

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030816\
 Data File : BF085272.D
 Acq On : 8 Mar 2016 23:03
 Operator : UM/SJ
 Sample : H1704-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9899-B

Quant Time: Mar 09 00:07:12 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	159402	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	605774	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	292101	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	547368	20.00	ng	-0.02
75) Chrysene-d12	14.12	240	380698	20.00	ng	-0.03
86) Perylene-d12	15.58	264	275885	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1324016	139.33	ng	0.00
7) Phenol-d6	6.58	99	1289781	103.59	ng	-0.02
23) Nitrobenzene-d5	7.52	82	974216	86.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	384914	154.00	ng	-0.02
44) 2-Fluorobiphenyl	9.33	172	1874058	97.57	ng	-0.02
78) Terphenyl-d14	13.08	244	1817654	110.84	ng	-0.01

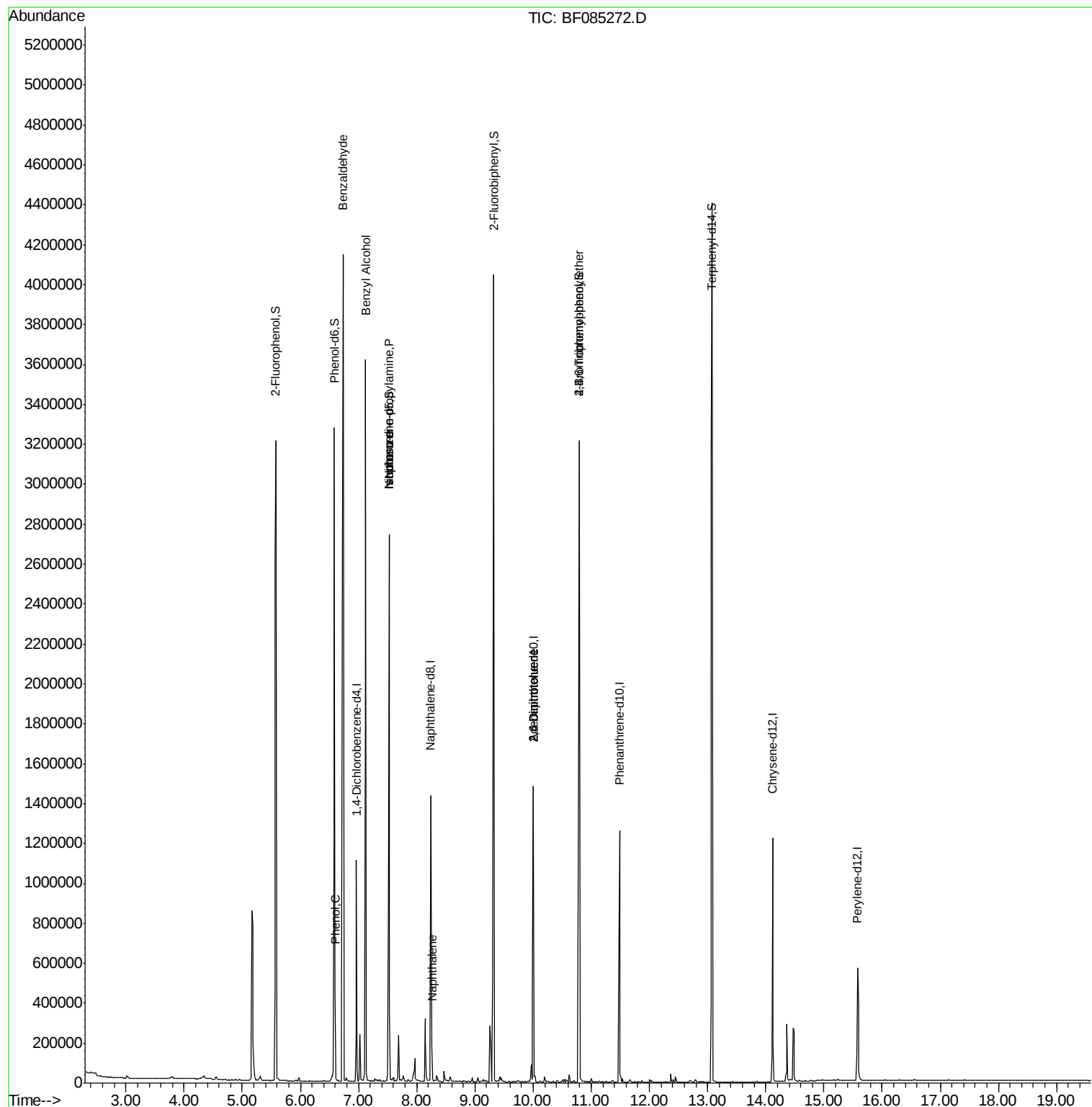
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	30893	2.41	ng	90
10) Phenol	6.60	94	26740	2.01	ng	91
15) Benzyl Alcohol	7.12	79	19529	2.14	ng	# 44
19) n-Nitroso-di-n-propylamine	7.52	70	133595	16.46	ng	# 78
25) Isophorone	7.52	82	739918	35.27	ng	# 67
31) Naphthalene	8.26	128	70828	2.38	ng	97
50) 2,6-Dinitrotoluene	10.00	165	37854	7.89	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	37857	6.17	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	28458	5.35	ng	# 1

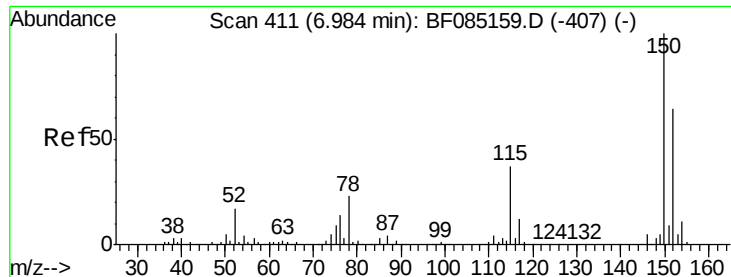
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 04 00:54:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

Instrument :

BNA_F

ClientSampleId :

LAR-9899-B

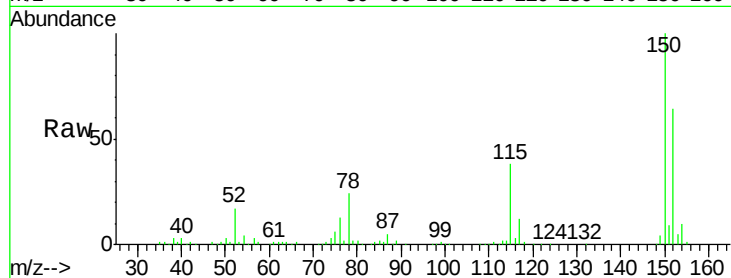
Tgt Ion:152 Resp: 159402

Ion Ratio Lower Upper

152 100

150 156.0 124.6 186.8

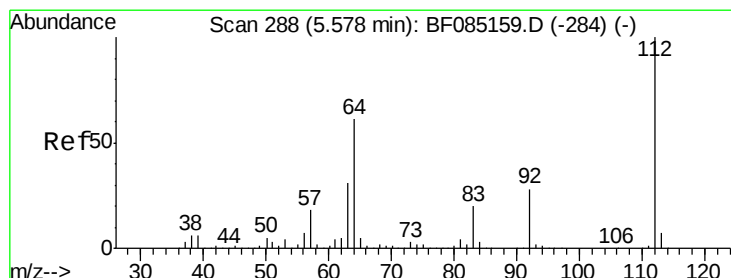
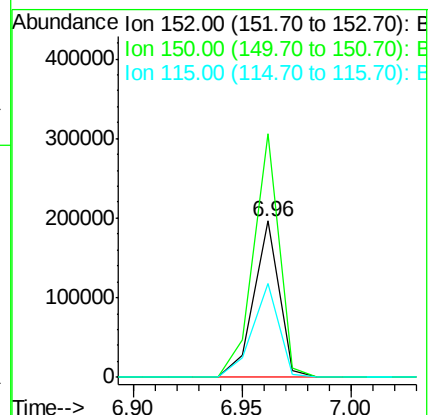
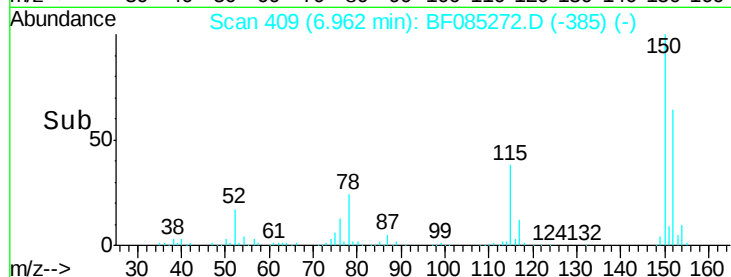
115 59.9 46.6 70.0



