

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052016\
 Data File : BF087272.D
 Acq On : 21 May 2016 14:55
 Operator : UM/SJ
 Sample : H3212-01
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VE4-11

Quant Time: May 23 01:00:16 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

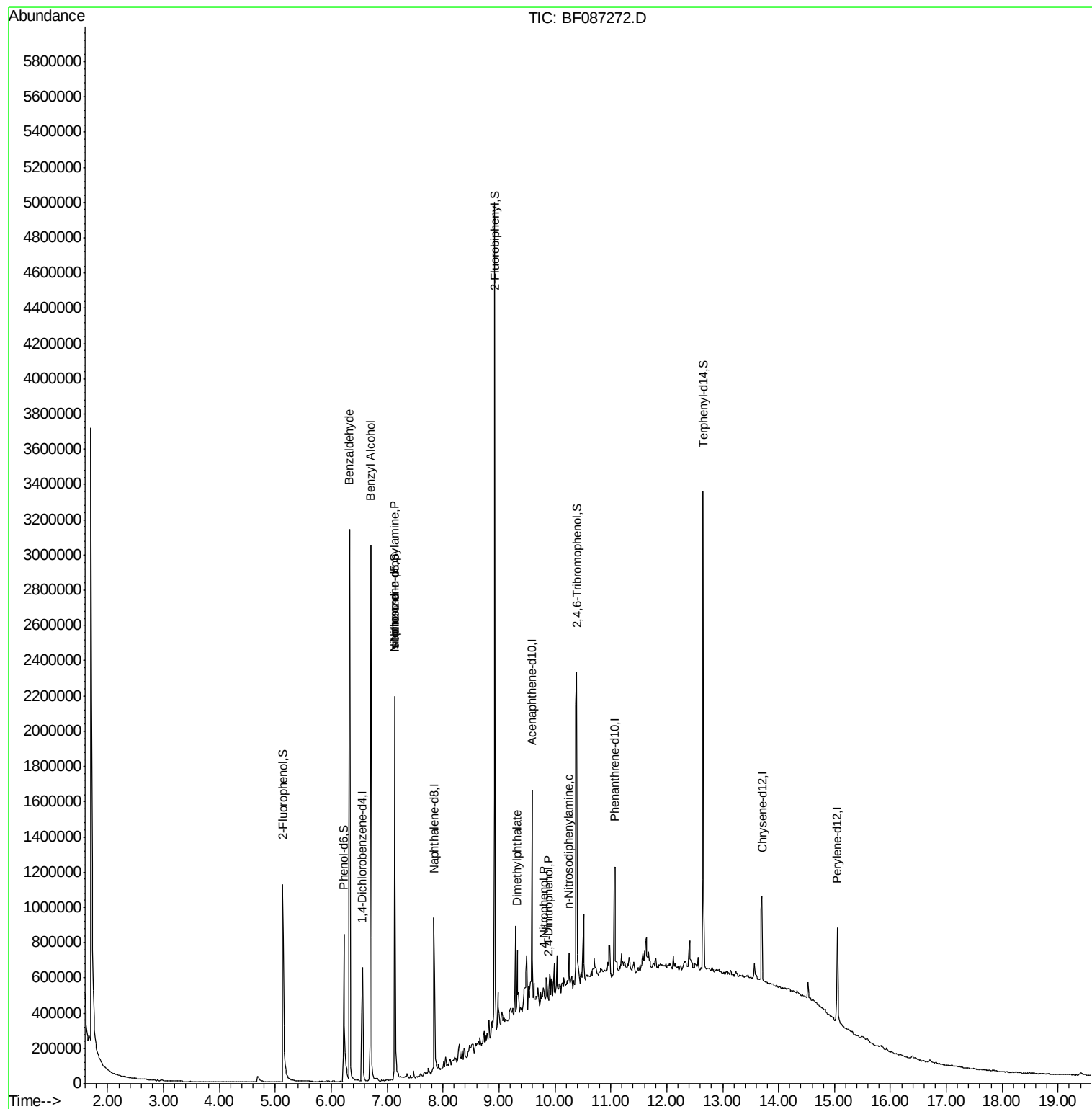
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	119356	20.00	ng	-0.05
21) Naphthalene-d8	7.84	136	481643	20.00	ng	-0.06
38) Acenaphthene-d10	9.59	164	209563	20.00	ng	-0.06
63) Phenanthrene-d10	11.07	188	332008	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	233976	20.00	ng	-0.06
86) Perylene-d12	15.05	264	224422	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	477014	67.18	ng	-0.07
7) Phenol-d6	6.23	99	372799	39.14	ng	-0.06
23) Nitrobenzene-d5	7.13	82	829544	85.84	ng	-0.06
41) 2,4,6-Tribromophenol	10.39	330	311931	134.70	ng	-0.06
44) 2-Fluorobiphenyl	8.92	172	1352806	106.91	ng	-0.06
78) Terphenyl-d14	12.65	244	797913	77.14	ng	-0.06
Target Compounds						Qvalue
9) Benzaldehyde	6.33	77	23260	3.36	ng	# 81
15) Benzyl Alcohol	6.71	79	14751	2.08	ng	# 44
19) n-Nitroso-di-n-propylamine	7.13	70	118130	16.32	ng	# 71
25) Isophorone	7.13	82	800283	45.24	ng	# 68
49) Dimethylphthalate	9.32	163	56885	3.56	ng	# 98
53) 2,4-Dinitrophenol	9.88	184	1210	5.31	ng	# 64
55) 4-Nitrophenol	9.80	139	3036	2.71	ng	# 1
65) n-Nitrosodiphenylamine	10.25	169	23234	2.22	ng	# 39

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

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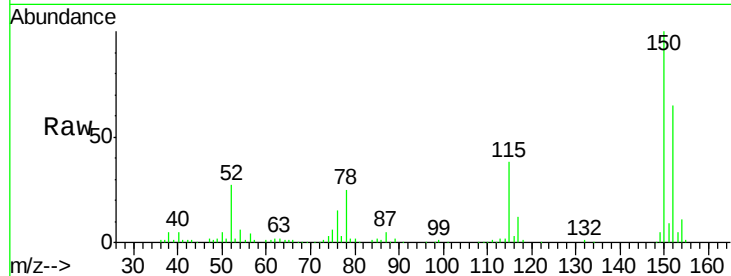


#1

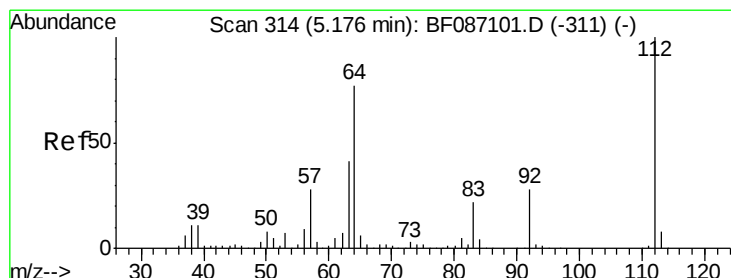
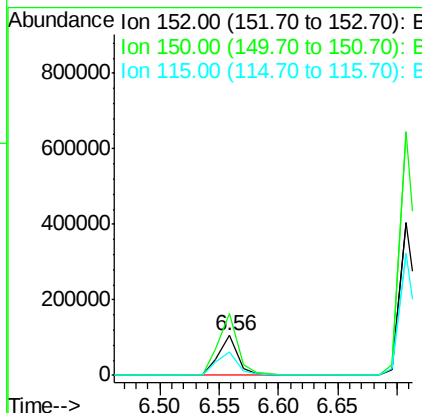
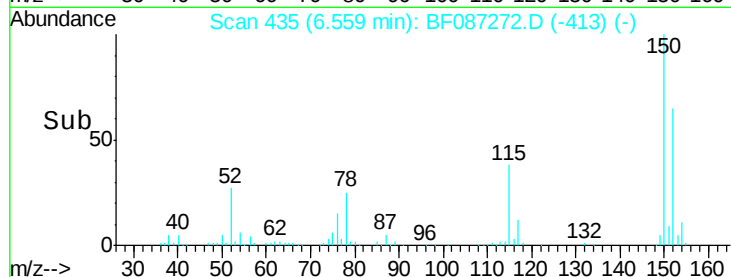
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF087272.D
Acq: 21 May 2016 14:55

