

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062716\
 Data File : BF088466.D
 Acq On : 27 Jun 2016 22:21
 Operator : UM/SJ
 Sample : H3630-03
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01N-1224

Quant Time: Jun 28 06:45:56 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 19:14:18 2016
 Response via : Initial Calibration

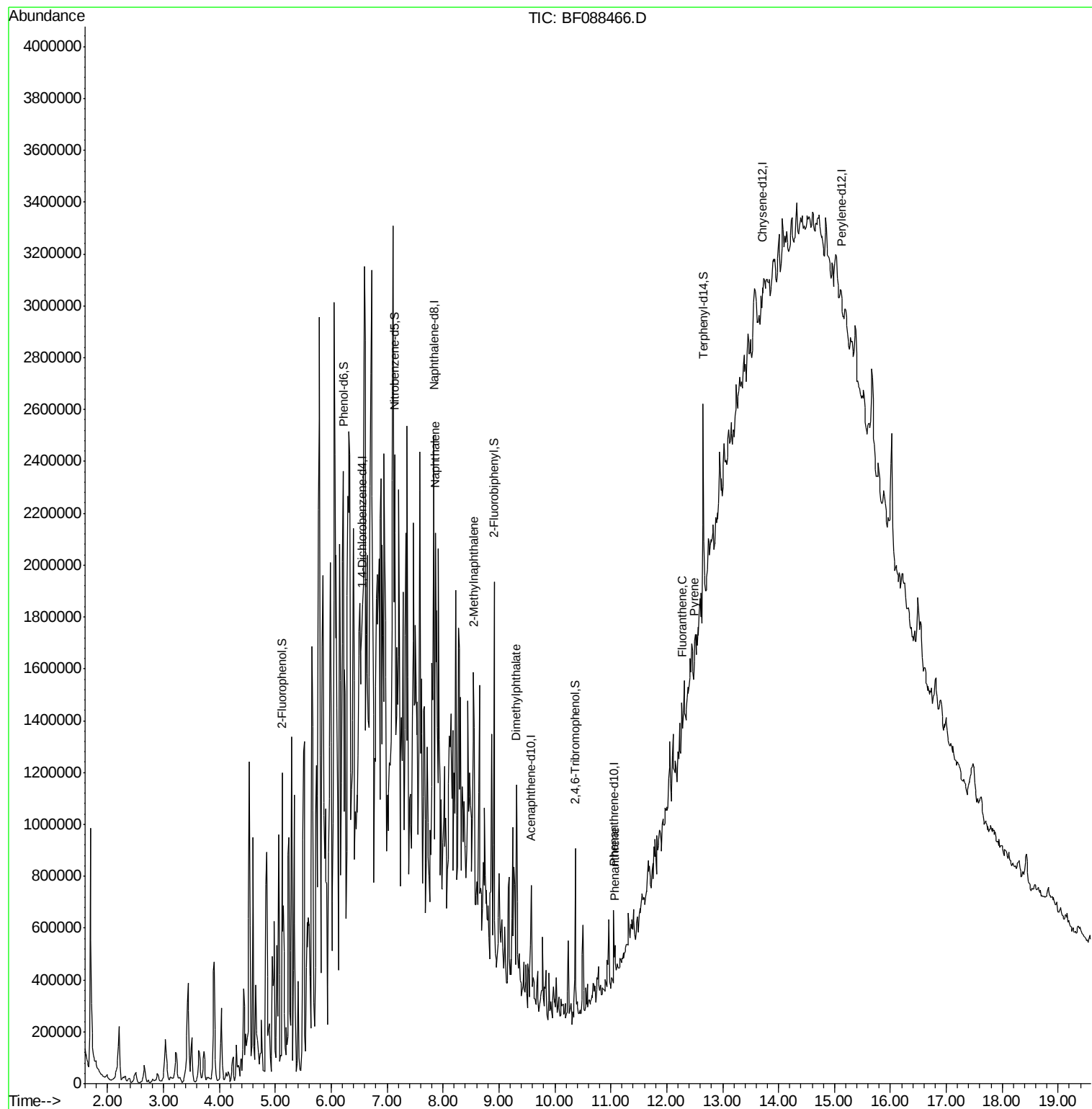
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	39184	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	137088	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	78665	20.00	ng	-0.01
63) Phenanthrene-d10	11.05	188	133533	20.00	ng	-0.01
75) Chrysene-d12	13.71	240	65156	20.00	ng	0.02
86) Perylene-d12	15.12	264	54955	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	448913	195.85	ng	-0.01
7) Phenol-d6	6.22	99	461681	166.20	ng	-0.02
23) Nitrobenzene-d5	7.13	82	329711	140.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	89306	107.52	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	555777	112.80	ng	-0.01
78) Terphenyl-d14	12.65	244	343211	119.87	ng	0.01
Target Compounds						
31) Naphthalene	7.86	128	307823	45.37	ng	# 77
37) 2-Methylnaphthalene	8.55	142	466000	104.22	ng	# 94
49) Dimethylphthalate	9.31	163	73708	12.93	ng	# 99
70) Phenanthrene	11.07	178	35577	5.08	ng	# 91
74) Fluoranthene	12.27	202	25874	3.50	ng	# 80
77) Pyrene	12.49	202	43073	8.91	ng	# 88

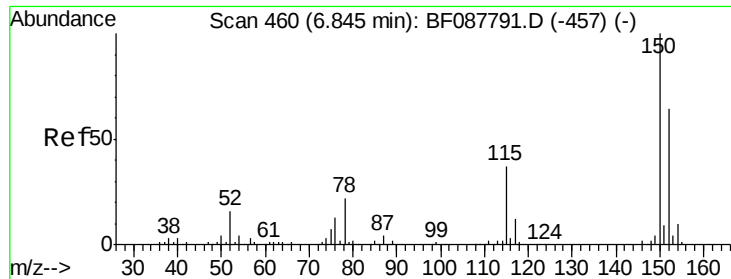
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

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BNA_F

ClientSampleId :

