

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
 Data File : BF089489.D
 Acq On : 1 Aug 2016 2:03
 Operator : UM/SJ
 Sample : H4307-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 01 04:02:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 16:02:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	35671	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	100904	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	39540	20.00	ng	0.01
63) Phenanthrene-d10	11.05	188	71520	20.00	ng	0.00
75) Chrysene-d12	13.63	240	90705	20.00	ng	-0.03
86) Perylene-d12	14.95	264	70404	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.06	112	349777	156.57	ng	-0.05
7) Phenol-d6	6.16	99	392493	132.94	ng	-0.05
23) Nitrobenzene-d5	7.08	82	284865	166.64	ng	-0.03
41) 2,4,6-Tribromophenol	10.36	330	50063	152.87	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	266112	98.77	ng	-0.01
78) Terphenyl-d14	12.62	244	308403	79.58	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.04	77	37717	26.16	ng	# 1
10) Phenol	6.17	94	13015	3.99	ng	# 1
15) Benzyl Alcohol	6.66	79	16147	8.81	ng	# 51
17) 2-Methylphenol	6.80	107	3981	2.04	ng	# 1
18) Hexachloroethane	7.10	117	851347	761.22	ng	# 60
19) n-Nitroso-di-n-propylamine	6.84	70	158710	89.15	ng	# 81
22) Acetophenone	7.02	105	113946	47.43	ng	# 1
24) Nitrobenzene	7.07	77	139790	71.85	ng	# 47
25) Isophorone	7.32	82	122858	35.68	ng	# 1
26) 2-Nitrophenol	7.50	139	34459	39.61	ng	# 1
27) 2,4-Dimethylphenol	7.45	122	17245	12.44	ng	# 26
28) bis(2-Chloroethoxy)methane	7.60	93	53252	27.94	ng	# 1
29) 2,4-Dichlorophenol	7.68	162	15592	12.35	ng	# 1
30) 1,2,4-Trichlorobenzene	7.74	180	9384	6.51	ng	# 60
31) Naphthalene	7.85	128	1043263	208.79	ng	# 88
32) Benzoic acid	7.62	122	11972	12.40	ng	# 1
33) 4-Chloroaniline	7.96	127	12536	6.59	ng	# 1
35) Caprolactam	8.30	113	157679	413.72	ng	# 1
36) 4-Chloro-3-methylphenol	8.36	107	9097	6.06	ng	# 32
37) 2-Methylnaphthalene	8.56	142	1591996	528.76	ng	# 95
42) 2,4,6-Trichlorophenol	8.82	196	5449	8.28	ng	# 13
43) 2,4,5-Trichlorophenol	8.82	196	5449	6.54	ng	# 1
45) 1,1'-Biphenyl	9.00	154	29763	8.84	ng	# 58
47) 2-Nitroaniline	9.20	65	9807	13.10	ng	# 42
48) Acenaphthylene	9.45	152	40488	10.17	ng	# 1
49) Dimethylphthalate	9.30	163	68603	22.80	ng	# 64
50) 2,6-Dinitrotoluene	9.44	165	38875	62.87	ng	# 72
51) Acenaphthene	9.62	154	97274	41.83	ng	# 56
52) 3-Nitroaniline	9.54	138	8745	13.40	ng	# 70
53) 2,4-Dinitrophenol	9.87	184	20338	74.01	ng	# 96
54) Dibenzofuran	9.79	168	103151	32.55	ng	# 1
55) 4-Nitrophenol	9.79	139	64538	193.57	ng	# 59
56) 2,4-Dinitrotoluene	9.80	165	26819	32.95	ng	# 63
57) Fluorene	10.12	166	254729	92.08	ng	# 75

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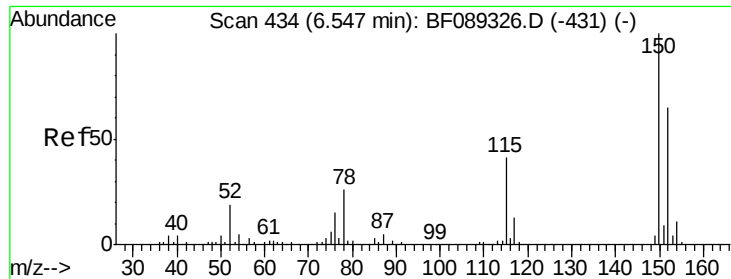
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

58) 2,3,4,6-Tetrachlorophenol	9.98	232	6975	12.54	nq	# 1
59) Diethylphthalate	10.03	149	25672	8.41	nq	# 10
60) 4-Chlorophenyl-phenylether	10.08	204	8972	7.07	nq	# 1
61) 4-Nitroaniline	10.22	138	10494	15.60	nq	# 58
62) Azobenzene	10.28	77	29758	9.47	nq	# 1
64) 4,6-Dinitro-2-methylphenol	10.20	198	1188	6.84	nq	# 1
65) n-Nitrosodiphenylamine	10.25	169	345457	154.80	nq	# 53
68) Atrazine	10.76	200	29354	42.82	nq	# 62
69) Pentachlorophenol	10.84	266	856	8.39	nq	# 1
70) Phenanthrene	11.08	178	742043	201.17	nq	# 93
71) Anthracene	11.08	178	742043	180.94	nq	# 92
72) Carbazole	11.28	167	28194	8.17	nq	# 1
73) Di-n-butylphthalate	11.59	149	10224	2.21	nq	# 1
74) Fluoranthene	12.47	202	184828	47.63	nq	# 86
77) Pyrene	12.47	202	189391	27.55	nq	# 93
80) Benzo(a)anthracene	13.66	228	16957	3.31	nq	# 26
82) Chrysene	13.66	228	16957	3.11	nq	# 33

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

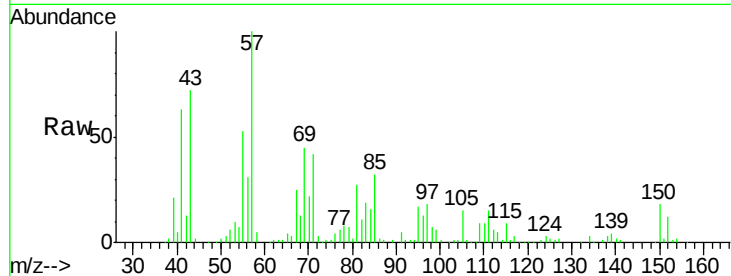
Tot Ion:152 Resp: 35671

Ion Ratio Lower Upper

152 100

150 153.4 129.5 194.3

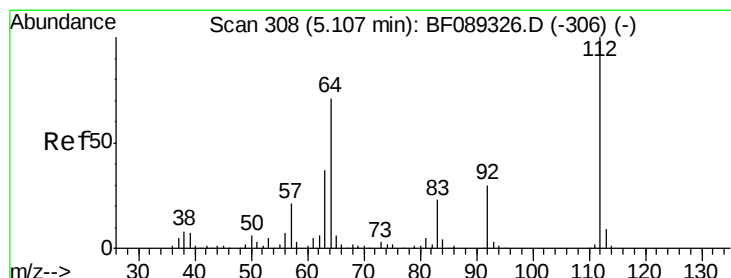
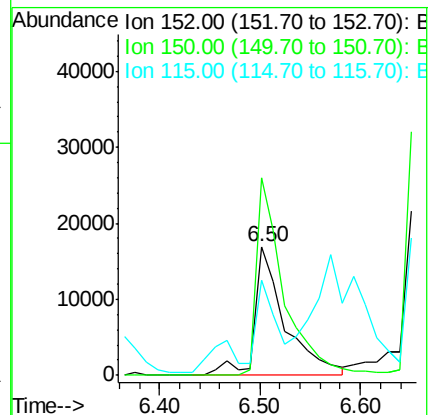
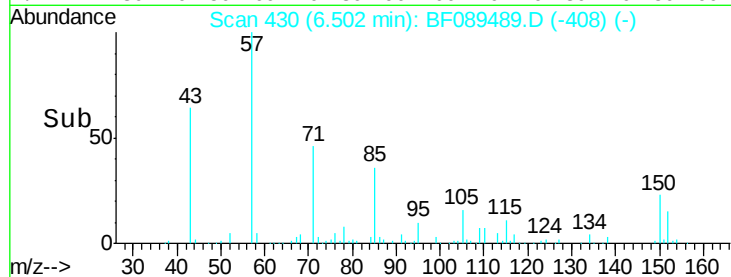
115 74.2 51.4 77.2



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: 156.57 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

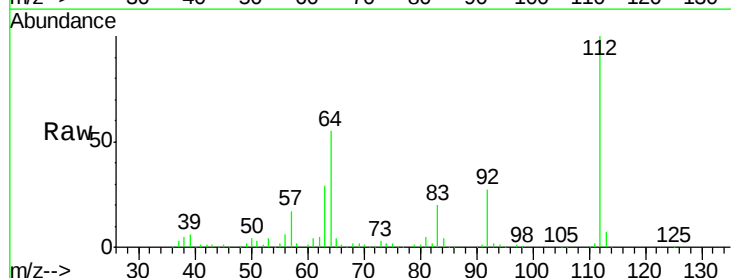
Tgt Ion:112 Resp: 349777

Ion Ratio Lower Upper

112 100

64 54.7 55.0 82.6#

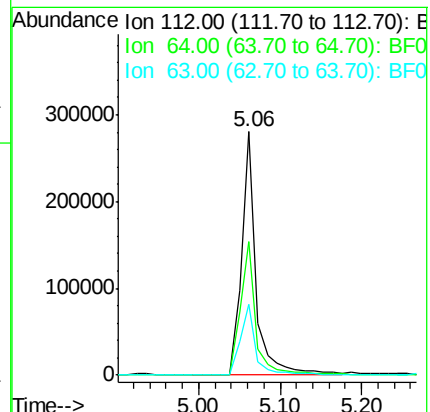
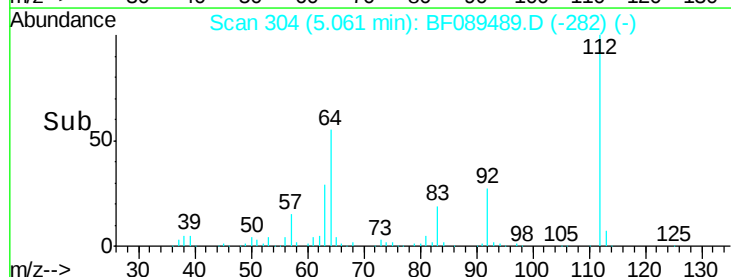
63 29.3 29.4 44.2#

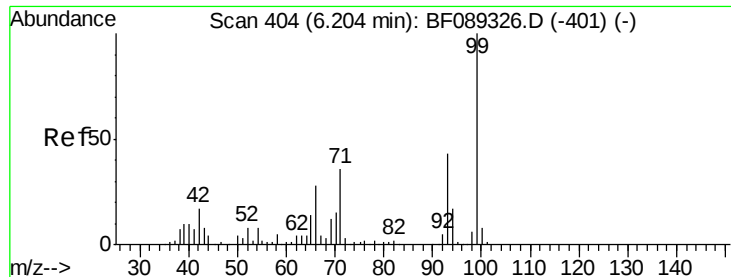


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.94 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

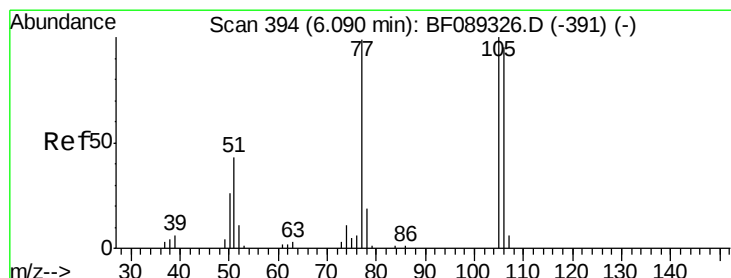
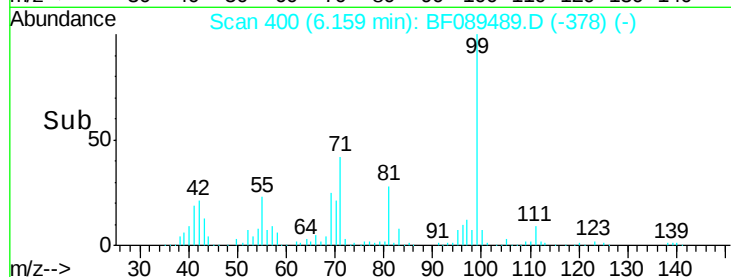
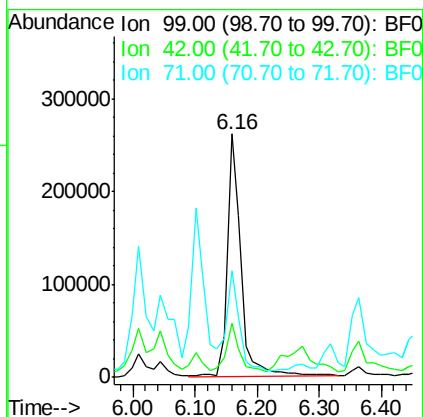
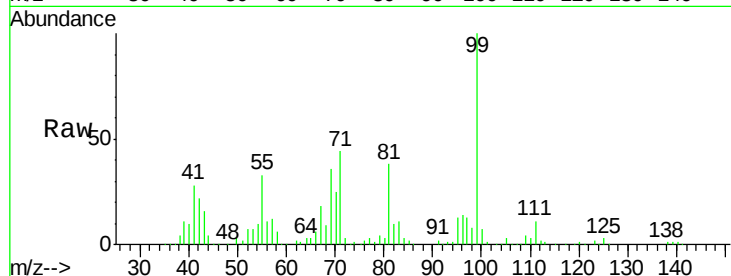
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 392493

Ion	Ratio	Lower	Upper
99	100		
42	22.5	13.6	20.4#
71	43.7	29.4	44.2



#9

Benzaldehyde

Concen: 26.16 ng

RT: 6.04 min Scan# 390

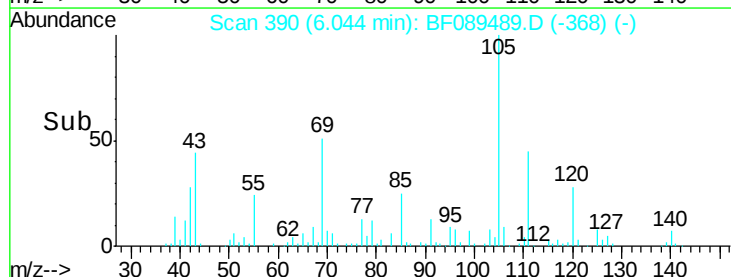
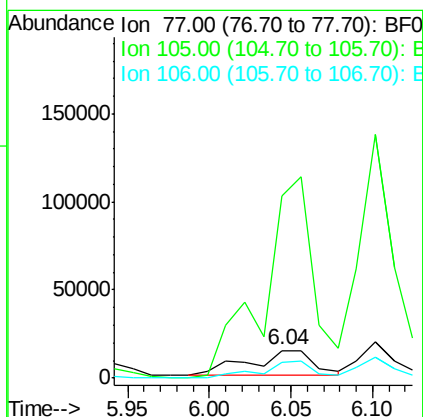
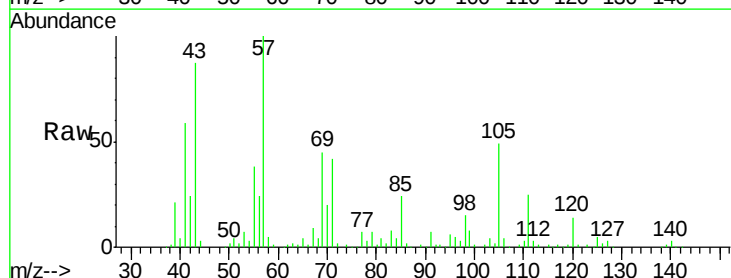
Delta R.T. -0.05 min

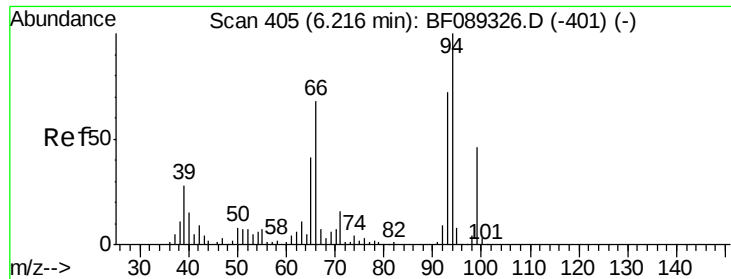
Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Tgt Ion: 77 Resp: 37717

Ion	Ratio	Lower	Upper
77	100		
105	666.4	82.9	122.9#
106	59.6	75.9	115.9#

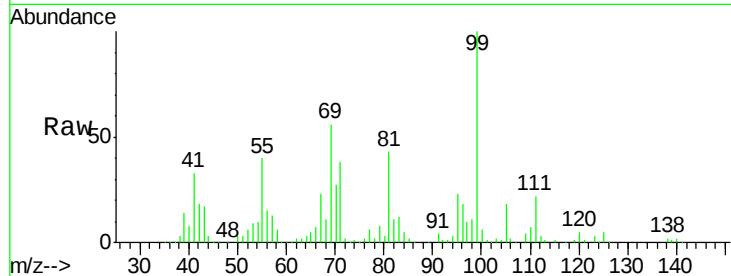




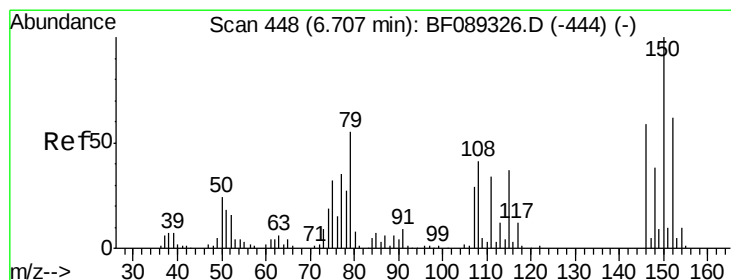
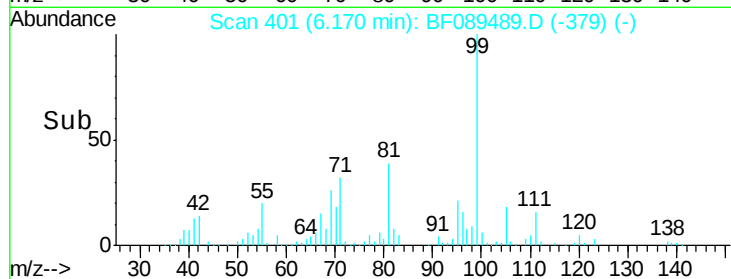
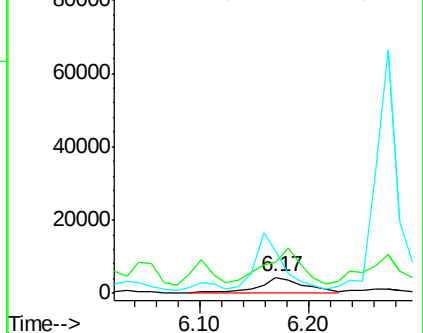
#10
Phenol
Concen: 3.99 ng
RT: 6.17 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 94 Resp: 13015
Ion Ratio Lower Upper
94 100
65 193.3 19.1 59.1#
66 260.4 44.4 84.4#

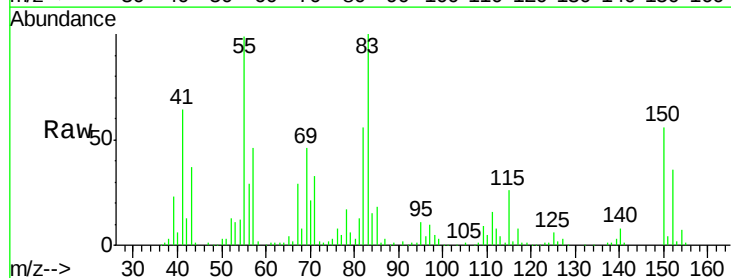


Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

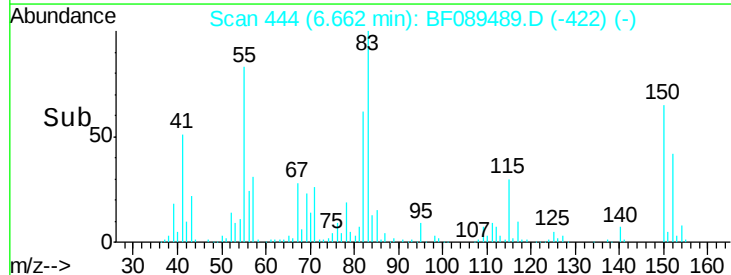
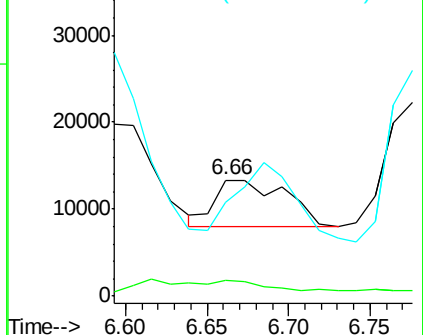


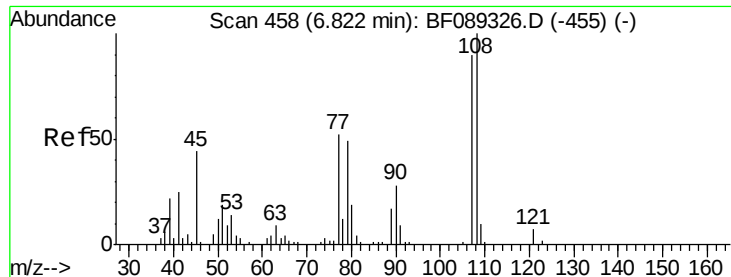
#15
Benzyl Alcohol
Concen: 8.81 ng
RT: 6.66 min Scan# 444
Delta R.T. -0.05 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion: 79 Resp: 16147
Ion Ratio Lower Upper
79 100
108 13.4 59.8 89.6#
77 81.4 51.7 77.5#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

