

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072316\
 Data File : BF089258.D
 Acq On : 24 Jul 2016 4:04
 Operator : UM/SJ
 Sample : H4151-02
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Quant Time: Jul 25 01:17:06 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 19:03:15 2016
 Response via : Initial Calibration

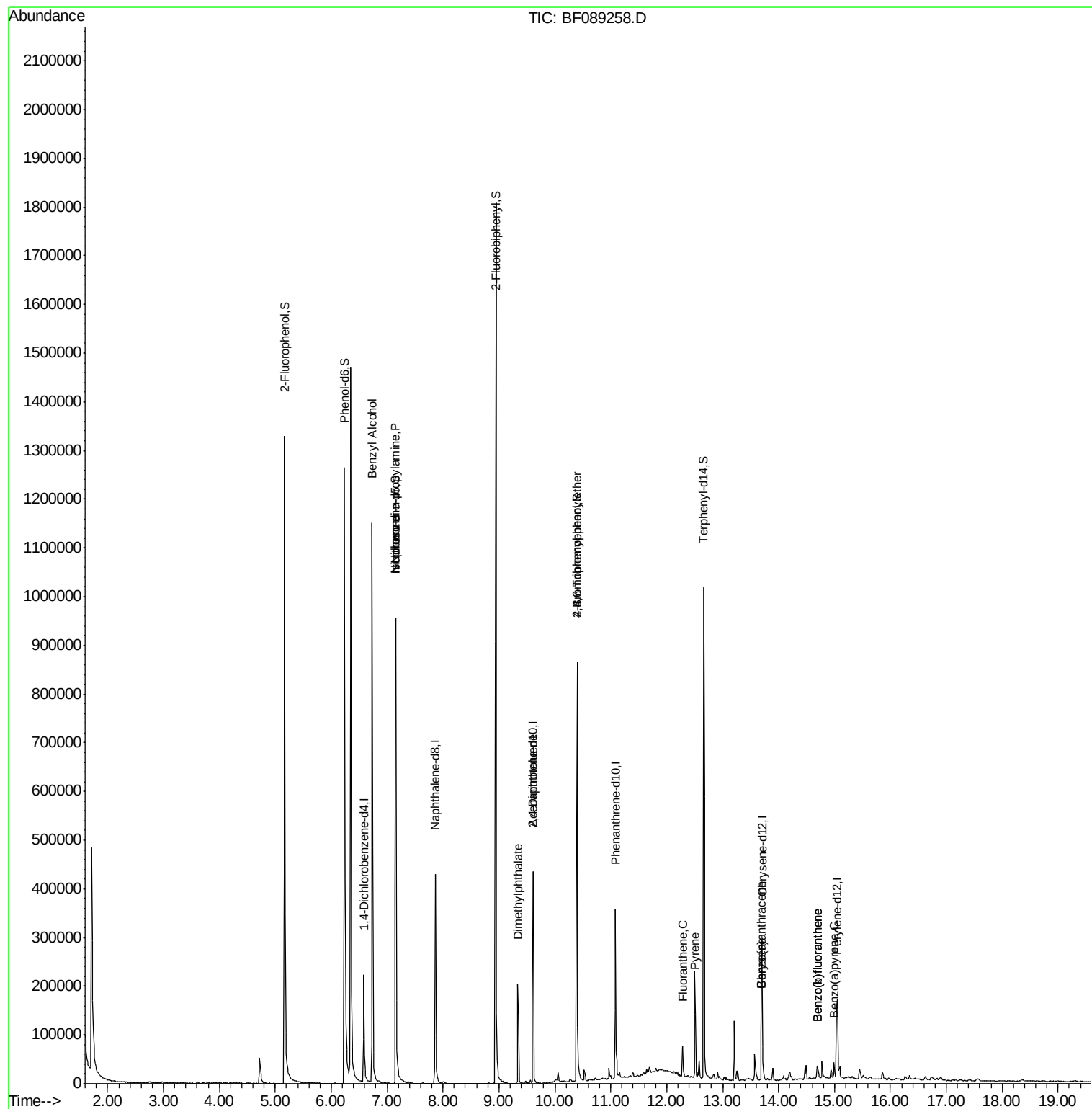
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.58	152	50485	20.00	ng	-0.02
21) Naphthalene-d8	7.86	136	219675	20.00	ng	-0.02
38) Acenaphthene-d10	9.61	164	96706	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	162384	20.00	ng	-0.02
75) Chrysene-d12	13.70	240	95690	20.00	ng	-0.02
86) Perylene-d12	15.05	264	91641	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	487775	146.94	ng	-0.02
7) Phenol-d6	6.24	99	627743	146.65	ng	-0.03
23) Nitrobenzene-d5	7.15	82	428257	103.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	113280	130.11	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	712989	101.58	ng	-0.02
78) Terphenyl-d14	12.66	244	387607	87.86	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	6.73	79	6390	2.04	ng	# 53
19) n-Nitroso-di-n-propylamine	7.15	70	57116	20.40	ng	# 79
25) Isophorone	7.15	82	320885	42.11	ng	# 66
49) Dimethylphthalate	9.34	163	117917	15.89	ng	# 98
56) 2,4-Dinitrotoluene	9.61	165	11726	5.43	ng	# 10
66) 4-Bromophenyl-phenylether	10.40	248	8951	5.57	ng	# 1
74) Fluoranthene	12.29	202	26915	2.87	ng	97
77) Pyrene	12.51	202	29170	3.69	ng	99
80) Benzo(a)anthracene	13.69	228	17292	2.84	ng	# 88
82) Chrysene	13.69	228	17292	2.97	ng	# 91
87) Benzo(b)fluoranthene	14.70	252	23121	3.48	ng	99
88) Benzo(k)fluoranthene	14.70	252	23121	4.87	ng	# 93
89) Benzo(a)pyrene	14.99	252	16242	3.15	ng	96

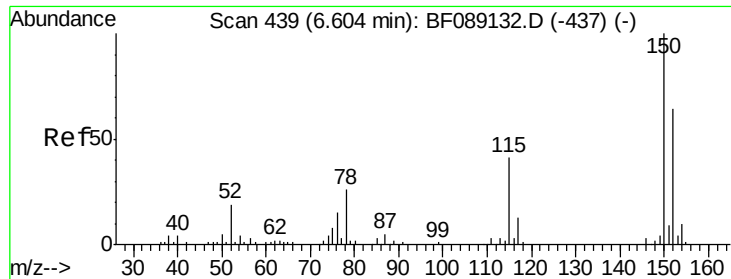
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.58 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

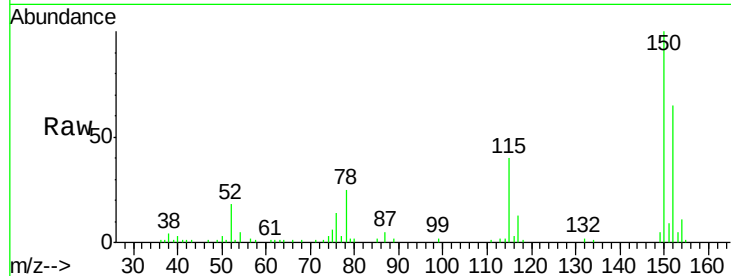
Tgt Ion:152 Resp: 50485

Ion Ratio Lower Upper

152 100

150 153.7 125.1 187.7

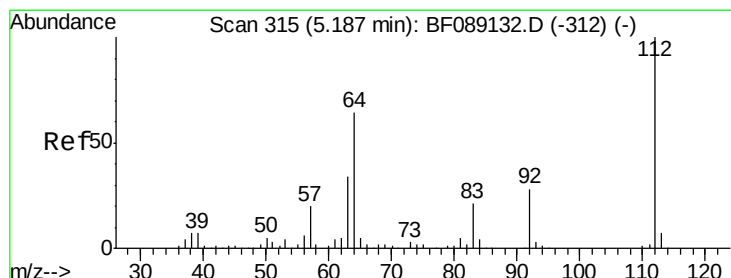
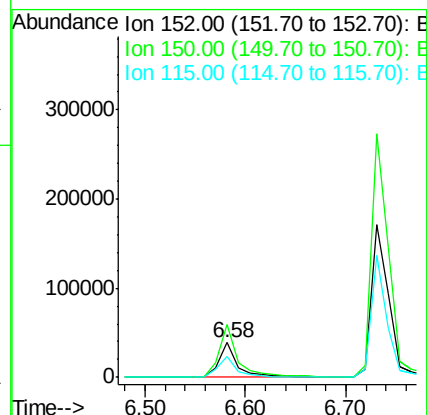
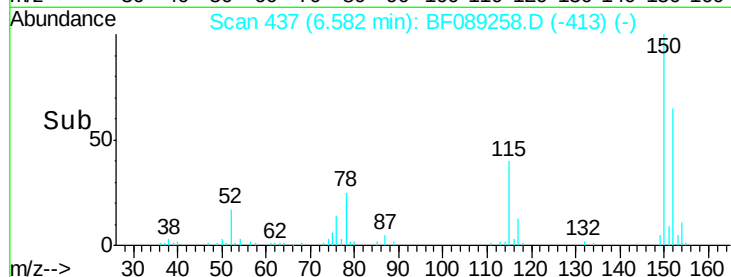
115 60.8 51.1 76.7



