

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088419.D
 Acq On : 26 Jun 2016 15:35
 Operator : UM/SJ
 Sample : H3644-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-2

Quant Time: Jun 27 03:54:54 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

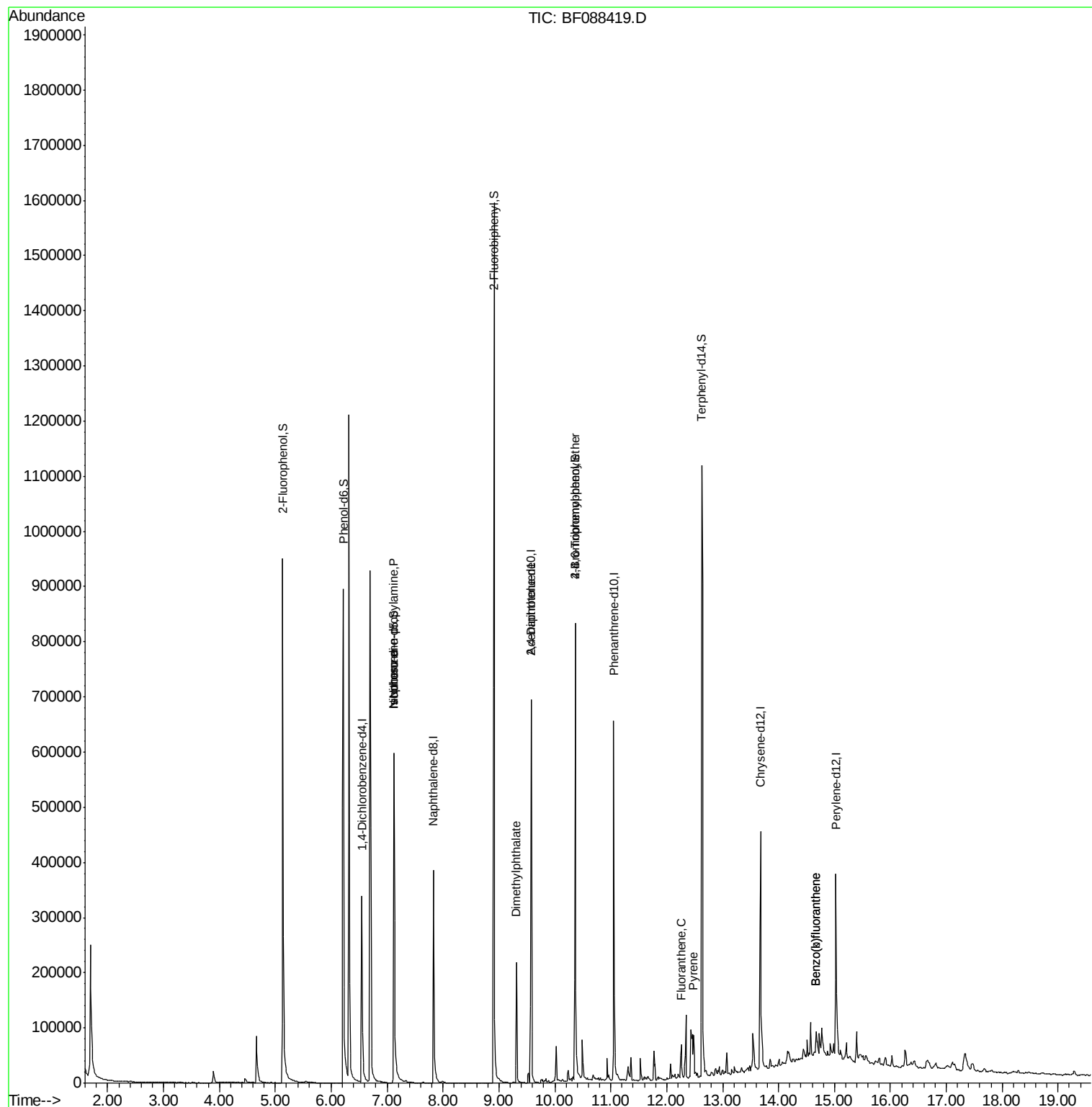
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	72203	20.00	ng	-0.06
21) Naphthalene-d8	7.83	136	301716	20.00	ng	-0.07
38) Acenaphthene-d10	9.58	164	145765	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	273609	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	185722	20.00	ng	-0.07
86) Perylene-d12	15.03	264	158343	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	373607	88.46	ng	-0.05
7) Phenol-d6	6.22	99	516229	100.85	ng	-0.05
23) Nitrobenzene-d5	7.12	82	295807	57.25	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	112266	72.94	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	638630	67.70	ng	-0.06
78) Terphenyl-d14	12.63	244	526636	64.53	ng	-0.07
Target Compounds						
10) Phenol	6.23	94	2344	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.12	70	36556	11.16	ng	# 72
25) Isophorone	7.12	82	303911	31.75	ng	# 65
45) 1,1'-Biphenyl	8.91	154	1099	Below Cal	#	1
49) Dimethylphthalate	9.31	163	99187	9.39	ng	99
56) 2,4-Dinitrotoluene	9.58	165	17831	5.74	ng	# 36
57) Fluorene	10.12	166	536	Below Cal	#	79
66) 4-Bromophenyl-phenylether	10.36	248	7002	2.39	ng	# 1
74) Fluoranthene	12.26	202	37691	2.49	ng	97
77) Pyrene	12.48	202	38515	2.79	ng	99
87) Benzo(b)fluoranthene	14.67	252	30605	2.77	ng	# 88
88) Benzo(k)fluoranthene	14.67	252	30605	3.68	ng	# 94

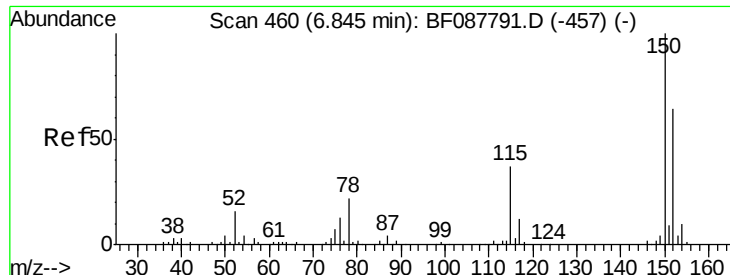
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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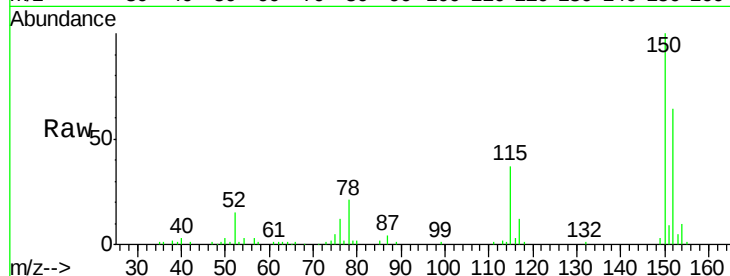


#1

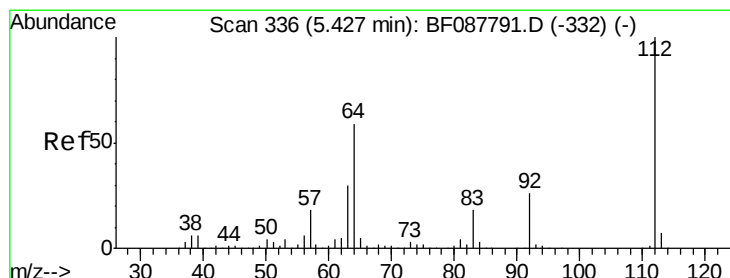
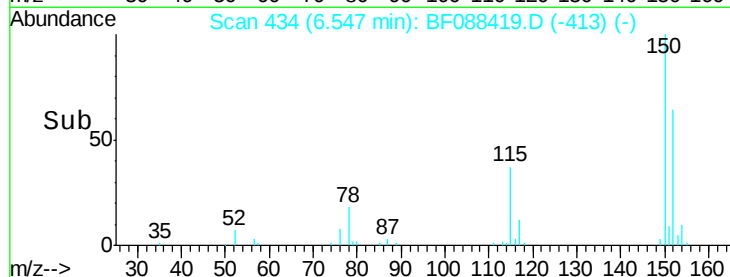
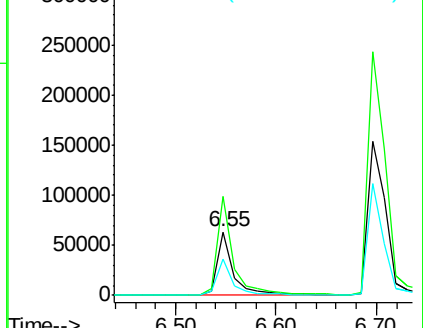
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.55 min Scan# 434
Delta R.T. -0.06 min
Lab File: BF088419.D
Acq: 26 Jun 2016 15:35