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



#5

2-Fluorophenol

Concen: 139.33 ng

RT: 5.58 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

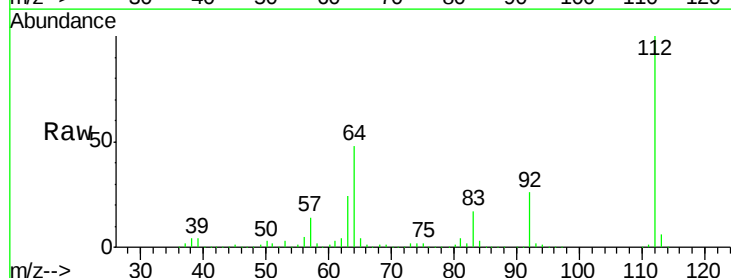
Tgt Ion:112 Resp: 1324016

Ion Ratio Lower Upper

112 100

64 48.3 49.0 73.4#

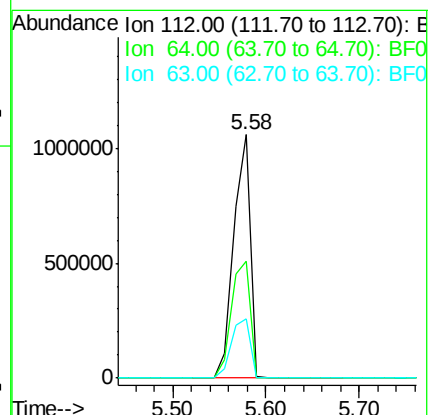
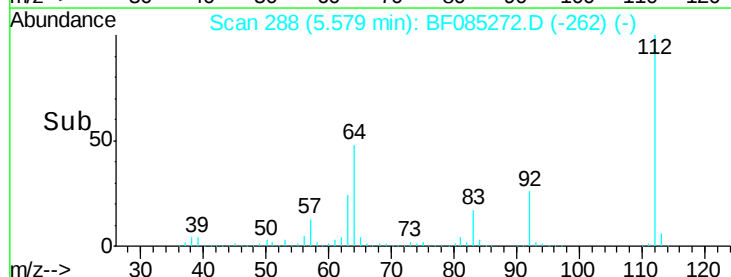
63 24.3 24.8 37.2#

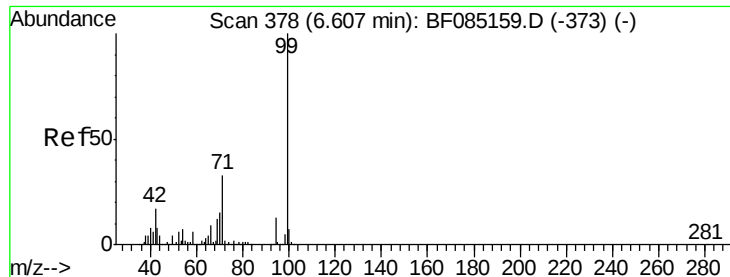


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.59 ng

RT: 6.58 min Scan# 376

Delta R.T. -0.02 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

Instrument :

BNA_F

ClientSampleId :

LAR-9899-B

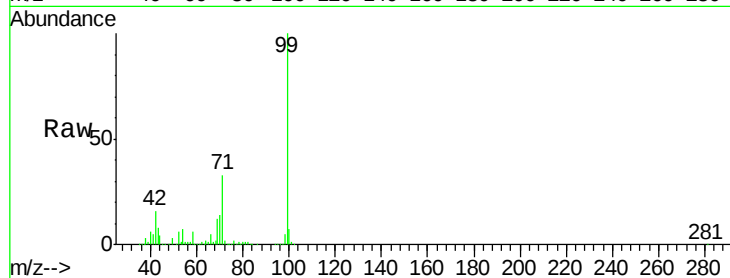
Tgt Ion: 99 Resp: 1289781

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

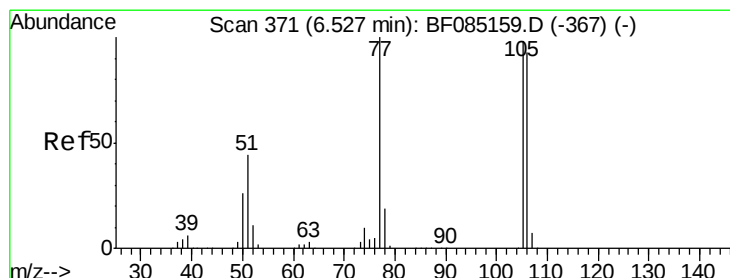
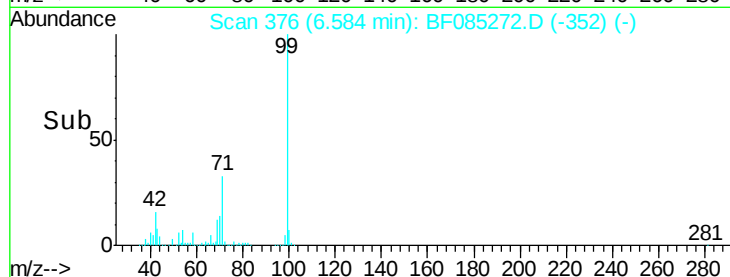
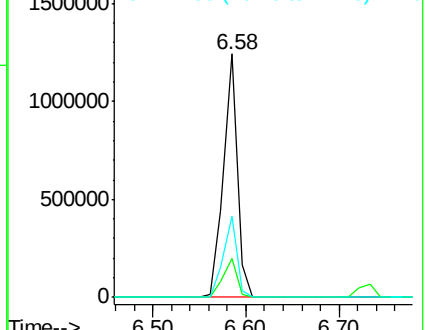
71 33.1 26.7 40.1



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



#9

Benzaldehyde

Concen: 2.41 ng

RT: 6.73 min Scan# 389

Delta R.T. 0.21 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

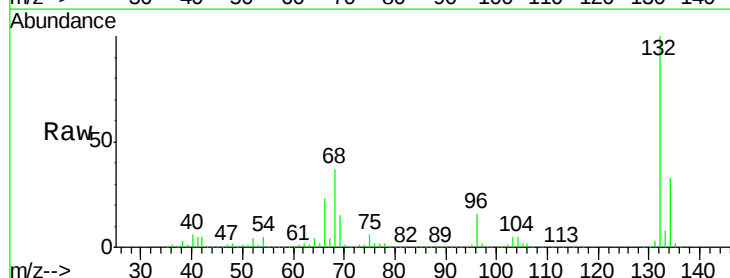
Tgt Ion: 77 Resp: 30893

Ion Ratio Lower Upper

77 100

105 87.9 78.2 118.2

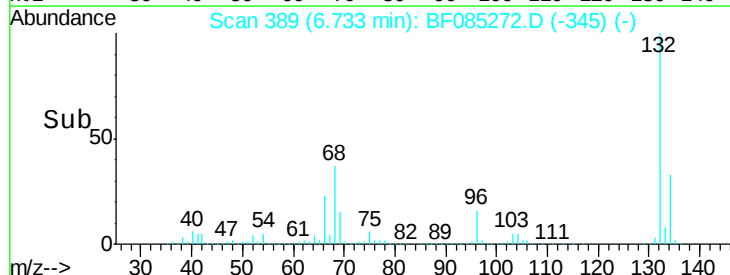
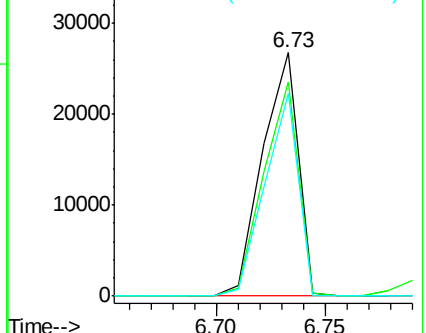
106 83.2 72.9 112.9

