

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088379.D
 Acq On : 25 Jun 2016 16:16
 Operator : UM/SJ
 Sample : H3624-11
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1491(0-4)

Quant Time: Jun 26 02:58:35 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

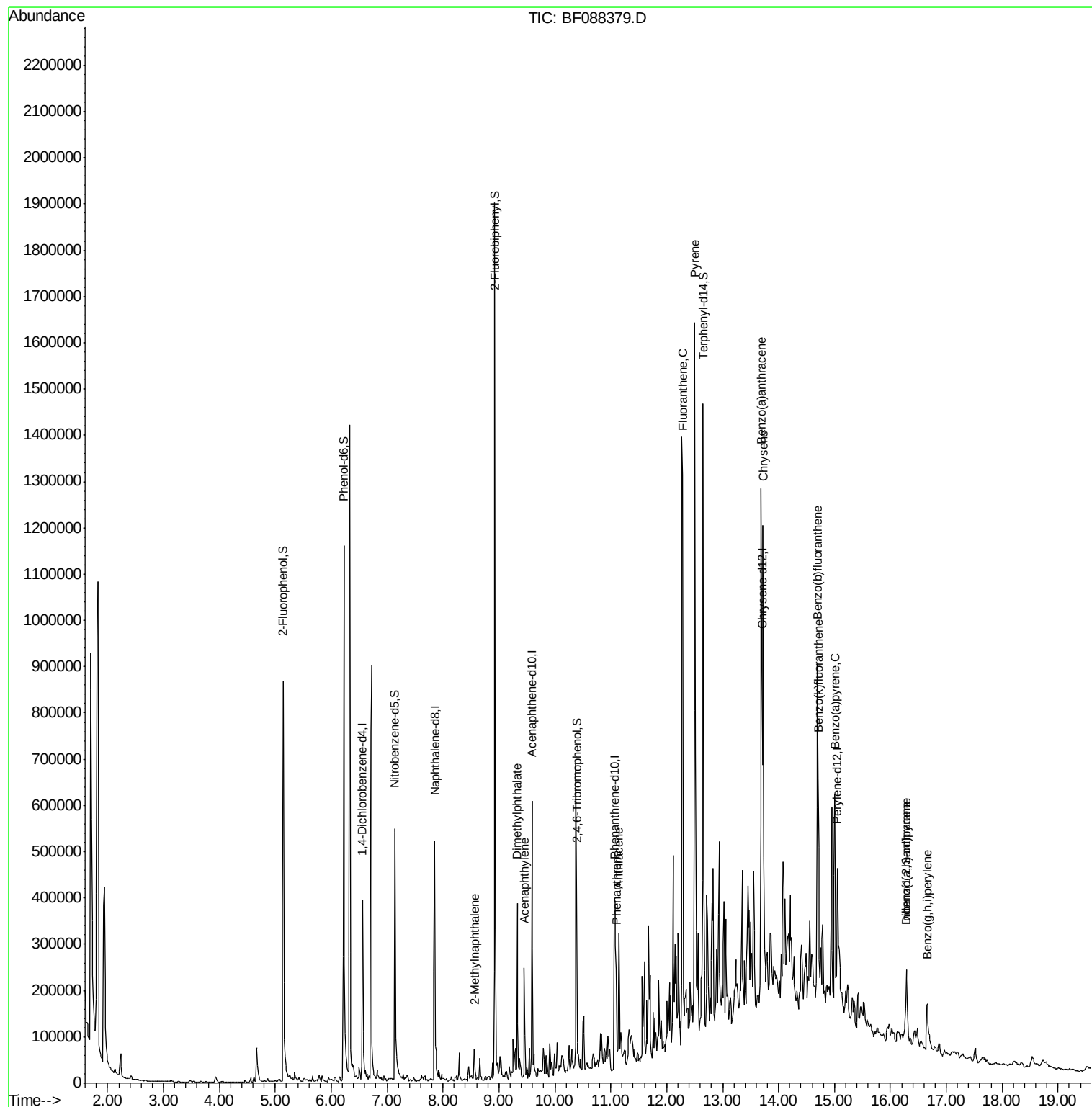
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	76437m	20.00	ng	-0.05
21) Naphthalene-d8	7.85	136	313920	20.00	ng	-0.05
38) Acenaphthene-d10	9.59	164	135962	20.00	ng	-0.06
63) Phenanthrene-d10	11.07	188	228389	20.00	ng	-0.05
75) Chrysene-d12	13.70	240	149109	20.00	ng	-0.05
86) Perylene-d12	15.05	264	147264	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	398533	89.13	ng	-0.03
7) Phenol-d6	6.23	99	543092	100.22	ng	-0.03
23) Nitrobenzene-d5	7.13	82	343085	63.82	ng	-0.05
41) 2,4,6-Tribromophenol	10.39	330	101992	71.04	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	623568	71.15	ng	-0.05
78) Terphenyl-d14	12.65	244	439571	67.08	ng	-0.05
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.56	142	23592	2.30	ng	# 95
48) Acenaphthylene	9.45	152	116191	8.30	ng	99
49) Dimethylphthalate	9.32	163	135976	13.81	ng	99
70) Phenanthrene	11.10	178	135591	11.31	ng	98
71) Anthracene	11.14	178	148007	12.24	ng	98
74) Fluoranthene	12.29	202	822540	65.04	ng	94
77) Pyrene	12.50	202	769604	69.55	ng	99
80) Benzo(a)anthracene	13.69	228	536285	63.11	ng	95
82) Chrysene	13.73	228	362499m	45.35	ng	
85) Indeno(1,2,3-cd)pyrene	16.29	276	98370	13.24	ng	# 100
87) Benzo(b)fluoranthene	14.70	252	414595m	40.39	ng	
88) Benzo(k)fluoranthene	14.71	252	129908m	16.78	ng	
89) Benzo(a)pyrene	15.01	252	245054m	29.51	ng	
90) Dibenzo(a,h)anthracene	16.29	278	33190	4.30	ng	# 86
91) Benzo(a,h,i)perylene	16.66	276	90005	11.34	ng	98

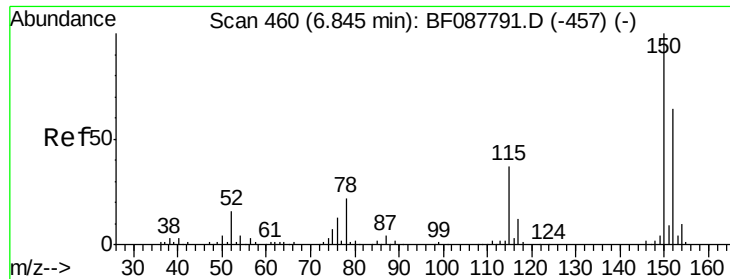
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.56 min Scan# 435

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

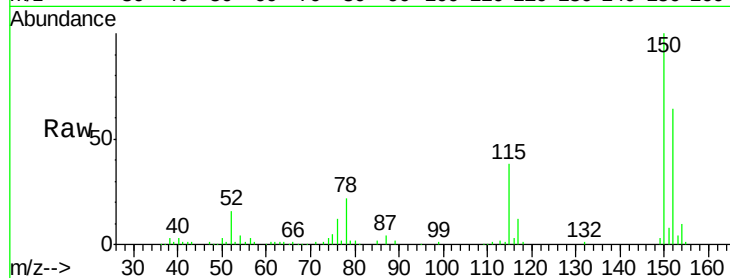
Tot Ion:152 Resp: 76437

Ion Ratio Lower Upper

152 100

150 156.7 123.8 185.6

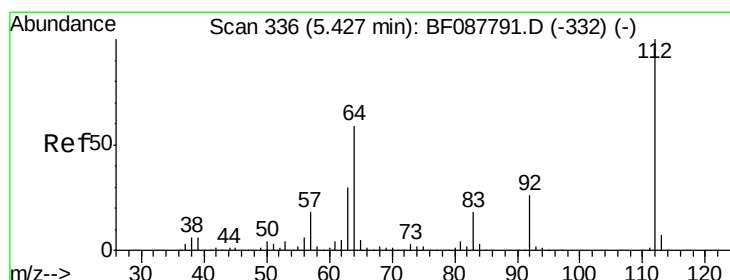
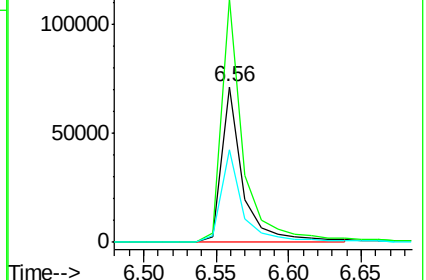
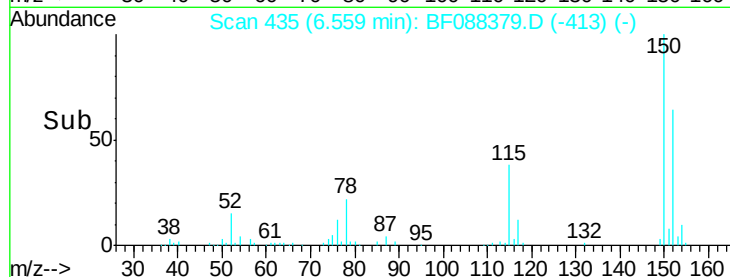
115 59.8 39.6 59.4#



