

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031516\
 Data File : BF085465.D
 Acq On : 15 Mar 2016 20:25
 Operator : UM/SJ
 Sample : H1774-20
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 16 04:45:27 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	141556	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	613647	20.00	ng	-0.01
38) Acenaphthene-d10	9.96	164	268634	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	500796	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	365724	20.00	ng	-0.01
86) Perylene-d12	15.52	264	250578	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1270159	154.24	ng	0.01
7) Phenol-d6	6.54	99	1562877	146.31	ng	-0.01
23) Nitrobenzene-d5	7.48	82	1027280	98.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	402825	162.81	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1437875	92.86	ng	-0.01
78) Terphenyl-d14	13.02	244	1332770	82.44	ng	-0.01

Target Compounds						Qvalue
3) Pyridine	3.30	79	227	0.02	ng	# 1
4) n-Nitrosodimethylamine	3.28	42	528	0.12	ng	# 1
6) Aniline	6.68	93	1819	0.12	ng	# 1
8) 2-Chlorophenol	6.69	128	466	0.05	ng	# 1
9) Benzaldehyde	6.68	77	25496	4.27	ng	86
10) Phenol	6.55	94	6408	0.54	ng	# 1
11) bis(2-Chloroethyl)ether	6.68	93	1819	0.20	ng	# 1
15) Benzyl Alcohol	7.06	79	15475	2.03	ng	# 49
17) 2-Methylphenol	7.05	107	207	0.03	ng	# 1
19) n-Nitroso-di-n-propylamine	7.48	70	137873	21.55	ng	# 76
20) 3+4-Methylphenols	7.05	107	207	0.02	ng	# 1
22) Acetophenone	7.32	105	486	0.03	ng	# 54
24) Nitrobenzene	7.48	77	3153	0.27	ng	# 37
27) 2,4-Dimethylphenol	7.89	122	2598	0.26	ng	# 6
31) Naphthalene	8.22	128	269	0.01	ng	# 67
32) Benzoic acid	7.89	122	2598	0.45	ng	99
45) 1,1'-Biphenyl	9.27	154	2709	0.12	ng	# 1
47) 2-Nitroaniline	9.66	65	2979	0.60	ng	# 1
49) Dimethylphthalate	9.67	163	300000	15.31	ng	98
50) 2,6-Dinitrotoluene	9.66	165	3276	0.76	ng	# 1
51) Acenaphthene	9.96	154	1006	0.06	ng	# 4
56) 2,4-Dinitrotoluene	9.96	165	33727	6.21	ng	# 22
57) Fluorene	10.74	166	18482	1.13	ng	# 89
58) 2,3,4,6-Tetrachlorophenol	10.28	232	282	0.07	ng	# 30
59) Diethylphthalate	10.37	149	915	0.05	ng	# 87
61) 4-Nitroaniline	10.74	138	493	0.10	ng	# 1
62) Azobenzene	10.66	77	238	0.01	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.74	198	1046	0.35	ng	# 1
65) n-Nitrosodiphenylamine	10.74	169	12804	0.83	ng	# 43
66) 4-Bromophenyl-phenylether	10.74	248	28496	5.62	ng	# 1
69) Pentachlorophenol	11.25	266	661	0.24	ng	# 64
70) Phenanthrene	11.45	178	1484	0.06	ng	# 62
71) Anthracene	11.51	178	249	0.01	ng	# 59
72) Carbazole	11.67	167	254	0.01	ng	# 58

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

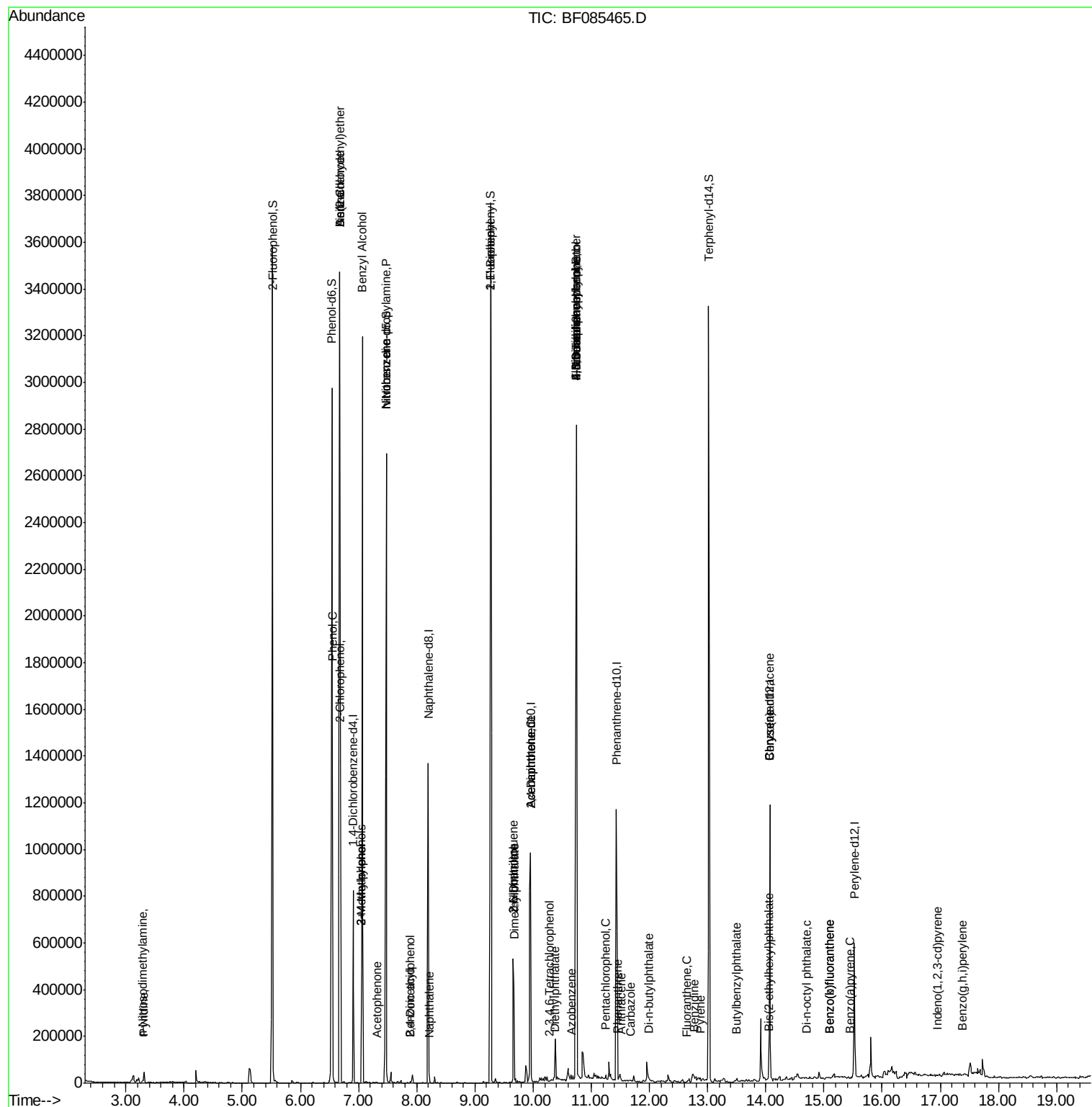
73) Di-n-butylphthalate	11.99	149	5463	0.20	nq	# 96
74) Fluoranthene	12.64	202	1399	0.06	nq	# 61
76) Benzidine	12.77	184	486	0.04	nq	# 66
77) Pyrene	12.87	202	1323	0.05	nq	# 72
79) Butylbenzylphthalate	13.50	149	208	0.02	nq	# 26
80) Benzo(a)anthracene	14.07	228	2461	0.12	nq	# 50
82) Chrysene	14.07	228	2461	0.13	nq	# 47
83) Bis(2-ethylhexyl)phthalate	14.05	149	2728	0.19	nq	# 97
84) Di-n-octyl phthalate	14.70	149	653	0.03	nq	# 66
85) Indeno(1,2,3-cd)pyrene	16.95	276	481	0.03	nq	# 58
87) Benzo(b)fluoranthene	15.10	252	871	0.05	nq	# 30
88) Benzo(k)fluoranthene	15.10	252	871	0.07	nq	# 29
89) Benzo(a)pyrene	15.45	252	580	0.04	nq	# 60
91) Benzo(q,h,i)perylene	17.39	276	580	0.04	nq	# 49

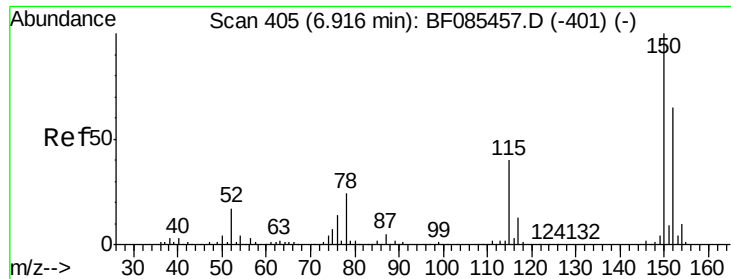
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

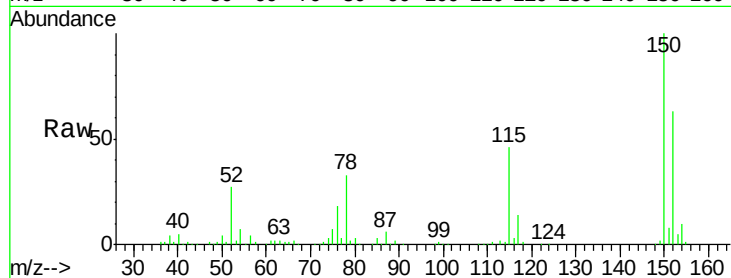
Tot Ion:152 Resp: 141556

Ion Ratio Lower Upper

152 100

150 158.2 124.6 186.8

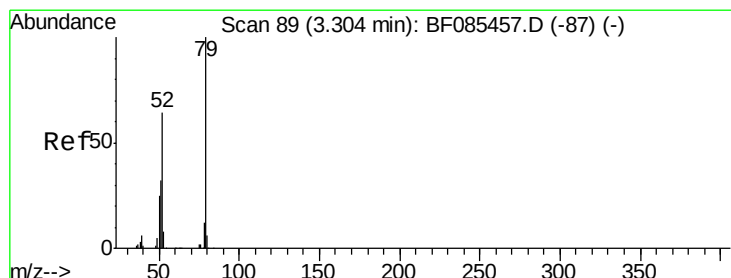
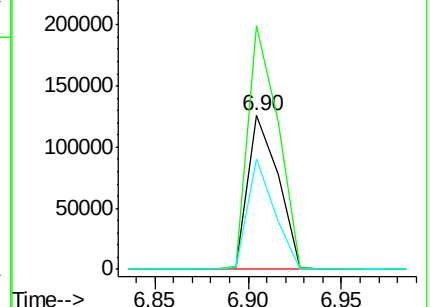
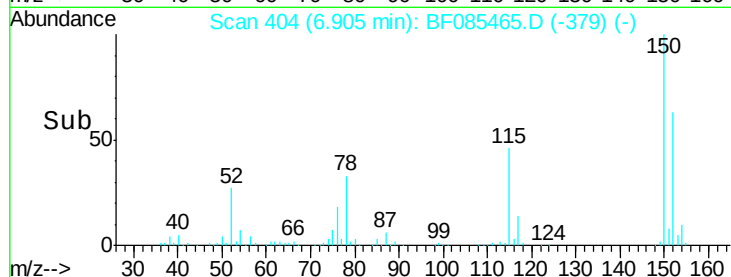
115 72.0 46.6 70.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#3

Pyridine

Concen: 0.02 ng

RT: 3.30 min Scan# 89

Delta R.T. 0.00 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

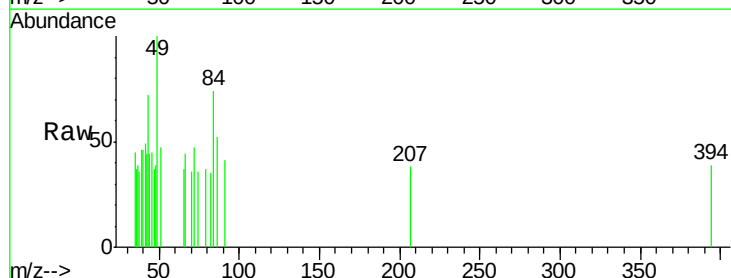
Tgt Ion: 79 Resp: 227

Ion Ratio Lower Upper

79 100

52 0.0 52.6 79.0#

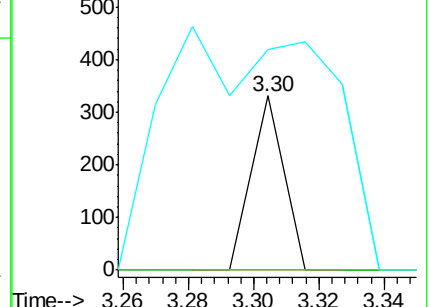
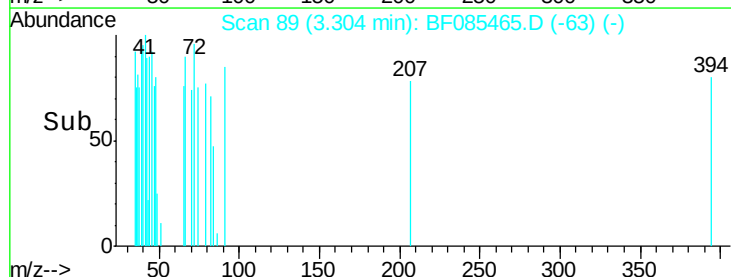
51 126.9 25.8 38.8#

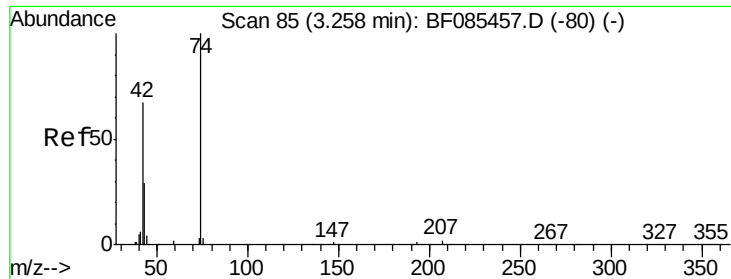


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.28 min Scan# 87

Delta R.T. 0.02 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

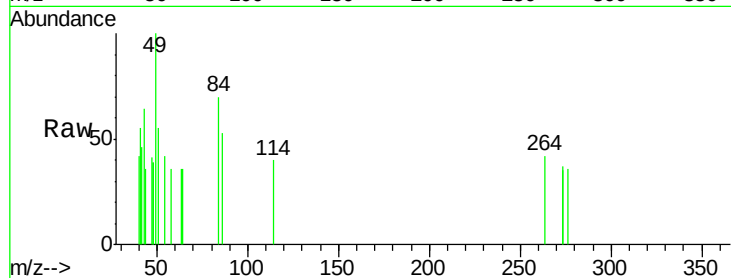
Tot Ion: 42 Resp: 528

Ion Ratio Lower Upper

42 100

74 0.0 116.8 175.2#

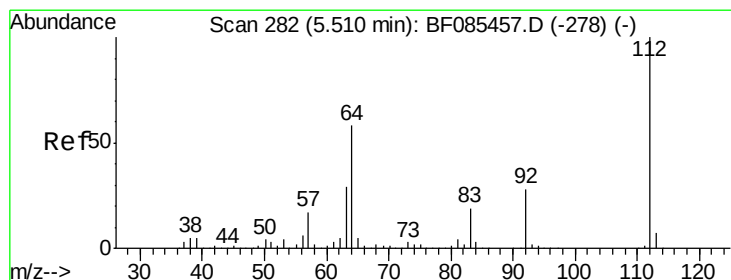
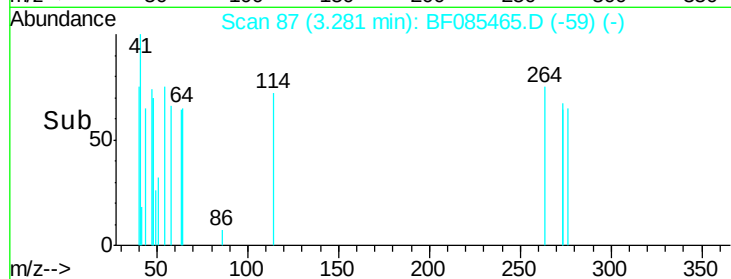
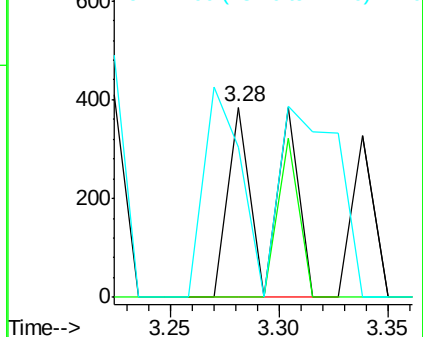
44 79.2 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0



#5

2-Fluorophenol

Concen: 154.24 ng

RT: 5.52 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

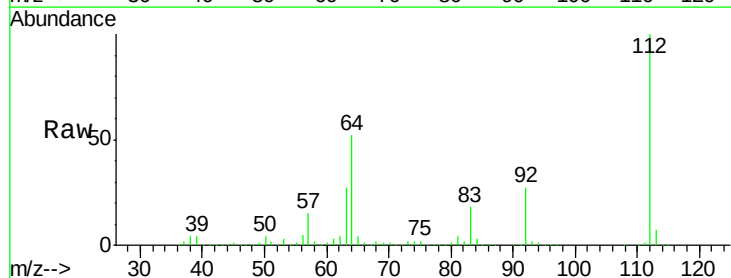
Tgt Ion: 112 Resp: 1270159

Ion Ratio Lower Upper

112 100

64 52.3 49.0 73.4

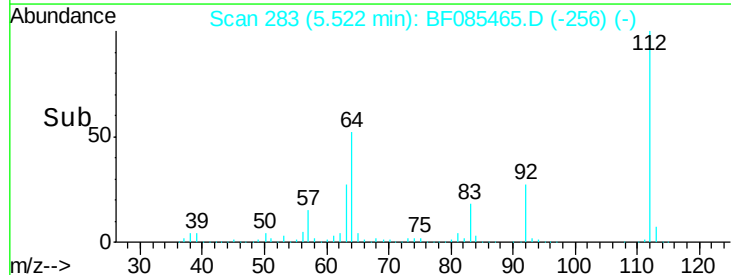
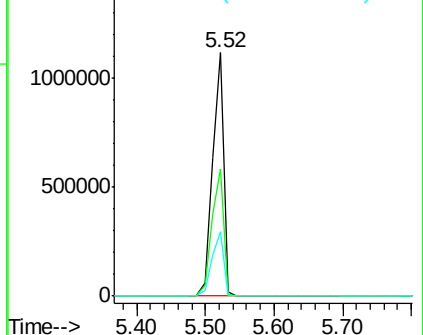
63 26.6 24.8 37.2

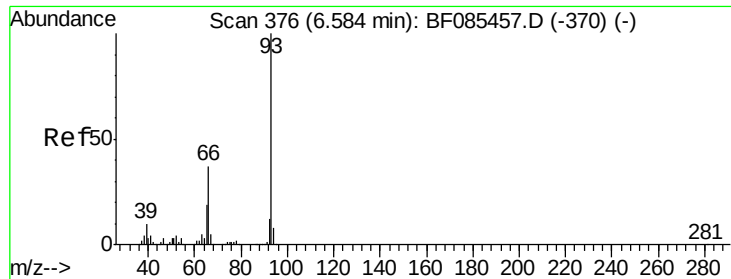


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 0.12 ng

RT: 6.68 min Scan# 384

Delta R.T. 0.09 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

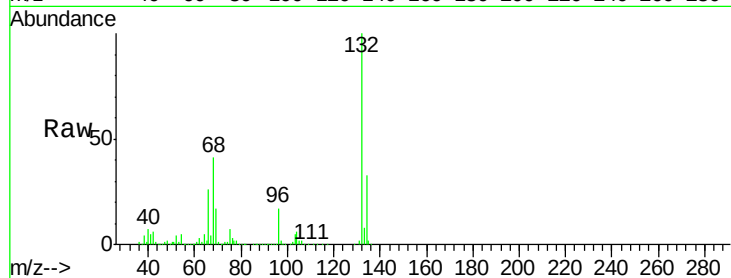
Tot Ion: 93 Resp: 1819

Ion Ratio Lower Upper

93 100

66 16931.8 31.6 47.4#

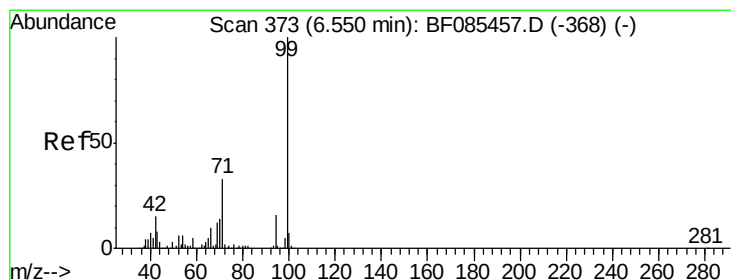
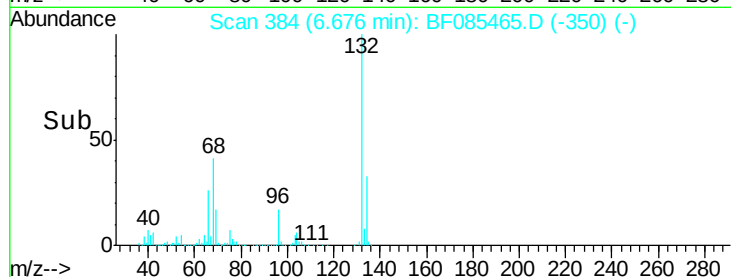
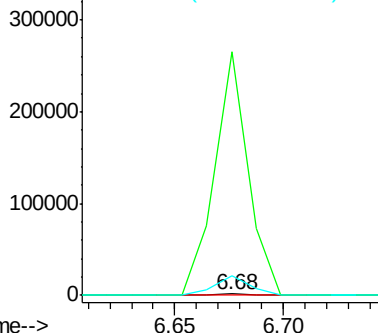
65 1333.8 15.8 23.8#