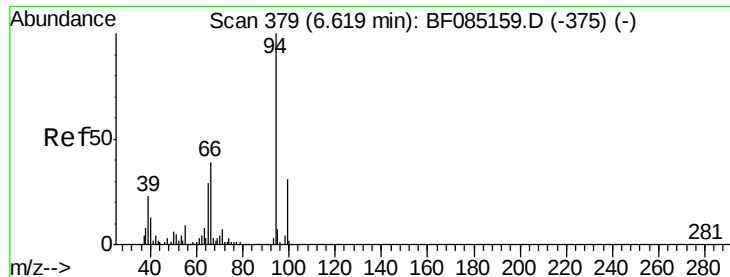


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.01 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

Instrument :

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ClientSampleId :

LAR-9899-B

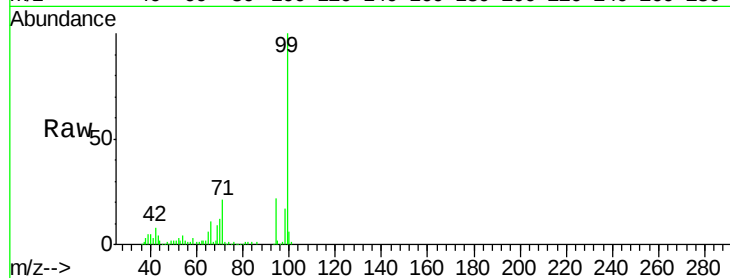
Tgt Ion: 94 Resp: 26740

Ion Ratio Lower Upper

94 100

65 29.5 9.1 49.1

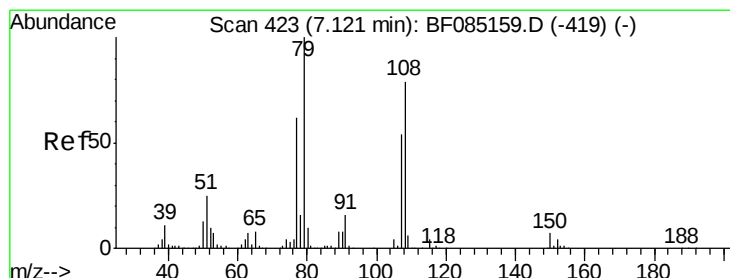
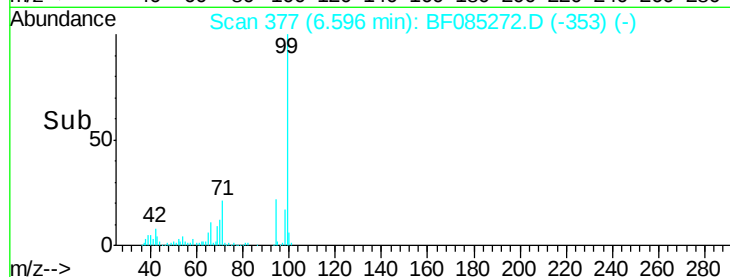
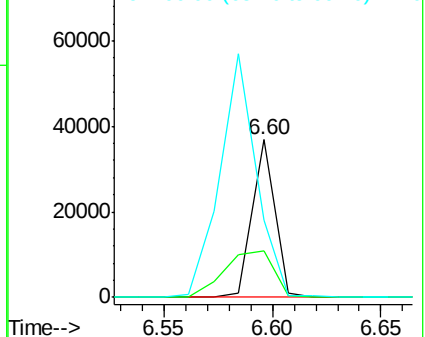
66 49.1 19.3 59.3



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 7.12 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

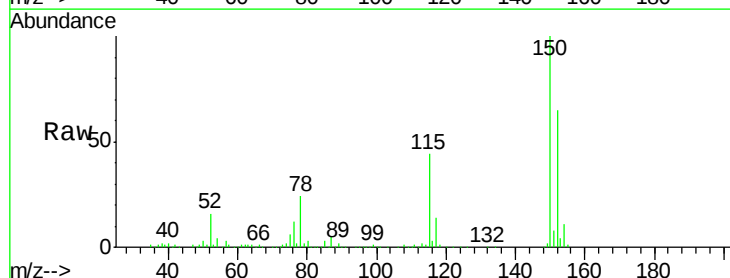
Tgt Ion: 79 Resp: 19529

Ion Ratio Lower Upper

79 100

108 37.3 62.9 94.3#

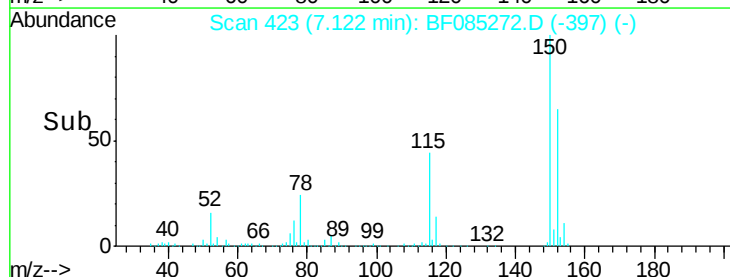
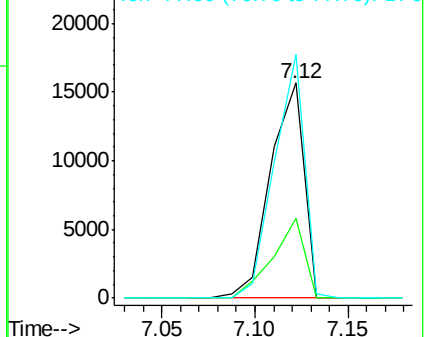
77 113.3 49.5 74.3#