Instrument :
BNA_F
ClientSampleId :
VE4-11

Tgt Ion:152 Resp: 119356
Ion Ratio Lower Upper
152 100
150 155.0 125.8 188.6
115 59.2 51.5 77.3



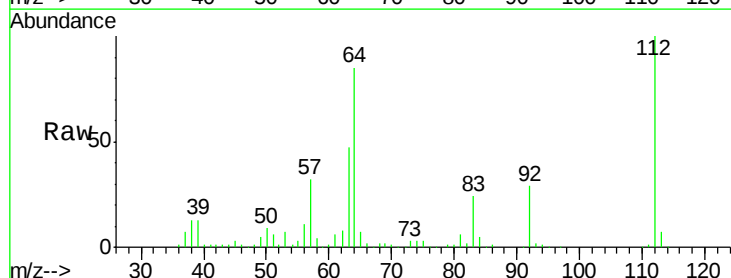
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



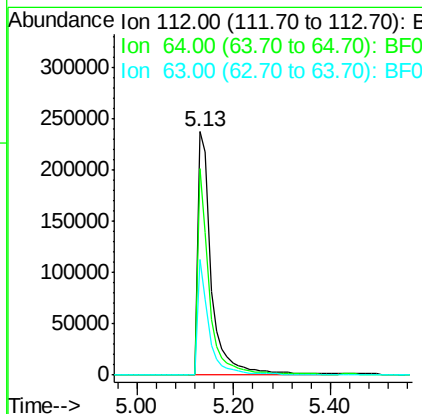
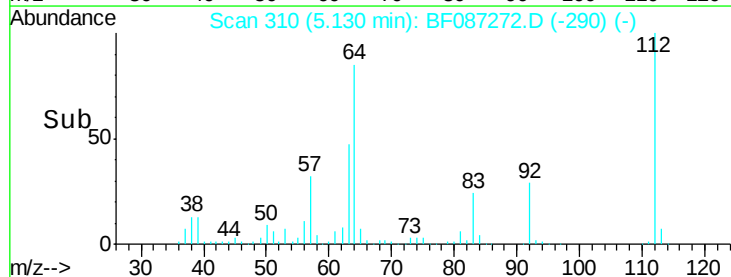
#5

2-Fluorophenol
Concen: 67.18 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.07 min
Lab File: BF087272.D
Acq: 21 May 2016 14:55

Tgt Ion:112 Resp: 477014
Ion Ratio Lower Upper
112 100
64 84.8 52.1 78.1#
63 47.3 25.7 38.5#



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: 39.14 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

Instrument :

BNA_F

ClientSampleId :

VE4-11

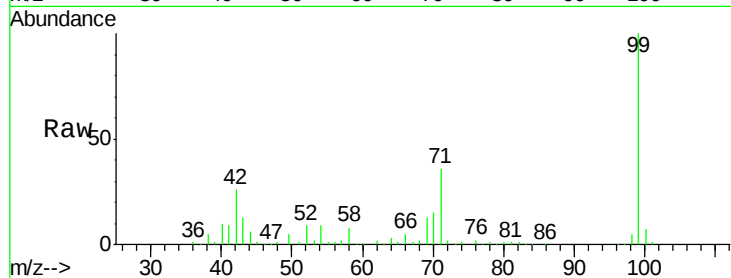
Tgt Ion: 99 Resp: 372799

Ion Ratio Lower Upper

99 100

42 26.3 13.6 20.4#

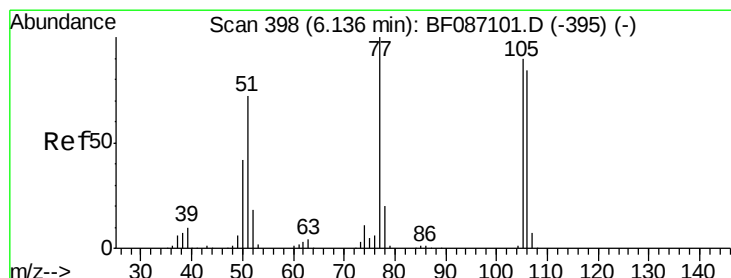
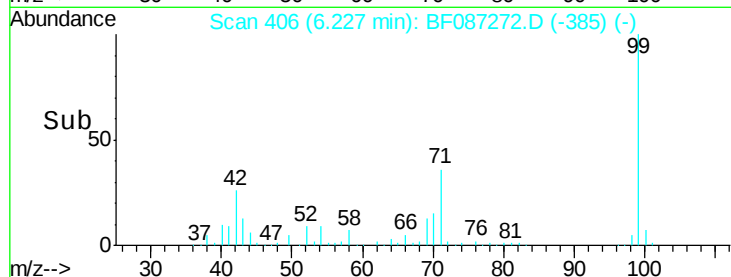
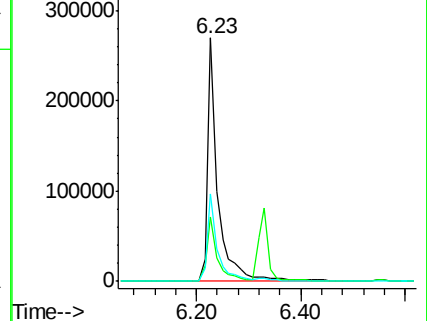
71 36.1 24.6 36.8



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: 3.36 ng

RT: 6.33 min Scan# 415

Delta R.T. 0.18 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

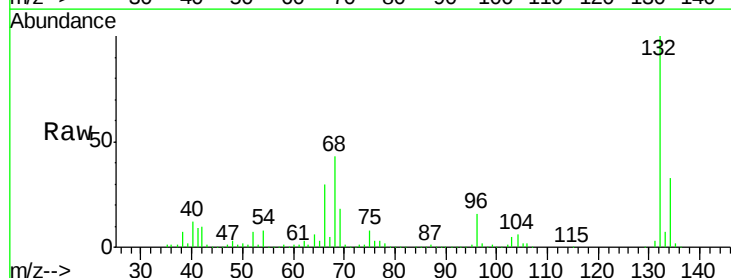
Tgt Ion: 77 Resp: 23260

Ion Ratio Lower Upper

77 100

105 77.9 72.7 112.7

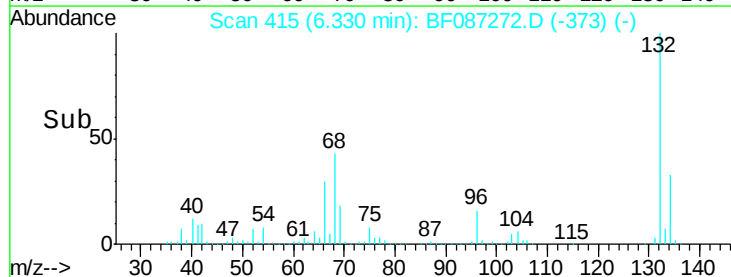
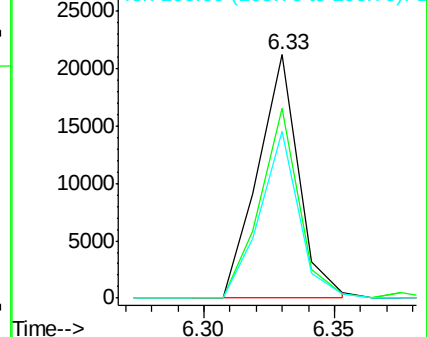
106 68.7 70.8 110.8#

