

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085628.D
 Acq On : 21 Mar 2016 18:06
 Operator : UM/SJ
 Sample : H1816-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9C

Quant Time: Mar 22 00:08:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	118626	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	507229	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	227723	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	450813	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	297043	20.00	ng	-0.02
86) Perylene-d12	15.42	264	210061	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	855472	121.13	ng	0.00
7) Phenol-d6	6.48	99	1122763	123.95	ng	-0.01
23) Nitrobenzene-d5	7.41	82	742858	85.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	326653	146.44	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	1205455	92.28	ng	-0.02
78) Terphenyl-d14	12.95	244	1284327	104.04	ng	-0.01

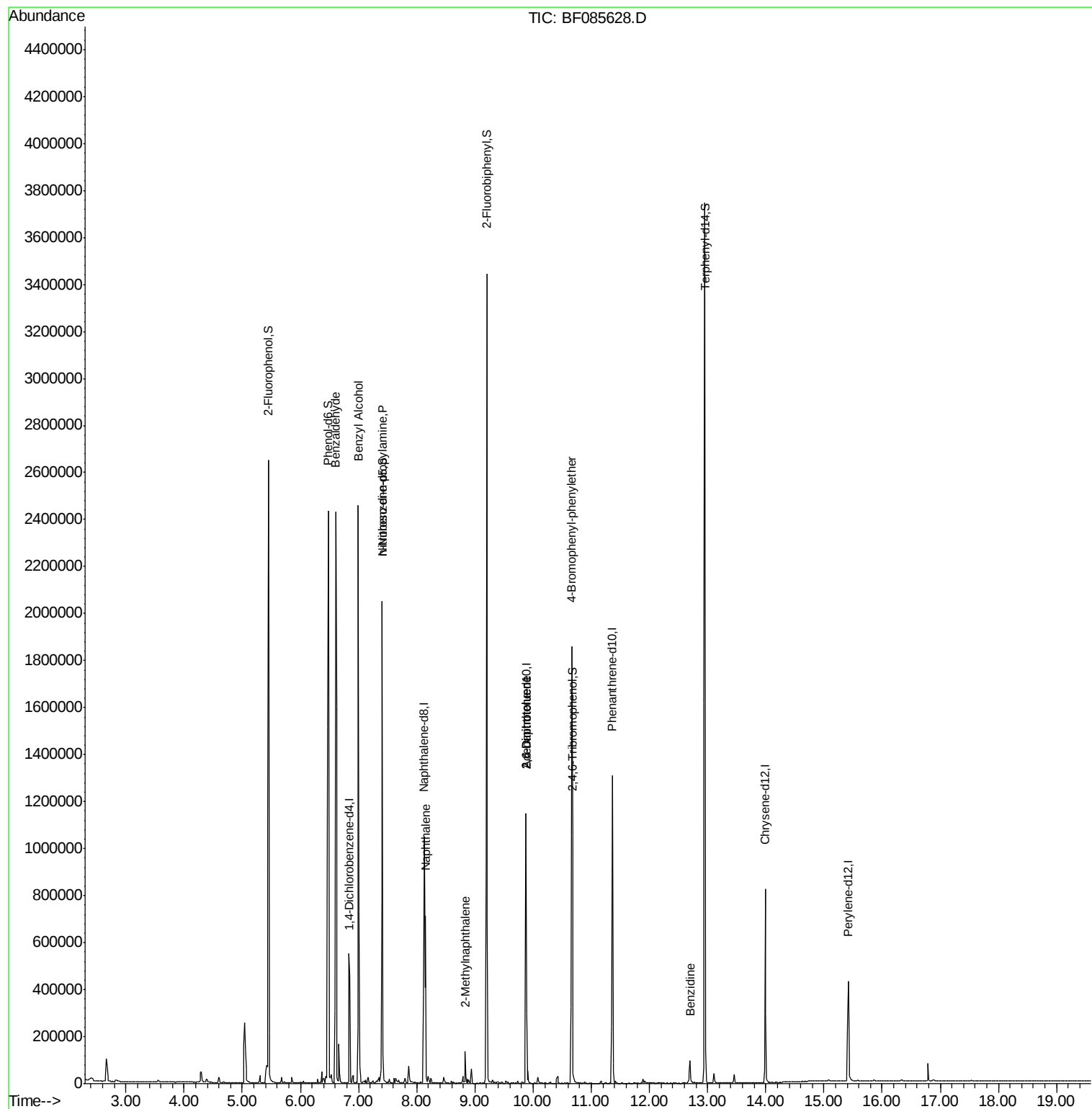
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	19659	2.41	ng	81
15) Benzyl Alcohol	7.00	79	12461	2.01	ng	# 47
19) n-Nitroso-di-n-propylamine	7.41	70	97822	18.08	ng	# 77
31) Naphthalene	8.15	128	387392	15.13	ng	97
37) 2-Methylnaphthalene	8.84	142	37348	2.39	ng	98
50) 2,6-Dinitrotoluene	9.88	165	29318	8.08	ng	# 19
56) 2,4-Dinitrotoluene	9.88	165	29319	6.17	ng	# 37
66) 4-Bromophenyl-phenylether	10.66	248	20038	4.45	ng	# 1
76) Benzidine	12.70	184	49421	4.95	ng	98

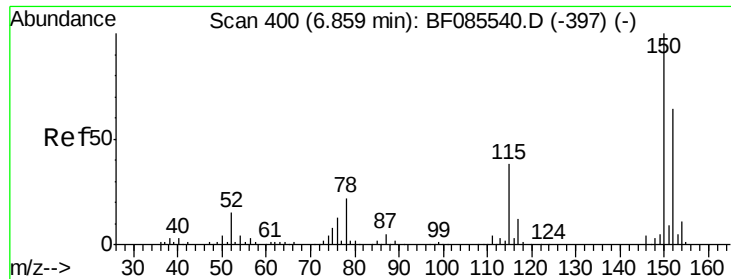
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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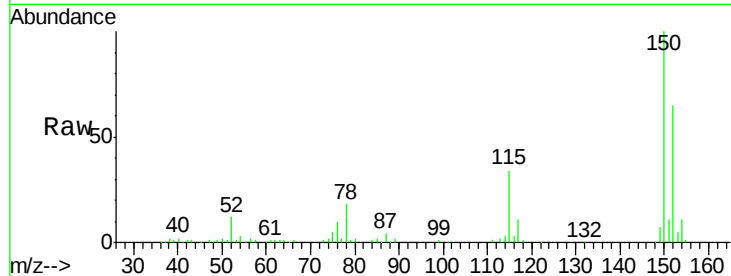




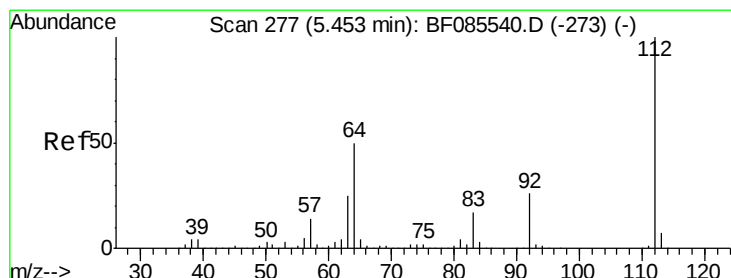
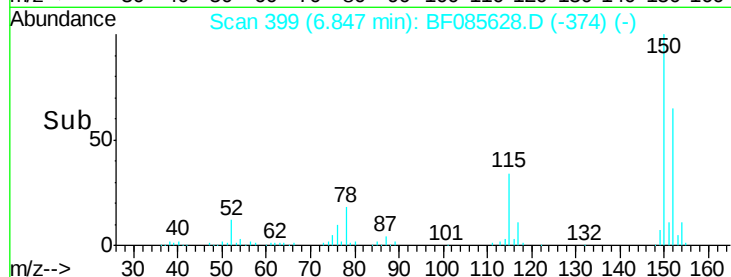
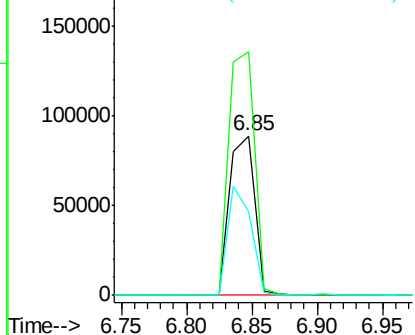
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 399
 Delta R.T. -0.01 min
 Lab File: BF085628.D
 Acq: 21 Mar 2016 18:06