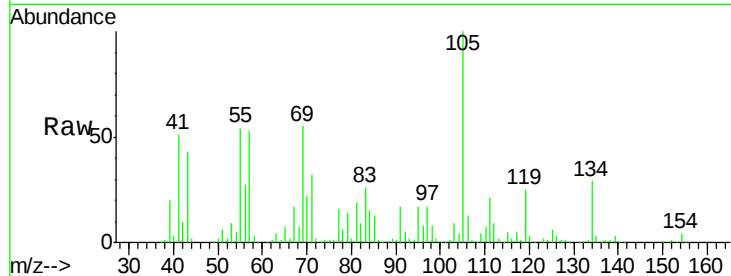




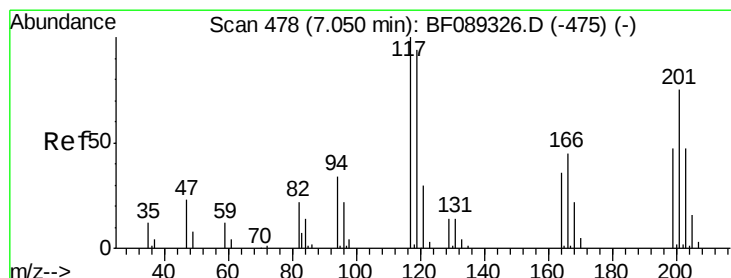
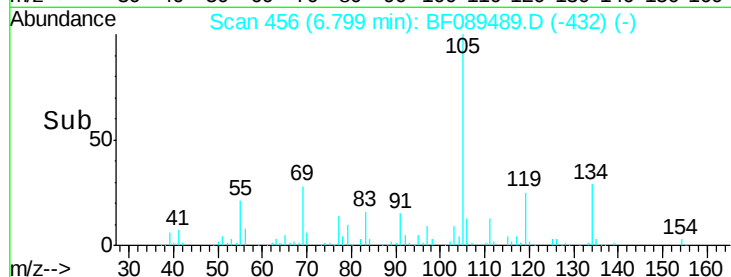
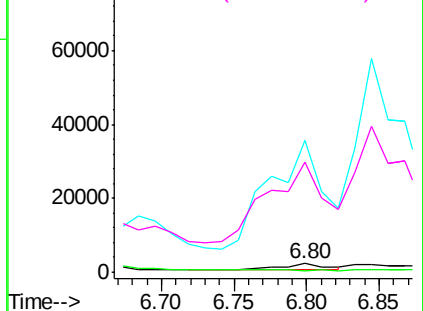
#17
2-Methylphenol
Concen: 2.04 ng
RT: 6.80 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 3981
Ion Ratio Lower Upper
107 100
108 21.0 91.4 137.0#
77 1565.8 48.6 73.0#
79 1316.9 48.2 72.4#

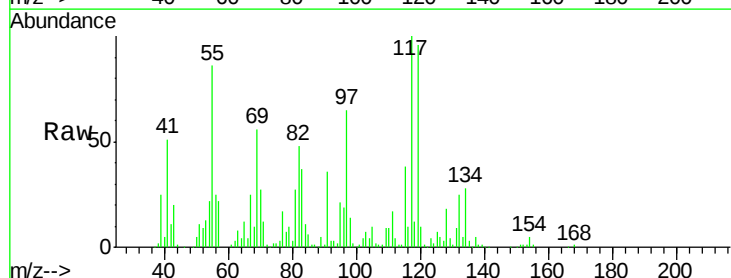


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

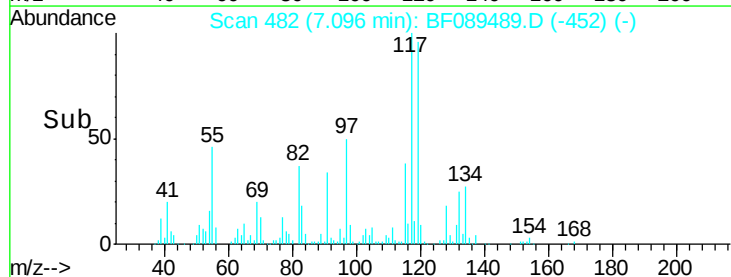
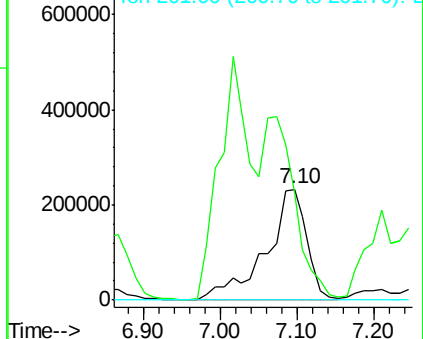


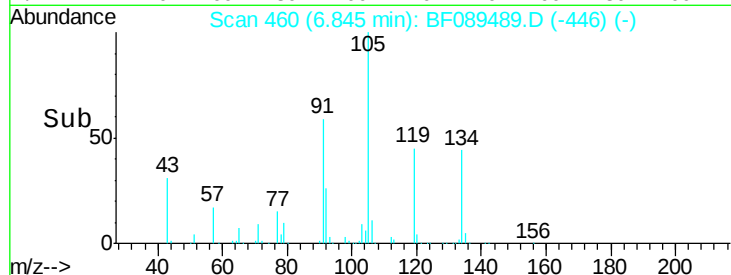
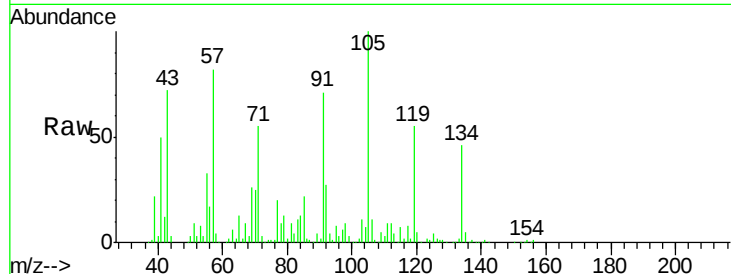
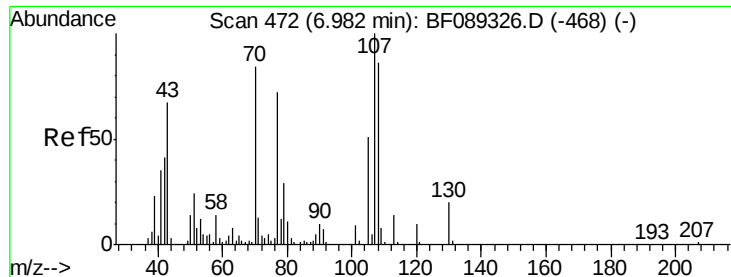
#18
Hexachloroethane
Concen: 761.22 ng
RT: 7.10 min Scan# 482
Delta R.T. 0.05 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion:117 Resp: 851347
Ion Ratio Lower Upper
117 100
119 96.2 76.0 114.0
201 0.0 60.0 90.0#



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

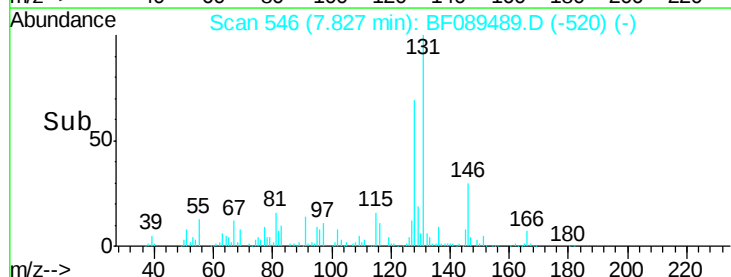
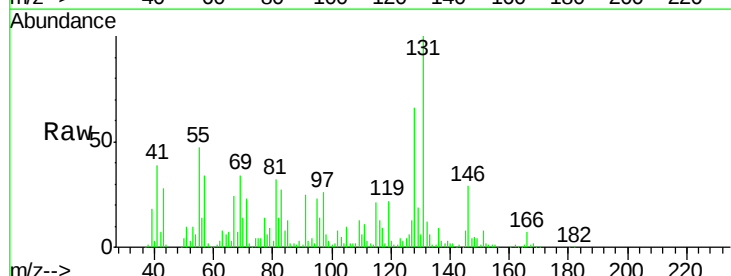
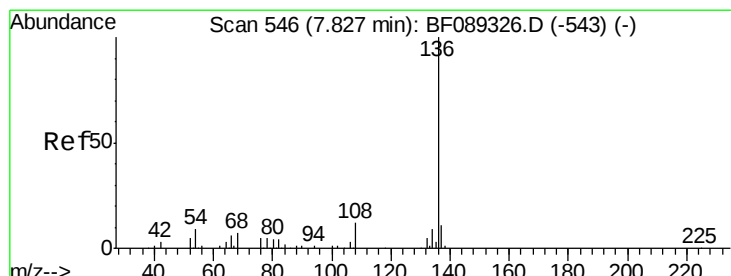
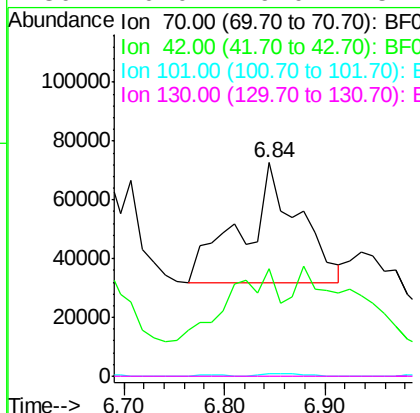




#19
n-Nitroso-di-n-propylamine
Concen: 89.15 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.14 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

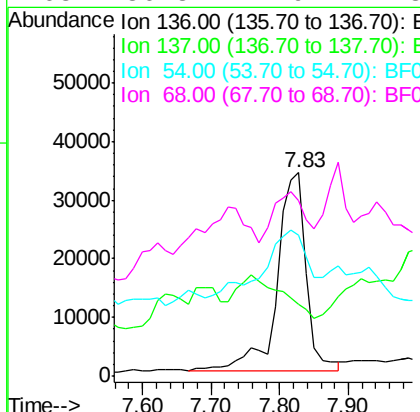
Instrument :
BNA_F
ClientSampleId :

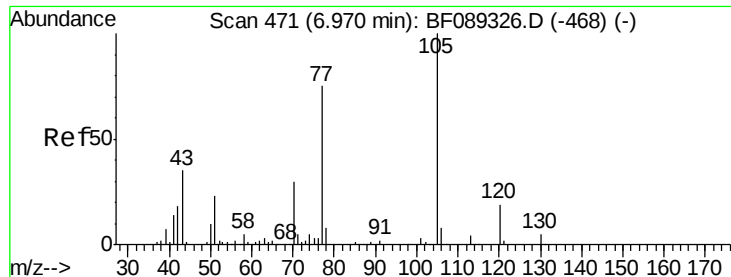
Tot Ion: 70 Resp: 158710
Ion Ratio Lower Upper
70 100
42 50.3 38.6 57.8
101 1.3 8.3 12.5#
130 0.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.83 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion:136 Resp: 100904
Ion Ratio Lower Upper
136 100
137 35.6 8.6 13.0#
54 69.4 7.0 10.4#
68 86.3 4.9 7.3#





#22

Acetophenone

Concen: 47.43 ng

RT: 7.02 min Scan# 475

Delta R.T. 0.05 min

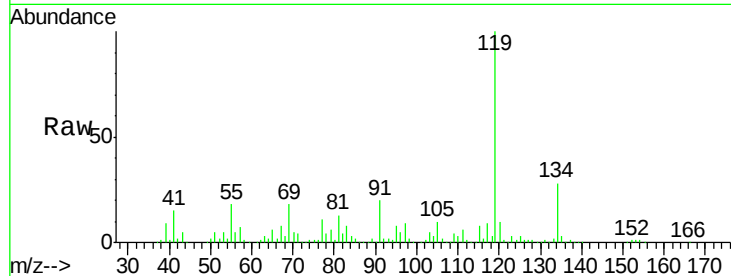
Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

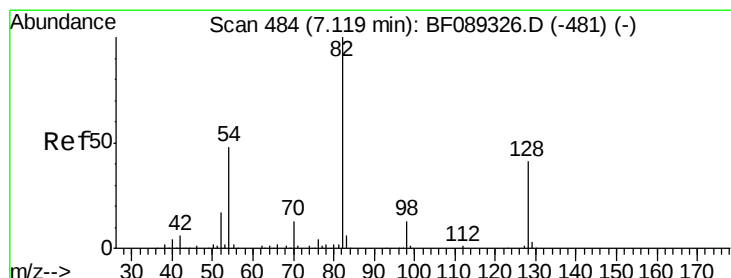
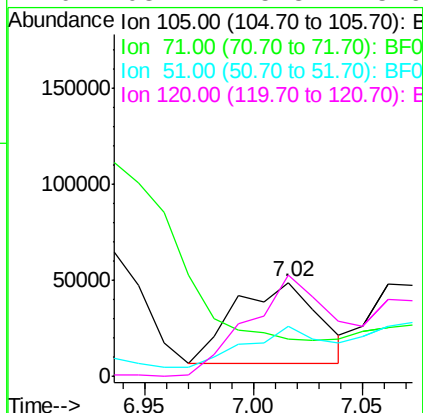
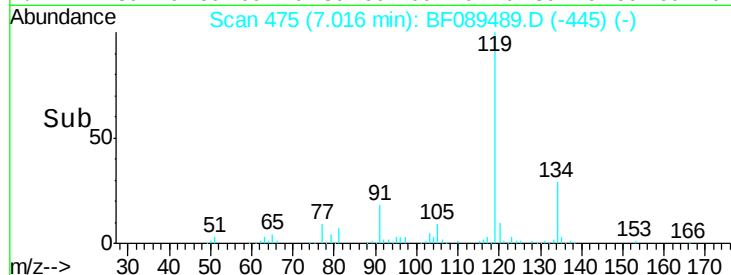
Instrument :

BNA_F

ClientSampleId :



Tot Ion:	105	Resp:	113946
Ion	Ratio	Lower	Upper
105	100		
71	39.7	4.2	6.2#
51	53.2	18.7	28.1#
120	108.1	15.8	23.6#



#23

Nitrobenzene-d5

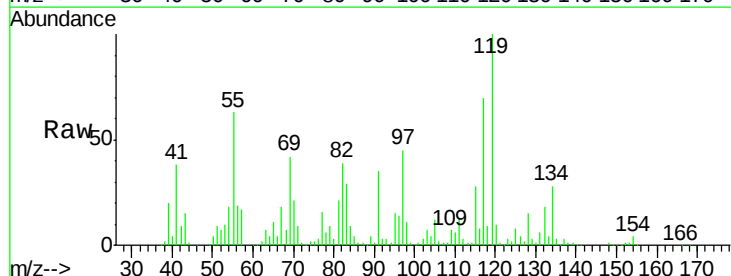
Concen: 166.64 ng

RT: 7.08 min Scan# 481

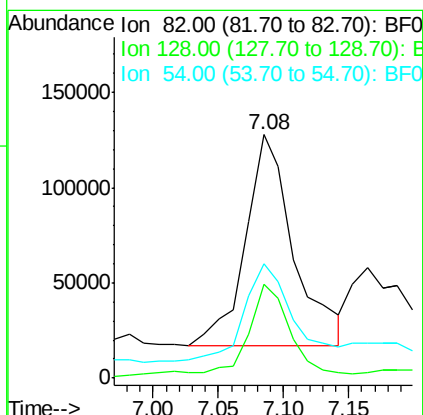
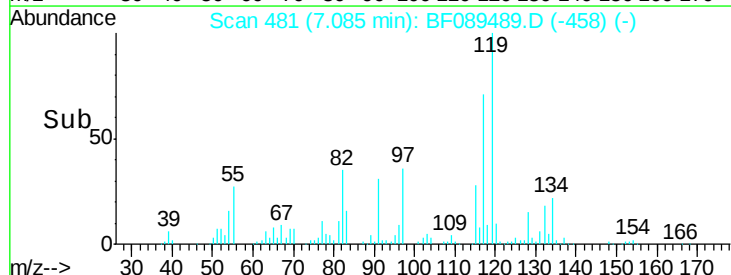
Delta R.T. -0.03 min

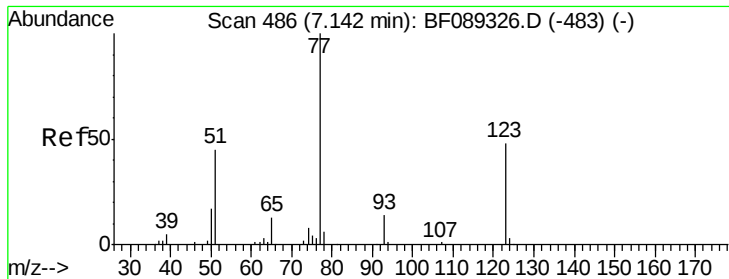
Lab File: BF089489.D

Acq: 1 Aug 2016 2:03



Tgt Ion:	82	Resp:	284865
Ion	Ratio	Lower	Upper
82	100		
128	38.5	32.5	48.7
54	46.9	38.8	58.2

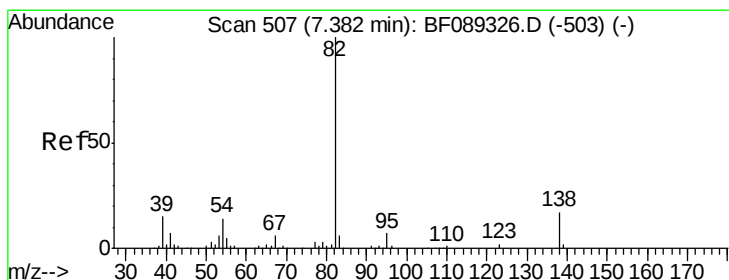
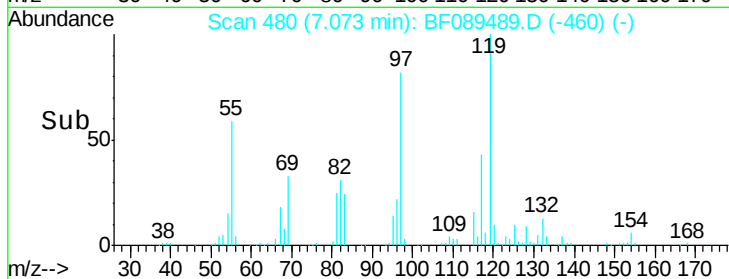
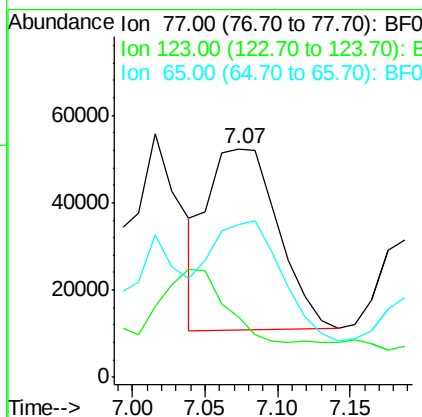
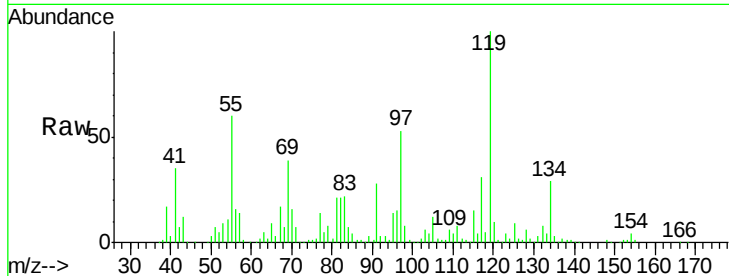




#24
Nitrobenzene
Concen: 71.85 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.07 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

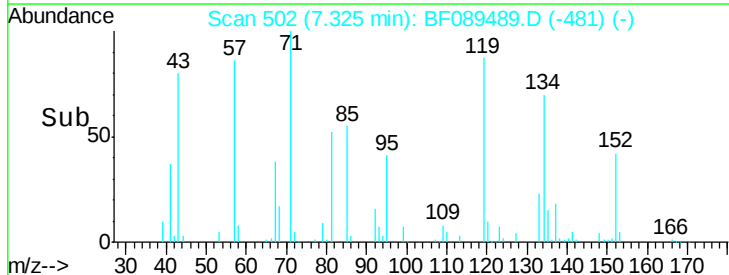
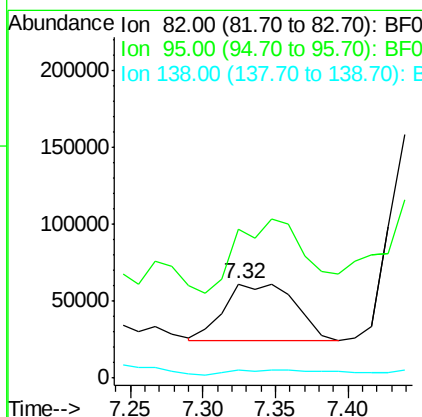
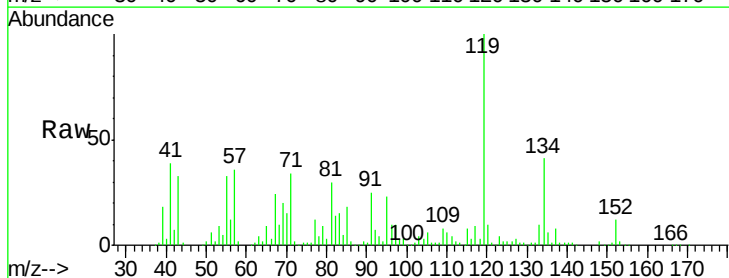
Instrument :
BNA_F
ClientSampled :

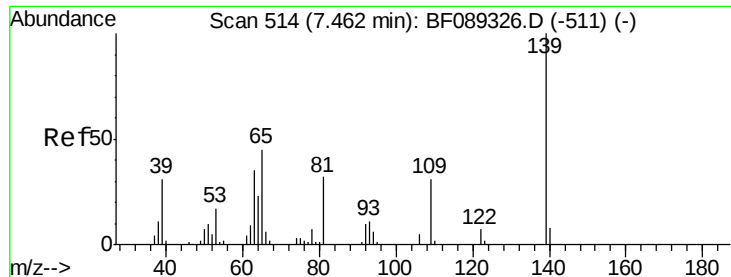
Tot Ion: 77 Resp: 139790
Ion Ratio Lower Upper
77 100
123 26.8 37.2 55.8#
65 66.8 10.2 15.4#



#25
Isophorone
Concen: 35.68 ng
RT: 7.32 min Scan# 502
Delta R.T. -0.06 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion: 82 Resp: 122858
Ion Ratio Lower Upper
82 100
95 158.1 6.0 9.0#
138 8.3 13.3 19.9#