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: 146.94 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.02 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

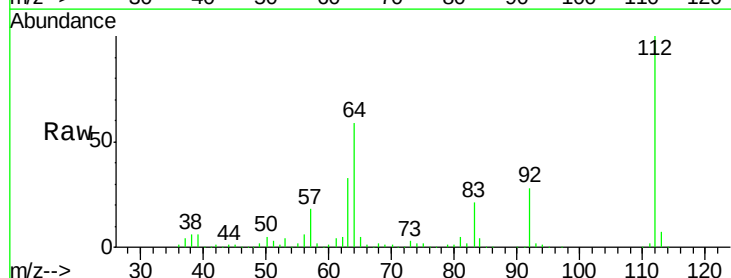
Tgt Ion:112 Resp: 487775

Ion Ratio Lower Upper

112 100

64 59.0 51.0 76.4

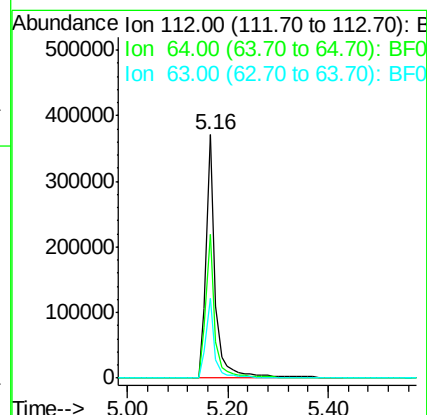
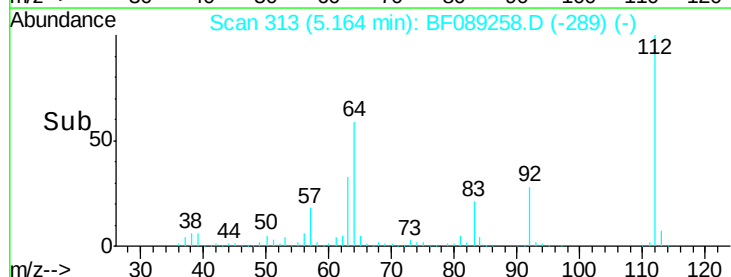
63 32.5 27.3 40.9

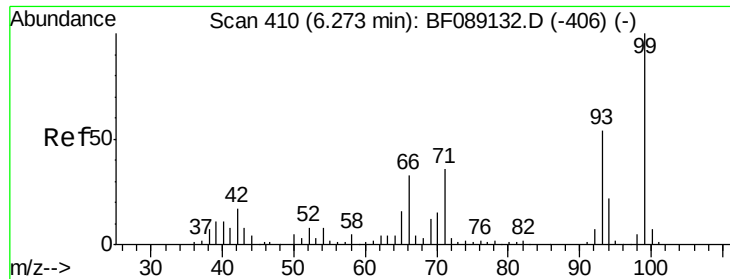


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 146.65 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

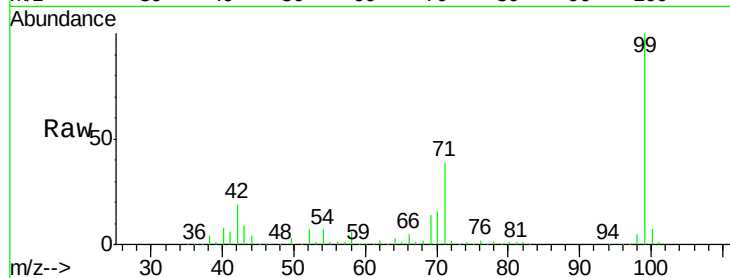
Tgt Ion: 99 Resp: 627743

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

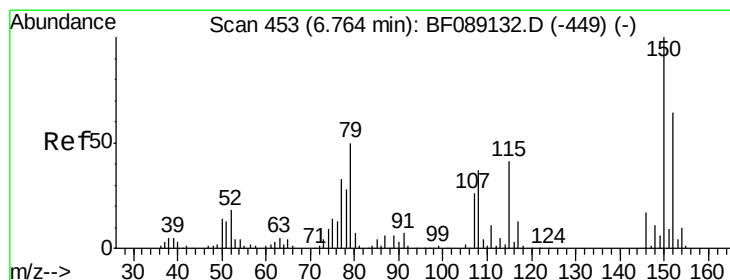
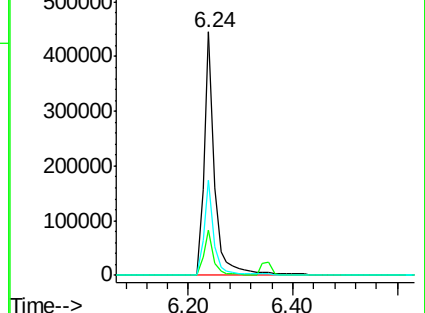
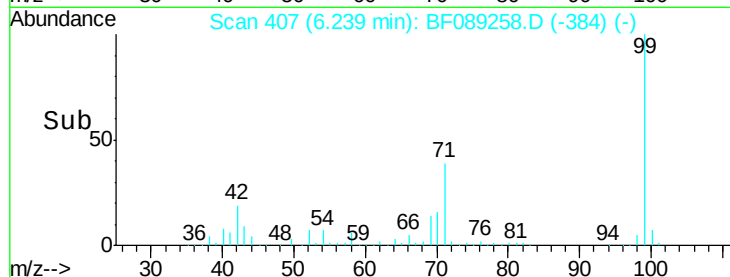
71 39.0 28.9 43.3



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



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

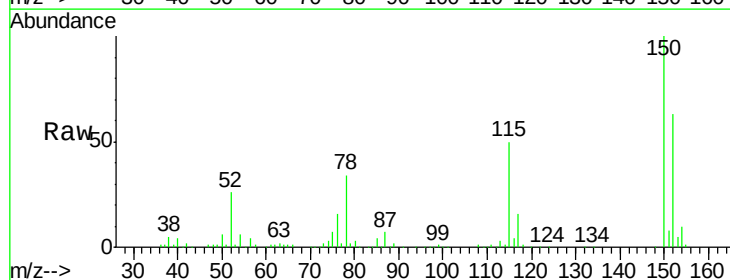
Tgt Ion: 79 Resp: 6390

Ion Ratio Lower Upper

79 100

108 26.5 58.2 87.4#

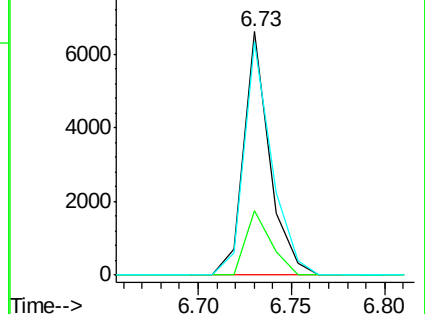
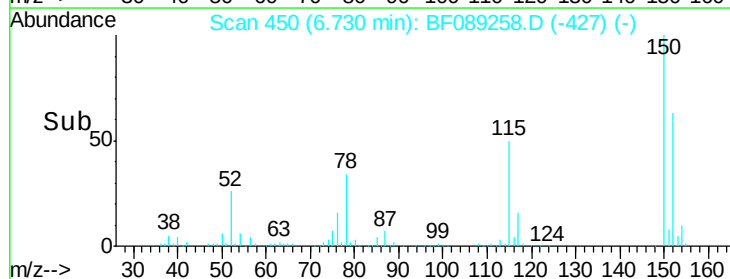
77 95.8 52.2 78.4#

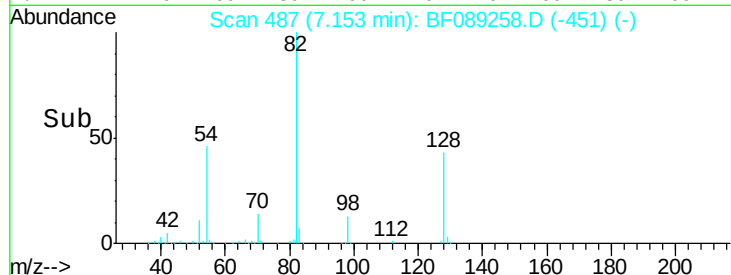
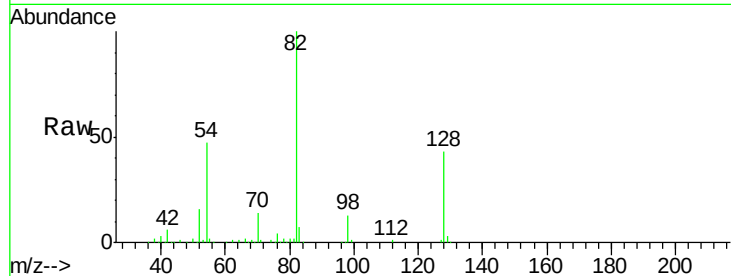
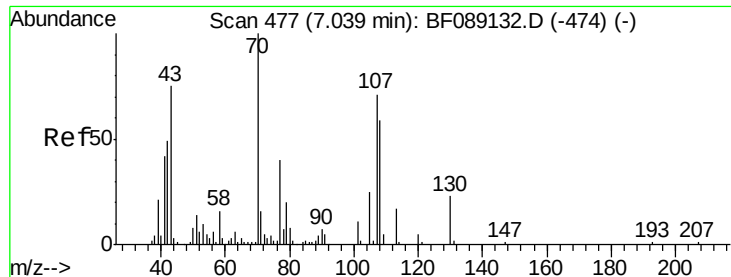