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9C

Tgt Ion:152 Resp: 118626
 Ion Ratio Lower Upper
 152 100
 150 153.0 124.2 186.2
 115 52.2 47.0 70.6

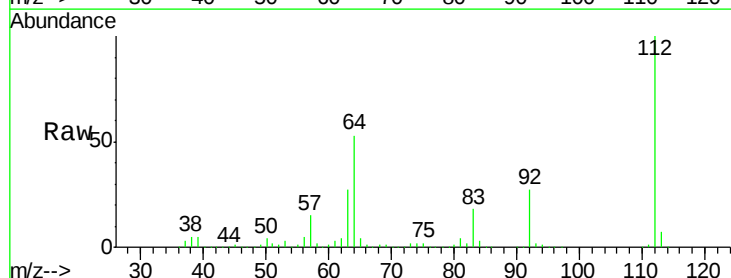


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

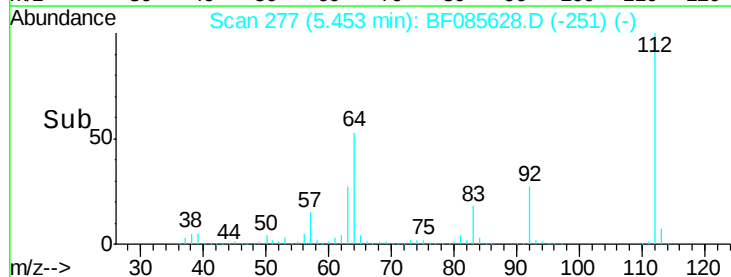
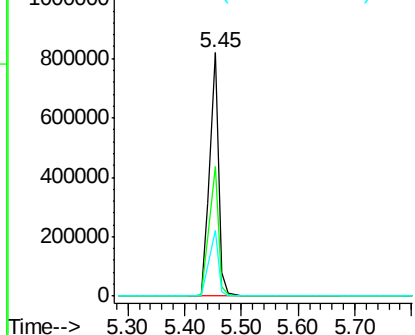


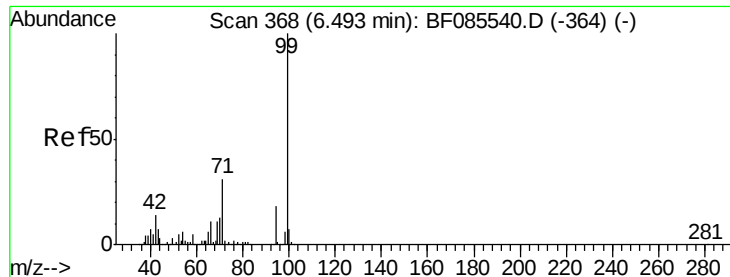
#5
 2-Fluorophenol
 Concen: 121.13 ng
 RT: 5.45 min Scan# 277
 Delta R.T. 0.00 min
 Lab File: BF085628.D
 Acq: 21 Mar 2016 18:06

Tgt Ion:112 Resp: 855472
 Ion Ratio Lower Upper
 112 100
 64 53.2 39.9 59.9
 63 26.8 20.2 30.2



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: 123.95 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9C

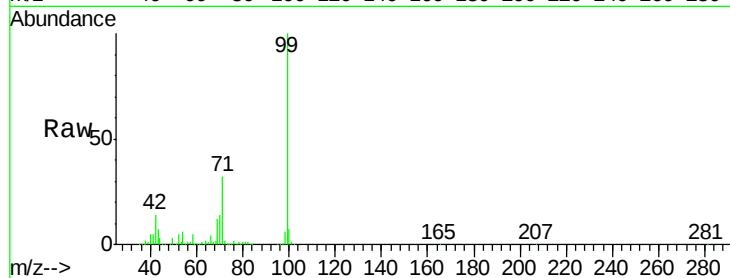
Tgt Ion: 99 Resp: 1122763

Ion Ratio Lower Upper

99 100

42 13.7 11.1 16.7

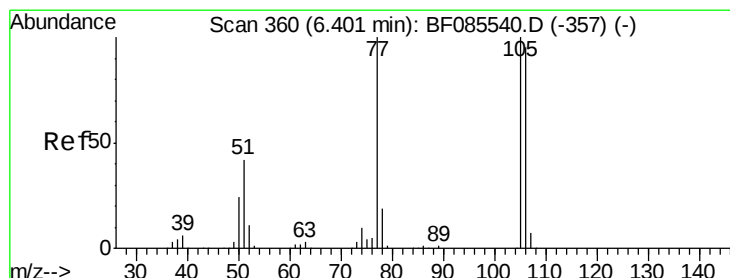
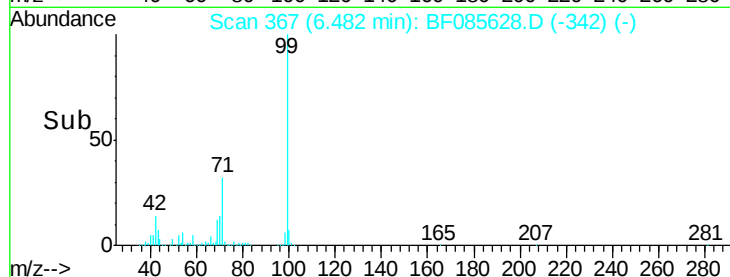
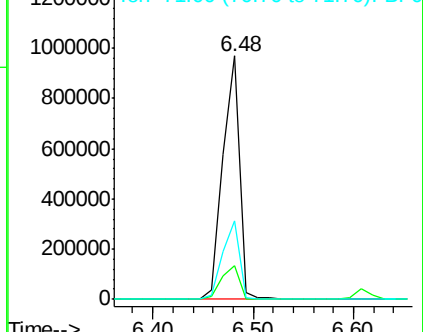
71 32.2 24.9 37.3



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: 6.61 min Scan# 378

Delta R.T. 0.21 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

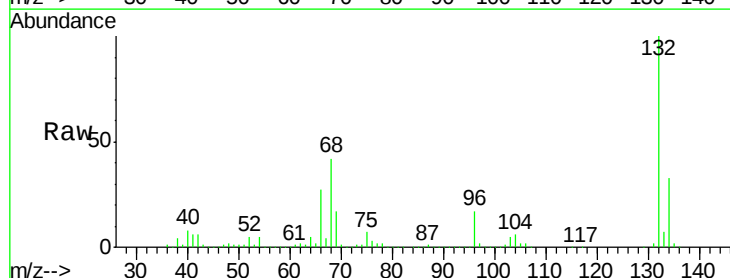
Tgt Ion: 77 Resp: 19659

Ion Ratio Lower Upper

77 100

105 80.9 80.1 120.1

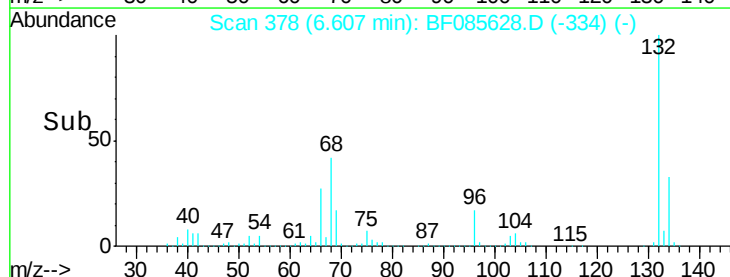
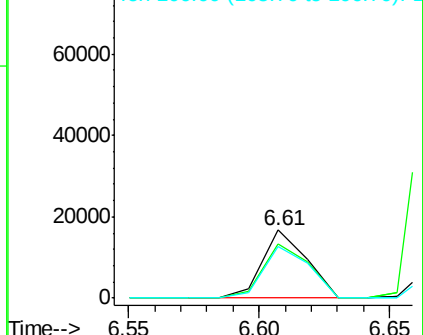
106 75.8 75.0 115.0