#26

2-Nitrophenol

Concen: 39.61 ng

RT: 7.50 min Scan# 517

Delta R.T. 0.04 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

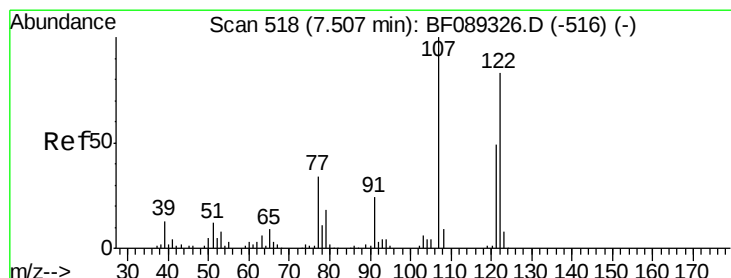
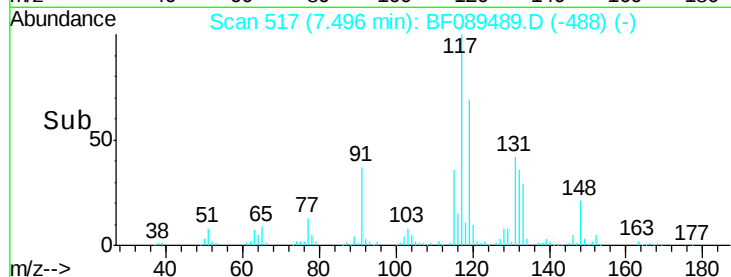
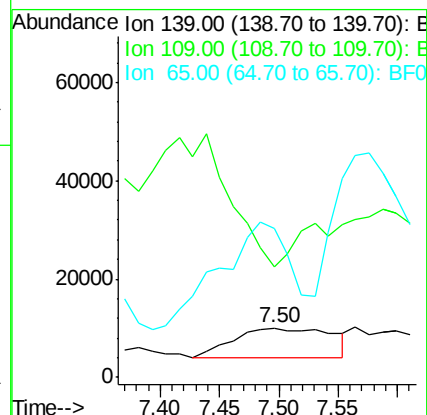
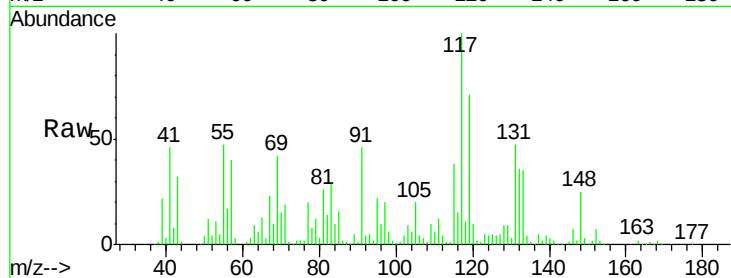
Tot Ion:139 Resp: 34459

Ion Ratio Lower Upper

139 100

109 225.4 25.8 38.8#

65 303.0 35.2 52.8#



#27

2,4-Dimethylphenol

Concen: 12.44 ng

RT: 7.45 min Scan# 513

Delta R.T. -0.06 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

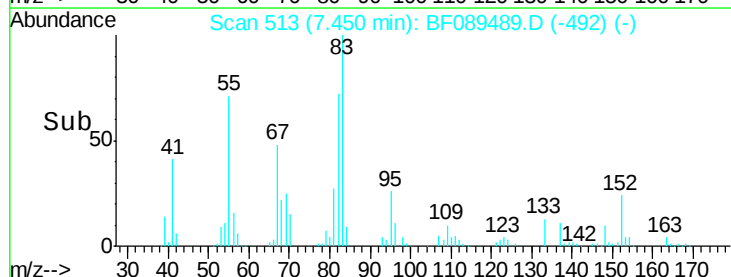
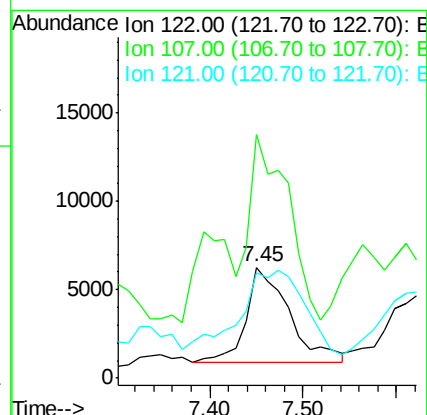
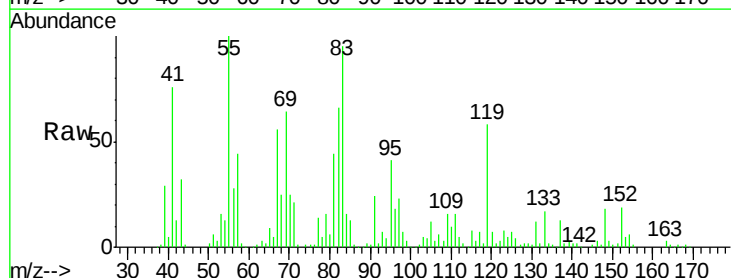
Tgt Ion:122 Resp: 17245

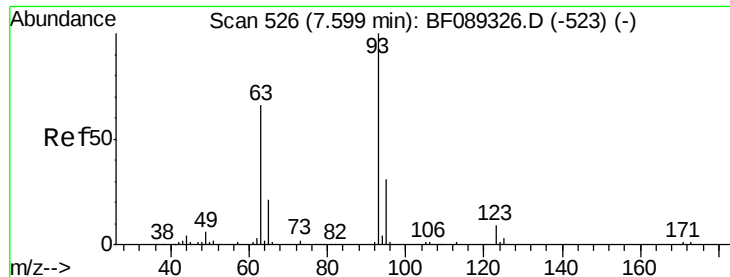
Ion Ratio Lower Upper

122 100

107 220.2 97.2 145.8#

121 95.7 48.8 73.2#

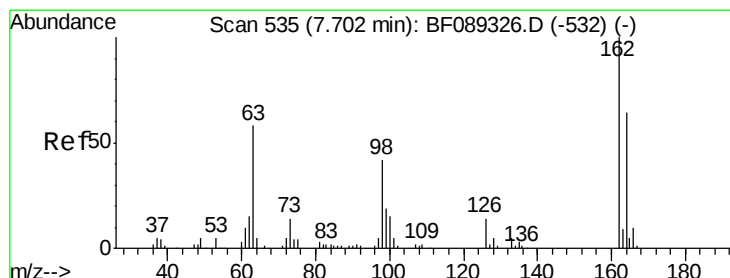
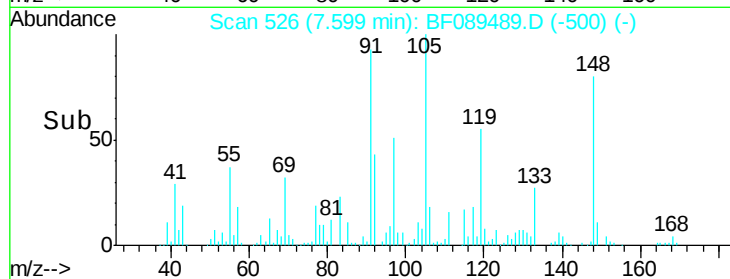
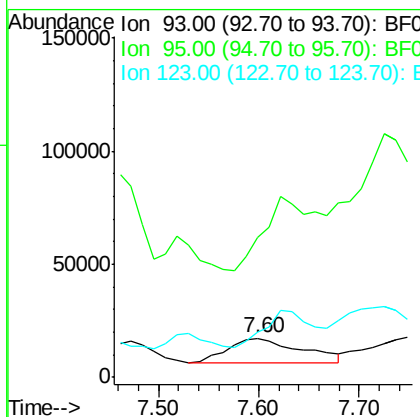
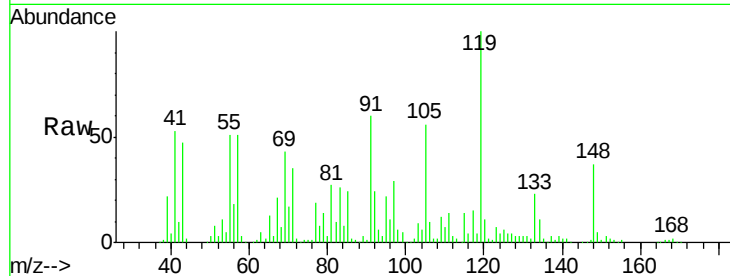




#28
bis(2-Chloroethoxy)methane
Concen: 27.94 ng
RT: 7.60 min Scan# 526
Delta R.T. 0.00 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

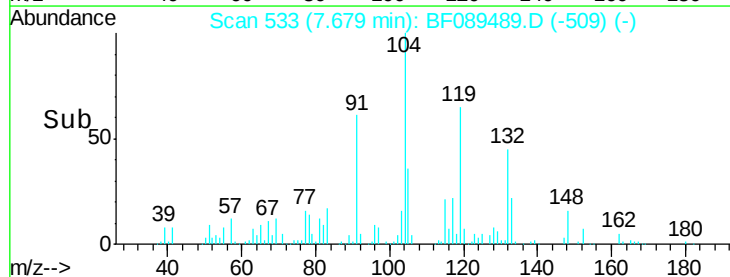
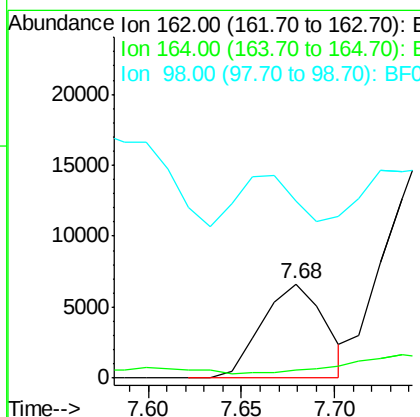
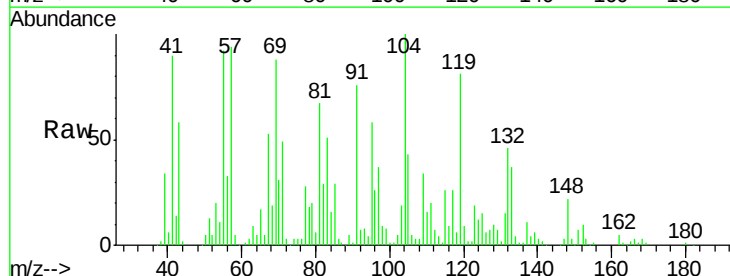
Instrument :
BNA_F
ClientSampled :

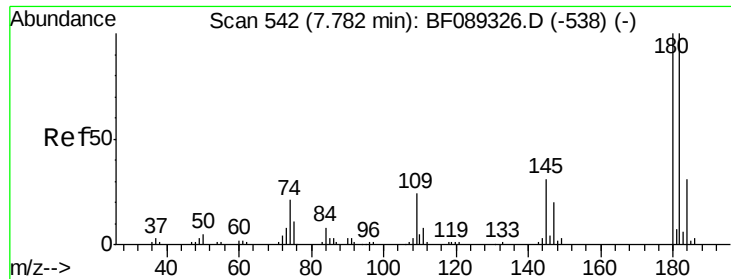
Tot Ion: 93 Resp: 53252
Ion Ratio Lower Upper
93 100
95 354.2 24.7 37.1#
123 115.9 7.5 11.3#



#29
2,4-Dichlorophenol
Concen: 12.35 ng
RT: 7.68 min Scan# 533
Delta R.T. -0.02 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion: 162 Resp: 15592
Ion Ratio Lower Upper
162 100
164 7.9 44.0 84.0#
98 188.9 21.8 61.8#

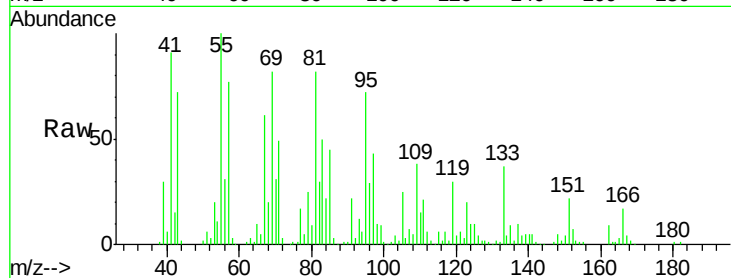




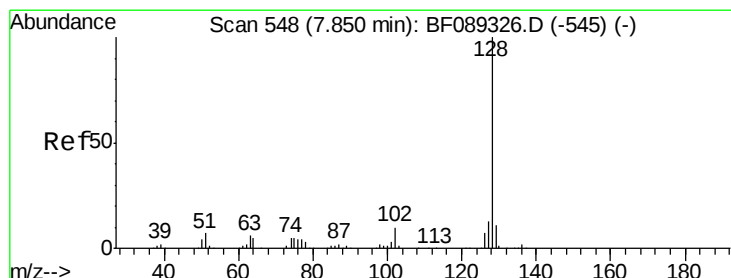
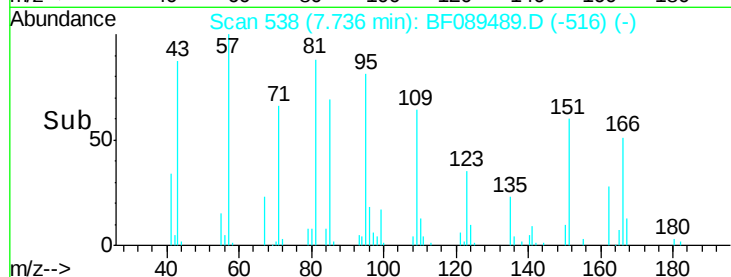
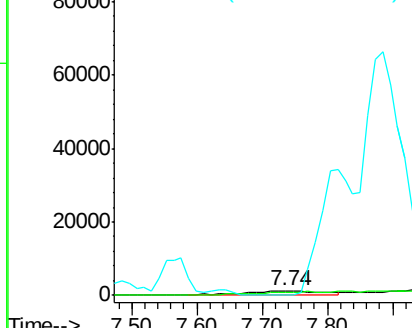
#30
1,2,4-Trichlorobenzene
Concen: 6.51 ng
RT: 7.74 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Instrument :
BNA_F
ClientSampled :

Tot Ion:180 Resp: 9384
Ion Ratio Lower Upper
180 100
182 62.9 78.2 117.2#
145 0.0 24.6 36.8#

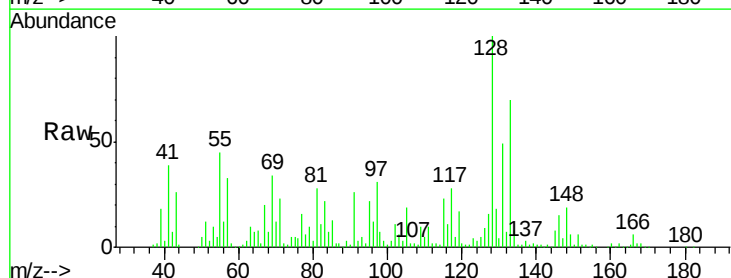


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

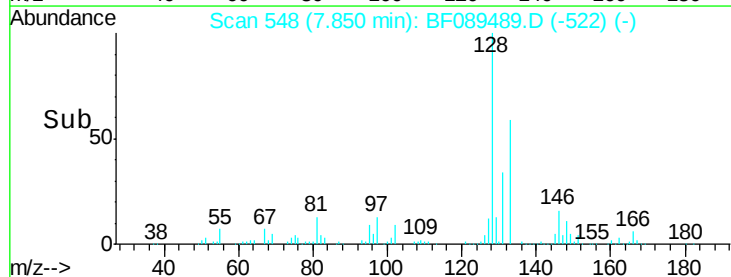
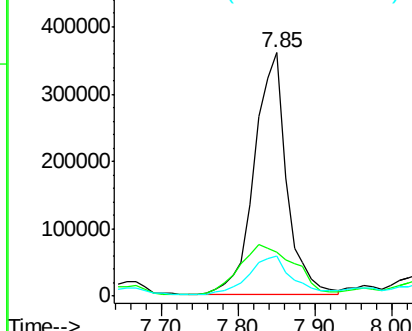


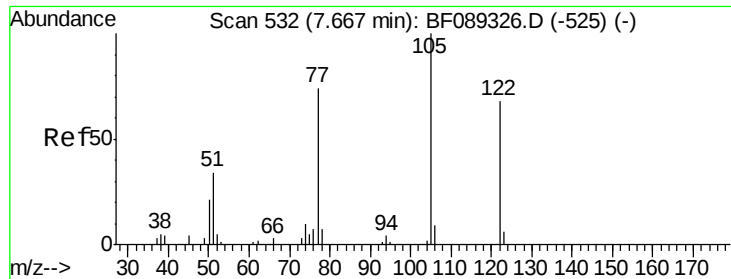
#31
Naphthalene
Concen: 208.79 ng
RT: 7.85 min Scan# 548
Delta R.T. 0.00 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion:128 Resp: 1043263
Ion Ratio Lower Upper
128 100
129 18.2 8.8 13.2#
127 16.3 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





#32

Benzoic acid

Concen: 12.40 ng

RT: 7.62 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

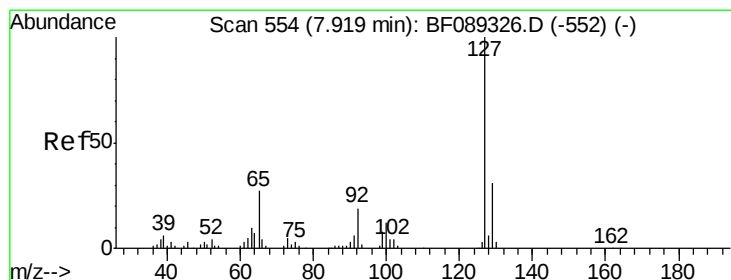
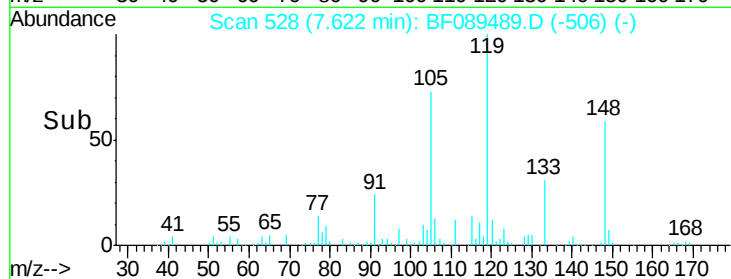
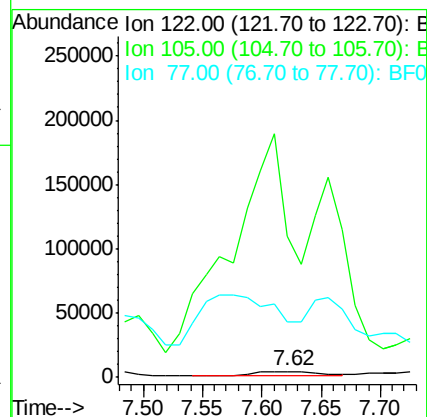
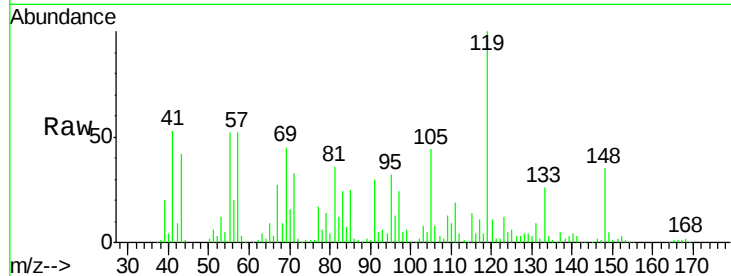
Tot Ion:122 Resp: 11972

Ion Ratio Lower Upper

122 100

105 2344.4 106.4 146.4#

77 921.0 76.4 116.4#



#33

4-Chloroaniline

Concen: 6.59 ng

RT: 7.96 min Scan# 558

Delta R.T. 0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Tgt Ion:127 Resp: 12536

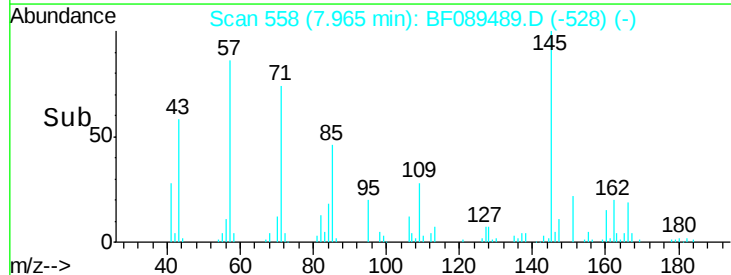
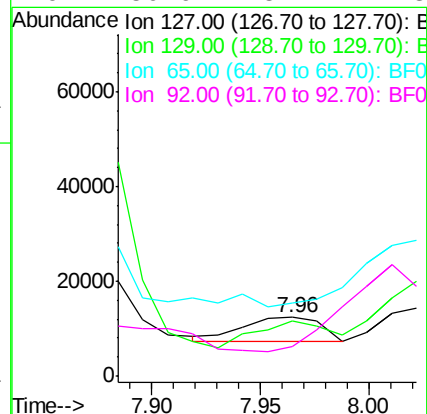
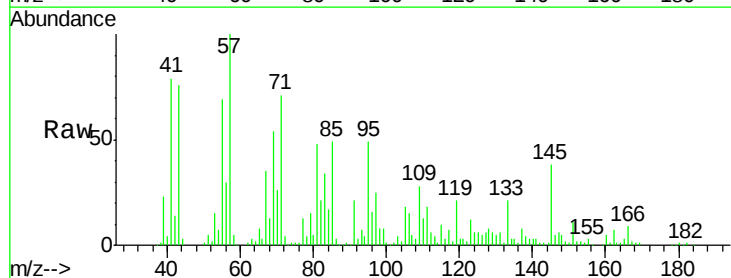
Ion Ratio Lower Upper