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

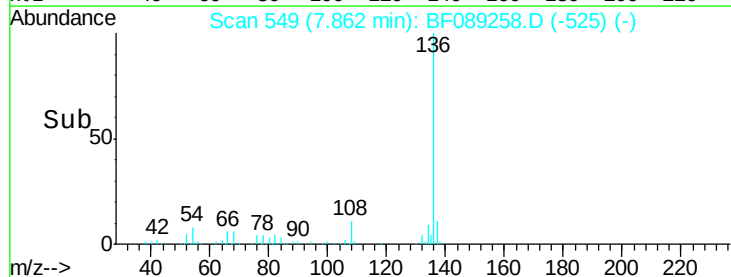
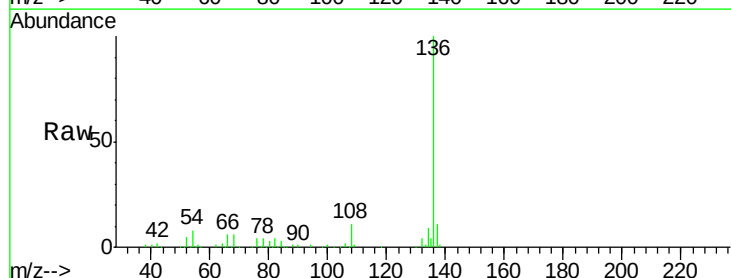
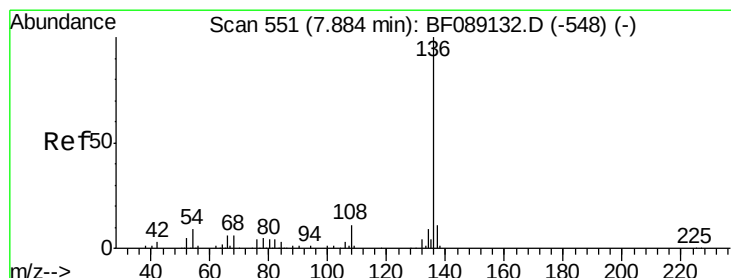
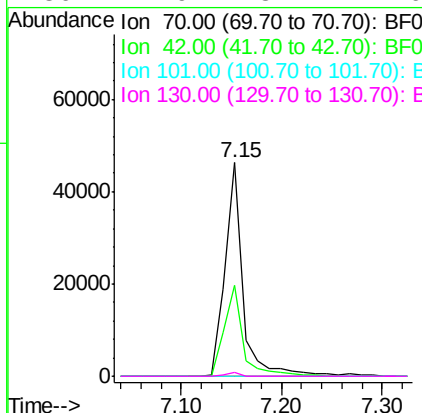




#19
n-Nitroso-di-n-propylamine
Concen: 20.40 ng
RT: 7.15 min Scan# 487
Delta R.T. 0.11 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

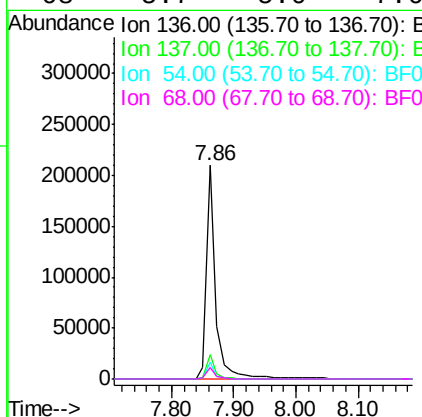
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

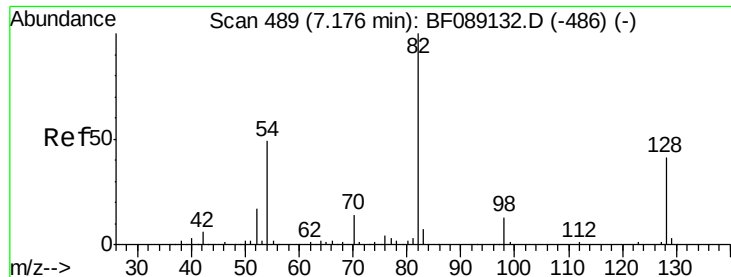
Tgt Ion: 70 Resp: 57116
Ion Ratio Lower Upper
70 100
42 42.7 39.2 58.8
101 0.0 8.5 12.7#
130 1.9 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.02 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Tgt Ion: 136 Resp: 219675
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 7.0 10.4
68 5.7 5.0 7.6

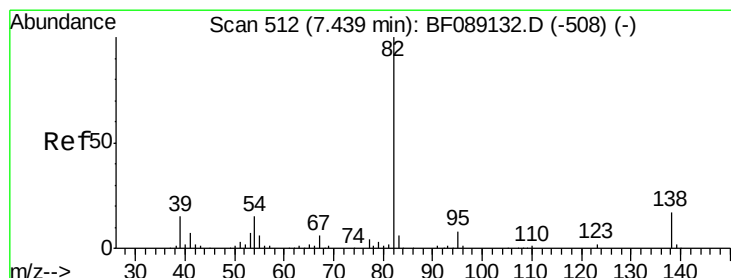
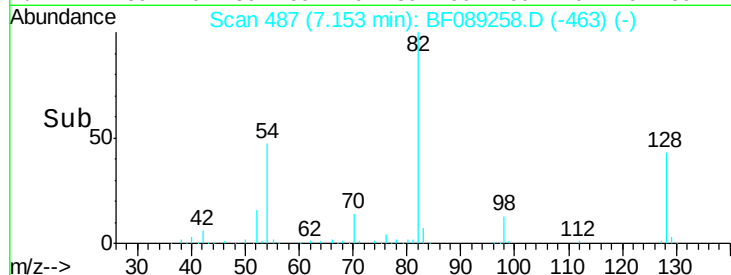
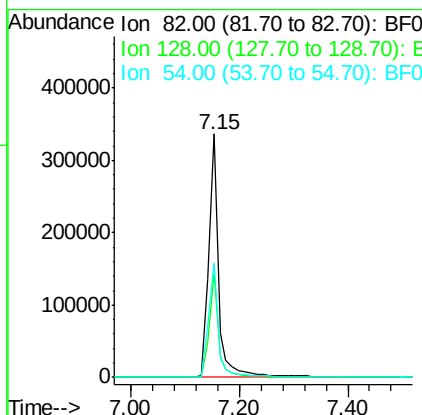
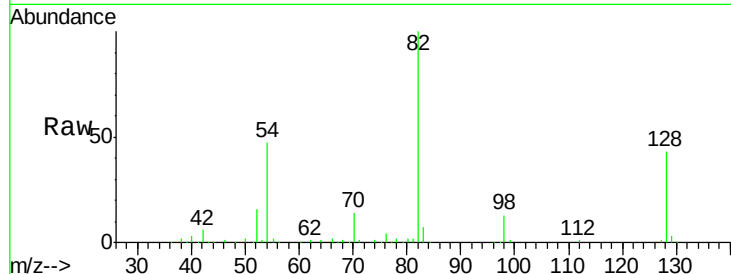




#23
 Nitrobenzene-d5
 Concen: 103.58 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.02 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

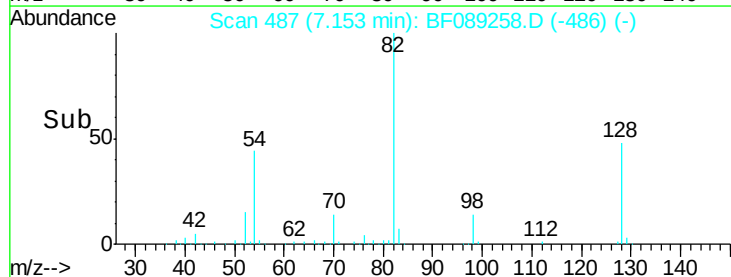
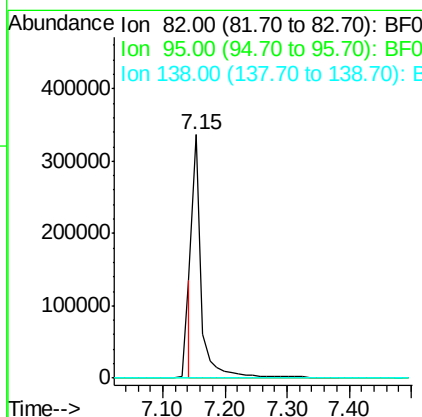
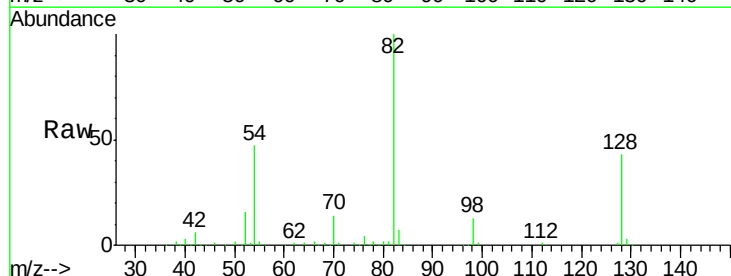
Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