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: 146.31 ng

RT: 6.54 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

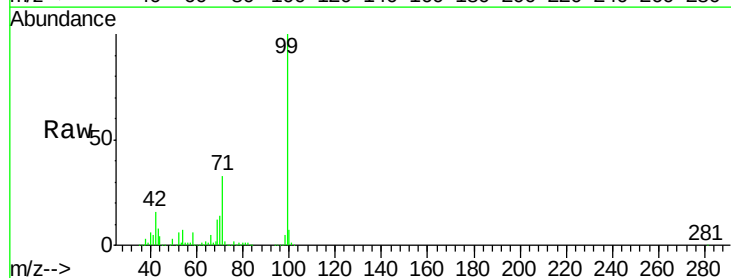
Tgt Ion: 99 Resp: 1562877

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

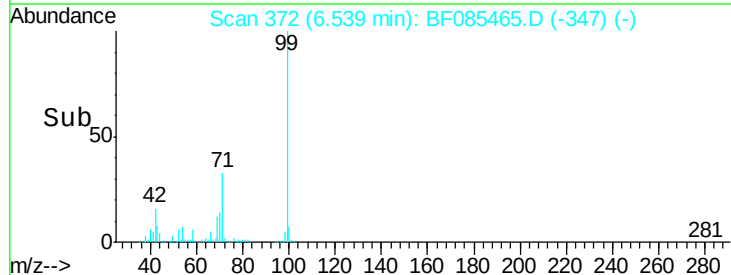
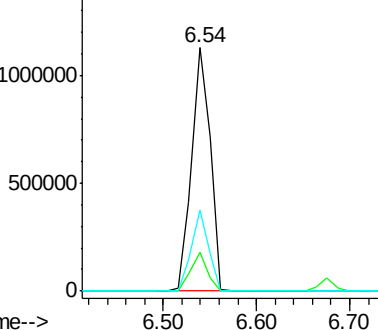
71 33.5 26.7 40.1

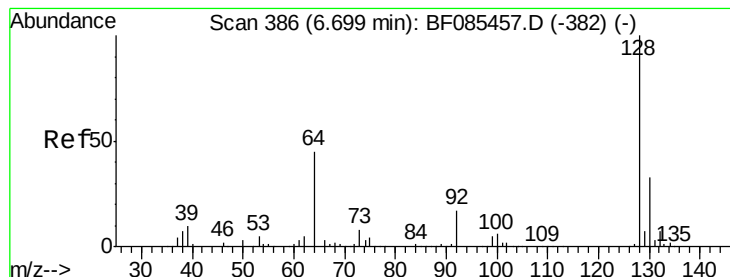


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#8

2-Chlorophenol

Concen: 0.05 ng

RT: 6.69 min Scan# 385

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

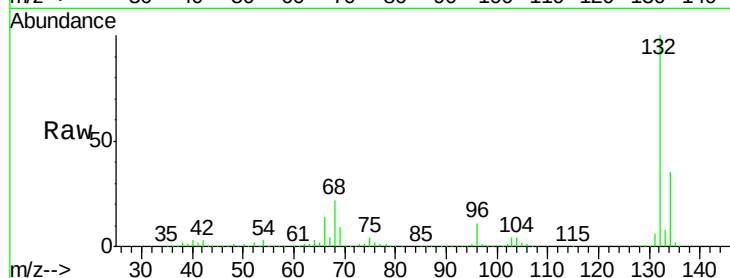
Tot Ion:128 Resp: 466

Ion Ratio Lower Upper

128 100

130 206.3 13.3 53.3#

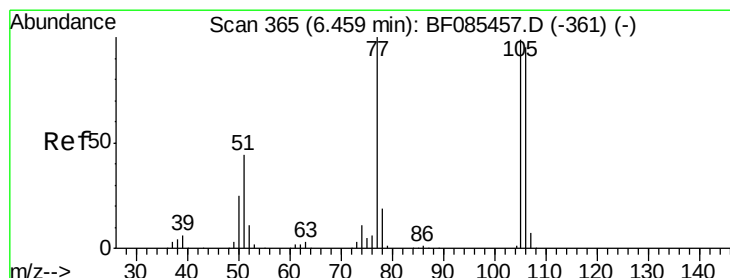
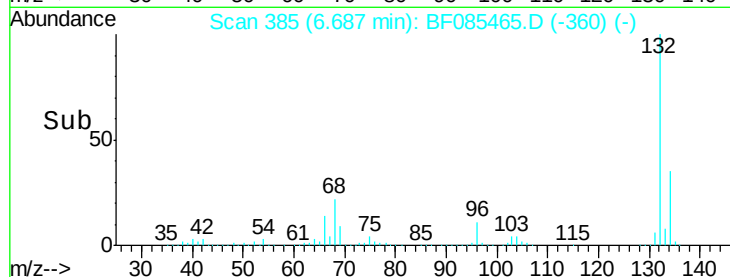
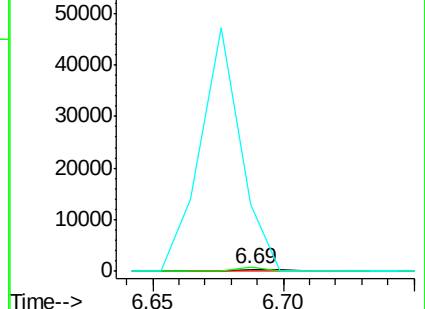
64 3524.5 25.7 65.7#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0



#9

Benzaldehyde

Concen: 4.27 ng

RT: 6.68 min Scan# 384

Delta R.T. 0.22 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

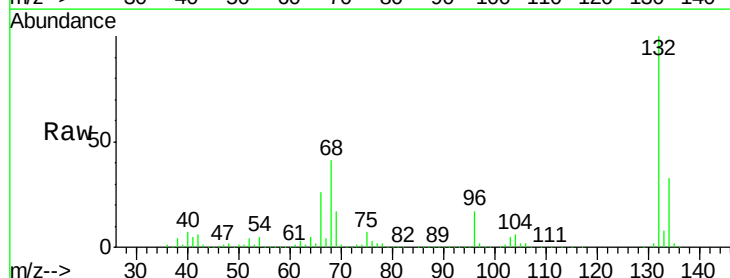
Tgt Ion: 77 Resp: 25496

Ion Ratio Lower Upper

77 100

105 83.5 78.2 118.2

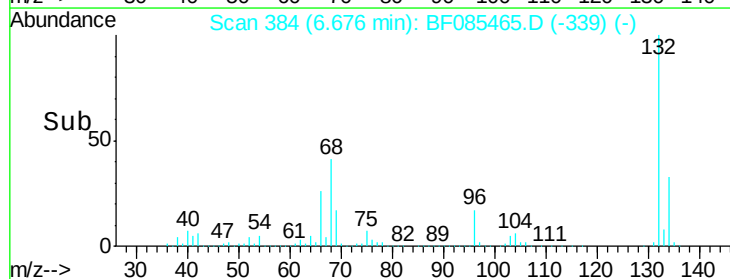
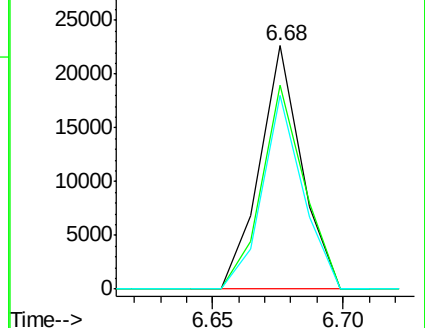
106 79.5 72.9 112.9

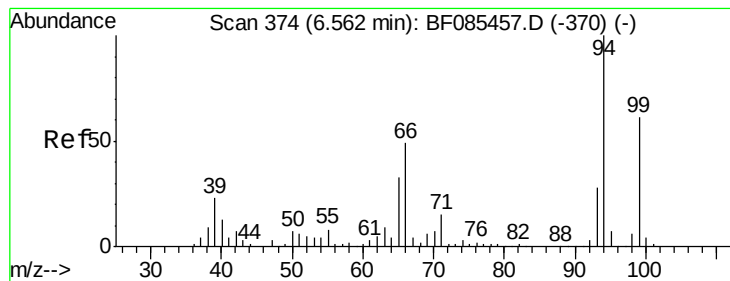


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 6.55 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF085465.D

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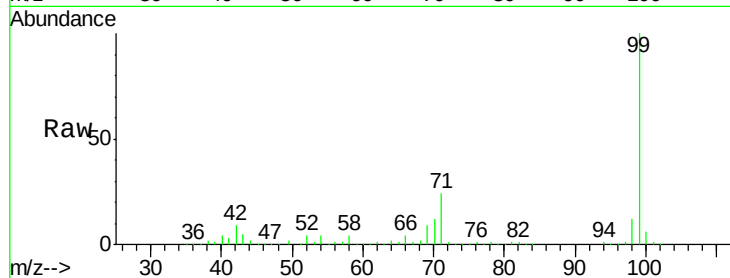
Tot Ion: 94 Resp: 6408

Ion Ratio Lower Upper

94 100

65 92.8 9.1 49.1#

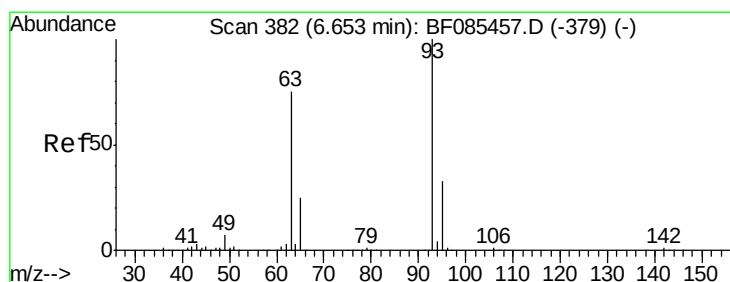
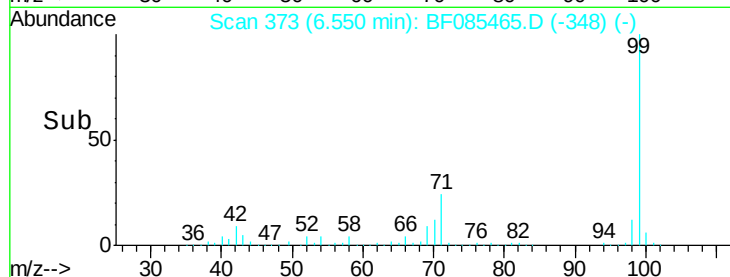
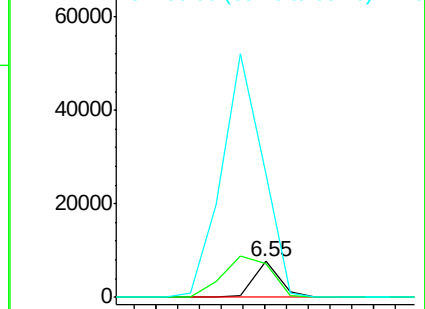
66 345.2 19.3 59.3#



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: 0.20 ng

RT: 6.68 min Scan# 384

Delta R.T. 0.02 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

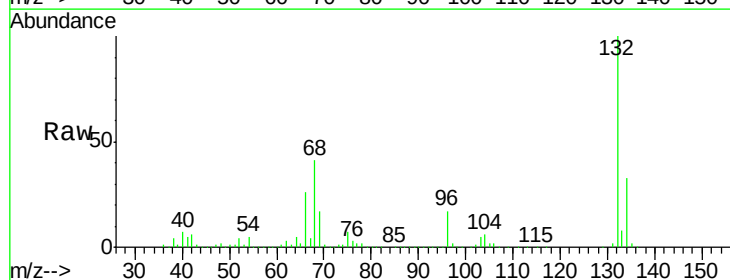
Tgt Ion: 93 Resp: 1819

Ion Ratio Lower Upper

93 100

63 630.0 50.9 90.9#

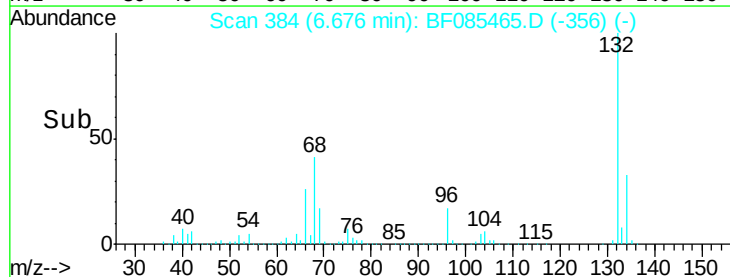
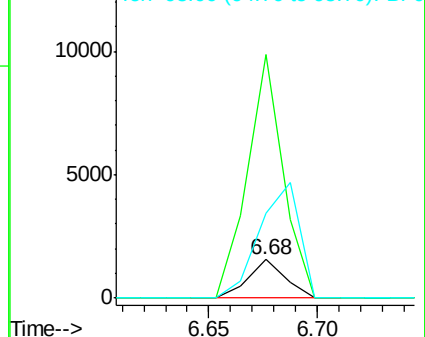
95 221.1 13.7 53.7#

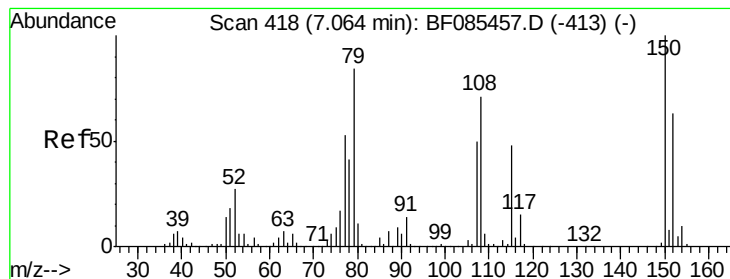


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 7.06 min Scan# 418

Delta R.T. 0.00 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

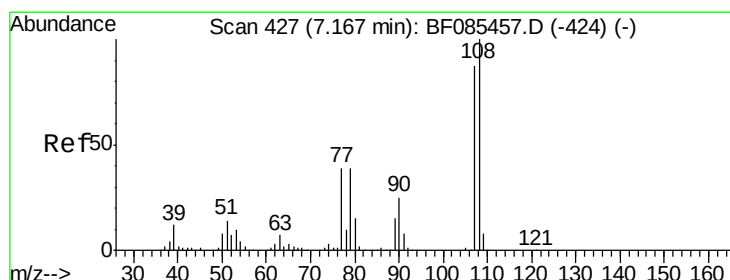
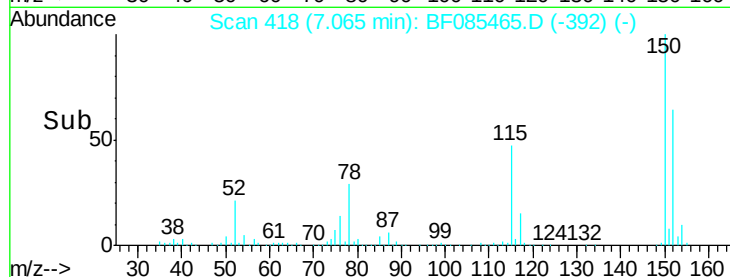
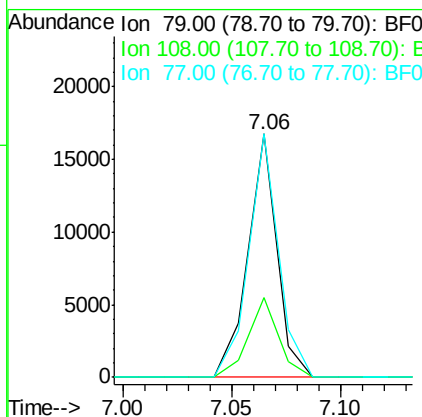
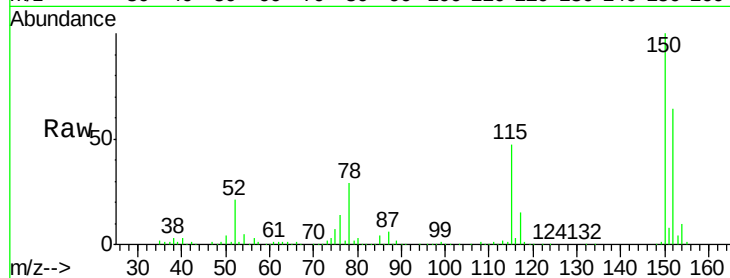
Tot Ion: 79 Resp: 15475

Ion Ratio Lower Upper

79 100

108 32.8 62.9 94.3#

77 100.2 49.5 74.3#



#17

2-Methylphenol

Concen: 0.03 ng

RT: 7.05 min Scan# 417

Delta R.T. -0.11 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Tgt Ion: 107 Resp: 207

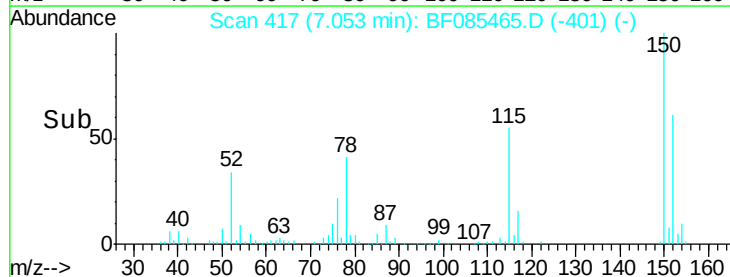
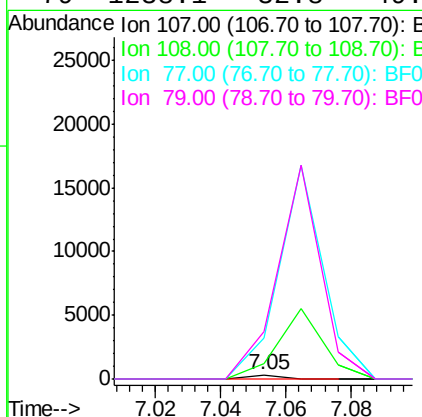
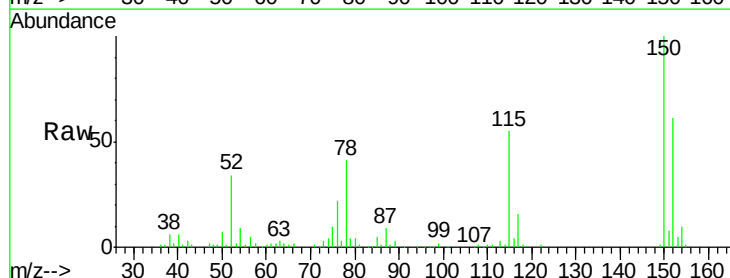
Ion Ratio Lower Upper

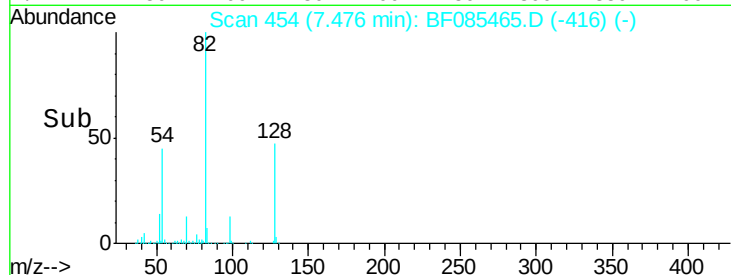
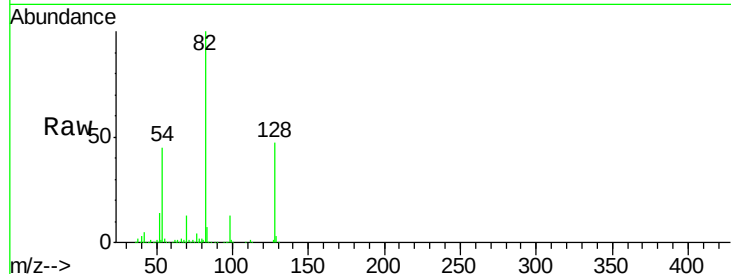
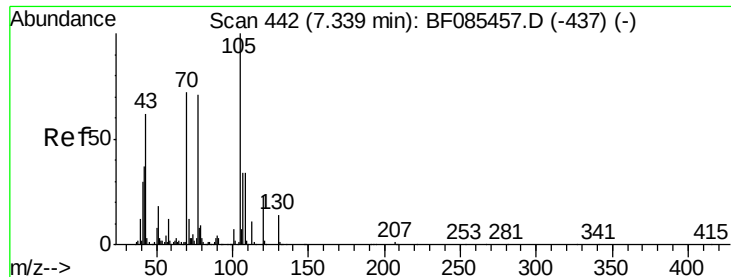
107 100