Instrument :
BNA_F
ClientSampleId :
CF-2

Tot Ion:152 Resp: 72203
Ion Ratio Lower Upper
152 100
150 155.3 123.8 185.6
115 57.4 39.6 59.4



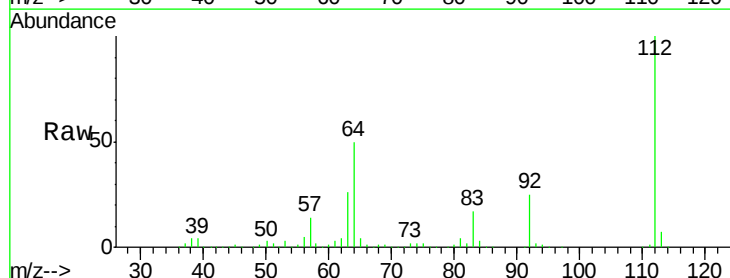
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



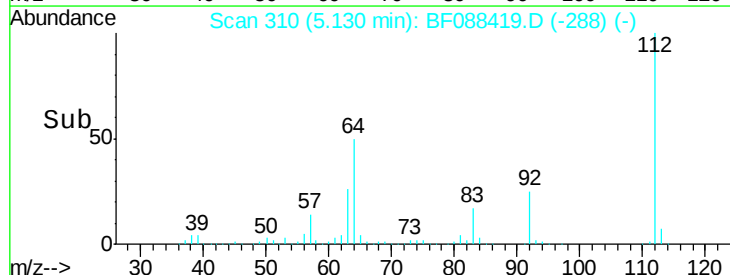
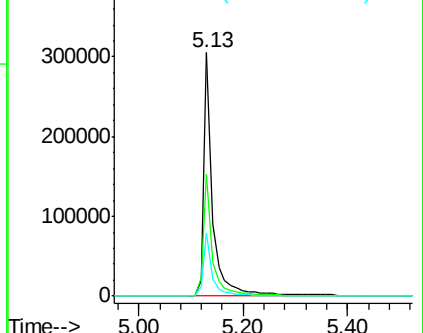
#5

2-Fluorophenol
Concen: 88.46 ng
RT: 5.13 min Scan# 310
Delta R.T. -0.05 min
Lab File: BF088419.D
Acq: 26 Jun 2016 15:35

Tgt Ion:112 Resp: 373607
Ion Ratio Lower Upper
112 100
64 50.2 42.2 63.2
63 25.9 21.8 32.8



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: 100.85 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

Instrument :

BNA_F

ClientSampled :

CF-2

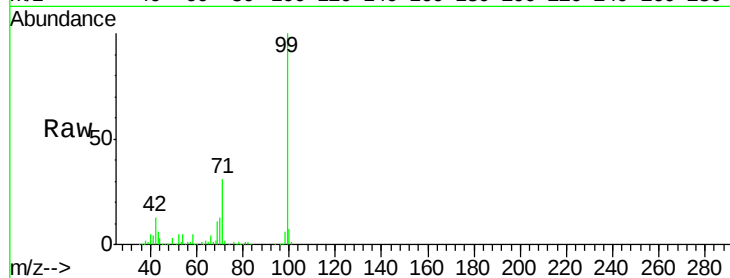
Tot Ion: 99 Resp: 516229

Ion Ratio Lower Upper

99 100

42 12.7 12.2 18.2

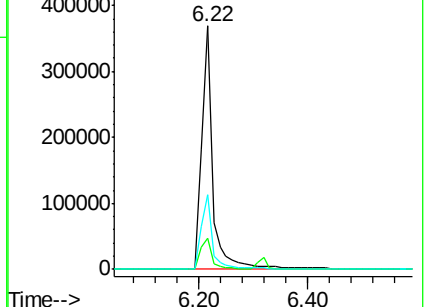
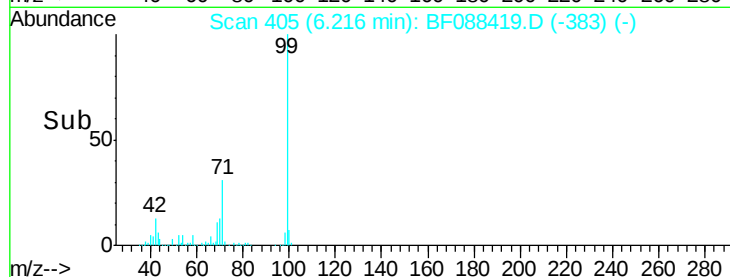
71 30.9 23.4 35.0



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



#10

Phenol

Concen: Below Cal

RT: 6.23 min Scan# 406

Delta R.T. -0.05 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

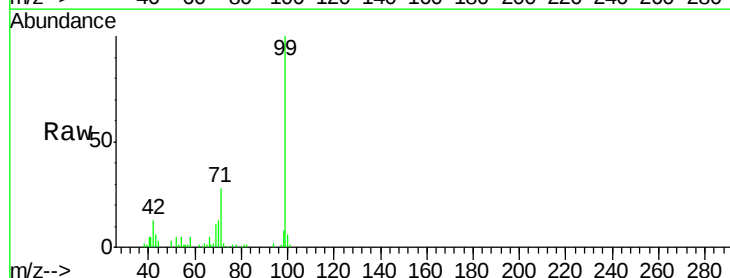
Tgt Ion: 94 Resp: 2344

Ion Ratio Lower Upper

94 100

65 55.3 5.9 45.9#

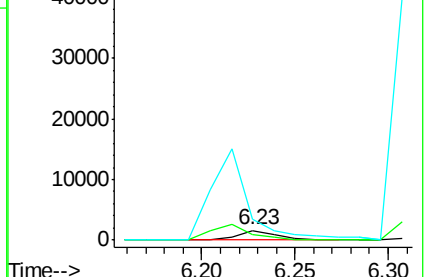
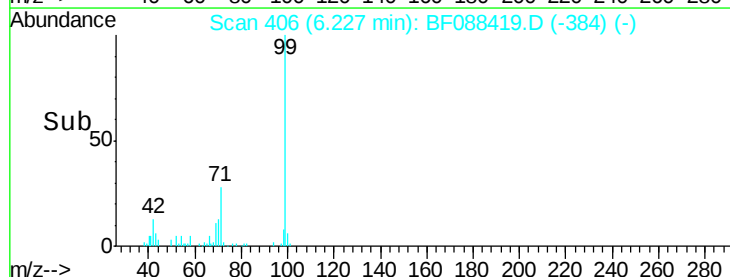
66 215.6 14.0 54.0#

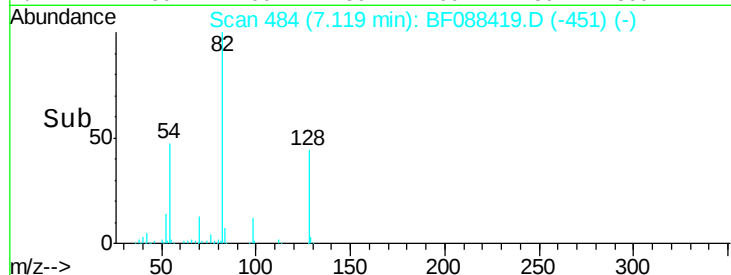
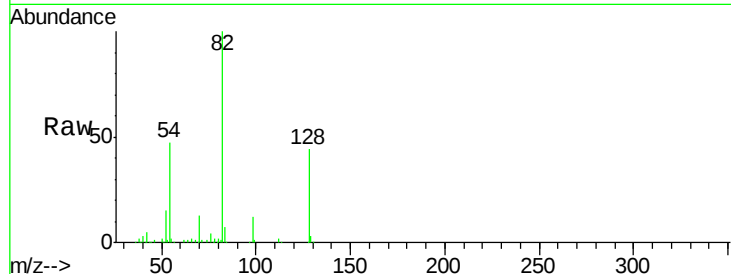


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 11.16 ng

RT: 7.12 min Scan# 484

Delta R.T. 0.08 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

Instrument :

BNA_F

ClientSampleId :

