

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
 Data File : BF085687.D
 Acq On : 23 Mar 2016 5:32
 Operator : UM/SJ
 Sample : H1858-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-12A

Quant Time: Mar 23 05:42:05 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

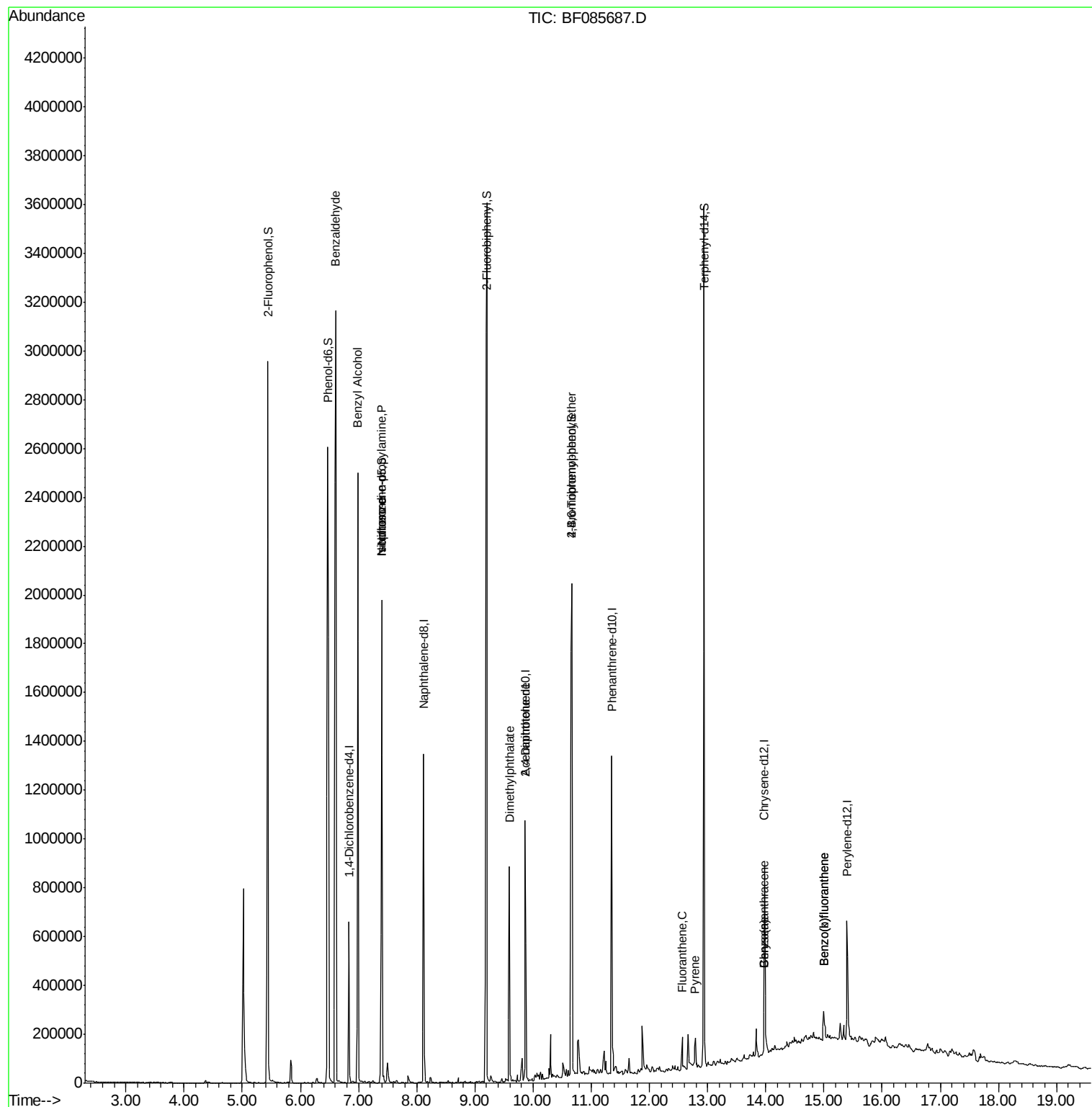
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	137701	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	569625	20.00	ng	-0.02
38) Acenaphthene-d10	9.86	164	240007	20.00	ng	-0.03
63) Phenanthrene-d10	11.35	188	432134	20.00	ng	-0.03
75) Chrysene-d12	13.98	240	251011	20.00	ng	-0.03
86) Perylene-d12	15.40	264	241305	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1213167	147.98	ng	-0.01
7) Phenol-d6	6.47	99	1567751	149.10	ng	-0.02
23) Nitrobenzene-d5	7.40	82	973432	99.19	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	419602	178.48	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1702763	147.43	ng	-0.02
78) Terphenyl-d14	12.94	244	1250022	119.84	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.61	77	27551	3.24	ng	Qvalue 89
15) Benzyl Alcohol	6.98	79	14709	2.04	ng	# 49
19) n-Nitroso-di-n-propylamine	7.40	70	125868	20.04	ng	# 78
25) Isophorone	7.40	82	821414	41.81	ng	# 68
49) Dimethylphthalate	9.59	163	364043	20.10	ng	99
56) 2,4-Dinitrotoluene	9.86	165	31314	6.26	ng	# 38
66) 4-Bromophenyl-phenylether	10.66	248	26390	6.11	ng	# 1
74) Fluoranthene	12.56	202	61942	2.60	ng	90
77) Pyrene	12.79	202	63972	3.55	ng	99
80) Benzo(a)anthracene	13.97	228	39338	2.70	ng	94
82) Chrysene	13.97	228	39338	2.81	ng	97
87) Benzo(b)fluoranthene	15.00	252	75220	4.78	ng	98
88) Benzo(k)fluoranthene	15.00	252	75220	5.80	ng	# 96

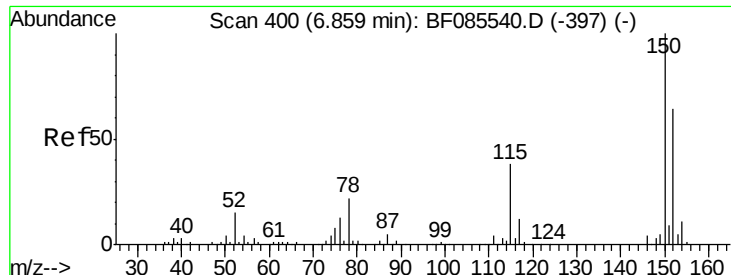
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

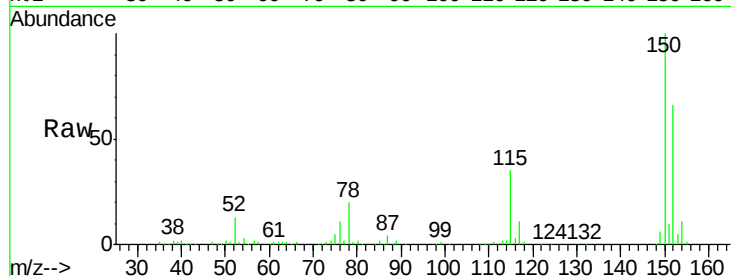
Tgt Ion:152 Resp: 137701

Ion Ratio Lower Upper

152 100

150 152.5 124.2 186.2

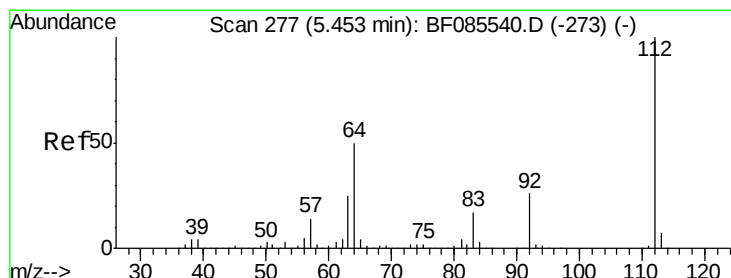
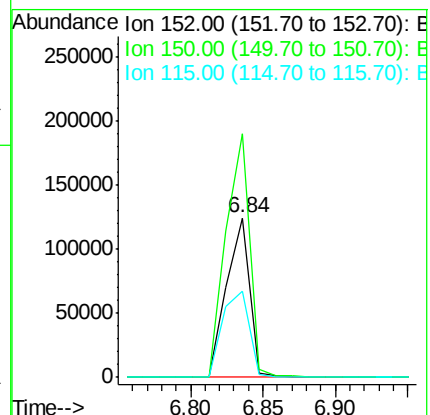
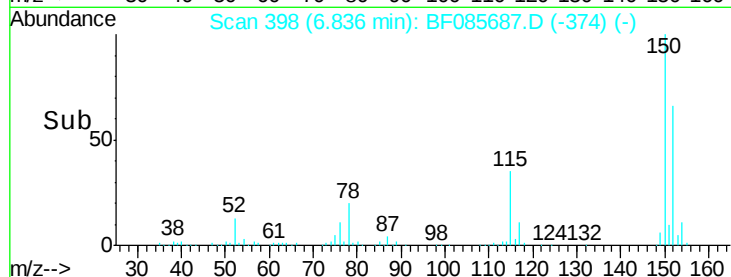
115 54.1 47.0 70.6