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: 89.13 ng

RT: 5.14 min Scan# 311

Delta R.T. -0.03 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

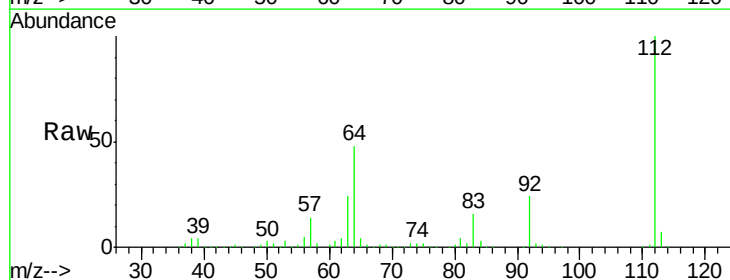
Tgt Ion:112 Resp: 398533

Ion Ratio Lower Upper

112 100

64 48.4 42.2 63.2

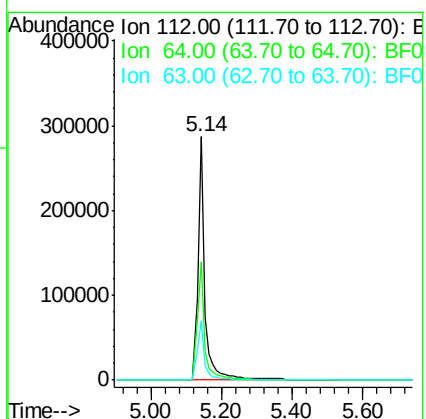
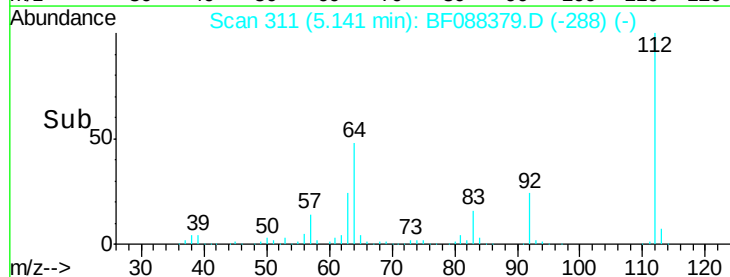
63 24.5 21.8 32.8

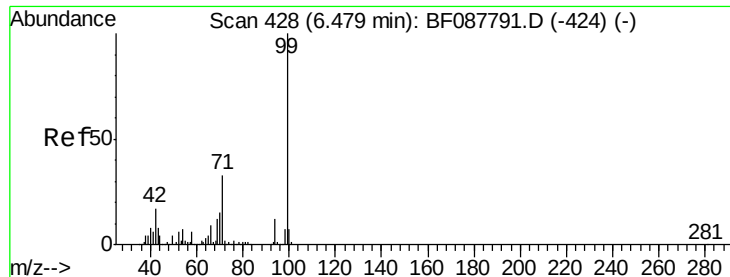


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 100.22 ng

RT: 6.23 min Scan# 406

Delta R.T. -0.03 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

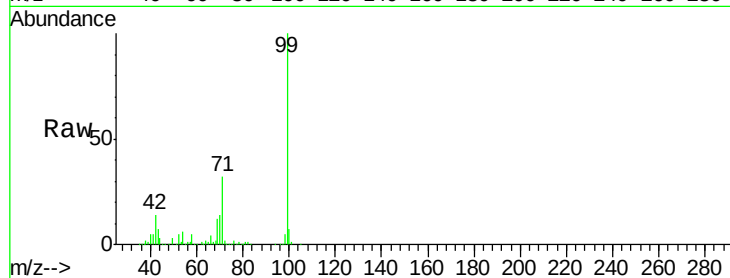
Tot Ion: 99 Resp: 543092

Ion Ratio Lower Upper

99 100

42 14.2 12.2 18.2

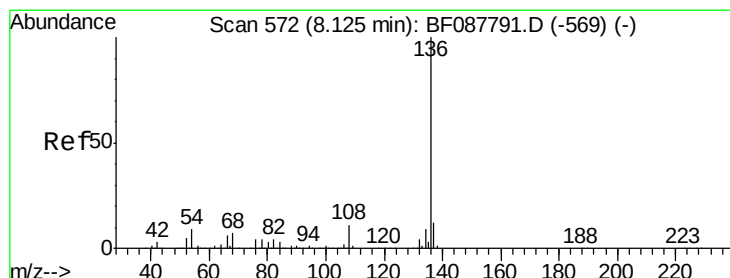
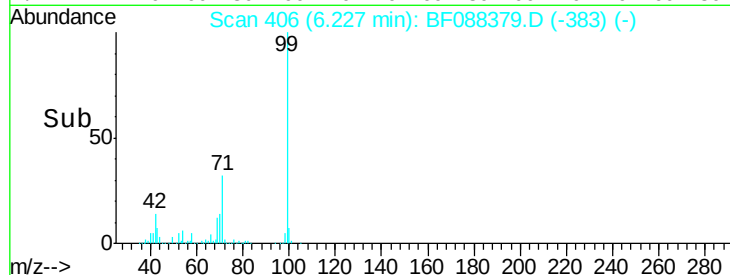
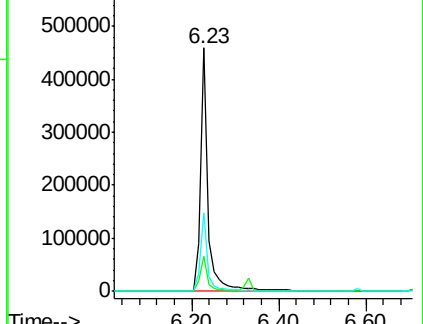
71 32.4 23.4 35.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.85 min Scan# 548

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Tgt Ion: 136 Resp: 313920

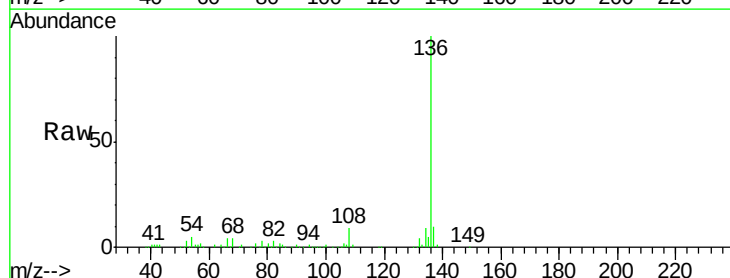
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 5.0 6.6 10.0#

68 4.4 5.1 7.7#

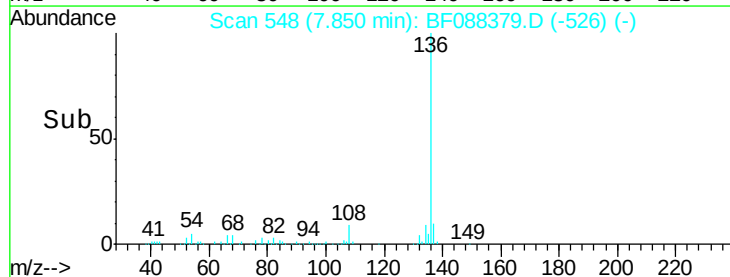
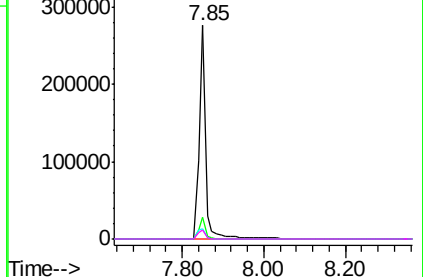


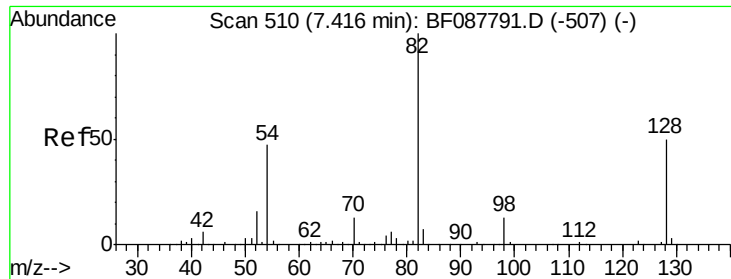
Abundance Ion 136.00 (135.70 to 136.70): E

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

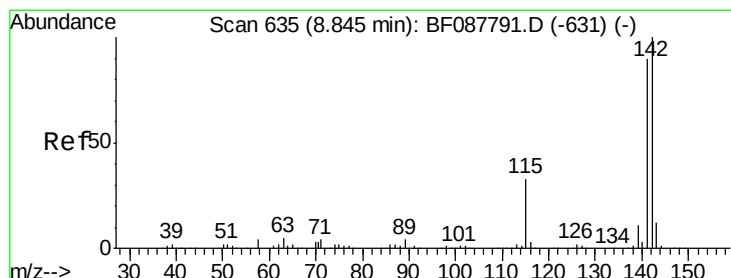
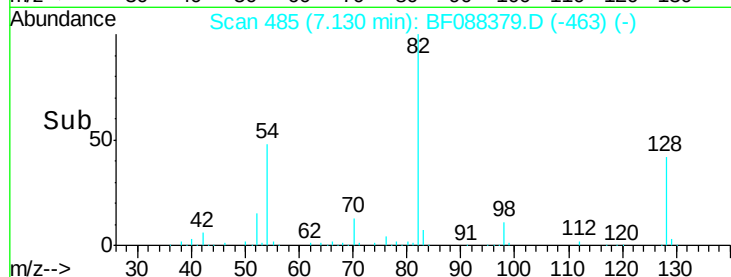
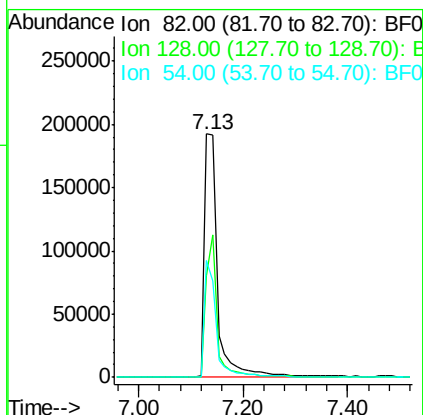
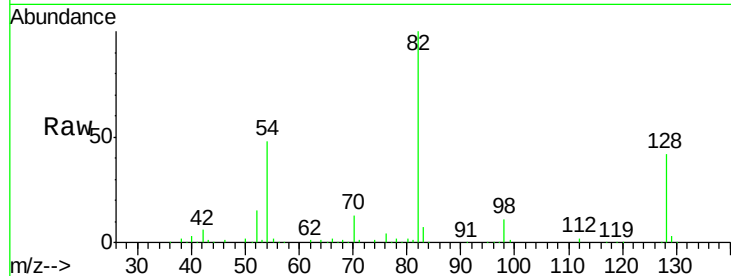