CF-2

Tot Ion: 70 Resp: 36556

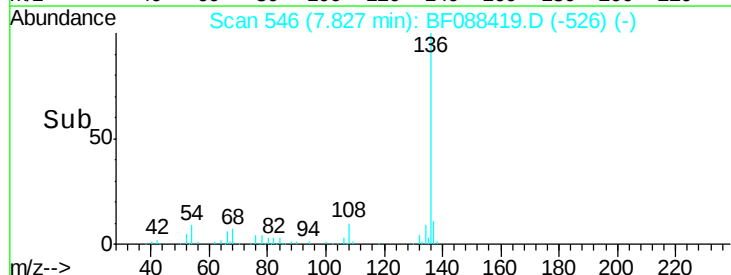
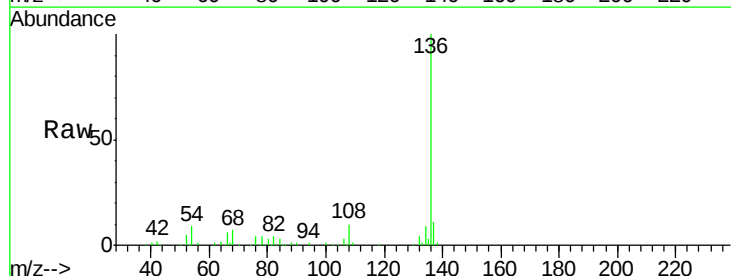
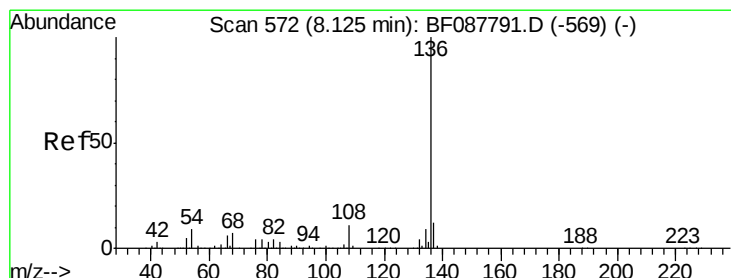
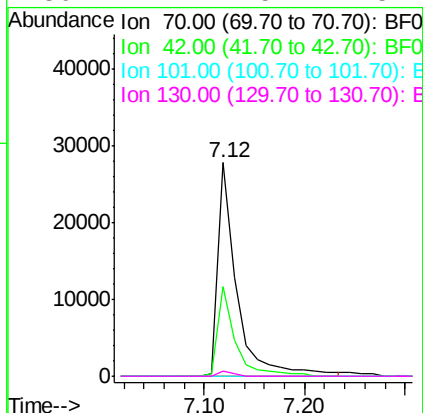
Ion Ratio Lower Upper

70 100

42 42.2 49.6 74.4#

101 0.0 7.1 10.7#

130 2.2 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 546

Delta R.T. -0.07 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

Tgt Ion:136 Resp: 301716

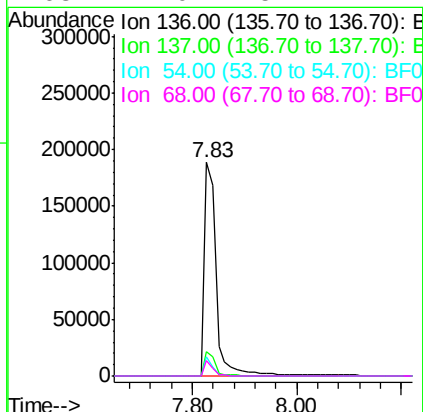
Ion Ratio Lower Upper

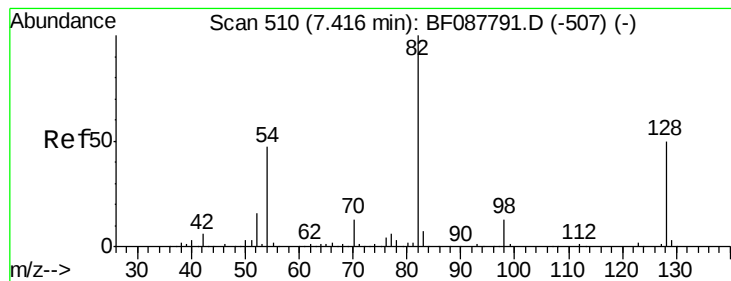
136 100

137 11.5 9.1 13.7

54 8.8 6.6 10.0

68 7.0 5.1 7.7





#23

Nitrobenzene-d5

Concen: 57.25 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

Instrument :

BNA_F

ClientSampled :

CF-2

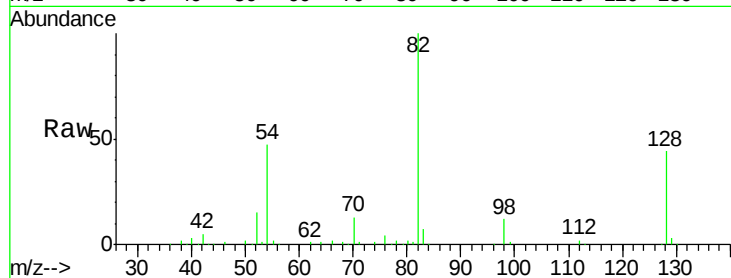
Tot Ion: 82 Resp: 295807

Ion Ratio Lower Upper

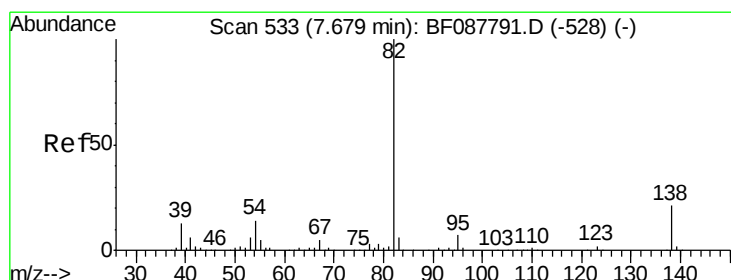
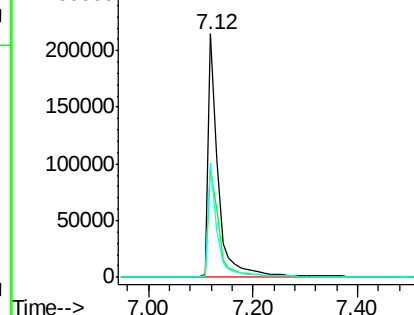
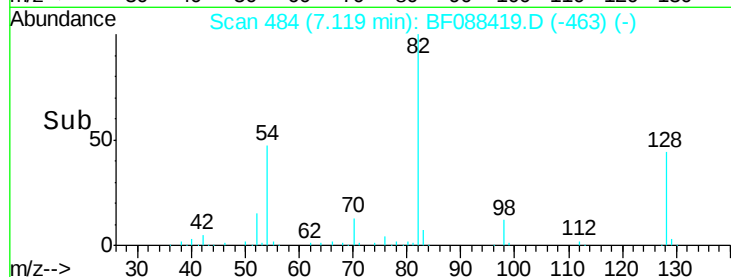
82 100

128 44.1 35.9 53.9

54 46.9 40.9 61.3



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



#25

Isophorone

Concen: 31.75 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.32 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

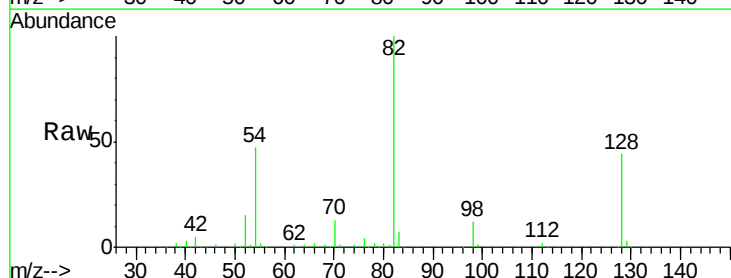
Tgt Ion: 82 Resp: 303911

Ion Ratio Lower Upper

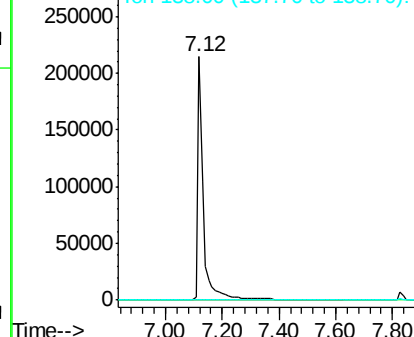
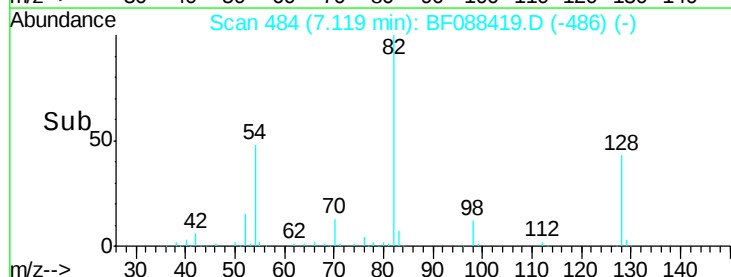
82 100

