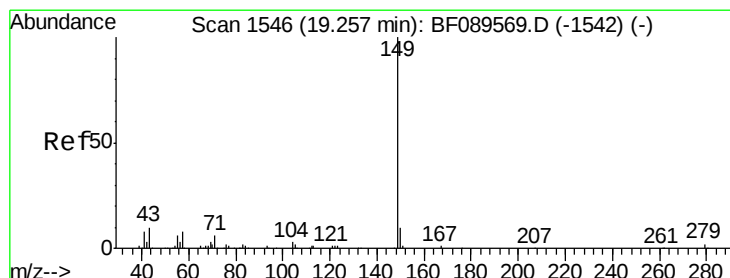
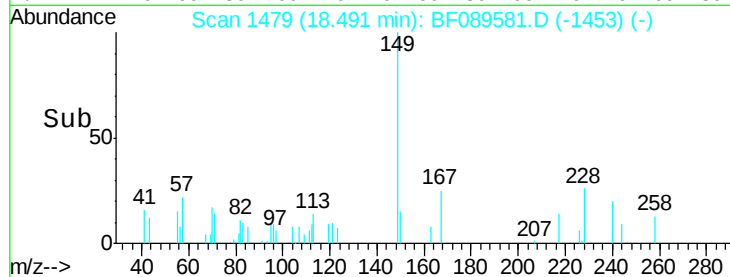
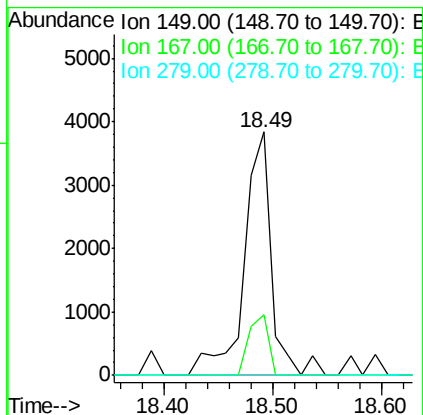
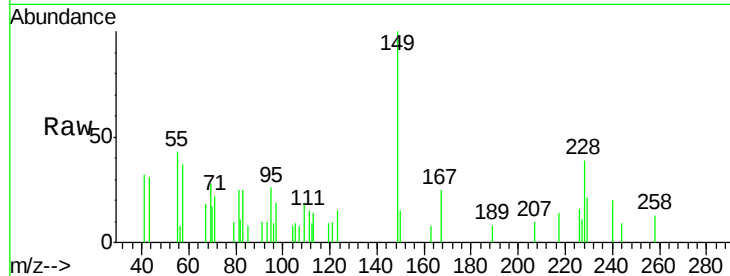




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.38 ng
 RT: 18.49 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

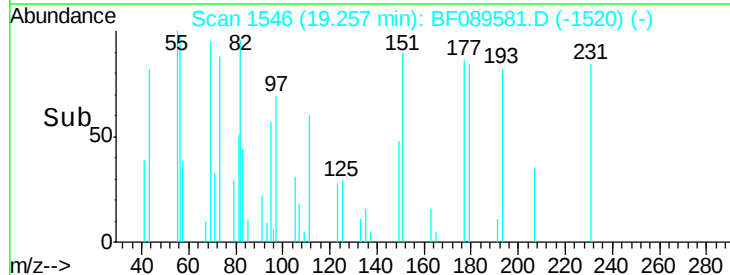
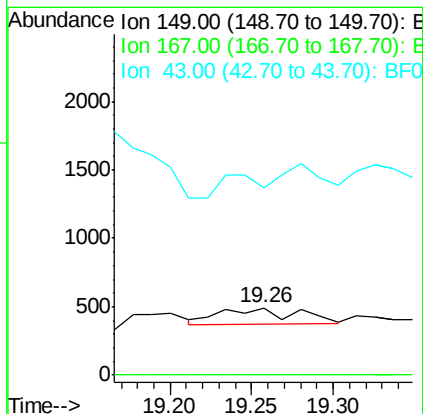
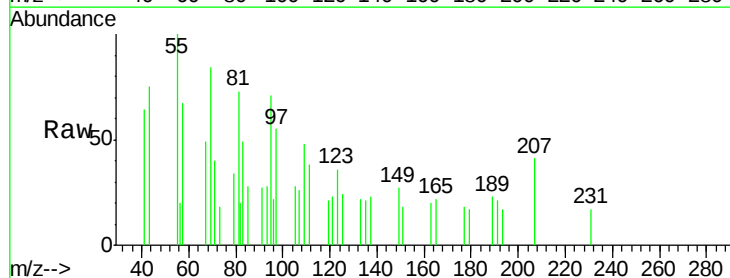
Instrument :
 BNA_F
 ClientSampled :