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: 147.98 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

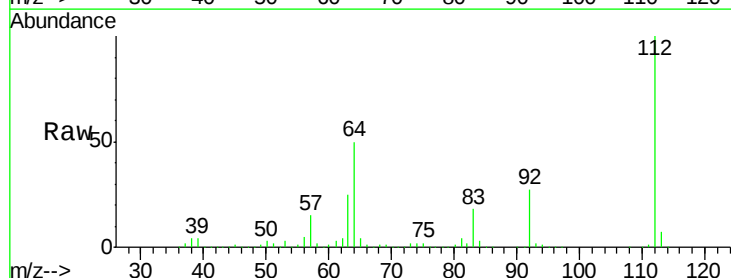
Tgt Ion:112 Resp: 1213167

Ion Ratio Lower Upper

112 100

64 50.3 39.9 59.9

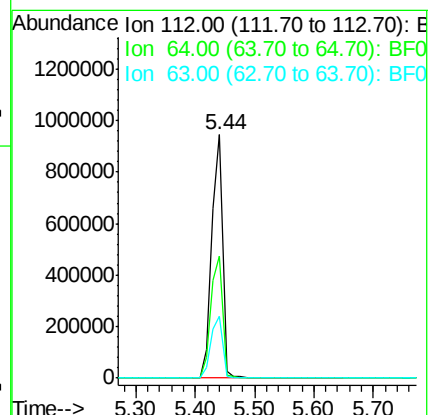
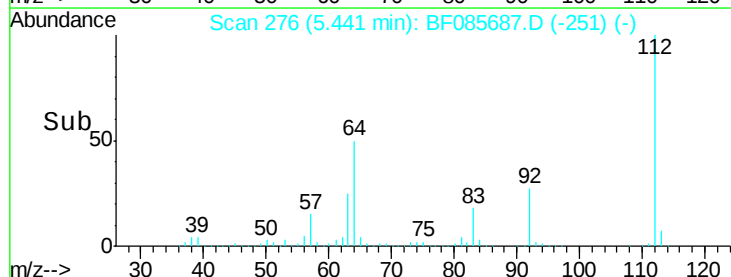
63 25.5 20.2 30.2



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: 149.10 ng

RT: 6.47 min Scan# 366

Delta R.T. -0.02 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

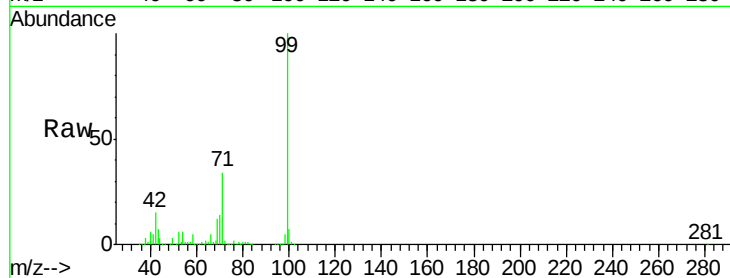
Tgt Ion: 99 Resp: 1567751

Ion Ratio Lower Upper

99 100

42 15.2 11.1 16.7

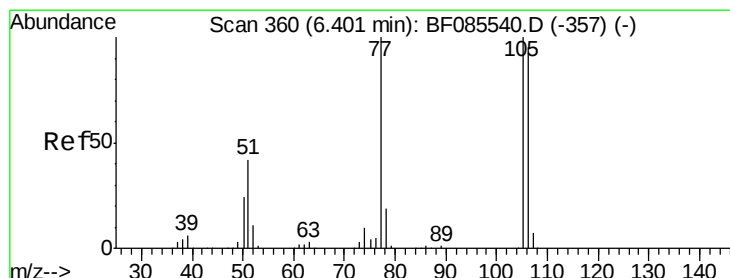
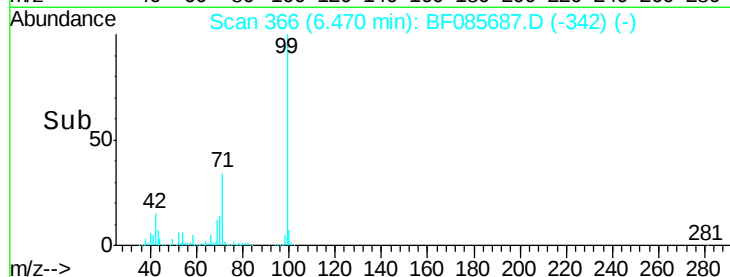
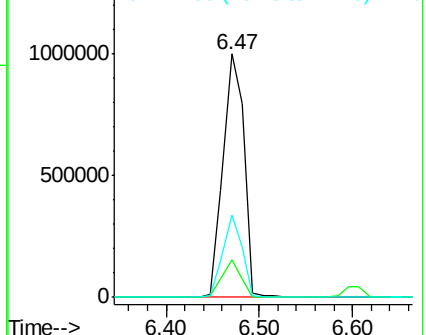
71 33.9 24.9 37.3



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: 3.24 ng

RT: 6.61 min Scan# 378

Delta R.T. 0.21 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

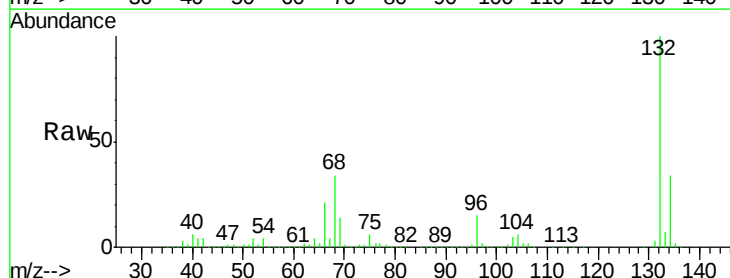
Tgt Ion: 77 Resp: 27551

Ion Ratio Lower Upper

77 100

105 88.0 80.1 120.1

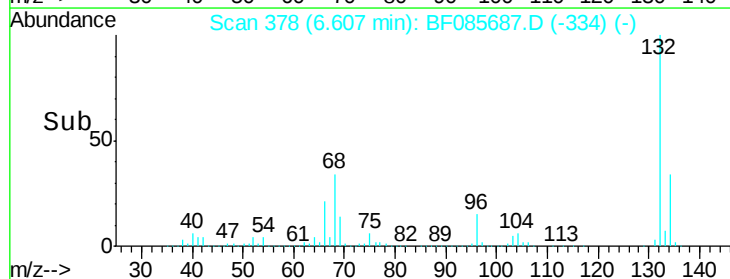
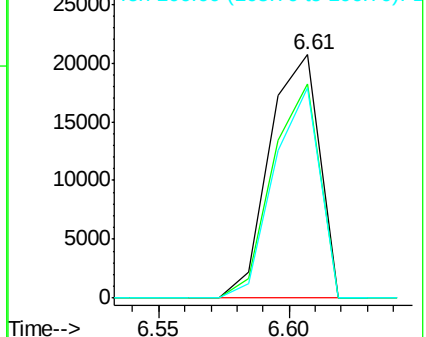
106 86.1 75.0 115.0

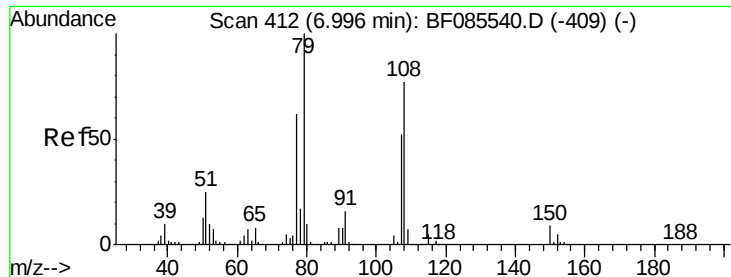


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.98 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