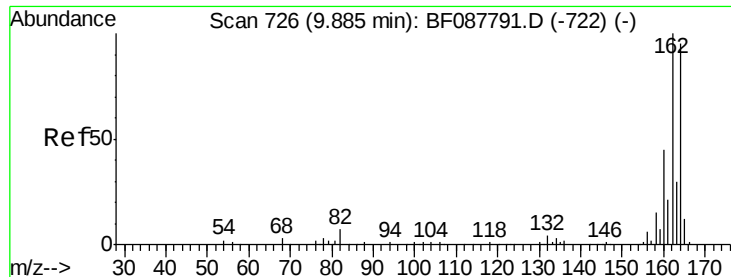
95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.07 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

Instrument :

BNA_F

ClientSampleId :

CF-2

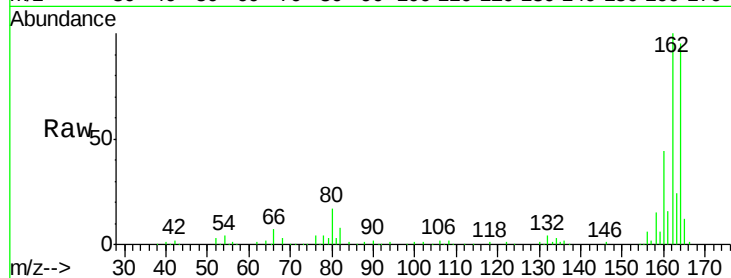
Tot Ion:164 Resp: 145765

Ion Ratio Lower Upper

164 100

162 105.6 85.4 128.2

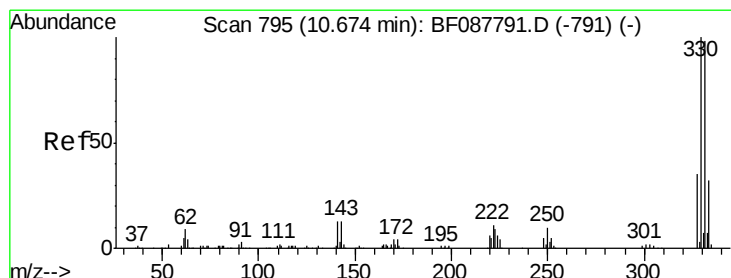
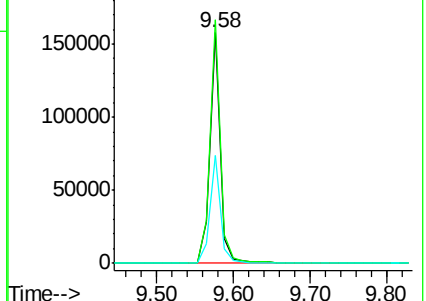
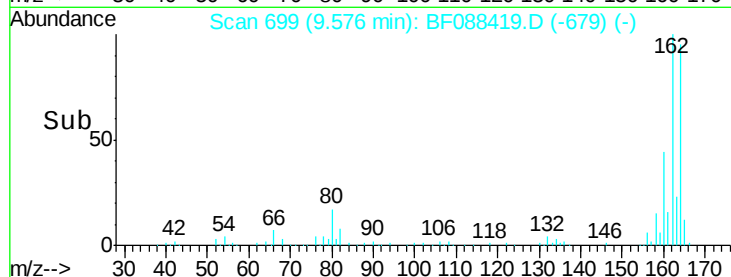
160 46.8 39.5 59.3



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: 72.94 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.07 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

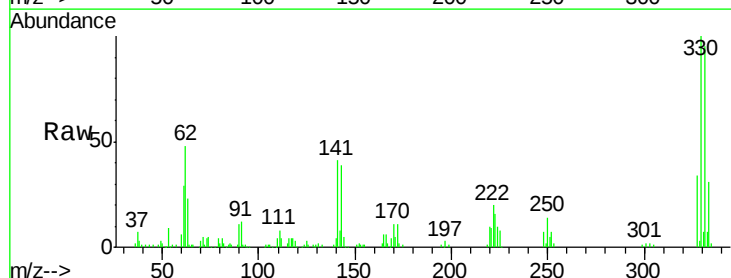
Tgt Ion:330 Resp: 112266

Ion Ratio Lower Upper

330 100

332 96.0 0.0 0.0#

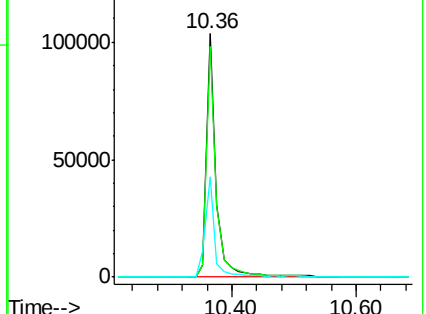
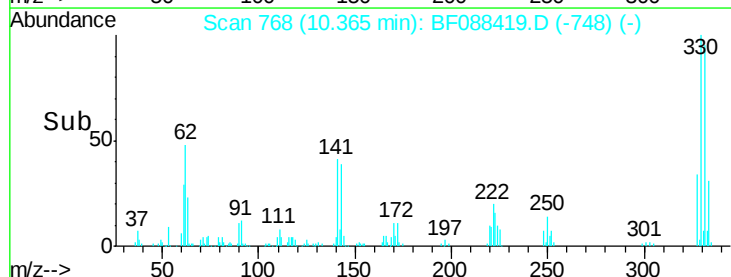
141 40.5 0.0 0.0#

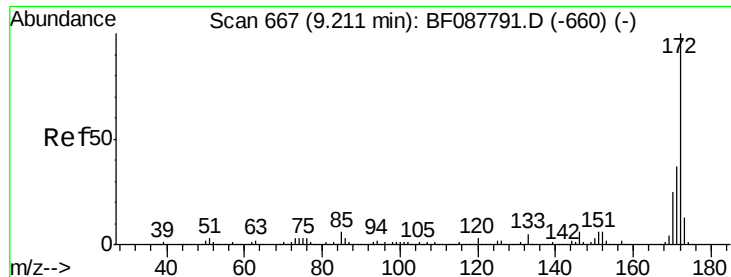


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

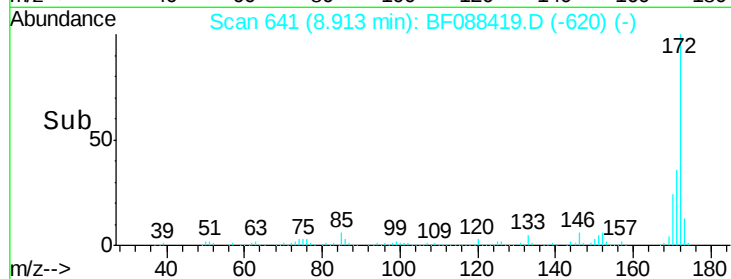
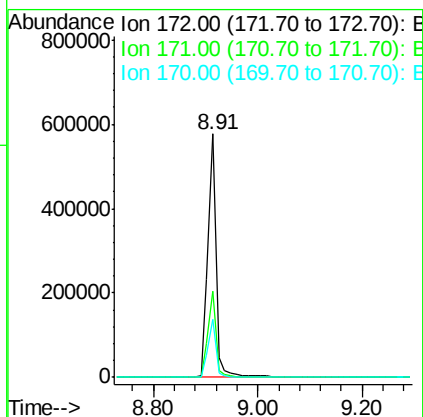
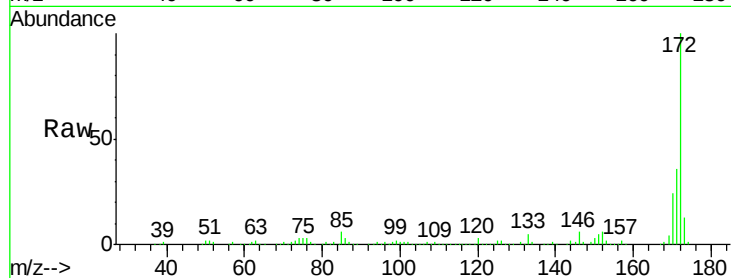