108 398.3 90.9 136.3#

77 1049.0 32.6 48.8#

79 1238.1 32.8 49.2#

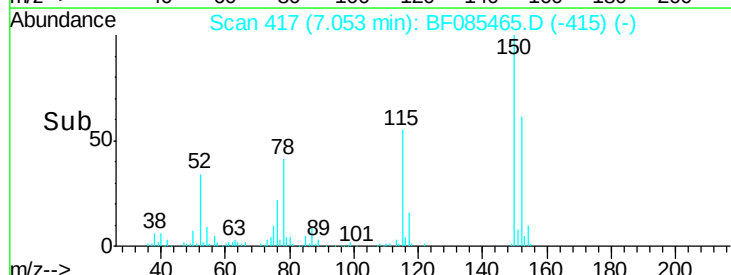
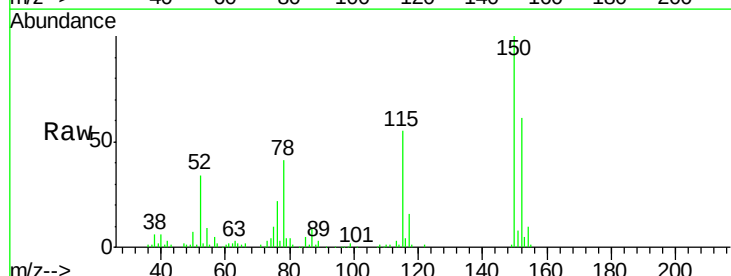
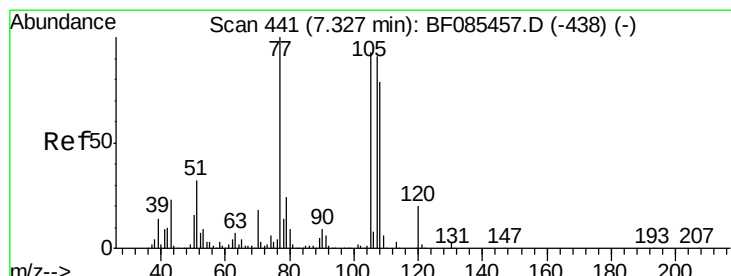
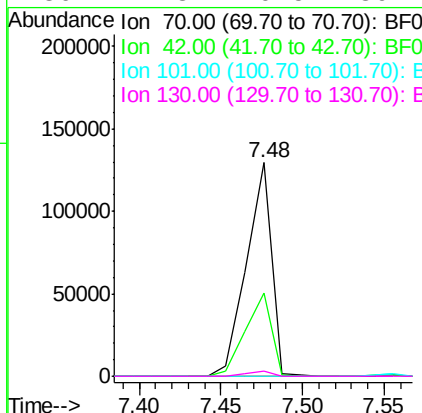




#19
n-Nitroso-di-n-propylamine
Concen: 21.55 ng
RT: 7.48 min Scan# 454
Delta R.T. 0.14 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

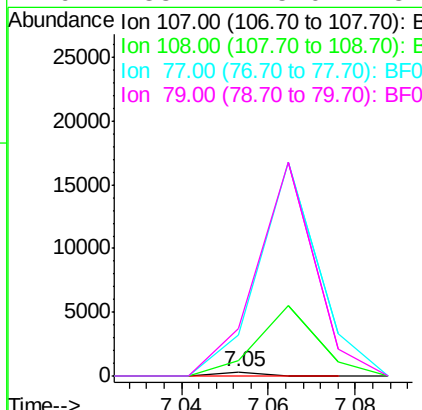
Instrument :
BNA_F
ClientSampleId :

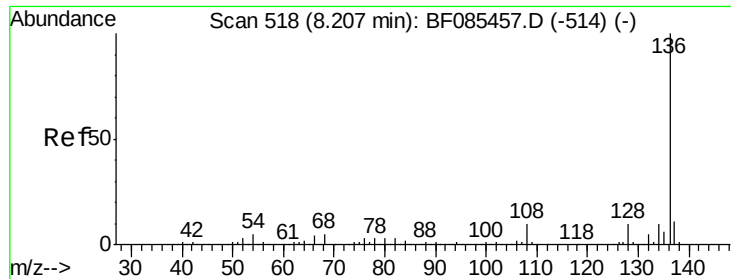
Tot Ion	Ratio	Lower	Upper
70	100		
42	39.1	37.7	56.5
101	0.0	8.2	12.4#
130	2.3	20.5	30.7#



#20
3+4-Methylphenols
Concen: 0.02 ng
RT: 7.05 min Scan# 417
Delta R.T. -0.27 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	398.3	68.8	108.8#
77	1049.0	53.6	93.6#
79	1238.1	8.0	48.0#

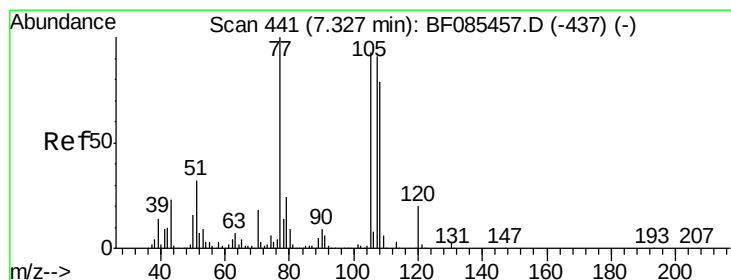
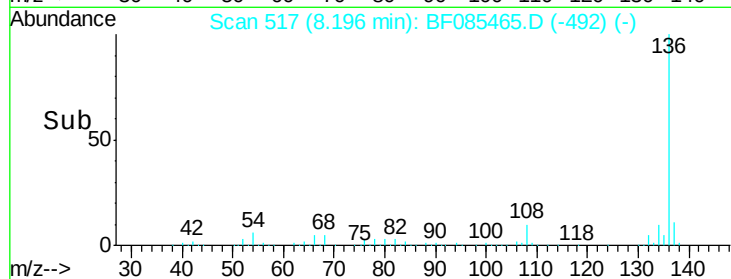
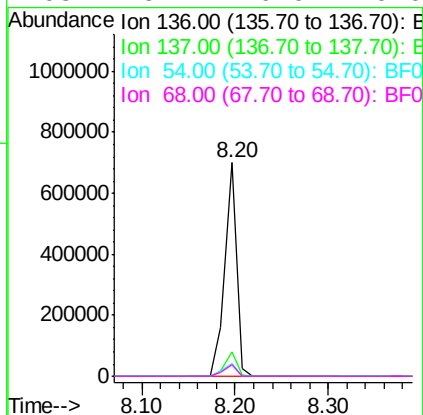
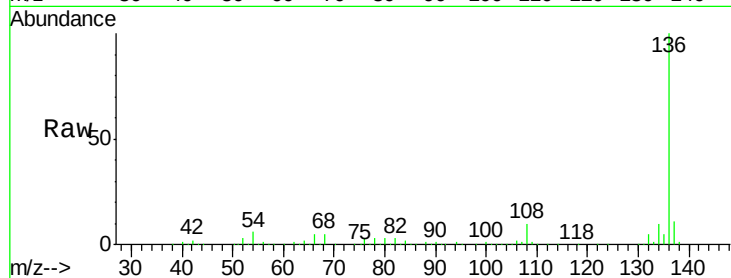




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 517
Delta R.T. -0.01 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

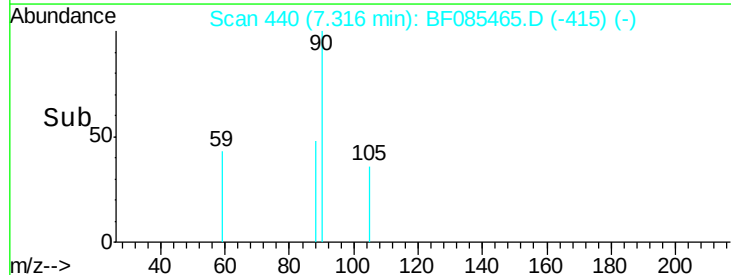
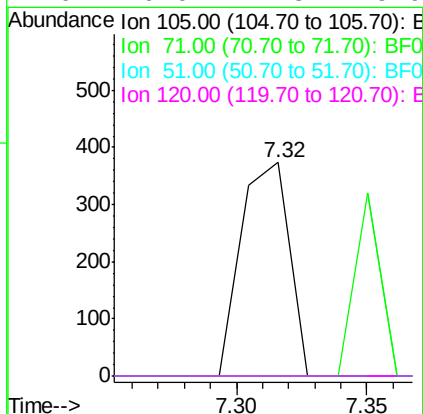
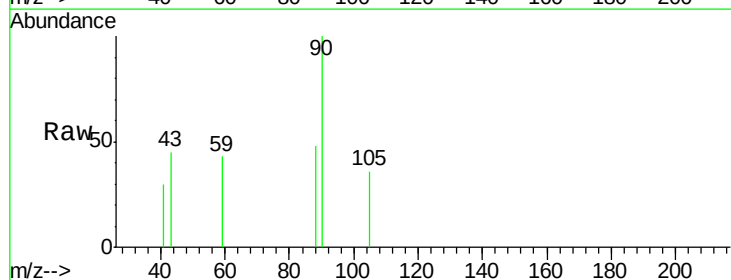
Instrument :
BNA_F
ClientSampleId :

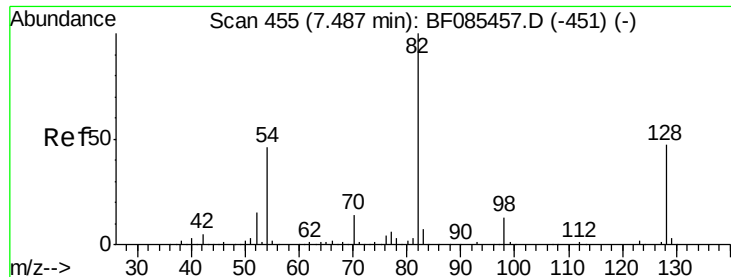
Tot Ion:136	Resp:	613647
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.3 13.9
54	6.1	7.4 11.2#
68	5.2	6.0 9.0#



#22
Acetophenone
Concen: 0.03 ng
RT: 7.32 min Scan# 440
Delta R.T. -0.01 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Tgt Ion:105	Resp:	486
Ion Ratio	Lower	Upper
105	100	
71	0.0	4.1 6.1#
51	0.0	21.1 31.7#
120	0.0	17.3 25.9#





#23

Nitrobenzene-d5

Concen: 98.98 ng

RT: 7.48 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

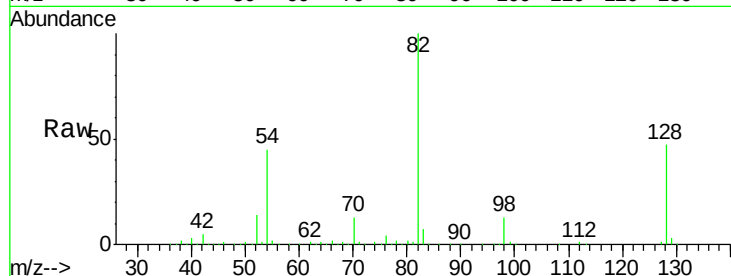
Tot Ion: 82 Resp: 1027280

Ion Ratio Lower Upper

82 100

128 46.6 34.5 51.7

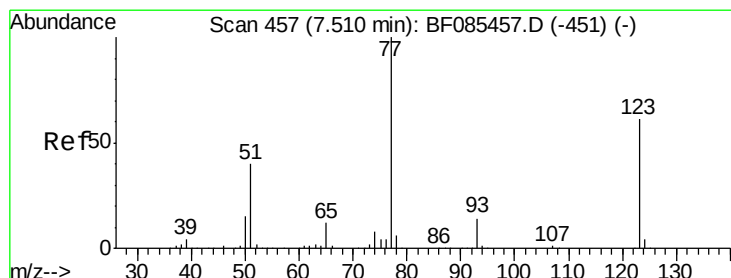
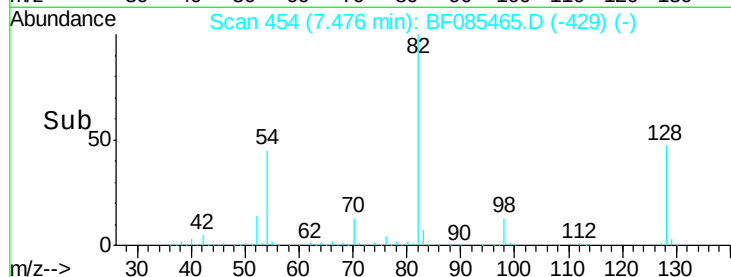
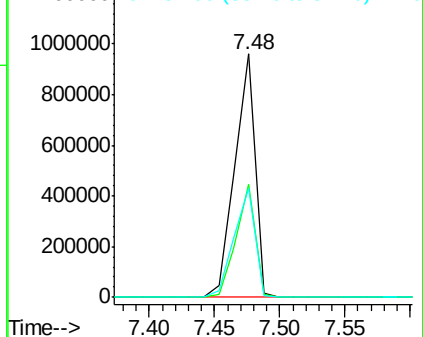
54 45.0 39.3 58.9



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: 0.27 ng

RT: 7.48 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

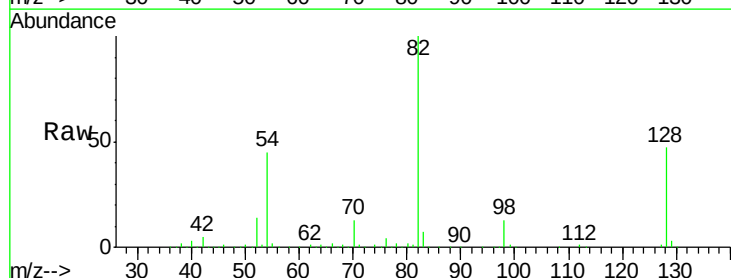
Tgt Ion: 77 Resp: 3153

Ion Ratio Lower Upper

77 100

123 0.0 35.4 53.2#

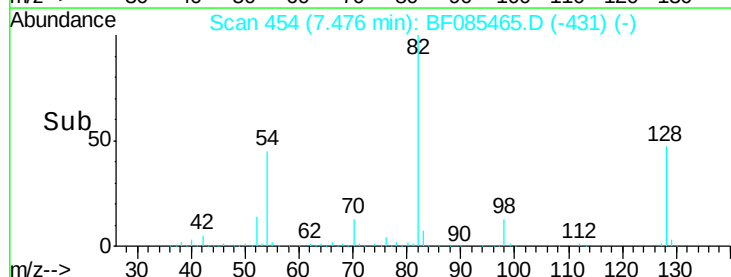
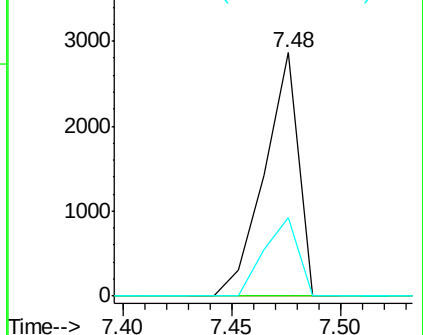
65 32.3 10.6 16.0#

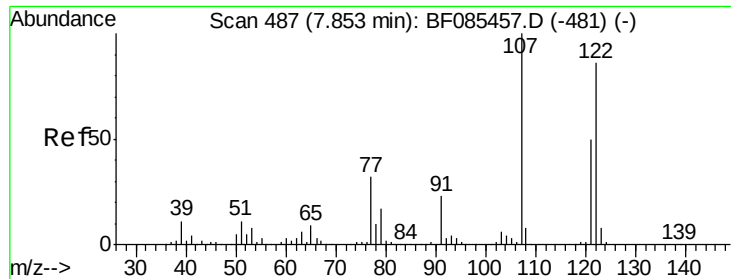


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 0.26 ng

RT: 7.89 min Scan# 490

Delta R.T. 0.03 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

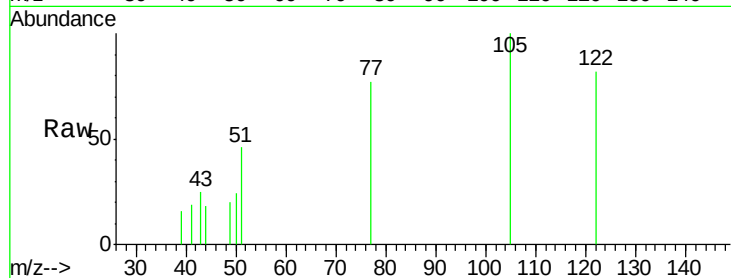
Tot Ion:122 Resp: 2598

Ion Ratio Lower Upper

122 100

107 0.0 84.8 127.2#

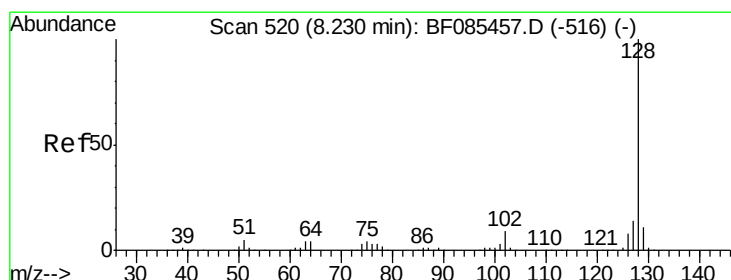
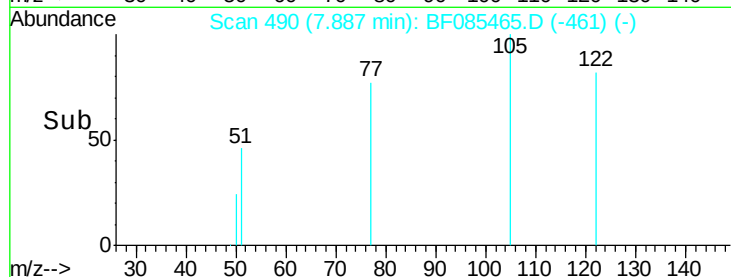
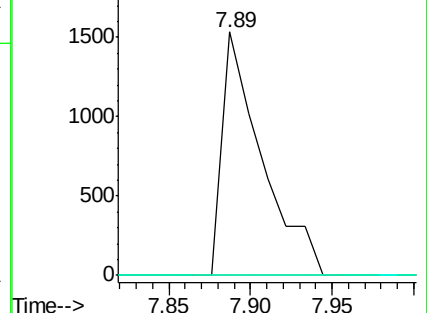
121 0.0 47.0 70.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 0.01 ng

RT: 8.22 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

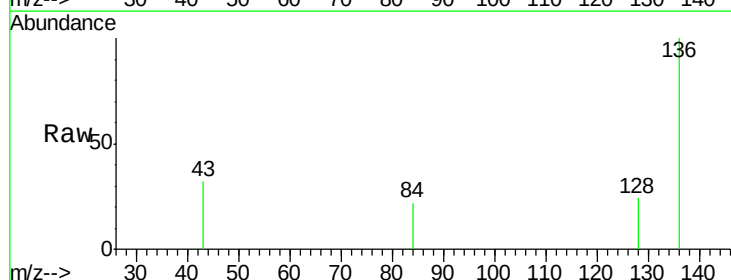
Tgt Ion:128 Resp: 269

Ion Ratio Lower Upper

128 100

129 0.0 9.7 14.5#

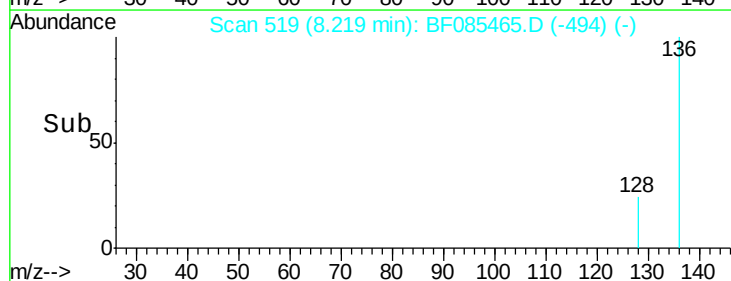
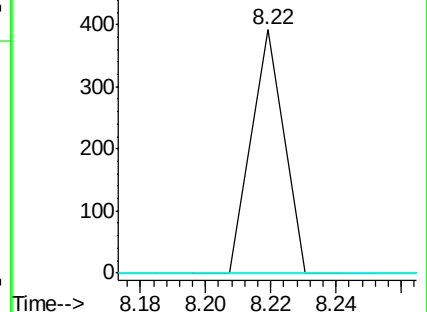
127 0.0 11.2 16.8#