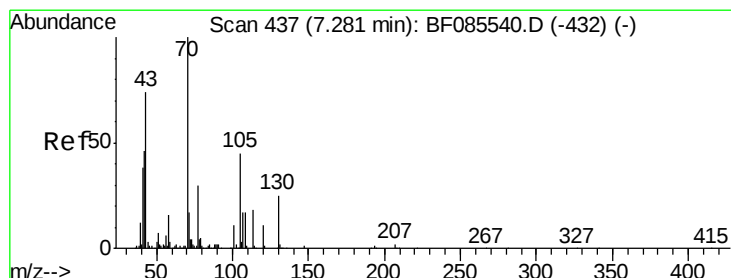
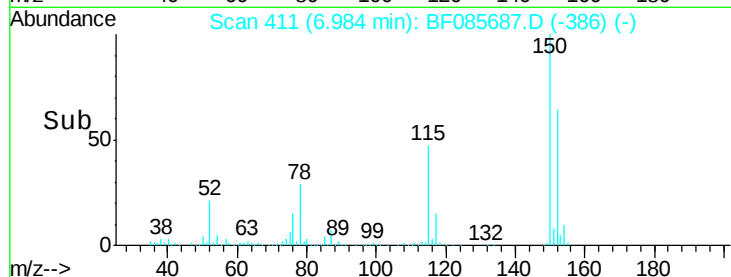
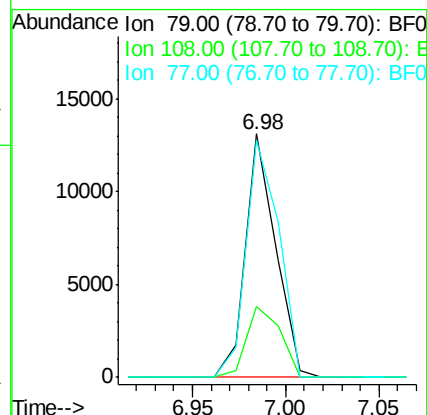
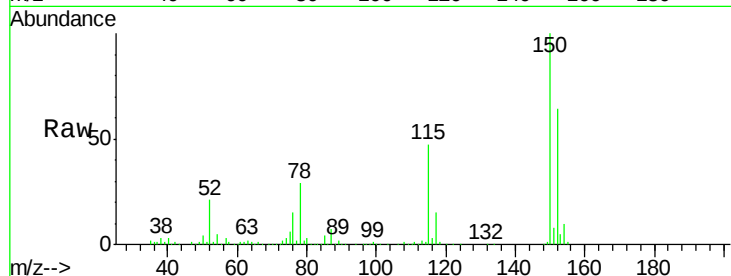
Tgt Ion: 79 Resp: 14709

Ion Ratio Lower Upper

79 100

108 29.1 61.8 92.6#

77 97.4 49.6 74.4#



#19

n-Nitroso-di-n-propylamine

Concen: 20.04 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.11 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Tgt Ion: 70 Resp: 125868

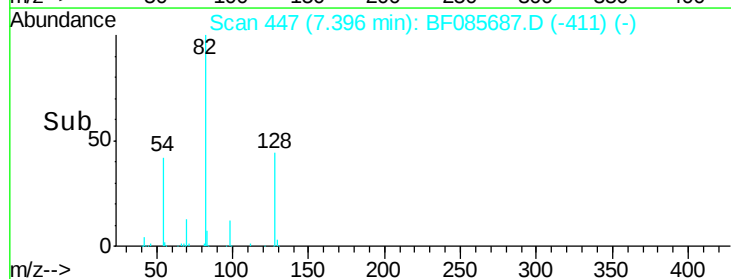
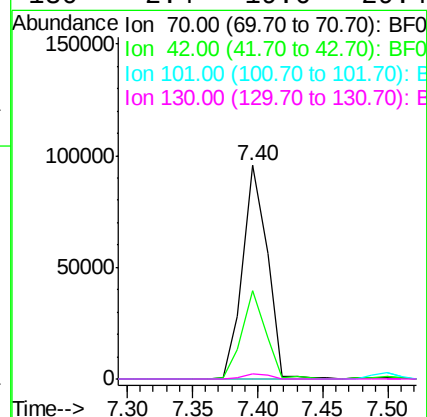
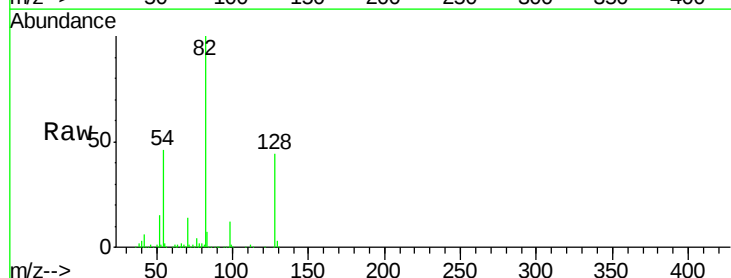
Ion Ratio Lower Upper

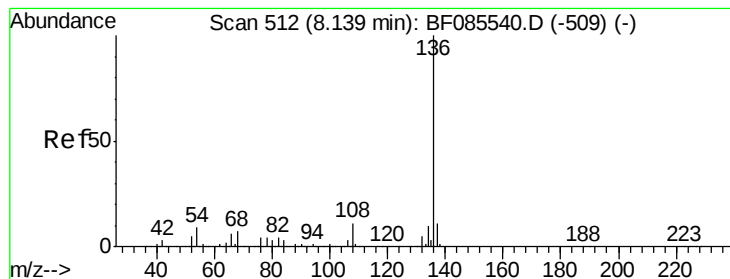
70 100

42 41.1 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 510

Delta R.T. -0.02 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

Tgt Ion: 136 Resp: 569625

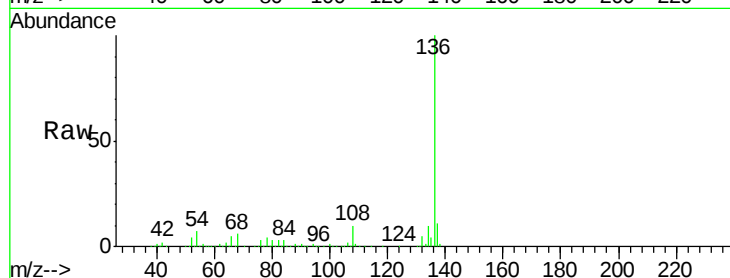
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.9 7.4 11.0#

68 5.9 5.8 8.8

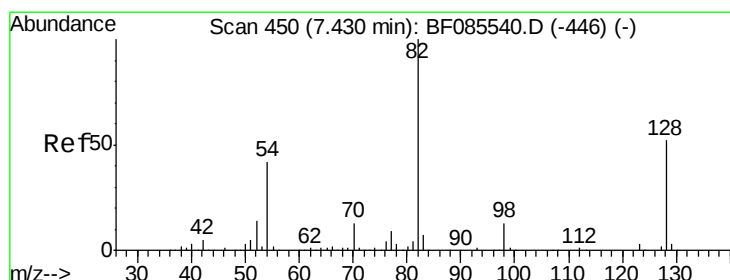
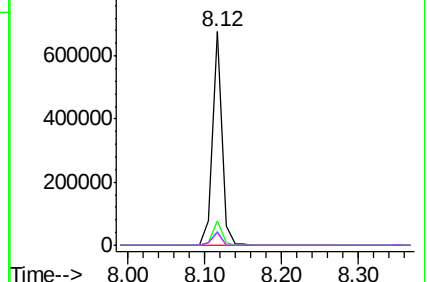
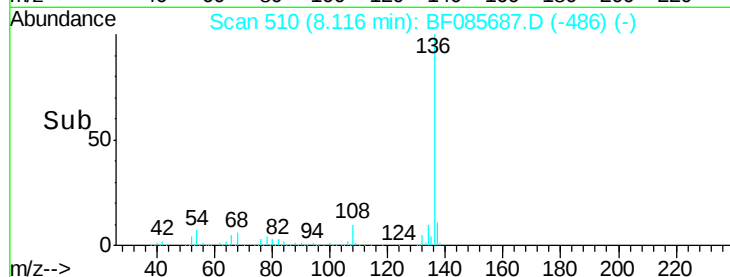


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 99.19 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

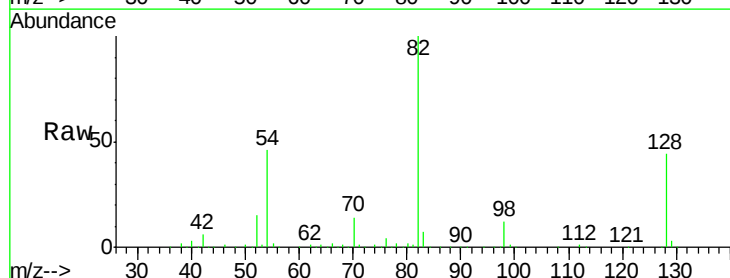
Tgt Ion: 82 Resp: 973432

Ion Ratio Lower Upper

82 100

128 44.3 41.8 62.8

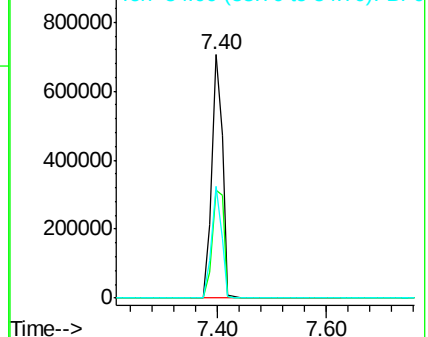
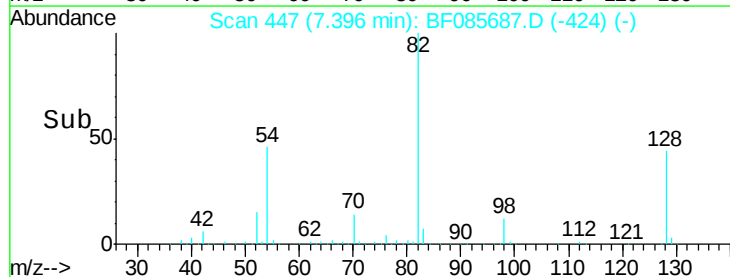
54 45.9 33.4 50.0