B1409-TP01N-1224

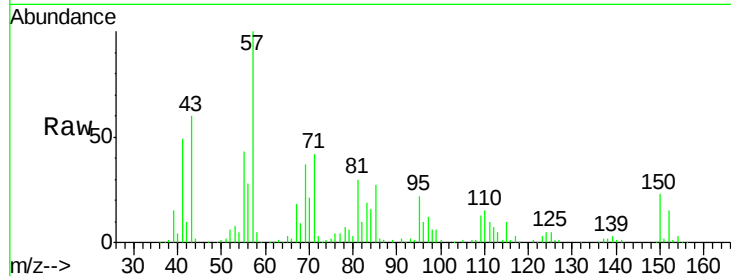
Tot Ion:152 Resp: 39184

Ion Ratio Lower Upper

152 100

150 155.6 123.8 185.6

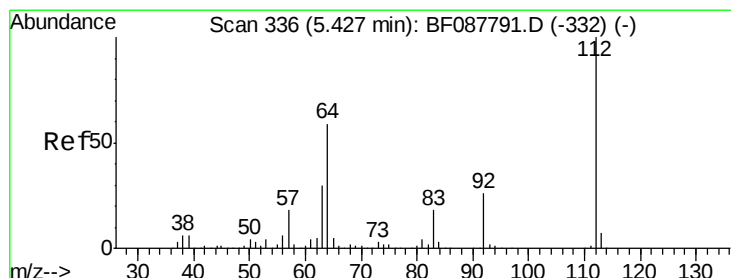
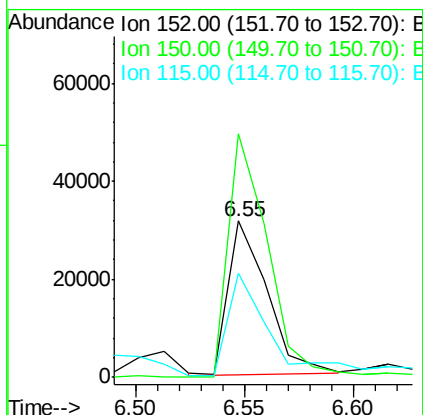
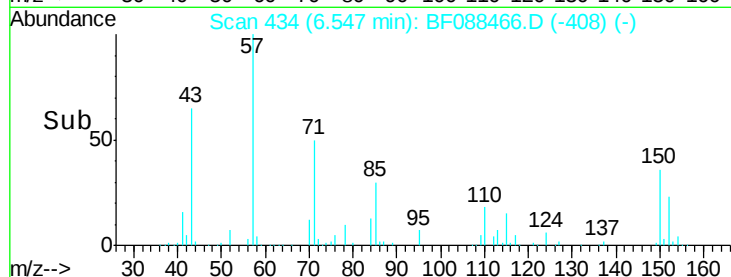
115 66.8 39.6 59.4#



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: 195.85 ng

RT: 5.12 min Scan# 309

Delta R.T. -0.01 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

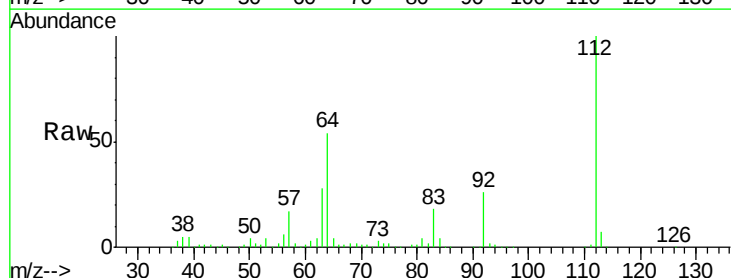
Tgt Ion:112 Resp: 448913

Ion Ratio Lower Upper

112 100

64 53.5 42.2 63.2

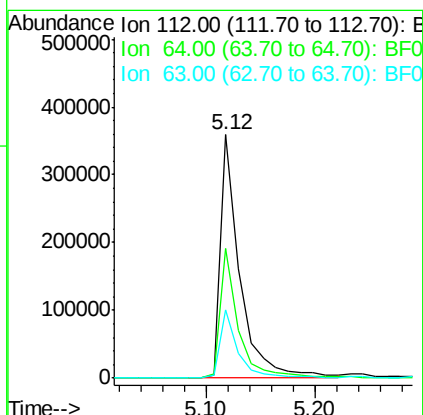
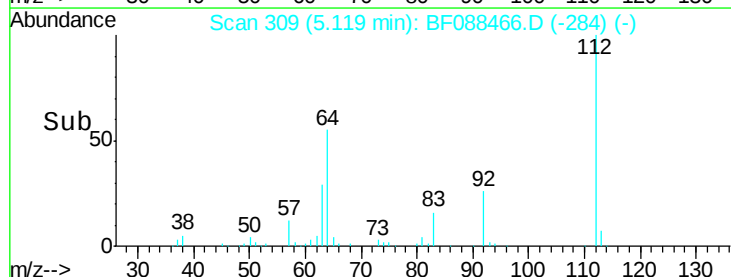
63 27.9 21.8 32.8



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: 166.20 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.02 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

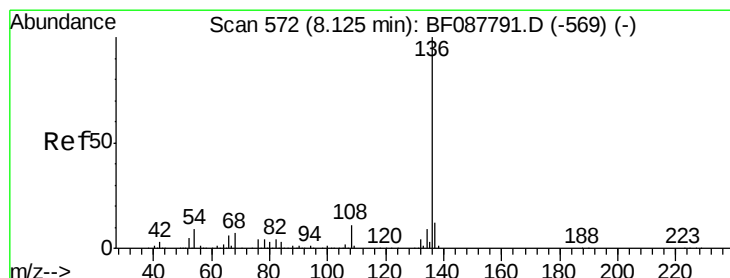
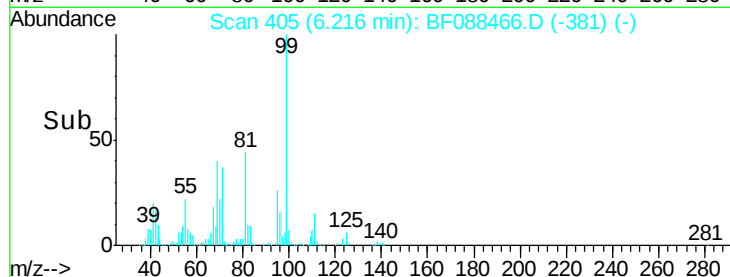
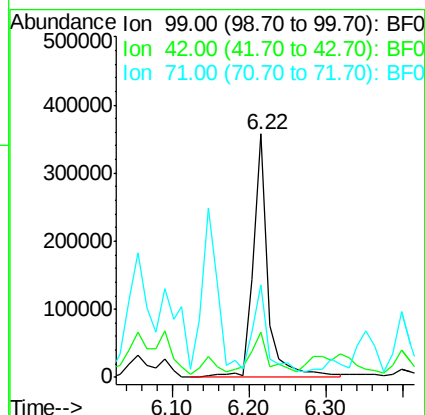
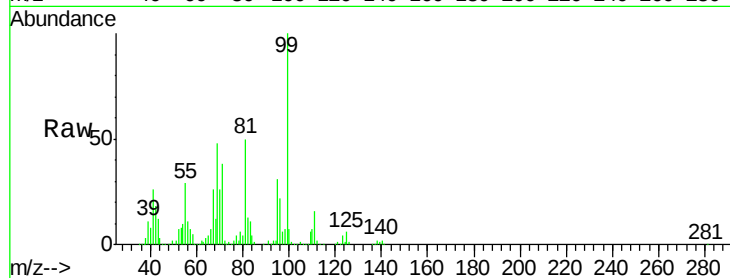
Tot Ion: 99 Resp: 461681