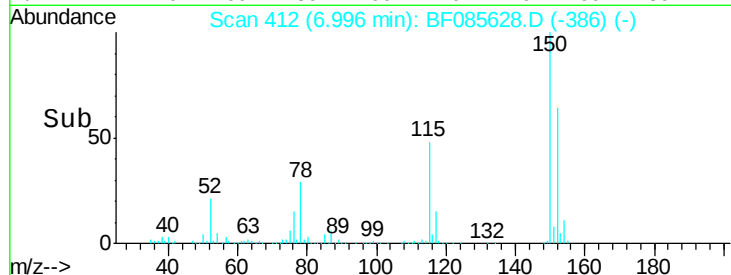
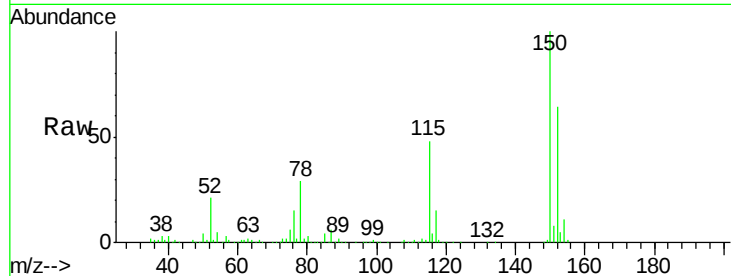
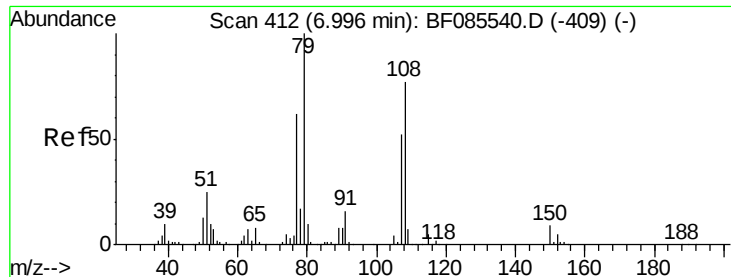


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 7.00 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9C

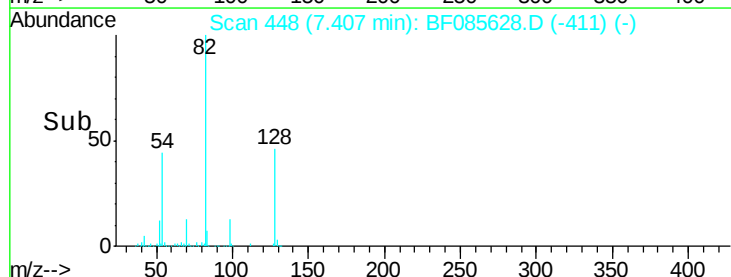
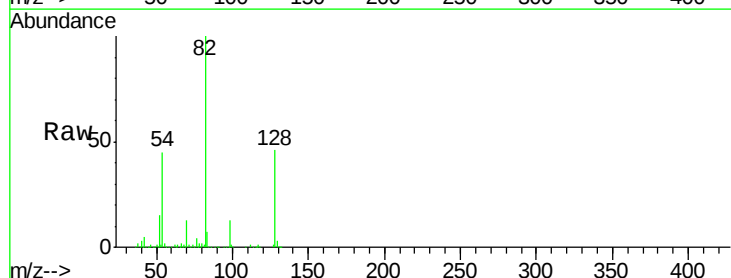
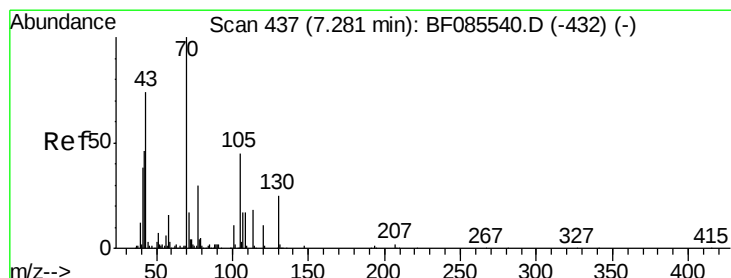
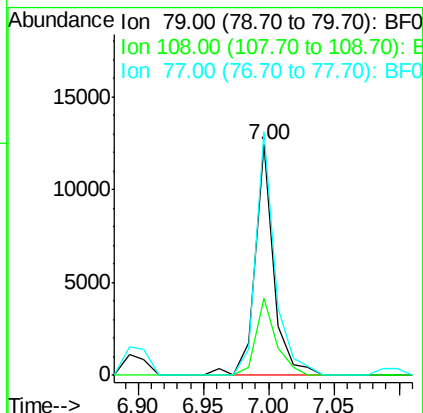
Tgt Ion: 79 Resp: 12461

Ion Ratio Lower Upper

79 100

108 33.6 61.8 92.6#

77 105.6 49.6 74.4#



#19

n-Nitroso-di-n-propylamine

Concen: 18.08 ng

RT: 7.41 min Scan# 448

Delta R.T. 0.13 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

Tgt Ion: 70 Resp: 97822

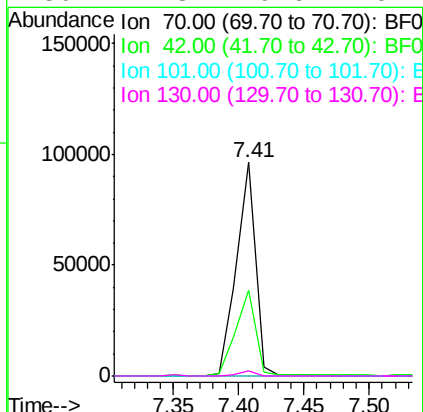
Ion Ratio Lower Upper

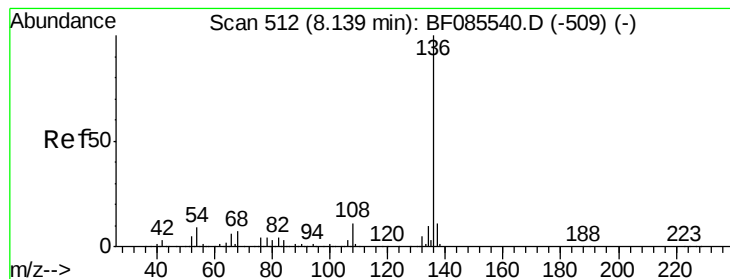
70 100

42 40.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.3 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9C

Tgt Ion: 136 Resp: 507229

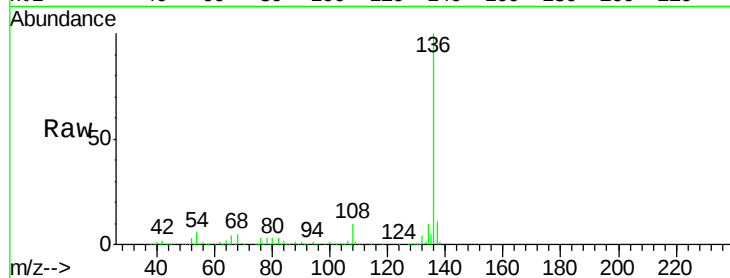
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 5.9 7.4 11.0#