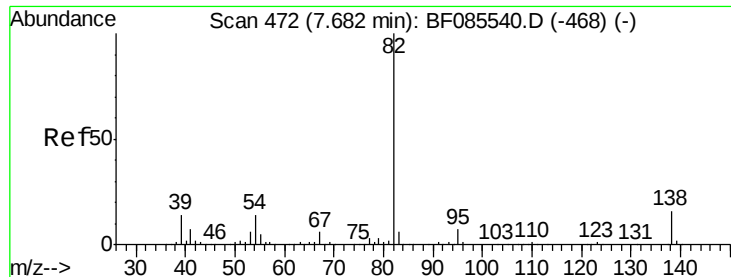


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 41.81 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.29 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

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ClientSampleId :

TRACK-D-GRID-12A

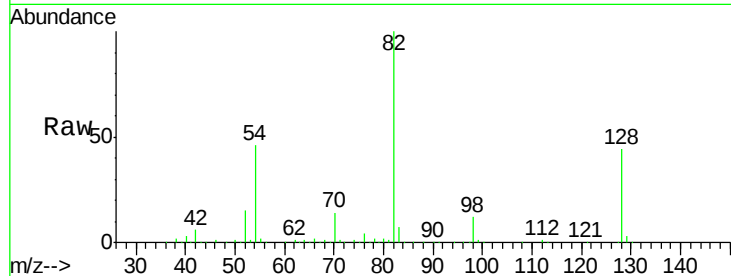
Tgt Ion: 82 Resp: 821414

Ion Ratio Lower Upper

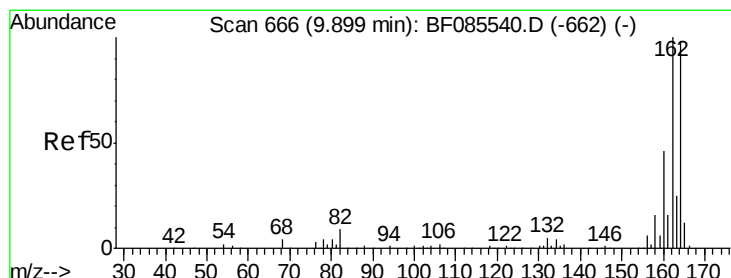
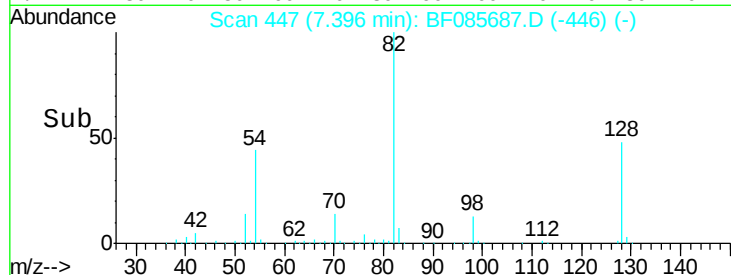
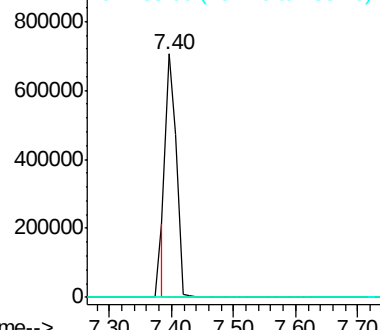
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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: 9.86 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

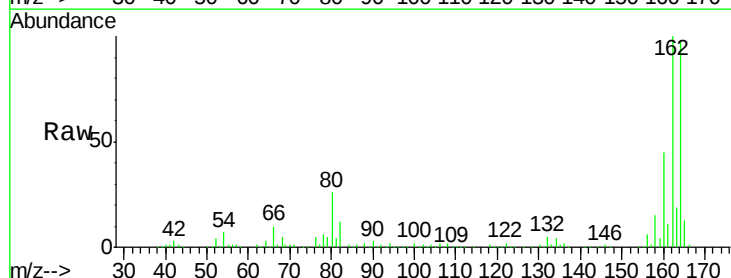
Tgt Ion: 164 Resp: 240007

Ion Ratio Lower Upper

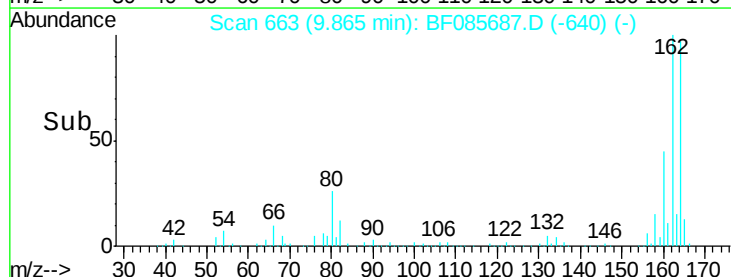
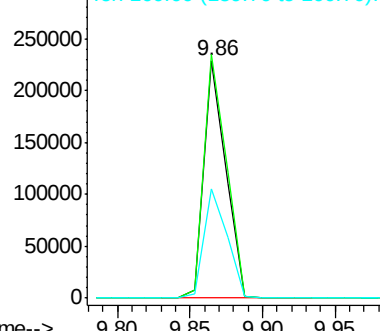
164 100

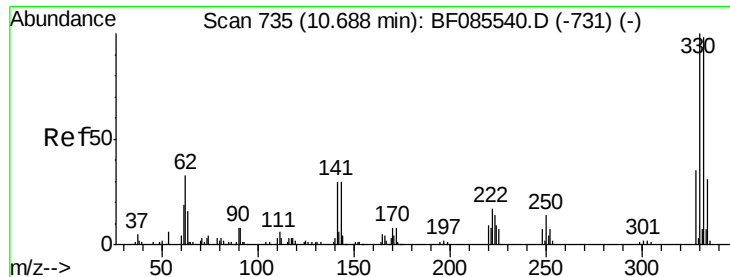
162 102.5 82.1 123.1

160 46.1 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

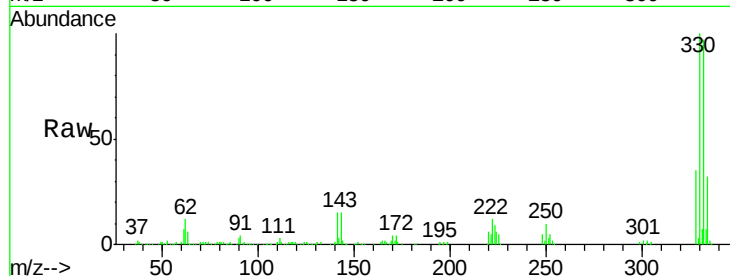




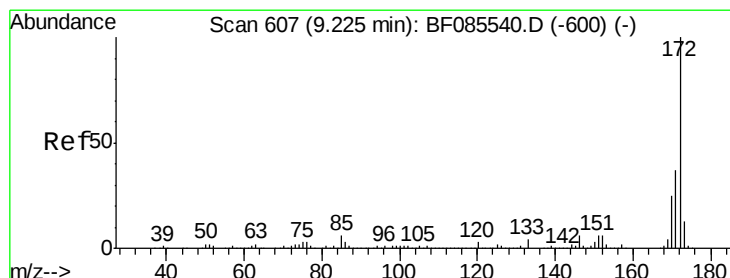
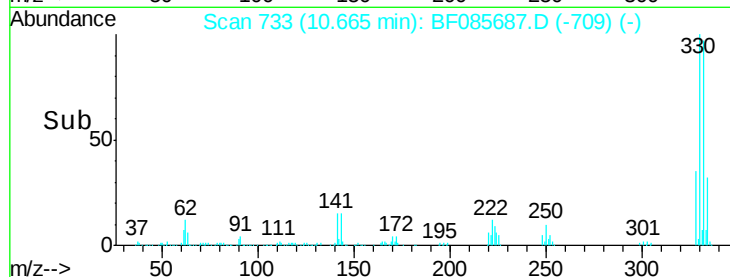
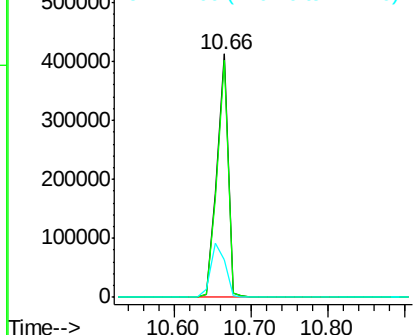
#41
 2,4,6-Tribromophenol
 Concen: 178.48 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085687.D
 Acq: 23 Mar 2016 5:32

Instrument :
 BNA_F
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Tgt Ion:330 Resp: 419602
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.2 117.2
 141 28.5 31.5 47.3#