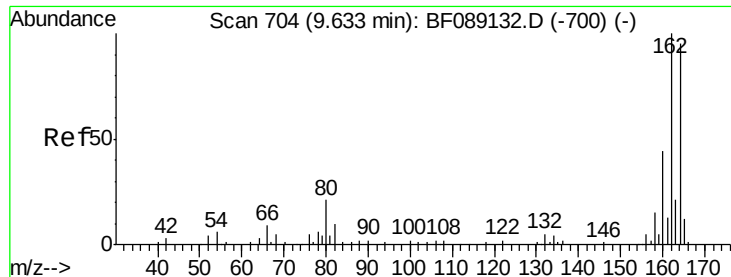
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.0	49.6
54	47.1	39.0	58.4



#25
 Isophorone
 Concen: 42.11 ng
 RT: 7.15 min Scan# 487
 Delta R.T. -0.29 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.1	9.1#
138	0.0	13.6	20.4#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

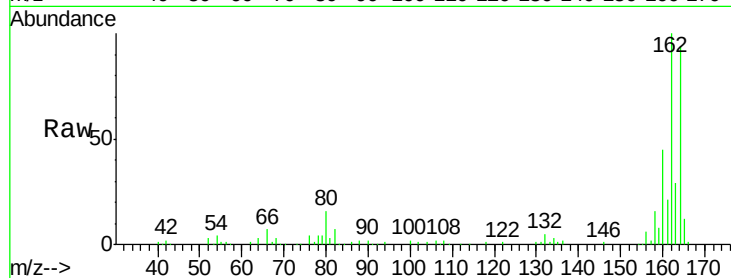
Tgt Ion:164 Resp: 96706

Ion Ratio Lower Upper

164 100

162 106.3 84.1 126.1

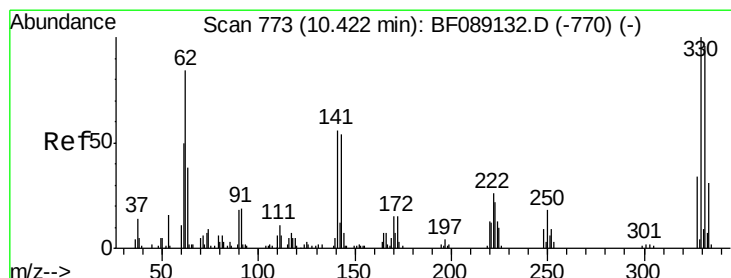
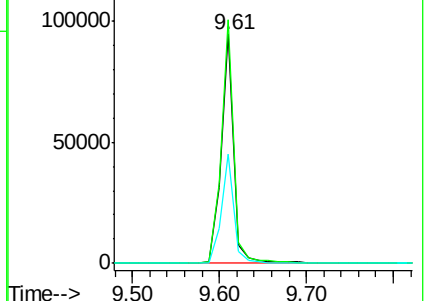
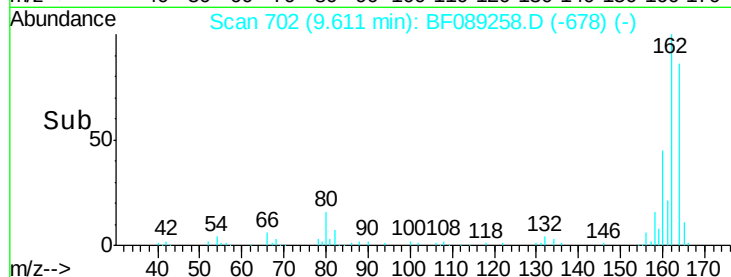
160 47.7 37.1 55.7



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: 130.11 ng

RT: 10.40 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

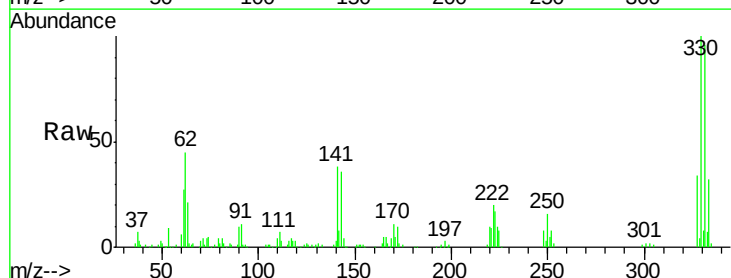
Tgt Ion:330 Resp: 113280

Ion Ratio Lower Upper

330 100

332 96.5 77.2 115.8

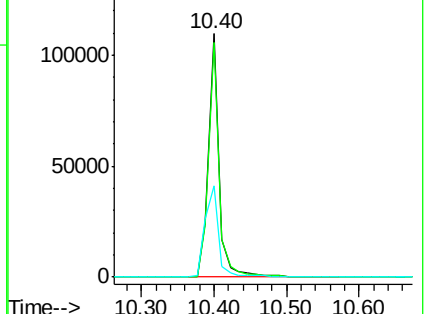
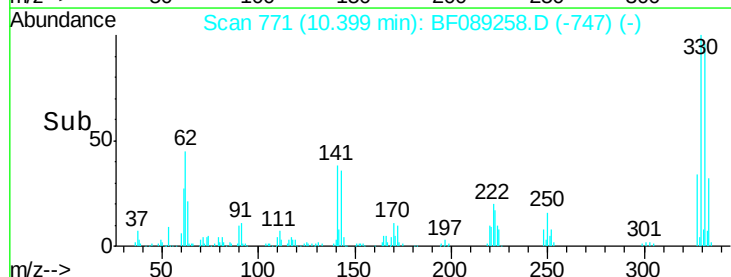
141 47.3 42.2 63.2

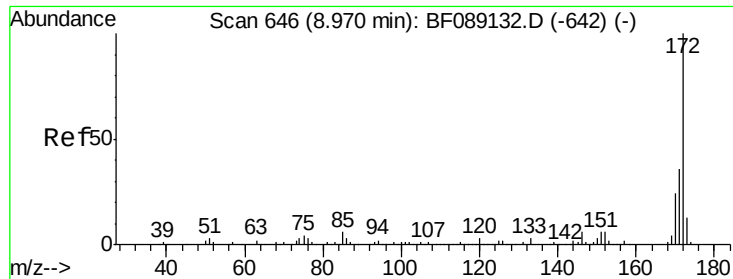


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

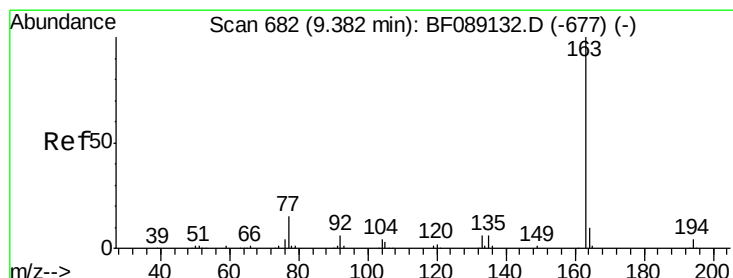
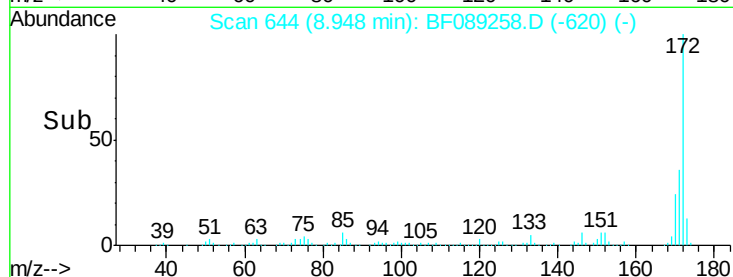
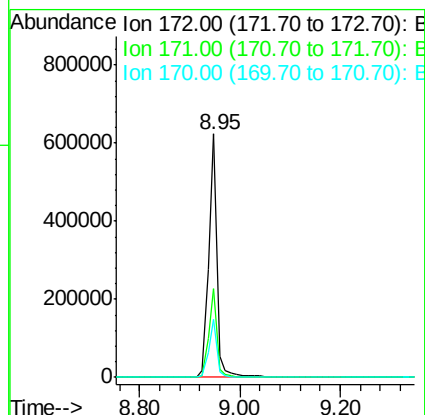
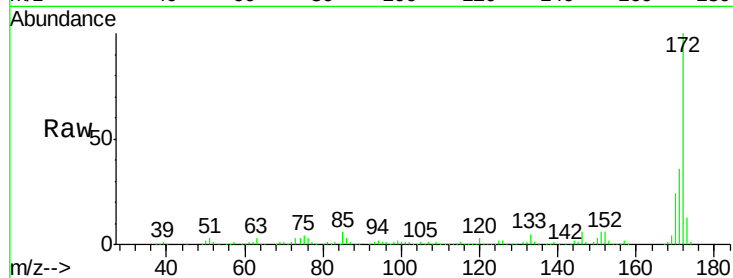




#44
 2-Fluorobiphenyl
 Concen: 101.58 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.02 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