#44
2-Fluorobiphenyl
Concen: 67.70 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088419.D
Acq: 26 Jun 2016 15:35

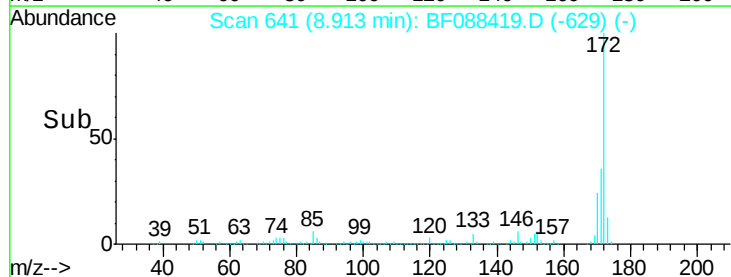
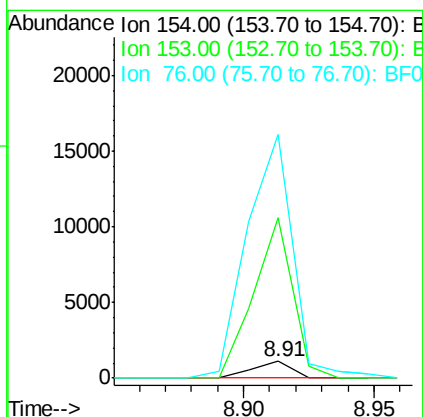
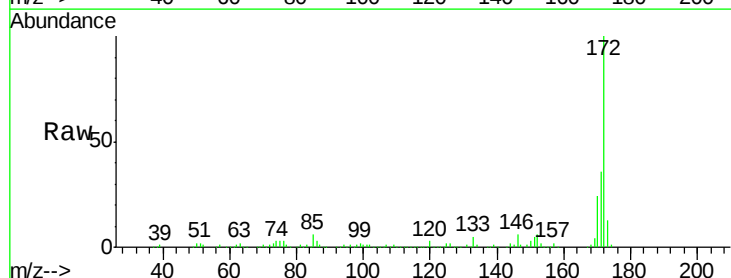
Instrument :
BNA_F
ClientSampleId :
CF-2

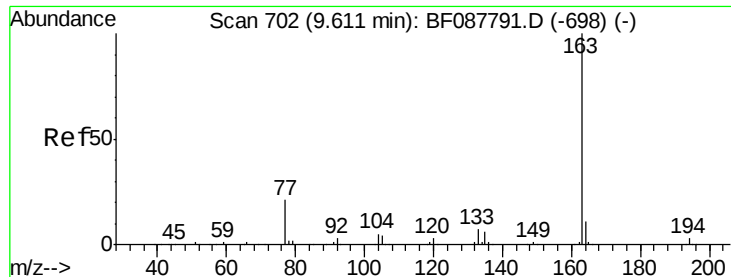
Tot Ion:172 Resp: 638630
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.0 19.2 28.8



#45
1,1'-Biphenyl
Concen: Below Cal
RT: 8.91 min Scan# 641
Delta R.T. -0.16 min
Lab File: BF088419.D
Acq: 26 Jun 2016 15:35

Tgt Ion:154 Resp: 1099
Ion Ratio Lower Upper
154 100
153 967.5 20.6 60.6#
76 1462.7 0.0 35.1#

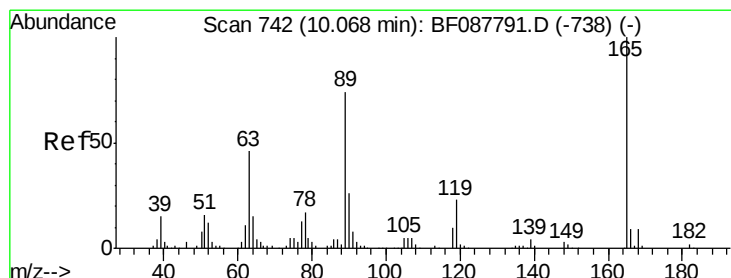
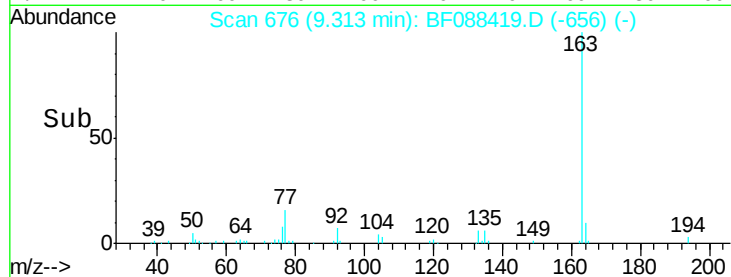
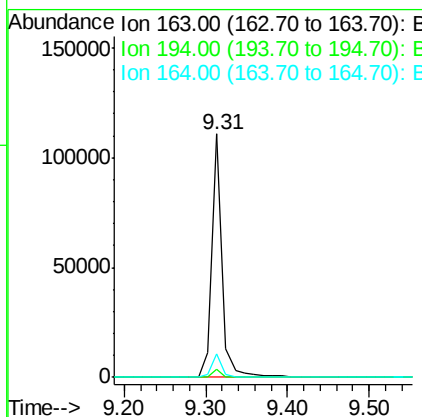
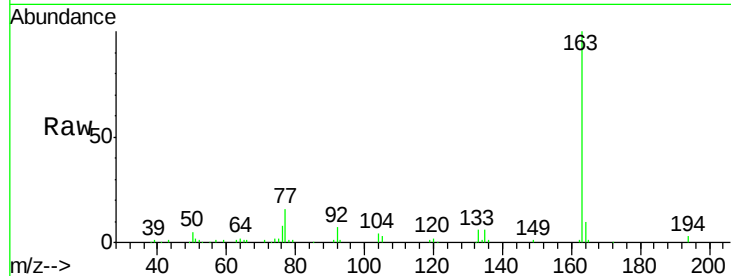




#49
Dimethylphthalate
Concen: 9.39 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088419.D
Acq: 26 Jun 2016 15:35

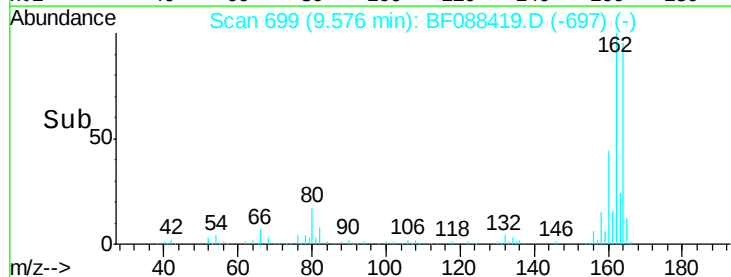
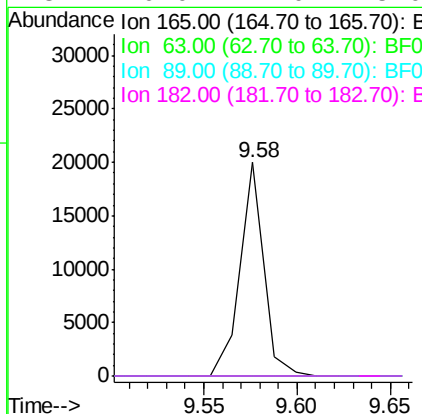
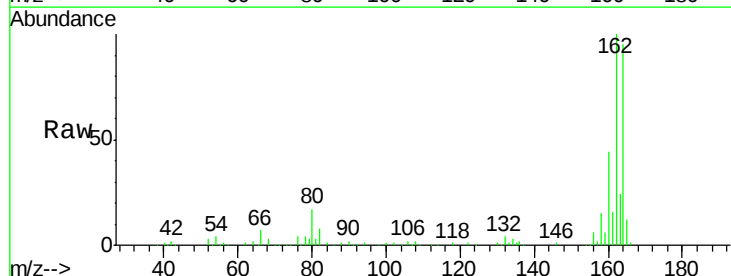
Instrument :
BNA_F
ClientSampled :
CF-2

Tot Ion:163 Resp: 99187
Ion Ratio Lower Upper
163 100
194 3.3 2.8 4.2
164 9.9 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 5.74 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.27 min
Lab File: BF088419.D
Acq: 26 Jun 2016 15:35