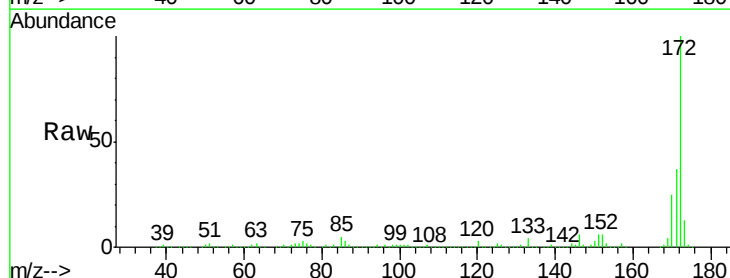


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

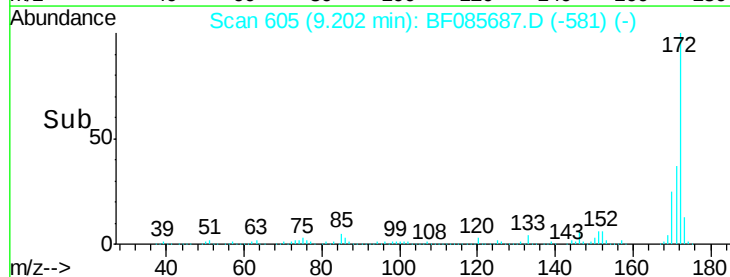
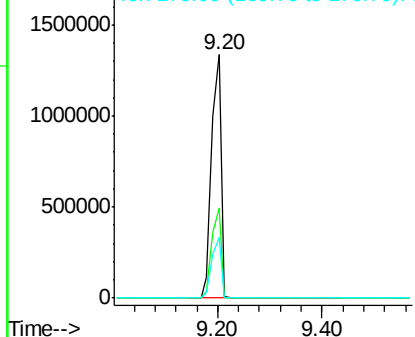


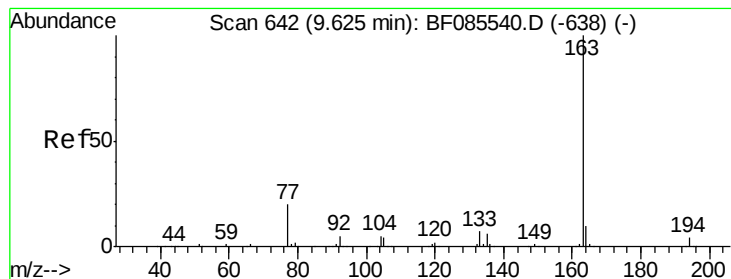
#44
 2-Fluorobiphenyl
 Concen: 147.43 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085687.D
 Acq: 23 Mar 2016 5:32

Tgt Ion:172 Resp: 1702763
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.2
 170 24.8 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





#49

Dimethylphthalate

Concen: 20.10 ng

RT: 9.59 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

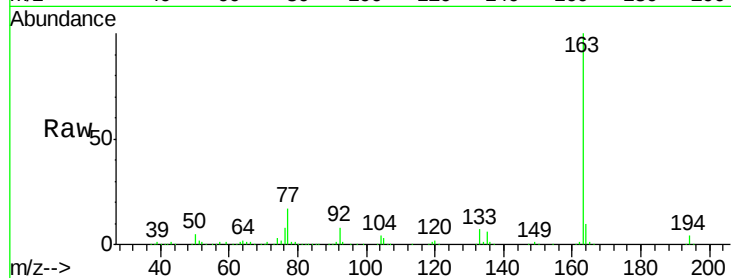
Tgt Ion:163 Resp: 364043

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

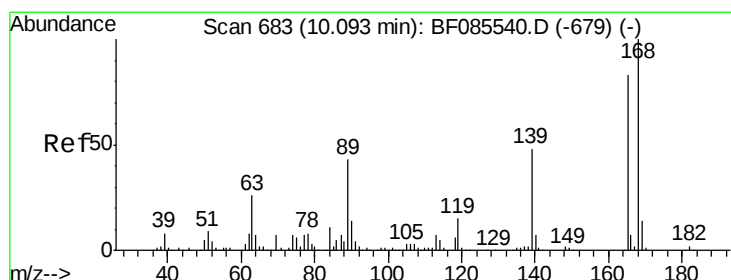
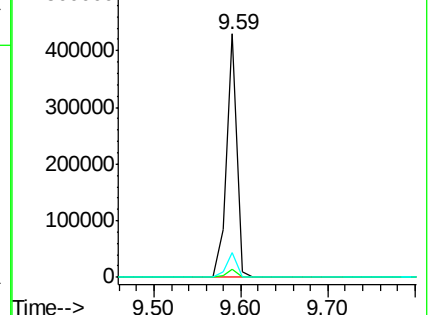
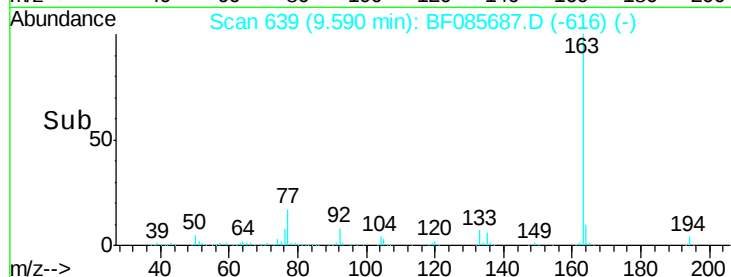
164 10.0 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.26 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.23 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Tgt Ion:165 Resp: 31314

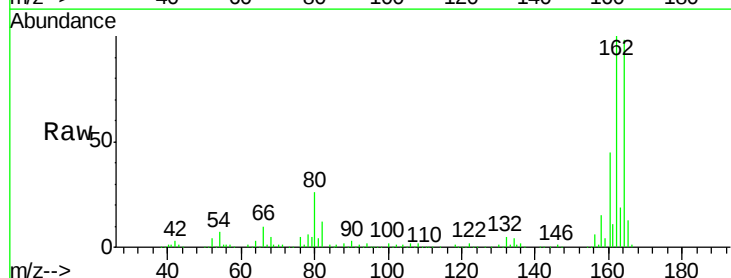
Ion Ratio Lower Upper

165 100

63 1.6 24.9 37.3#

89 2.0 41.0 61.6#

182 0.0 2.1 3.1#

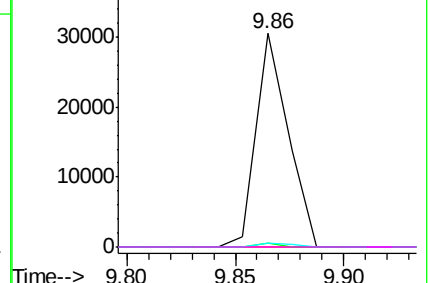
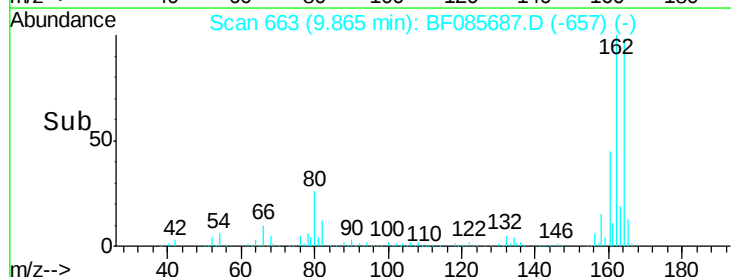


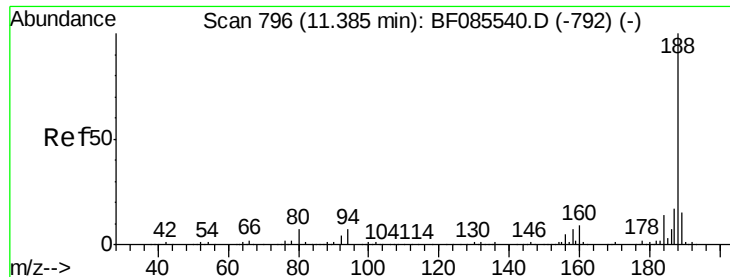
Abundance Ion 165.00 (164.70 to 165.70): E