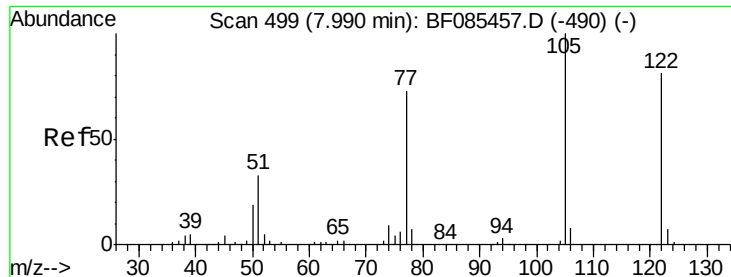


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

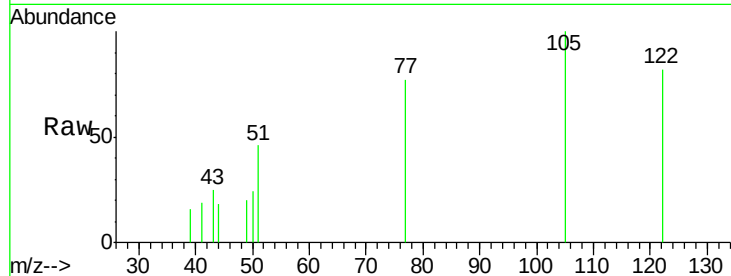




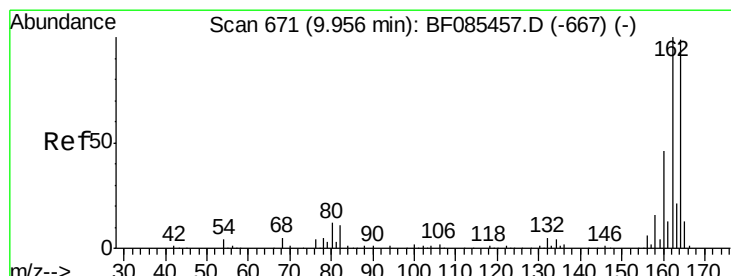
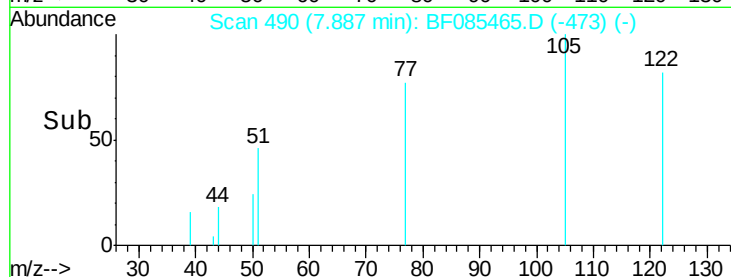
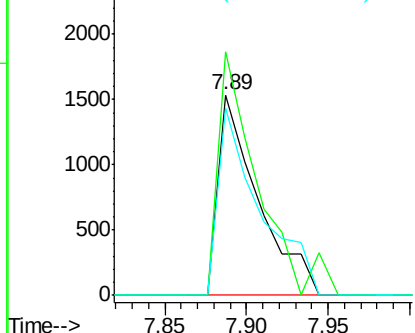
#32
Benzoic acid
Concen: 0.45 ng
RT: 7.89 min Scan# 490
Delta R.T. -0.10 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:122 Resp: 2598
Ion Ratio Lower Upper
122 100
105 121.6 101.3 141.3
77 93.4 74.7 114.7

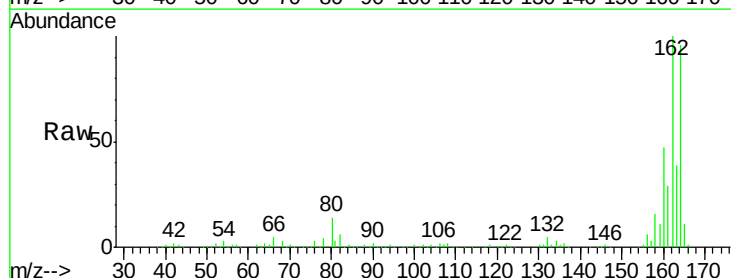


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

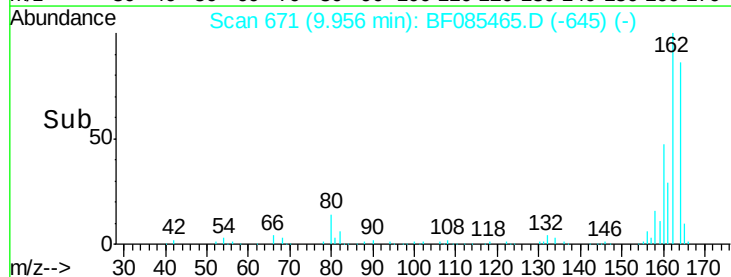
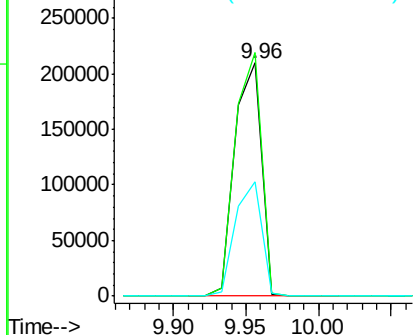


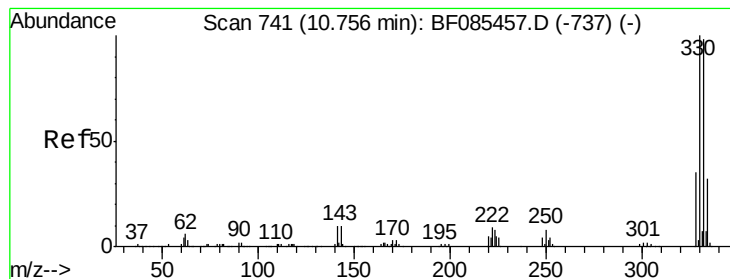
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Tgt Ion:164 Resp: 268634
Ion Ratio Lower Upper
164 100
162 104.6 83.3 124.9
160 49.0 37.9 56.9



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

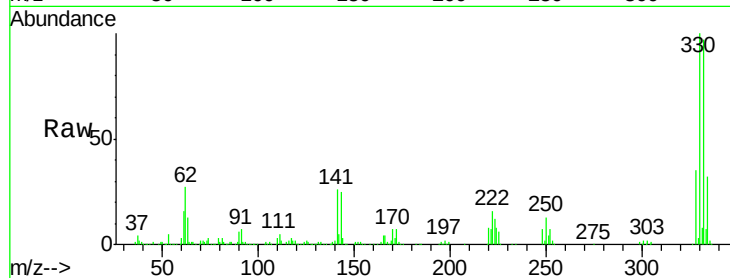




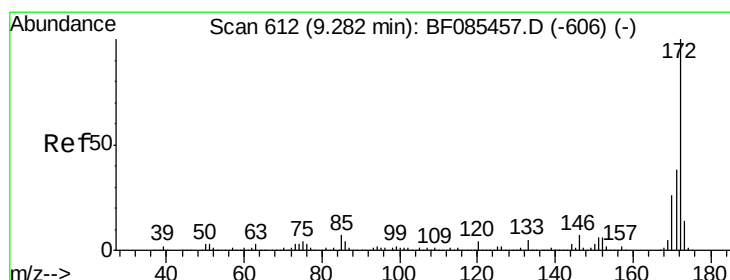
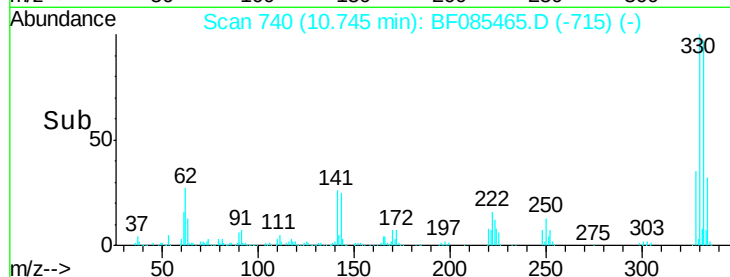
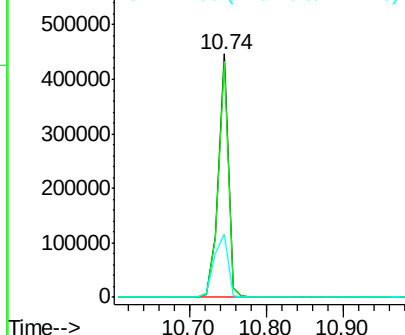
#41
 2,4,6-Tribromophenol
 Concen: 162.81 ng
 RT: 10.74 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	35.5	35.0	52.6

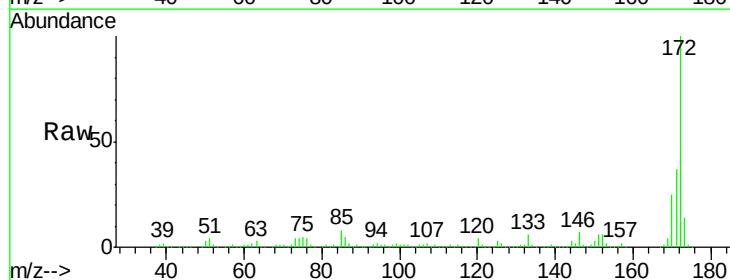


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

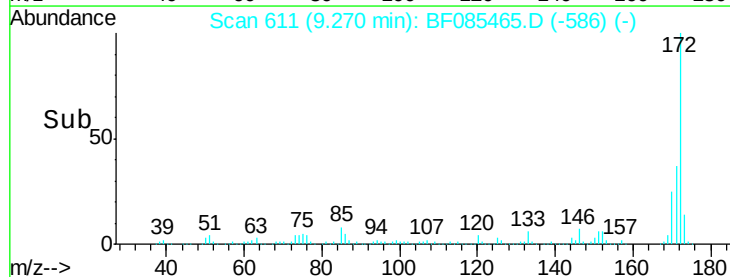
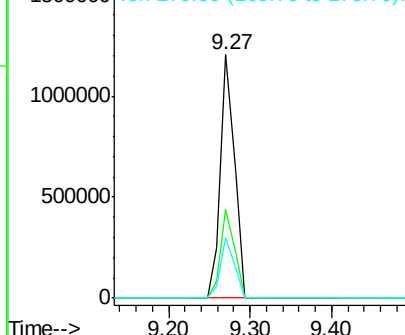


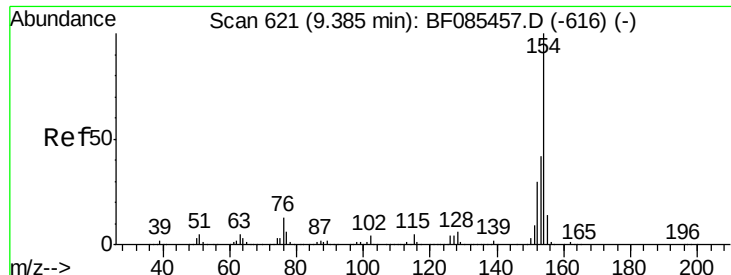
#44
 2-Fluorobiphenyl
 Concen: 92.86 ng
 RT: 9.27 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.3	43.9
170	24.9	20.0	30.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 0.12 ng

RT: 9.27 min Scan# 611

Delta R.T. -0.11 min

Lab File: BF085465.D

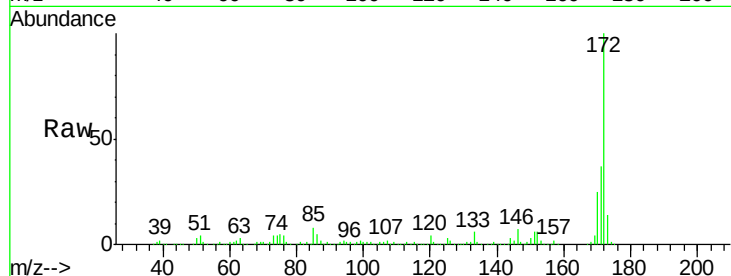
Acq: 15 Mar 2016 20:25

Instrument :

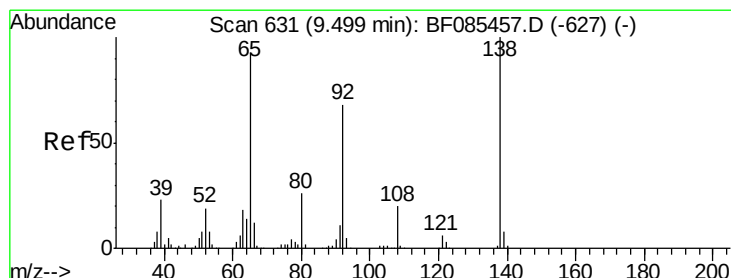
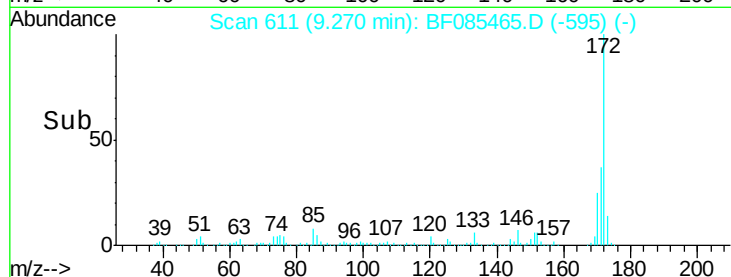
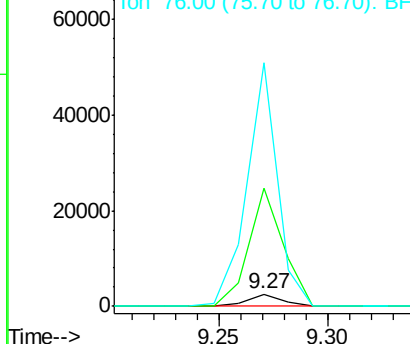
BNA_F

ClientSampleId :

Tot Ion:154 Resp: 2709
 Ion Ratio Lower Upper
 154 100
 153 989.6 21.4 61.4#
 76 2027.6 0.0 37.5#



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



#47

2-Nitroaniline

Concen: 0.60 ng

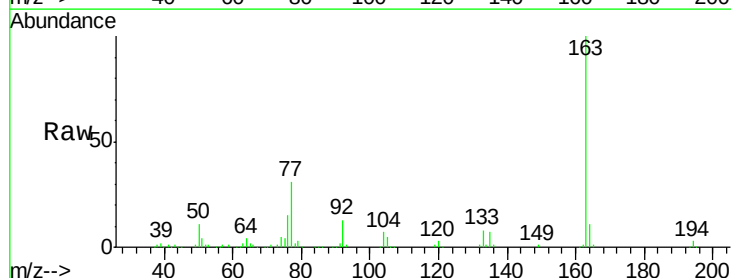
RT: 9.66 min Scan# 645

Delta R.T. 0.16 min

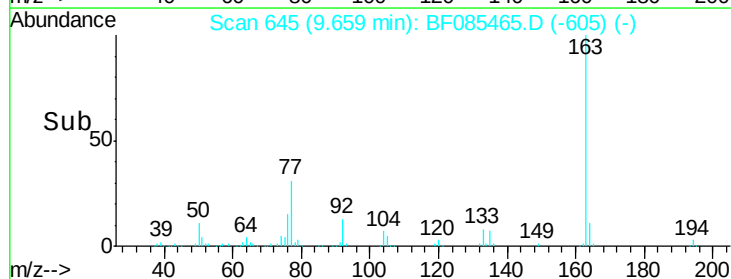
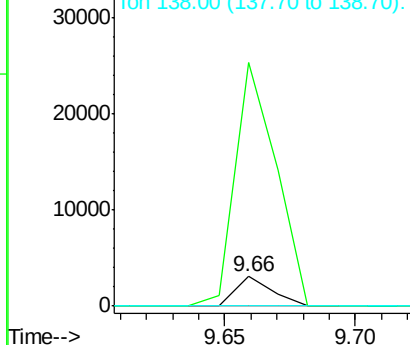
Lab File: BF085465.D

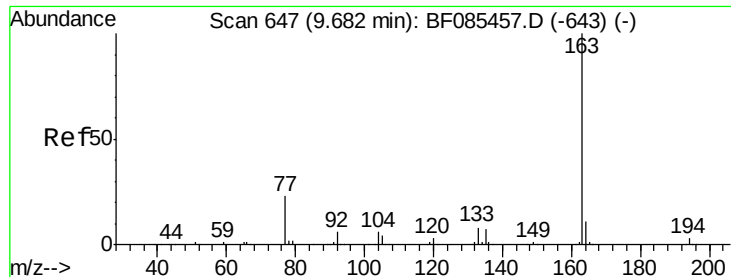
Acq: 15 Mar 2016 20:25

Tgt Ion: 65 Resp: 2979
 Ion Ratio Lower Upper
 65 100
 92 826.6 55.4 83.2#
 138 0.0 75.7 113.5#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 15.31 ng

RT: 9.67 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

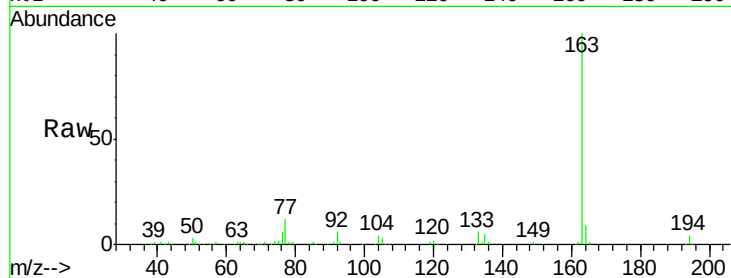
Tot Ion:163 Resp: 300000

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

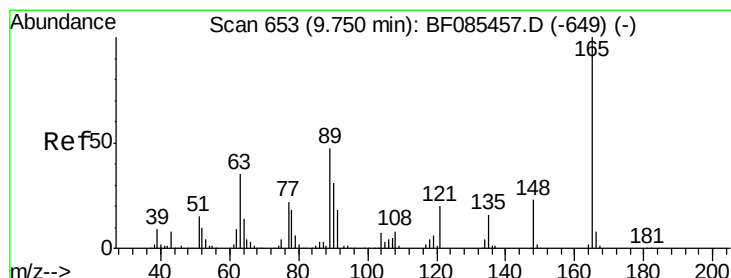
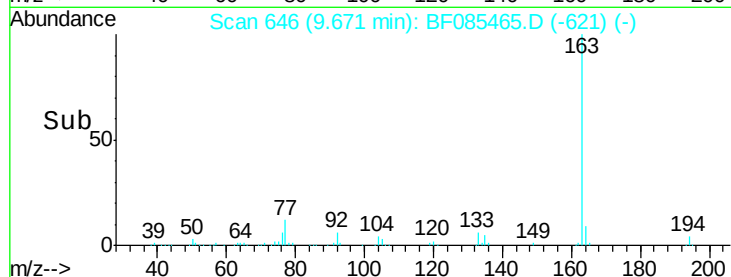
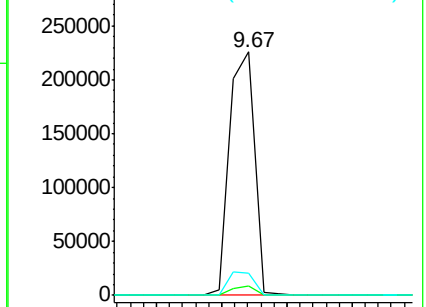
164 9.3 8.2 12.4



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: 0.76 ng

RT: 9.66 min Scan# 645

Delta R.T. -0.09 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

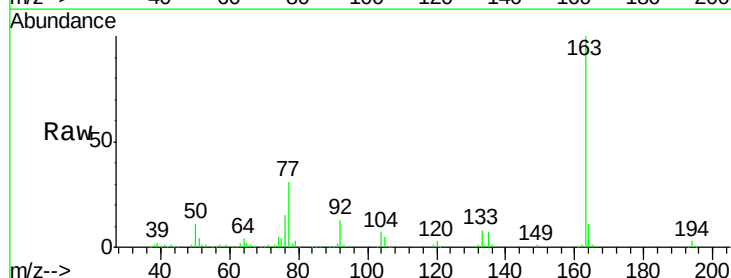
Tgt Ion:165 Resp: 3276

Ion Ratio Lower Upper

165 100

63 181.1 41.8 62.8#

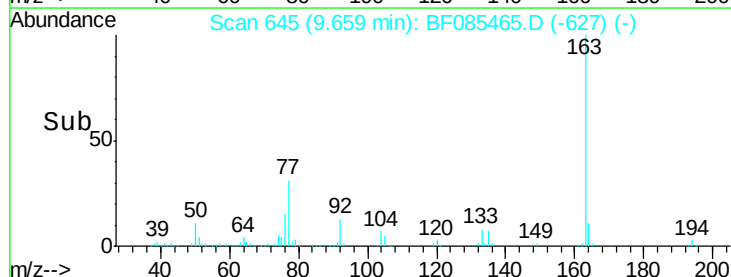
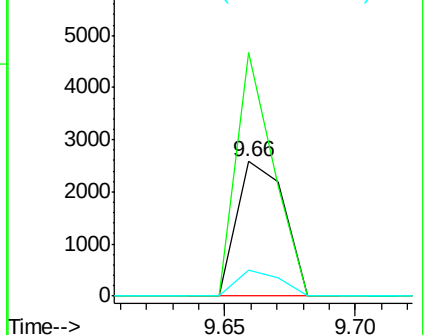
89 19.4 46.7 70.1#

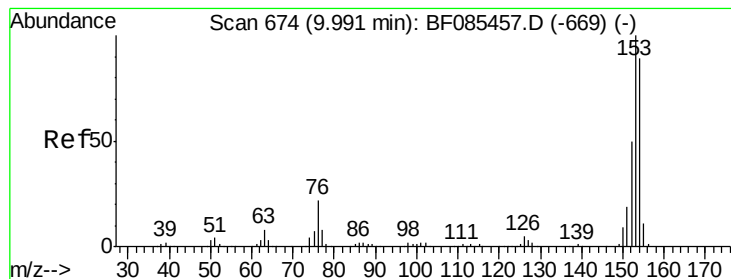


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 0.06 ng

RT: 9.96 min Scan# 671

Delta R.T. -0.03 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampled :