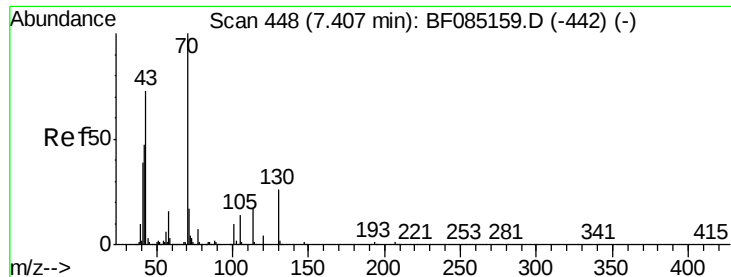


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

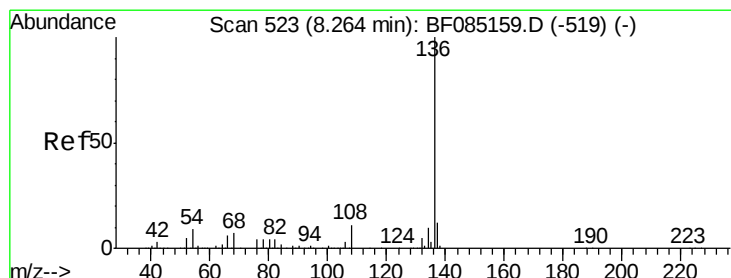
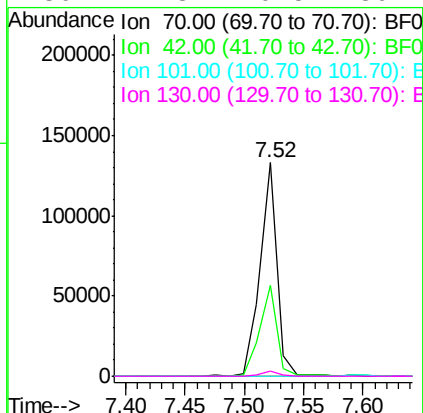
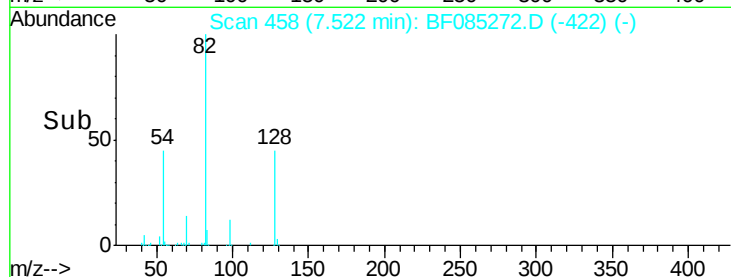
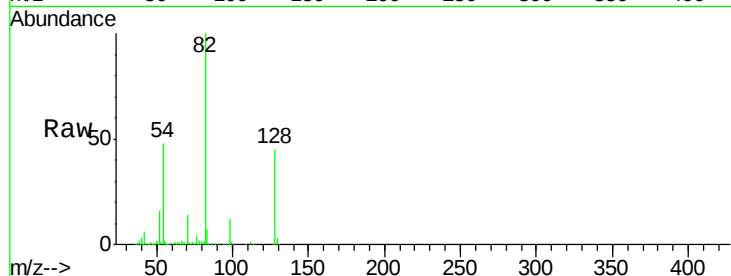




#19
n-Nitroso-di-n-propylamine
Concen: 16.46 ng
RT: 7.52 min Scan# 458
Delta R.T. 0.11 min
Lab File: BF085272.D
Acq: 8 Mar 2016 23:03

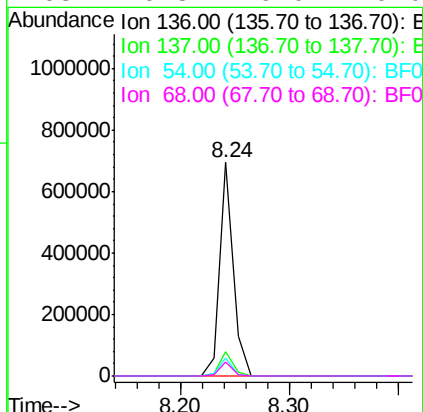
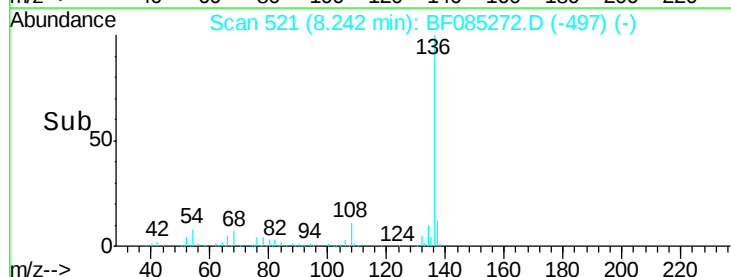
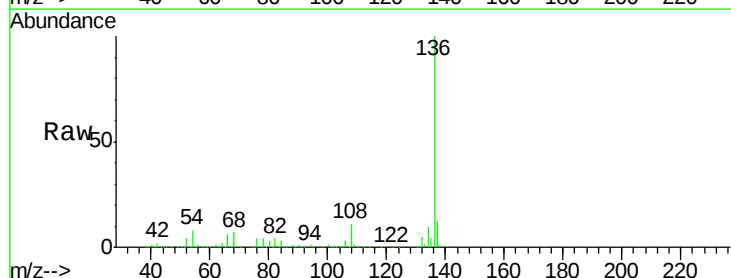
Instrument :
BNA_F
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LAR-9899-B

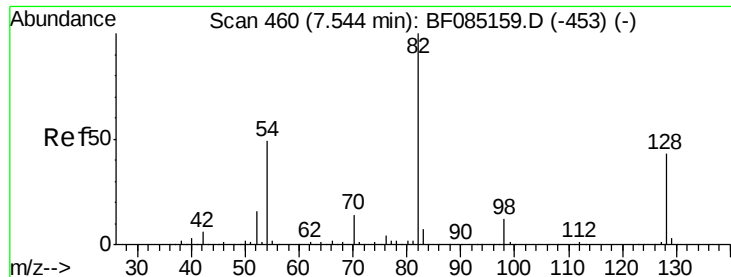
Tgt Ion: 70 Resp: 133595
Ion Ratio Lower Upper
70 100
42 42.5 37.7 56.5
101 0.0 8.2 12.4#
130 2.3 20.5 30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 521
Delta R.T. -0.02 min
Lab File: BF085272.D
Acq: 8 Mar 2016 23:03

Tgt Ion: 136 Resp: 605774
Ion Ratio Lower Upper
136 100
137 11.7 9.3 13.9
54 8.2 7.4 11.2
68 6.8 6.0 9.0

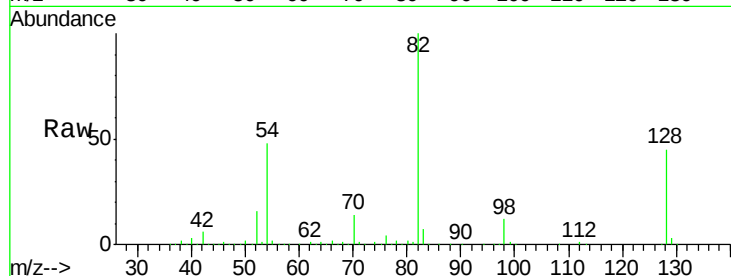




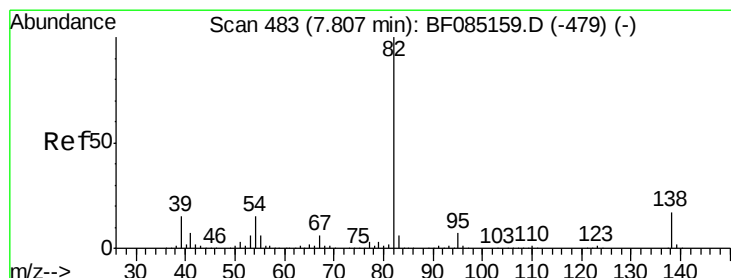
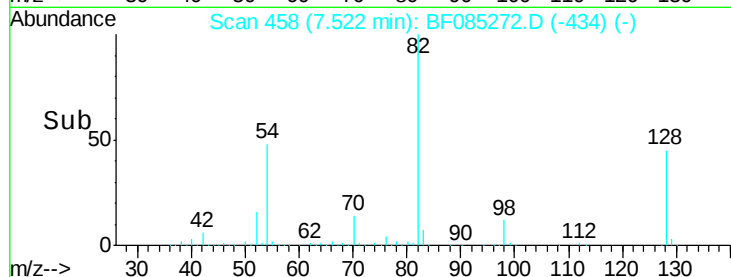
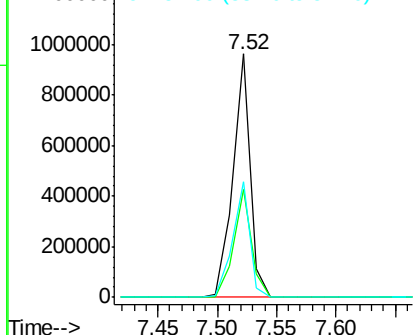
#23
Nitrobenzene-d5
Concen: 86.06 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF085272.D
Acq: 8 Mar 2016 23:03

Instrument :
BNA_F
ClientSampleId :
LAR-9899-B

Tgt Ion: 82 Resp: 974216
Ion Ratio Lower Upper
82 100
128 44.5 34.5 51.7
54 47.5 39.3 58.9