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

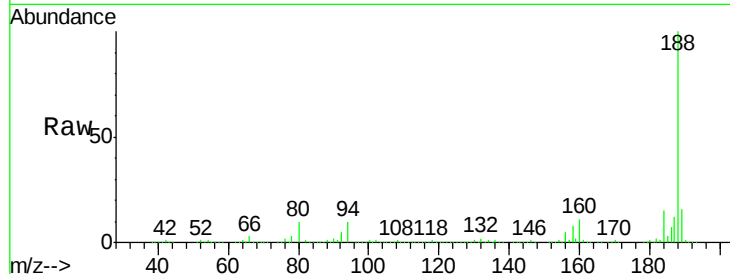




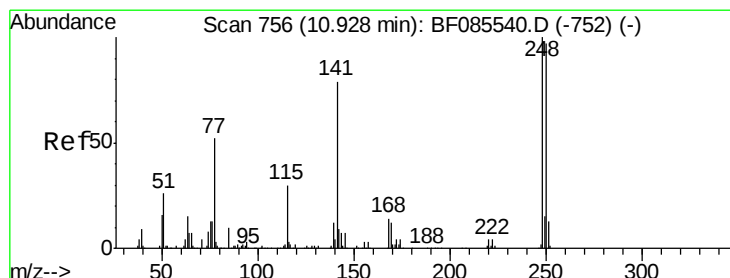
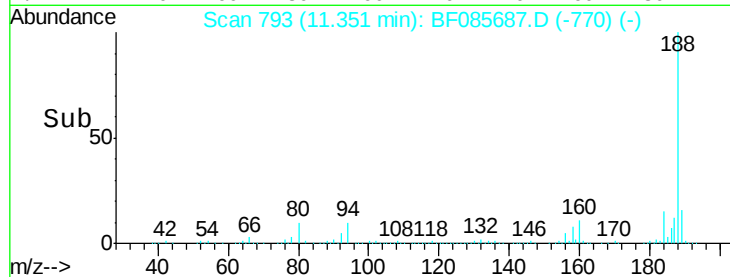
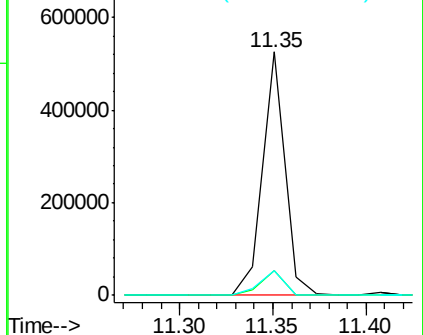
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 793
Delta R.T. -0.03 min
Lab File: BF085687.D
Acq: 23 Mar 2016 5:32

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-12A

Tgt Ion:188 Resp: 432134
Ion Ratio Lower Upper
188 100
94 10.0 5.4 8.0#
80 10.2 5.5 8.3#

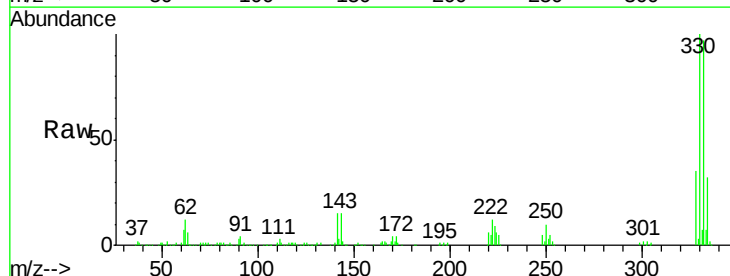


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

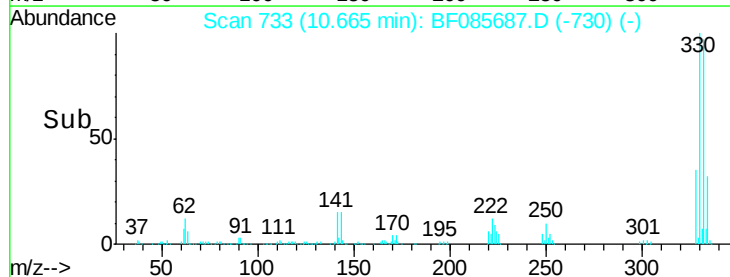
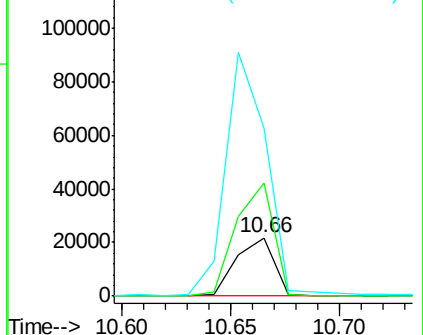


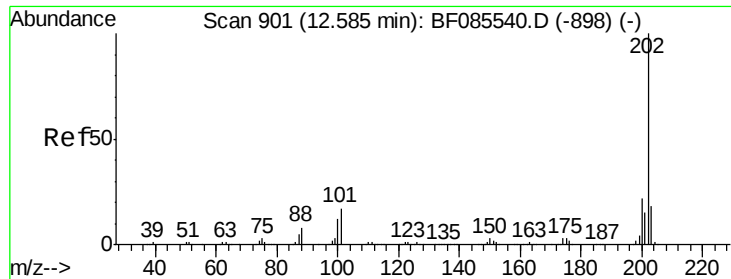
#66
4-Bromophenyl-phenylether
Concen: 6.11 ng
RT: 10.66 min Scan# 733
Delta R.T. -0.26 min
Lab File: BF085687.D
Acq: 23 Mar 2016 5:32

Tgt Ion:248 Resp: 26390
Ion Ratio Lower Upper
248 100
250 193.3 77.4 116.0#
141 286.2 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





#74

Fluoranthene

Concen: 2.60 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.02 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

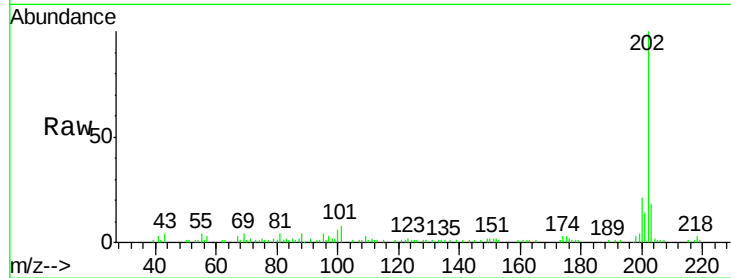
Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

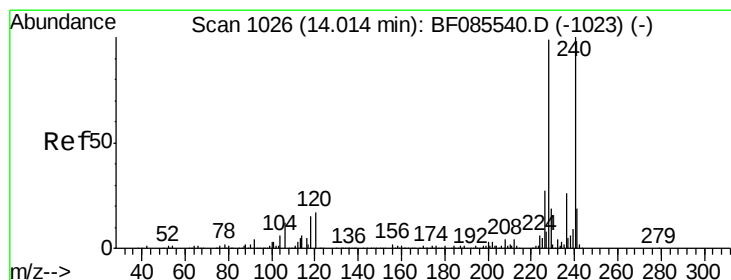
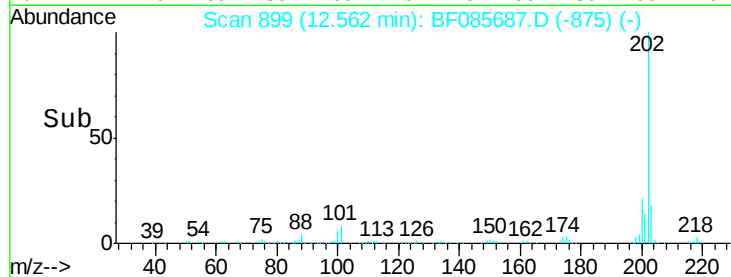
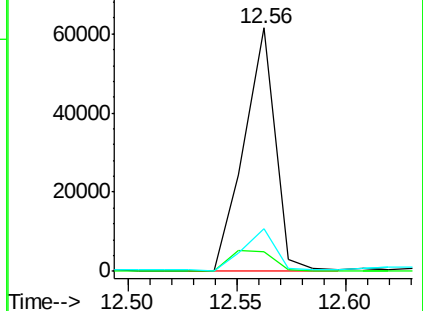
Tgt Ion:	202	Resp:	61942
Ion Ratio	Lower	Upper	
202	100		
101	8.0	0.0	36.6
203	17.6	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

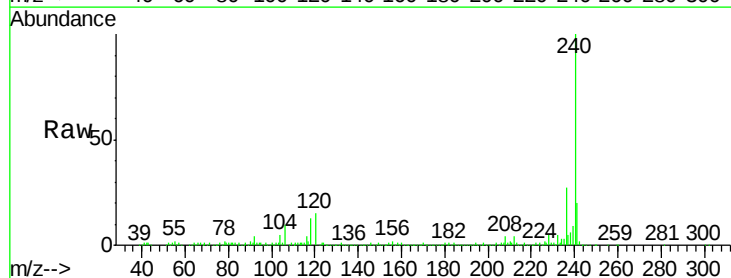
RT: 13.98 min Scan# 1023

Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

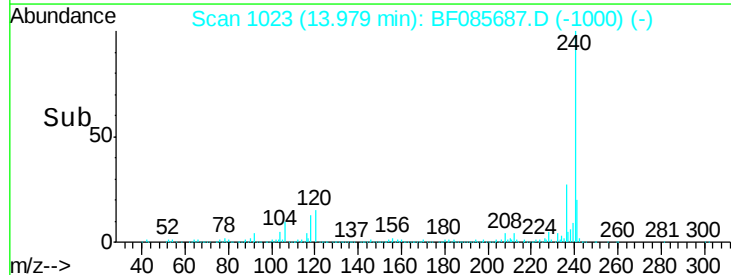
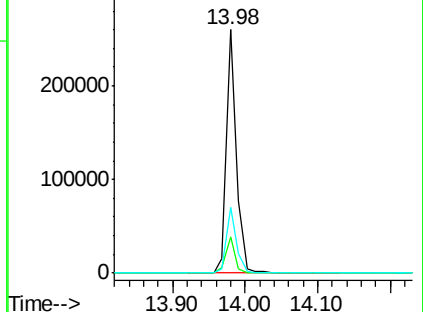
Tgt Ion:	240	Resp:	251011
Ion Ratio	Lower	Upper	
240	100		
120	14.9	13.8	20.8
236	26.8	20.6	30.8