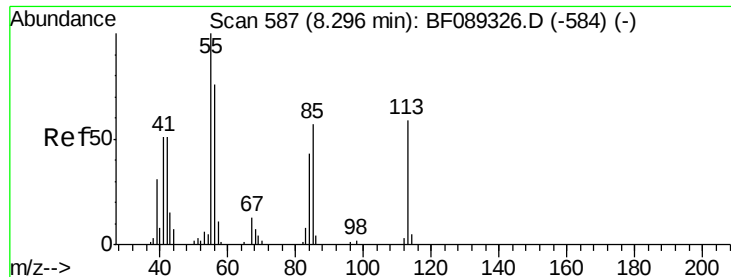
127 100

129 93.8 26.1 39.1#

65 124.9 22.0 33.0#

92 50.9 15.2 22.8#





#35

Caprolactam

Concen: 413.72 ng

RT: 8.30 min Scan# 587

Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

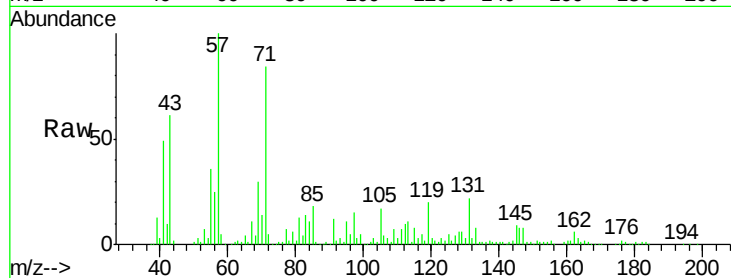
Tot Ion:113 Resp: 157679

Ion Ratio Lower Upper

113 100

55 316.4 142.3 182.3#

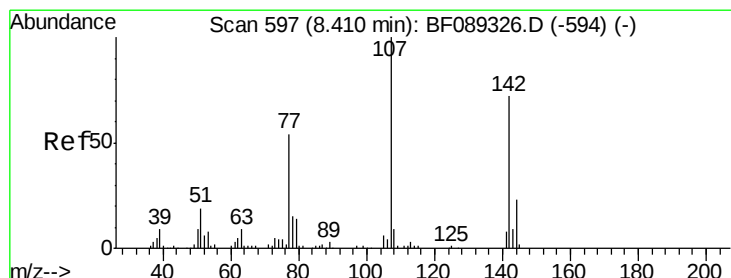
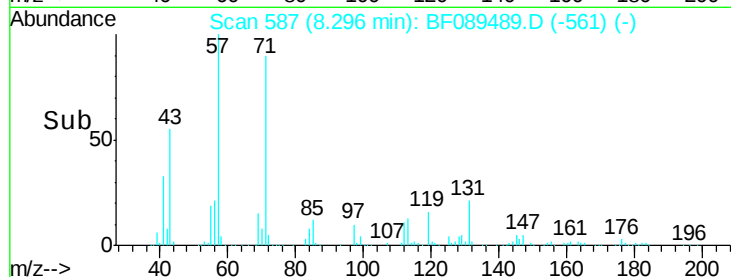
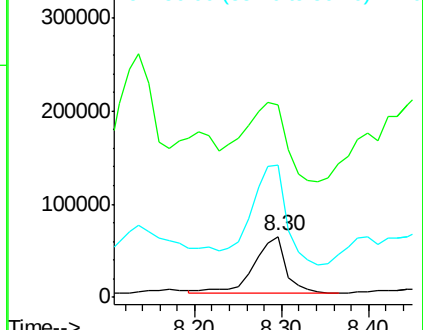
56 217.7 105.8 145.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 6.06 ng

RT: 8.36 min Scan# 593

Delta R.T. -0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

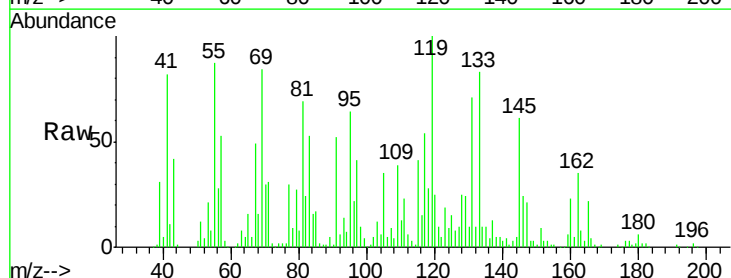
Tgt Ion:107 Resp: 9097

Ion Ratio Lower Upper

107 100

144 52.1 18.4 27.6#

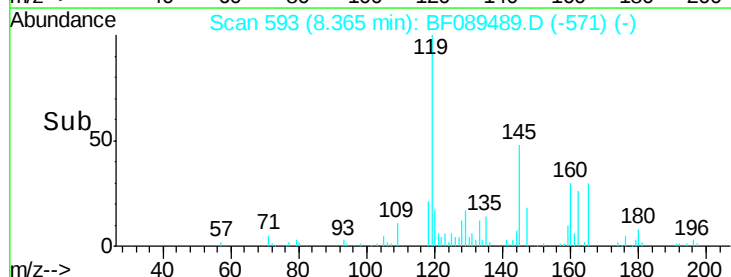
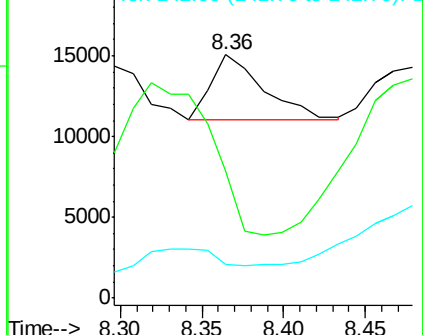
142 13.7 58.6 87.8#

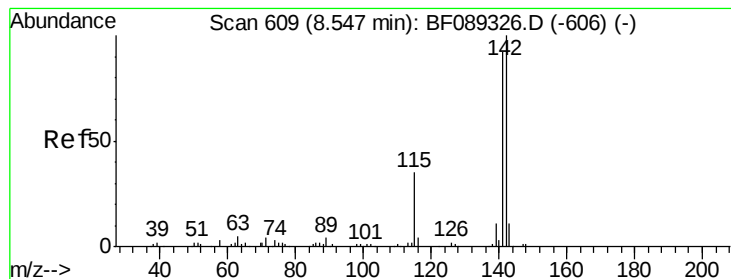


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

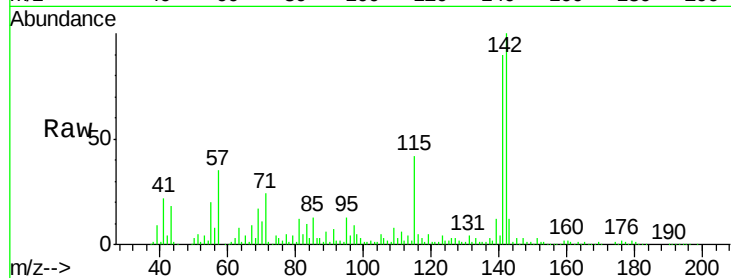




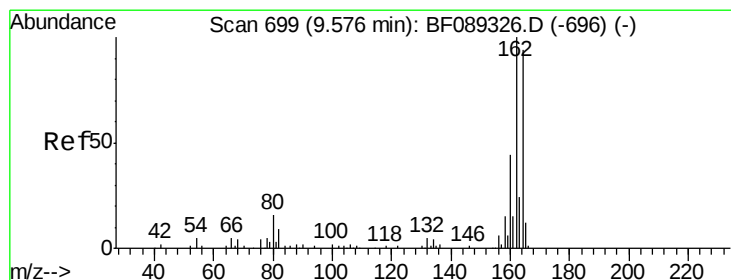
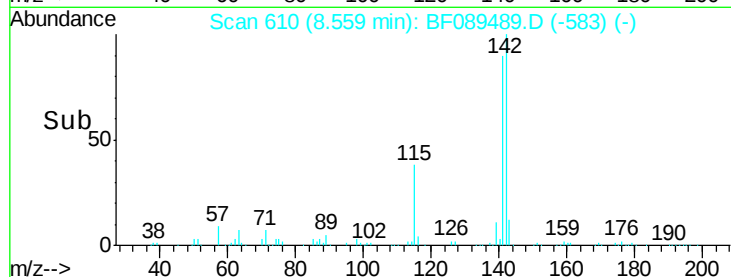
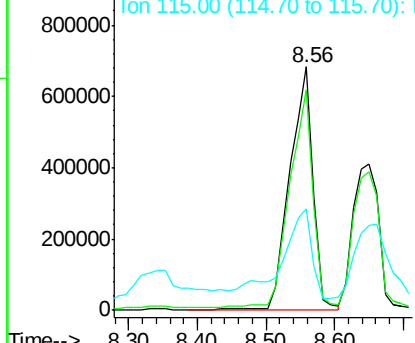
#37
2-Methylnaphthalene
Concen: 528.76 ng
RT: 8.56 min Scan# 610
Delta R.T. 0.01 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 1591996
Ion Ratio Lower Upper
142 100
141 90.5 70.9 106.3
115 41.5 27.6 41.4#

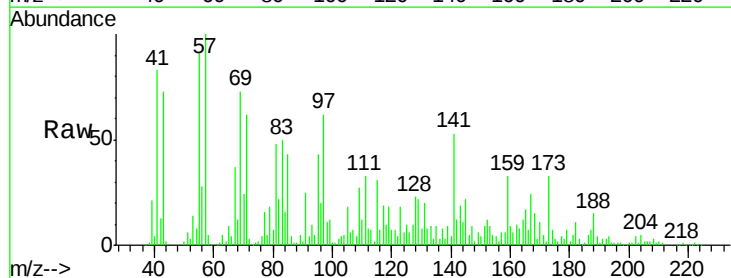


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

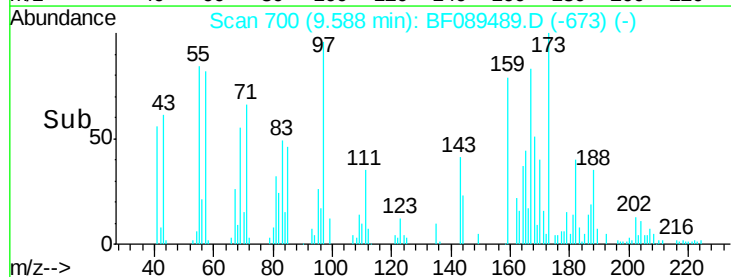
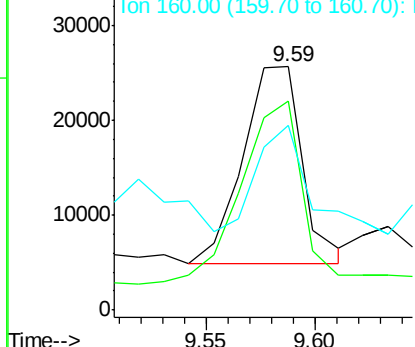


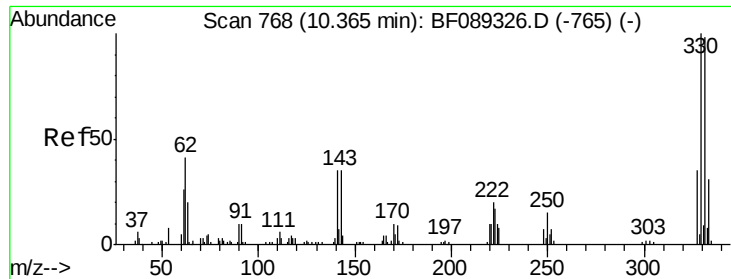
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. 0.01 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion:164 Resp: 39540
Ion Ratio Lower Upper
164 100
162 85.9 83.7 125.5
160 76.0 37.8 56.6#



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

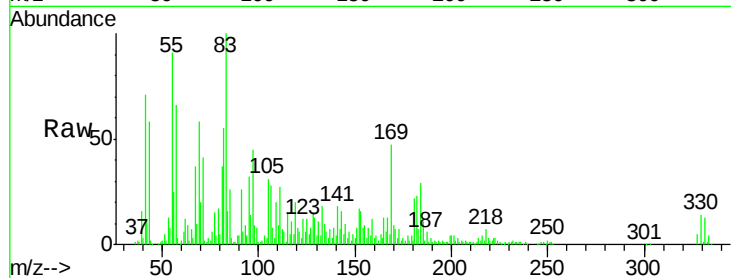




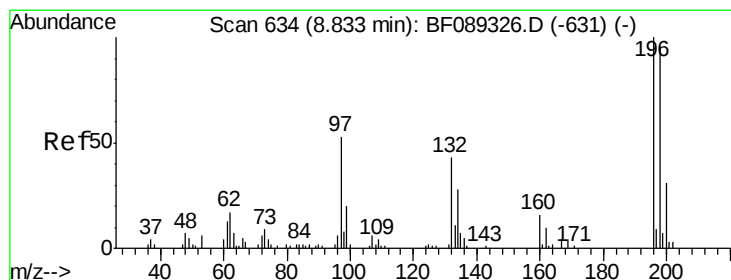
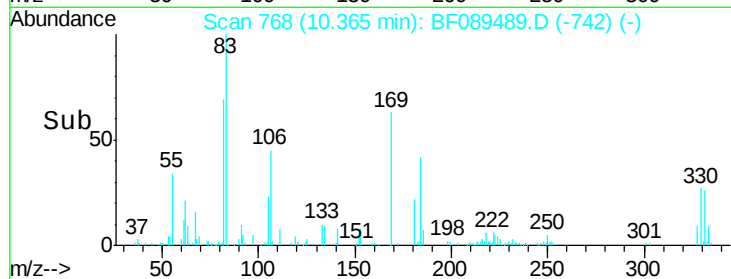
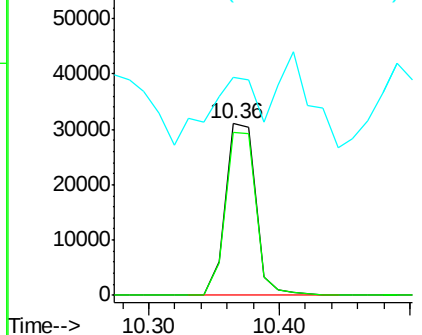
#41
 2,4,6-Tribromophenol
 Concen: 152.87 ng
 RT: 10.36 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: BF089489.D
 Acq: 1 Aug 2016 2:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 50063
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.8 115.2
 141 64.3 37.3 55.9#

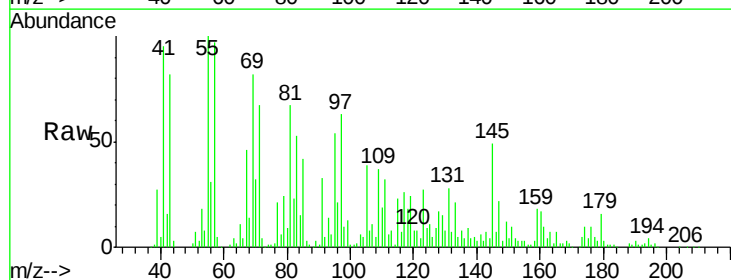


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

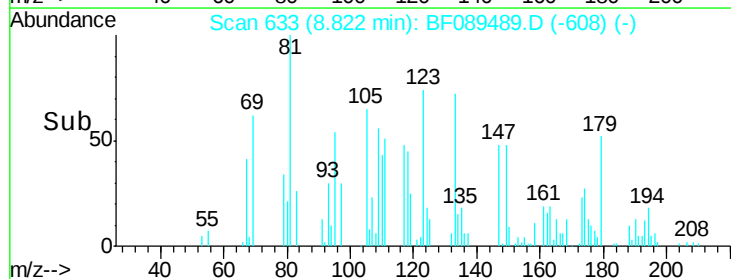
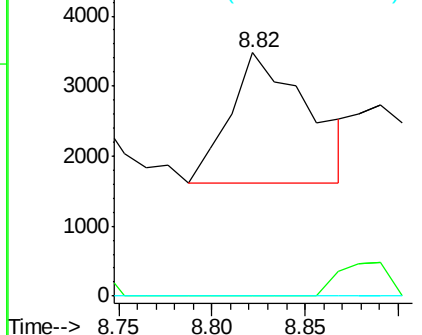


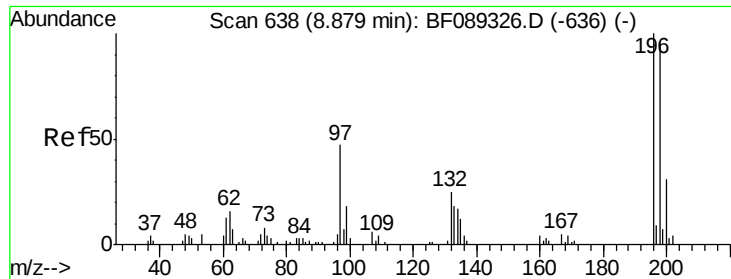
#42
 2,4,6-Trichlorophenol
 Concen: 8.28 ng
 RT: 8.82 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: BF089489.D
 Acq: 1 Aug 2016 2:03

Tgt Ion:196 Resp: 5449
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.5 113.3#
 200 0.0 23.9 35.9#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

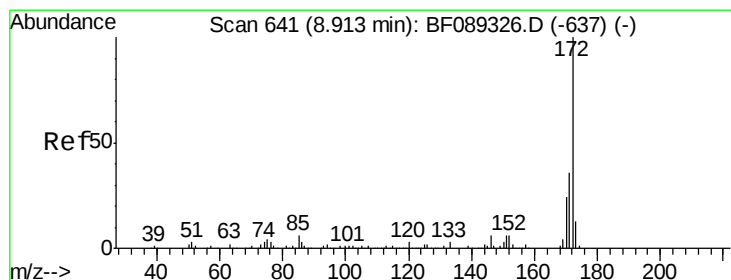
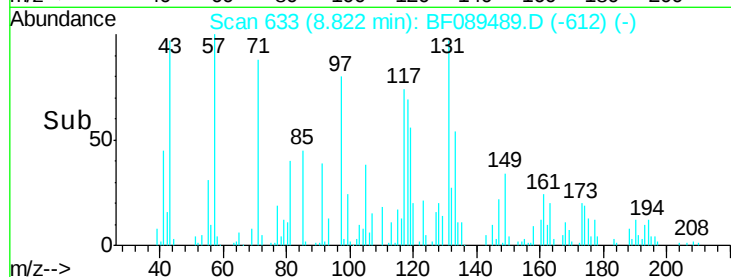
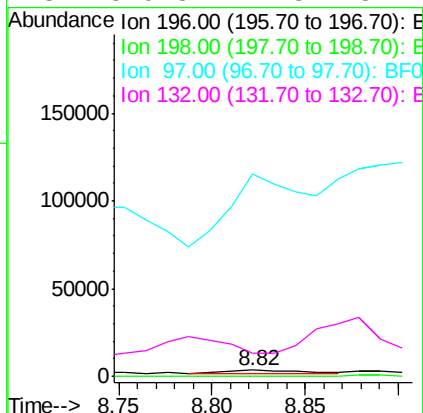
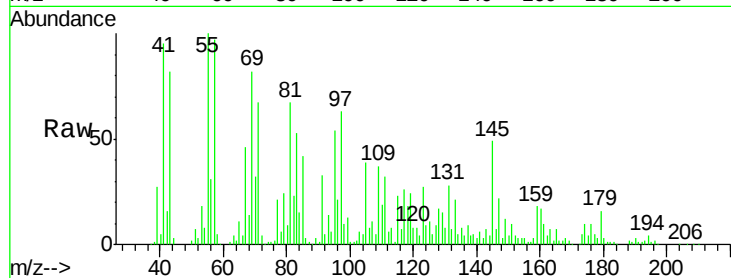




#43
 2,4,5-Trichlorophenol
 Concen: 6.54 ng
 RT: 8.82 min Scan# 633
 Delta R.T. -0.06 min
 Lab File: BF089489.D
 Acq: 1 Aug 2016 2:03

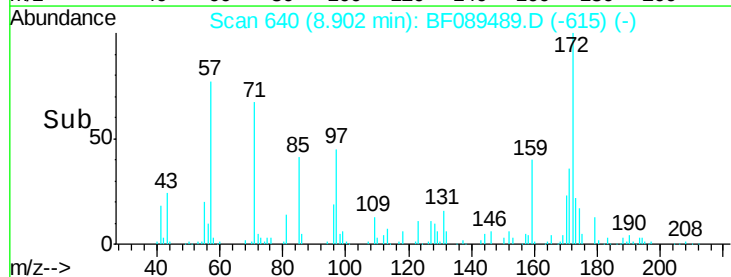
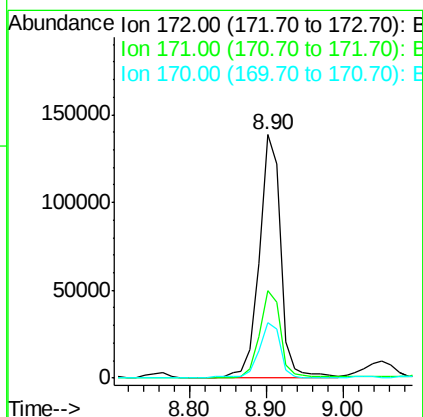
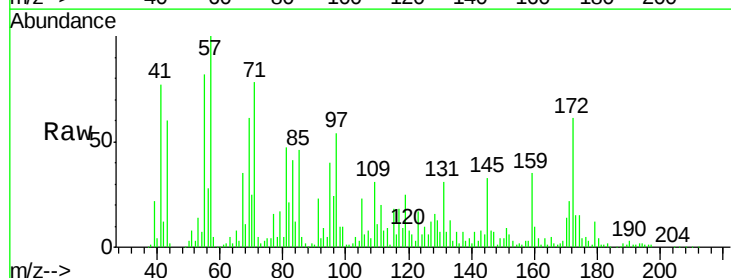
Instrument :
 BNA_F
 ClientSampleId :

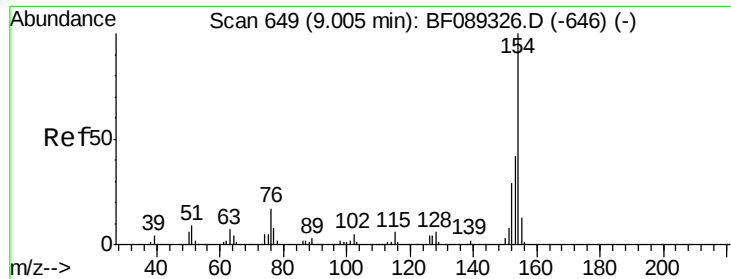
Tot Ion:196 Resp: 5449
 Ion Ratio Lower Upper
 196 100
 198 0.0 78.7 118.1#
 97 3322.9 39.7 59.5#
 132 379.3 22.8 34.2#



#44
 2-Fluorobiphenyl
 Concen: 98.77 ng
 RT: 8.90 min Scan# 640
 Delta R.T. -0.01 min
 Lab File: BF089489.D
 Acq: 1 Aug 2016 2:03

Tgt Ion:172 Resp: 266112
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 22.9 19.2 28.8