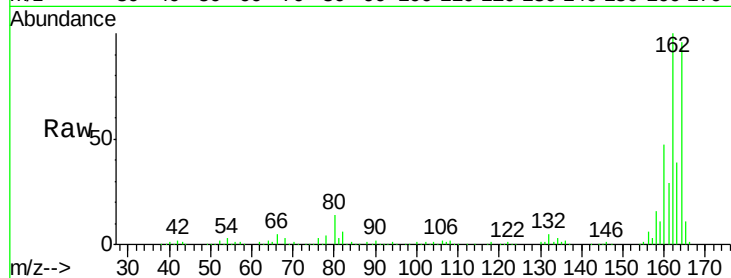
Tot Ion:154 Resp: 1006

Ion Ratio Lower Upper

154 100

153 0.0 89.8 134.8#

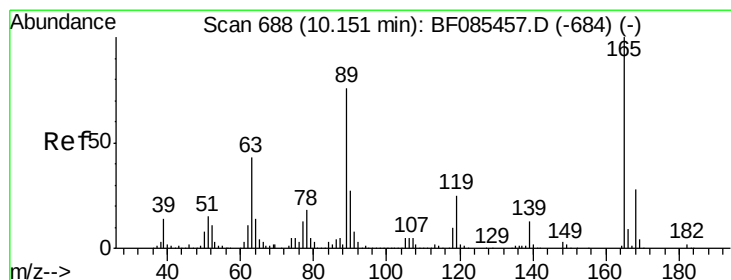
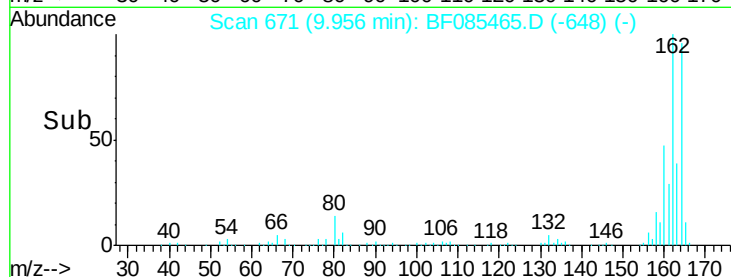
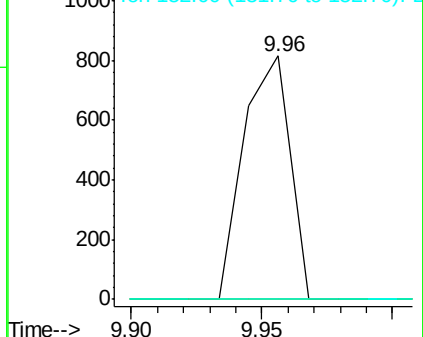
152 0.0 44.6 66.8#



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



#56

2,4-Dinitrotoluene

Concen: 6.21 ng

RT: 9.96 min Scan# 671

Delta R.T. -0.19 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Tgt Ion:165 Resp: 33727

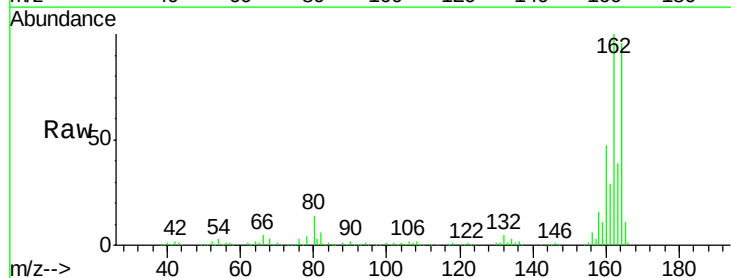
Ion Ratio Lower Upper

165 100

63 1.4 35.4 53.0#

89 2.0 61.9 92.9#

182 0.0 1.9 2.9#

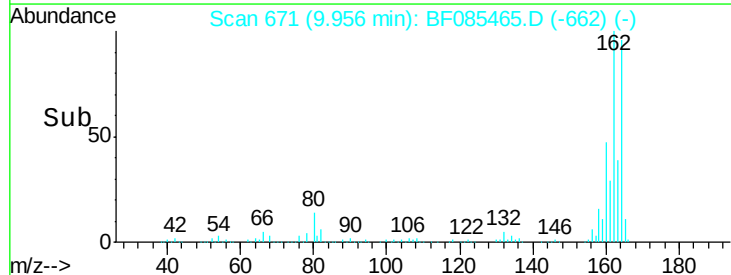
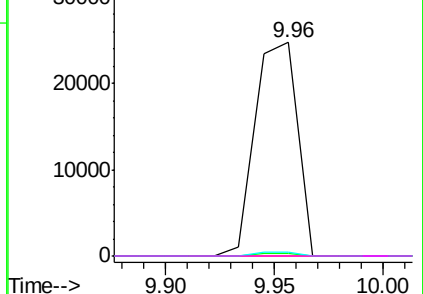


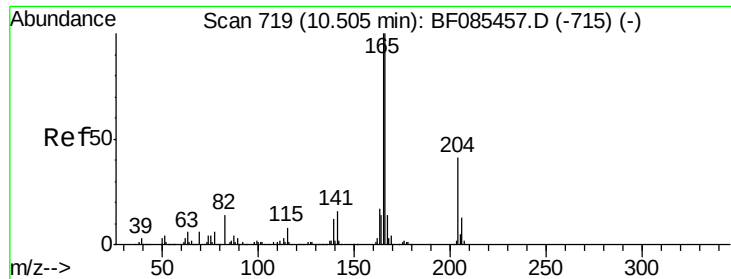
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

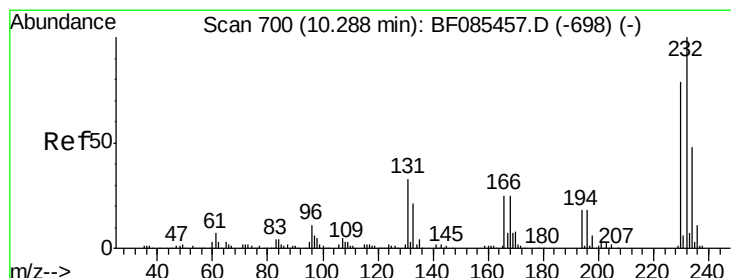
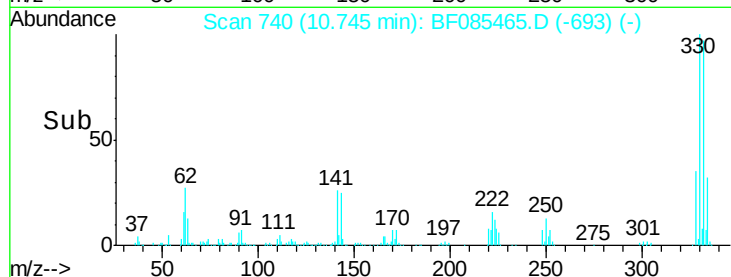
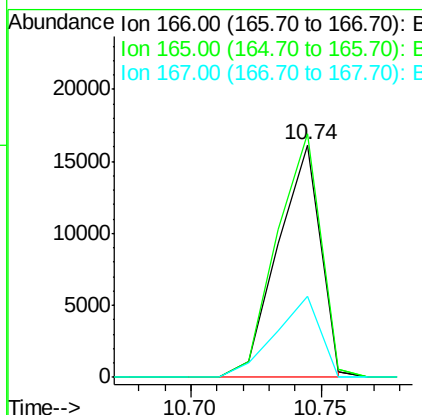
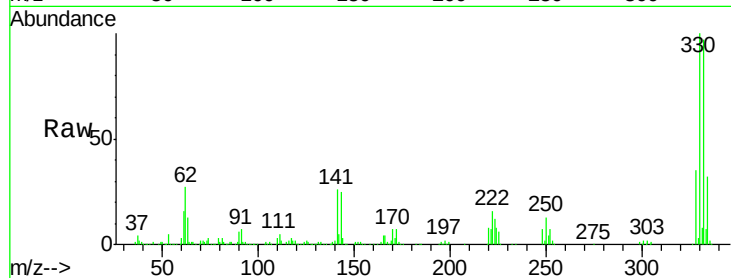




#57
 Fluorene
 Concen: 1.13 ng
 RT: 10.74 min Scan# 740
 Delta R.T. 0.24 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

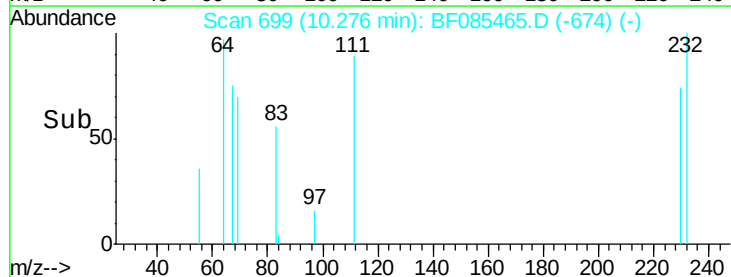
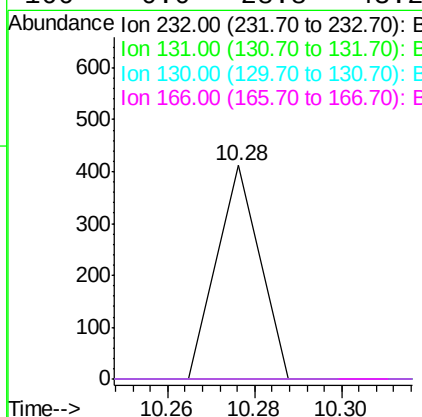
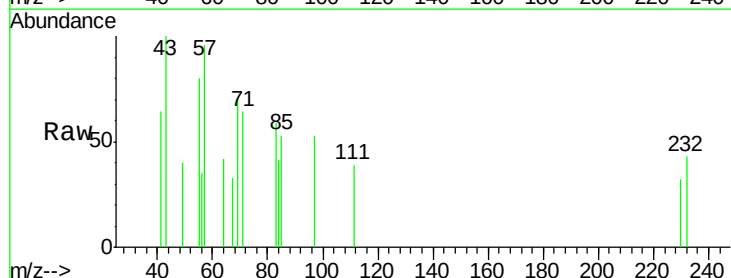
Instrument :
 BNA_F
 ClientSampleId :

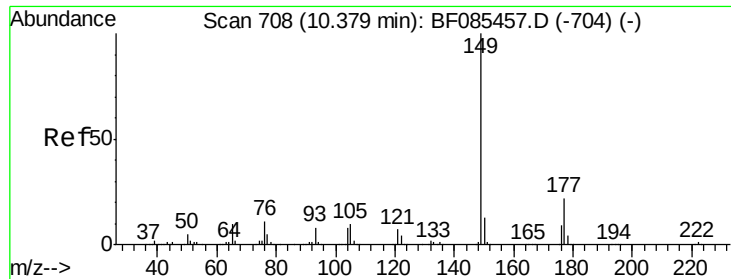
Tot Ion:166 Resp: 18482
 Ion Ratio Lower Upper
 166 100
 165 104.9 79.4 119.0
 167 35.1 11.0 16.6#



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.07 ng
 RT: 10.28 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

Tgt Ion:232 Resp: 282
 Ion Ratio Lower Upper
 232 100
 131 0.0 46.0 69.0#
 130 0.0 2.2 3.4#
 166 0.0 28.8 43.2#

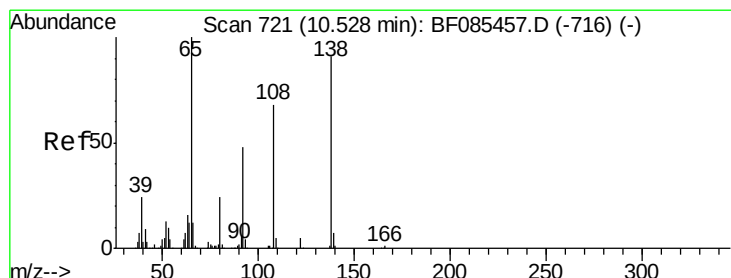
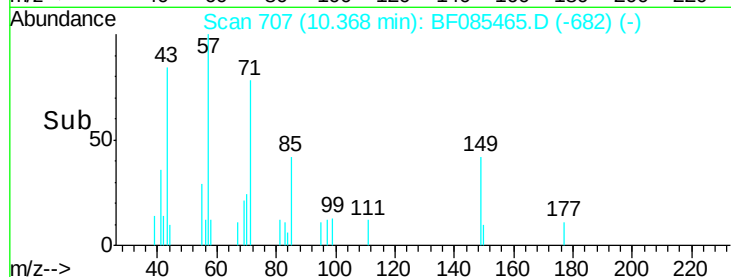
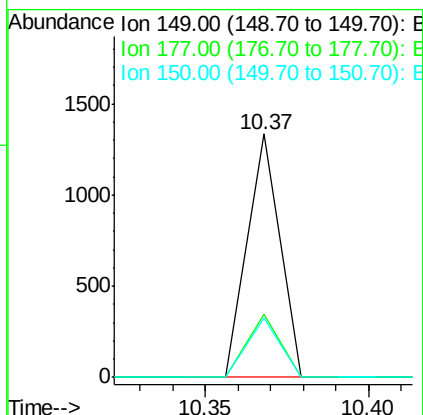
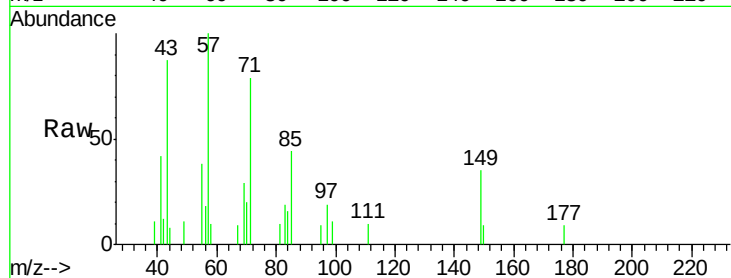




#59
Diethylphthalate
Concen: 0.05 ng
RT: 10.37 min Scan# 707
Delta R.T. -0.01 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

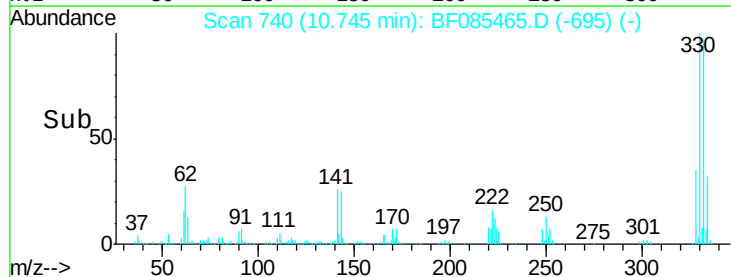
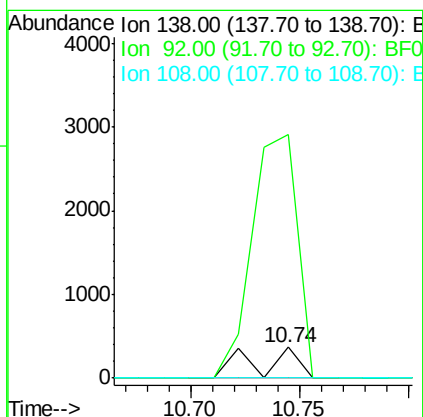
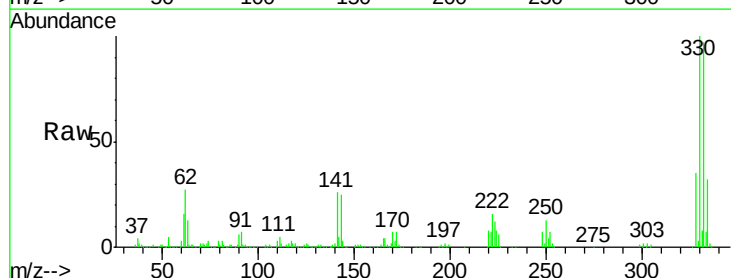
Instrument :
BNA_F
ClientSampleId :

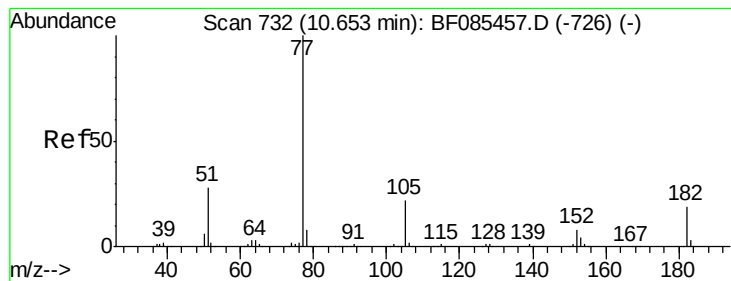
Tot Ion:149 Resp: 915
Ion Ratio Lower Upper
149 100
177 26.1 19.2 28.8
150 24.1 9.9 14.9#



#61
4-Nitroaniline
Concen: 0.10 ng
RT: 10.74 min Scan# 740
Delta R.T. 0.22 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Tgt Ion:138 Resp: 493
Ion Ratio Lower Upper
138 100
92 792.4 34.2 74.2#
108 0.0 53.9 93.9#





#62

Azobenzene

Concen: 0.01 ng

RT: 10.66 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 238

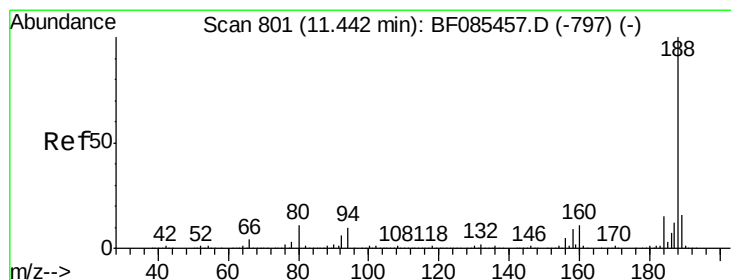
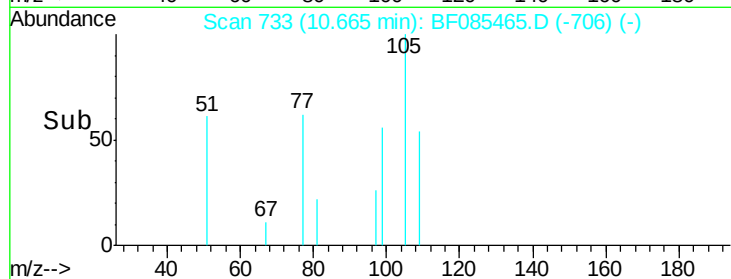
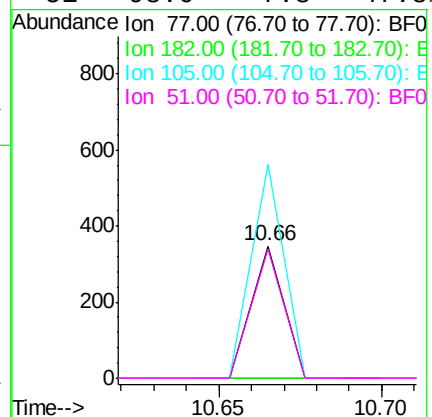
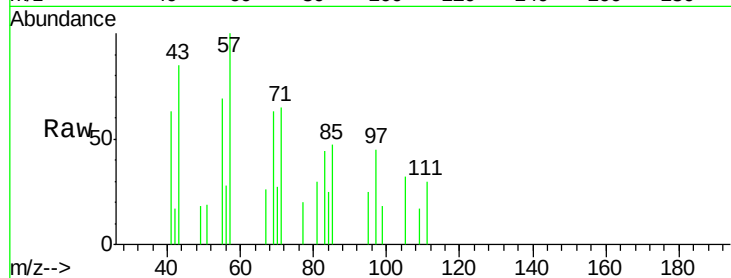
Ion Ratio Lower Upper

77 100

182 0.0 2.1 42.1#

105 161.7 3.8 43.8#

51 98.0 7.8 47.8#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

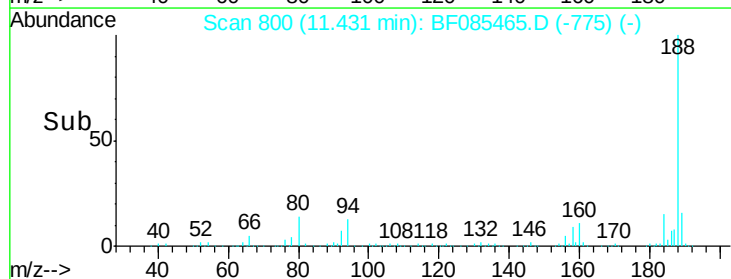
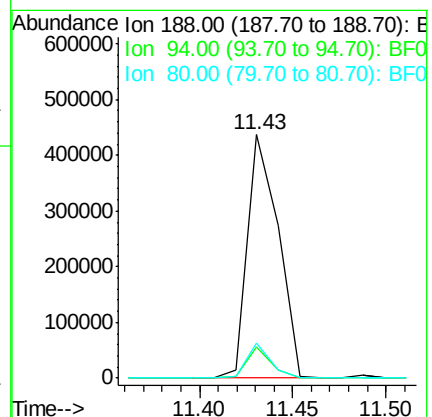
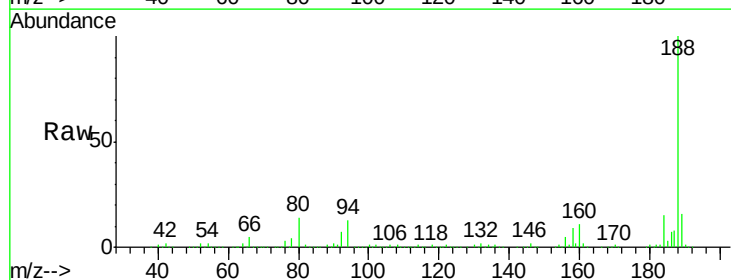
Tgt Ion: 188 Resp: 500796