#23
Nitrobenzene-d5
Concen: 63.82 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.05 min
Lab File: BF088379.D
Acq: 25 Jun 2016 16:16

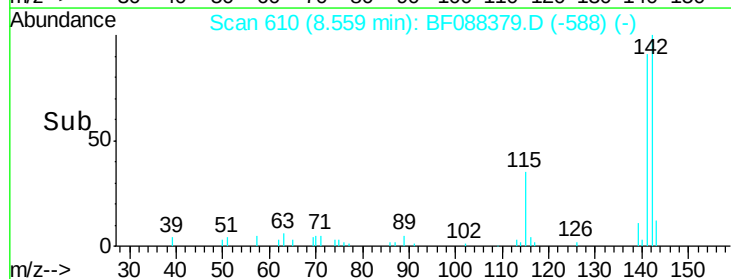
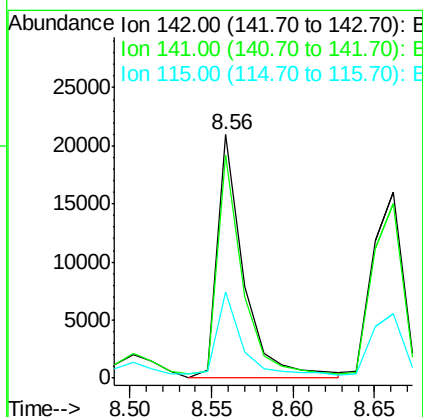
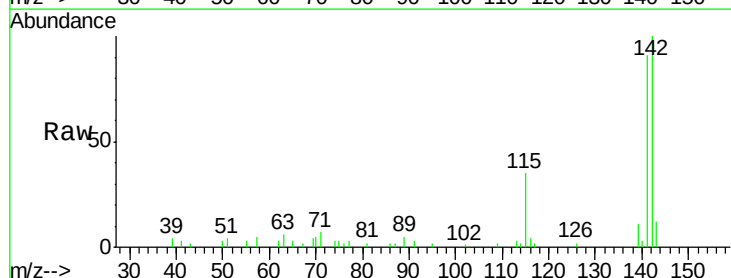
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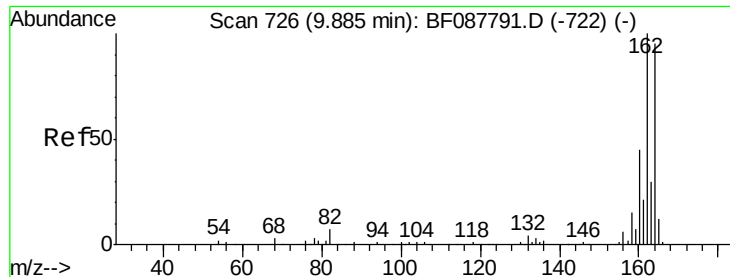
Tot Ion: 82 Resp: 343085
Ion Ratio Lower Upper
82 100
128 41.7 35.9 53.9
54 48.3 40.9 61.3



#37
2-Methylnaphthalene
Concen: 2.30 ng
RT: 8.56 min Scan# 610
Delta R.T. -0.05 min
Lab File: BF088379.D
Acq: 25 Jun 2016 16:16

Tgt Ion: 142 Resp: 23592
Ion Ratio Lower Upper
142 100
141 91.4 71.0 106.6
115 35.3 22.6 33.8#

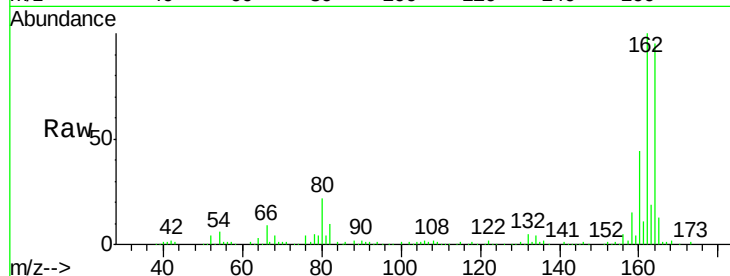




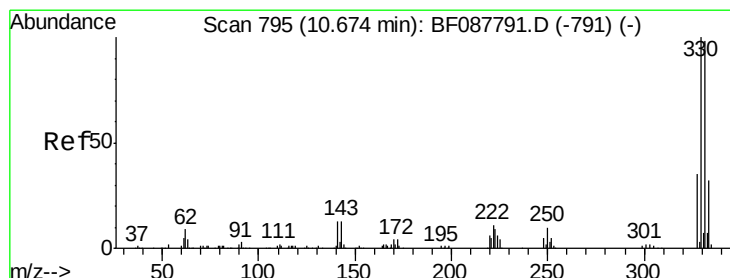
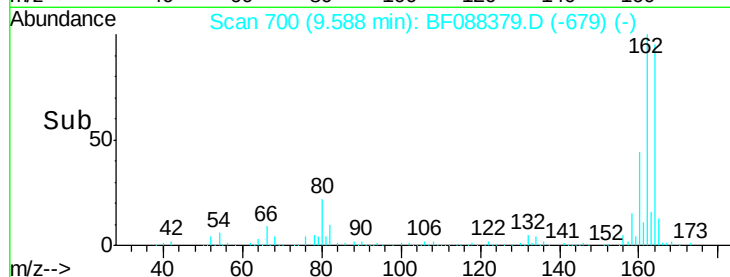
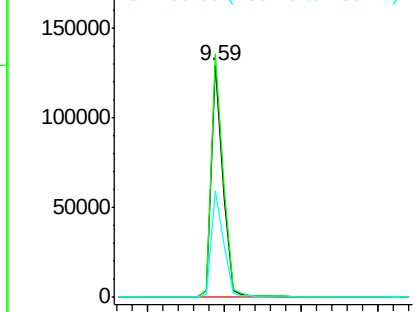
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 700
 Delta R.T. -0.06 min
 Lab File: BF088379.D
 Acq: 25 Jun 2016 16:16

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1491(0-4)

Tot Ion:164 Resp: 135962
 Ion Ratio Lower Upper
 164 100
 162 105.1 85.4 128.2
 160 46.1 39.5 59.3

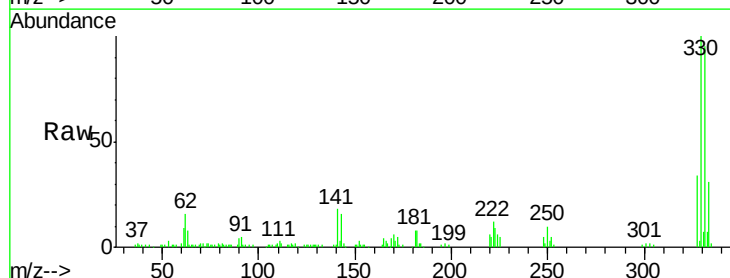


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

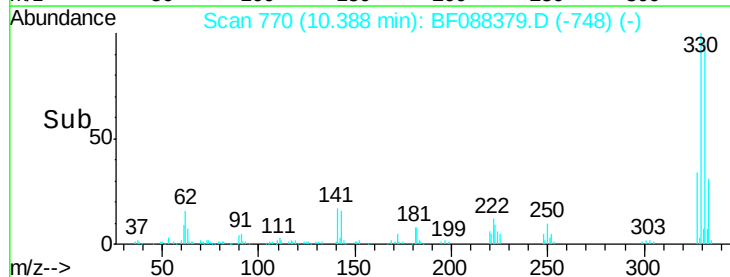
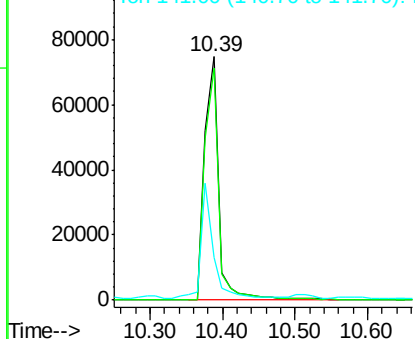


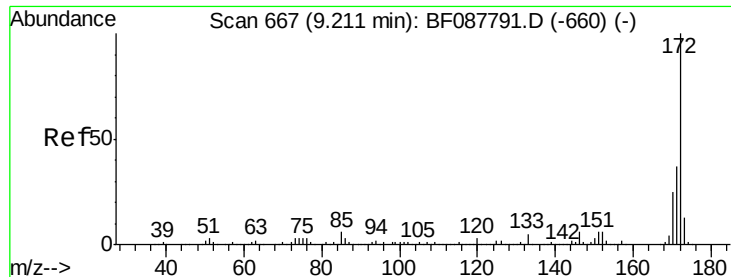
#41
 2,4,6-Tribromophenol
 Concen: 71.04 ng
 RT: 10.39 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF088379.D
 Acq: 25 Jun 2016 16:16

Tgt Ion:330 Resp: 101992
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 40.4 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