Ion Ratio Lower Upper

99 100

42 18.3 12.2 18.2#

71 37.8 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 547

Delta R.T. 0.00 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

Tgt Ion: 136 Resp: 137088

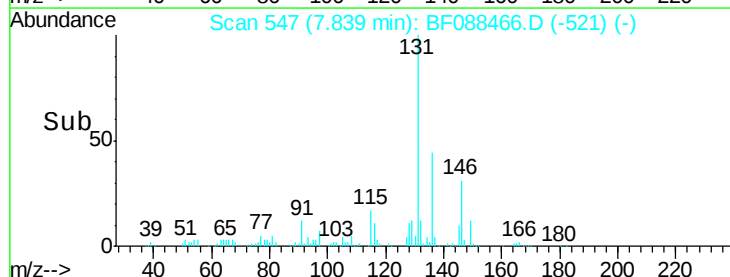
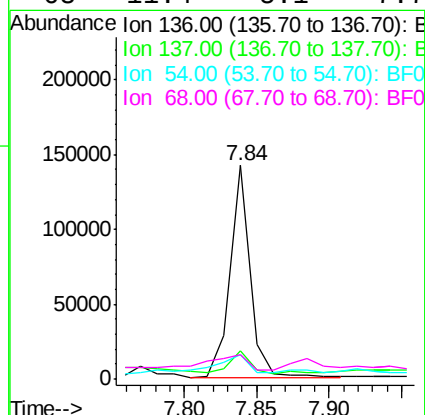
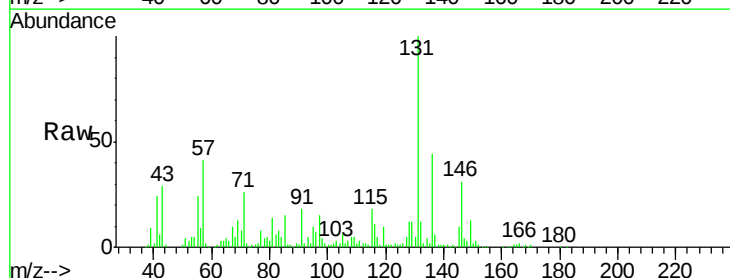
Ion Ratio Lower Upper

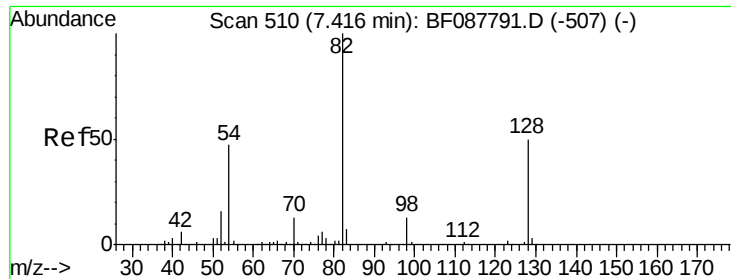
136 100

137 13.1 9.1 13.7

54 11.6 6.6 10.0#

68 11.4 5.1 7.7#

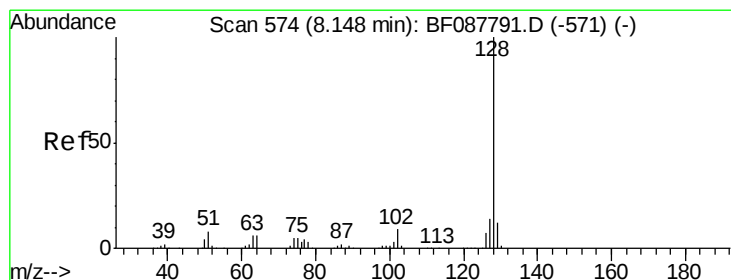
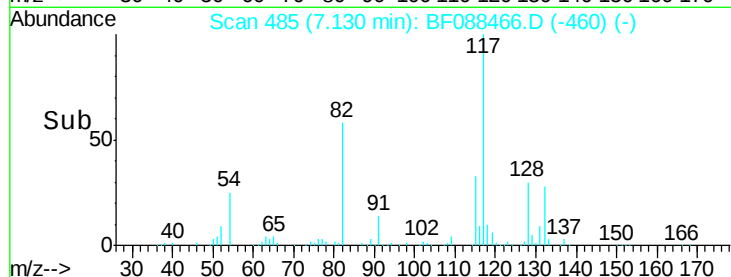
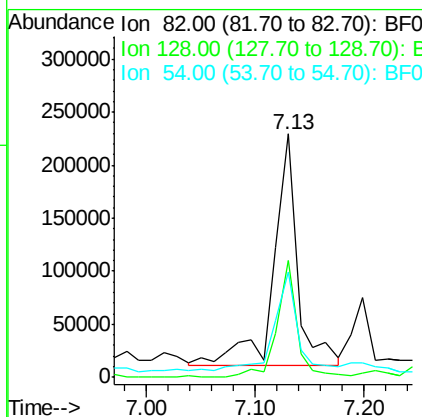
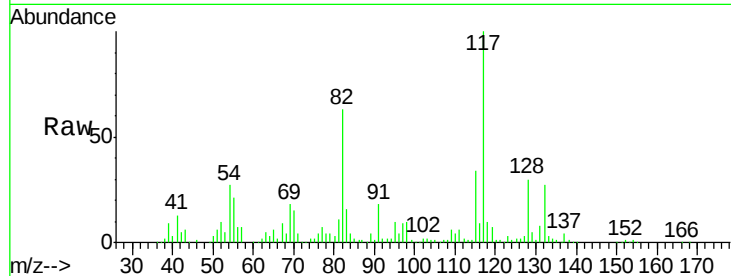




#23
Nitrobenzene-d5
Concen: 140.44 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.01 min
Lab File: BF088466.D
Acq: 27 Jun 2016 22:21