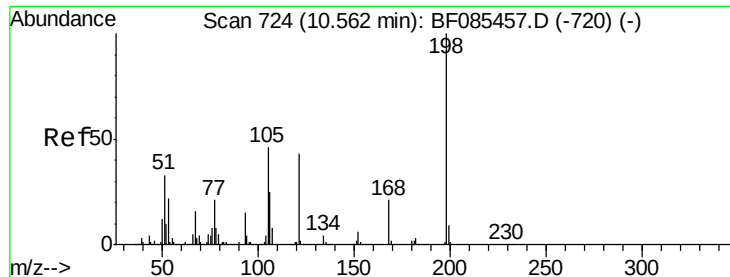
Ion Ratio Lower Upper

188 100

94 13.0 7.0 10.6#

80 14.1 7.4 11.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 0.35 ng

RT: 10.74 min Scan# 740

Delta R.T. 0.18 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

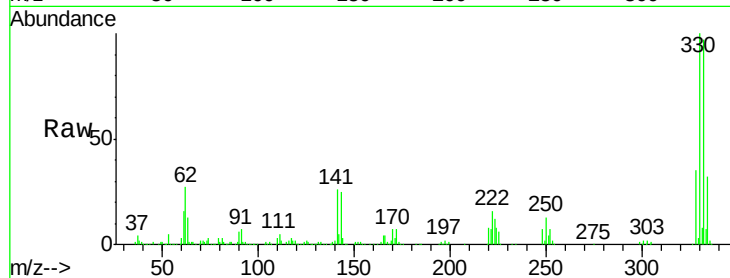
Tot Ion:198 Resp: 1046

Ion Ratio Lower Upper

198 100

51 108.7 9.5 49.5#

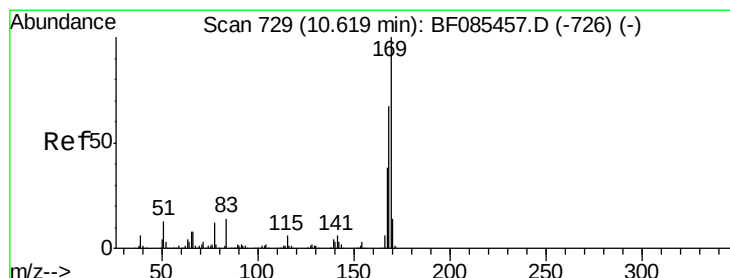
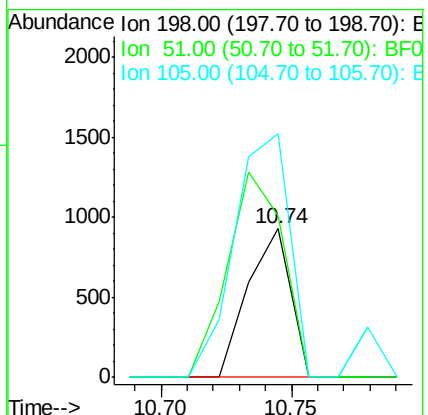
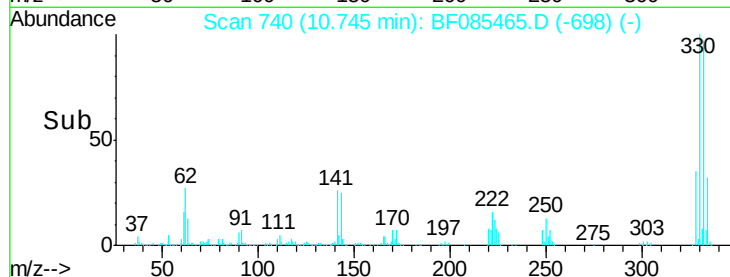
105 164.0 20.5 60.5#



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: 0.83 ng

RT: 10.74 min Scan# 740

Delta R.T. 0.13 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

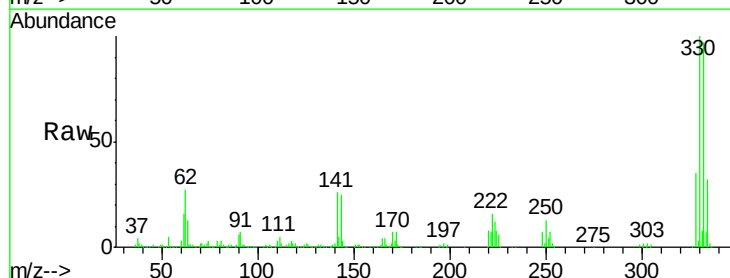
Tgt Ion:169 Resp: 12804

Ion Ratio Lower Upper

169 100

168 7.9 54.8 82.2#

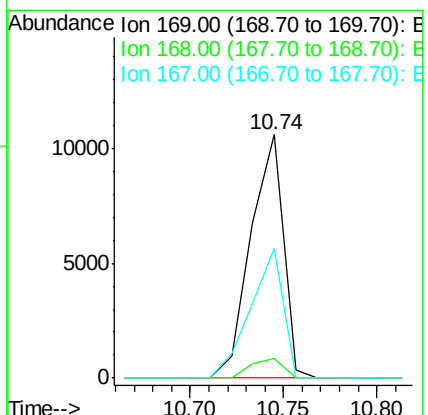
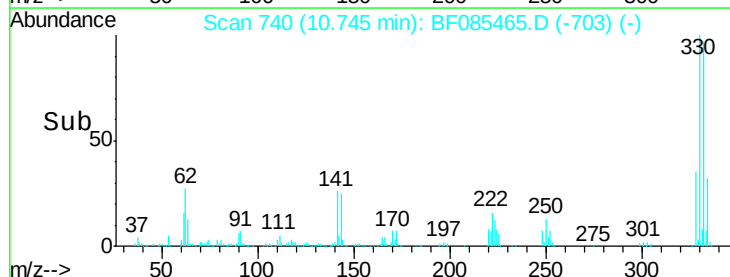
167 53.3 30.3 45.5#

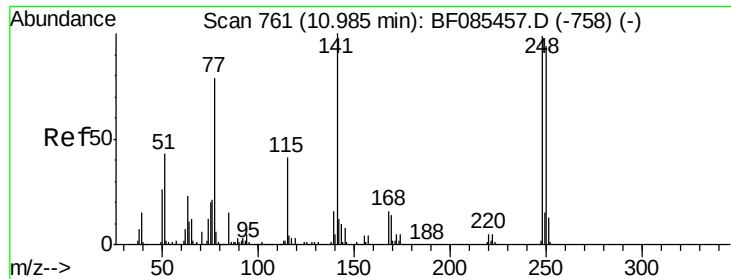


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

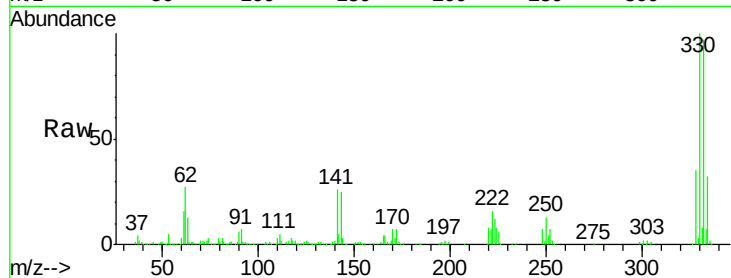




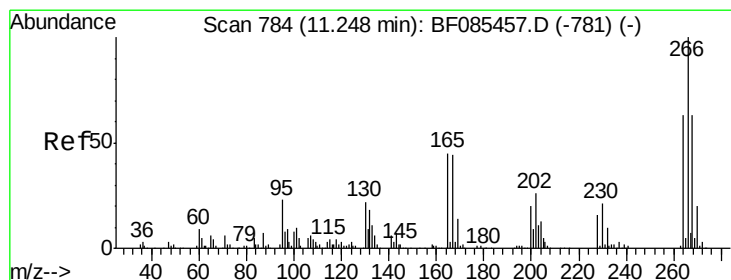
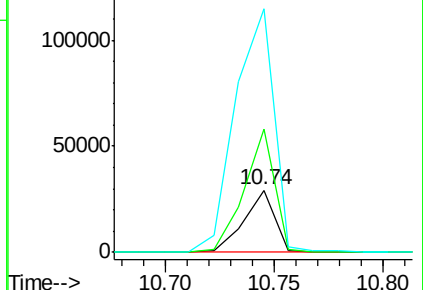
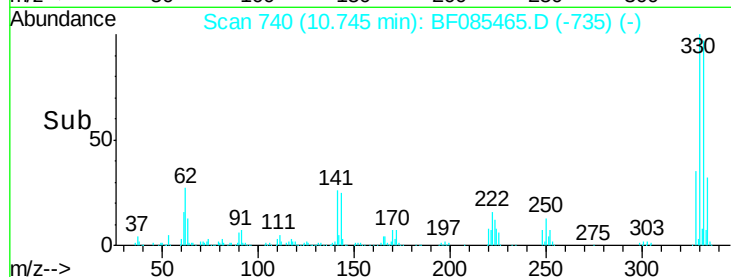
#66
4-Bromophenyl-phenylether
Concen: 5.62 ng
RT: 10.74 min Scan# 740
Delta R.T. -0.24 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 28496
Ion Ratio Lower Upper
248 100
250 199.9 77.1 115.7#
141 393.1 66.2 99.2#

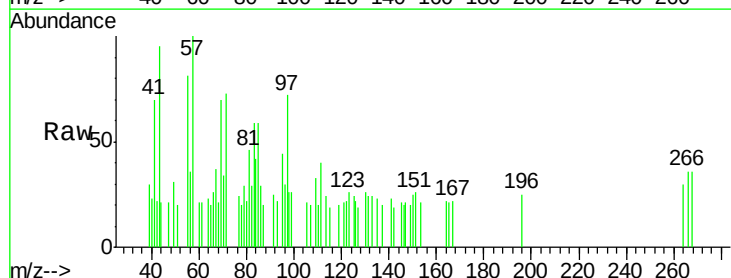


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

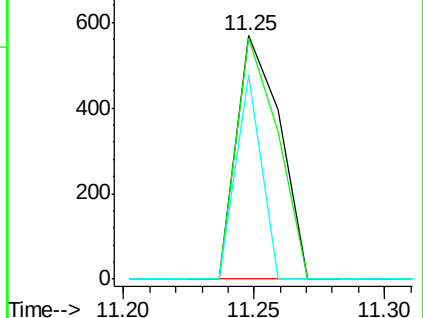
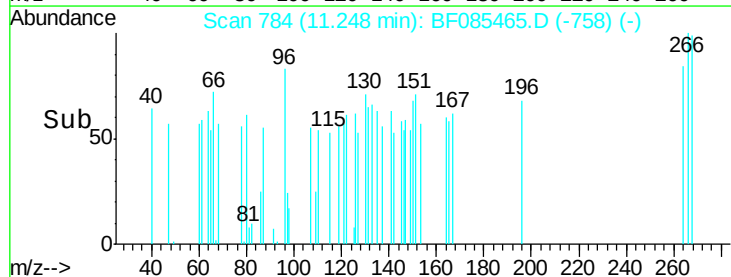


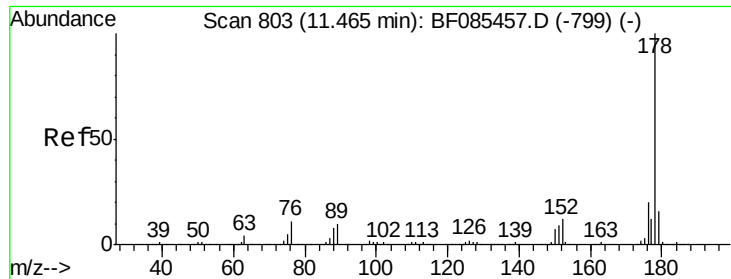
#69
Pentachlorophenol
Concen: 0.24 ng
RT: 11.25 min Scan# 784
Delta R.T. 0.00 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Tgt Ion:266 Resp: 661
Ion Ratio Lower Upper
266 100
268 99.1 50.0 75.0#
264 83.8 51.4 77.2#



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

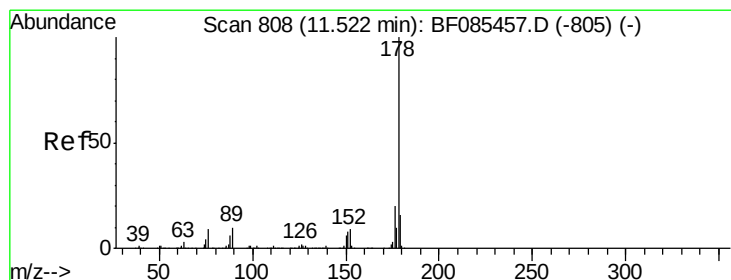
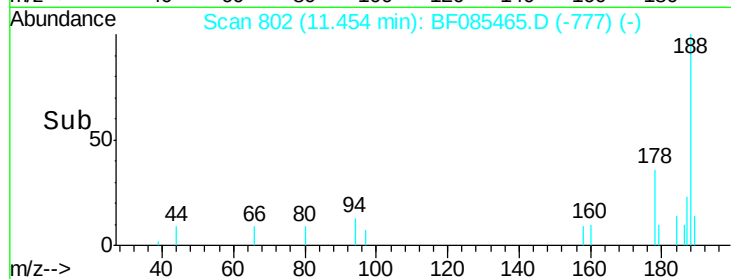
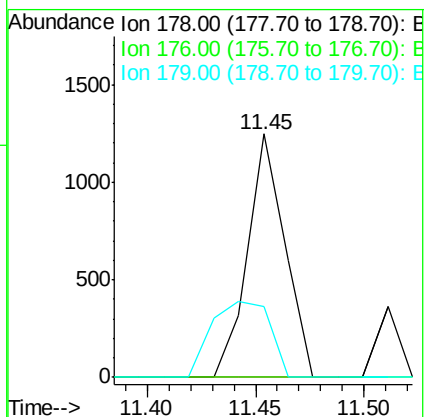
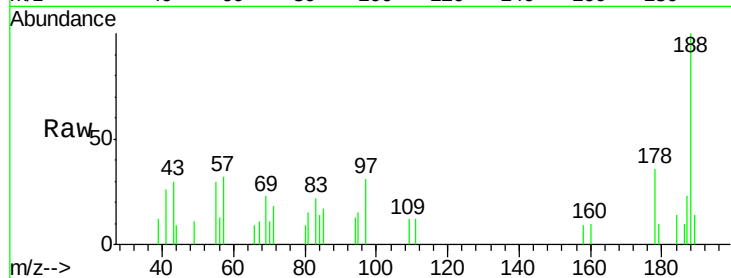




#70
 Phenanthrene
 Concen: 0.06 ng
 RT: 11.45 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

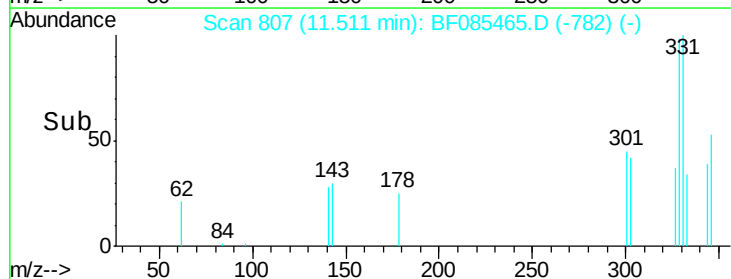
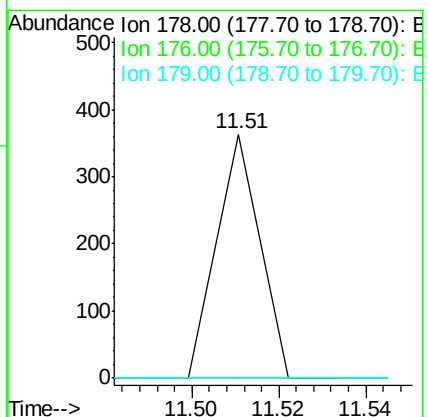
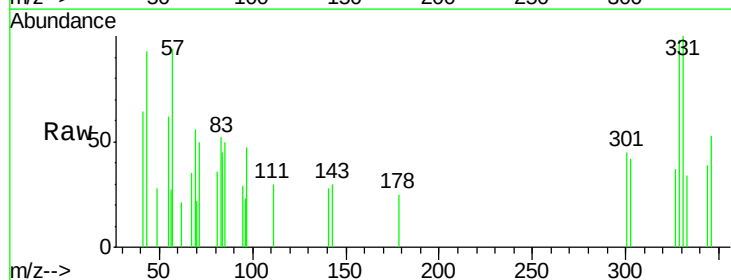
Instrument :
 BNA_F
 ClientSampleId :

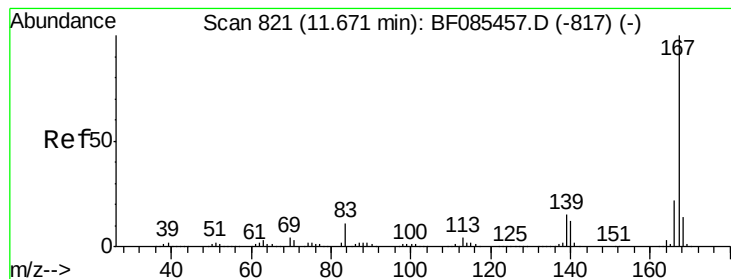
Tot Ion:178 Resp: 1484
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.8 25.2#
 179 28.9 13.1 19.7#



#71
 Anthracene
 Concen: 0.01 ng
 RT: 11.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

Tgt Ion:178 Resp: 249
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.9 23.9#
 179 0.0 12.5 18.7#





#72

Carbazole

Concen: 0.01 ng

RT: 11.67 min Scan# 821

Delta R.T. 0.00 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampled :

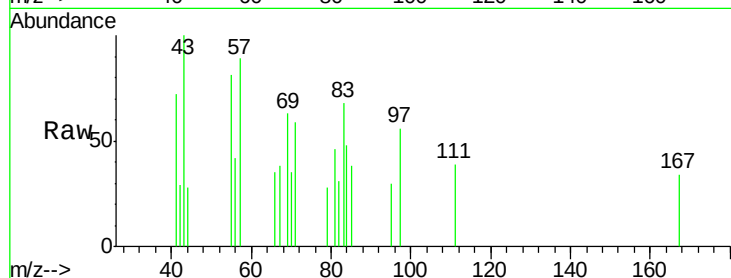
Tot Ion:167 Resp: 254

Ion Ratio Lower Upper

167 100

166 0.0 18.2 27.2#

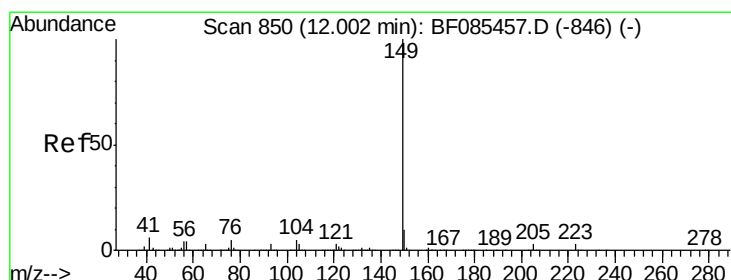
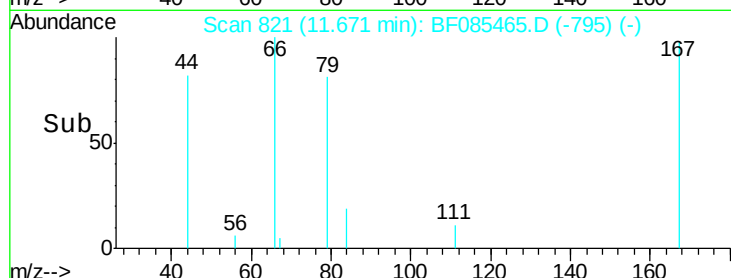
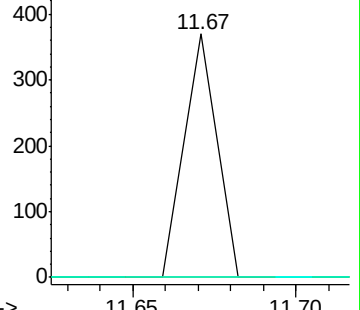
139 0.0 11.4 17.0#