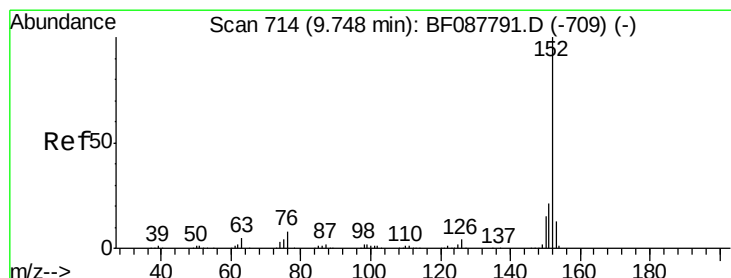
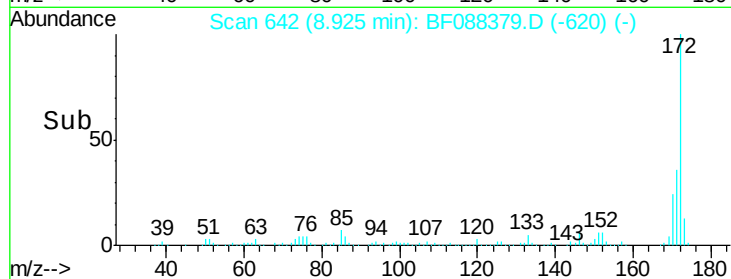
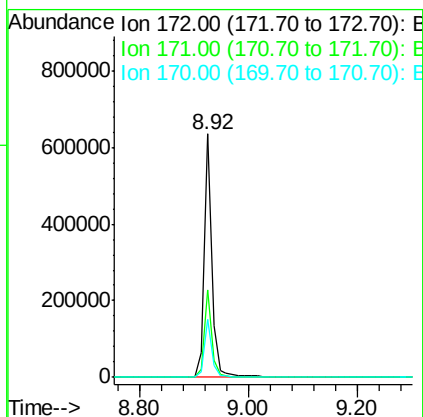
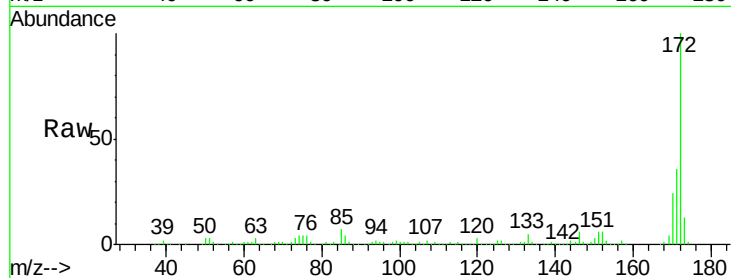




#44
 2-Fluorobiphenyl
 Concen: 71.15 ng
 RT: 8.92 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF088379.D
 Acq: 25 Jun 2016 16:16

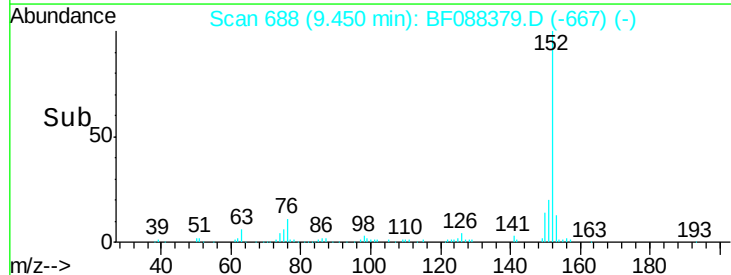
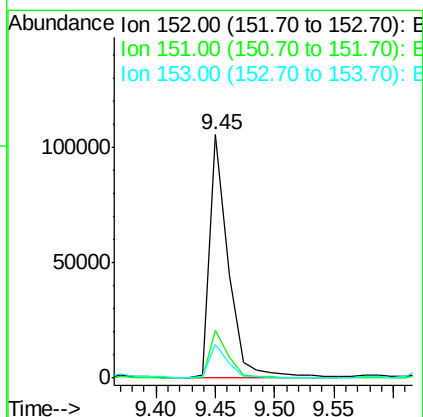
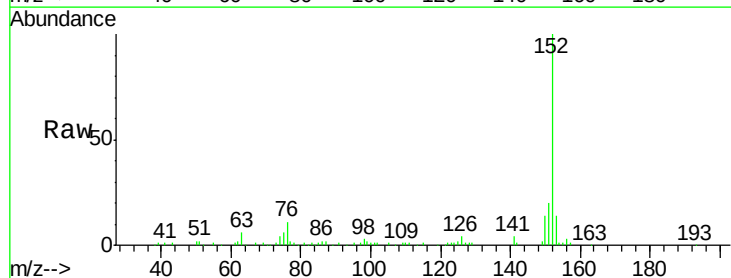
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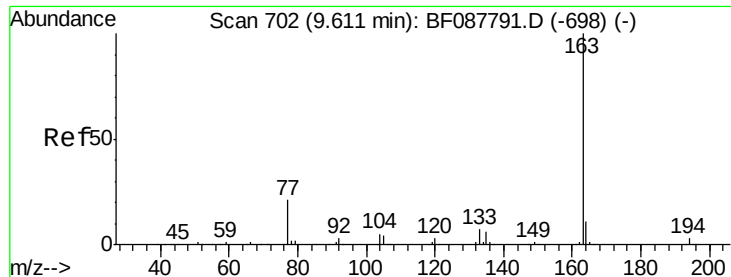
Tot Ion:172 Resp: 623568
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 23.9 19.2 28.8



#48
 Acenaphthylene
 Concen: 8.30 ng
 RT: 9.45 min Scan# 688
 Delta R.T. -0.06 min
 Lab File: BF088379.D
 Acq: 25 Jun 2016 16:16

Tgt Ion:152 Resp: 116191
 Ion Ratio Lower Upper
 152 100
 151 19.6 16.2 24.4
 153 13.8 11.0 16.6

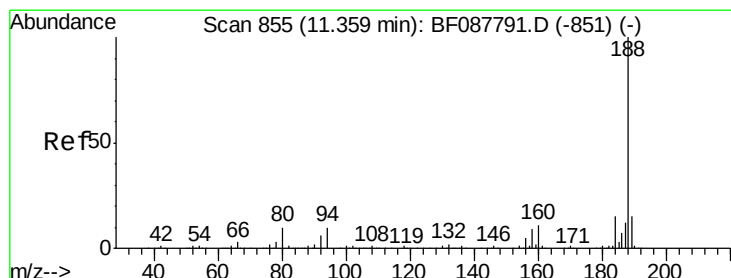
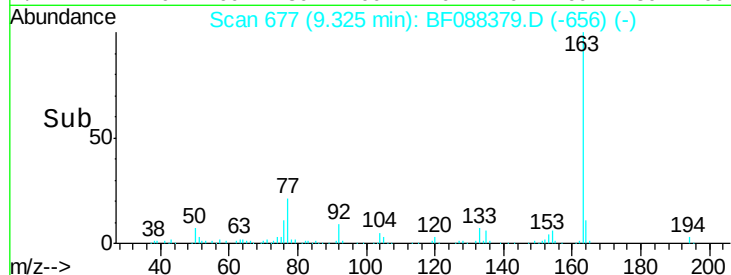
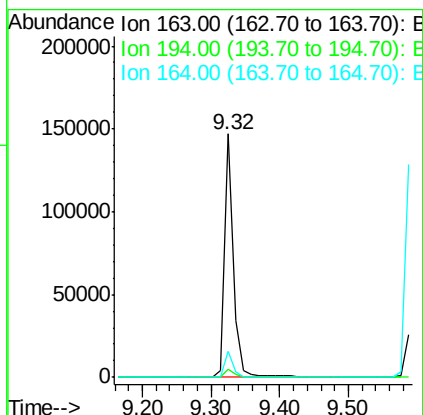
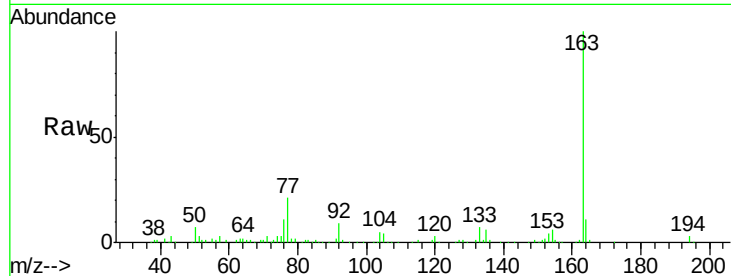




#49
Dimethylphthalate
Concen: 13.81 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF088379.D
Acq: 25 Jun 2016 16:16

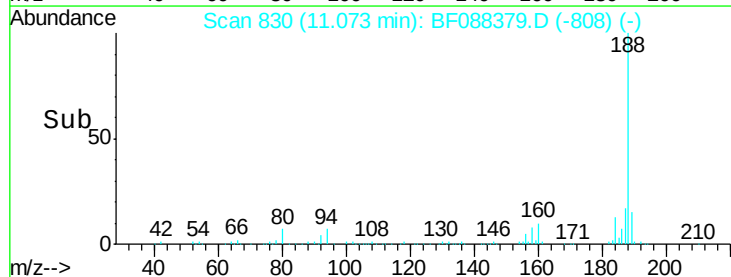
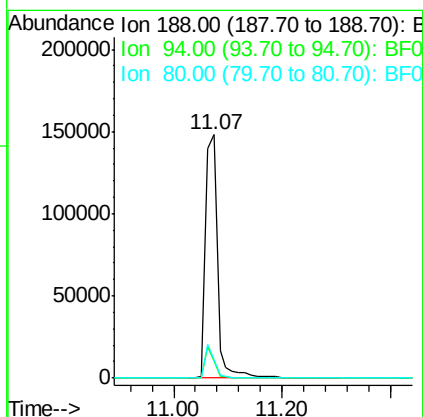
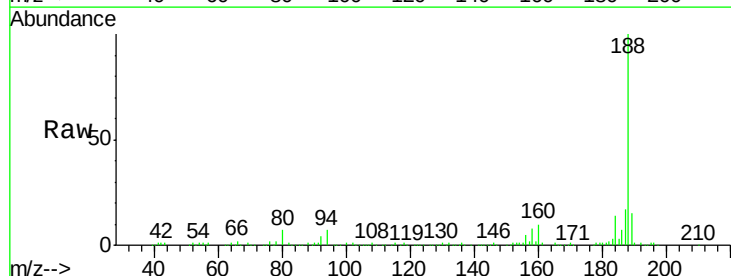
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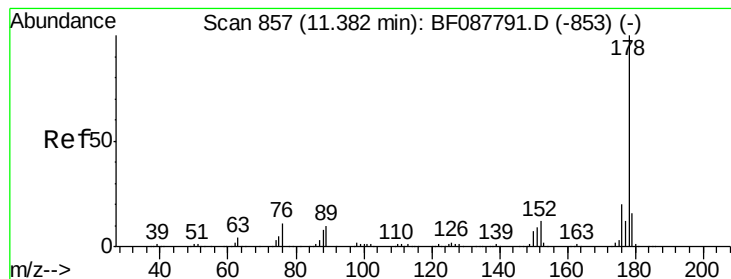
Tot Ion:163 Resp: 135976
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.6 8.3 12.5