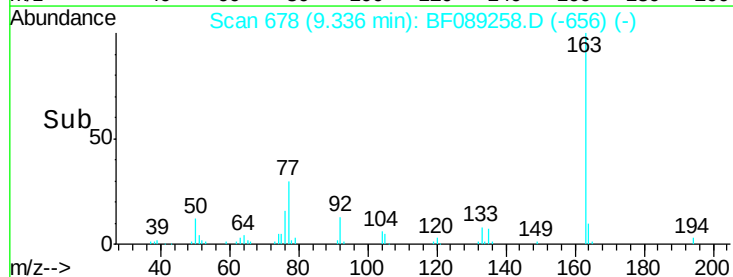
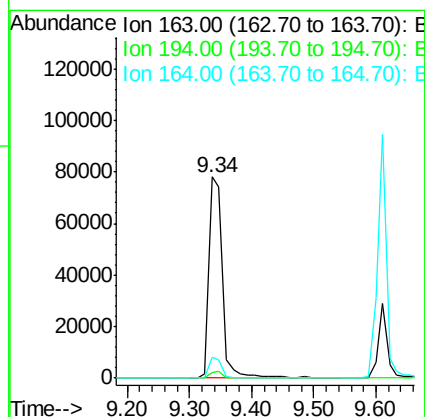
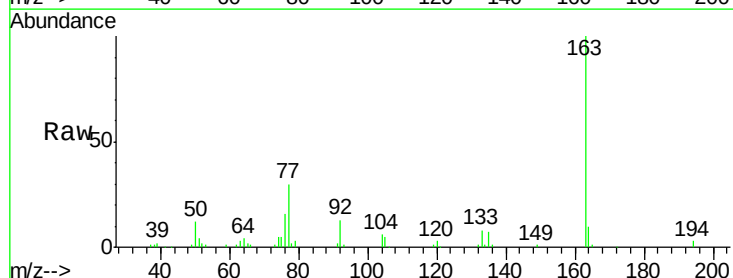
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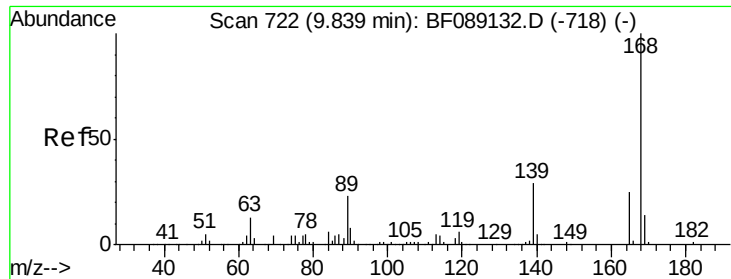
Tgt Ion:172 Resp: 712989
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.2 43.8
 170 23.7 19.1 28.7



#49
 Dimethylphthalate
 Concen: 15.89 ng
 RT: 9.34 min Scan# 678
 Delta R.T. -0.05 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Tgt Ion:163 Resp: 117917
 Ion Ratio Lower Upper
 163 100
 194 2.7 2.9 4.3#
 164 10.3 7.6 11.4

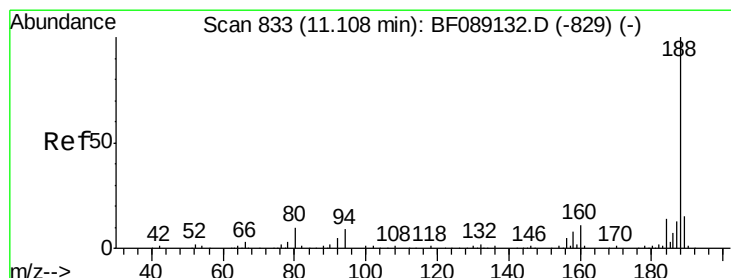
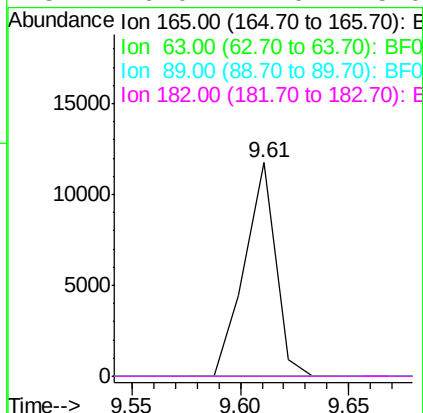
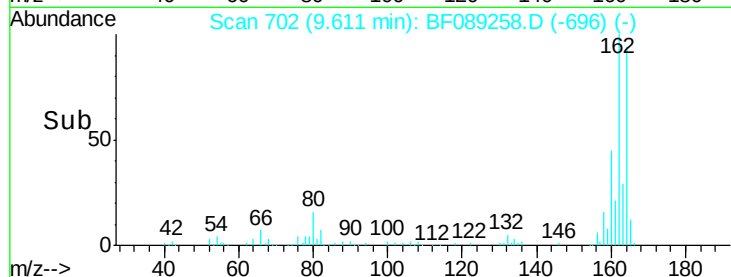
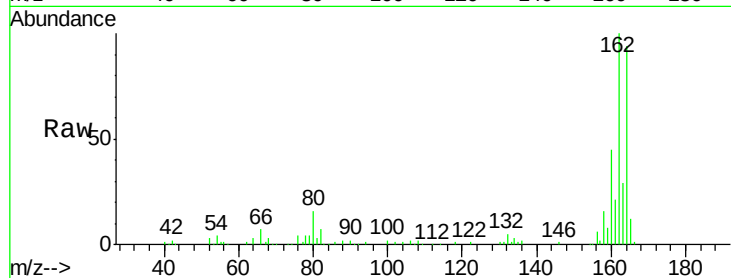




#56
2,4-Dinitrotoluene
Concen: 5.43 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.23 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

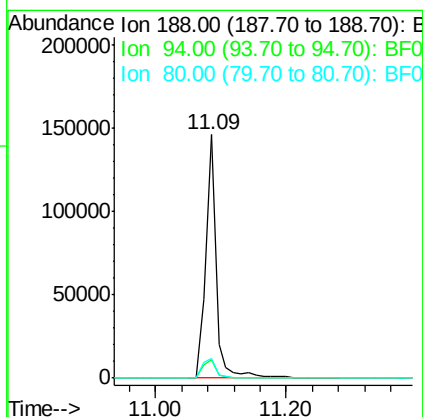
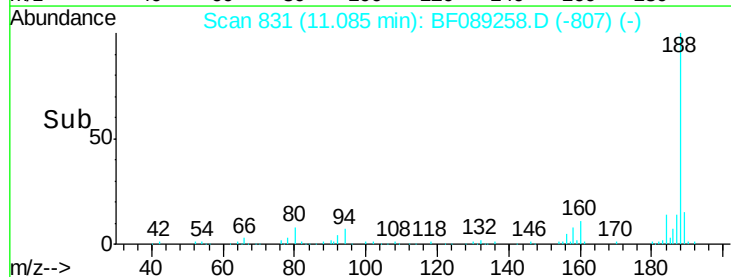
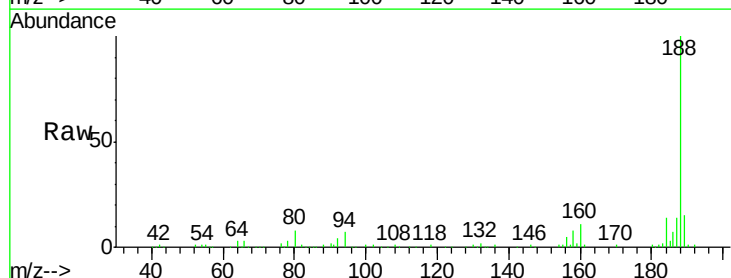
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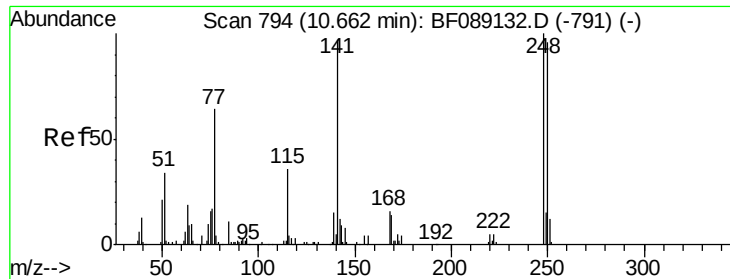
Tgt Ion:165 Resp: 11726
Ion Ratio Lower Upper
165 100
63 0.0 55.4 83.2#
89 0.0 74.3 111.5#
182 0.0 2.0 3.0#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Tgt Ion:188 Resp: 162384
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.4
80 8.1 7.7 11.5