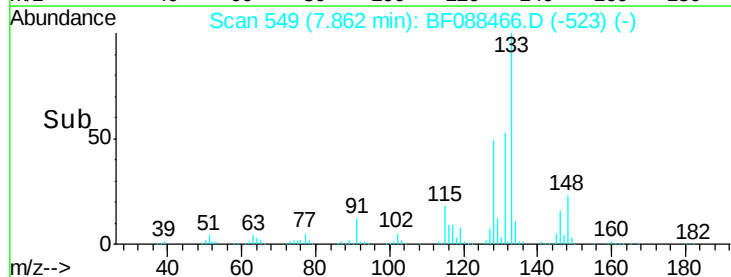
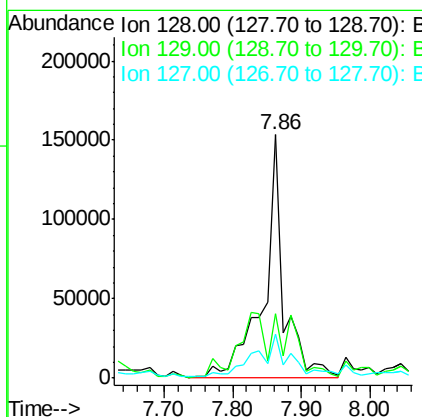
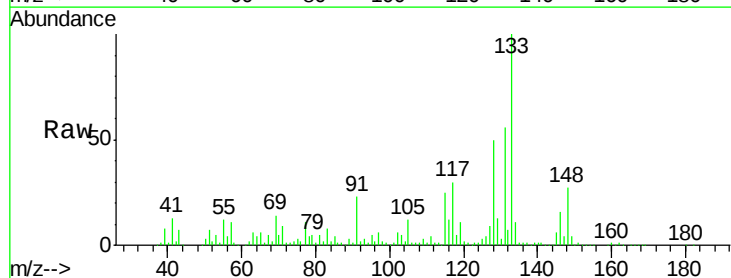
Instrument :
BNA_F
ClientSampleId :
B1409-TP01N-1224

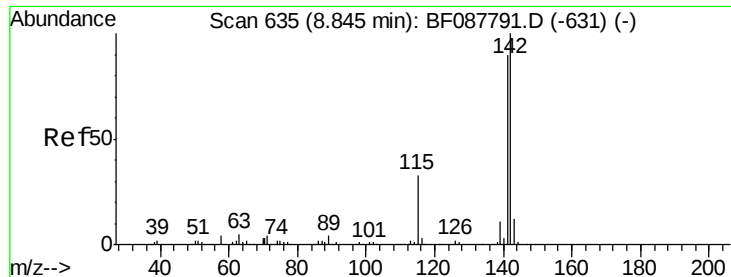
Tot Ion: 82 Resp: 329711
Ion Ratio Lower Upper
82 100
128 48.1 35.9 53.9
54 43.2 40.9 61.3



#31
Naphthalene
Concen: 45.37 ng
RT: 7.86 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF088466.D
Acq: 27 Jun 2016 22:21

Tgt Ion:128 Resp: 307823
Ion Ratio Lower Upper
128 100
129 26.3 9.4 14.2#
127 18.0 10.9 16.3#

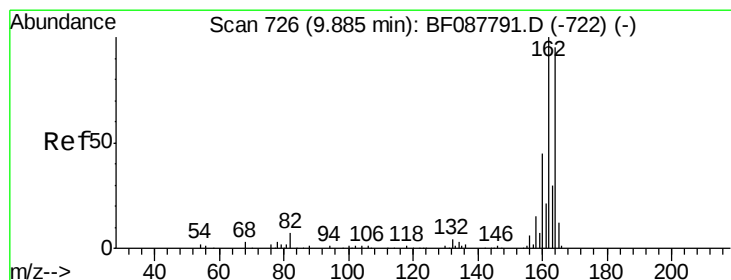
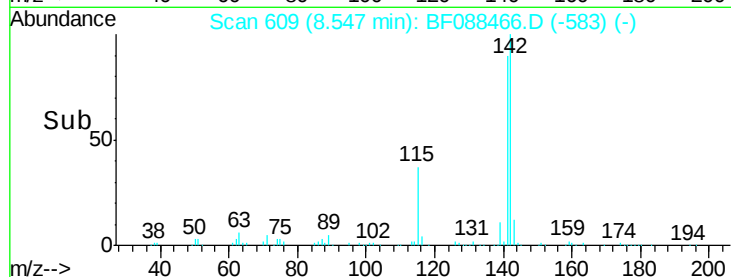
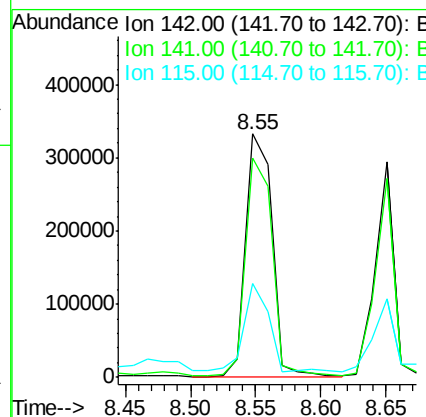
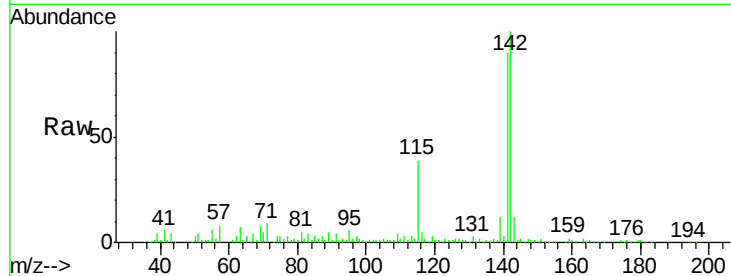




#37
 2-Methylnaphthalene
 Concen: 104.22 ng
 RT: 8.55 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF088466.D
 Acq: 27 Jun 2016 22:21

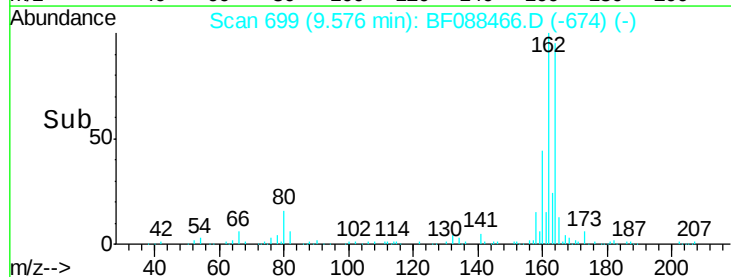
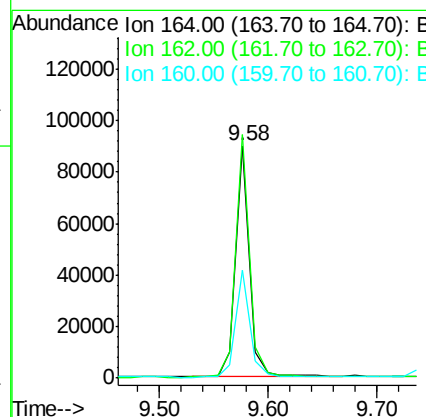
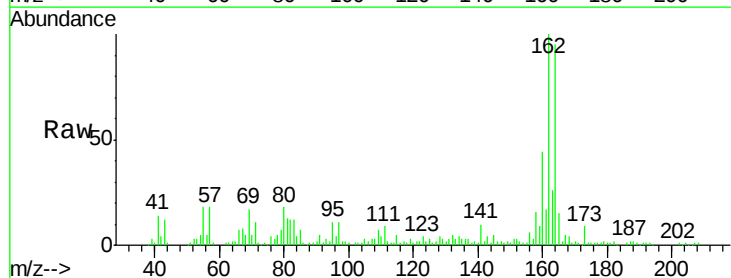
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01N-1224