68 5.2 5.8 8.8#

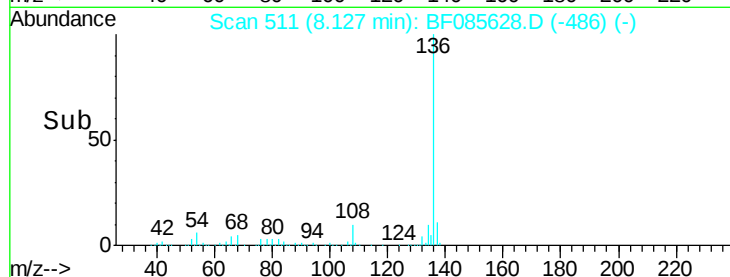


Abundance Ion 136.00 (135.70 to 136.70): E

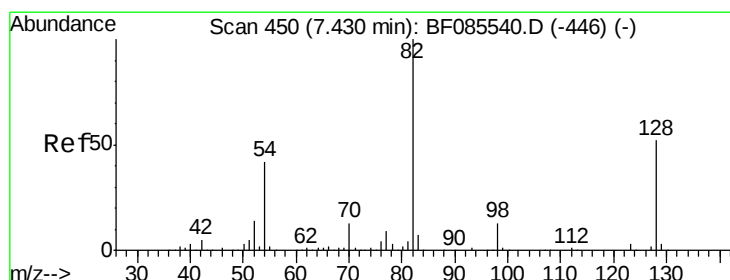
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 85.01 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

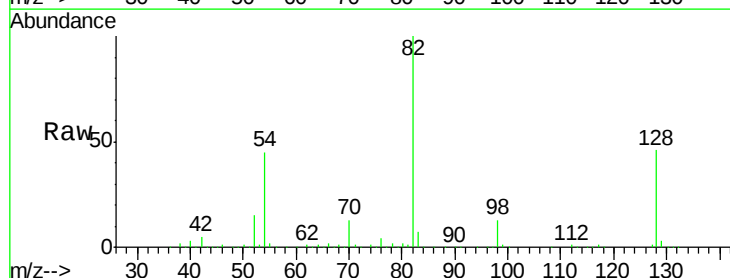
Tgt Ion: 82 Resp: 742858

Ion Ratio Lower Upper

82 100

128 46.2 41.8 62.8

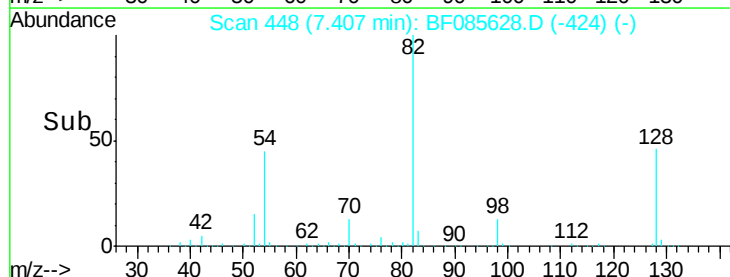
54 45.0 33.4 50.0



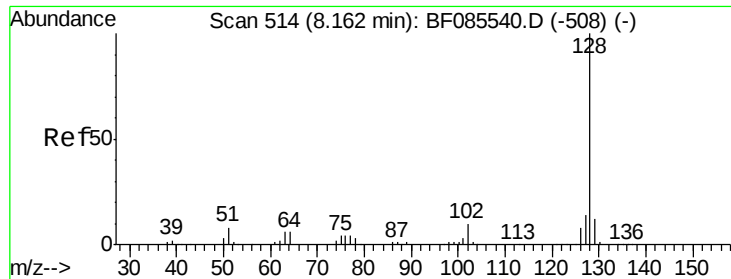
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



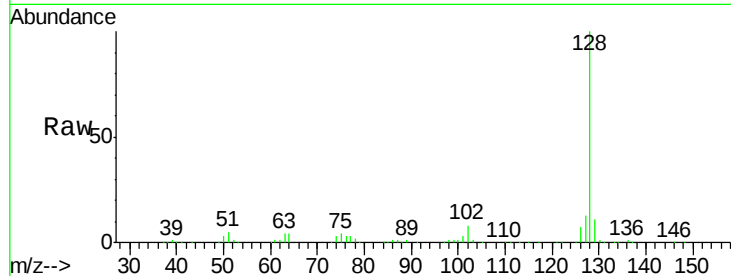
Time-->



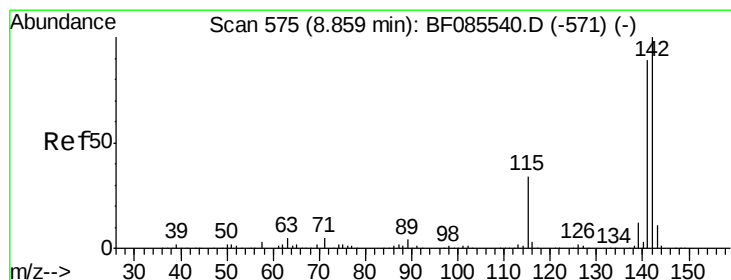
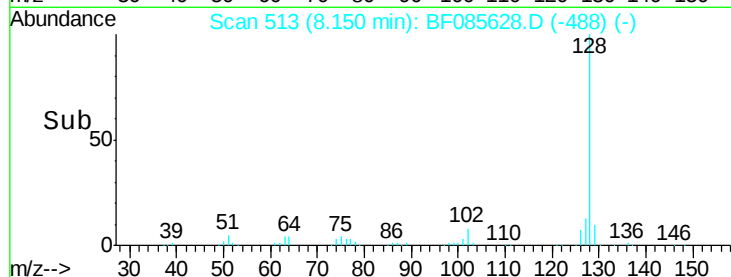
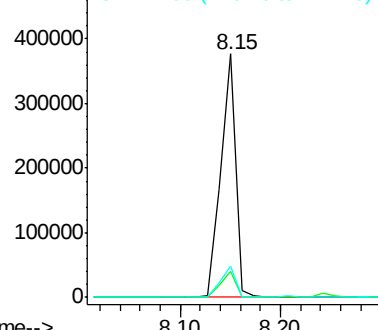
#31
Naphthalene
Concen: 15.13 ng
RT: 8.15 min Scan# 513
Delta R.T. -0.01 min
Lab File: BF085628.D
Acq: 21 Mar 2016 18:06

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-9C

Tgt Ion:128 Resp: 387392
Ion Ratio Lower Upper
128 100
129 10.8 9.4 14.0
127 12.7 11.0 16.6

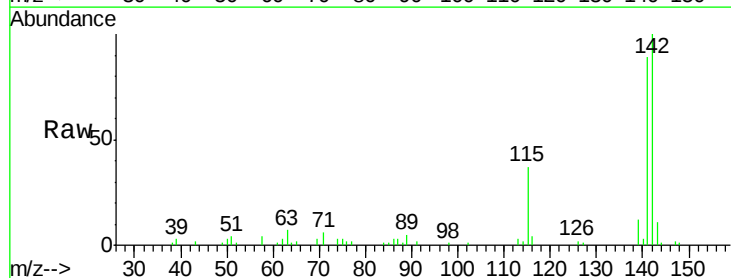


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

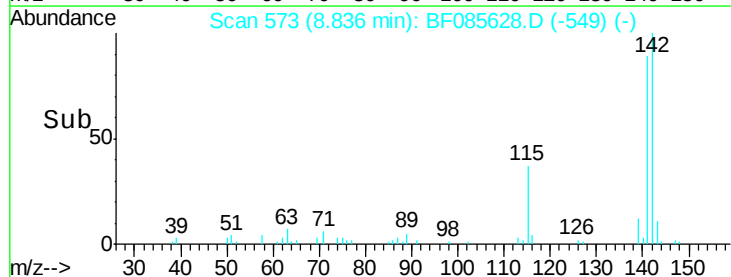
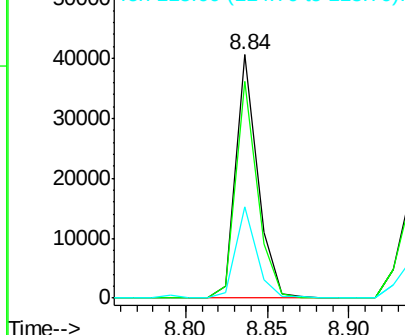