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.05 min
Lab File: BF088379.D
Acq: 25 Jun 2016 16:16

Tgt Ion:188 Resp: 228389
Ion Ratio Lower Upper
188 100
94 7.3 9.0 13.6#
80 7.3 10.0 15.0#





#70

Phenanthrene

Concen: 11.31 ng

RT: 11.10 min Scan# 832

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

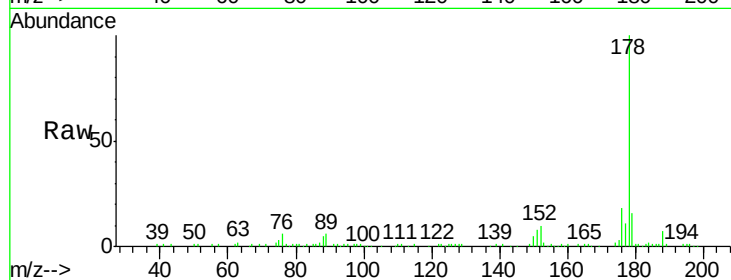
Tot Ion:178 Resp: 135591

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.6

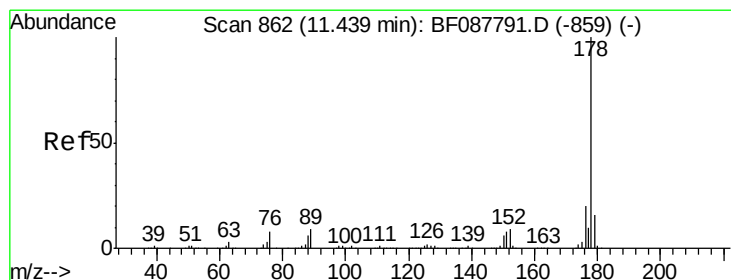
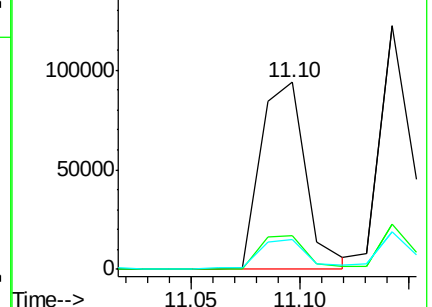
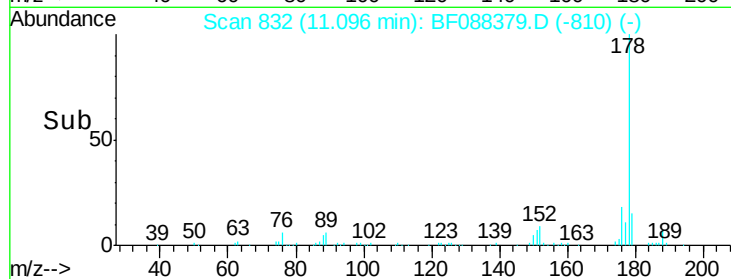
179 15.7 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 12.24 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

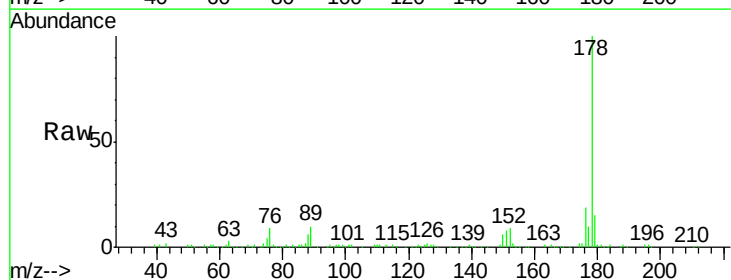
Tgt Ion:178 Resp: 148007

Ion Ratio Lower Upper

178 100

176 18.6 15.6 23.4

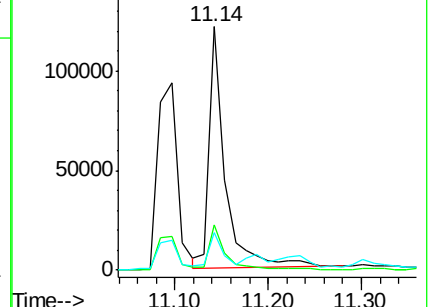
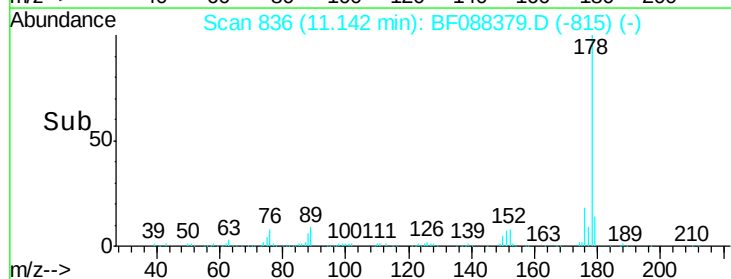
179 15.2 12.8 19.2

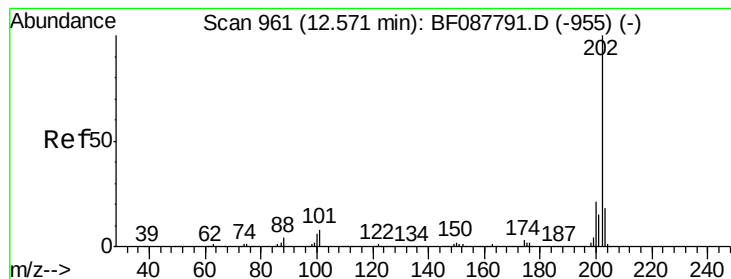


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 65.04 ng

RT: 12.29 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

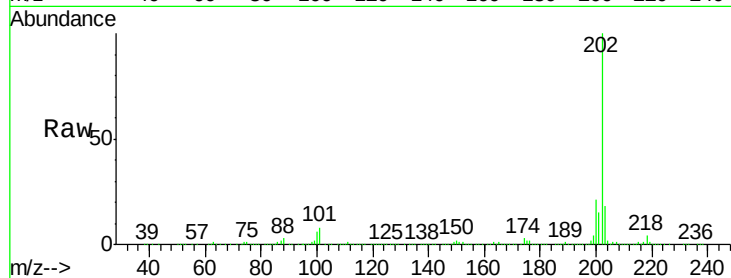
Tot Ion:202 Resp: 822540

Ion Ratio Lower Upper

202 100

101 8.0 0.0 33.1

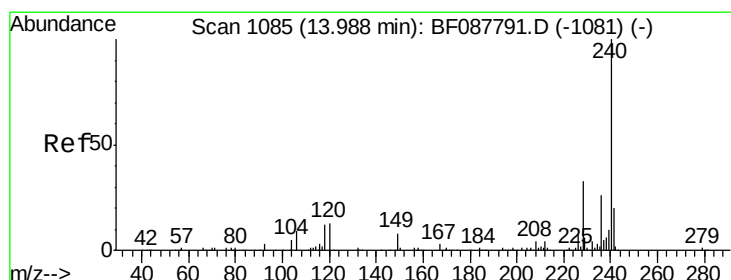
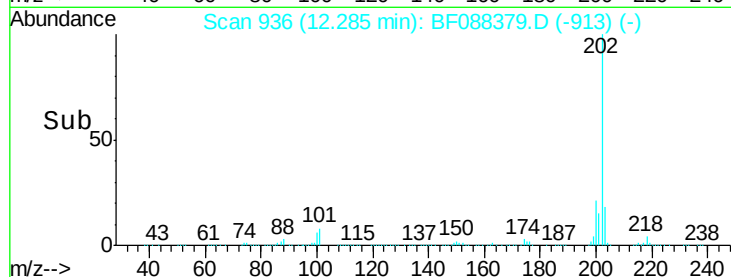
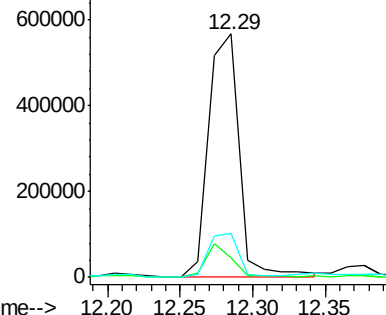
203 17.8 0.0 38.1