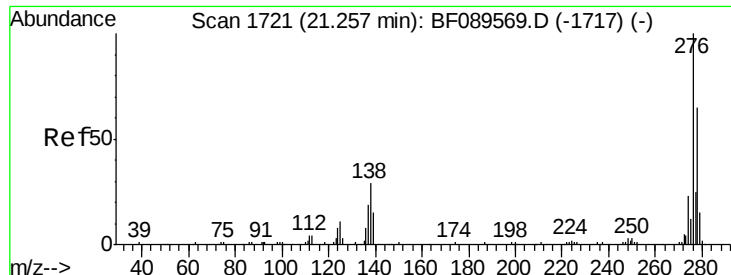
Tot Ion:149 Resp: 6744
 Ion Ratio Lower Upper
 149 100
 167 24.8 19.7 29.5
 279 0.0 2.3 3.5#



#84
 Di-n-octyl phthalate
 Concen: 0.05 ng
 RT: 19.26 min Scan# 1546
 Delta R.T. 0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion:149 Resp: 399
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.1 1.7#
 43 71.9 7.3 10.9#

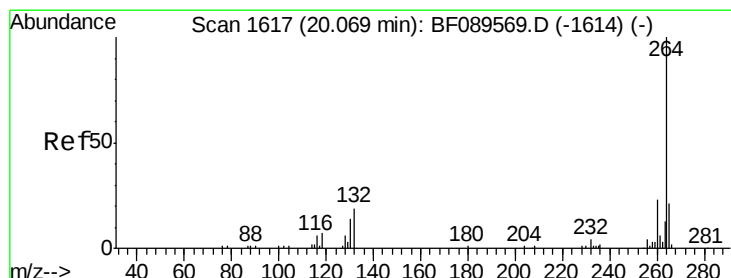
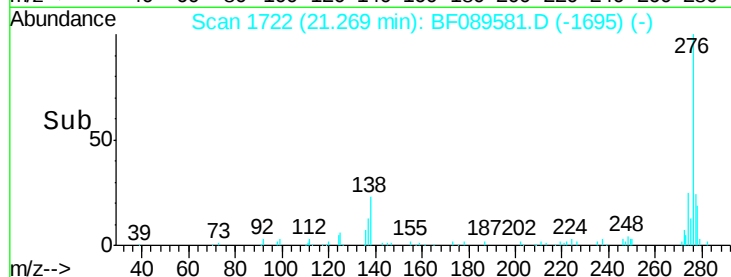
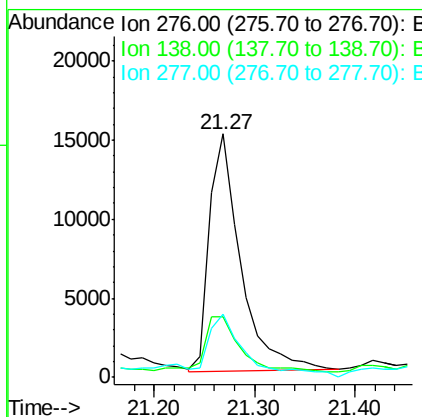
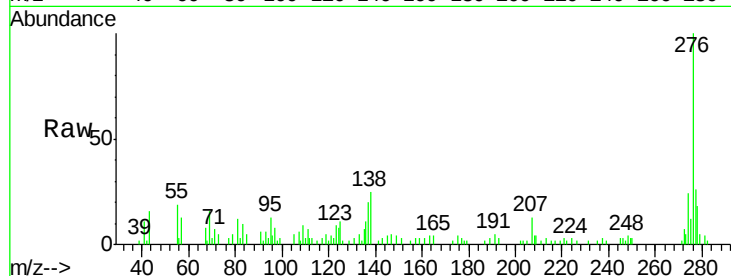