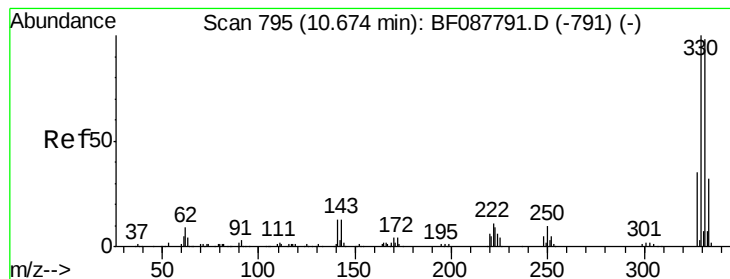
Tot Ion:142 Resp: 466000
 Ion Ratio Lower Upper
 142 100
 141 89.8 71.0 106.6
 115 38.5 22.6 33.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 699
 Delta R.T. -0.01 min
 Lab File: BF088466.D
 Acq: 27 Jun 2016 22:21

Tgt Ion:164 Resp: 78665
 Ion Ratio Lower Upper
 164 100
 162 104.8 85.4 128.2
 160 46.6 39.5 59.3





#41

2,4,6-Tribromophenol

Concen: 107.52 ng

RT: 10.36 min Scan# 768

Delta R.T. -0.01 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

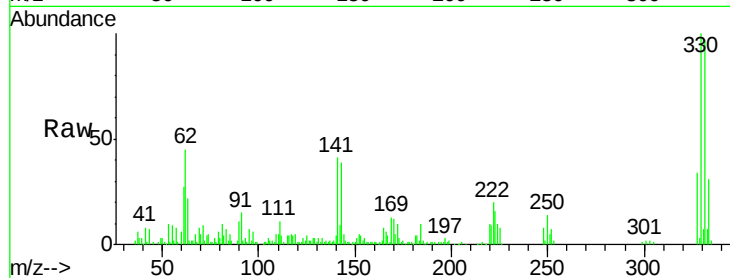
Tot Ion:330 Resp: 89306

Ion Ratio Lower Upper

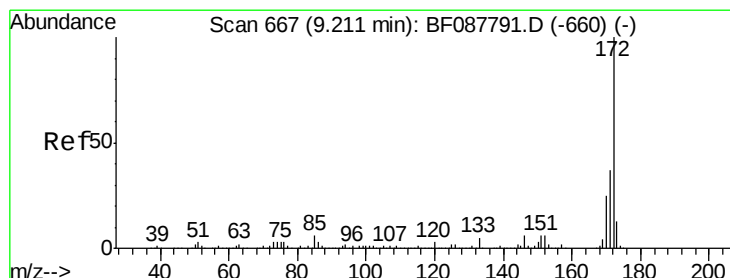
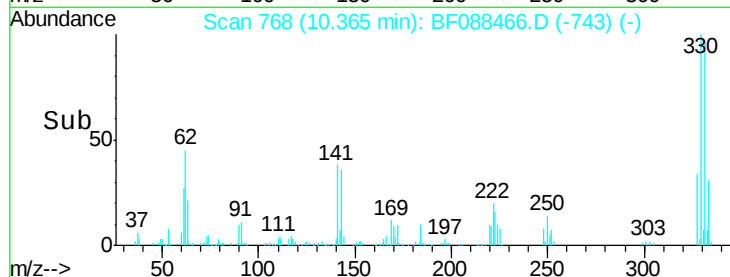
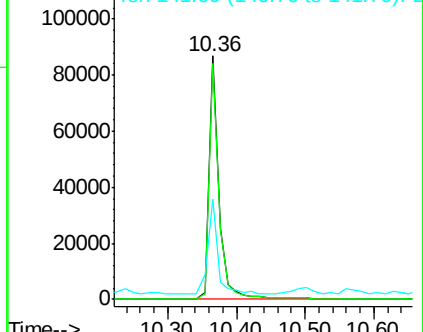
330 100

332 97.6 0.0 0.0#

141 39.9 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: 112.80 ng

RT: 8.91 min Scan# 641

Delta R.T. -0.01 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

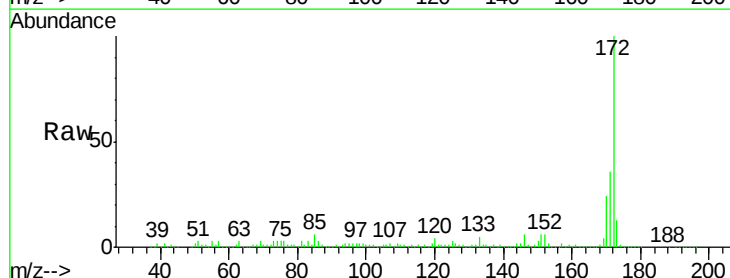
Tgt Ion:172 Resp: 555777

Ion Ratio Lower Upper

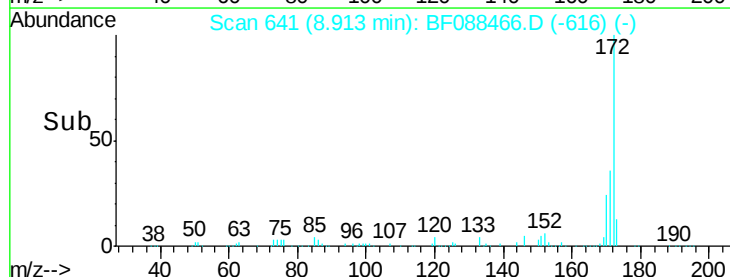
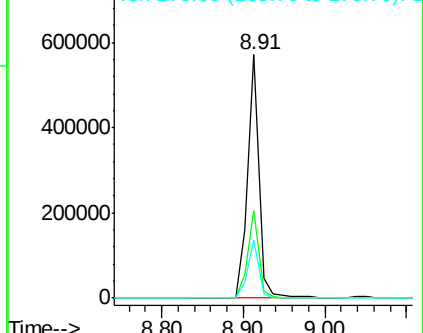
172 100