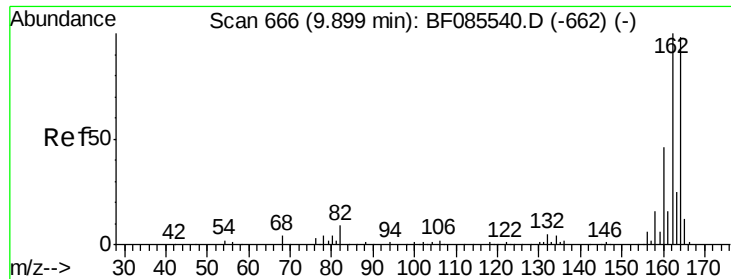
#37
2-Methylnaphthalene
Concen: 2.39 ng
RT: 8.84 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF085628.D
Acq: 21 Mar 2016 18:06

Tgt Ion:142 Resp: 37348
Ion Ratio Lower Upper
142 100
141 88.8 71.6 107.4
115 37.5 26.8 40.2



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

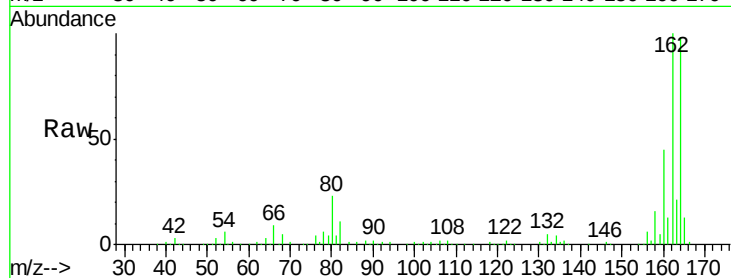




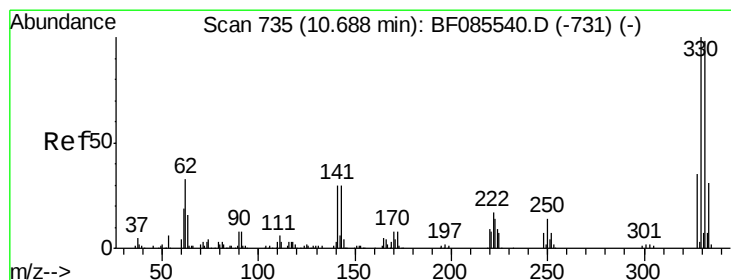
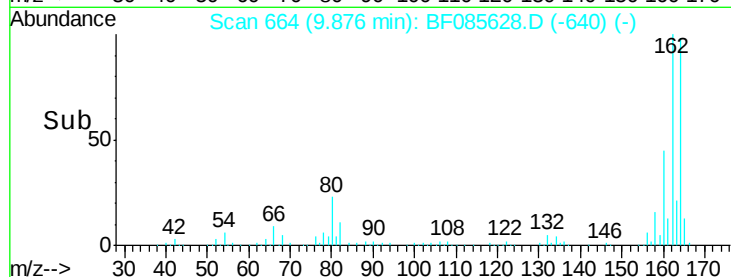
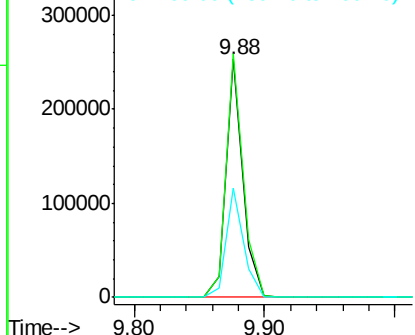
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.02 min
 Lab File: BF085628.D
 Acq: 21 Mar 2016 18:06

Instrument :
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 TRACK-D-GRID-9C

Tgt Ion:164 Resp: 227723
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.1 123.1
 160 46.0 37.4 56.2

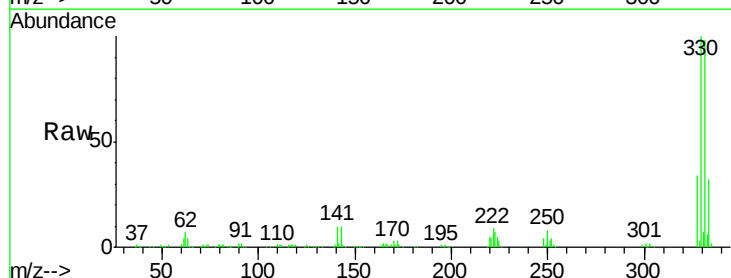


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

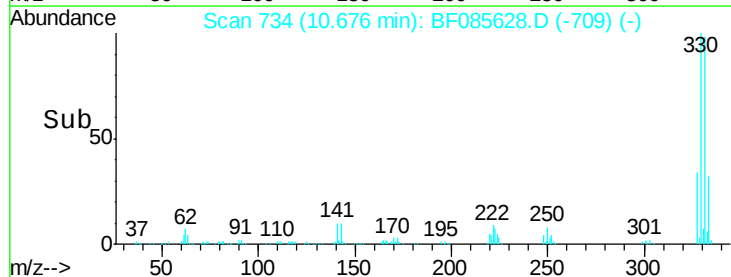
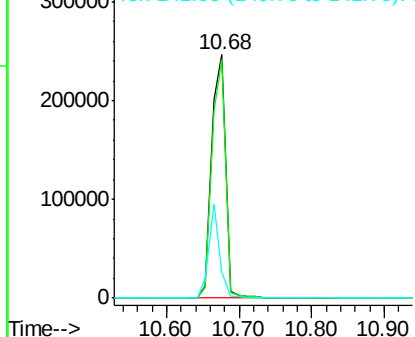


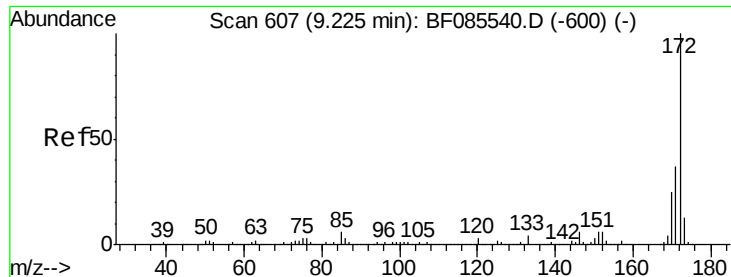
#41
 2,4,6-Tribromophenol
 Concen: 146.44 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF085628.D
 Acq: 21 Mar 2016 18:06

Tgt Ion:330 Resp: 326653
 Ion Ratio Lower Upper
 330 100
 332 96.4 78.2 117.2
 141 30.9 31.5 47.3#