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.56 ng
 RT: 21.27 min Scan# 1722
 Delta R.T. 0.01 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

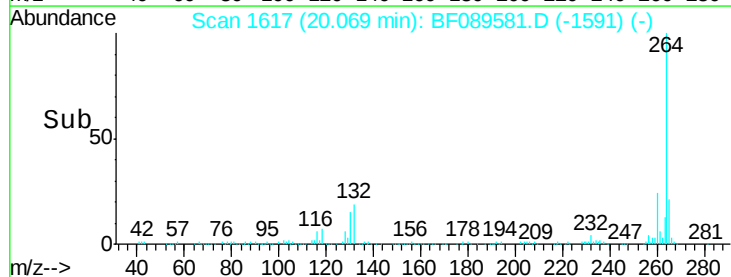
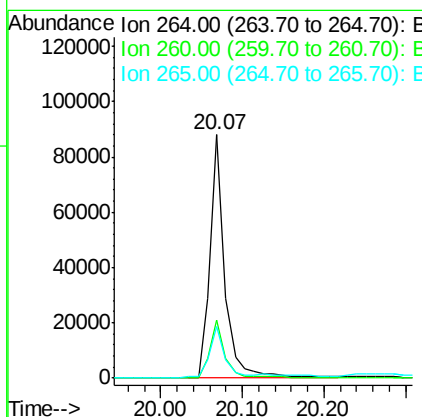
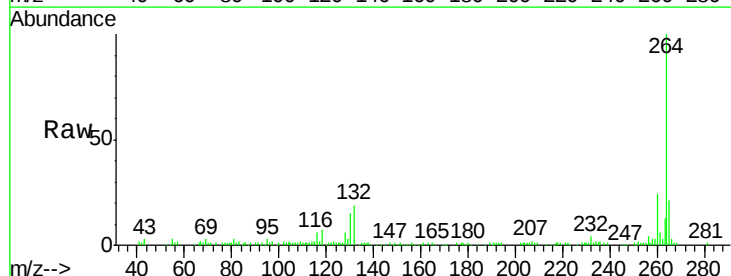
Instrument :
 BNA_F
 ClientSampleId :

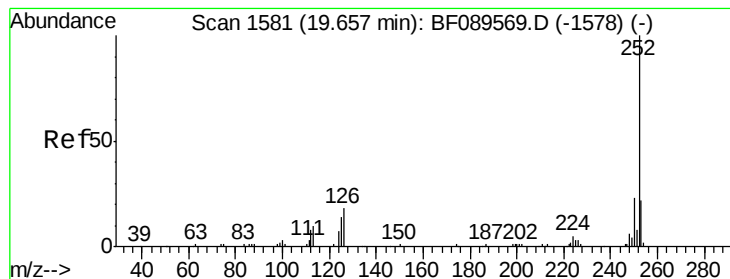
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	23.5	35.3
277	31.9	20.5	30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.07 min Scan# 1617
 Delta R.T. -0.00 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	21.4	16.6	25.0





#87

Benzo(b)fluoranthene

Concen: 12.41 ng

RT: 19.67 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

Instrument :

BNA_F

ClientSampleId :