Tgt Ion:165 Resp: 17831
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#

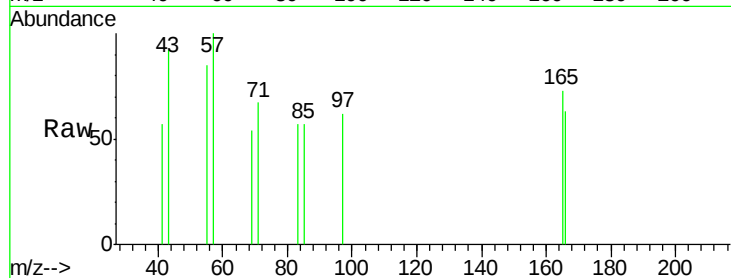




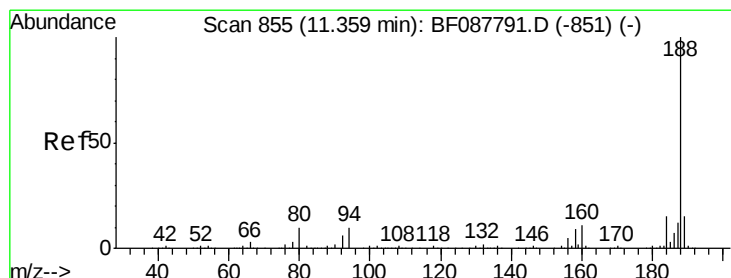
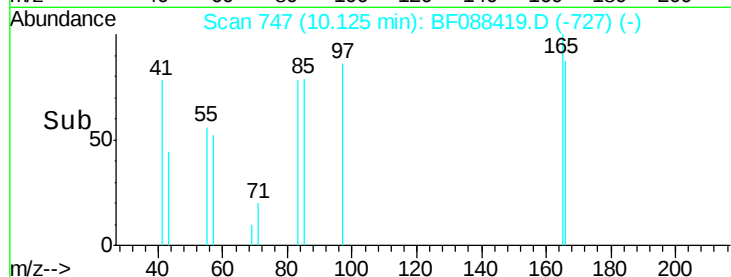
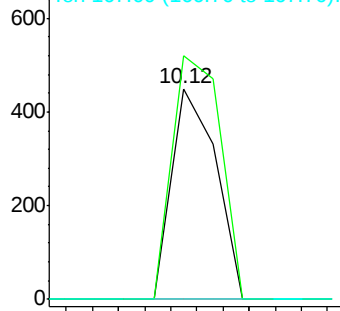
#57
Fluorene
 Concen: Below Cal
 RT: 10.12 min Scan# 747
 Delta R.T. -0.07 min
 Lab File: BF088419.D
 Acq: 26 Jun 2016 15:35

Instrument :
 BNA_F
 ClientSampleId :
 CF-2

Tot Ion:166 Resp: 536
 Ion Ratio Lower Upper
 166 100
 165 115.6 77.8 116.8
 167 0.0 11.2 16.8#

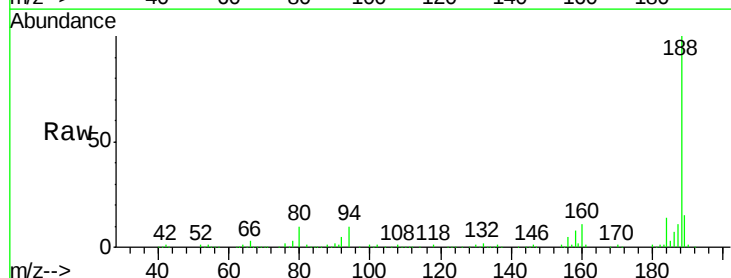


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

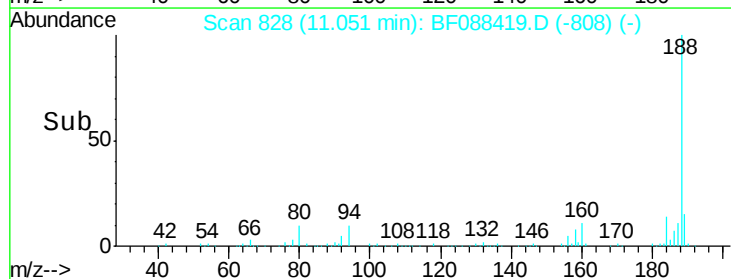
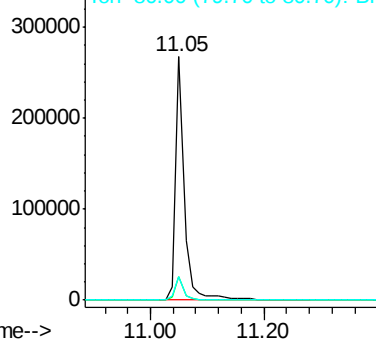


#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.05 min Scan# 828
 Delta R.T. -0.07 min
 Lab File: BF088419.D
 Acq: 26 Jun 2016 15:35

Tgt Ion:188 Resp: 273609
 Ion Ratio Lower Upper
 188 100
 94 9.7 9.0 13.6
 80 9.9 10.0 15.0#



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

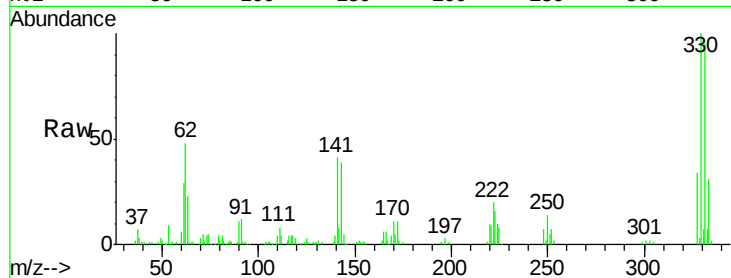




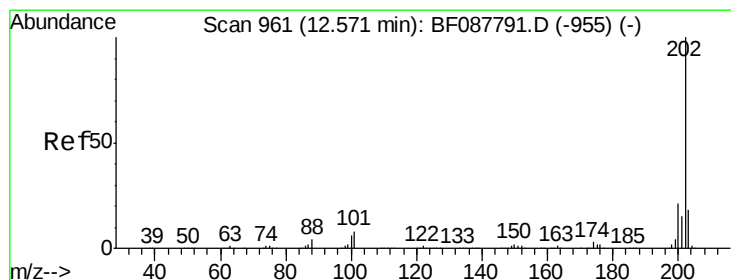
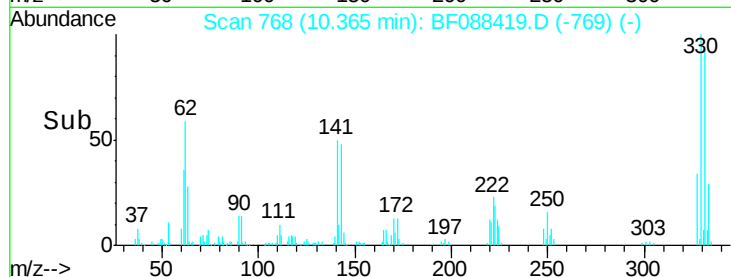
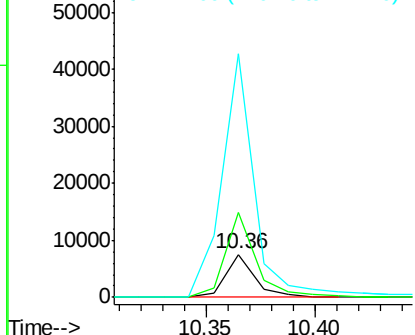
#66
4-Bromophenyl-phenylether
Concen: 2.39 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.31 min
Lab File: BF088419.D
Acq: 26 Jun 2016 15:35

Instrument :
BNA_F
ClientSampleId :
CF-2

Tot Ion:248 Resp: 7002
Ion Ratio Lower Upper
248 100
250 200.5 77.1 115.7#
141 571.2 50.6 76.0#