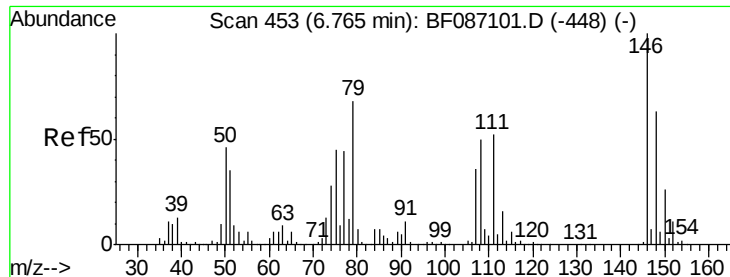


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.07 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

Instrument :

BNA_F

ClientSampleId :

VE4-11

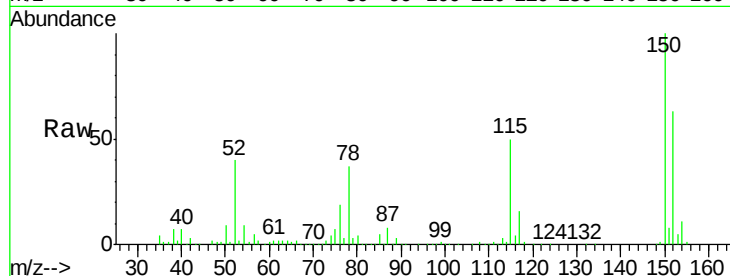
Tgt Ion: 79 Resp: 14751

Ion Ratio Lower Upper

79 100

108 29.5 68.4 102.6#

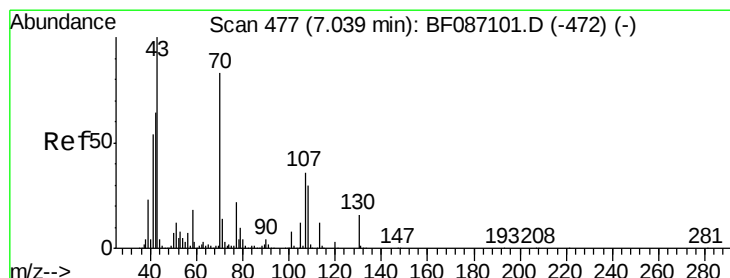
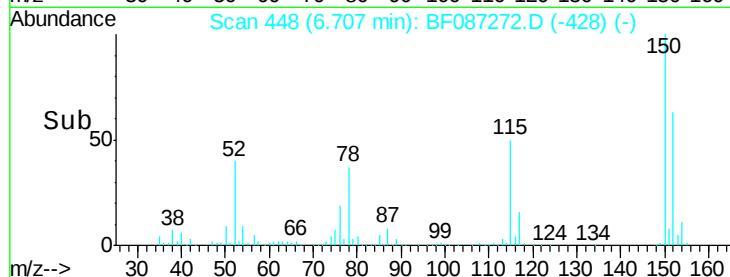
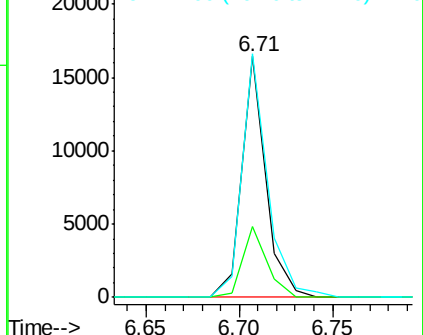
77 101.1 50.6 76.0#



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: 16.32 ng

RT: 7.13 min Scan# 485

Delta R.T. 0.08 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

Tgt Ion: 70 Resp: 118130

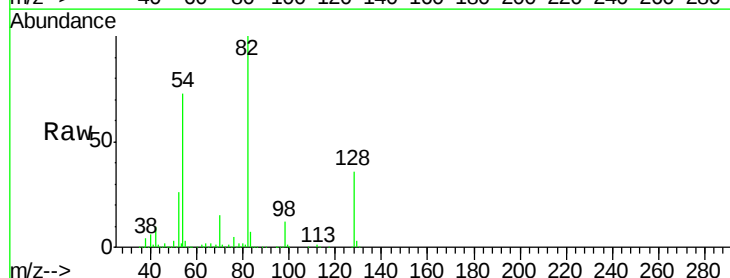
Ion Ratio Lower Upper

70 100

42 69.6 43.1 64.7#

101 0.0 8.1 12.1#

130 1.5 18.6 28.0#

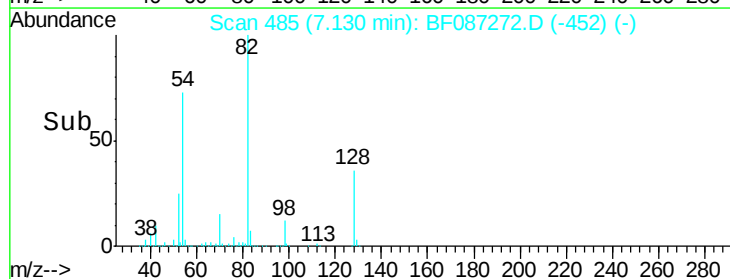
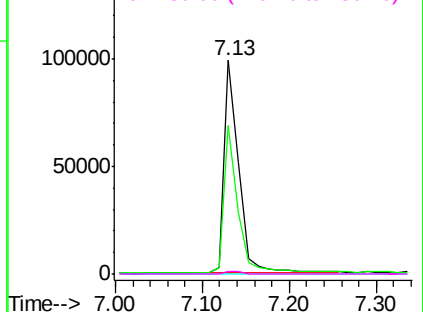


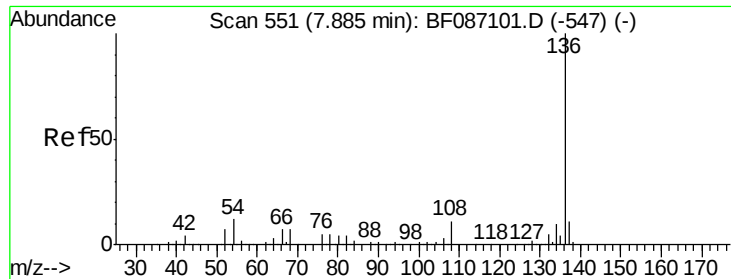
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. -0.06 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

Instrument :

BNA_F

ClientSampleId :