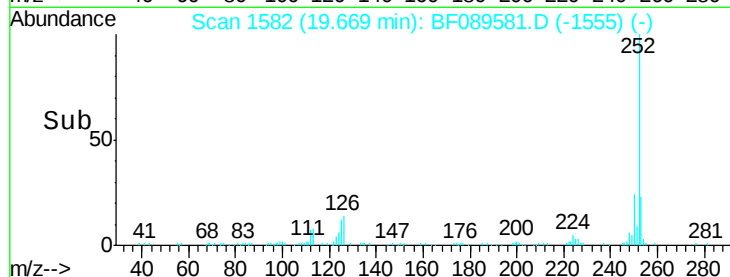
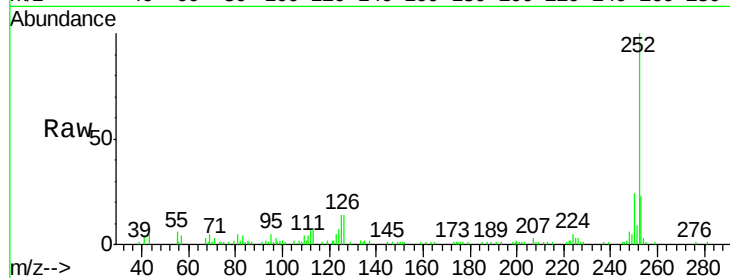
Tot Ion:252 Resp: 86679

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

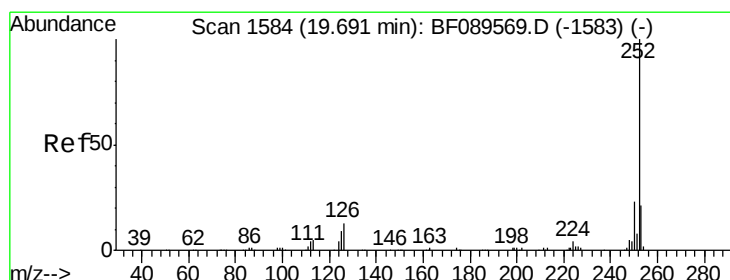
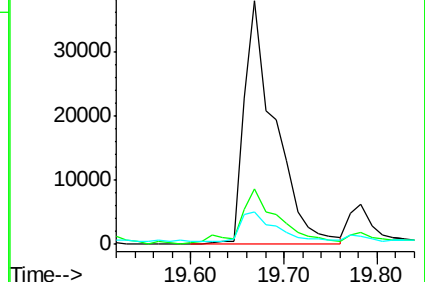
125 13.5 11.0 16.4



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



#88

Benzo(k)fluoranthene

Concen: 12.64 ng

RT: 19.67 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BF089581.D

Acq: 4 Aug 2016 6:05

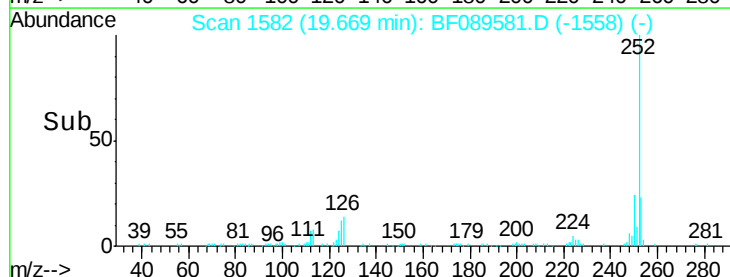
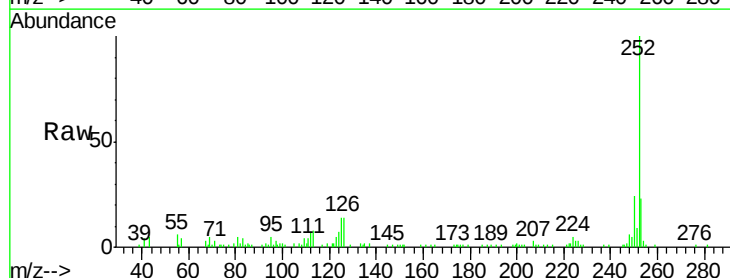
Tgt Ion:252 Resp: 86679