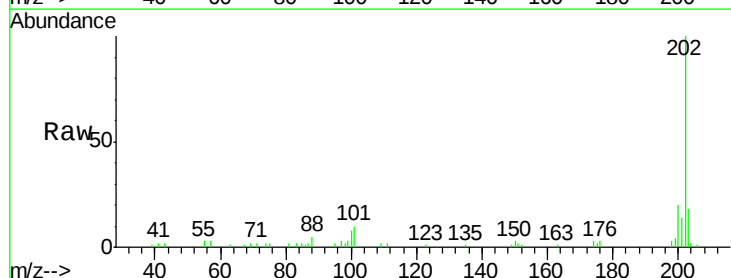


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

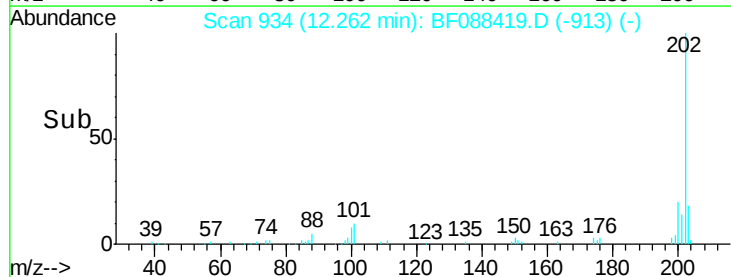
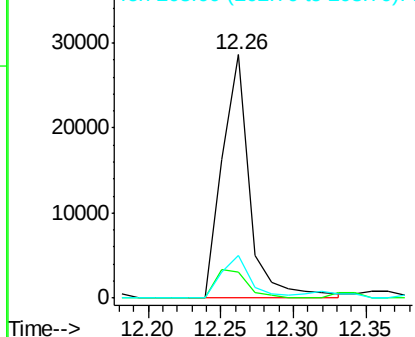


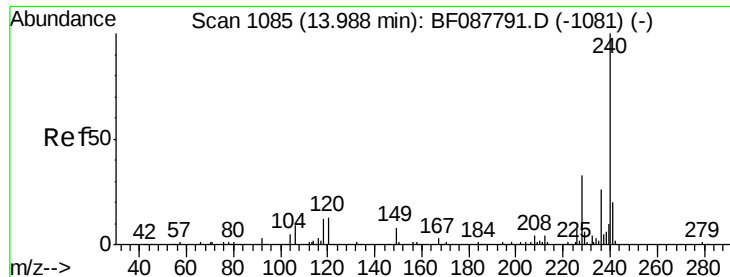
#74
Fluoranthene
Concen: 2.49 ng
RT: 12.26 min Scan# 934
Delta R.T. -0.06 min
Lab File: BF088419.D
Acq: 26 Jun 2016 15:35

Tgt Ion:202 Resp: 37691
Ion Ratio Lower Upper
202 100
101 10.5 0.0 33.1
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: 13.68 min Scan# 1058

Delta R.T. -0.07 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

Instrument :

BNA_F

ClientSampleId :

CF-2

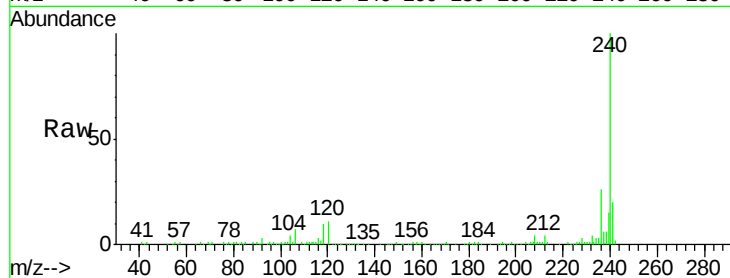
Tot Ion:240 Resp: 185722

Ion Ratio Lower Upper

240 100

120 10.8 6.8 10.2#

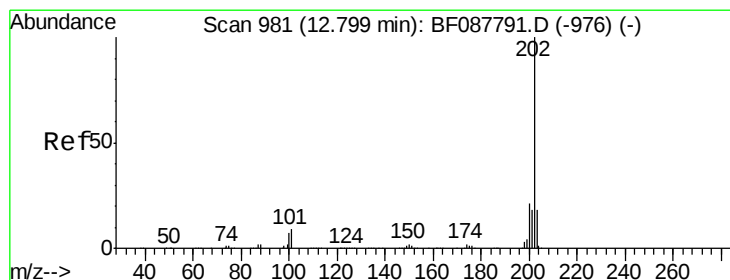
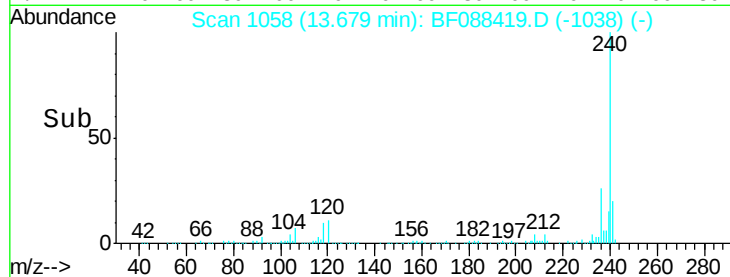
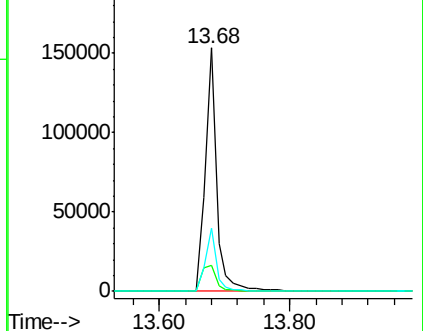
236 25.7 20.2 30.2



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: 2.79 ng

RT: 12.48 min Scan# 953

Delta R.T. -0.07 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

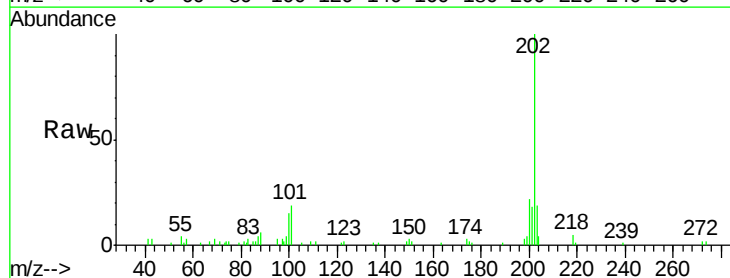
Tgt Ion:202 Resp: 38515

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

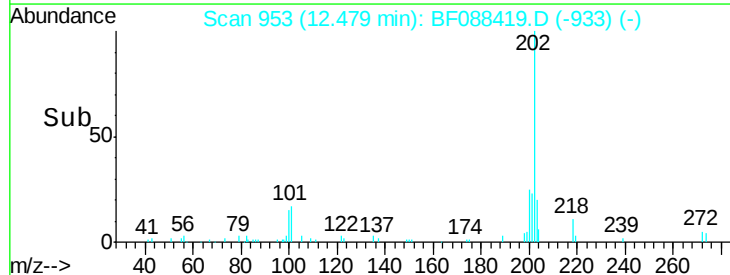
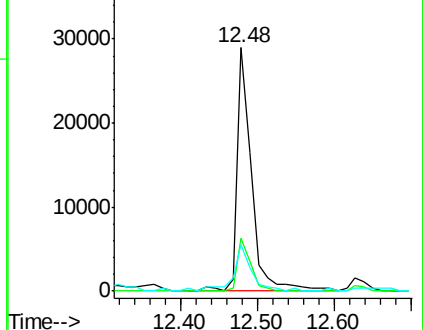
203 19.3 14.5 21.7