VE4-11

Tgt Ion:136 Resp: 481643

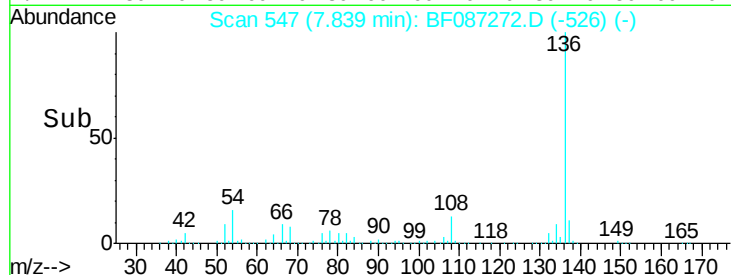
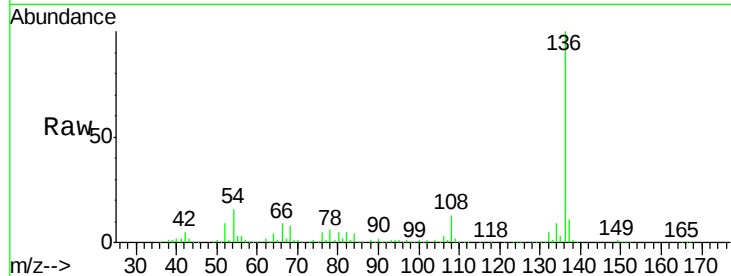
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 16.0 5.0 7.4#

68 7.8 4.4 6.6#

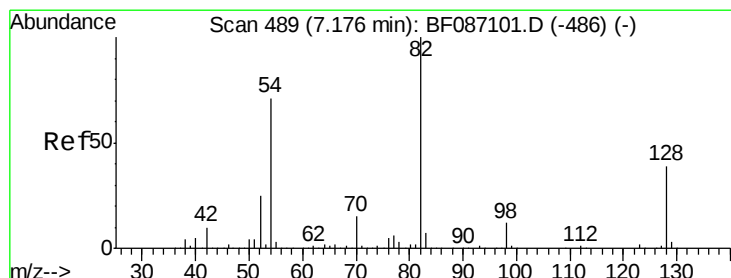
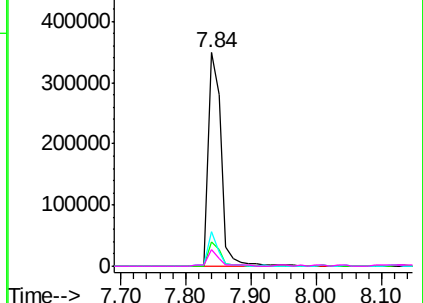


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 85.84 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.06 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

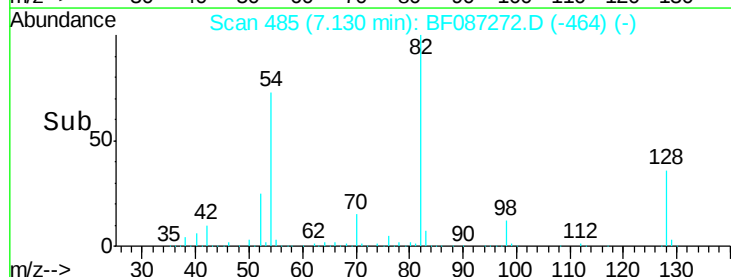
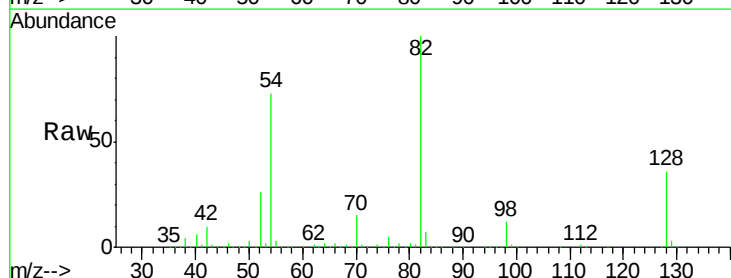
Tgt Ion: 82 Resp: 829544

Ion Ratio Lower Upper

82 100

128 35.9 40.6 61.0#

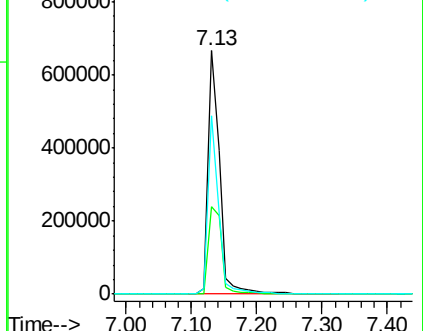
54 73.2 38.1 57.1#

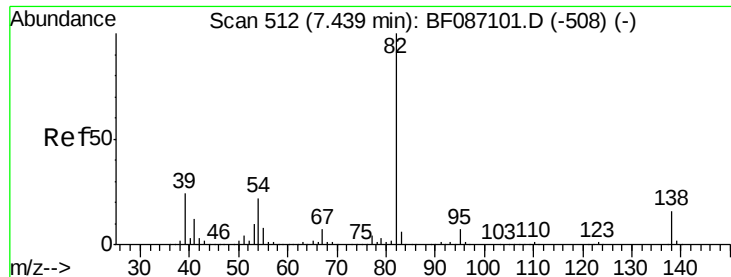


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 45.24 ng

RT: 7.13 min Scan# 485

Delta R.T. -0.32 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

Instrument :

BNA_F

ClientSampleId :

VE4-11

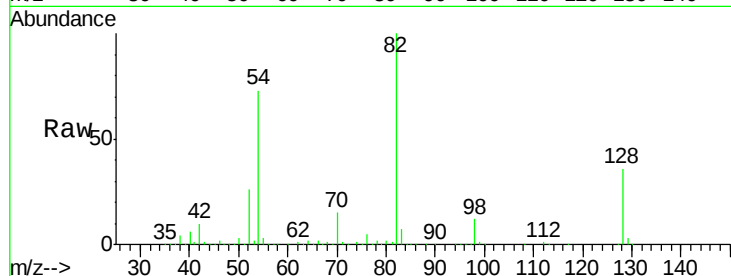
Tgt Ion: 82 Resp: 800283

Ion Ratio Lower Upper

82 100

95 0.1 5.1 7.7#

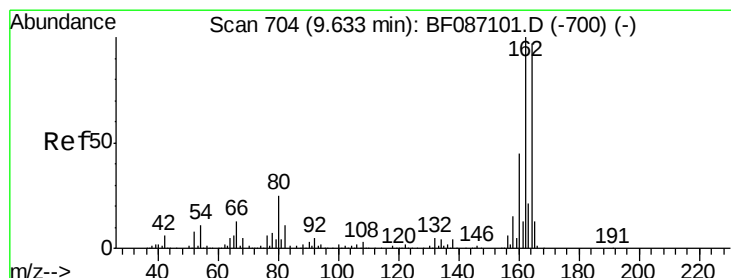
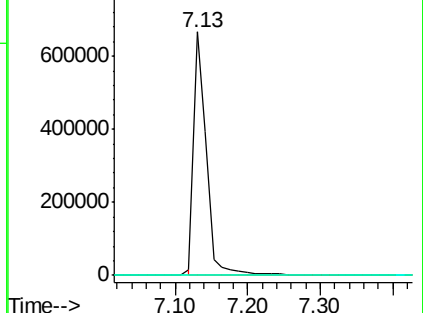
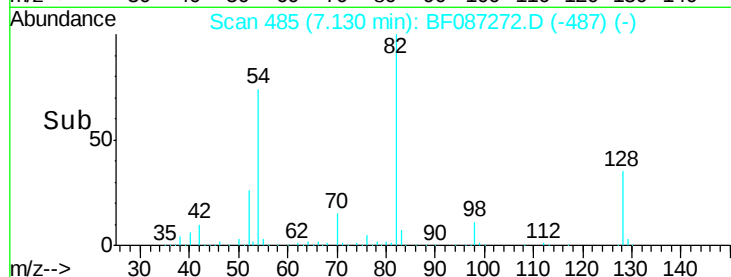
138 0.0 12.4 18.6#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.06 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