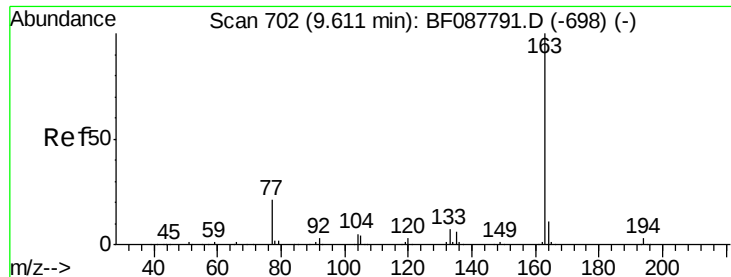
171 36.1 28.6 43.0

170 23.8 19.2 28.8



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

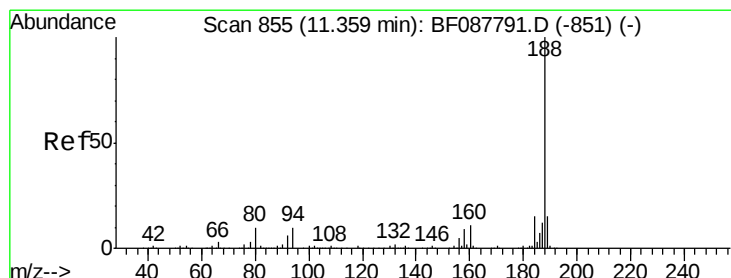
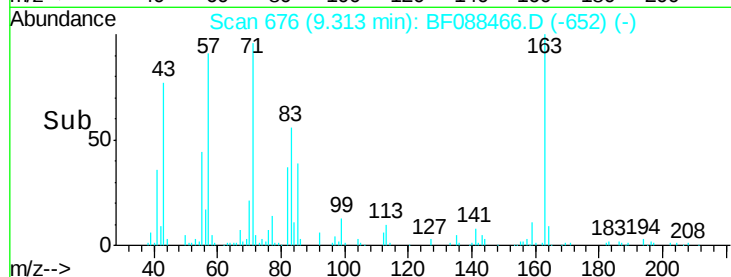
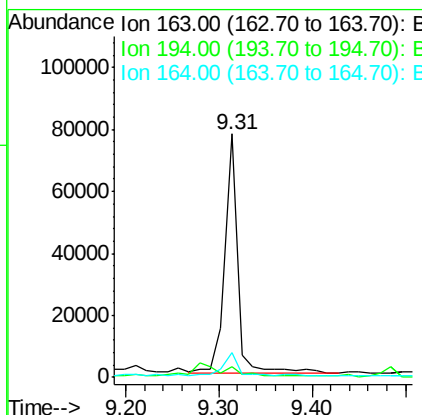
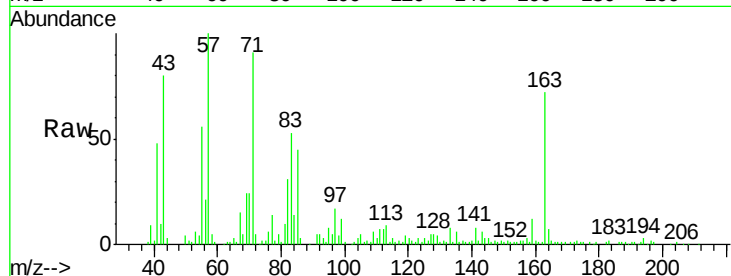




#49
Dimethylphthalate
Concen: 12.93 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.02 min
Lab File: BF088466.D
Acq: 27 Jun 2016 22:21

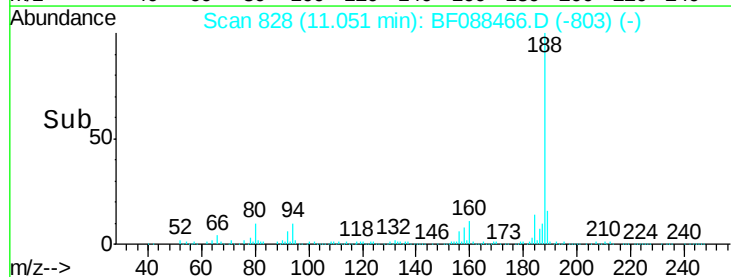
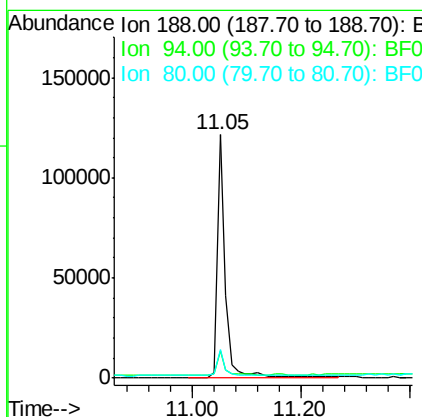
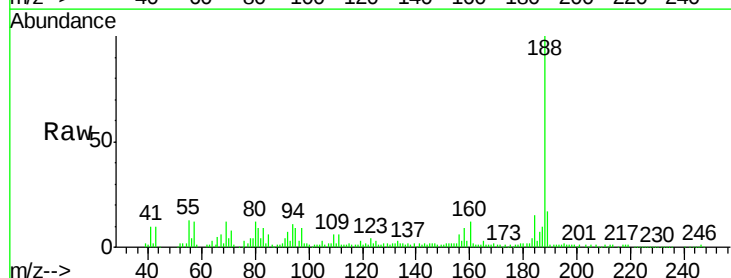
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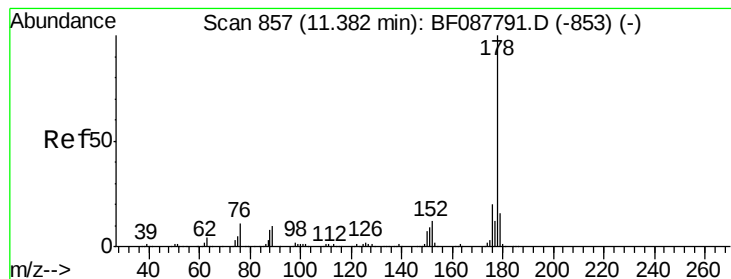
Tot Ion:163 Resp: 73708
Ion Ratio Lower Upper
163 100
194 4.3 2.8 4.2#
164 10.2 8.3 12.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF088466.D
Acq: 27 Jun 2016 22:21

Tgt Ion:188 Resp: 133533
Ion Ratio Lower Upper
188 100
94 11.4 9.0 13.6
80 11.7 10.0 15.0