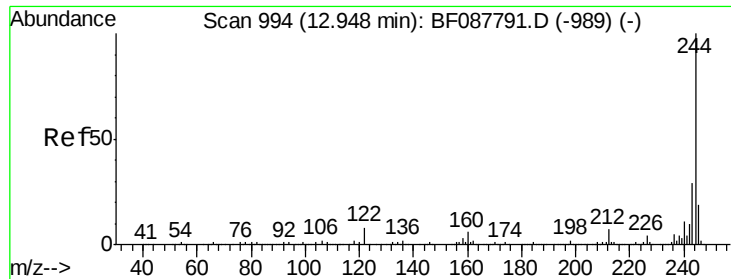


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

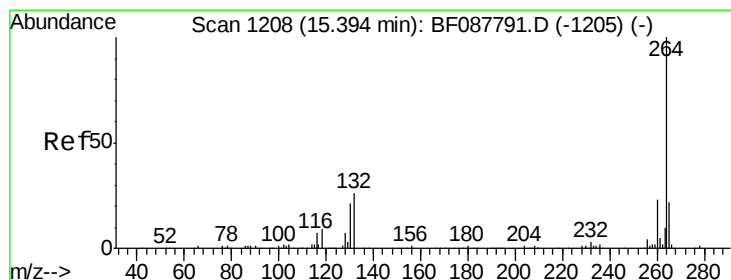
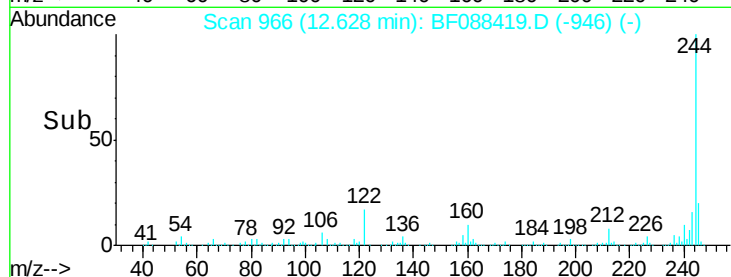
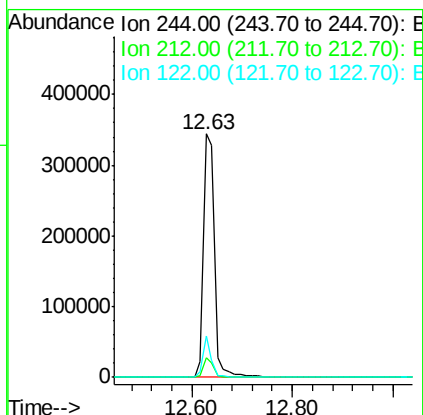
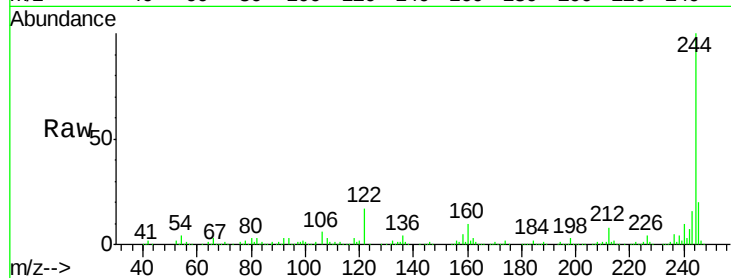




#78
 Terphenyl-d14
 Concen: 64.53 ng
 RT: 12.63 min Scan# 966
 Delta R.T. -0.07 min
 Lab File: BF088419.D
 Acq: 26 Jun 2016 15:35

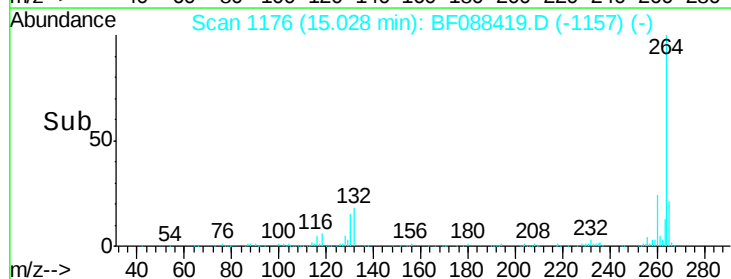
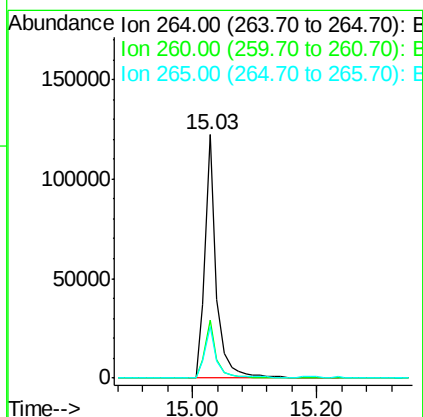
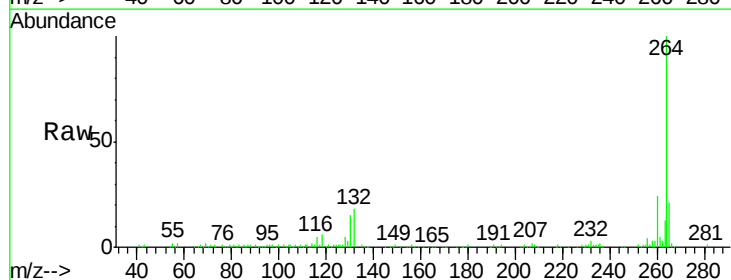
Instrument :
 BNA_F
 ClientSampleId :
 CF-2

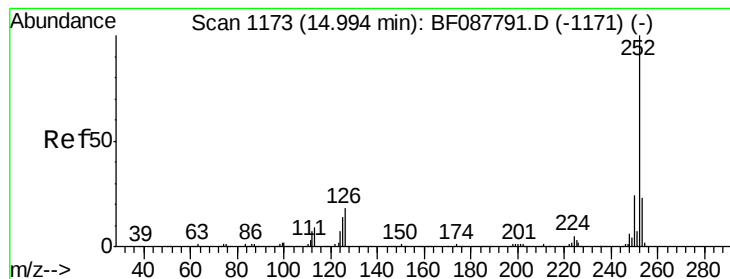
Tot Ion:244 Resp: 526636
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 16.7 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.08 min
 Lab File: BF088419.D
 Acq: 26 Jun 2016 15:35

Tgt Ion:264 Resp: 158343
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.1 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 2.77 ng

RT: 14.67 min Scan# 1145

Delta R.T. -0.07 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

Instrument :

BNA_F

ClientSampleId :

CF-2

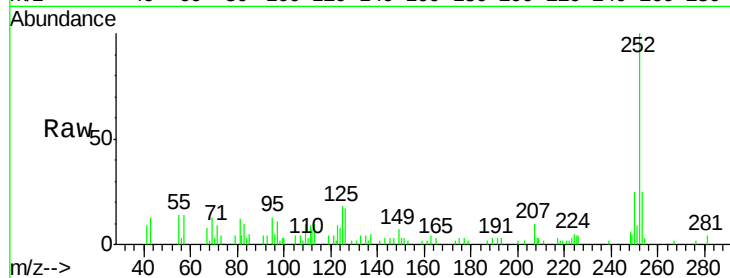
Tot Ion:252 Resp: 30605

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.2

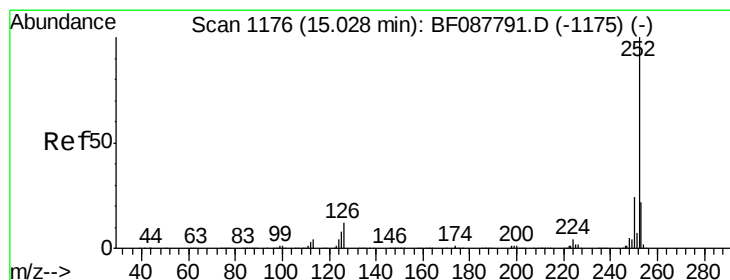
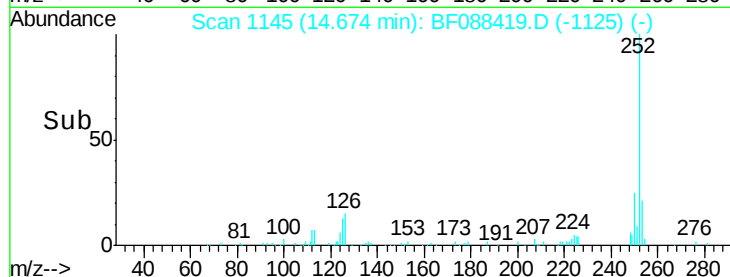
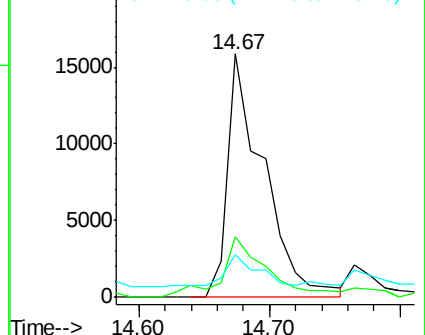
125 17.7 7.1 10.7#



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: 3.68 ng

RT: 14.67 min Scan# 1145

Delta R.T. -0.09 min

Lab File: BF088419.D

Acq: 26 Jun 2016 15:35

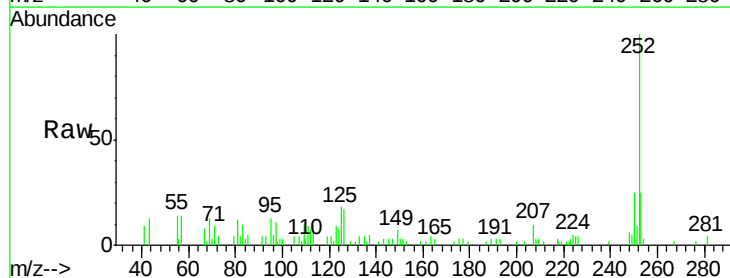
Tgt Ion:252 Resp: 30605

Ion Ratio Lower Upper

252 100

253 24.8 18.0 27.0

125 17.7 11.2 16.8#



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