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

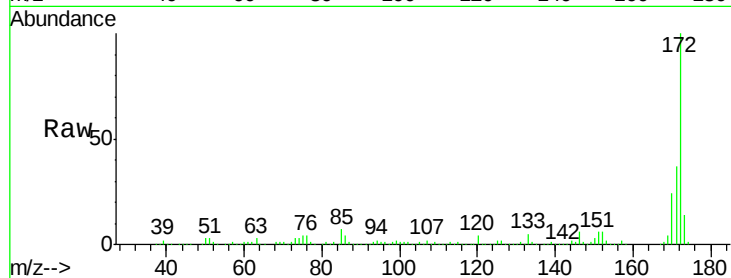




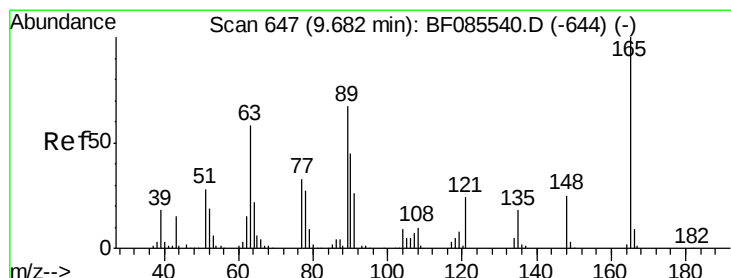
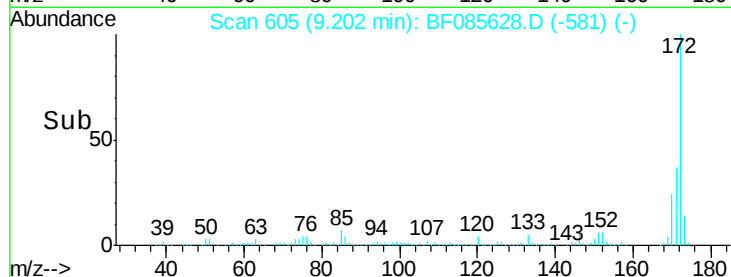
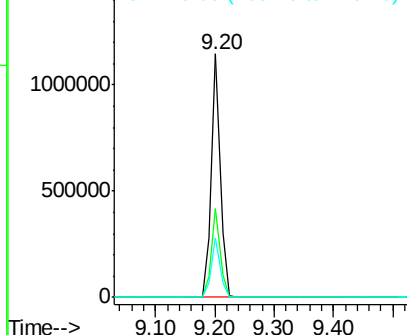
#44
 2-Fluorobiphenyl
 Concen: 92.28 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085628.D
 Acq: 21 Mar 2016 18:06

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9C

Tgt Ion:172 Resp: 1205455
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.2
 170 24.5 19.8 29.6

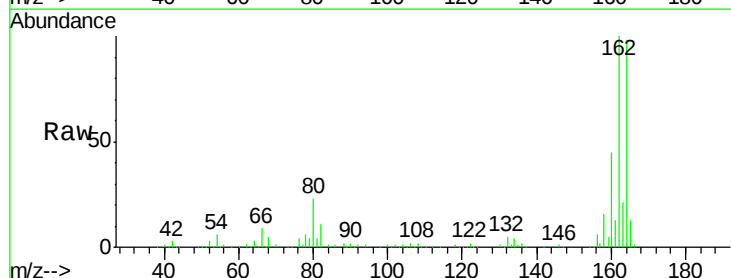


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

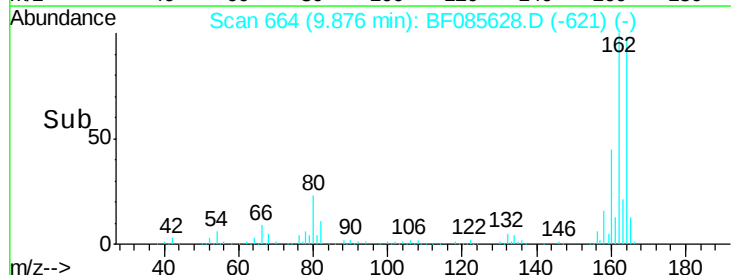
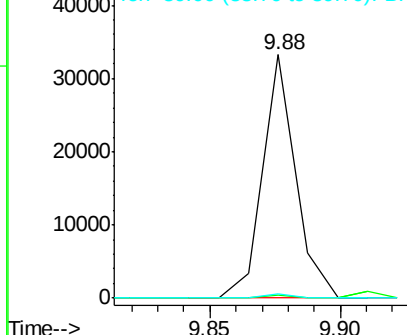


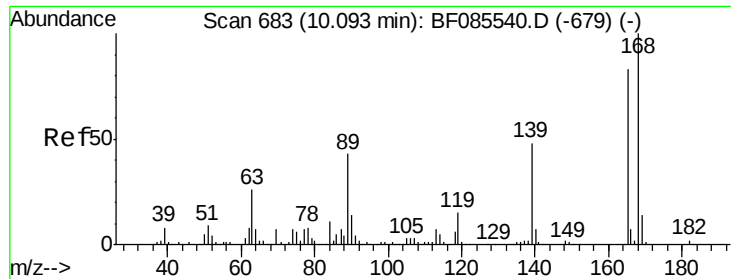
#50
 2,6-Dinitrotoluene
 Concen: 8.08 ng
 RT: 9.88 min Scan# 664
 Delta R.T. 0.19 min
 Lab File: BF085628.D
 Acq: 21 Mar 2016 18:06

Tgt Ion:165 Resp: 29318
 Ion Ratio Lower Upper
 165 100
 63 1.3 51.8 77.8#
 89 1.7 53.7 80.5#



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

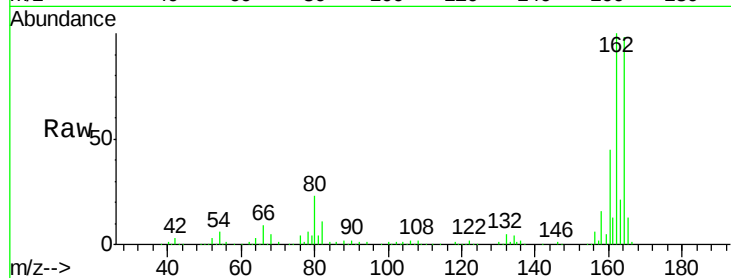




#56
 2,4-Dinitrotoluene
 Concen: 6.17 ng
 RT: 9.88 min Scan# 664
 Delta R.T. -0.22 min
 Lab File: BF085628.D
 Acq: 21 Mar 2016 18:06

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-9C

Tgt Ion:	165	Resp:	29319
Ion	Ratio	Lower	Upper
165	100		
63	1.3	24.9	37.3#
89	1.7	41.0	61.6#
182	0.0	2.1	3.1#

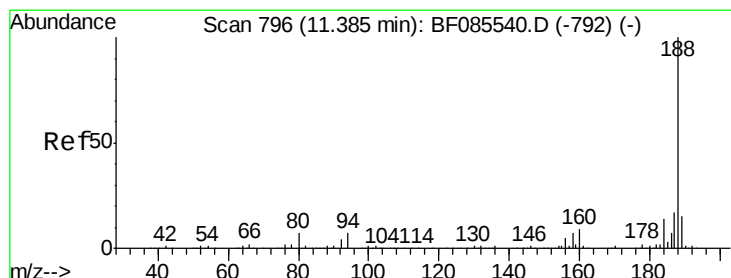
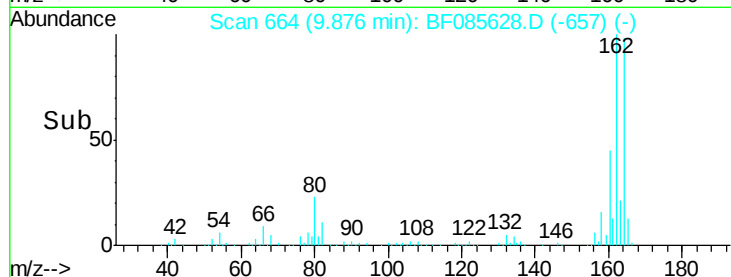
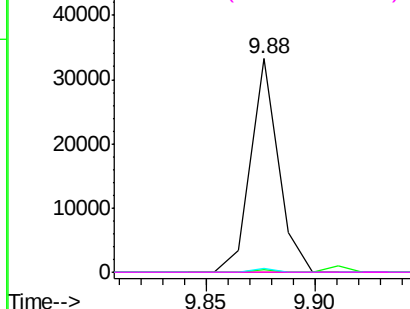