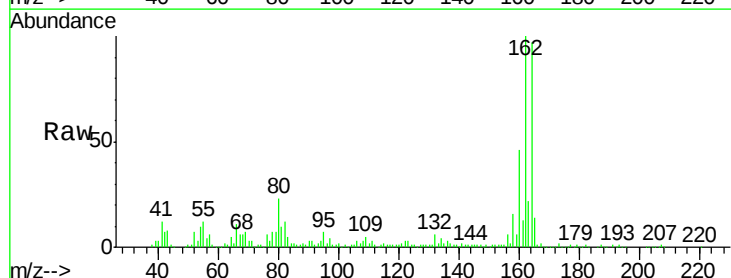
Tgt Ion: 164 Resp: 209563

Ion Ratio Lower Upper

164 100

162 103.3 82.8 124.2

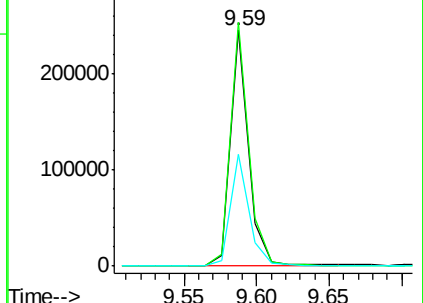
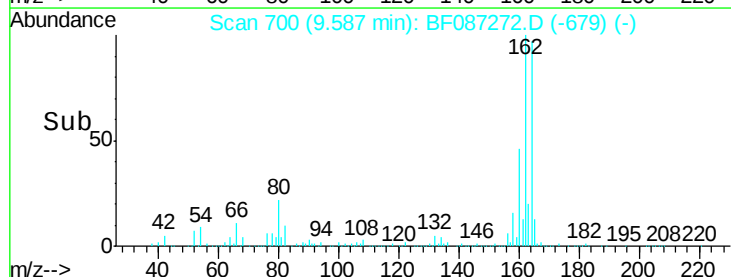
160 47.4 36.9 55.3

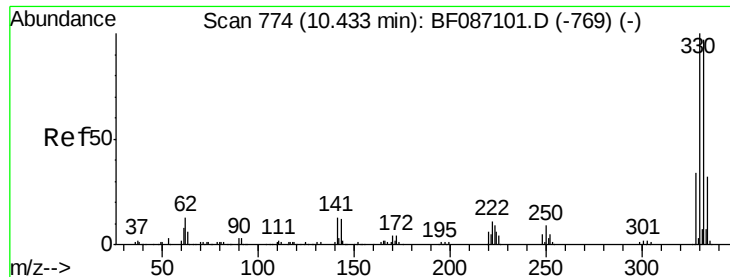


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

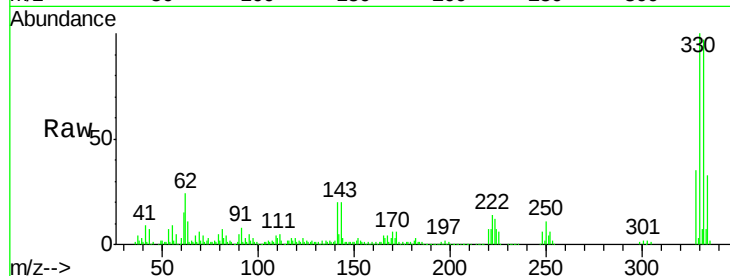




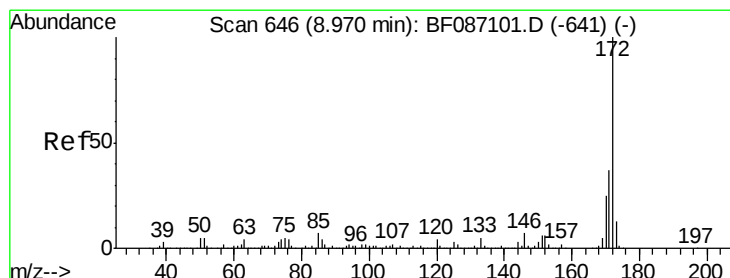
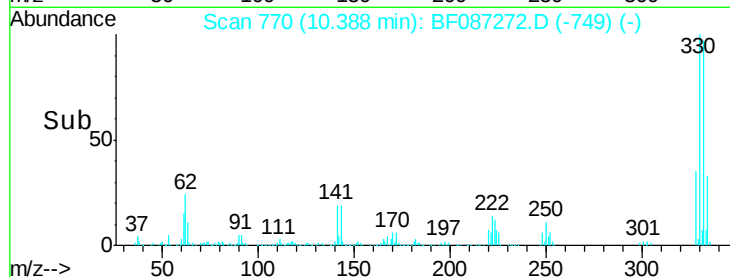
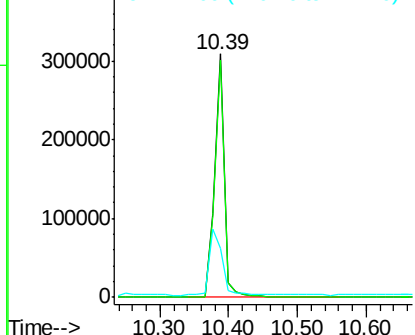
#41
 2,4,6-Tribromophenol
 Concen: 134.70 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.06 min
 Lab File: BF087272.D
 Acq: 21 May 2016 14:55

Instrument :
 BNA_F
 ClientSampleId :
 VE4-11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	79.0	118.4
141	35.4	31.2	46.8

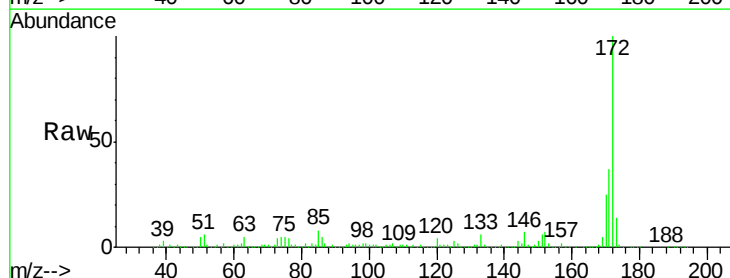


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

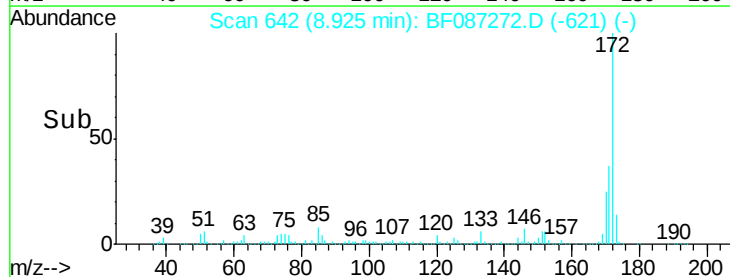
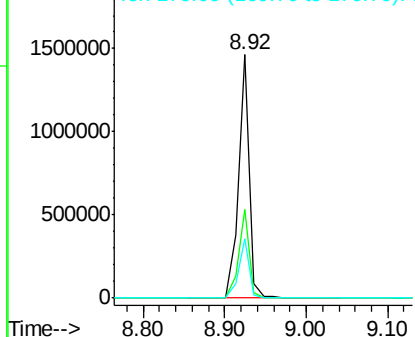