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

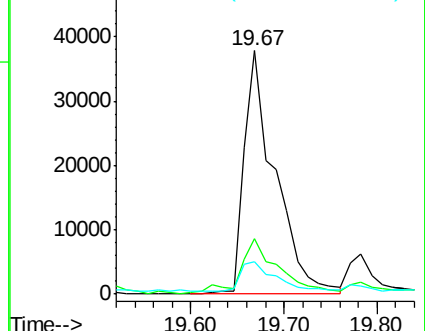
125 13.5 9.3 13.9

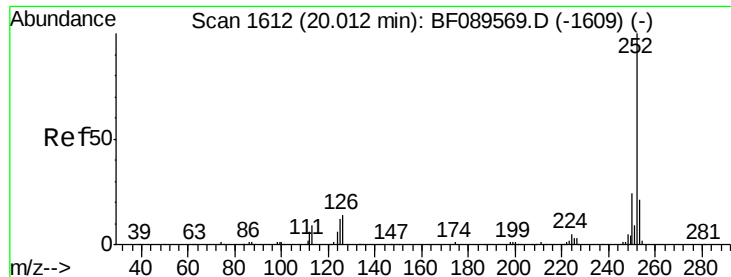


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

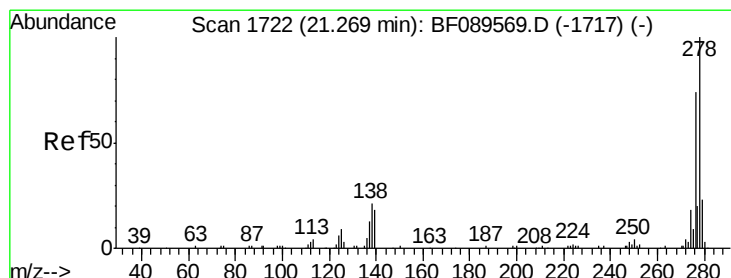
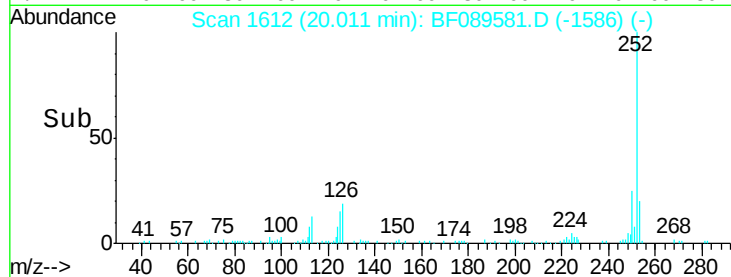
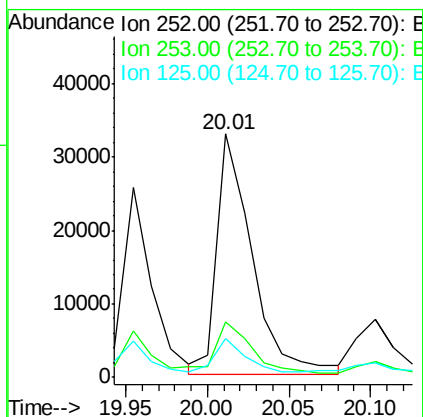
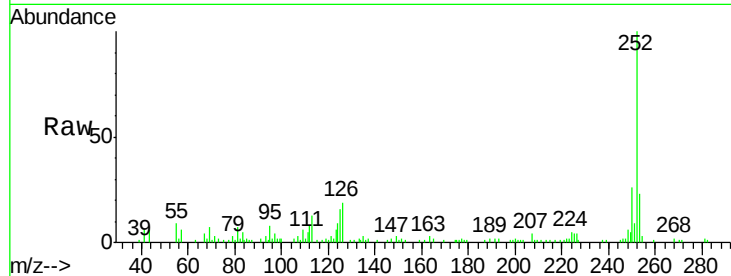




#89
Benzo(a)pyrene
Concen: 7.62 ng
RT: 20.01 min Scan# 1612
Delta R.T. -0.00 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