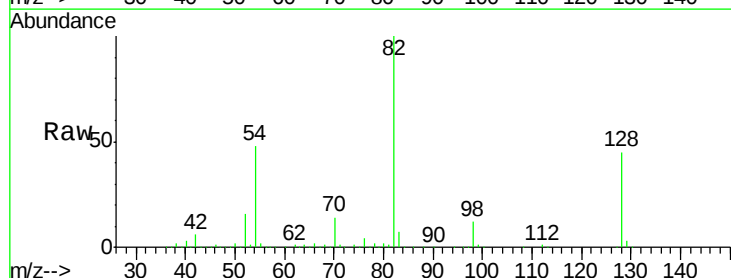


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

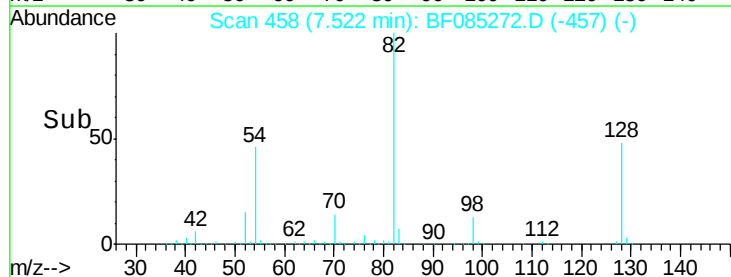
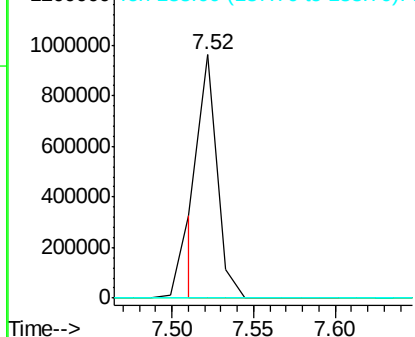


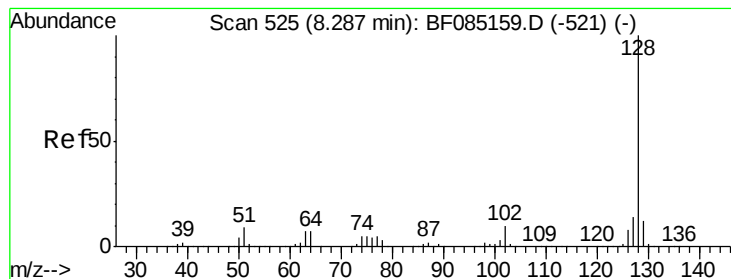
#25
Isophorone
Concen: 35.27 ng
RT: 7.52 min Scan# 458
Delta R.T. -0.29 min
Lab File: BF085272.D
Acq: 8 Mar 2016 23:03

Tgt Ion: 82 Resp: 739918
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.3 19.9#



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





#31

Naphthalene

Concen: 2.38 ng

RT: 8.26 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

Instrument :

BNA_F

ClientSampleId :

LAR-9899-B

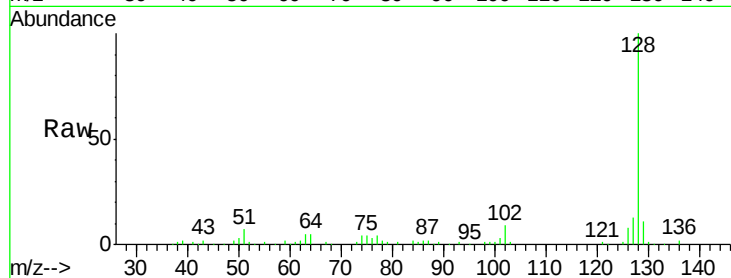
Tgt Ion:128 Resp: 70828

Ion Ratio Lower Upper

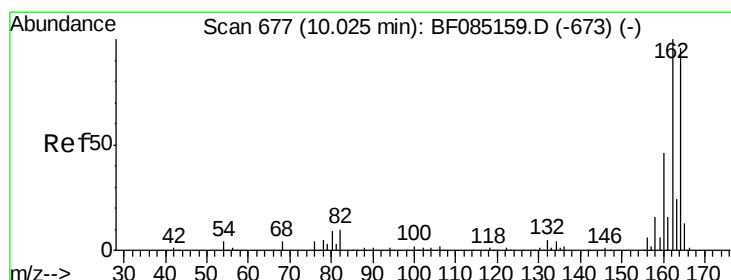
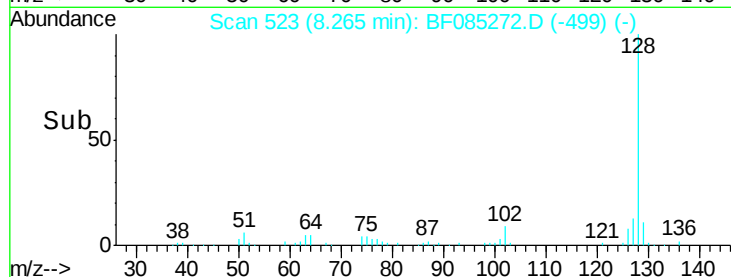
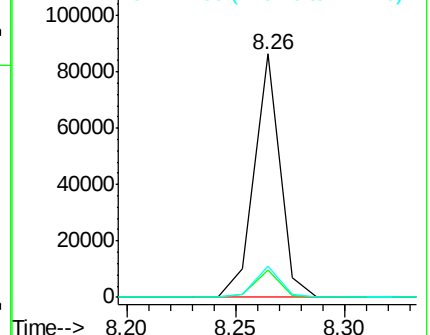
128 100

129 11.0 9.7 14.5

127 12.5 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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.02 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

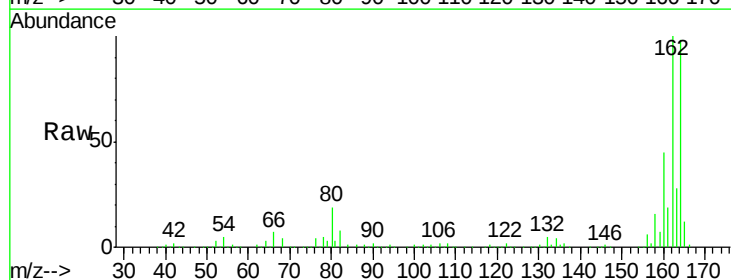
Tgt Ion:164 Resp: 292101

Ion Ratio Lower Upper

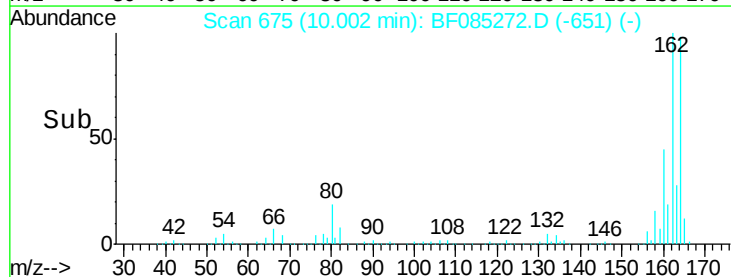
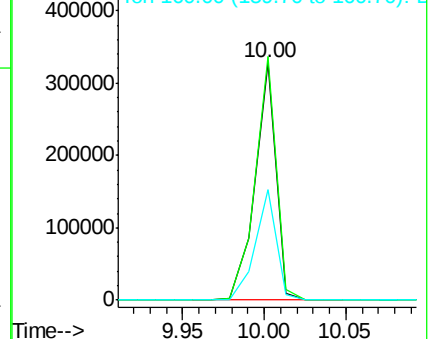
164 100