#70

Phenanthrene

Concen: 5.08 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

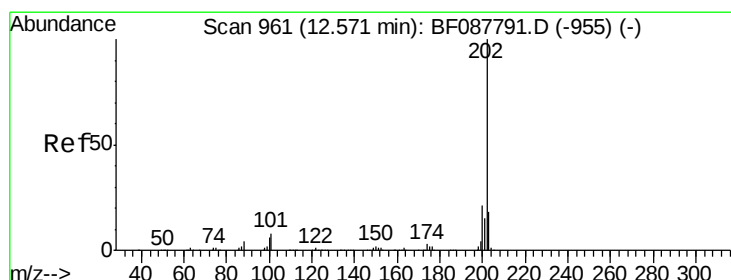
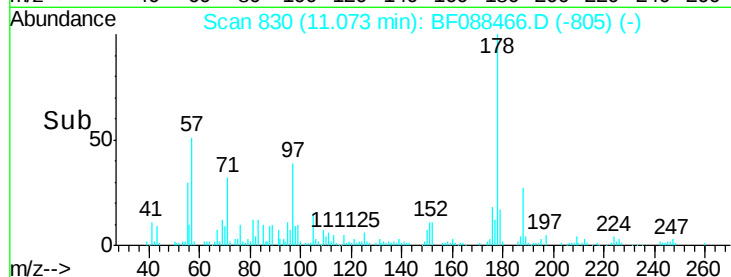
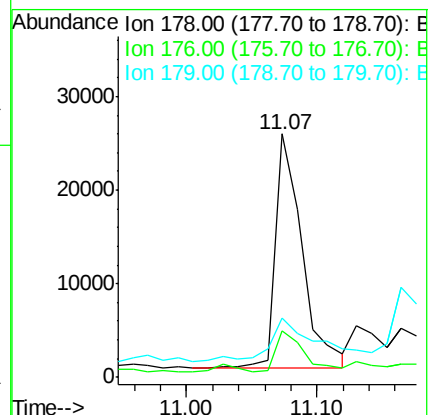
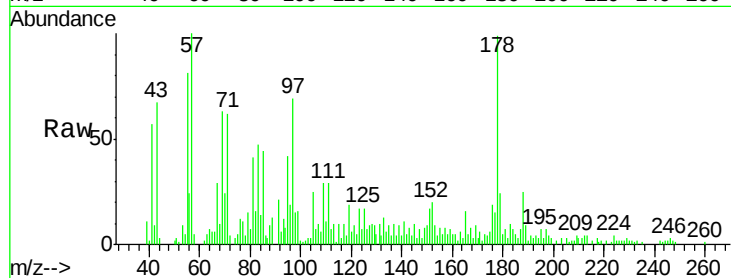
Tot Ion:178 Resp: 35577

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 24.2 13.0 19.4#



#74

Fluoranthene

Concen: 3.50 ng

RT: 12.27 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

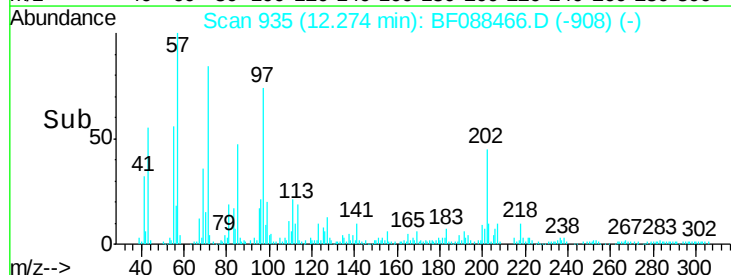
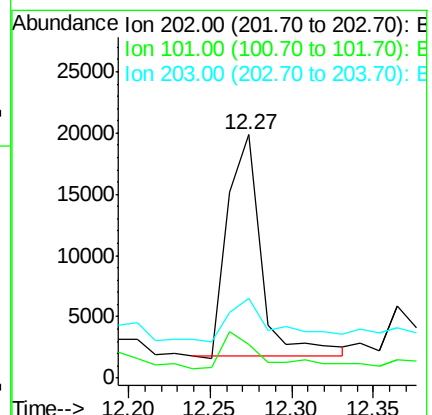
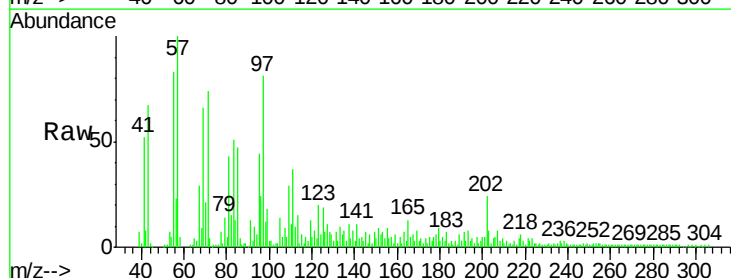
Tgt Ion:202 Resp: 25874

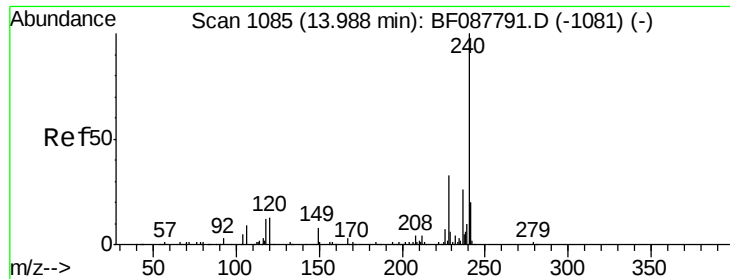
Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.1

203 32.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. 0.02 min

Lab File: BF088466.D

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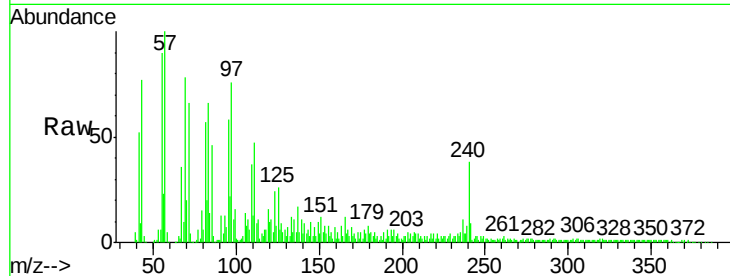
Tot Ion:240 Resp: 65156

Ion Ratio Lower Upper

240 100

120 26.4 6.8 10.2#

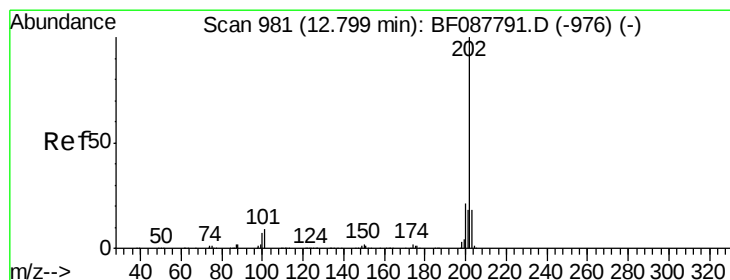
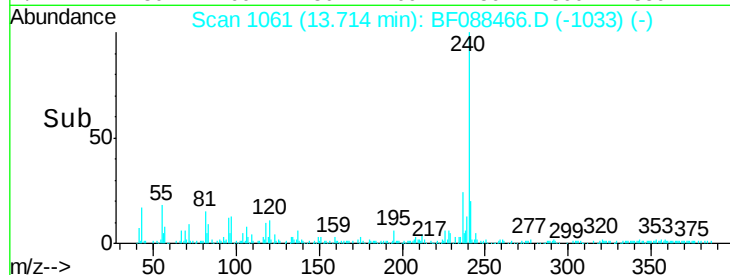
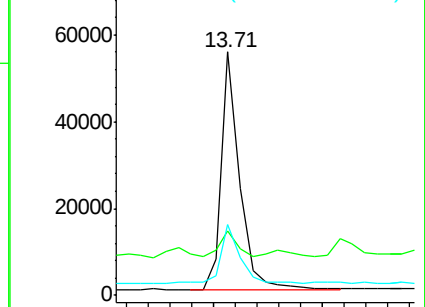
236 29.0 20.2 30.2