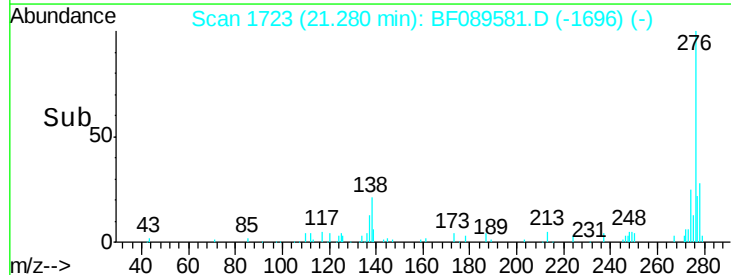
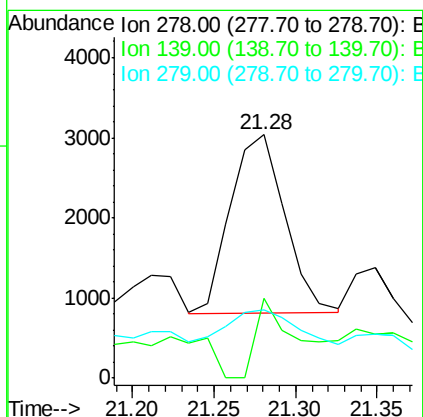
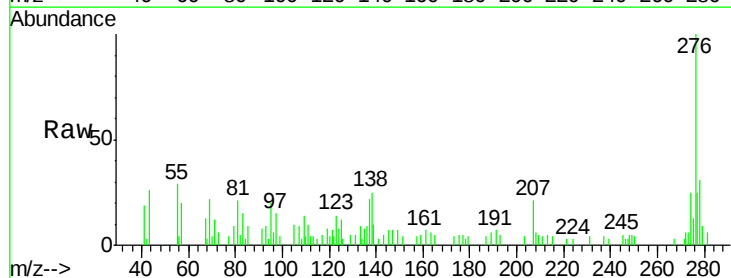
Instrument :
BNA_F
ClientSampleId :

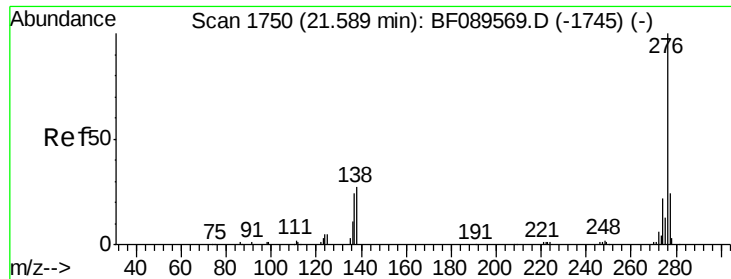
Tot Ion:252 Resp: 49325
Ion Ratio Lower Upper
252 100
253 23.0 16.6 24.8
125 15.8 9.4 14.0#



#90
Dibenzo(a,h)anthracene
Concen: 0.84 ng
RT: 21.28 min Scan# 1723
Delta R.T. 0.01 min
Lab File: BF089581.D
Acq: 4 Aug 2016 6:05

Tgt Ion:278 Resp: 5169
Ion Ratio Lower Upper
278 100
139 32.5 14.1 21.1#
279 28.2 18.7 28.1#

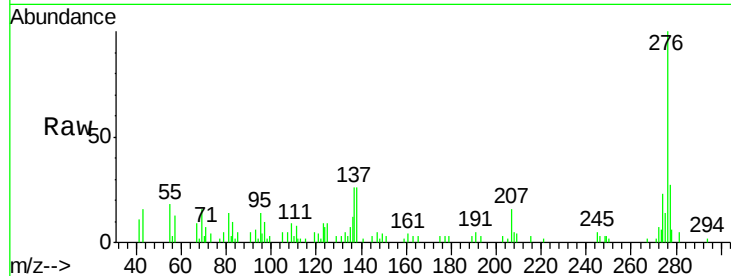




#91
 Benzo(a,h,i)perylene
 Concen: 5.10 ng
 RT: 21.61 min Scan# 1752
 Delta R.T. 0.02 min
 Lab File: BF089581.D
 Acq: 4 Aug 2016 6:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.0	28.6
138	25.9	21.7	32.5



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