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

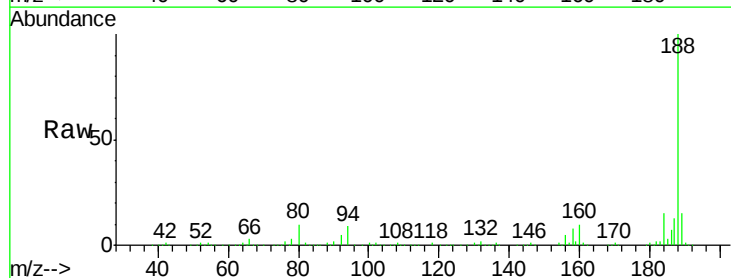
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 794
 Delta R.T. -0.02 min
 Lab File: BF085628.D
 Acq: 21 Mar 2016 18:06

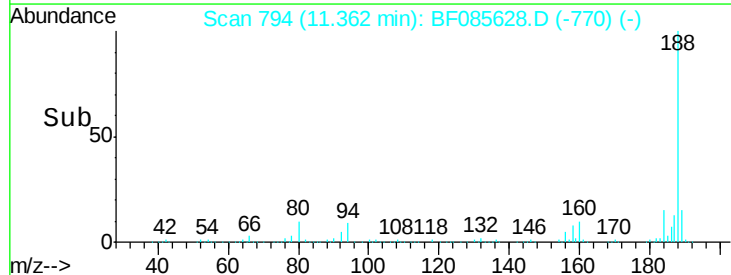
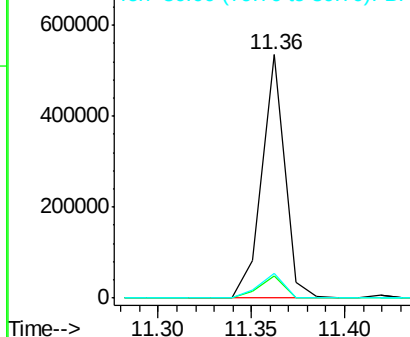
Tgt Ion:	188	Resp:	450813
Ion	Ratio	Lower	Upper
188	100		
94	9.3	5.4	8.0#
80	9.9	5.5	8.3#

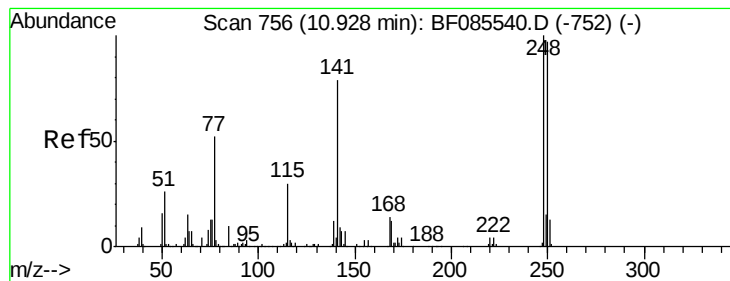


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#66

4-Bromophenyl-phenylether

Concen: 4.45 ng

RT: 10.66 min Scan# 733

Delta R.T. -0.26 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9C

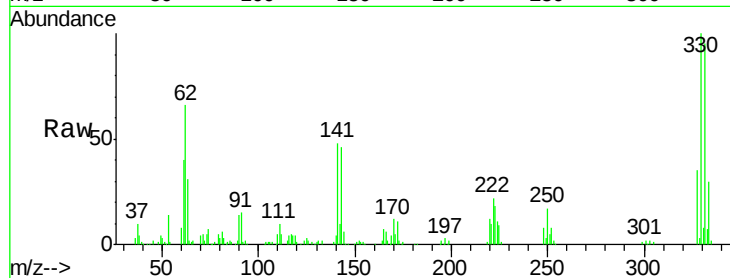
Tgt Ion:248 Resp: 20038

Ion Ratio Lower Upper

248 100

250 201.7 77.4 116.0#

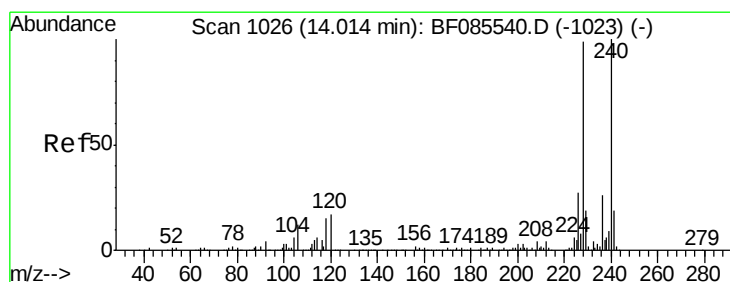
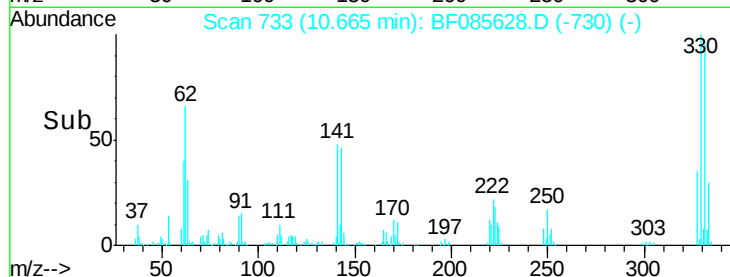
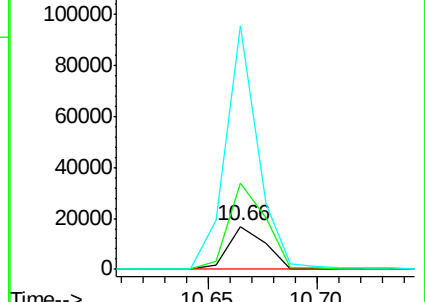
141 571.1 63.6 95.4#



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: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

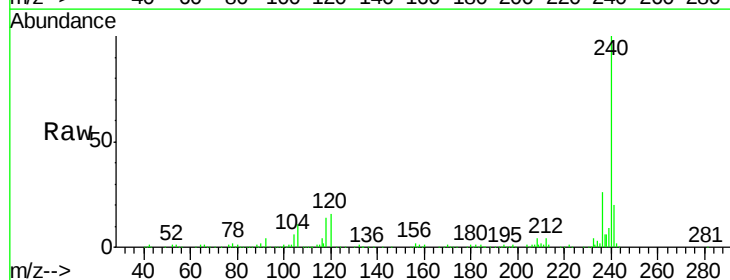
Tgt Ion:240 Resp: 297043

Ion Ratio Lower Upper

240 100

120 16.3 13.8 20.8

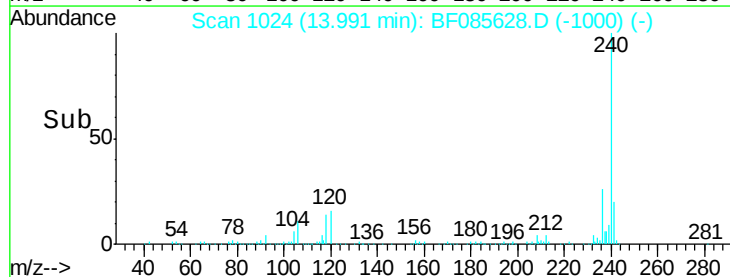
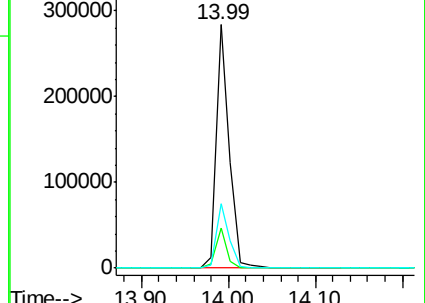
236 26.2 20.6 30.8