#45

1,1'-Biphenyl

Concen: 8.84 ng

RT: 9.00 min Scan# 649

Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

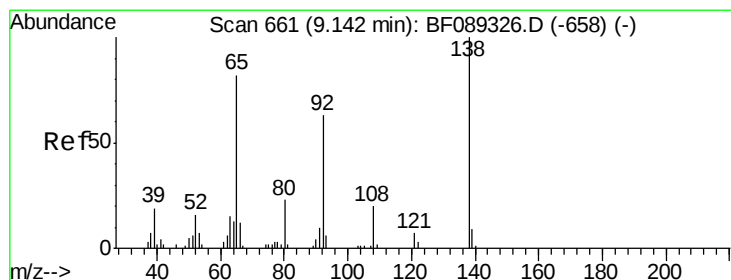
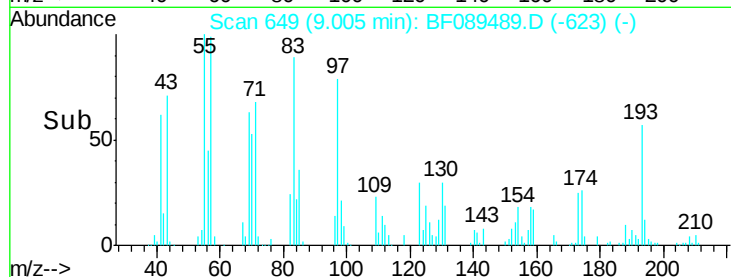
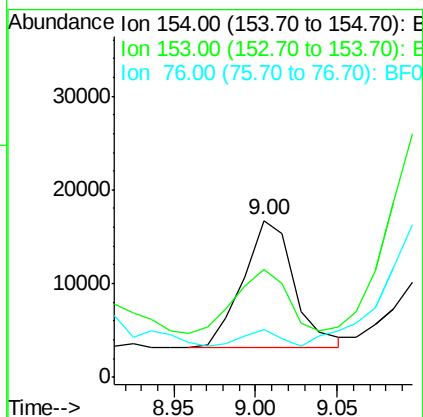
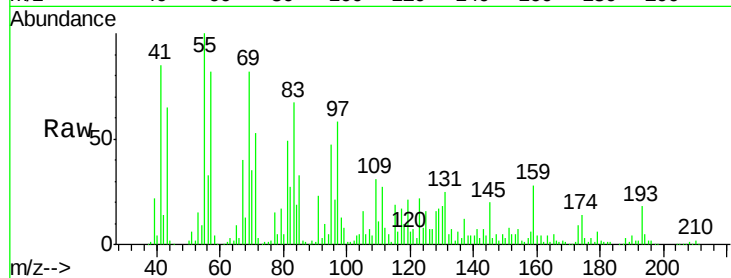
Tot Ion:154 Resp: 29763

Ion Ratio Lower Upper

154 100

153 69.3 21.0 61.0#

76 30.8 0.0 36.6



#47

2-Nitroaniline

Concen: 13.10 ng

RT: 9.20 min Scan# 666

Delta R.T. 0.06 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

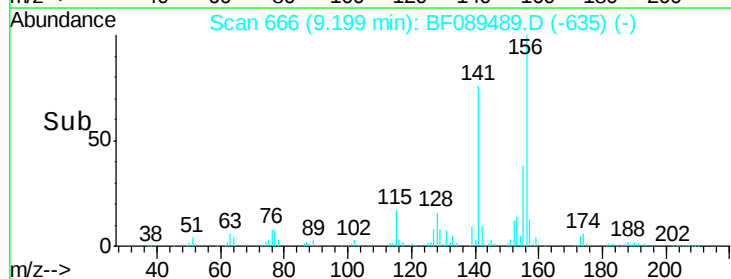
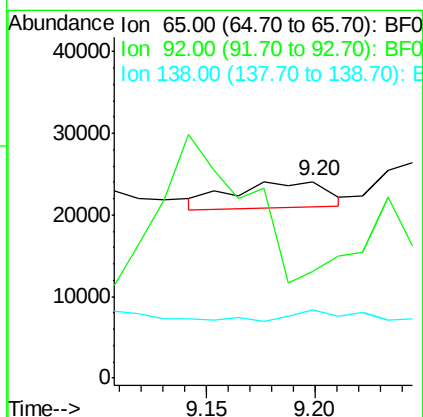
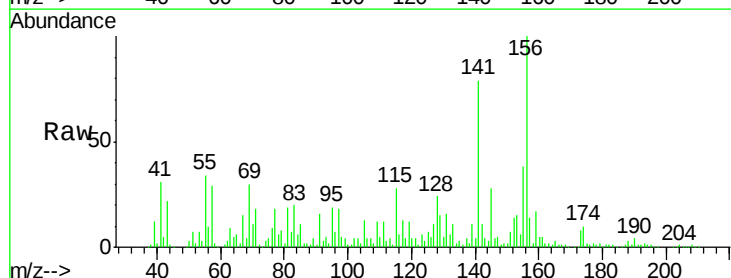
Tgt Ion: 65 Resp: 9807

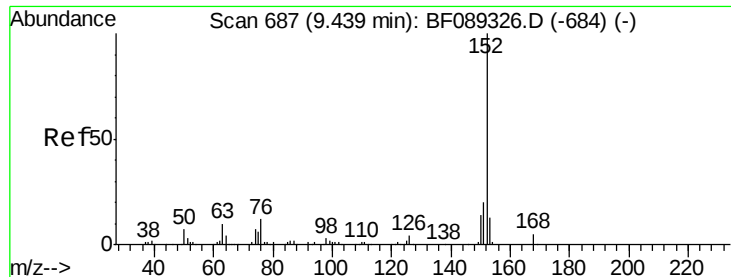
Ion Ratio Lower Upper

65 100

92 54.4 61.0 91.4#

138 34.8 99.1 148.7#





#48

Acenaphthylene

Concen: 10.17 ng

RT: 9.45 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

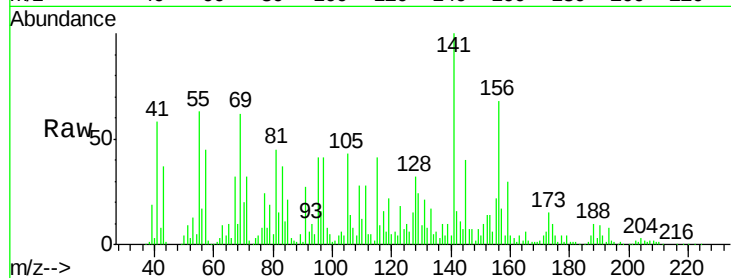
Tot Ion:152 Resp: 40488

Ion Ratio Lower Upper

152 100

151 67.2 16.2 24.2#

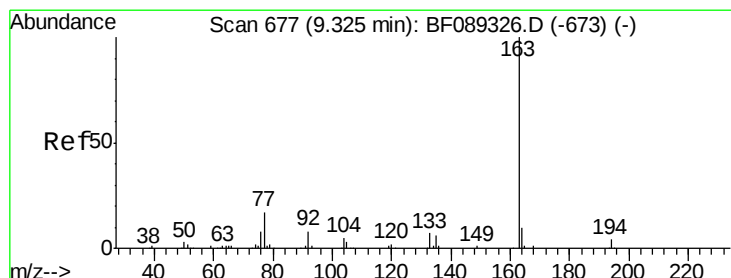
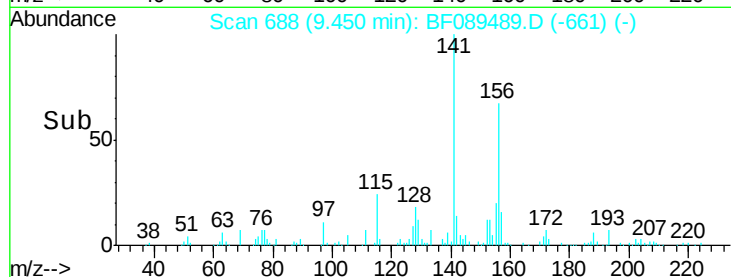
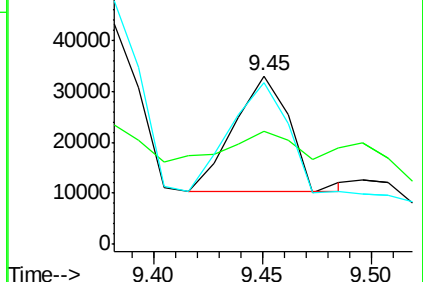
153 96.3 10.2 15.4#



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: 22.80 ng

RT: 9.30 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

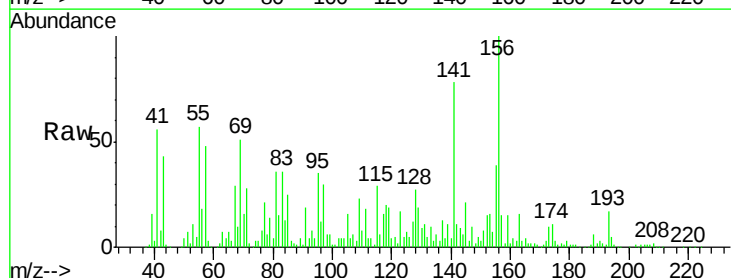
Tgt Ion:163 Resp: 68603

Ion Ratio Lower Upper

163 100

194 29.3 2.8 4.2#

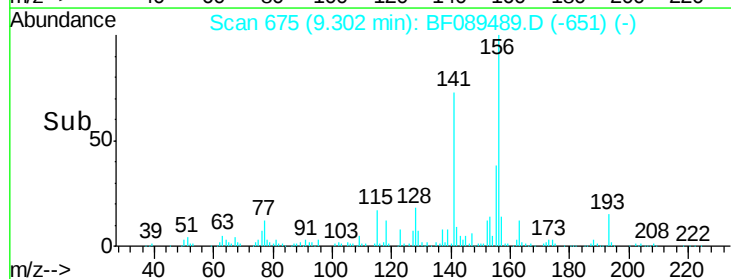
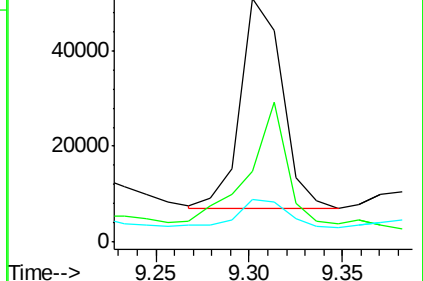
164 17.7 7.8 11.8#

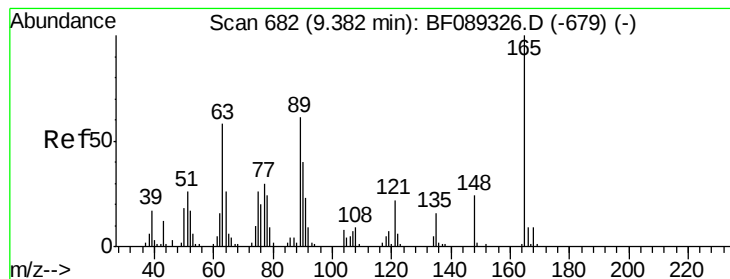


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 62.87 ng

RT: 9.44 min Scan# 687

Delta R.T. 0.06 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

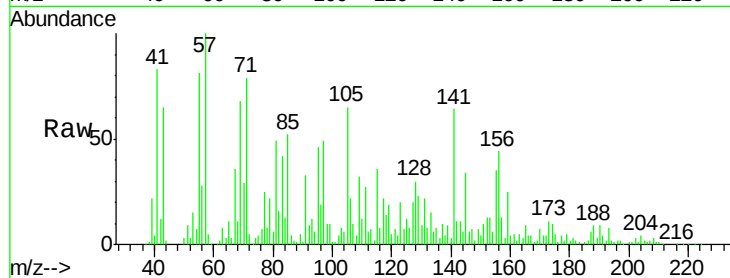
Tot Ion:165 Resp: 38875

Ion Ratio Lower Upper

165 100

63 92.5 43.5 65.3#

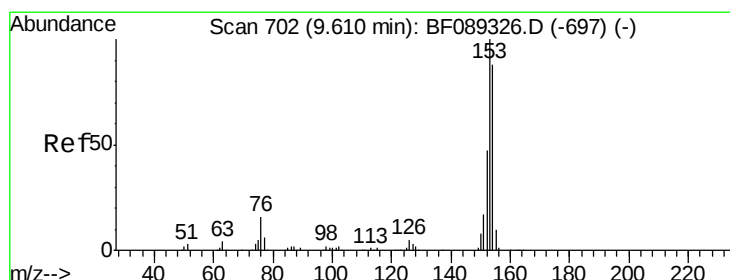
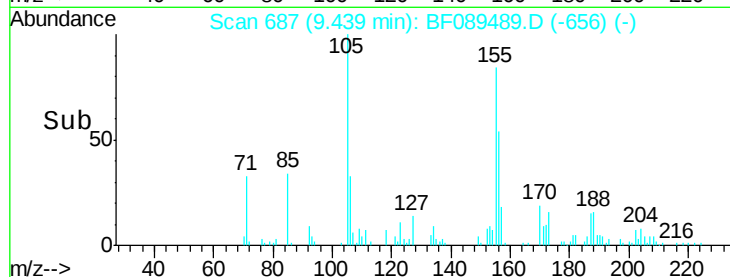
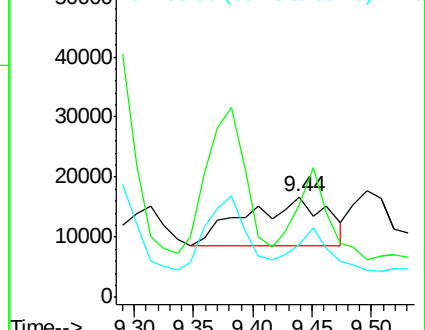
89 52.7 45.0 67.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 41.83 ng

RT: 9.62 min Scan# 703

Delta R.T. 0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

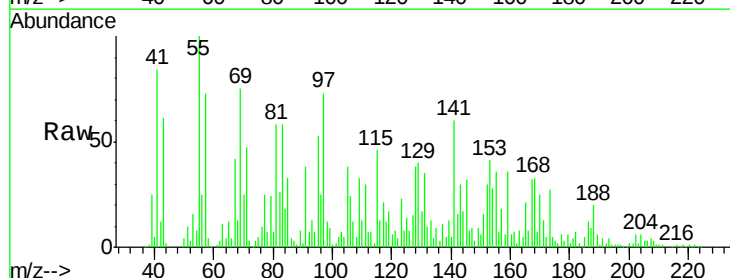
Tgt Ion:154 Resp: 97274

Ion Ratio Lower Upper

154 100

153 146.4 91.4 137.2#

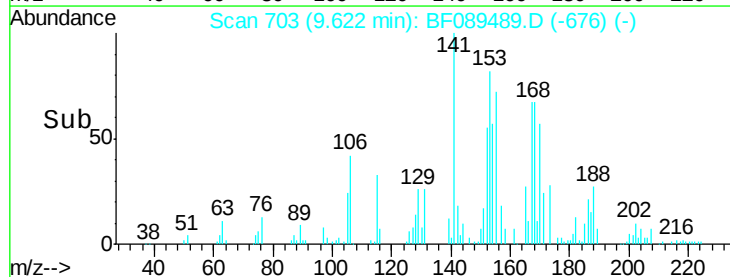
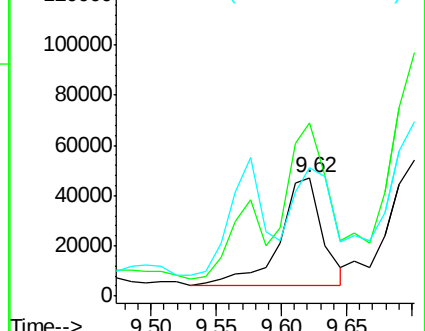
152 108.4 43.8 65.6#

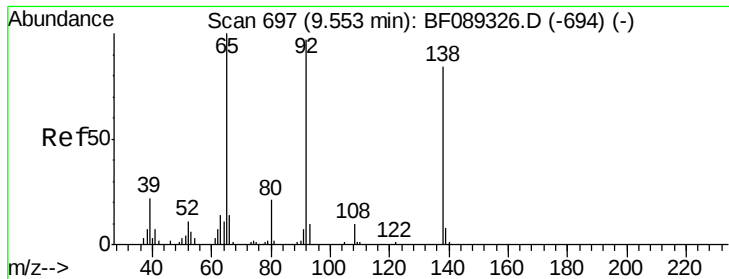


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 13.40 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

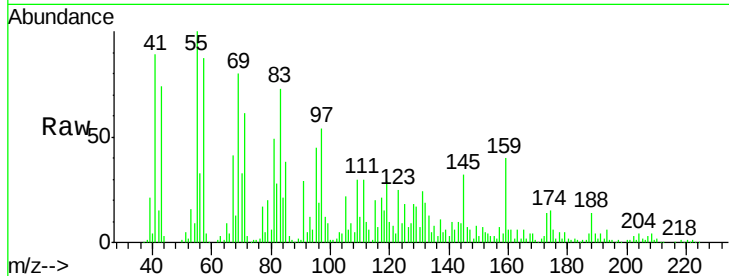
Tot Ion:138 Resp: 8745

Ion Ratio Lower Upper

138 100

108 88.7 8.6 13.0#

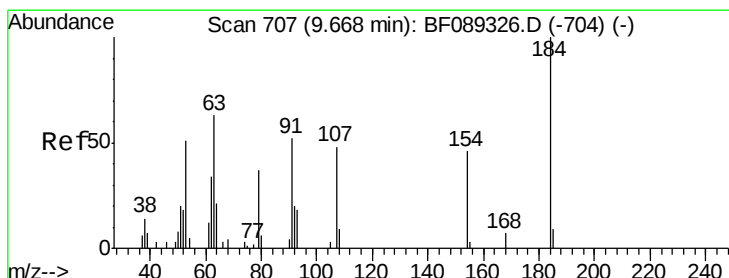
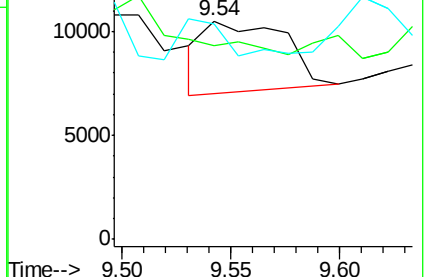
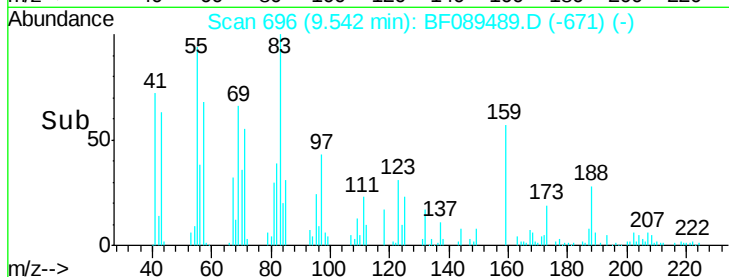
92 98.7 90.0 135.0



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#53

2,4-Dinitrophenol

Concen: 74.01 ng

RT: 9.87 min Scan# 725

Delta R.T. 0.21 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

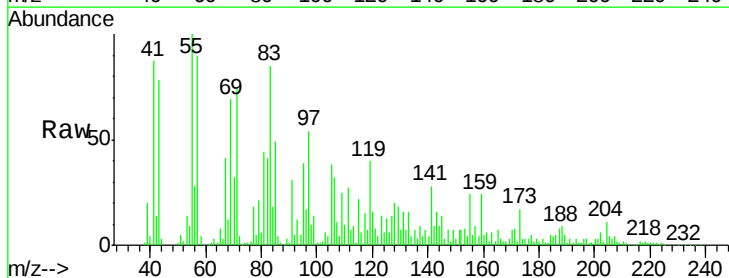
Tgt Ion:184 Resp: 20338

Ion Ratio Lower Upper

184 100

63 68.8 60.6 90.8

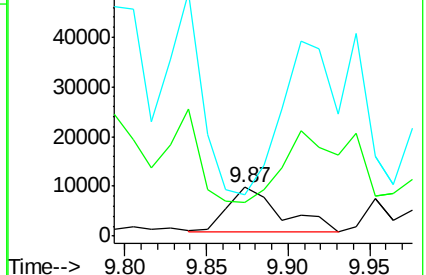
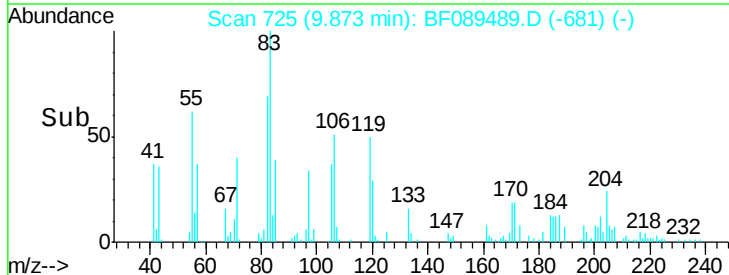
154 86.3 69.8 104.8

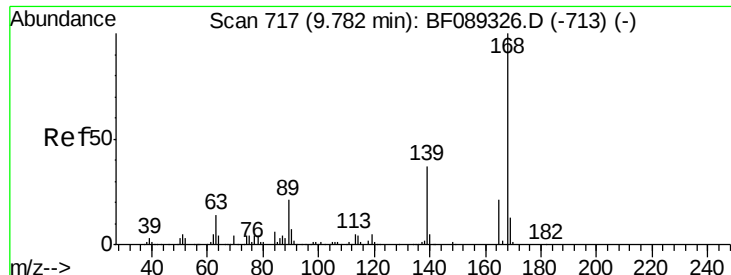


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

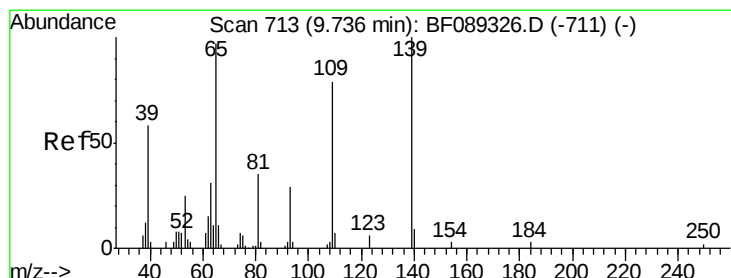
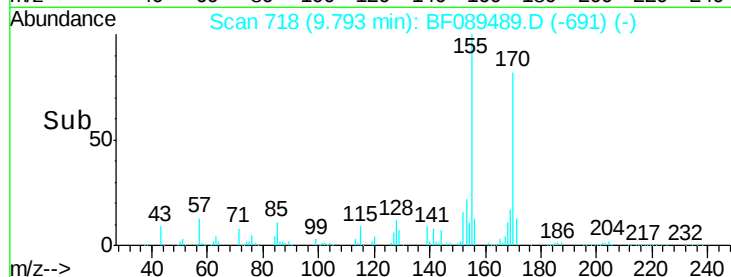
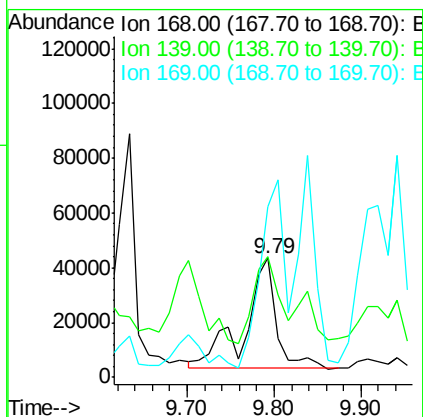
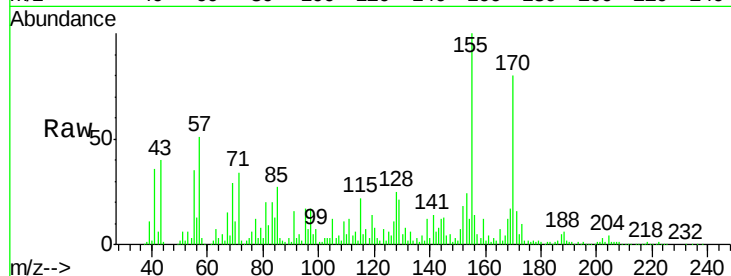