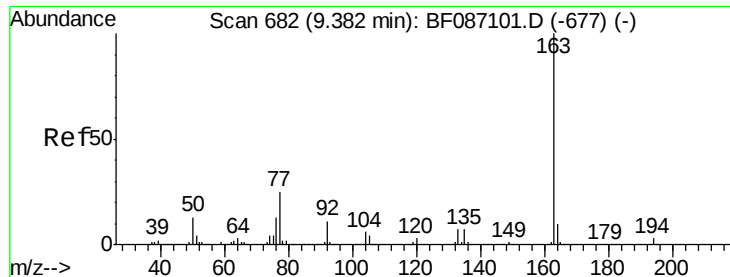
#44
 2-Fluorobiphenyl
 Concen: 106.91 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.06 min
 Lab File: BF087272.D
 Acq: 21 May 2016 14:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.0	43.6
170	24.6	19.8	29.8



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





#49

Dimethylphthalate

Concen: 3.56 ng

RT: 9.32 min Scan# 677

Delta R.T. -0.07 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

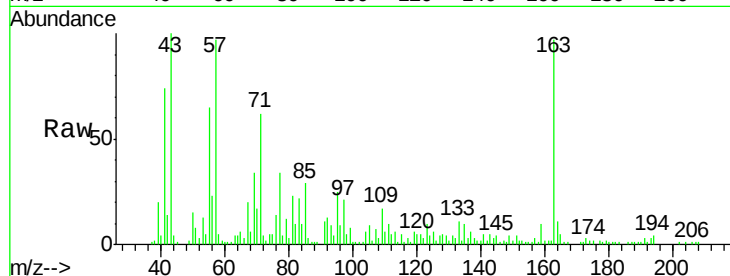
Instrument :

BNA_F

ClientSampleId :

VE4-11

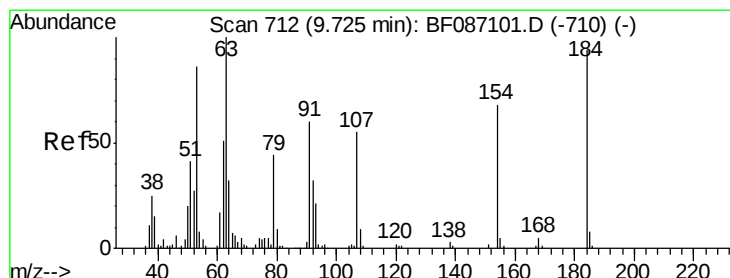
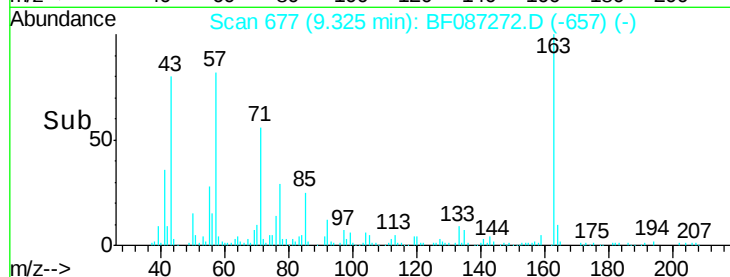
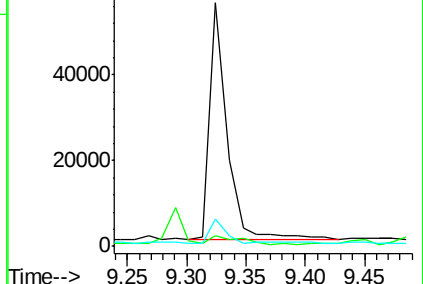
Tgt Ion:	163	Resp:	56885
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.6	4.0#
164	11.0	8.2	12.4



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



#53

2,4-Dinitrophenol

Concen: 5.31 ng

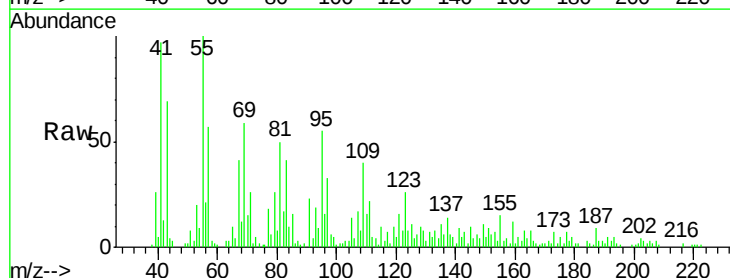
RT: 9.88 min Scan# 726

Delta R.T. 0.15 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

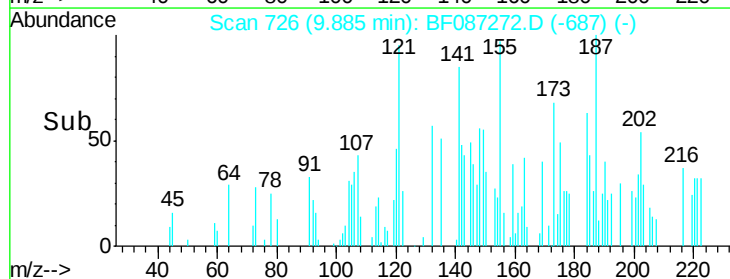
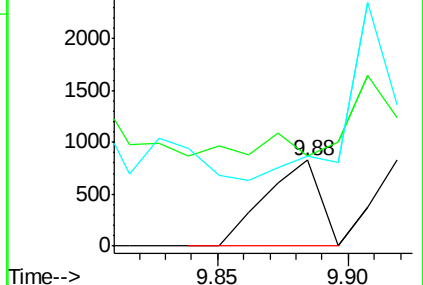
Tgt Ion:	184	Resp:	1210
Ion Ratio	Lower	Upper	
184	100		
63	104.6	55.8	83.8#
154	104.2	62.4	93.6#