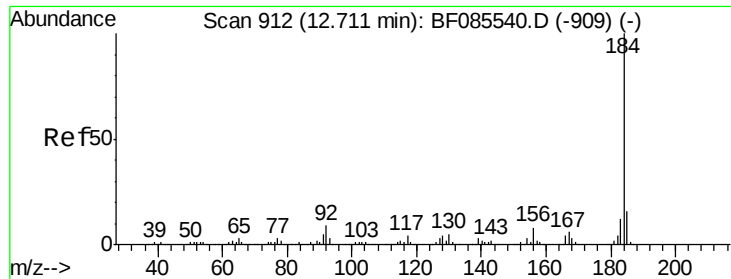


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 4.95 ng

RT: 12.70 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9C

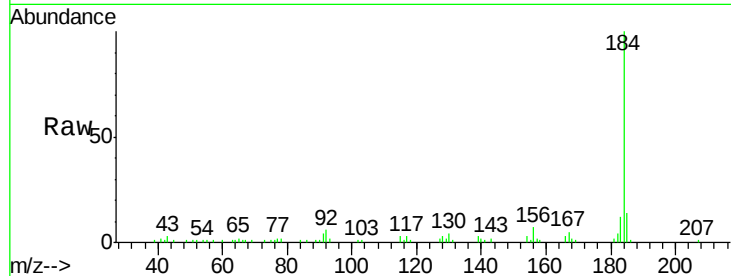
Tgt Ion:184 Resp: 49421

Ion Ratio Lower Upper

184 100

185 14.3 12.4 18.6

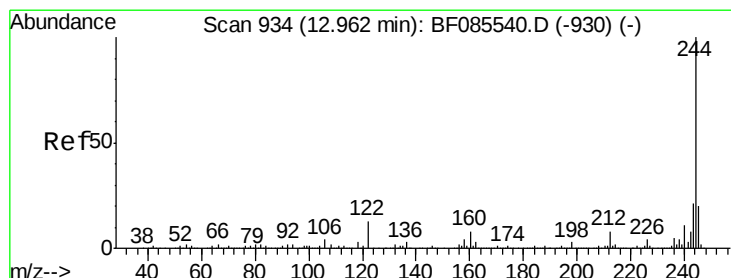
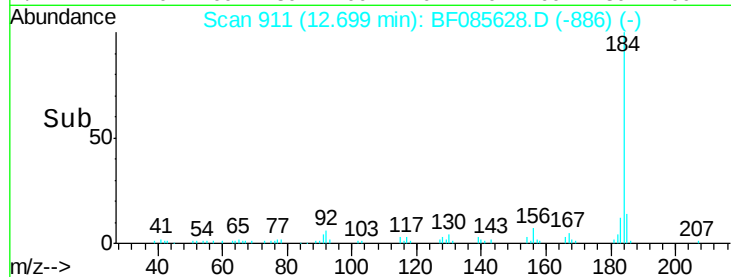
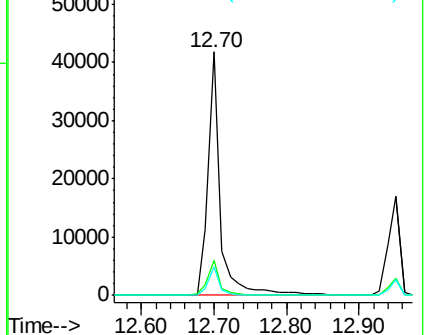
183 11.5 9.4 14.2



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



#78

Terphenyl-d14

Concen: 104.04 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

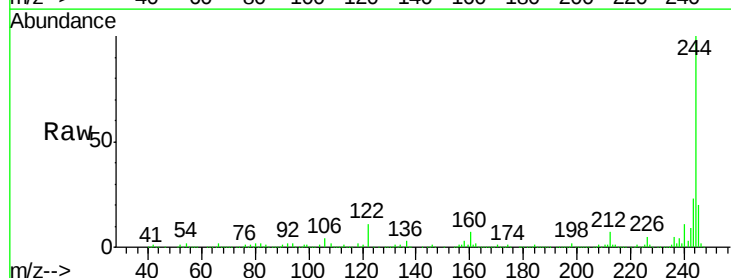
Tgt Ion:244 Resp: 1284327

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

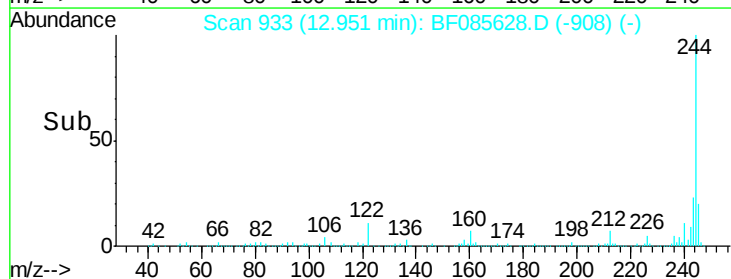
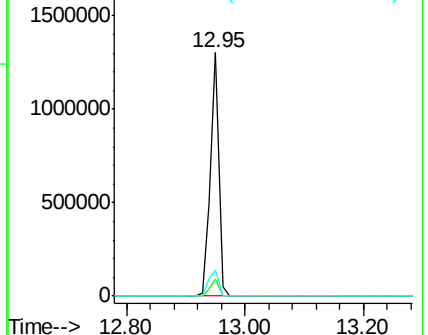
122 10.5 10.2 15.4

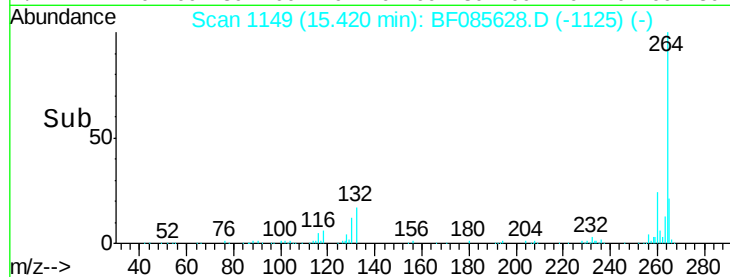
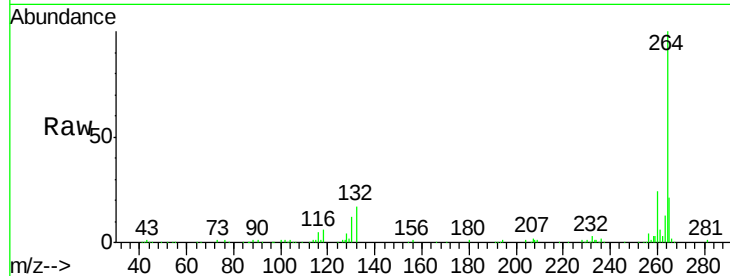
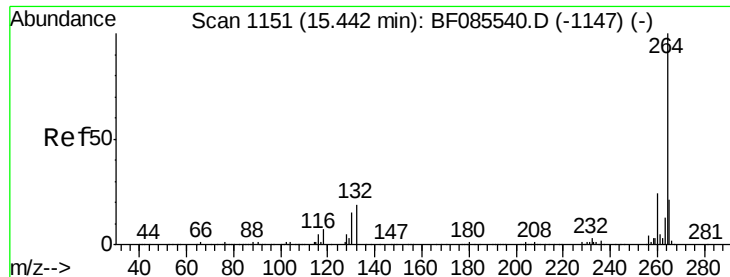


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.42 min Scan# 1149

Delta R.T. -0.02 min

Lab File: BF085628.D

Acq: 21 Mar 2016 18:06

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-9C

Tgt Ion:264 Resp: 210061

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.2 17.2 25.8