#54
Dibenzofuran
Concen: 32.55 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.01 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

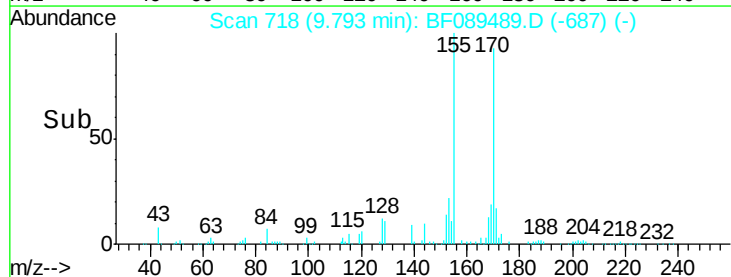
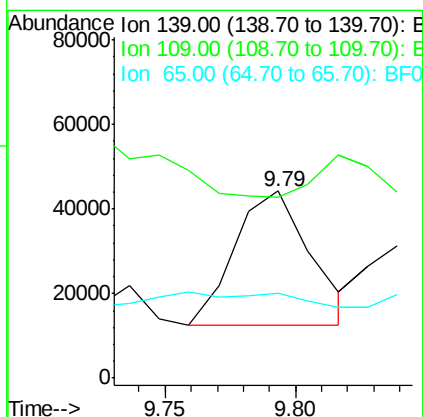
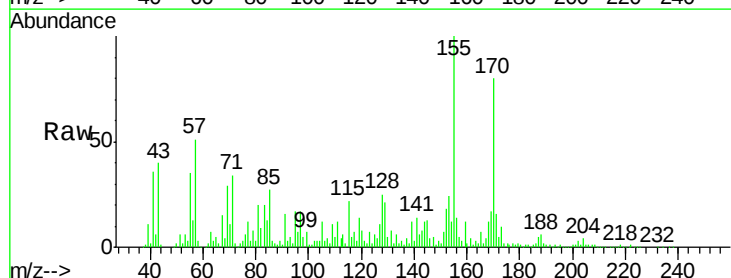
Instrument :
BNA_F
ClientSampleId :

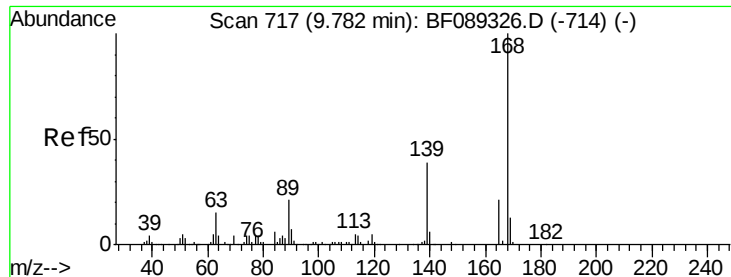
Tot Ion:168 Resp: 103151
Ion Ratio Lower Upper
168 100
139 101.6 33.7 50.5#
169 143.5 10.7 16.1#



#55
4-Nitrophenol
Concen: 193.57 ng
RT: 9.79 min Scan# 718
Delta R.T. 0.06 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Tgt Ion:139 Resp: 64538
Ion Ratio Lower Upper
139 100
109 96.8 57.8 97.8
65 45.5 81.7 121.7#





#56

2,4-Dinitrotoluene

Concen: 32.95 ng

RT: 9.80 min Scan# 719

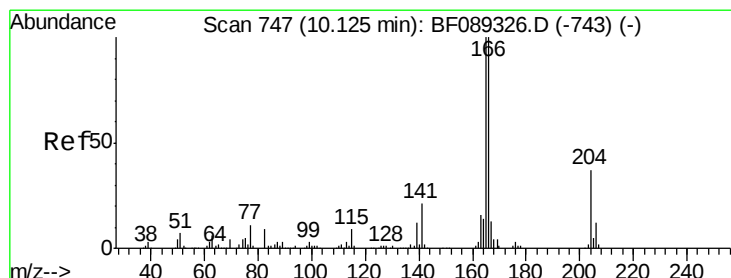
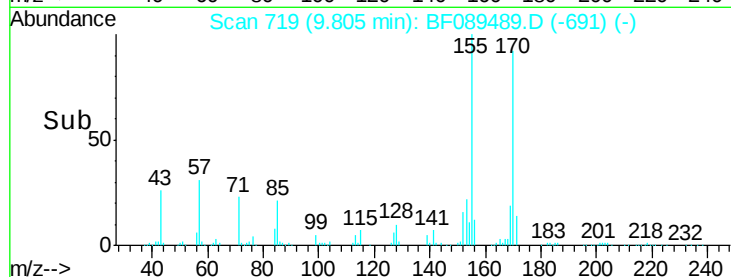
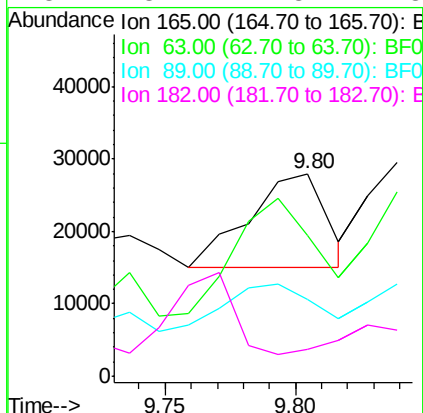
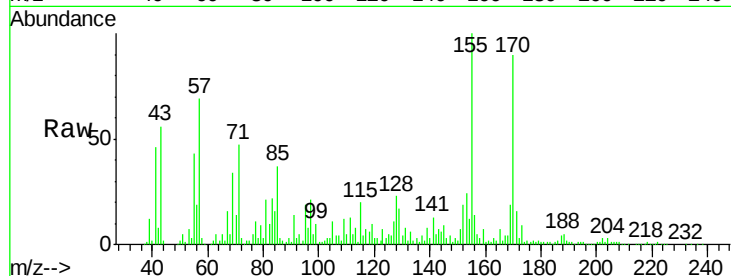
Delta R.T. 0.02 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	26819
Ion Ratio	Lower	Upper
165	100	
63	69.3	58.2 87.2
89	38.3	79.1 118.7#
182	13.4	1.8 2.8#



#57

Fluorene

Concen: 92.08 ng

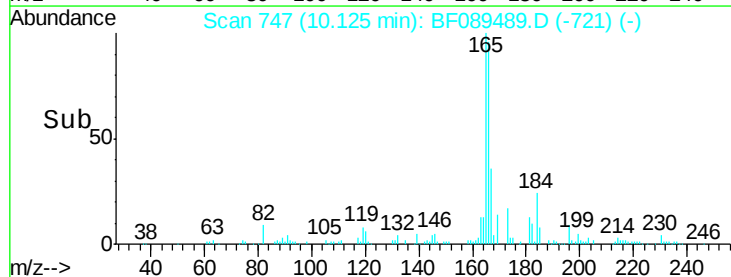
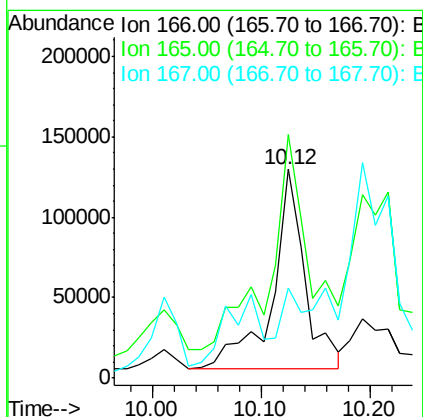
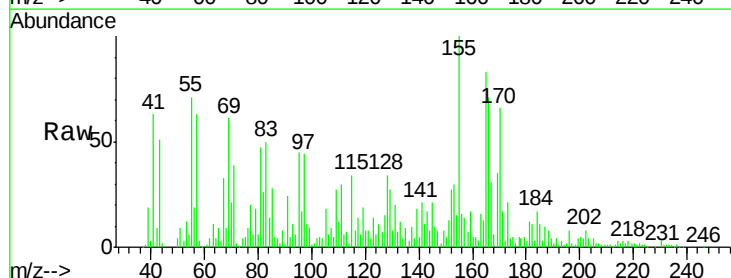
RT: 10.12 min Scan# 747

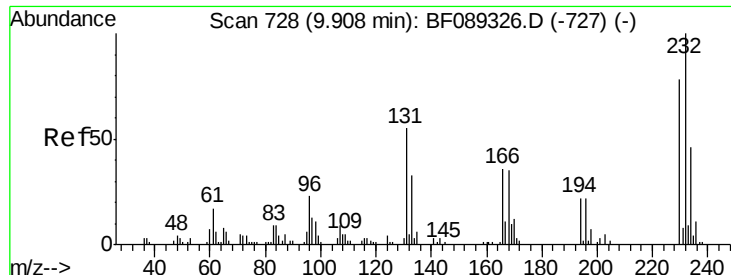
Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Tgt Ion:166	Resp:	254729
Ion Ratio	Lower	Upper
166	100	
165	116.5	79.0 118.4
167	43.1	10.2 15.2#

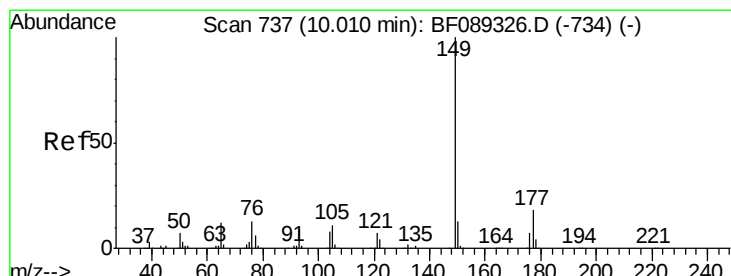
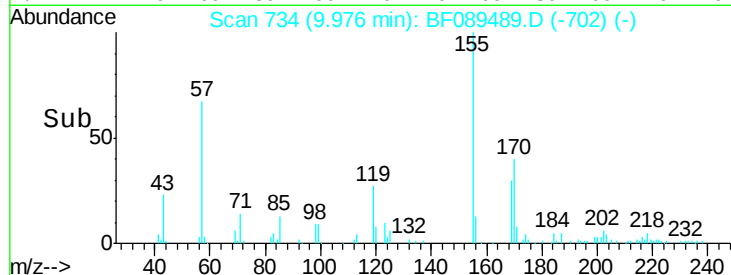
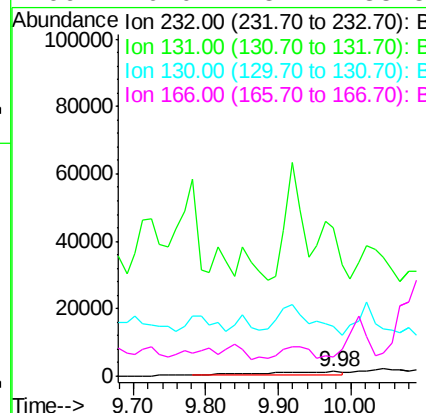
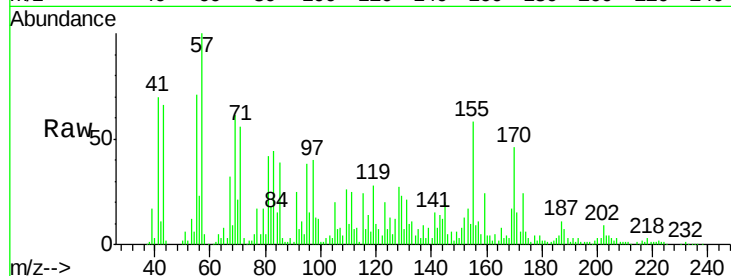




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 12.54 ng
 RT: 9.98 min Scan# 734
 Delta R.T. 0.07 min
 Lab File: BF089489.D
 Acq: 1 Aug 2016 2:03

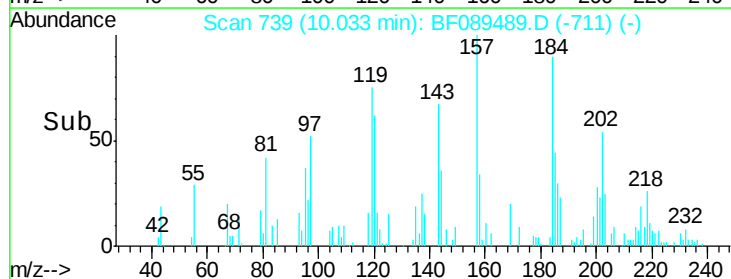
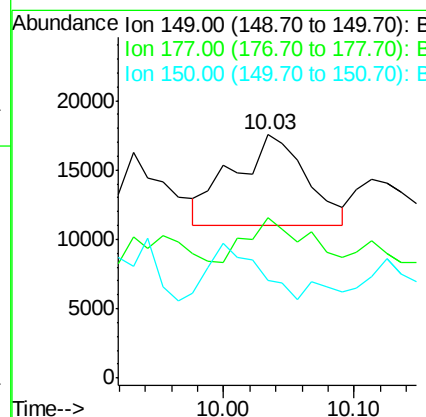
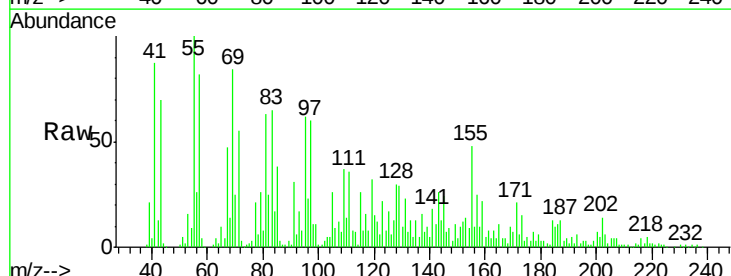
Instrument :
 BNA_F
 ClientSampled :

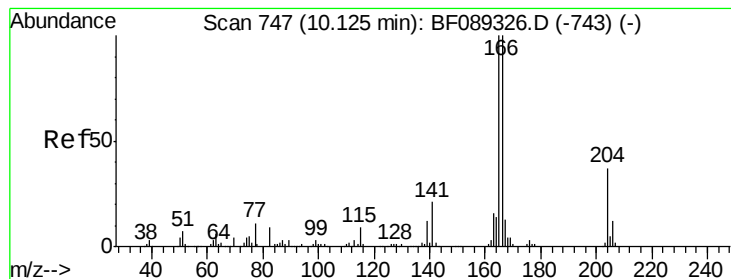
Tot Ion:232 Resp: 6975
 Ion Ratio Lower Upper
 232 100
 131 363.1 42.7 64.1#
 130 0.0 1.7 2.5#
 166 0.0 25.7 38.5#



#59
 Diethylphthalate
 Concen: 8.41 ng
 RT: 10.03 min Scan# 739
 Delta R.T. 0.02 min
 Lab File: BF089489.D
 Acq: 1 Aug 2016 2:03

Tgt Ion:149 Resp: 25672
 Ion Ratio Lower Upper
 149 100
 177 65.8 15.1 22.7#
 150 40.3 10.2 15.4#





#60

4-Chlorophenyl-phenylether

Concen: 7.07 ng

RT: 10.08 min Scan# 743

Delta R.T. -0.05 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampled :

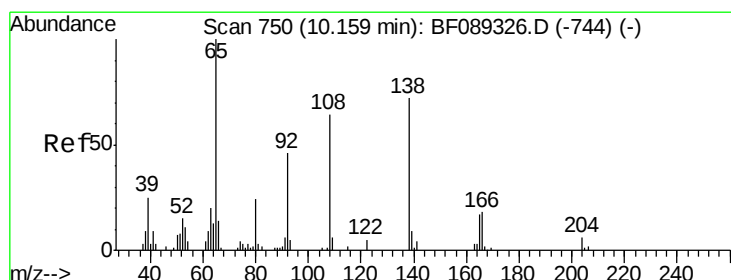
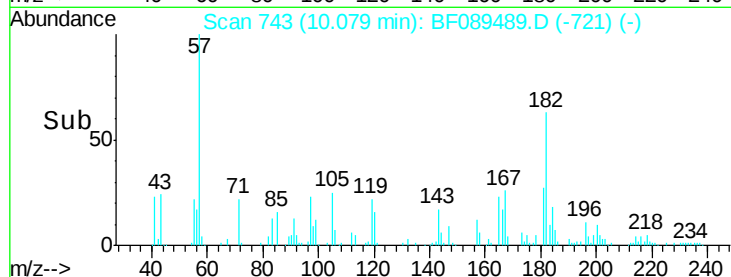
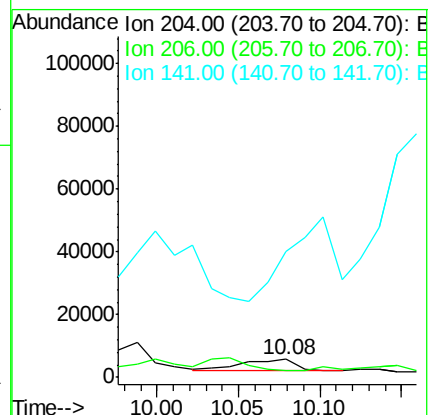
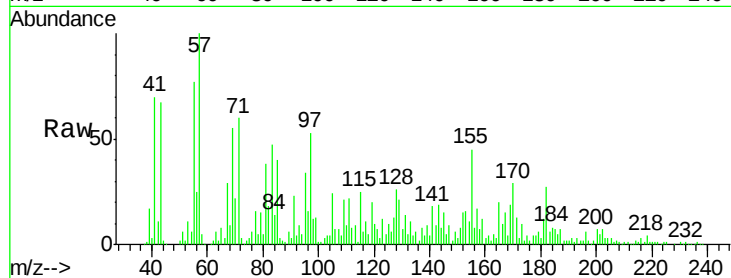
Tot Ion:204 Resp: 8972

Ion Ratio Lower Upper

204 100

206 39.1 26.6 39.8

141 701.7 46.6 70.0#



#61

4-Nitroaniline

Concen: 15.60 ng

RT: 10.22 min Scan# 755

Delta R.T. 0.06 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

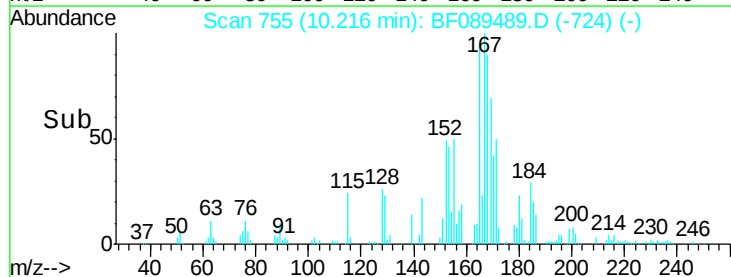
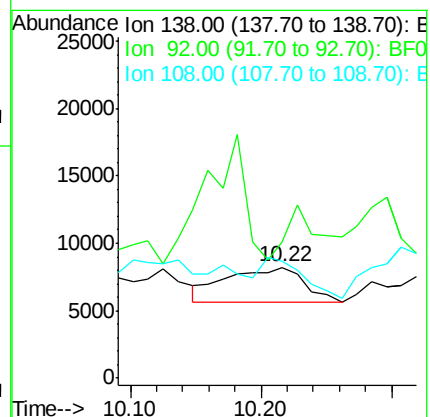
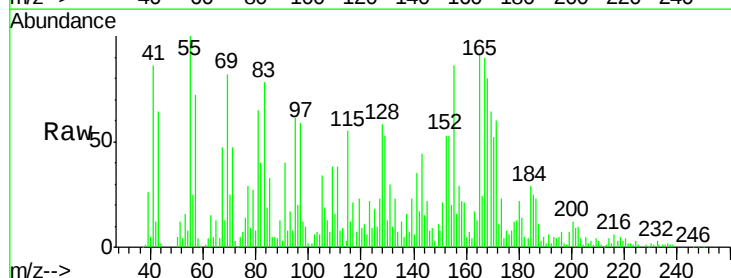
Tgt Ion:138 Resp: 10494