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: 8.91 ng

RT: 12.49 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

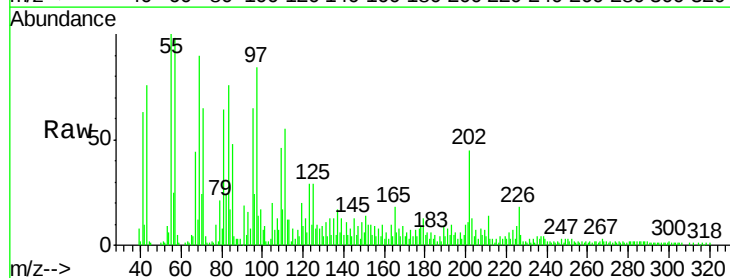
Tgt Ion:202 Resp: 43073

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

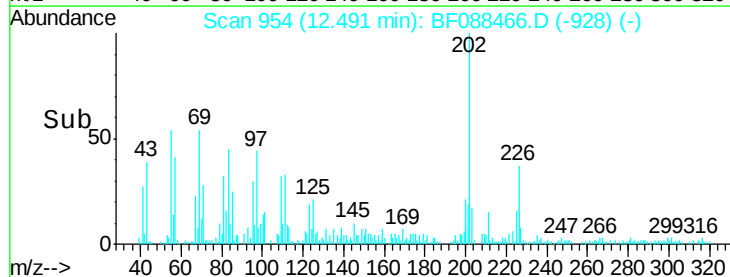
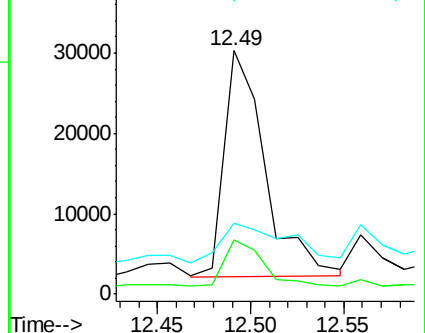
203 29.3 14.5 21.7#

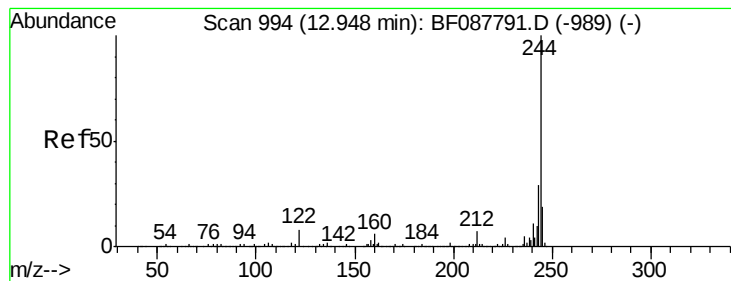


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 119.87 ng

RT: 12.65 min Scan# 968

Delta R.T. 0.01 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

Instrument :

BNA_F

ClientSampleId :

B1409-TP01N-1224

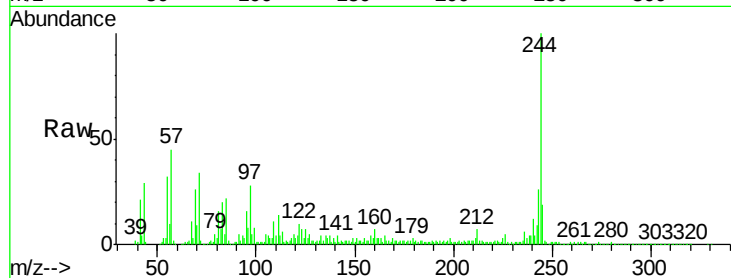
Tot Ion:244 Resp: 343211

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

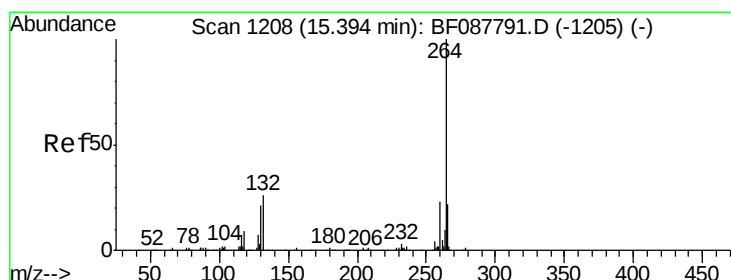
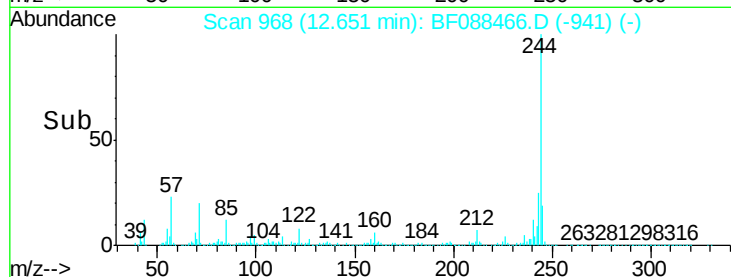
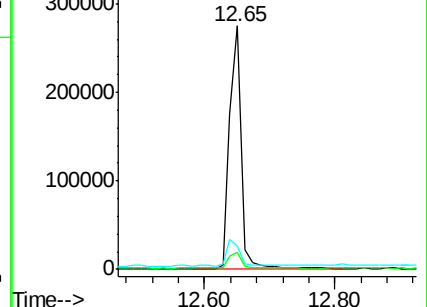
122 9.6 11.2 16.8#



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: 15.12 min Scan# 1184

Delta R.T. 0.08 min

Lab File: BF088466.D

Acq: 27 Jun 2016 22:21

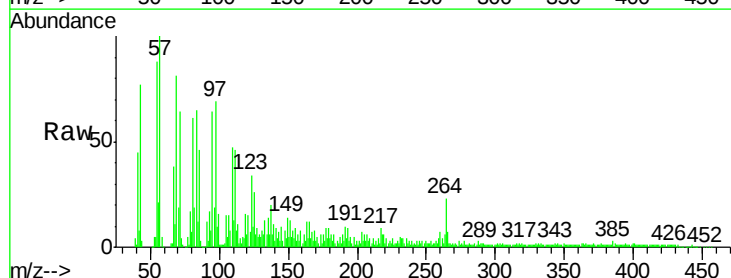
Tgt Ion:264 Resp: 54955

Ion Ratio Lower Upper

264 100

260 27.9 19.2 28.8

265 27.9 16.9 25.3#



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