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: 13.70 min Scan# 1060

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

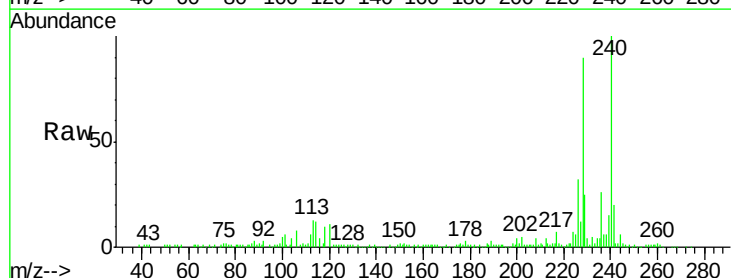
Tgt Ion:240 Resp: 149109

Ion Ratio Lower Upper

240 100

120 11.2 6.8 10.2#

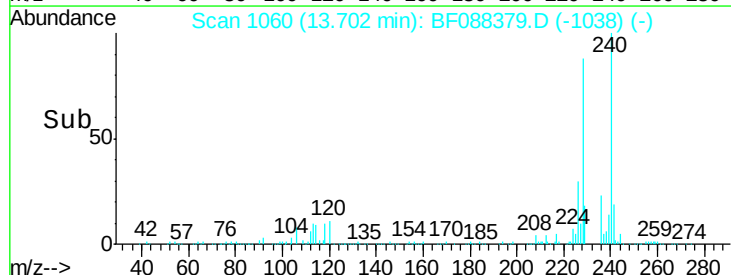
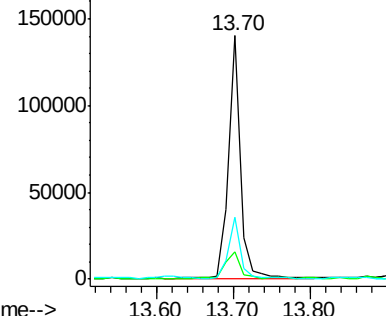
236 25.6 20.2 30.2

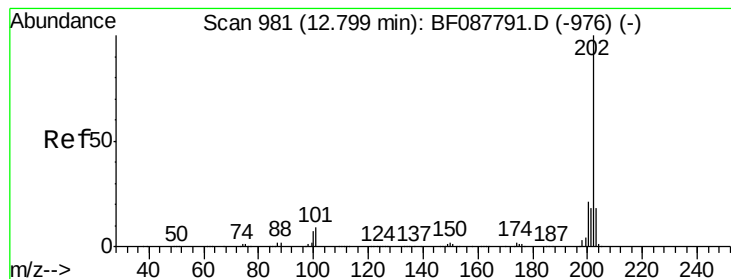


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 69.55 ng

RT: 12.50 min Scan# 955

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

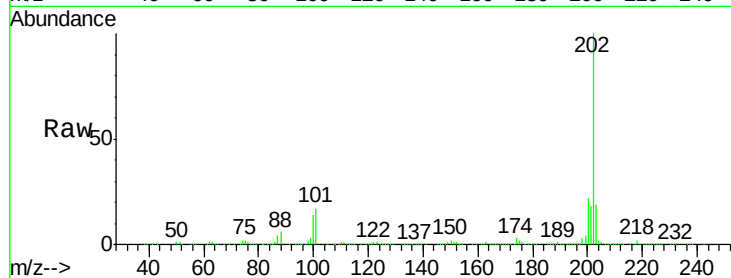
Tot Ion:202 Resp: 769604

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

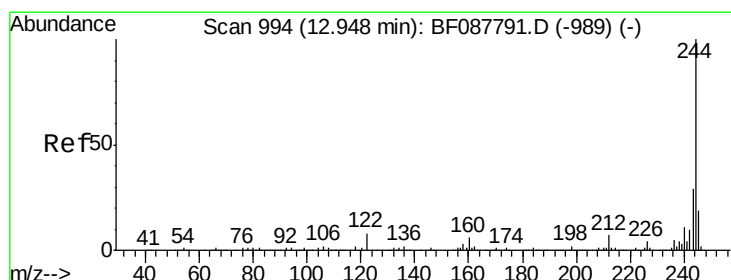
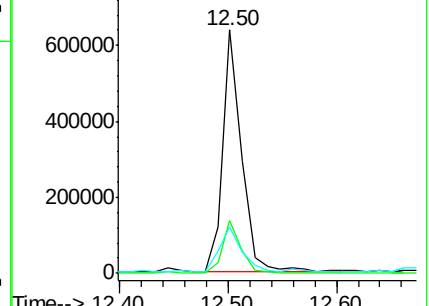
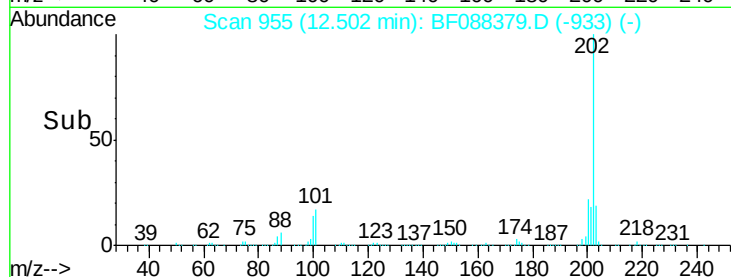
203 18.9 14.5 21.7



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: 67.08 ng

RT: 12.65 min Scan# 968

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

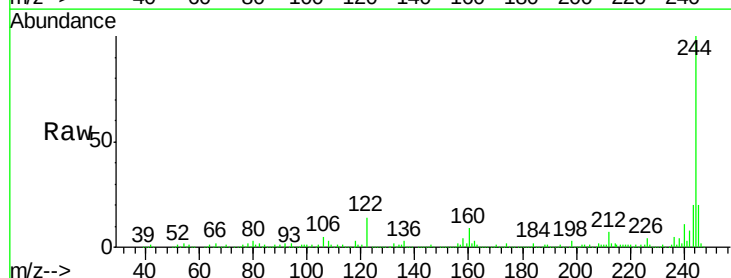
Tgt Ion:244 Resp: 439571

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

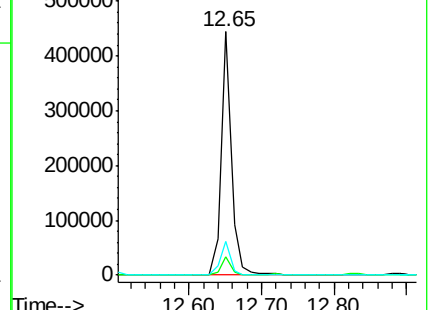
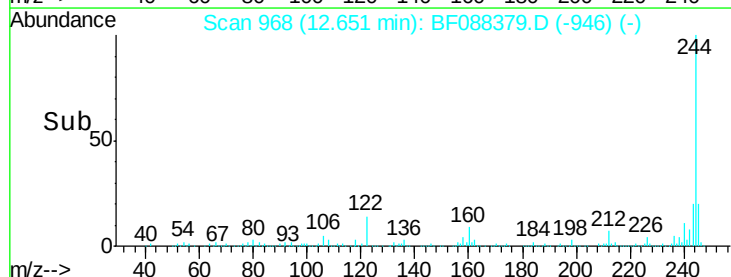
122 13.6 11.2 16.8

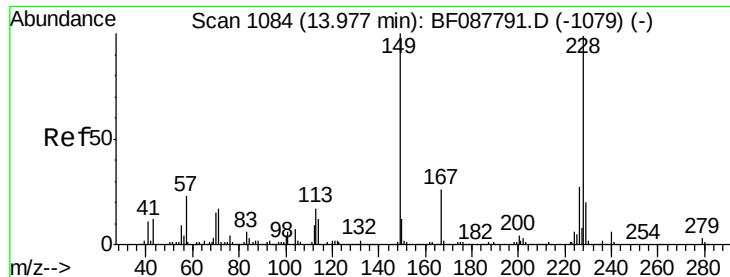


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 63.11 ng

RT: 13.69 min Scan# 1059

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

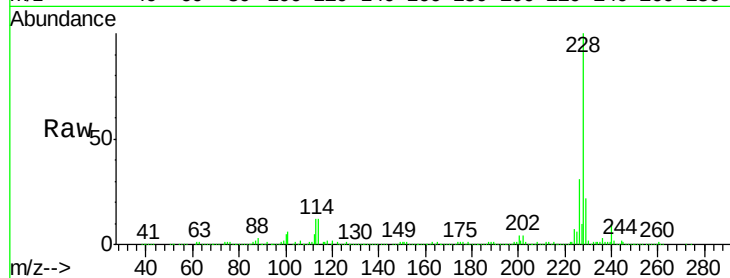
Tot Ion:228 Resp: 536285

Ion Ratio Lower Upper

228 100

226 31.3 22.3 33.5

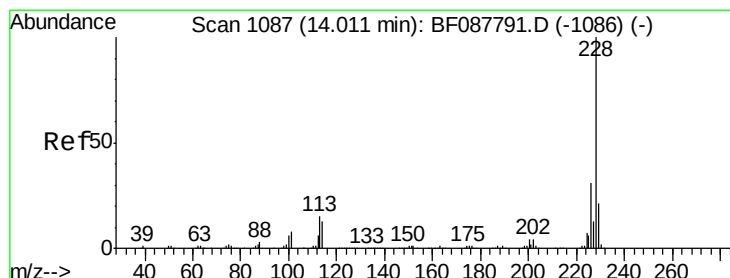
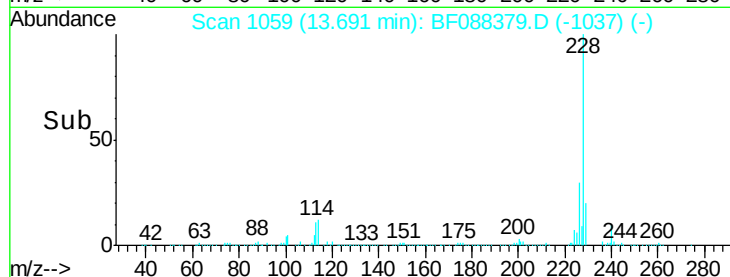
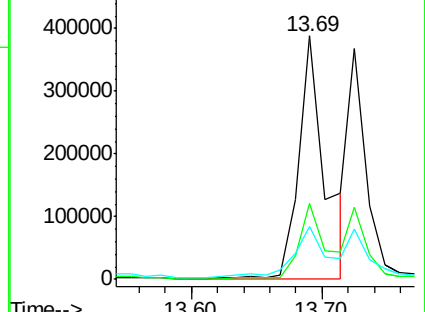
229 21.7 16.0 24.0