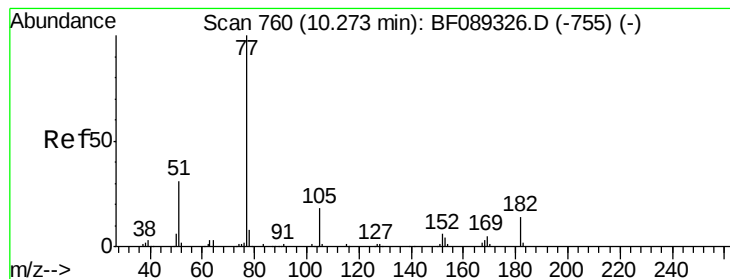
Ion Ratio Lower Upper

138 100

92 122.9 41.2 81.2#

108 104.9 69.6 109.6





#62

Azobenzene

Concen: 9.47 ng

RT: 10.28 min Scan# 761

Delta R.T. 0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 29758

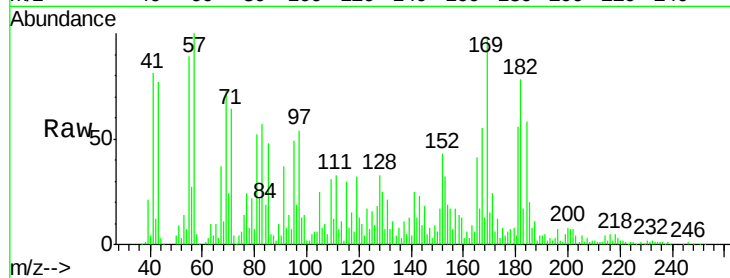
Ion Ratio Lower Upper

77 100

182 317.5 0.0 33.8#

105 102.9 0.0 39.8#

51 38.2 11.0 51.0

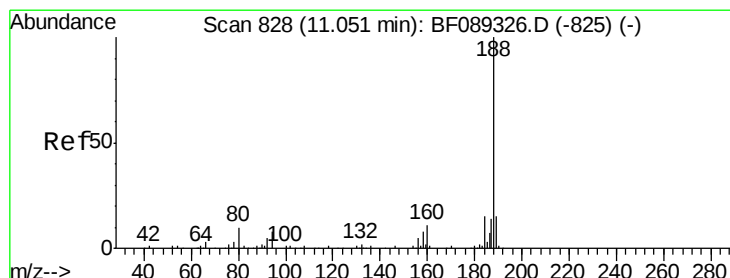
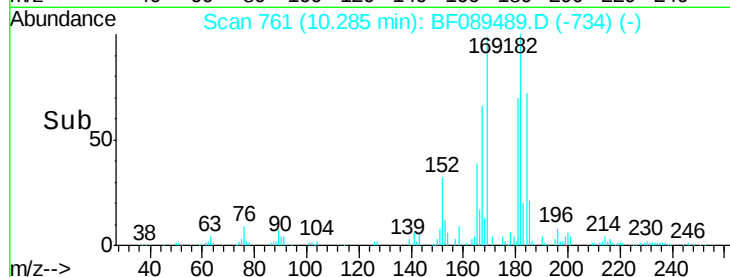
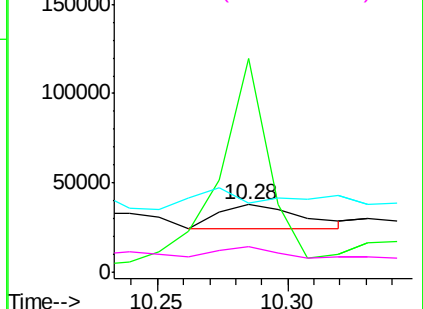


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.05 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

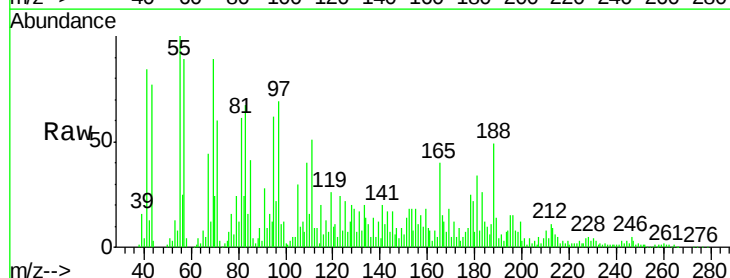
Tgt Ion: 188 Resp: 71520

Ion Ratio Lower Upper

188 100

94 25.1 6.5 9.7#

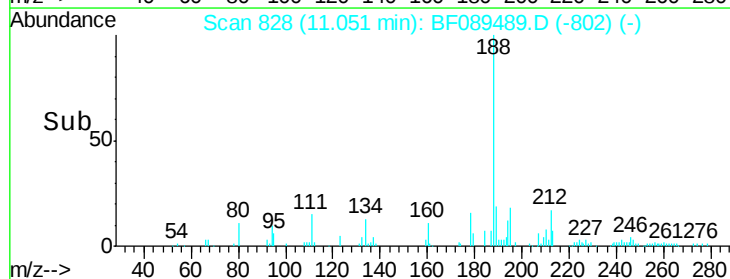
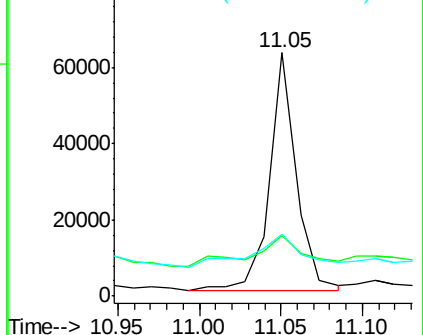
80 25.3 7.2 10.8#

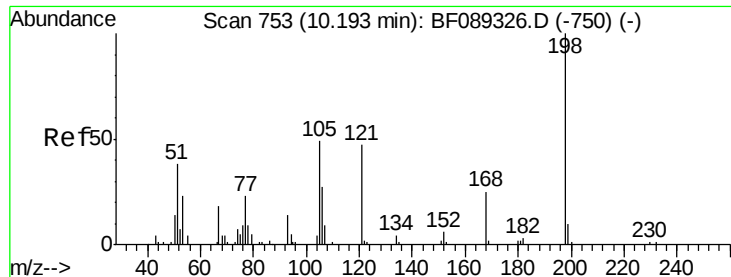


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 6.84 ng

RT: 10.20 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampled :

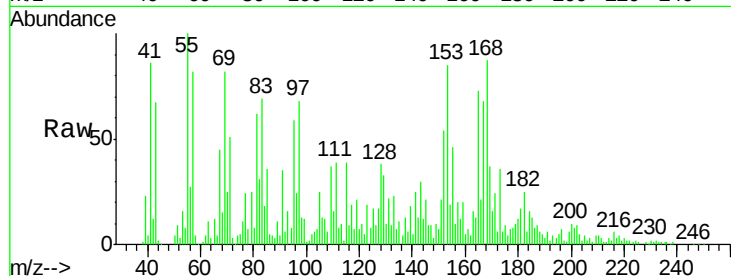
Tot Ion:198 Resp: 1188

Ion Ratio Lower Upper

198 100

51 650.7 23.0 63.0#

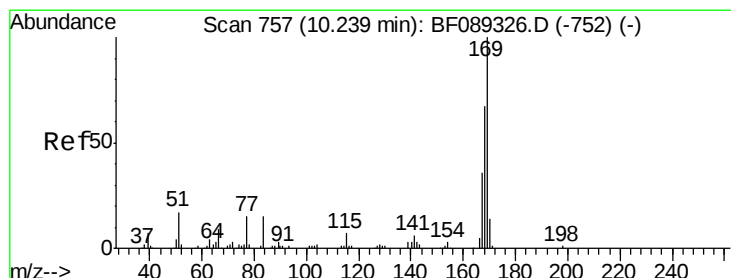
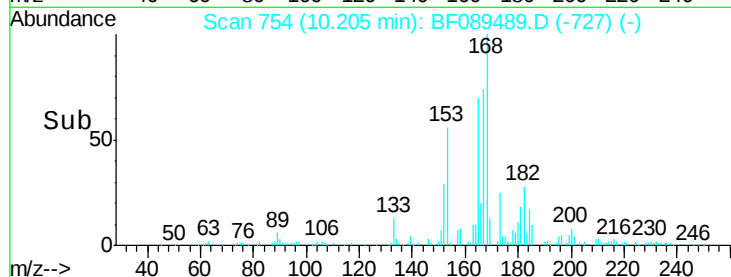
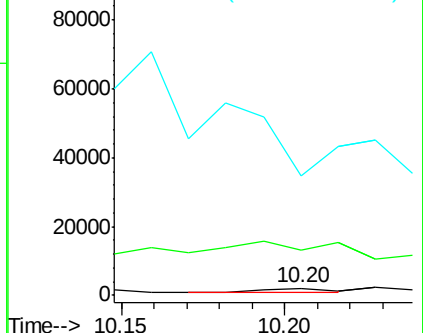
105 1740.6 28.3 68.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 154.80 ng

RT: 10.25 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

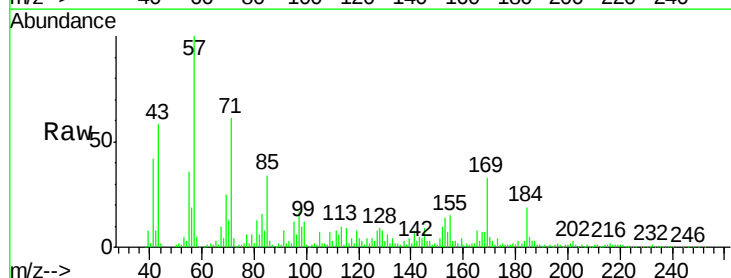
Tgt Ion:169 Resp: 345457

Ion Ratio Lower Upper

169 100

168 22.2 55.4 83.0#

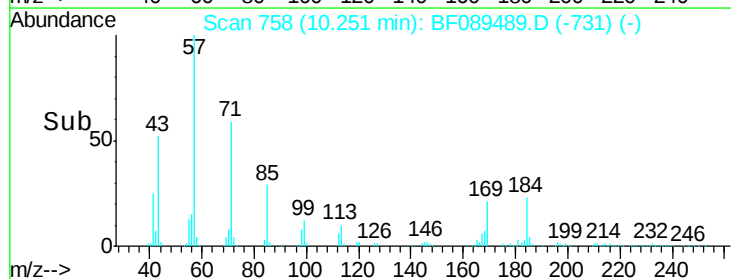
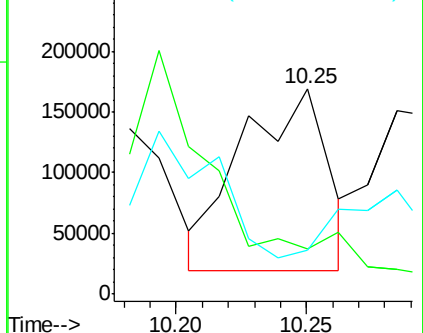
167 21.5 29.7 44.5#

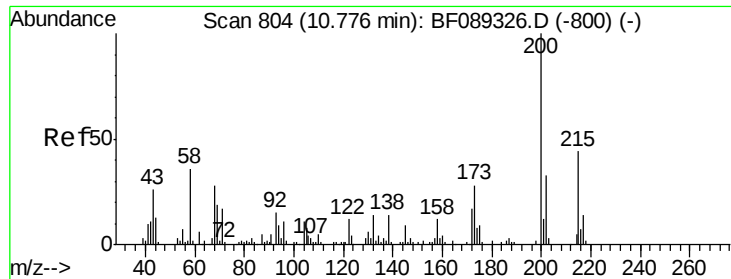


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 42.82 ng

RT: 10.76 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

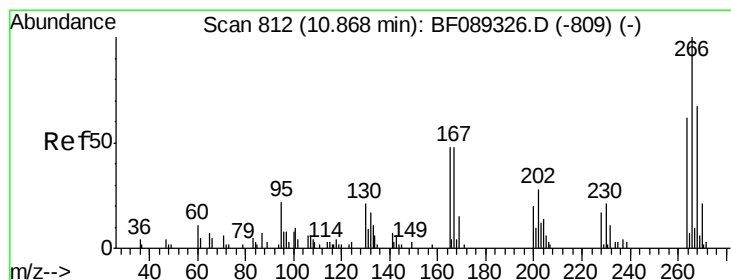
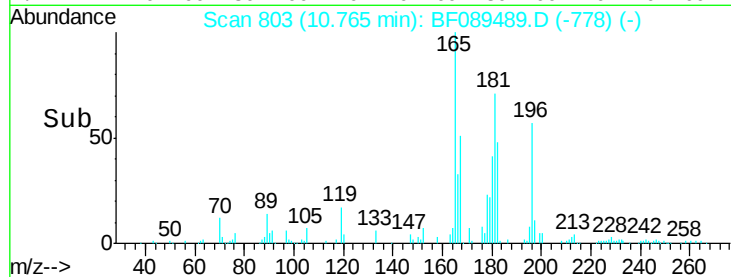
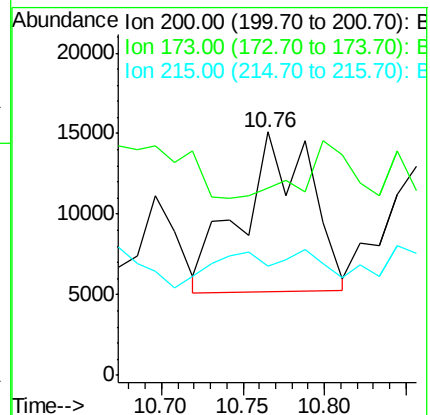
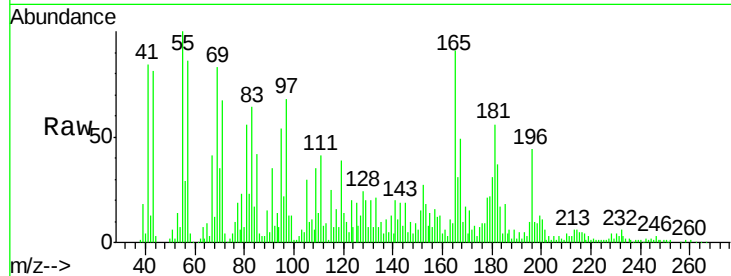
Tot Ion:200 Resp: 29354

Ion Ratio Lower Upper

200 100

173 77.0 6.0 46.0#

215 45.0 24.3 64.3



#69

Pentachlorophenol

Concen: 8.39 ng

RT: 10.84 min Scan# 810

Delta R.T. -0.02 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

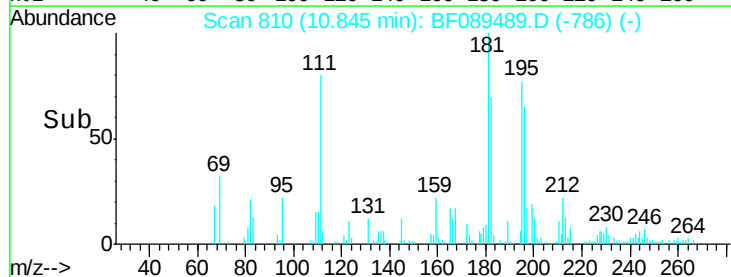
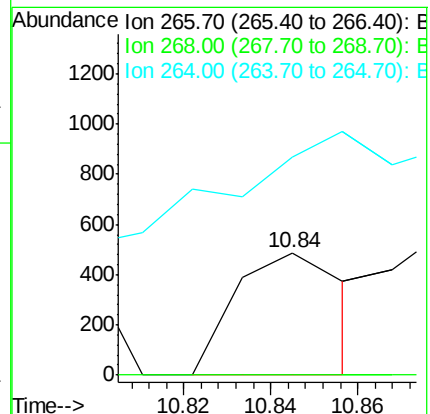
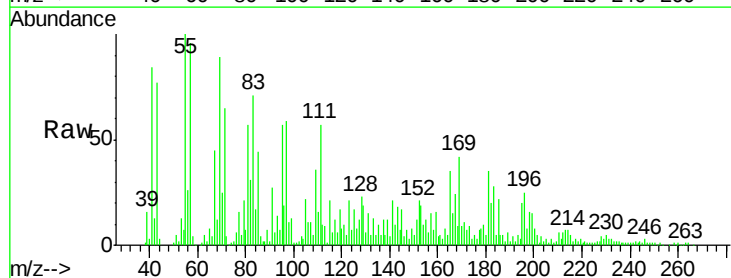
Tgt Ion:266 Resp: 856

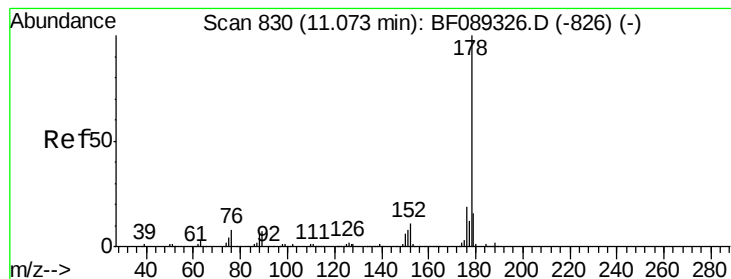
Ion Ratio Lower Upper

266 100

268 0.0 49.4 74.2#

264 178.3 50.2 75.2#





#70

Phenanthrene

Concen: 201.17 ng

RT: 11.08 min Scan# 831

Delta R.T. 0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampled :

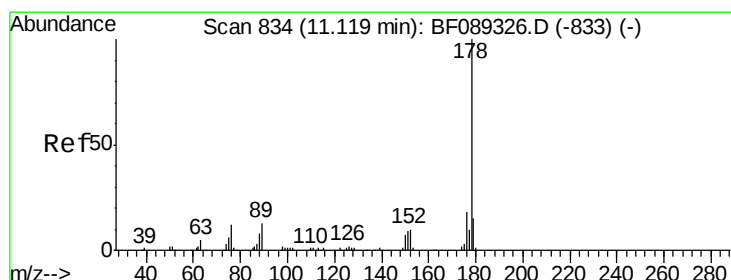
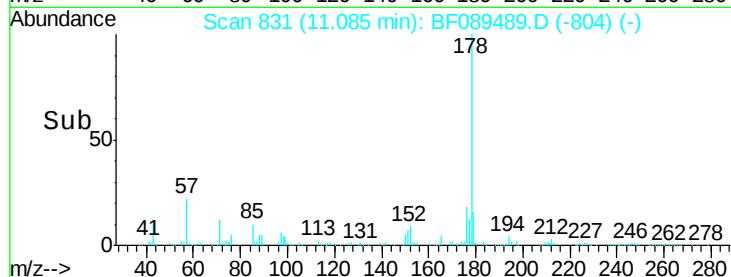
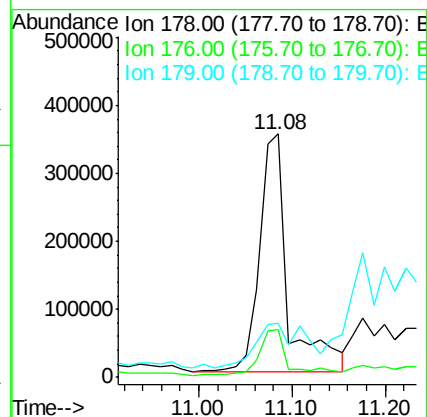
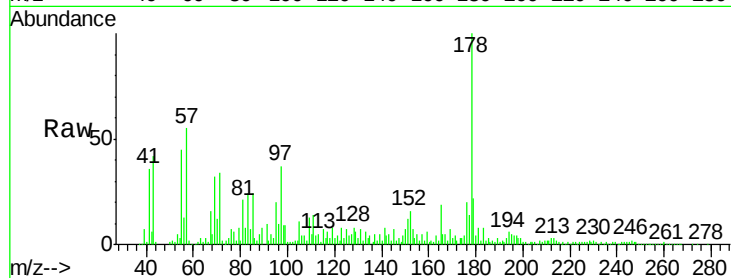
Tot Ion:178 Resp: 742043

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 22.3 12.3 18.5#



#71

Anthracene

Concen: 180.94 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

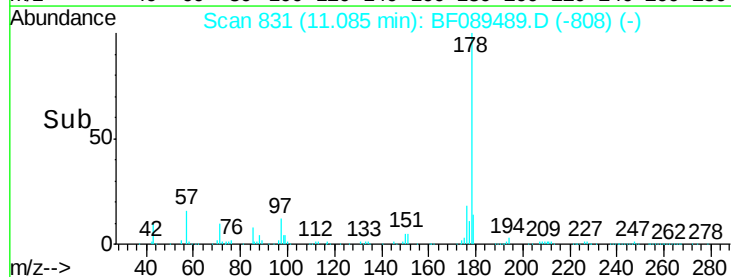
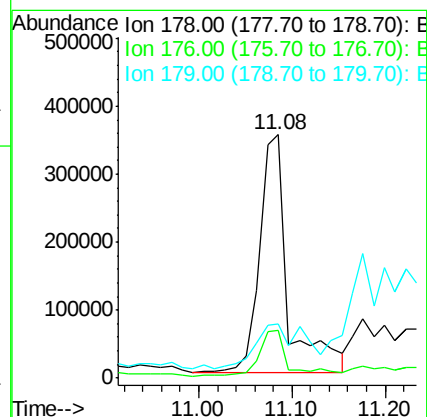
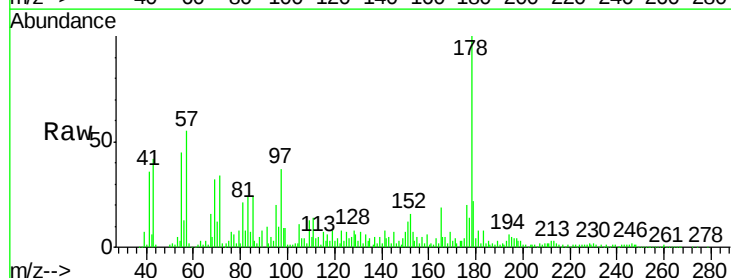
Tgt Ion:178 Resp: 742043

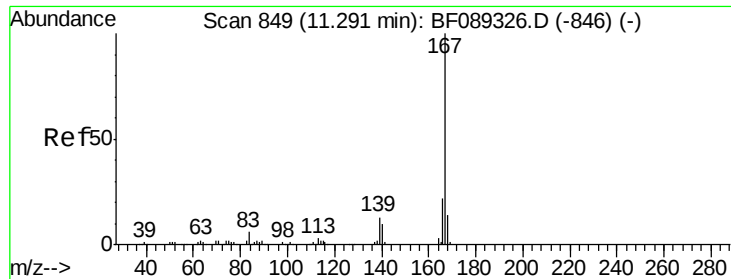
Ion Ratio Lower Upper

178 100

176 19.5 14.8 22.2

179 22.3 12.6 18.8#





#72

Carbazole

Concen: 8.17 ng

RT: 11.28 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

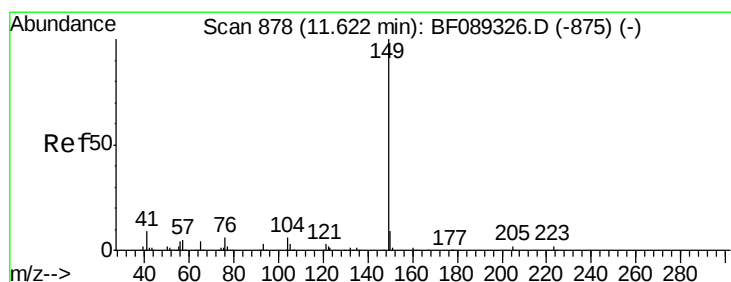
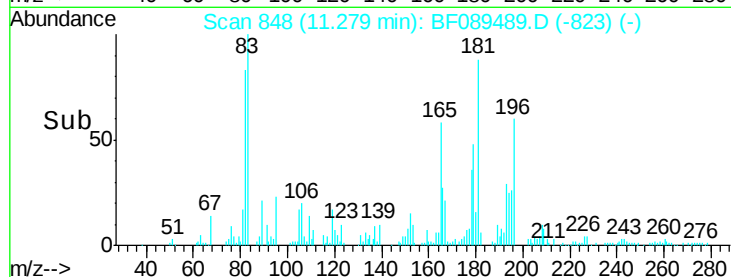
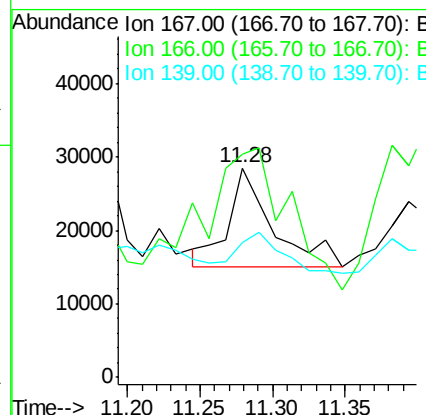
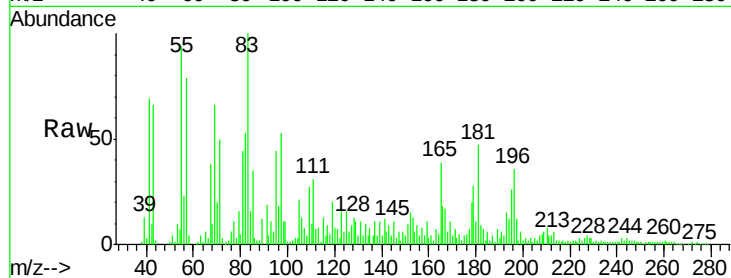
Tot Ion:167 Resp: 28194