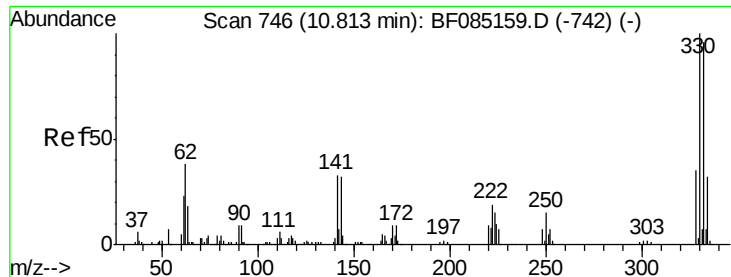
162 102.5 83.3 124.9

160 46.6 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

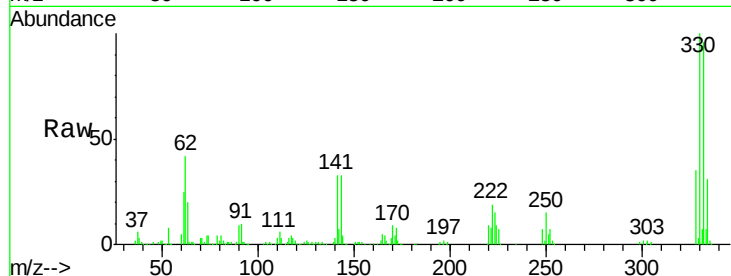




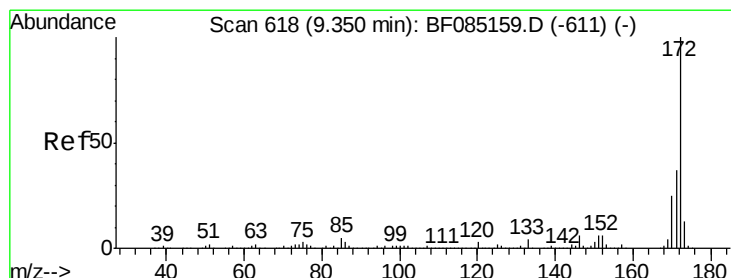
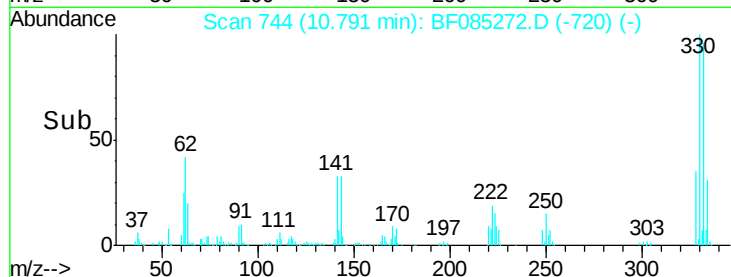
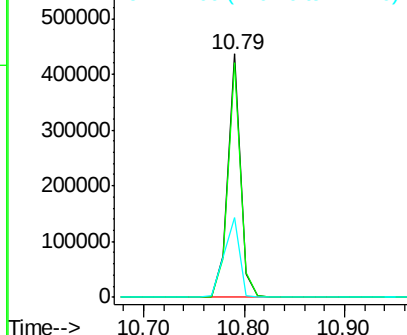
#41
 2,4,6-Tribromophenol
 Concen: 154.00 ng
 RT: 10.79 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF085272.D
 Acq: 8 Mar 2016 23:03

Instrument :
 BNA_F
 ClientSampleId :
 LAR-9899-B

Tgt Ion:330 Resp: 384914
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.1 115.7
 141 39.9 35.0 52.6

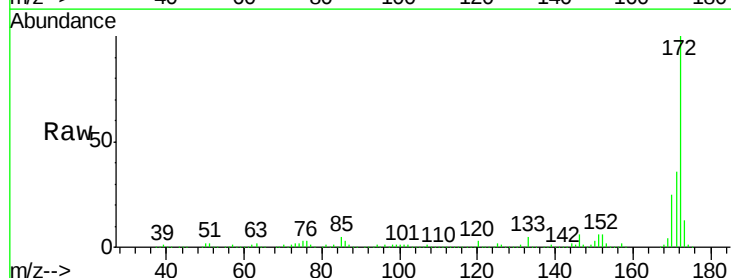


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

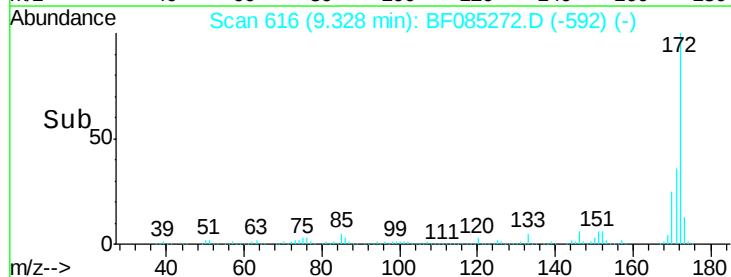
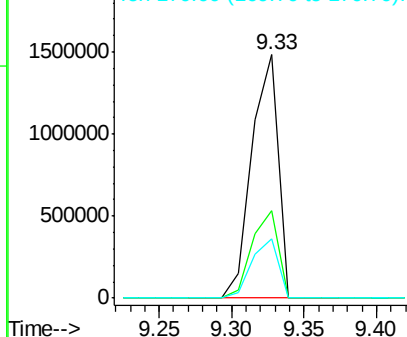


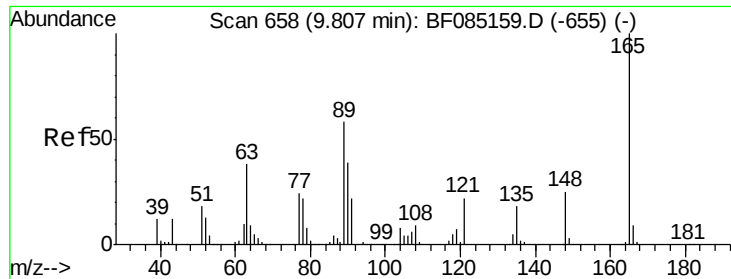
#44
 2-Fluorobiphenyl
 Concen: 97.57 ng
 RT: 9.33 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF085272.D
 Acq: 8 Mar 2016 23:03

Tgt Ion:172 Resp: 1874058
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 24.6 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

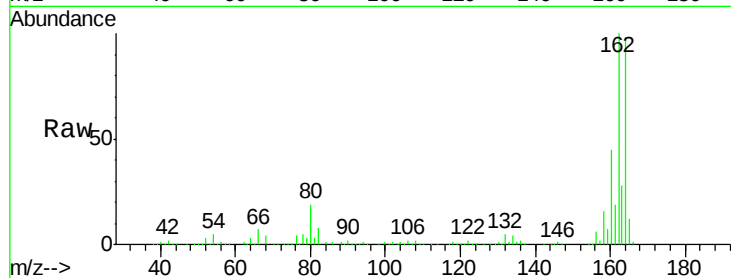




#50
 2,6-Dinitrotoluene
 Concen: 7.89 ng
 RT: 10.00 min Scan# 675
 Delta R.T. 0.19 min
 Lab File: BF085272.D
 Acq: 8 Mar 2016 23:03

Instrument :
 BNA_F
 ClientSampled :
 LAR-9899-B

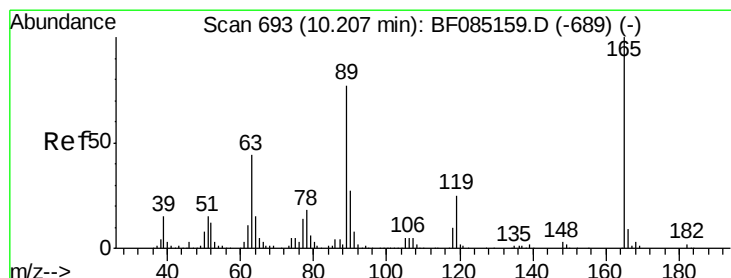
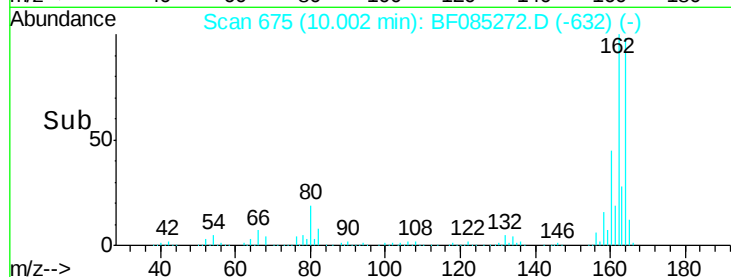
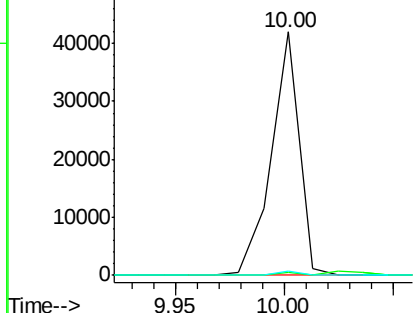
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.8	62.8#
89	1.6	46.7	70.1#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 10.00 min Scan# 675
 Delta R.T. -0.21 min
 Lab File: BF085272.D
 Acq: 8 Mar 2016 23:03