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



#82

Chrysene

Concen: 45.35 ng m

RT: 13.73 min Scan# 1062

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

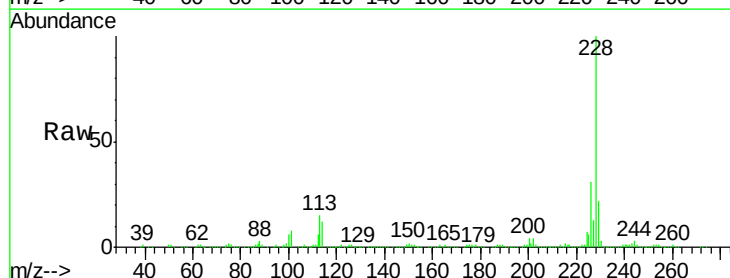
Tgt Ion:228 Resp: 362499

Ion Ratio Lower Upper

228 100

226 31.1 25.4 38.2

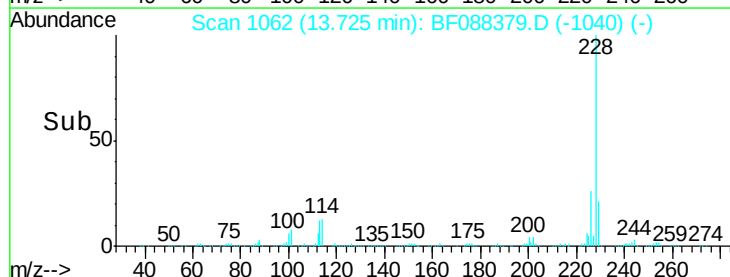
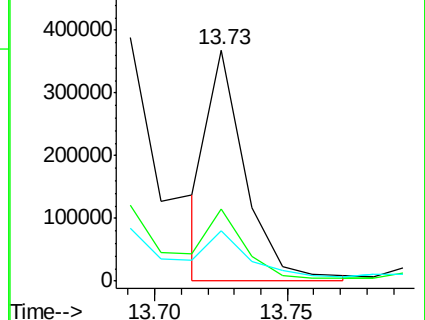
229 21.7 16.3 24.5

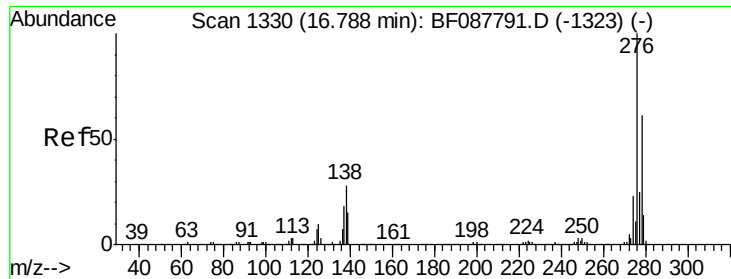


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

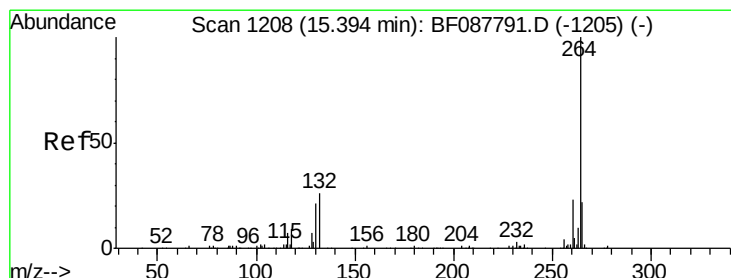
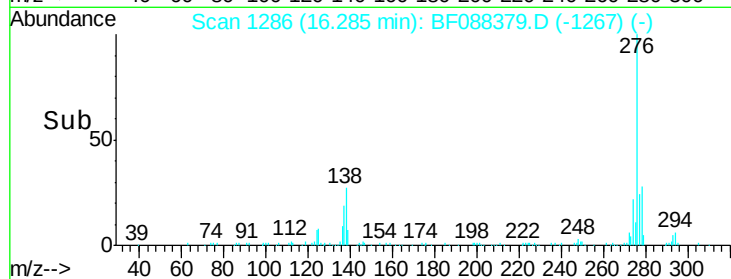
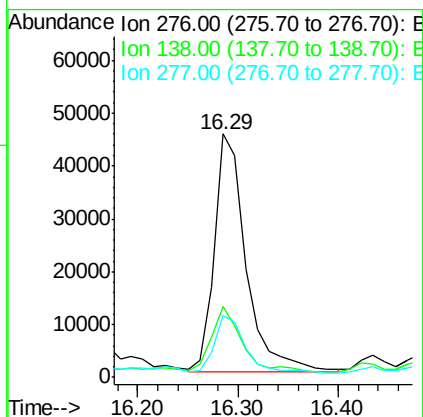
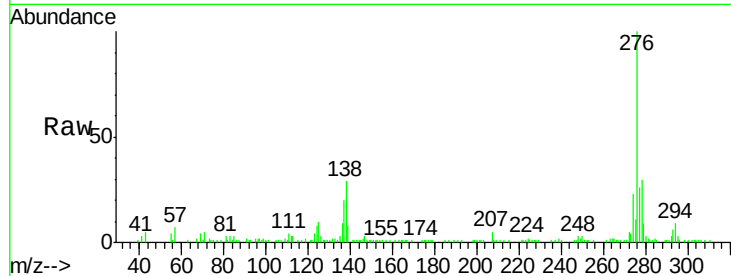




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.24 ng
 RT: 16.29 min Scan# 1286
 Delta R.T. -0.08 min
 Lab File: BF088379.D
 Acq: 25 Jun 2016 16:16

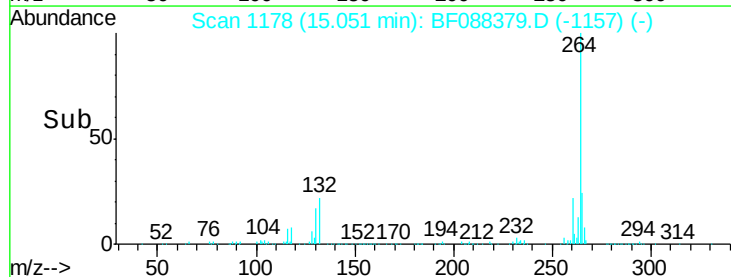
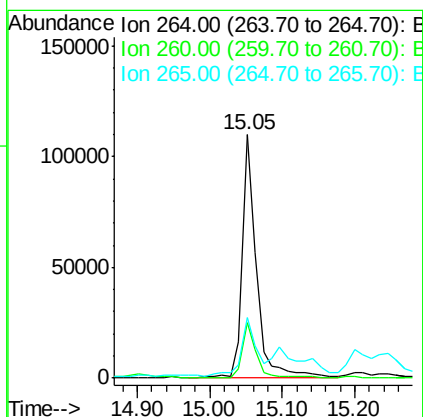
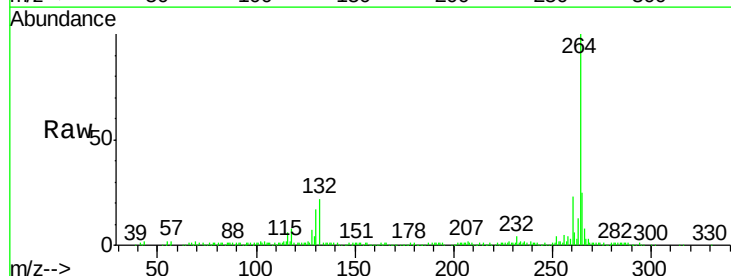
Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1491(0-4)

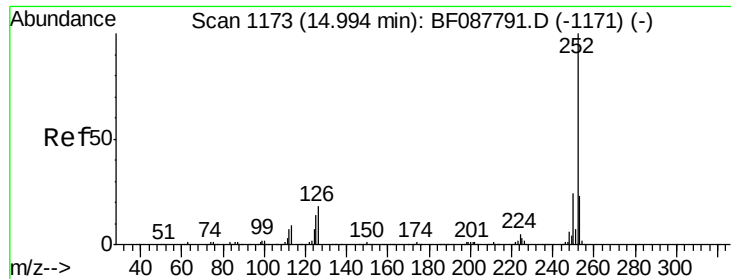
Tot Ion:276 Resp: 98370
 Ion Ratio Lower Upper
 276 100
 138 26.3 0.0 0.0#
 277 24.0 0.0 0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.05 min Scan# 1178
 Delta R.T. -0.06 min
 Lab File: BF088379.D
 Acq: 25 Jun 2016 16:16

Tgt Ion:264 Resp: 147264
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 24.8 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 40.39 ng m

RT: 14.70 min Scan# 1147

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

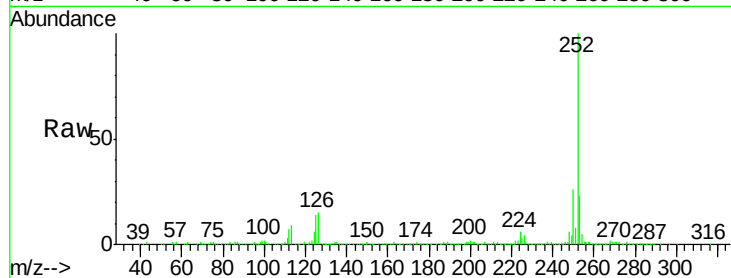
Tot Ion:252 Resp: 414595

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

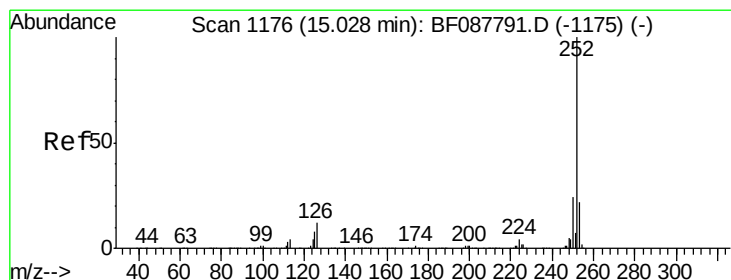
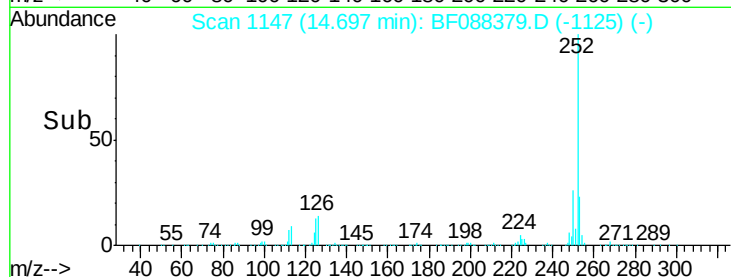
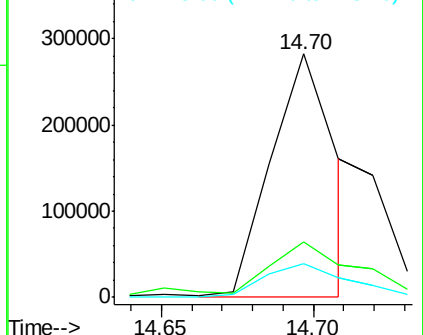
125 13.6 7.1 10.7#