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: 0.20 ng

RT: 11.99 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

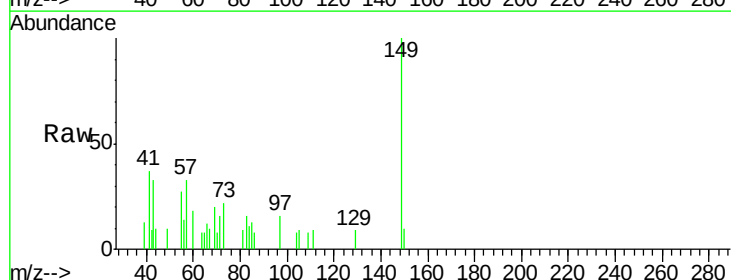
Tgt Ion:149 Resp: 5463

Ion Ratio Lower Upper

149 100

150 10.2 7.8 11.6

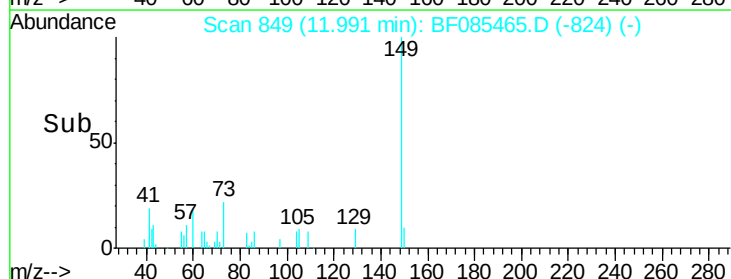
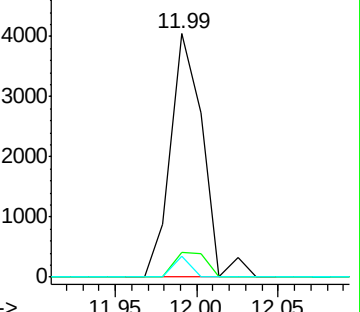
104 8.4 4.7 7.1#

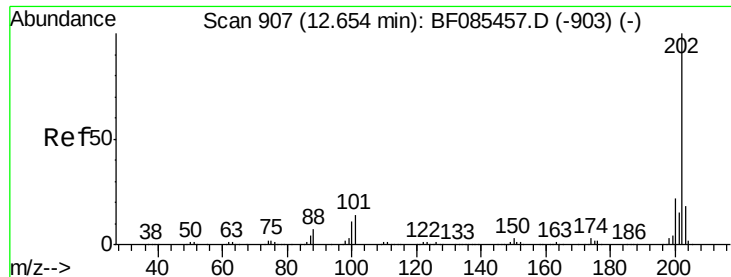


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

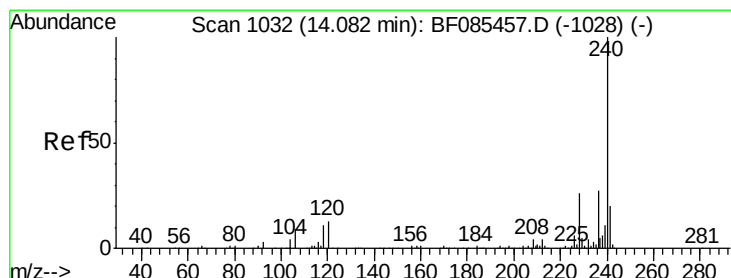
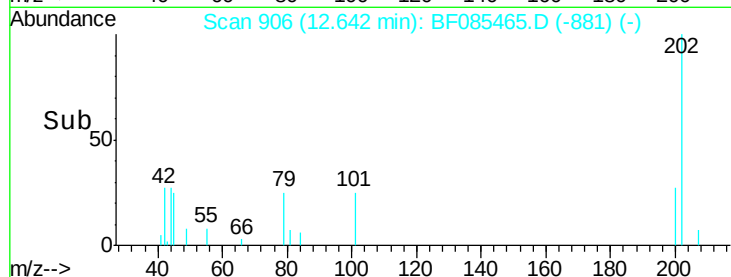
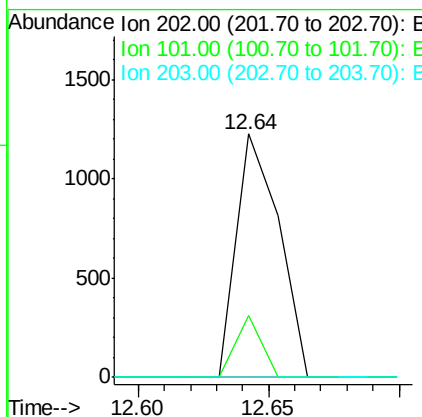
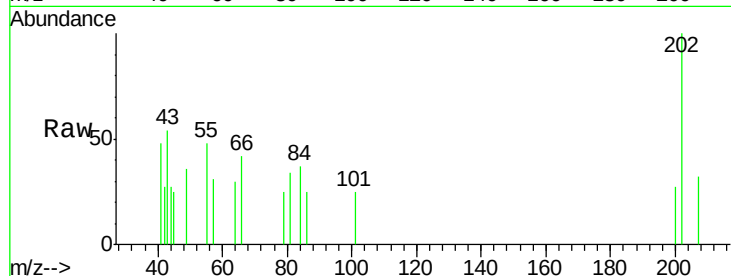




#74
 Fluoranthene
 Concen: 0.06 ng
 RT: 12.64 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

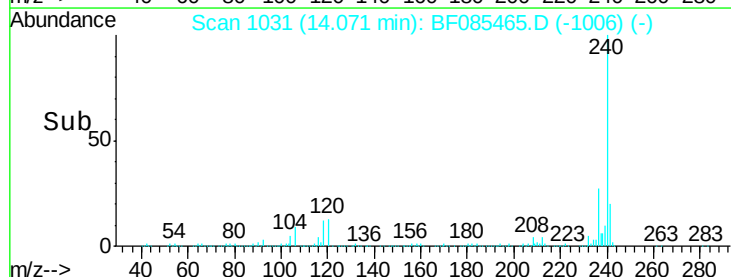
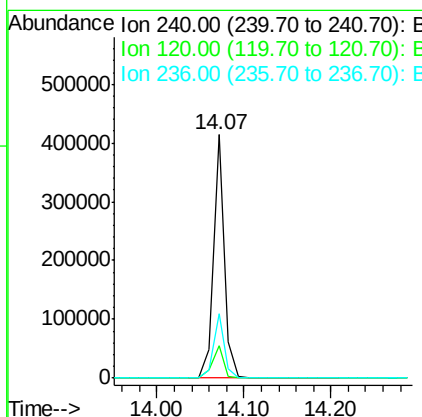
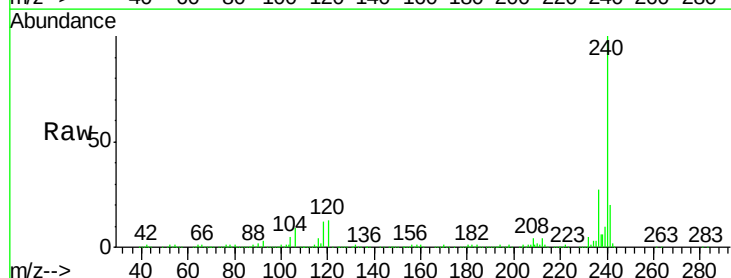
Instrument :
 BNA_F
 ClientSampleId :

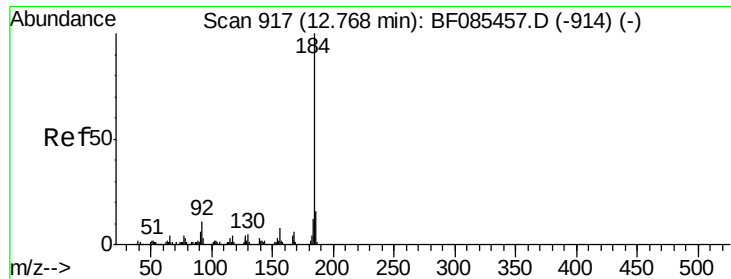
Tot Ion:202 Resp: 1399
 Ion Ratio Lower Upper
 202 100
 101 25.4 0.0 31.8
 203 0.0 0.0 38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.07 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

Tgt Ion:240 Resp: 365724
 Ion Ratio Lower Upper
 240 100
 120 13.4 5.3 7.9#
 236 26.5 20.7 31.1





#76

Benzidine

Concen: 0.04 ng

RT: 12.77 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampled :

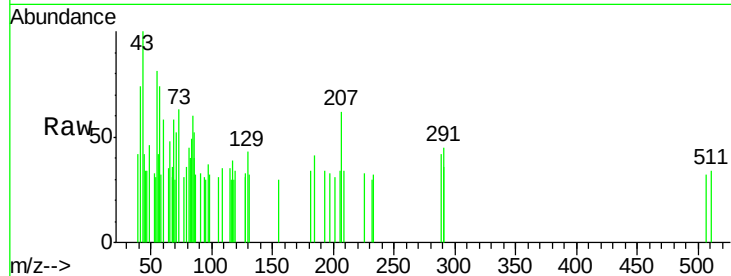
Tot Ion:184 Resp: 486

Ion Ratio Lower Upper

184 100

185 0.0 12.4 18.6#

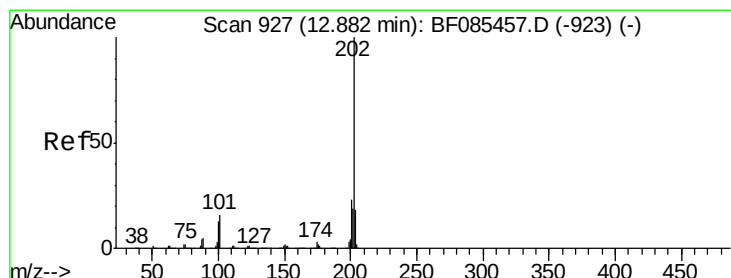
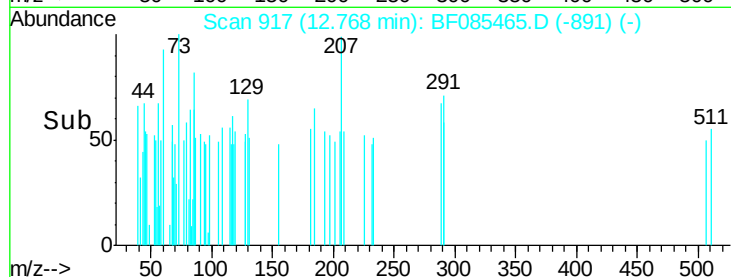
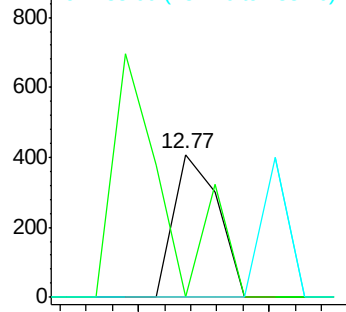
183 0.0 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 0.05 ng

RT: 12.87 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

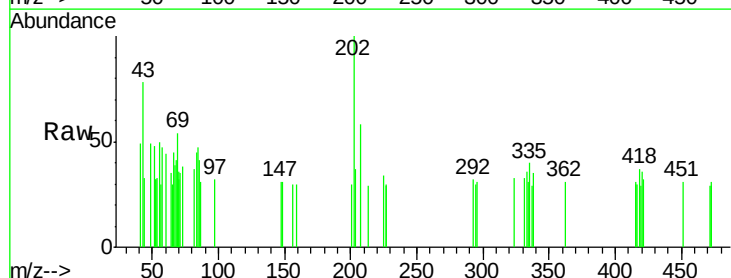
Tgt Ion:202 Resp: 1323

Ion Ratio Lower Upper

202 100

200 30.2 18.2 27.4#

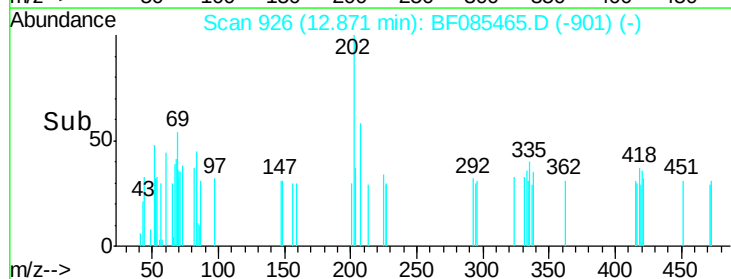
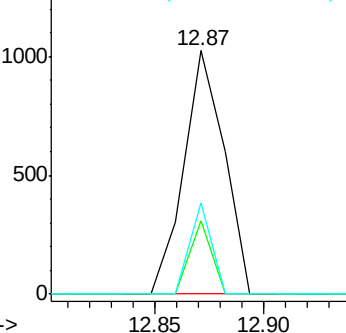
203 37.5 14.7 22.1#

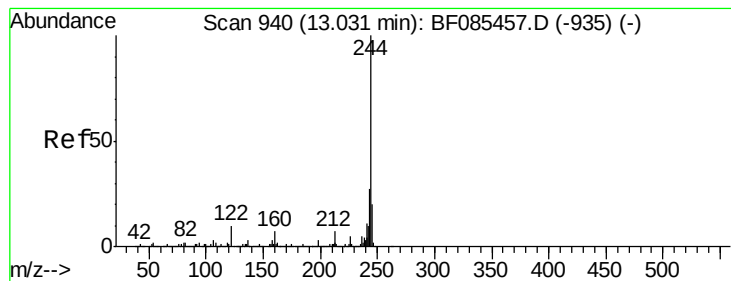


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 82.44 ng

RT: 13.02 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

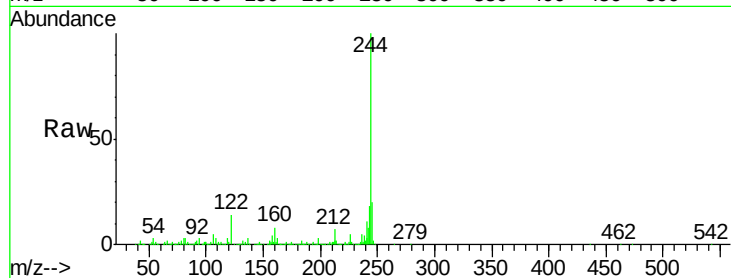
Tot Ion:244 Resp: 1332770

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

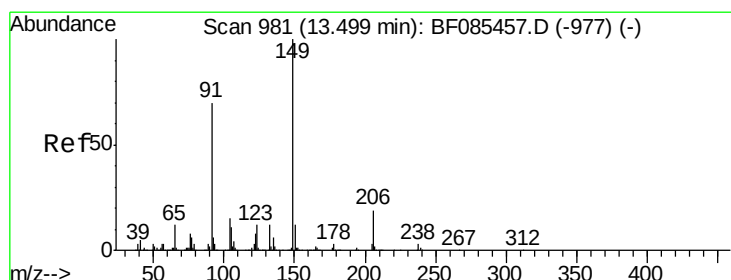
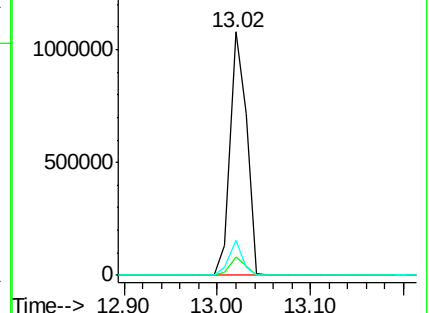
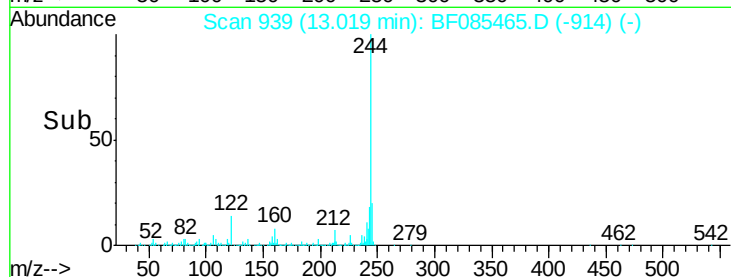
122 14.2 11.4 17.2



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



#79

Butylbenzylphthalate

Concen: 0.02 ng

RT: 13.50 min Scan# 981

Delta R.T. 0.00 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

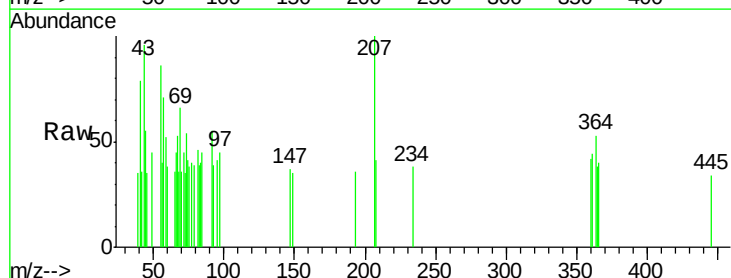
Tgt Ion:149 Resp: 208

Ion Ratio Lower Upper

149 100

91 159.9 69.0 103.4#

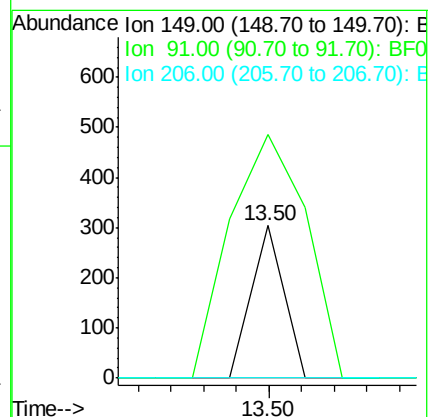
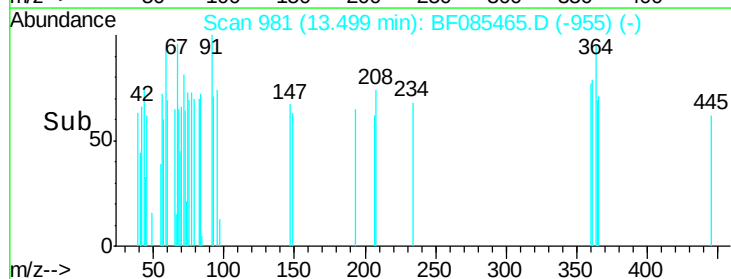
206 0.0 12.3 18.5#

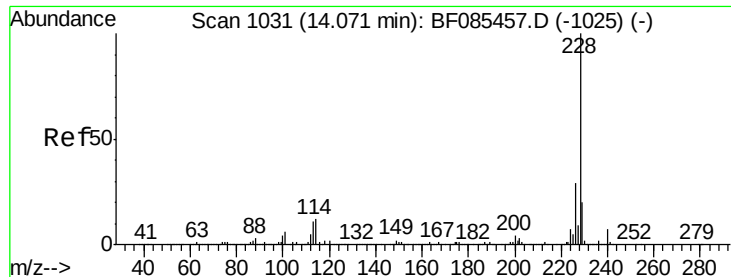


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.12 ng

RT: 14.07 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

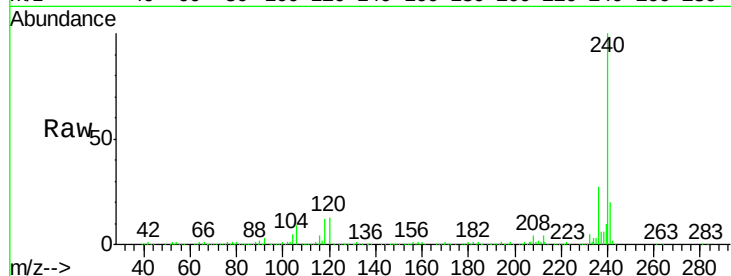
Tot Ion:228 Resp: 2461

Ion Ratio Lower Upper

228 100

226 0.0 22.8 34.2#

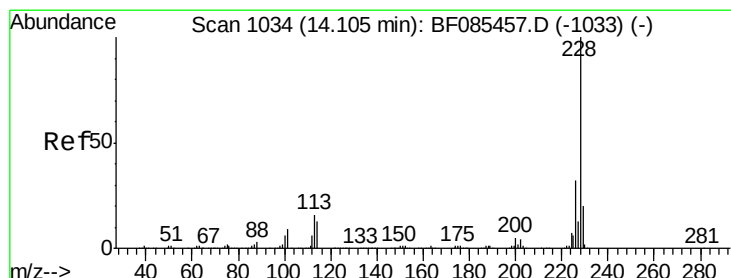
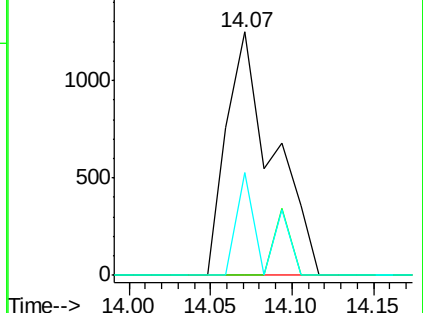
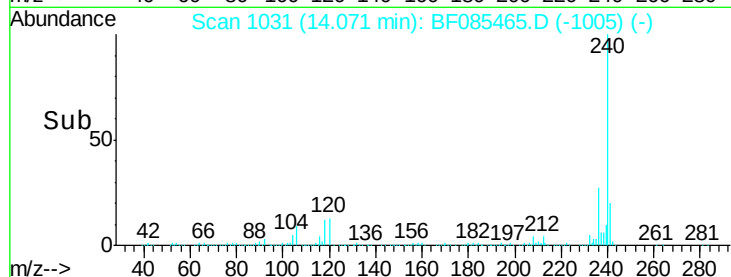
229 42.0 16.6 24.8#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 0.13 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