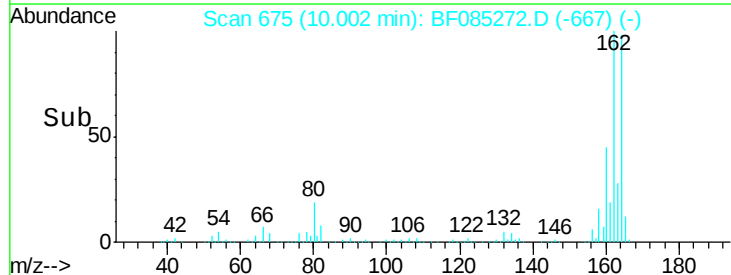
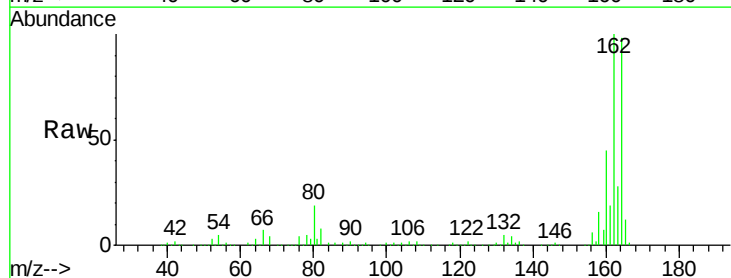
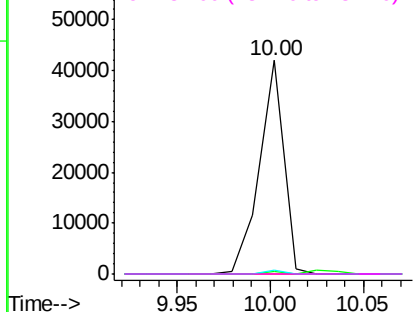
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	35.4	53.0#
89	1.6	61.9	92.9#
182	0.0	1.9	2.9#

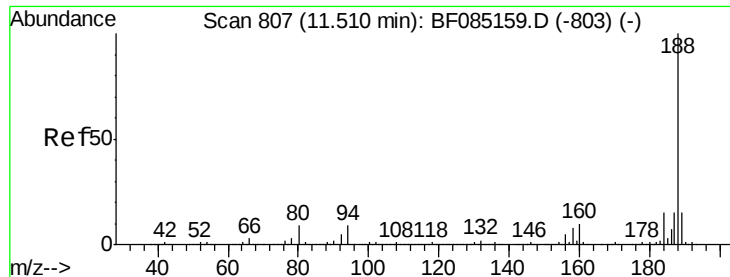
Abundance Ion 165.00 (164.70 to 165.70): E

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

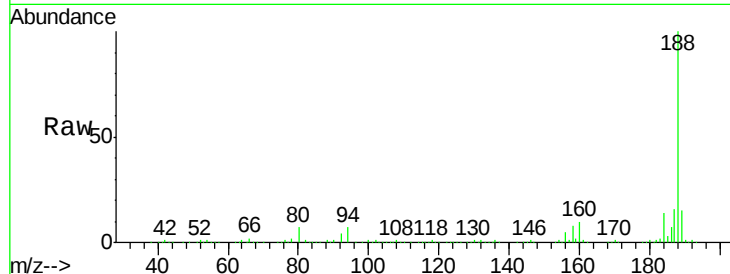




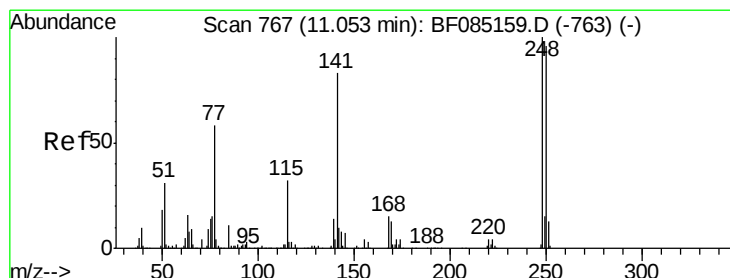
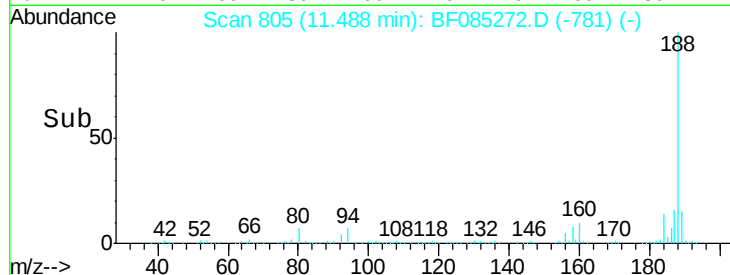
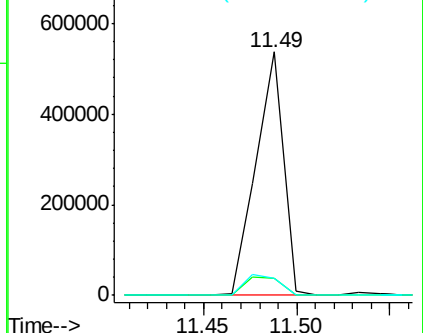
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF085272.D
Acq: 8 Mar 2016 23:03

Instrument :
BNA_F
ClientSampleId :
LAR-9899-B

Tgt Ion:188 Resp: 547368
Ion Ratio Lower Upper
188 100
94 7.1 7.0 10.6
80 7.0 7.4 11.0#

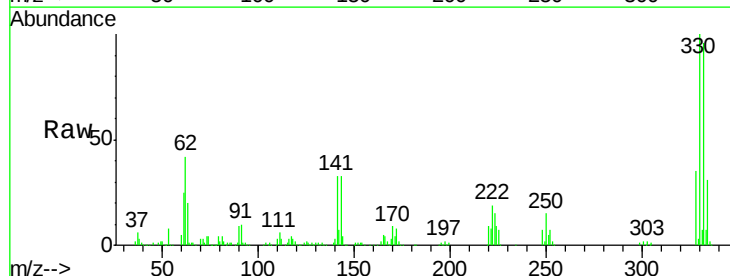


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

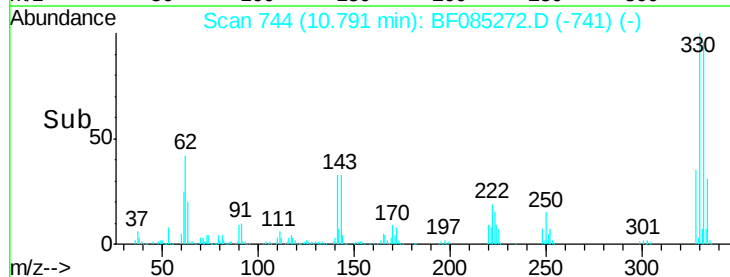
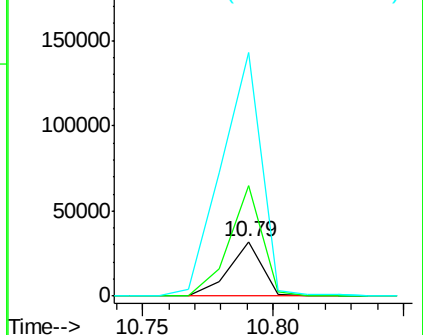