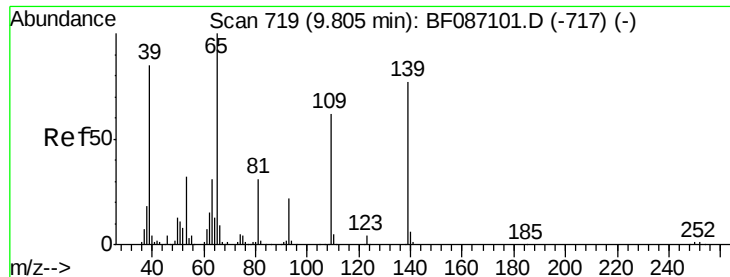


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

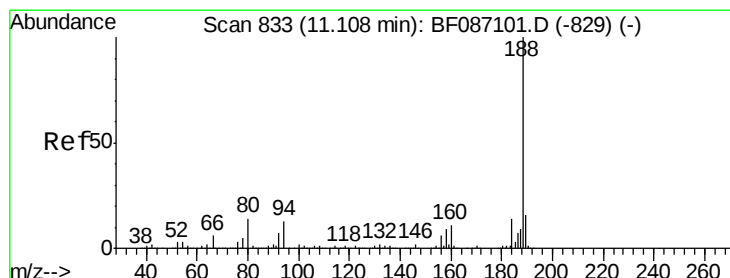
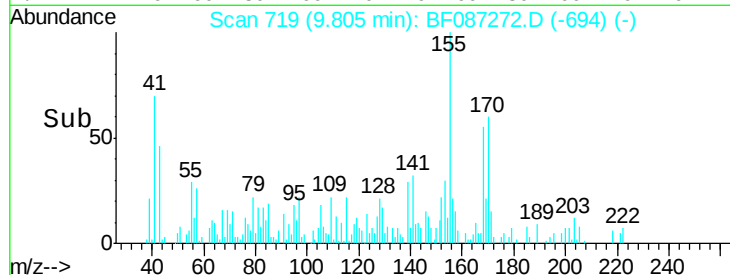
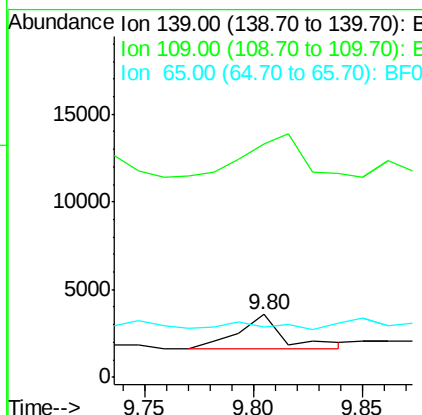
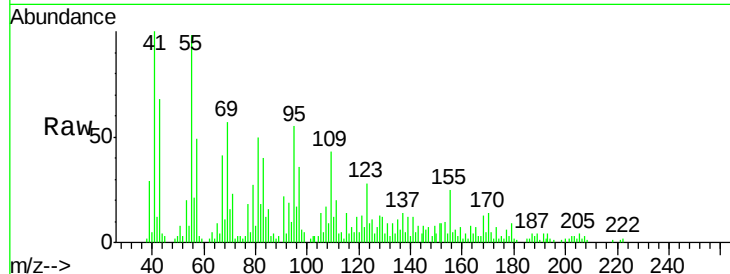




#55
4-Nitrophenol
Concen: 2.71 ng
RT: 9.80 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF087272.D
Acq: 21 May 2016 14:55

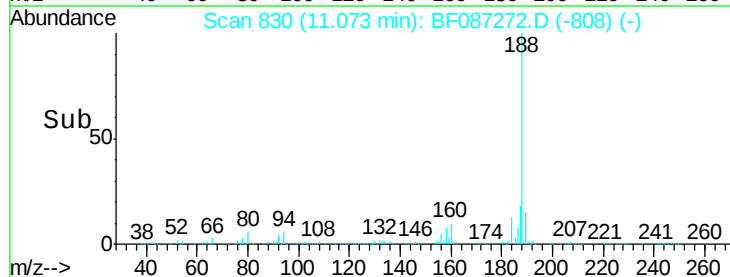
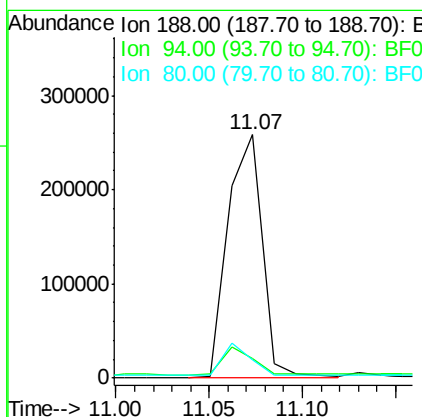
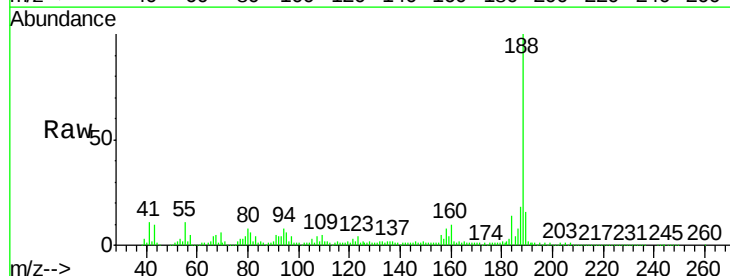
Instrument :
BNA_F
ClientSampleId :
VE4-11

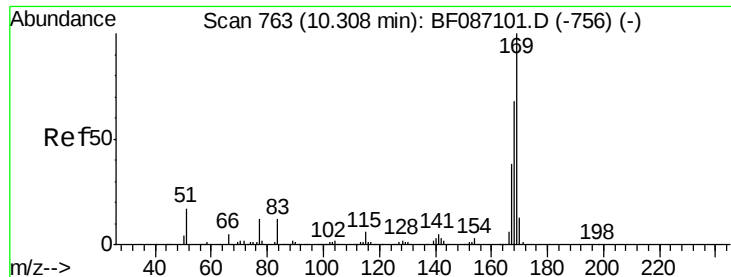
Tgt Ion:139 Resp: 3036
Ion Ratio Lower Upper
139 100
109 372.2 36.9 76.9#
65 81.2 64.0 104.0



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF087272.D
Acq: 21 May 2016 14:55

Tgt Ion:188 Resp: 332008
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 7.5 7.1 10.7





#65

n-Nitrosodiphenylamine

Concen: 2.22 ng

RT: 10.25 min Scan# 758

Delta R.T. -0.07 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

Instrument :

BNA_F

ClientSampleId :

VE4-11

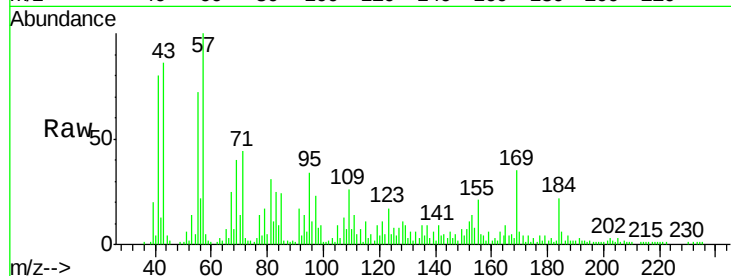
Tgt Ion:169 Resp: 23234

Ion Ratio Lower Upper

169 100

168 9.2 53.8 80.6#

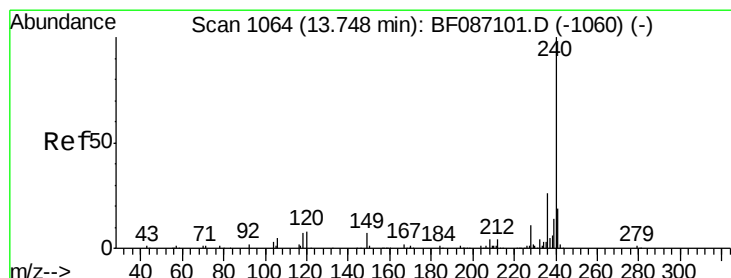
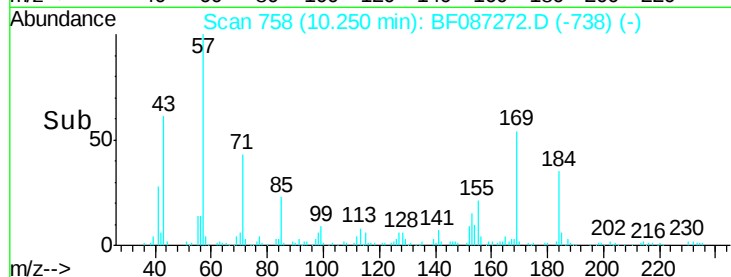
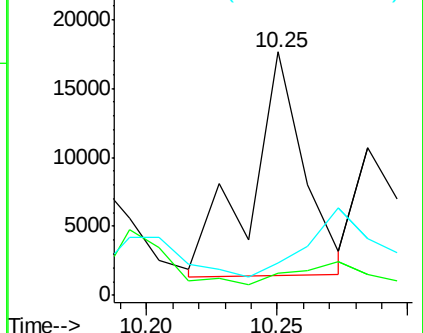
167 13.1 29.5 44.3#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.70 min Scan# 1060