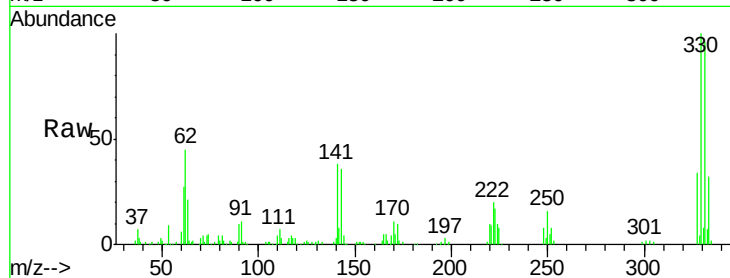




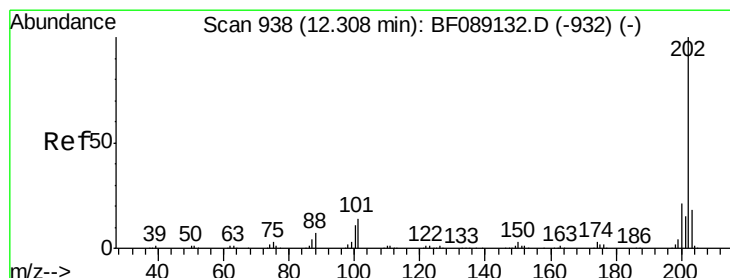
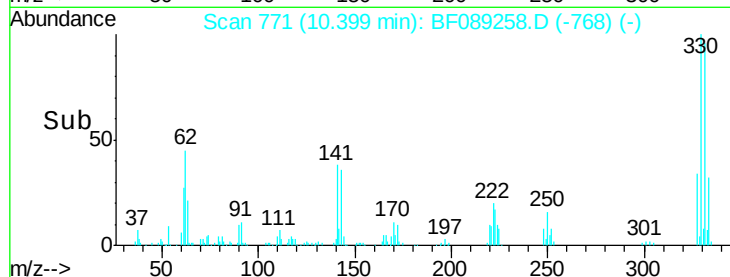
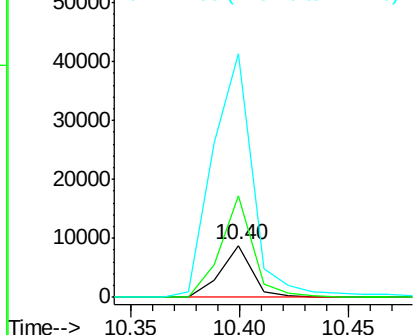
#66
 4-Bromophenyl-phenylether
 Concen: 5.57 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.26 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tgt Ion:248 Resp: 8951
 Ion Ratio Lower Upper
 248 100
 250 194.3 76.9 115.3#
 141 468.4 77.4 116.2#

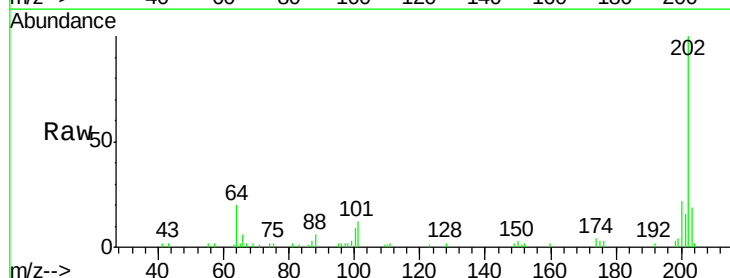


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

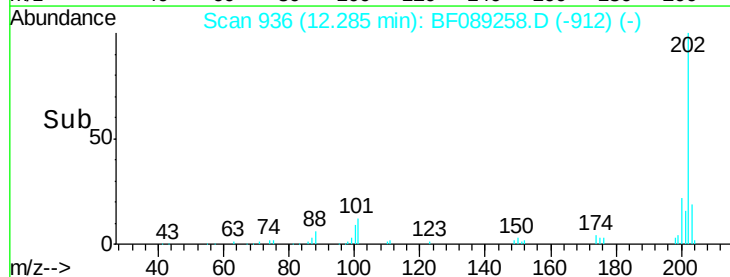
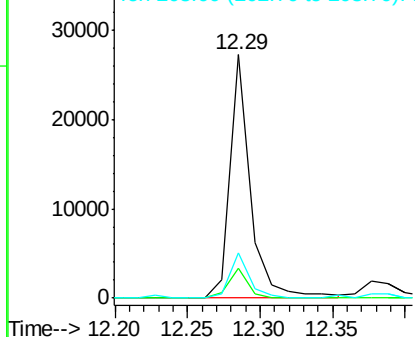


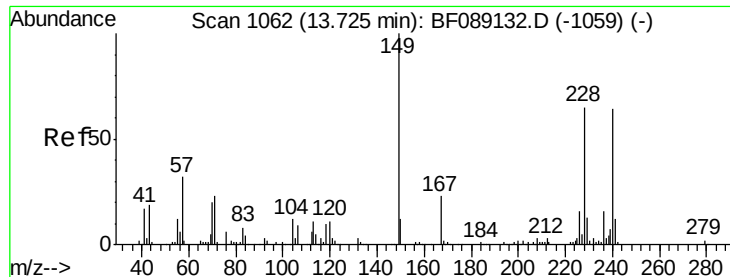
#74
 Fluoranthene
 Concen: 2.87 ng
 RT: 12.29 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Tgt Ion:202 Resp: 26915
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 34.0
 203 18.6 0.0 37.8



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: 13.70 min Scan# 1060

Delta R.T. -0.02 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

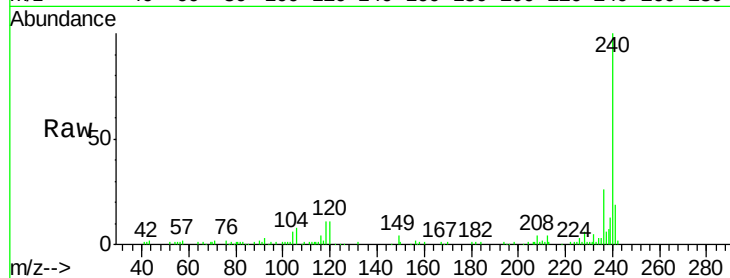
Tgt Ion:240 Resp: 95690

Ion Ratio Lower Upper

240 100

120 11.5 13.6 20.4#

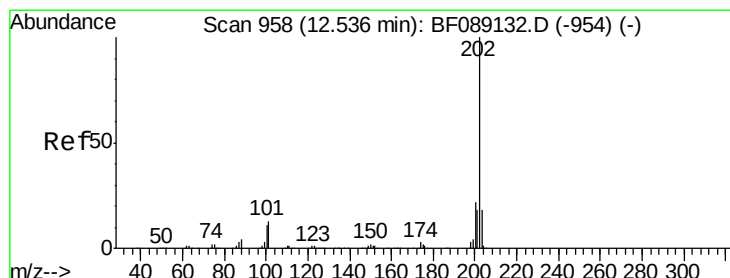
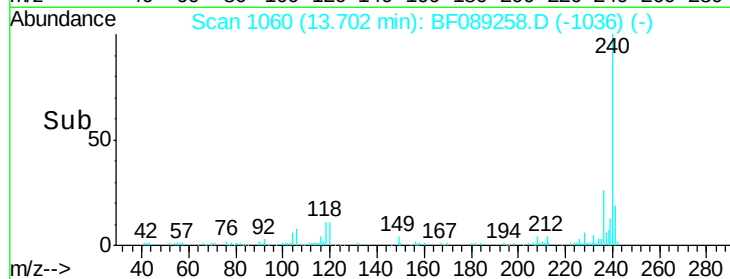
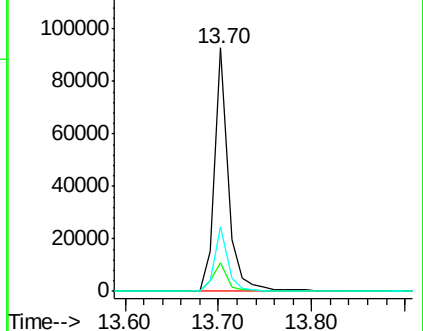
236 26.4 20.5 30.7



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: 3.69 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

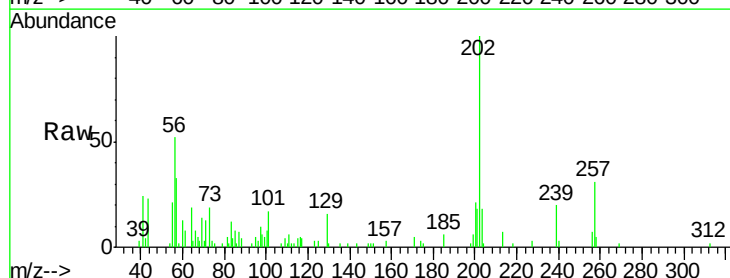
Tgt Ion:202 Resp: 29170

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.0

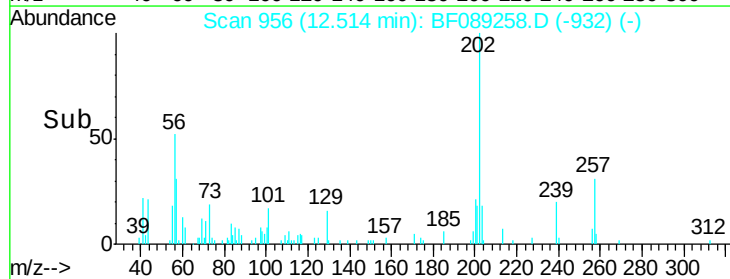
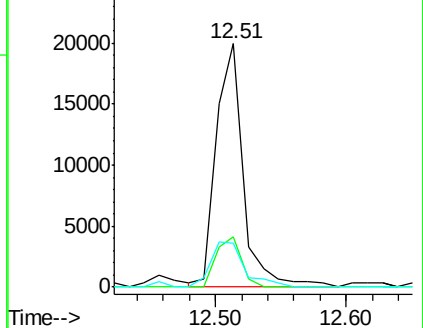
203 18.1 14.2 21.2