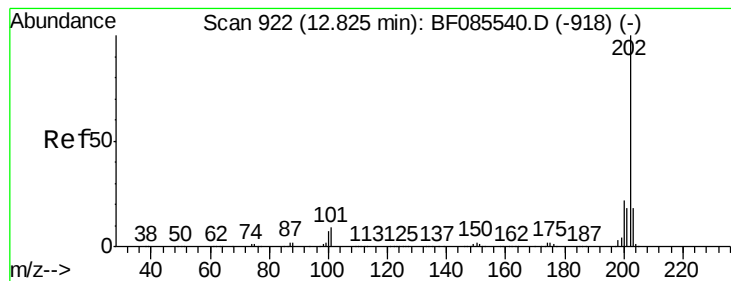


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 3.55 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

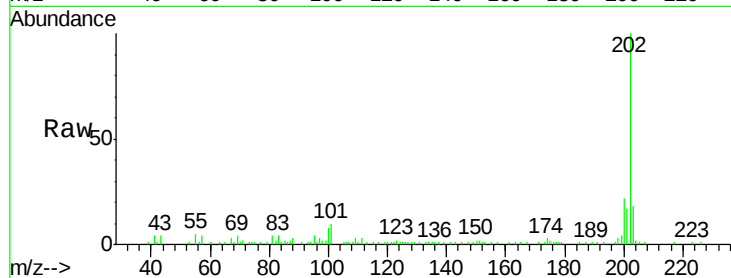
Tgt Ion:202 Resp: 63972

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

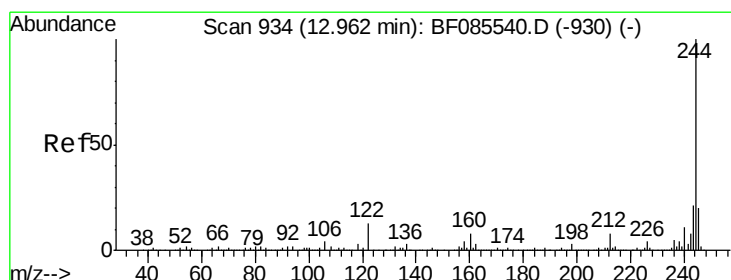
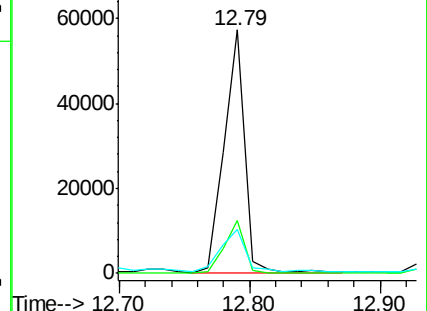
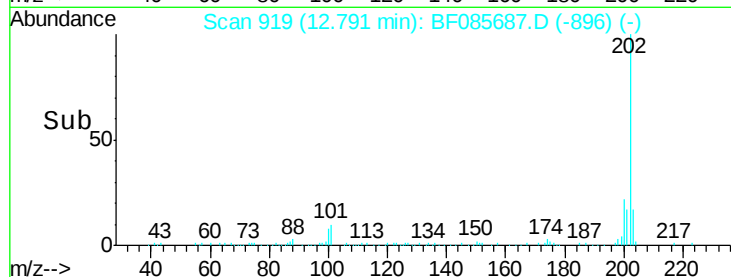
203 17.9 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 119.84 ng

RT: 12.94 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

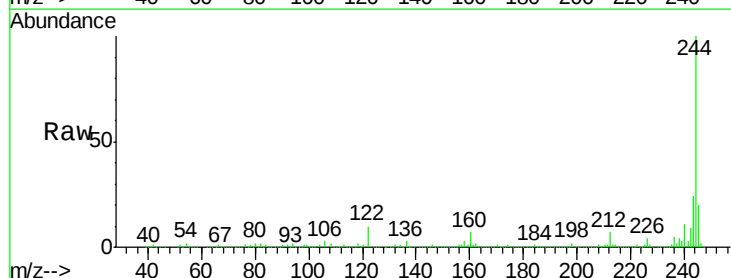
Tgt Ion:244 Resp: 1250022

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

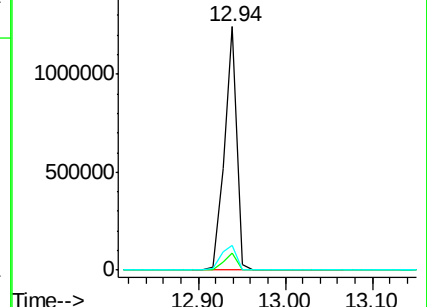
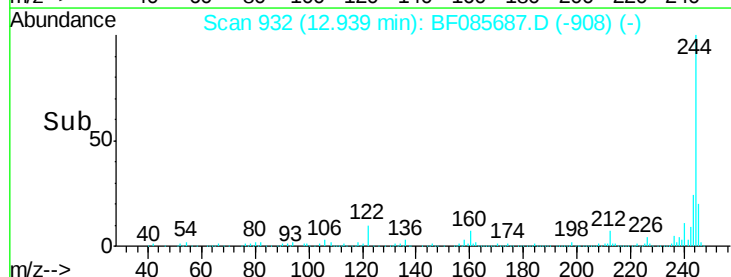
122 9.9 10.2 15.4#

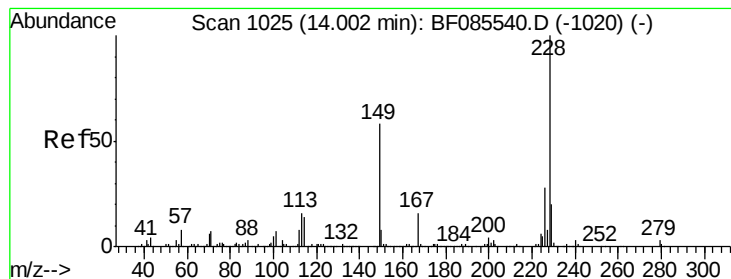


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.70 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.03 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

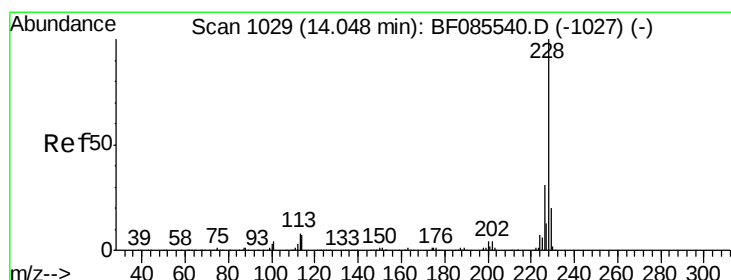
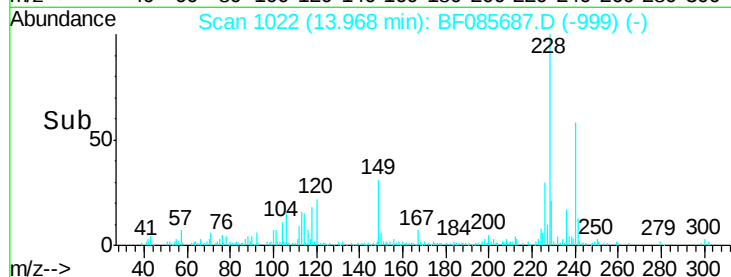
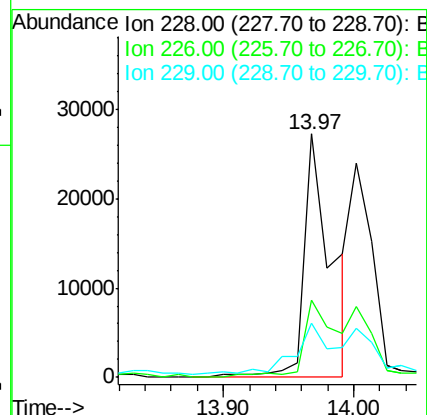
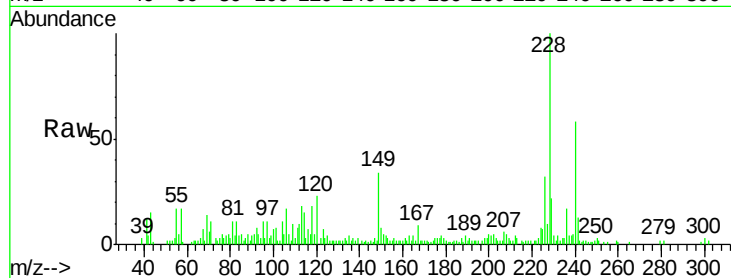
Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