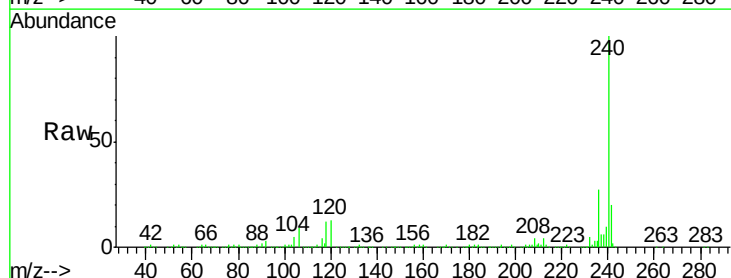
Tgt Ion:228 Resp: 2461

Ion Ratio Lower Upper

228 100

226 0.0 25.2 37.8#

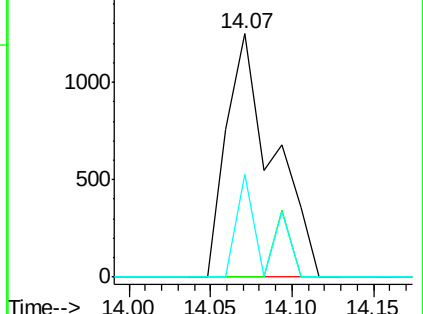
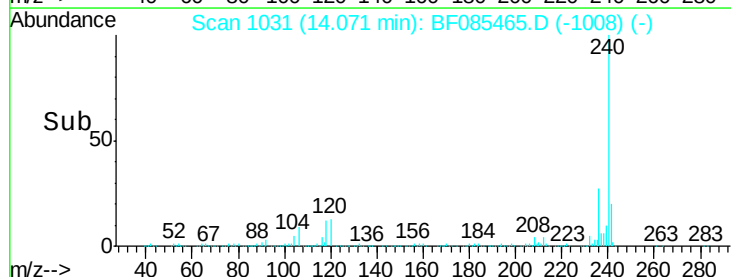
229 42.0 16.0 24.0#

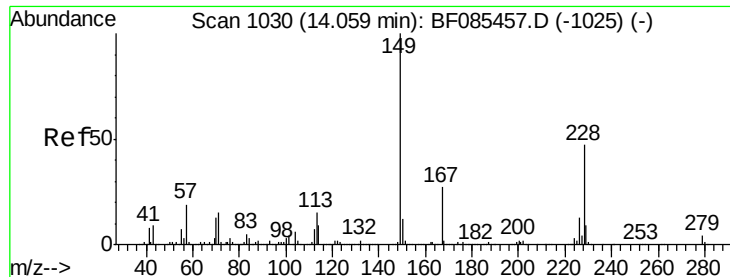


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 14.05 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampleId :

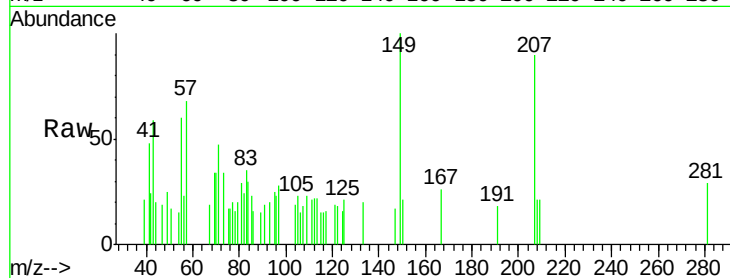
Tot Ion:149 Resp: 2728

Ion Ratio Lower Upper

149 100

167 26.5 20.3 30.5

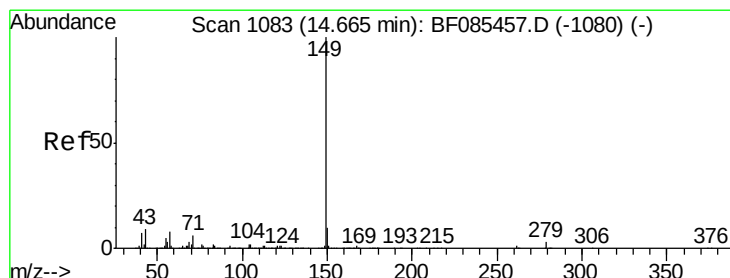
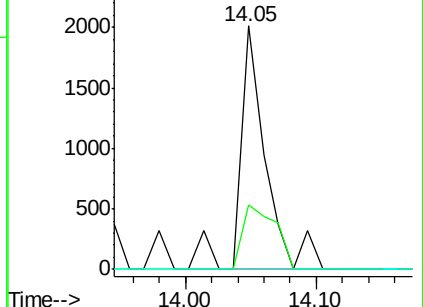
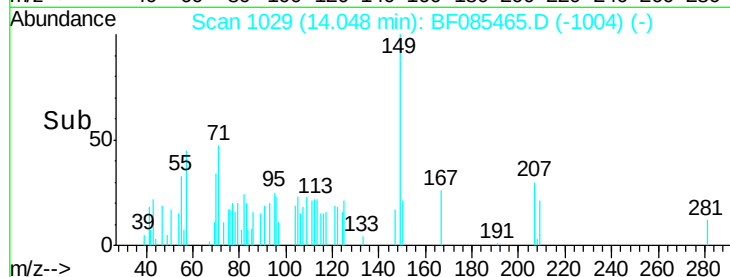
279 0.0 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 0.03 ng

RT: 14.70 min Scan# 1086

Delta R.T. 0.03 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

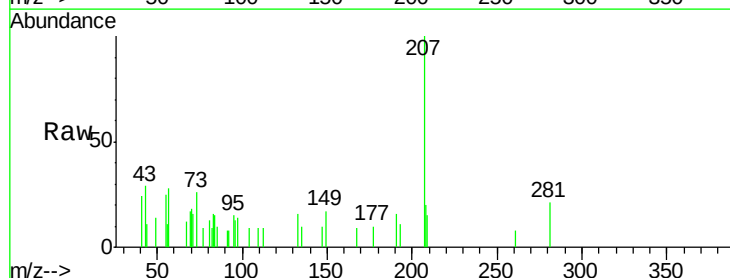
Tgt Ion:149 Resp: 653

Ion Ratio Lower Upper

149 100

167 33.5 1.1 1.7#

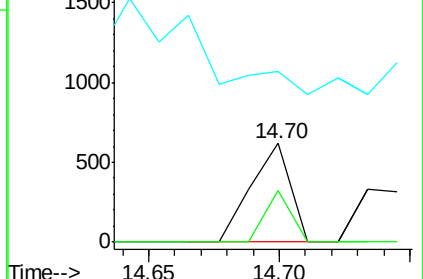
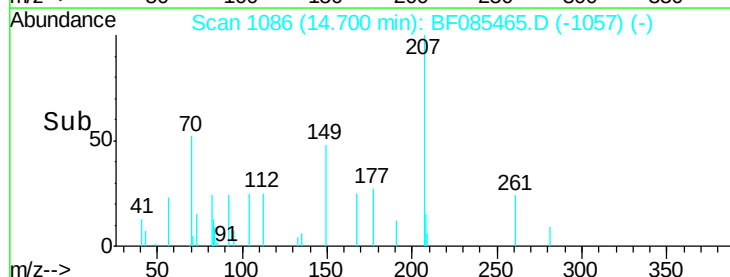
43 0.0 7.8 11.8#

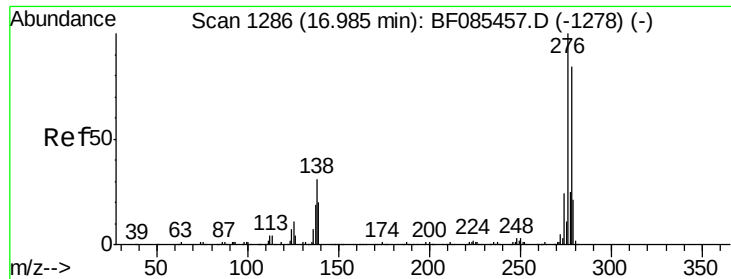


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

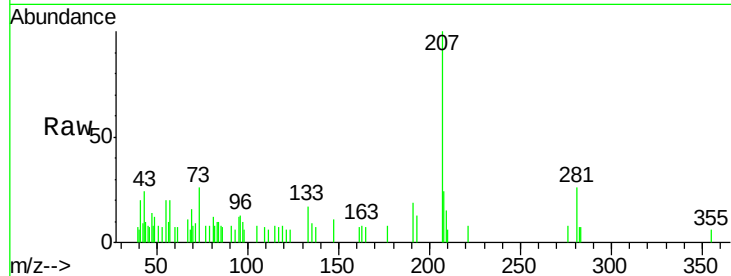




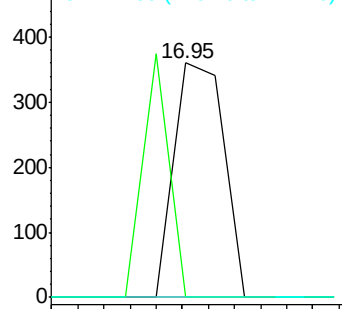
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 16.95 min Scan# 1283
 Delta R.T. -0.03 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

Instrument :
 BNA_F
 ClientSampled :

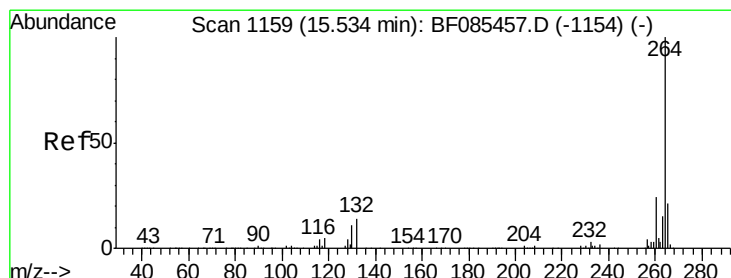
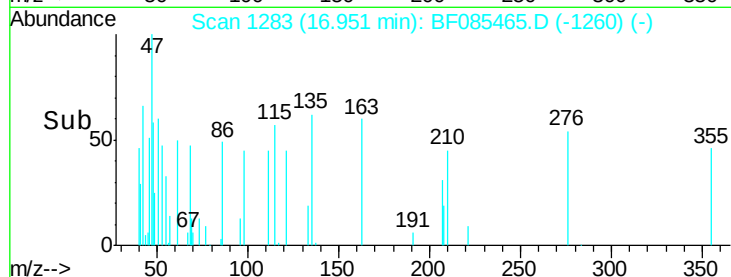
Tot Ion:276 Resp: 481
 Ion Ratio Lower Upper
 276 100
 138 53.2 26.4 39.6#
 277 0.0 20.2 30.2#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

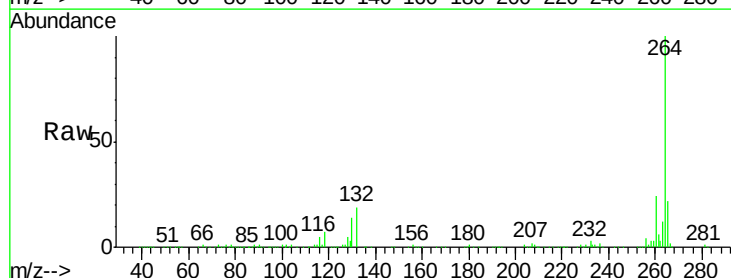


Time--> 16.90 16.95 17.00

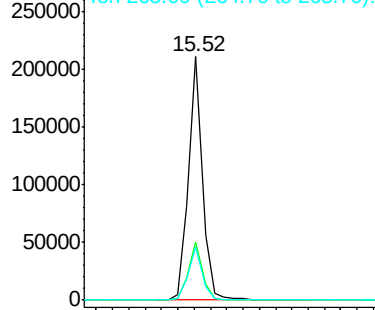


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.52 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF085465.D
 Acq: 15 Mar 2016 20:25

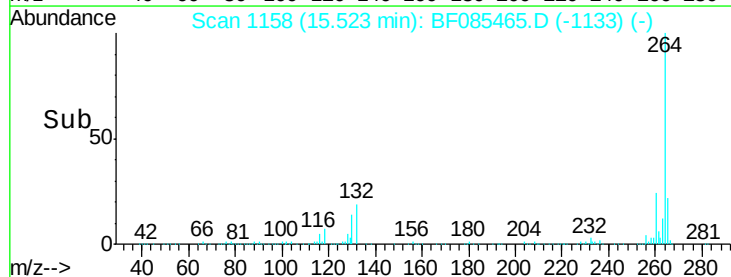
Tgt Ion:264 Resp: 250578
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.6 17.3 25.9

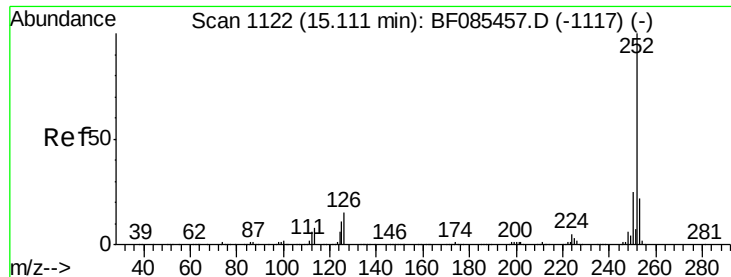


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time--> 15.40 15.50 15.60 15.70

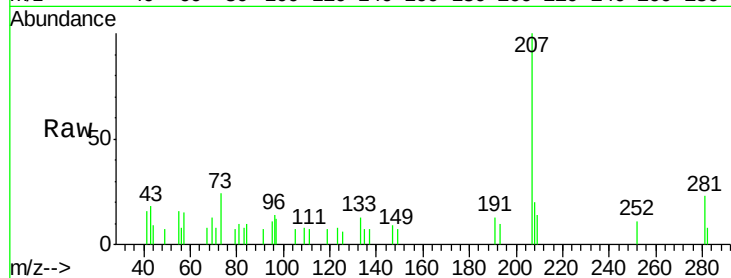




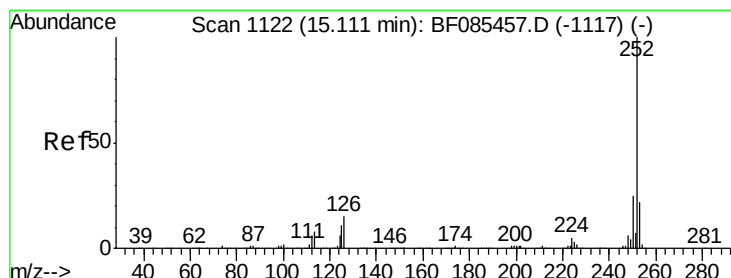
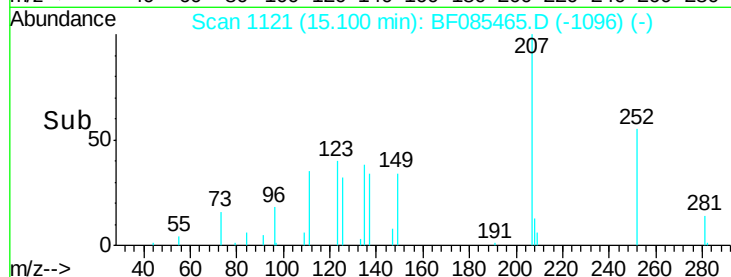
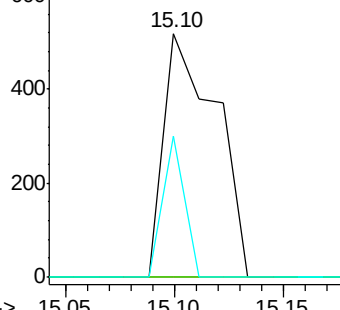
#87
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 15.10 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 871
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 57.9 11.3 16.9#

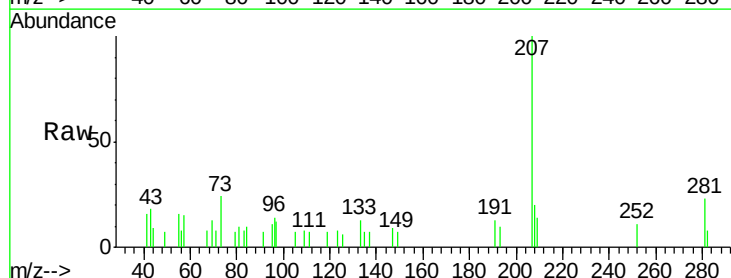


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

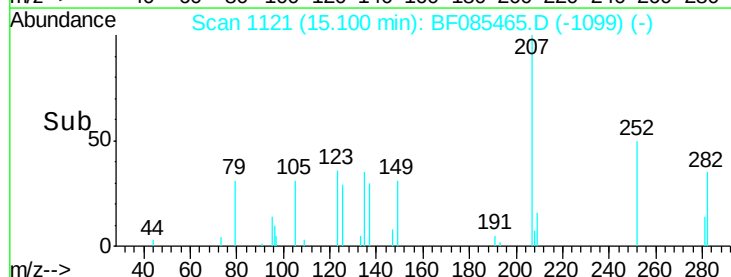
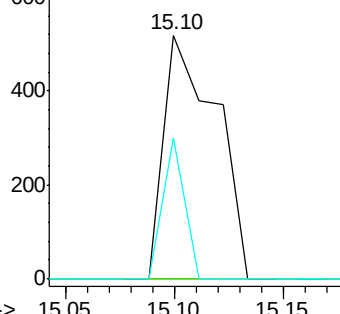


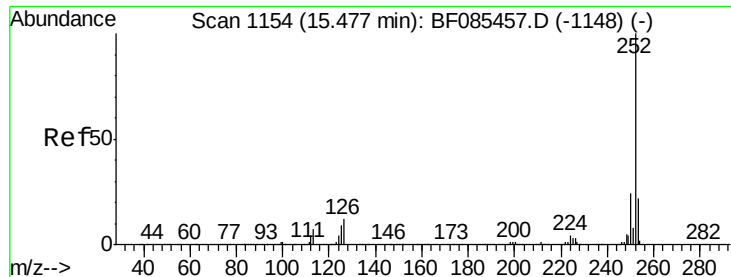
#88
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 15.10 min Scan# 1121
Delta R.T. -0.05 min
Lab File: BF085465.D
Acq: 15 Mar 2016 20:25

Tgt Ion:252 Resp: 871
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 57.9 10.4 15.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.04 ng

RT: 15.45 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

Instrument :

BNA_F

ClientSampled :

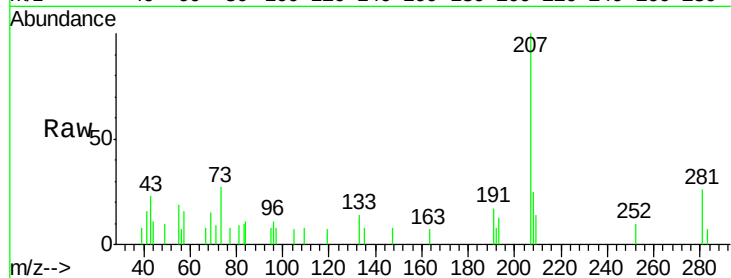
Tot Ion:252 Resp: 580

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.0#

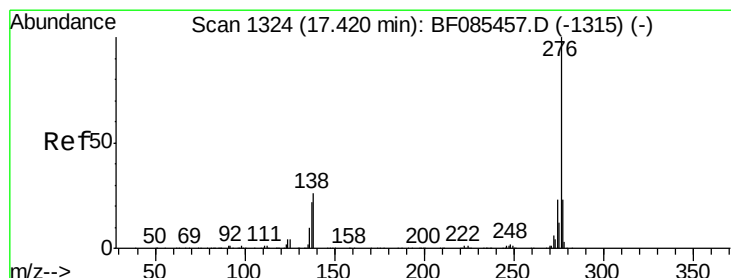
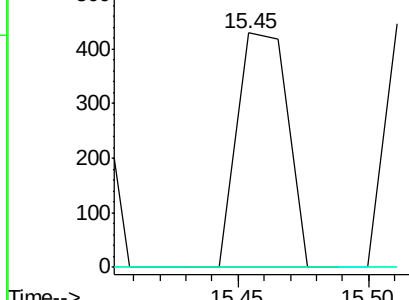
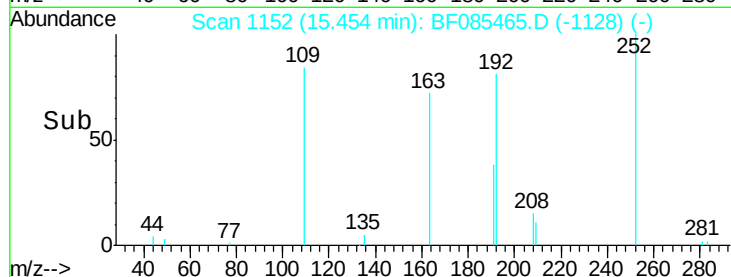
125 0.0 8.2 12.4#



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



#91

Benzo(g,h,i)perylene

Concen: 0.04 ng

RT: 17.39 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF085465.D

Acq: 15 Mar 2016 20:25

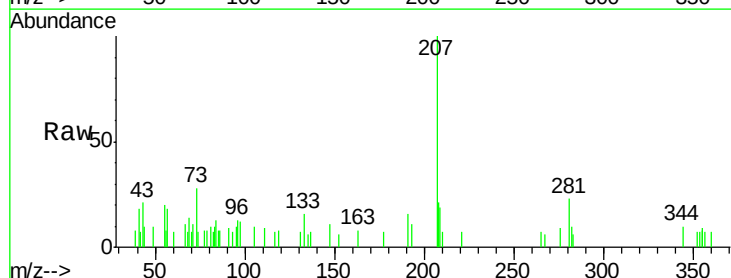
Tgt Ion:276 Resp: 580

Ion Ratio Lower Upper

276 100

277 0.0 19.0 28.4#

138 0.0 22.5 33.7#



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