Ion Ratio Lower Upper

167 100

166 106.6 17.6 26.4#

139 64.3 10.1 15.1#



#73

Di-n-butylphthalate

Concen: 2.21 ng

RT: 11.59 min Scan# 875

Delta R.T. -0.03 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

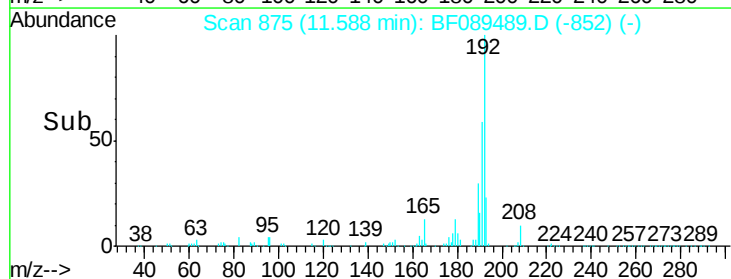
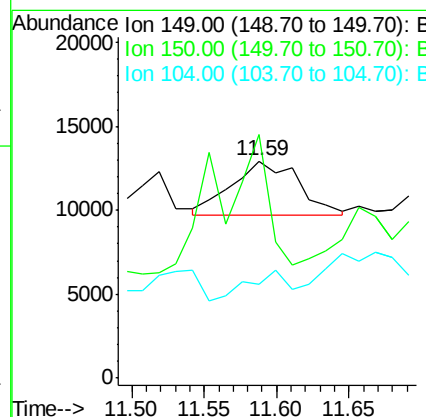
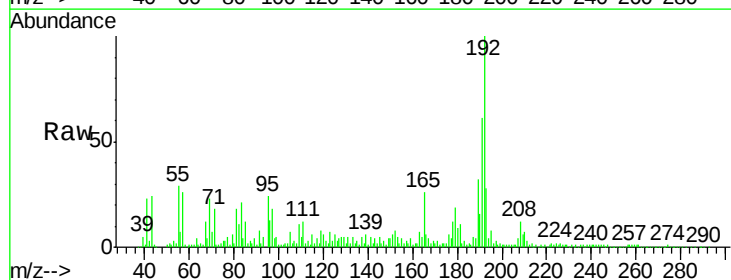
Tgt Ion:149 Resp: 10224

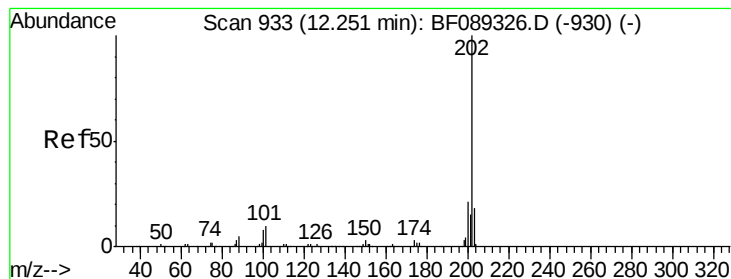
Ion Ratio Lower Upper

149 100

150 112.0 7.4 11.0#

104 43.4 4.7 7.1#





#74

Fluoranthene

Concen: 47.63 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.22 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

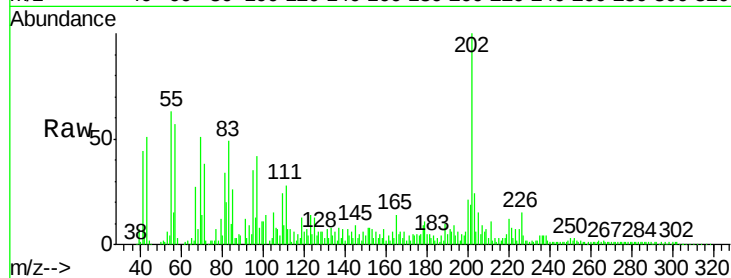
Tot Ion:202 Resp: 184828

Ion Ratio Lower Upper

202 100

101 14.4 0.0 29.9

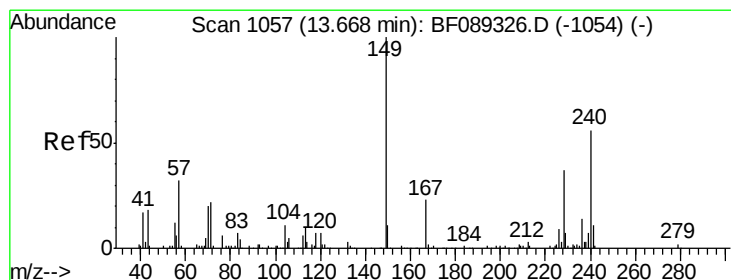
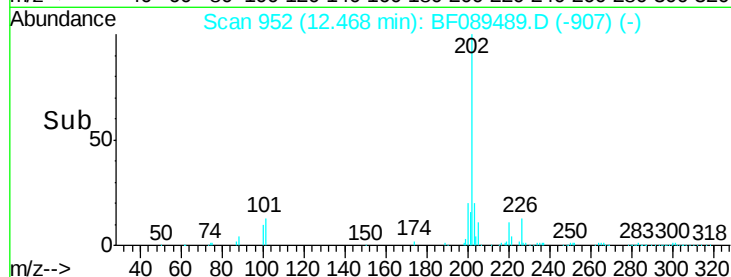
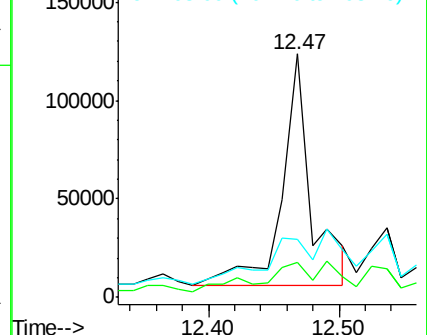
203 24.1 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

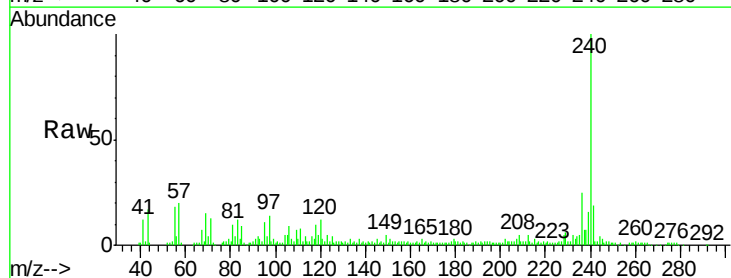
Tgt Ion:240 Resp: 90705

Ion Ratio Lower Upper

240 100

120 11.7 9.1 13.7

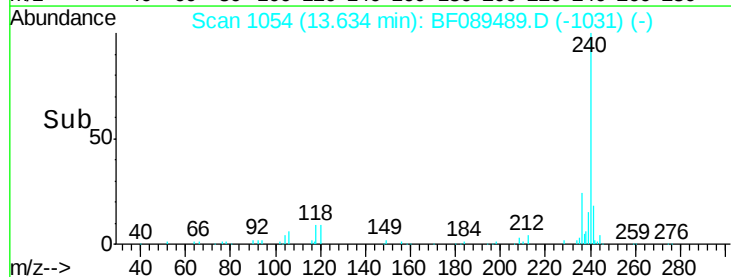
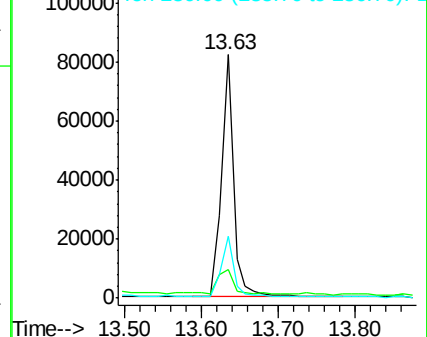
236 25.2 20.6 30.8

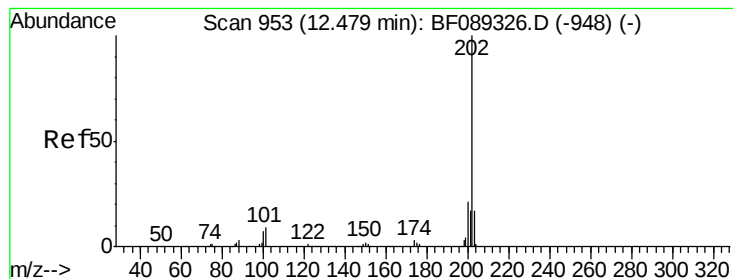


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 27.55 ng

RT: 12.47 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

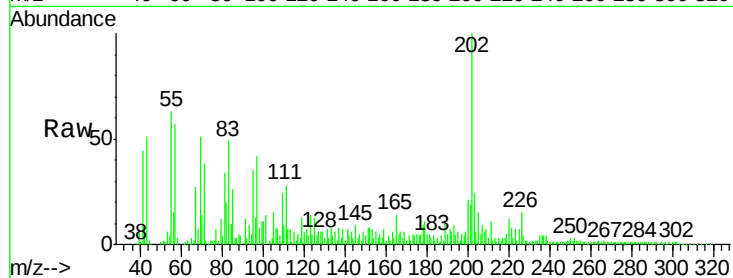
Tot Ion:202 Resp: 189391

Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

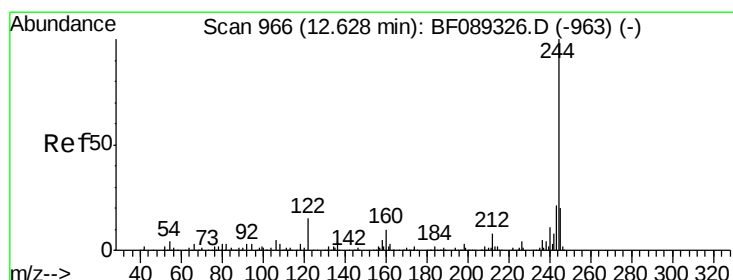
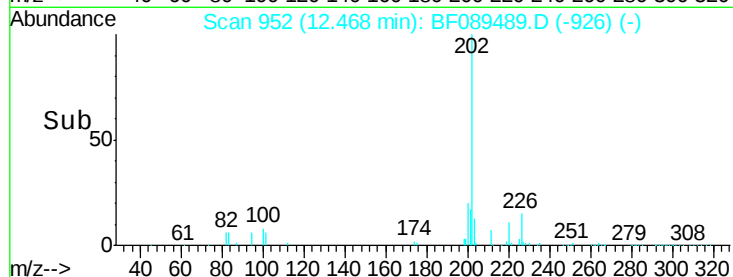
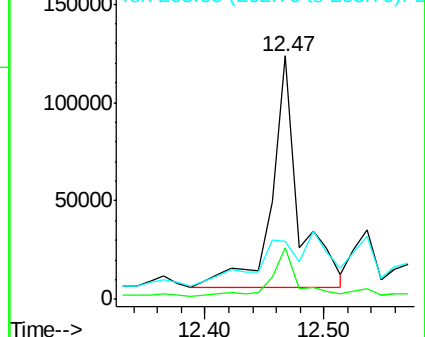
203 24.1 14.0 21.0#



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: 79.58 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

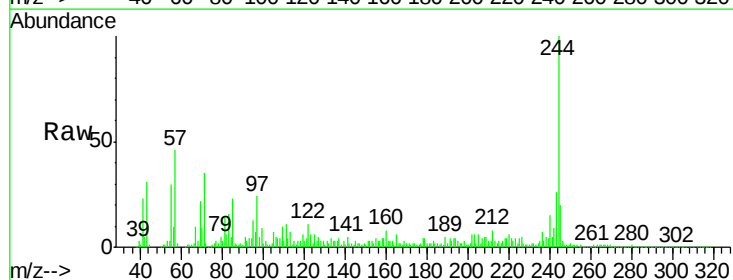
Tgt Ion:244 Resp: 308403

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

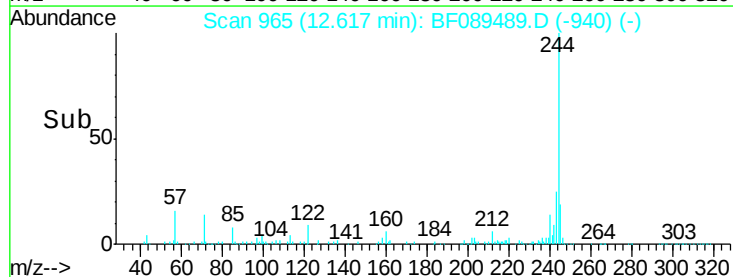
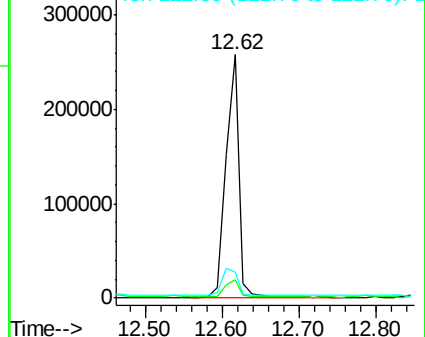
122 10.8 11.4 17.0#

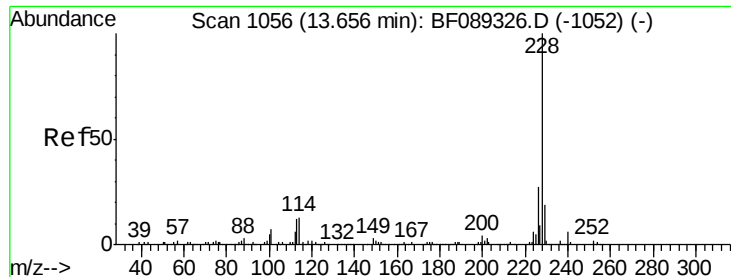


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.31 ng

RT: 13.66 min Scan# 1056

Delta R.T. 0.00 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

Instrument :

BNA_F

ClientSampleId :

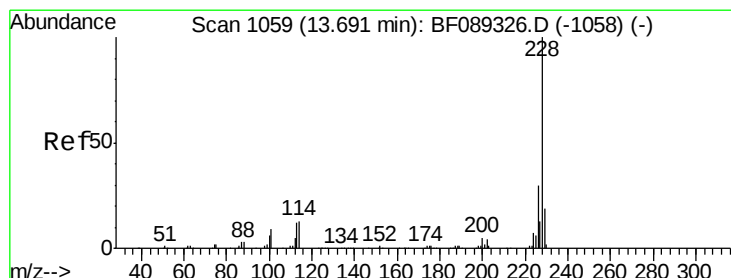
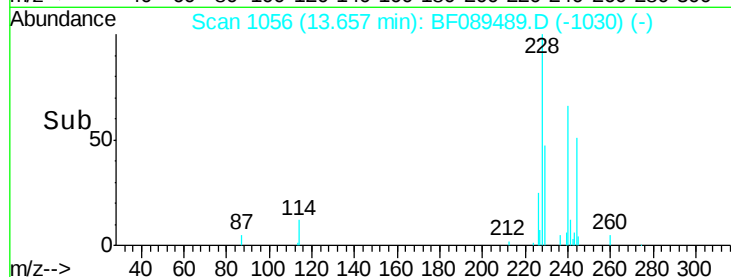
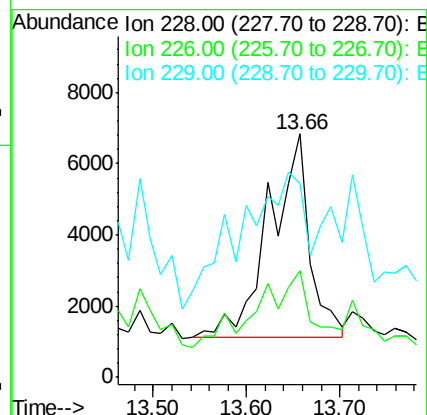
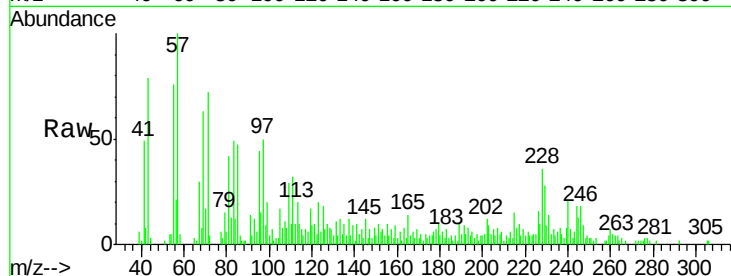
Tot Ion:228 Resp: 16957

Ion Ratio Lower Upper

228 100

226 43.9 21.4 32.2#

229 79.6 15.9 23.9#



#82

Chrysene

Concen: 3.11 ng

RT: 13.66 min Scan# 1056

Delta R.T. -0.03 min

Lab File: BF089489.D

Acq: 1 Aug 2016 2:03

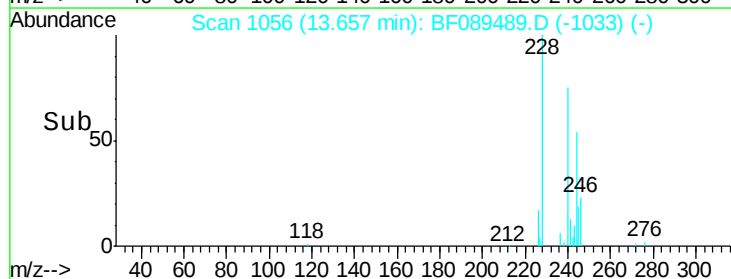
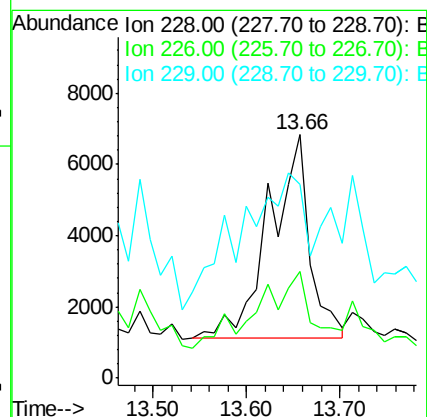
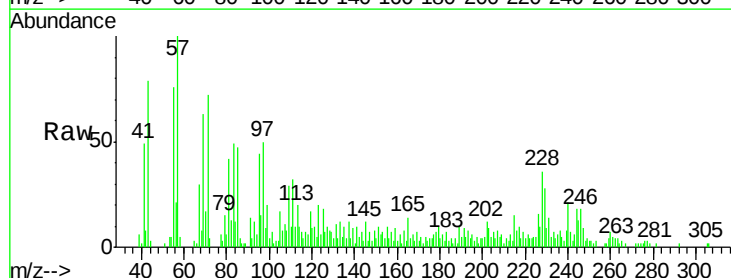
Tgt Ion:228 Resp: 16957

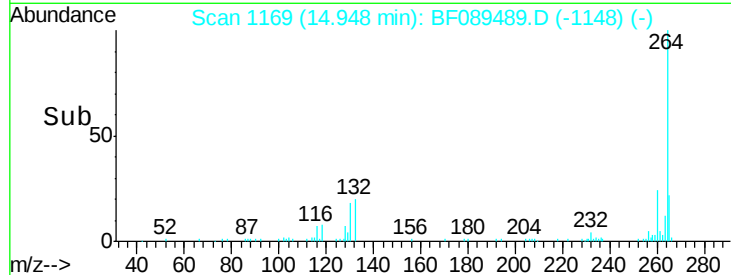
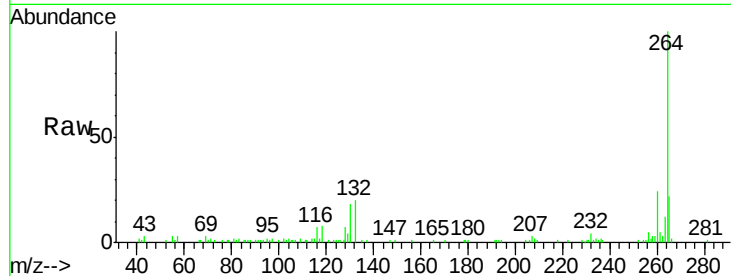
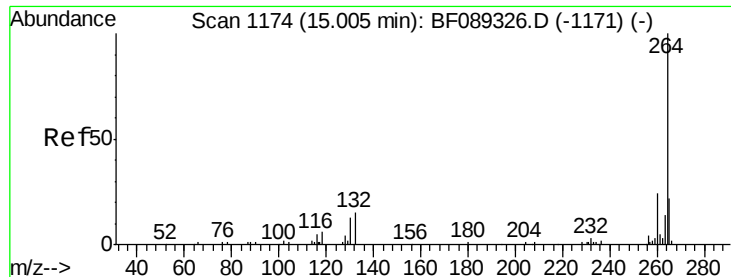
Ion Ratio Lower Upper

228 100

226 43.9 24.2 36.2#

229 79.6 15.9 23.9#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BF089489.D
Acq: 1 Aug 2016 2:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	70404
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	22.0	17.5	26.3