Tgt Ion:	228	Resp:	39338
Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.1	33.1
229	22.5	16.2	24.4



#82

Chrysene

Concen: 2.81 ng

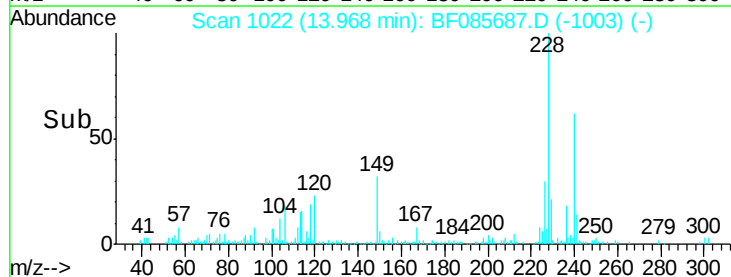
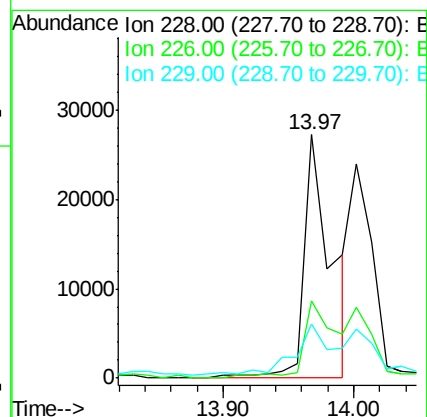
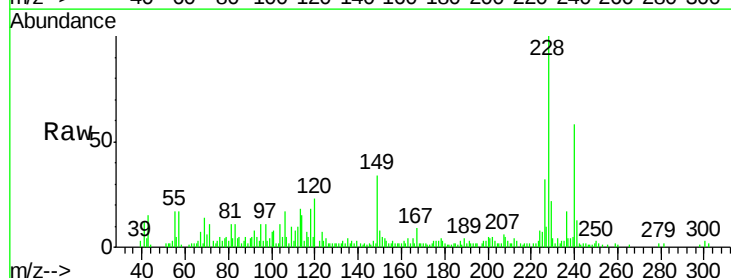
RT: 13.97 min Scan# 1022

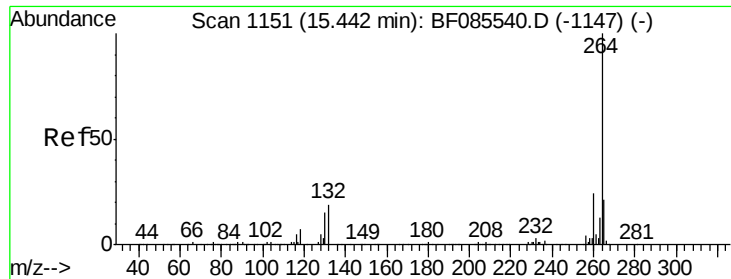
Delta R.T. -0.08 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Tgt Ion:	228	Resp:	39338
Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.5	15.7	23.5

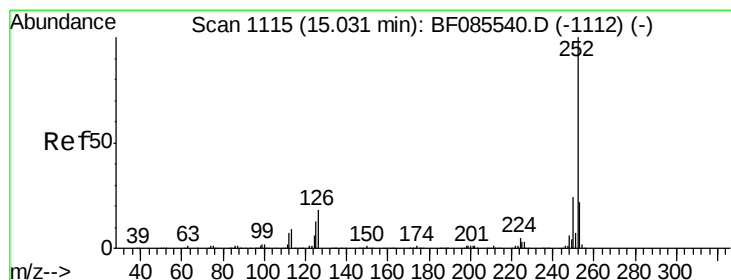
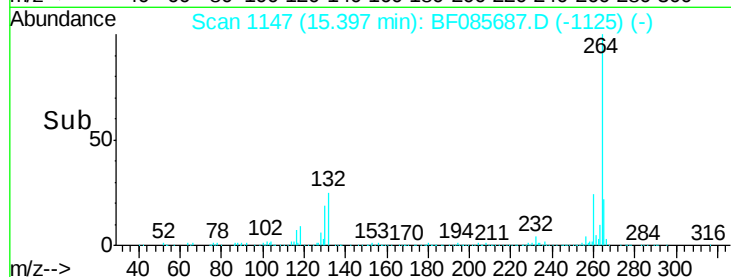
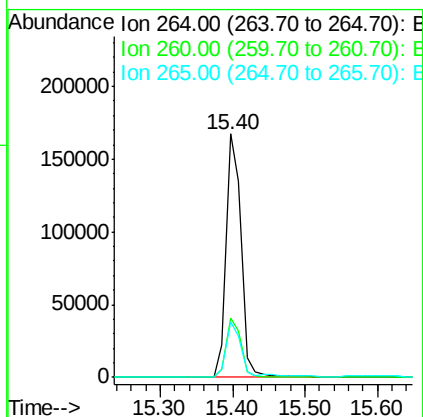
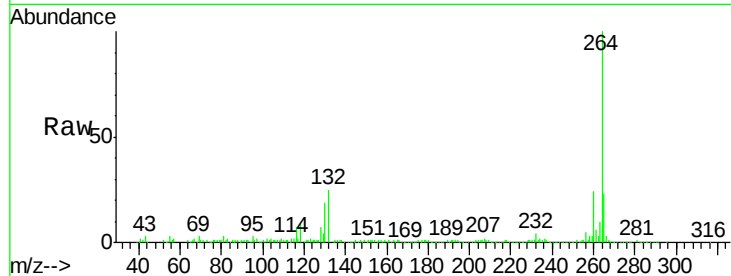




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF085687.D
Acq: 23 Mar 2016 5:32

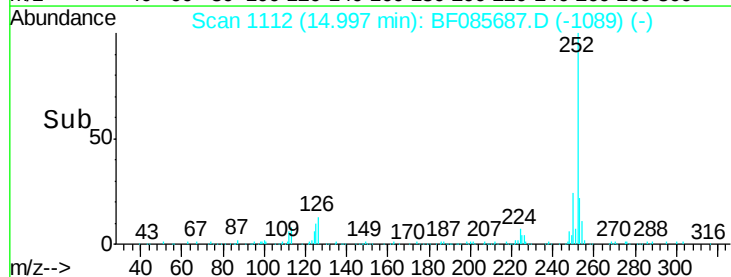
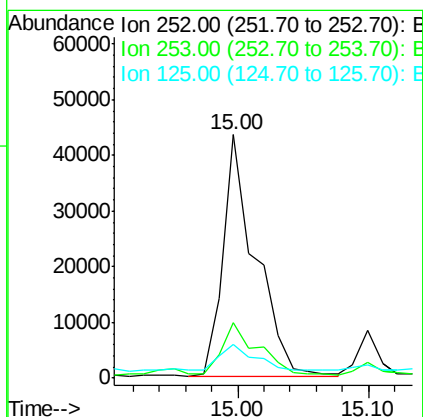
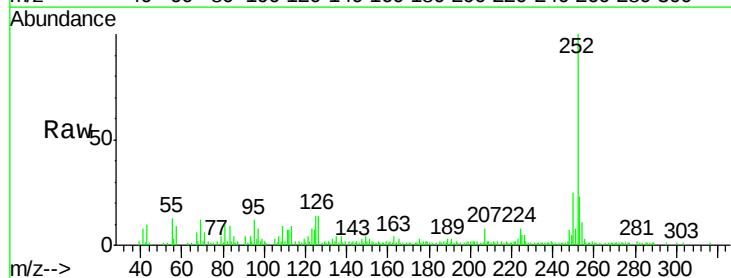
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-12A

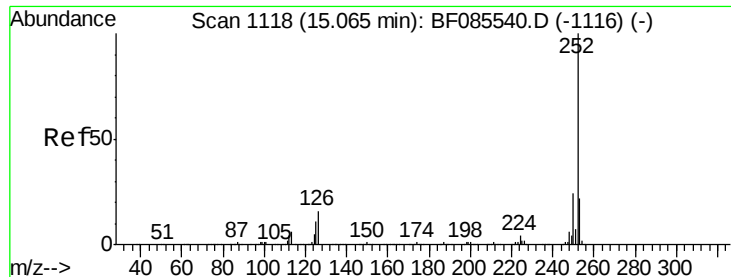
Tgt Ion: 264 Resp: 241305
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 22.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.78 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF085687.D
Acq: 23 Mar 2016 5:32

Tgt Ion: 252 Resp: 75220
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 13.9 10.3 15.5





#88

Benzo(k)fluoranthene

Concen: 5.80 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.07 min

Lab File: BF085687.D

Acq: 23 Mar 2016 5:32

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-12A

Tgt Ion:252 Resp: 75220

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 13.9 7.7 11.5#