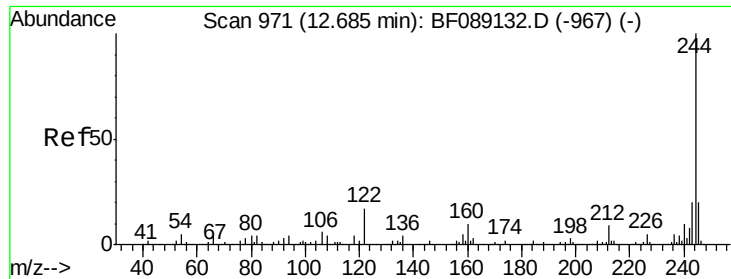


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

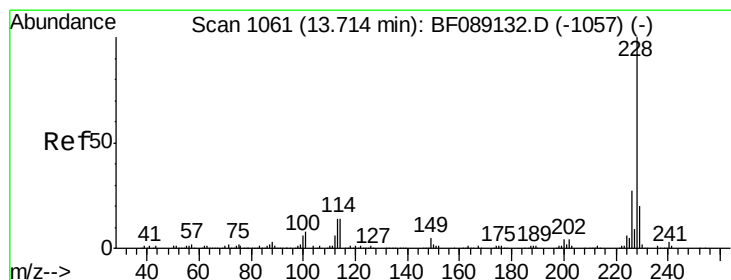
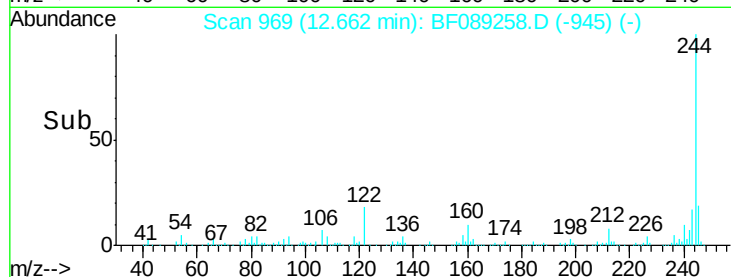
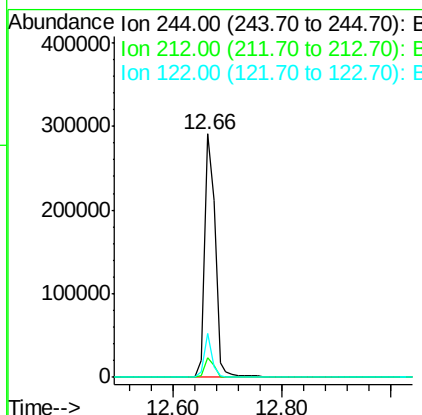
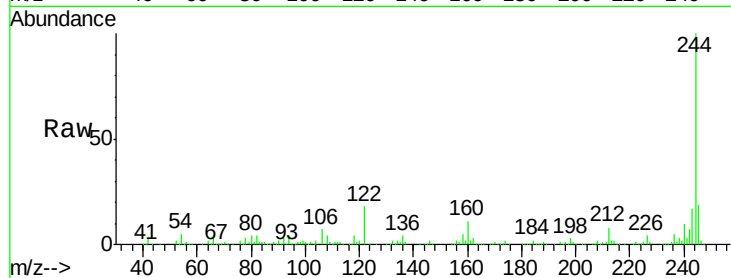




#78
 Terphenyl-d14
 Concen: 87.86 ng
 RT: 12.66 min Scan# 969
 Delta R.T. -0.02 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

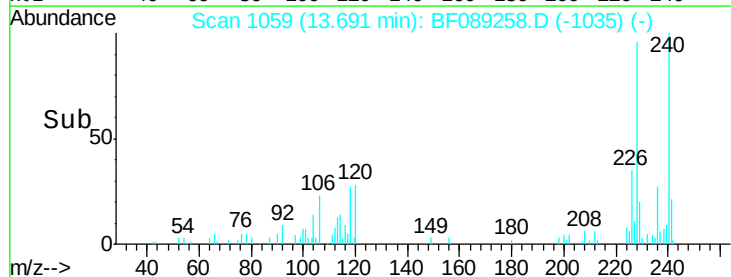
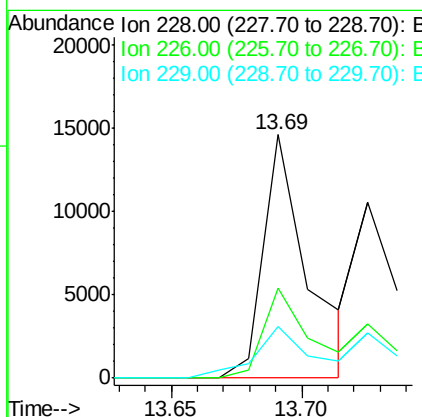
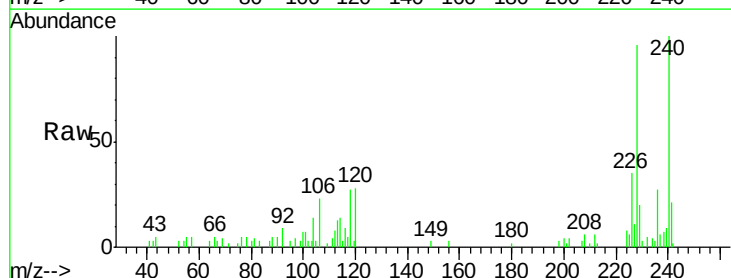
Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

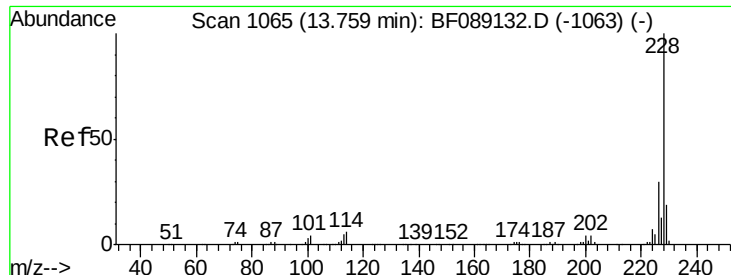
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.0	10.4
122	17.9	13.8	20.8



#80
 Benzo(a)anthracene
 Concen: 2.84 ng
 RT: 13.69 min Scan# 1059
 Delta R.T. -0.02 min
 Lab File: BF089258.D
 Acq: 24 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.8	21.8	32.8#
229	21.0	15.8	23.8





#82

Chrysene

Concen: 2.97 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.07 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

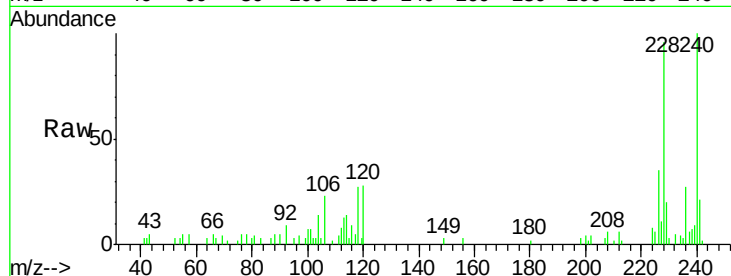
Tgt Ion:228 Resp: 17292

Ion Ratio Lower Upper

228 100

226 36.8 23.8 35.8#

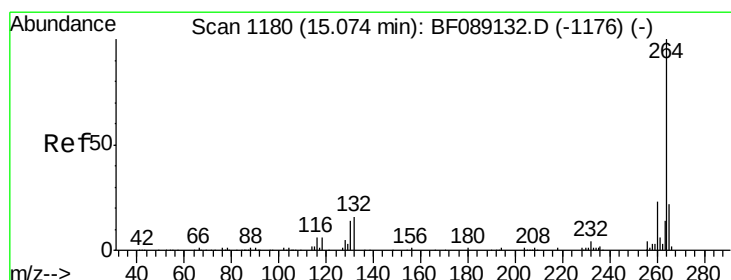
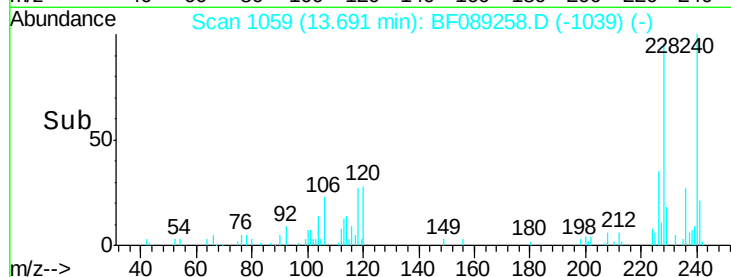
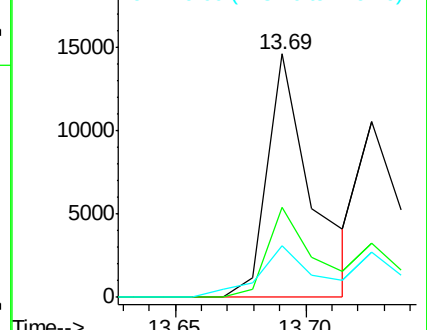
229 21.0 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.05 min Scan# 1178