Delta R.T. -0.06 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

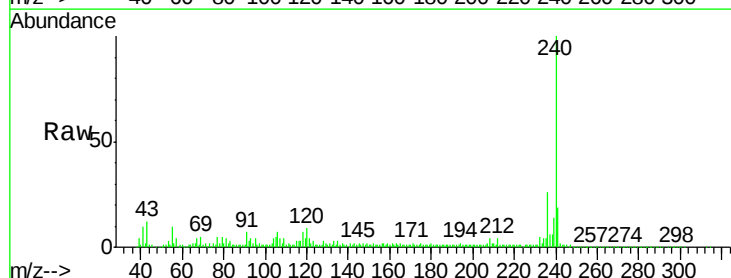
Tgt Ion:240 Resp: 233976

Ion Ratio Lower Upper

240 100

120 9.1 11.2 16.8#

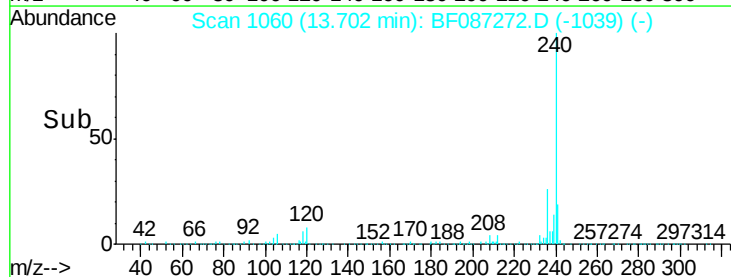
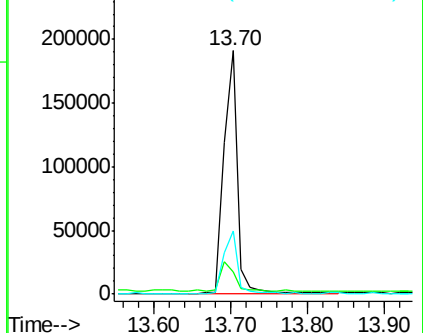
236 26.0 21.2 31.8

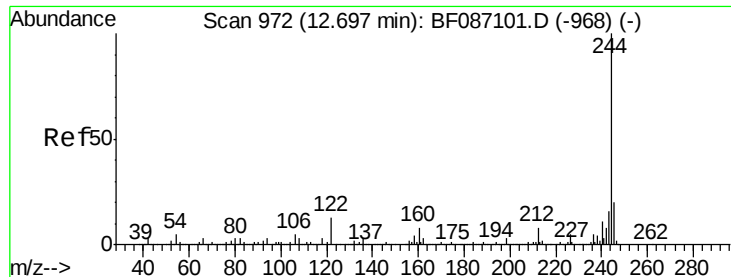


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.14 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.06 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

Instrument :

BNA_F

ClientSampleId :

VE4-11

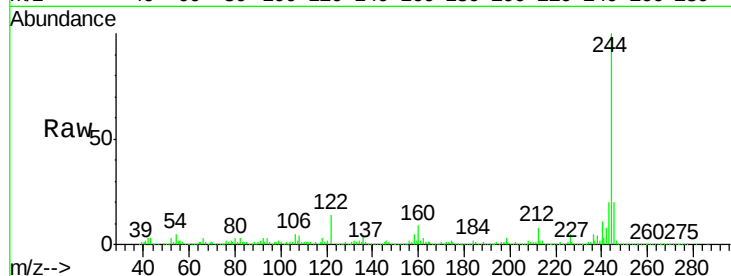
Tgt Ion:244 Resp: 797913

Ion Ratio Lower Upper

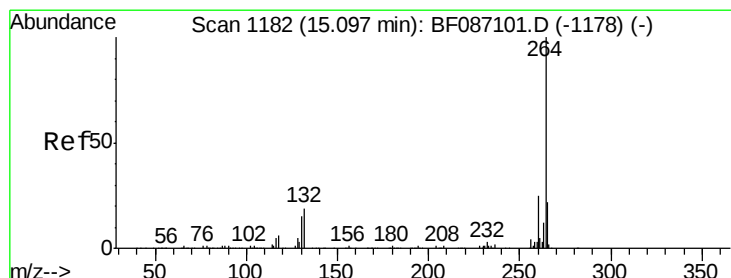
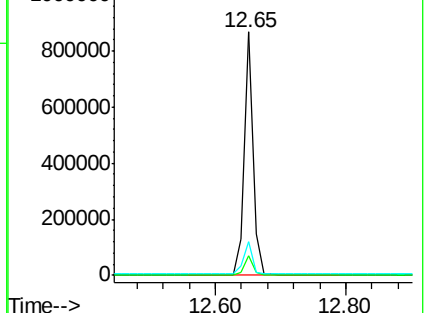
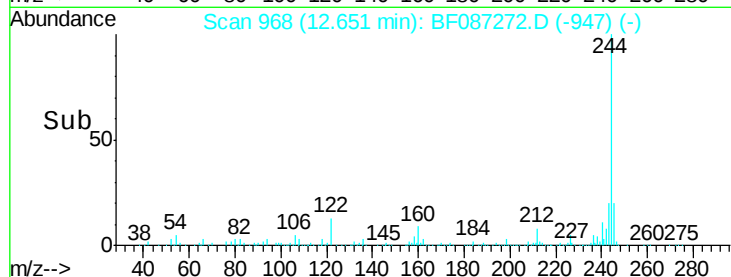
244 100

212 8.1 6.2 9.2

122 13.6 12.0 18.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.05 min Scan# 1178

Delta R.T. -0.06 min

Lab File: BF087272.D

Acq: 21 May 2016 14:55

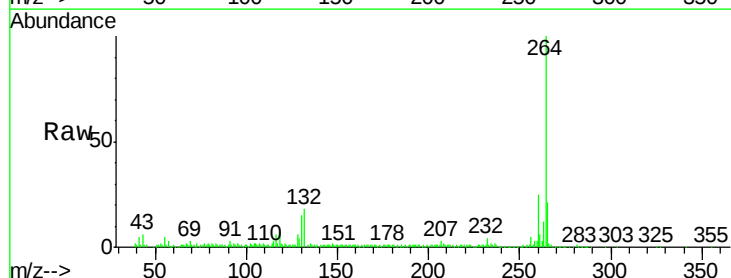
Tgt Ion:264 Resp: 224422

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 21.4 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