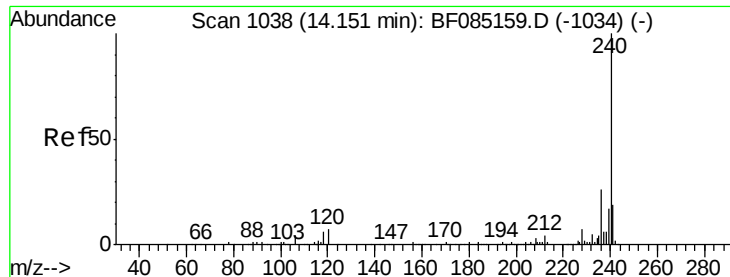
#66
4-Bromophenyl-phenylether
Concen: 5.35 ng
RT: 10.79 min Scan# 744
Delta R.T. -0.26 min
Lab File: BF085272.D
Acq: 8 Mar 2016 23:03

Tgt Ion:248 Resp: 28458
Ion Ratio Lower Upper
248 100
250 203.5 77.1 115.7#
141 449.2 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.12 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

Instrument :

BNA_F

ClientSampleId :

LAR-9899-B

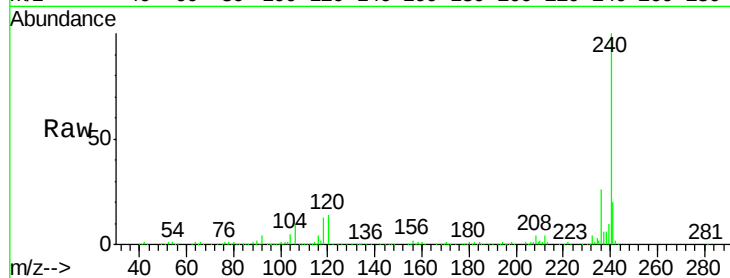
Tgt Ion:240 Resp: 380698

Ion Ratio Lower Upper

240 100

120 14.3 5.3 7.9#

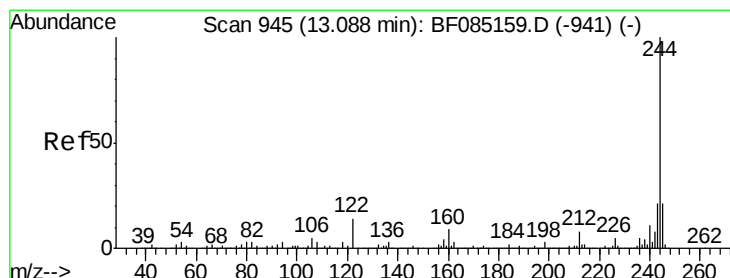
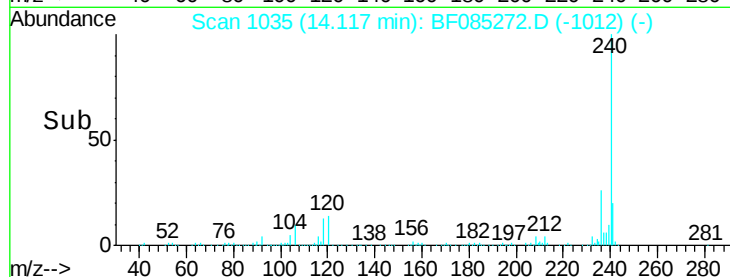
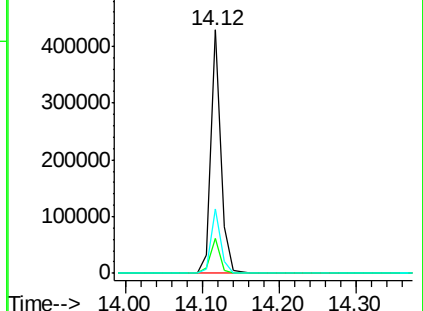
236 26.5 20.7 31.1



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



#78

Terphenyl-d14

Concen: 110.84 ng

RT: 13.08 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF085272.D

Acq: 8 Mar 2016 23:03

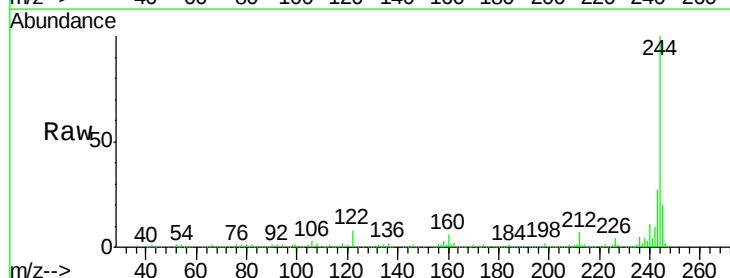
Tgt Ion:244 Resp: 1817654

Ion Ratio Lower Upper

244 100

212 7.0 6.4 9.6

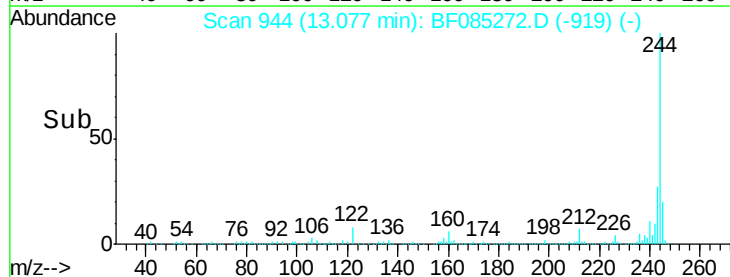
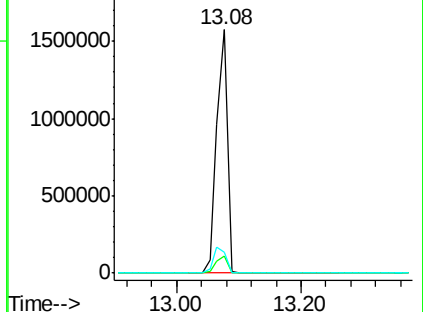
122 8.5 11.4 17.2#

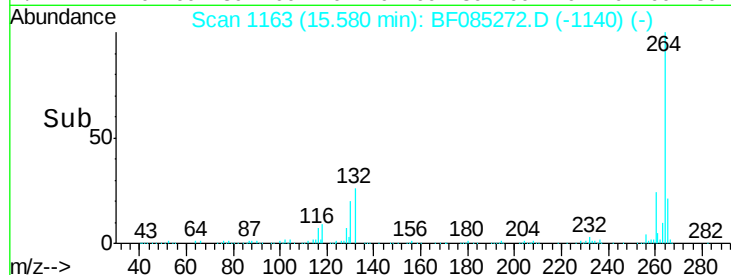
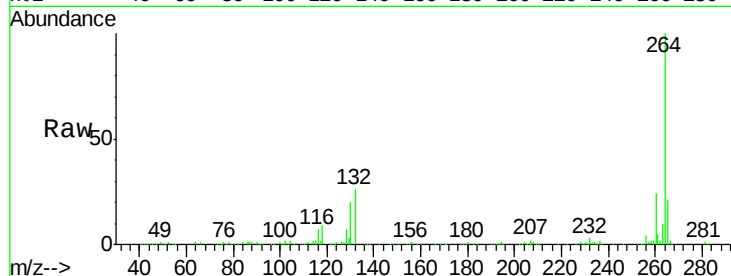
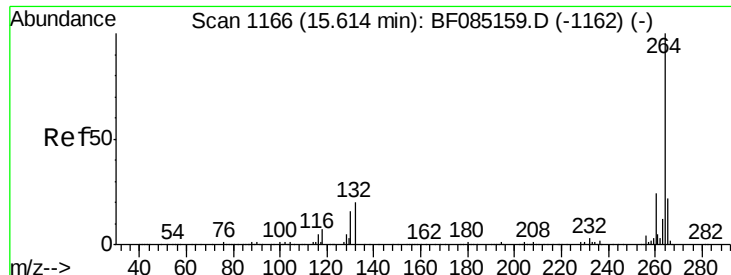


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.58 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF085272.D
Acq: 8 Mar 2016 23:03

Instrument :
BNA_F
ClientSampleId :
LAR-9899-B

Tgt Ion:	264	Resp:	275885
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.0	17.3	25.9