Delta R.T. -0.02 min

Lab File: BF089258.D

Acq: 24 Jul 2016 4:04

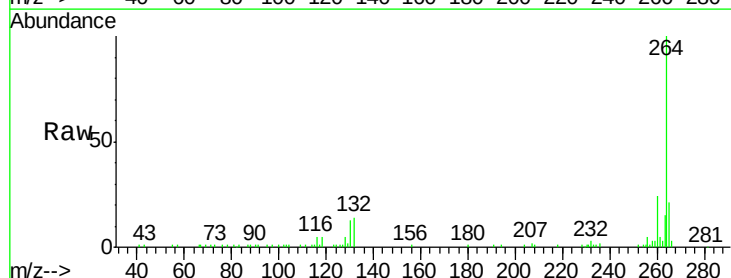
Tgt Ion:264 Resp: 91641

Ion Ratio Lower Upper

264 100

260 23.5 18.5 27.7

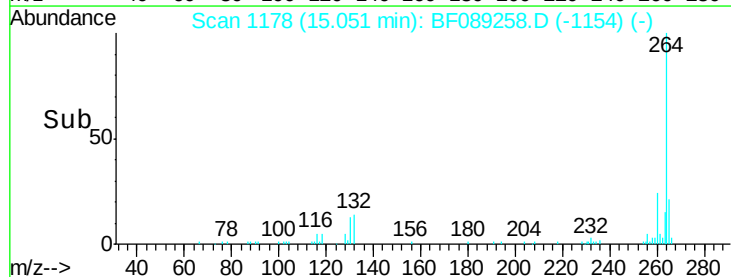
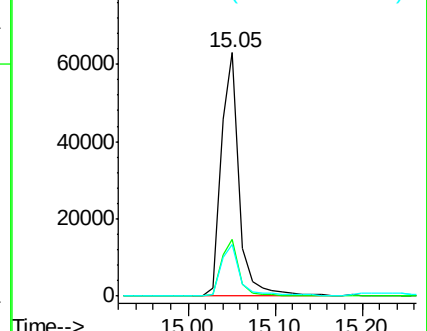
265 21.3 17.3 25.9

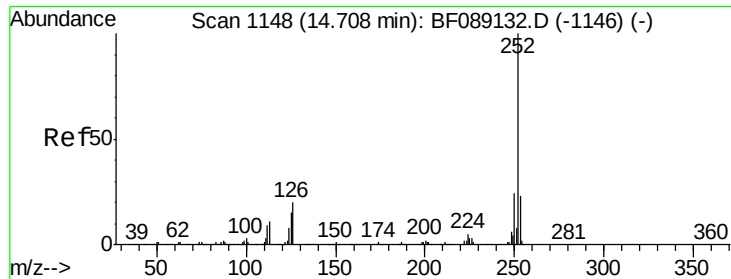


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

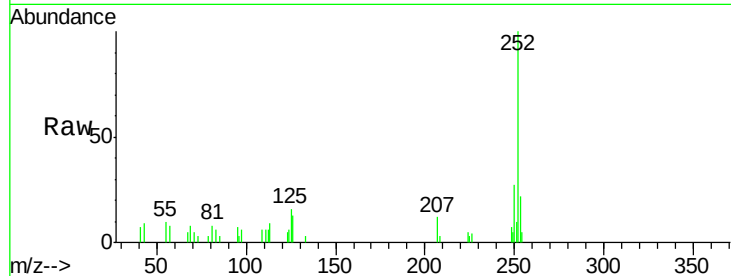




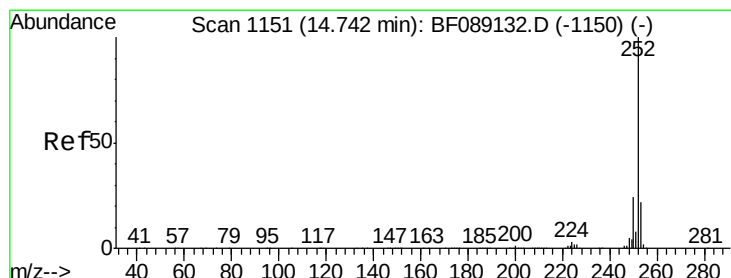
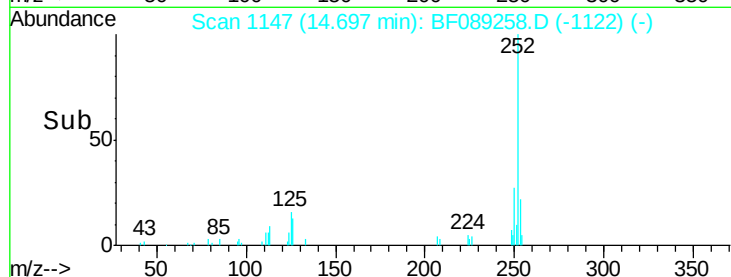
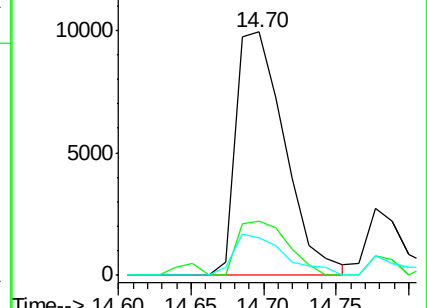
#87
Benzo(b)fluoranthene
Concen: 3.48 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	15.6	11.9	17.9

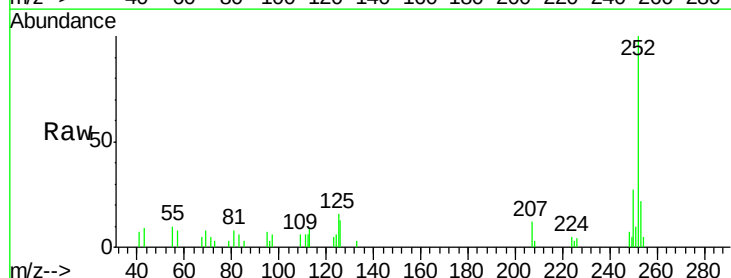


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

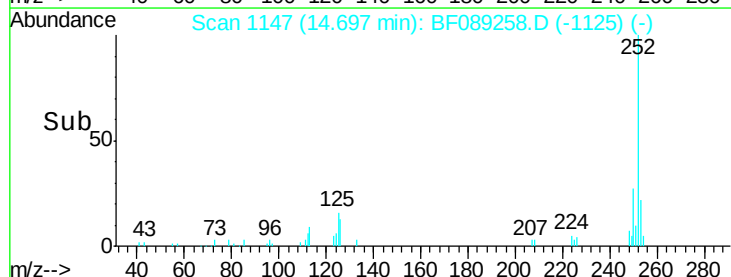
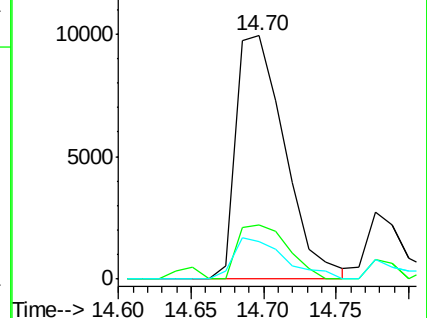


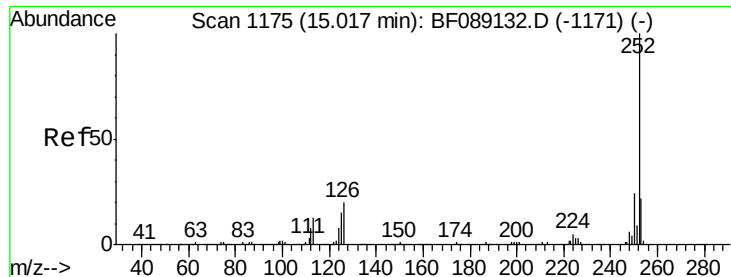
#88
Benzo(k)fluoranthene
Concen: 4.87 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF089258.D
Acq: 24 Jul 2016 4:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	15.6	6.3	9.5#



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





#89

Benzo(a)pyrene

Concen: 3.15 ng

RT: 14.99 min Scan# 1173

Delta R.T. -0.02 min

Lab File: BF089258.D

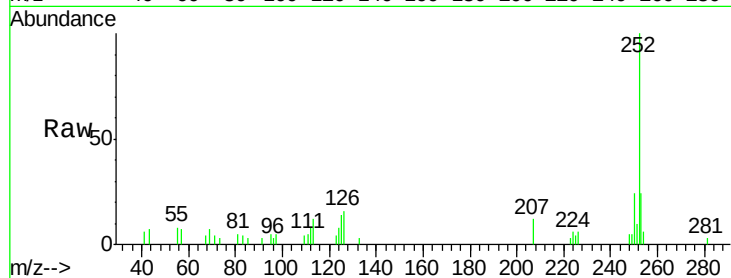
Acq: 24 Jul 2016 4:04

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP



Tgt Ion: 252 Resp: 16242

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 13.8 12.4 18.6