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: 16.78 ng m

RT: 14.71 min Scan# 1148

Delta R.T. -0.06 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

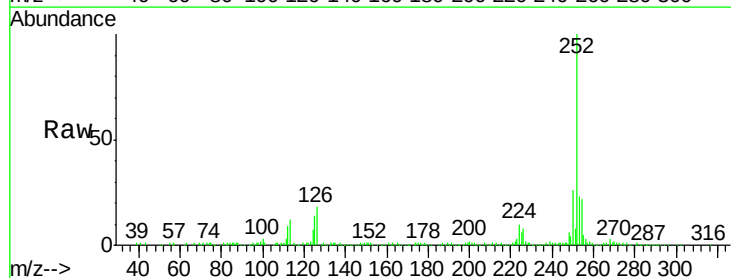
Tgt Ion:252 Resp: 129908

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

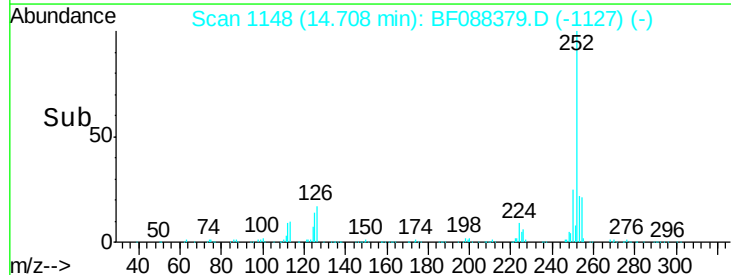
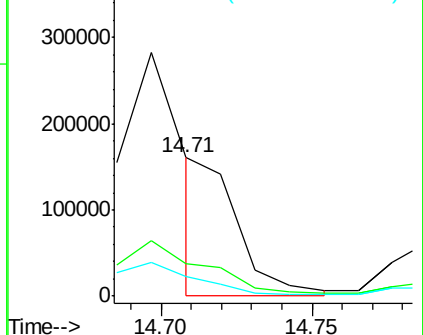
125 14.2 11.2 16.8

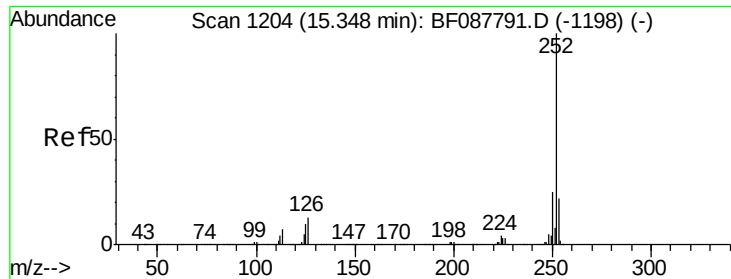


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 29.51 ng/mL

RT: 15.01 min Scan# 1174

Delta R.T. -0.05 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

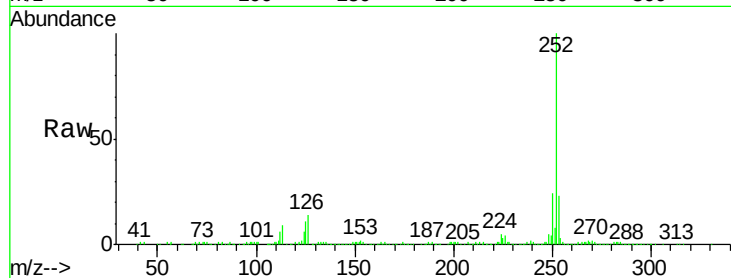
Tot Ion: 252 Resp: 245054

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 11.1 12.5 18.7#

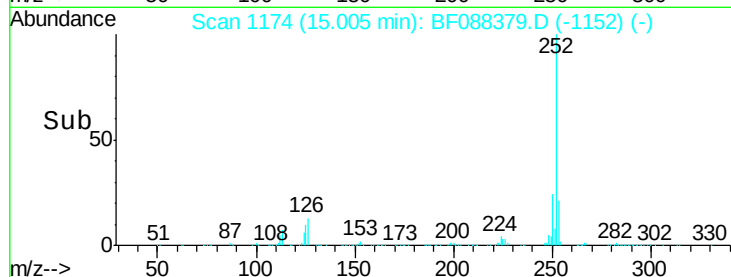


Abundance Ion 252.00 (251.70 to 252.70): E

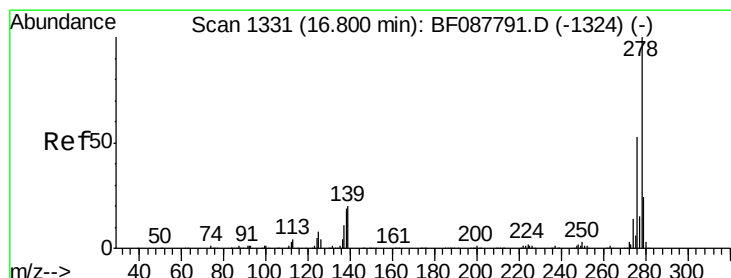
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time--> 14.95 15.00 15.05



Time--> 14.95 15.00 15.05



#90

Dibenzo(a,h)anthracene

Concen: 4.30 ng/mL

RT: 16.29 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

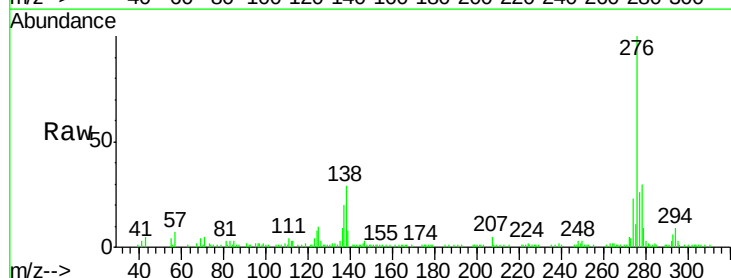
Tgt Ion: 278 Resp: 33190

Ion Ratio Lower Upper

278 100

139 28.1 15.7 23.5#

279 29.9 19.4 29.2#

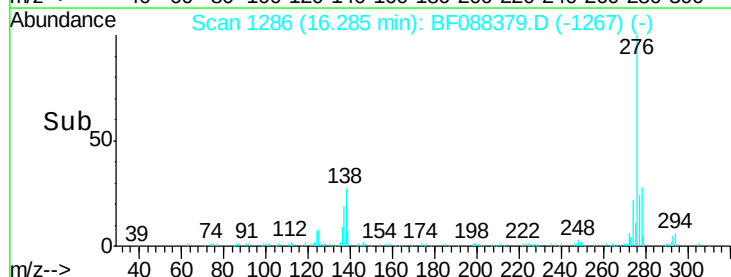


Abundance Ion 278.00 (277.70 to 278.70): E

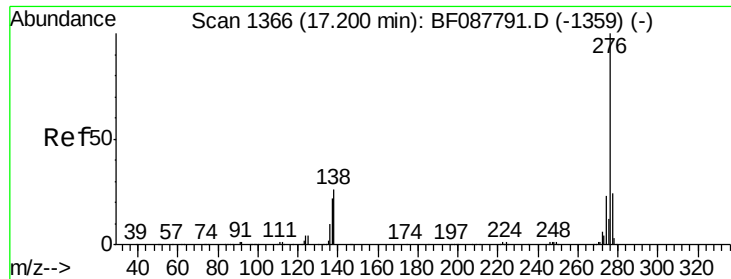
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

Time--> 16.25 16.30 16.35



Time--> 16.25 16.30 16.35



#91

Benzo(a,h,i)perylene

Concen: 11.34 ng

RT: 16.66 min Scan# 1319

Delta R.T. -0.08 min

Lab File: BF088379.D

Acq: 25 Jun 2016 16:16

Instrument :

BNA_F

ClientSampleId :

SC-STA-1491(0-4)

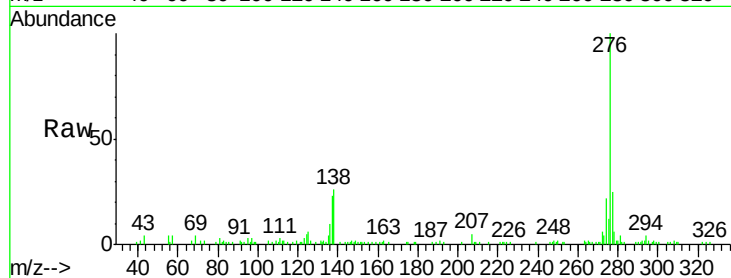
Tot Ion:276 Resp: 90005

Ion Ratio Lower Upper

276 100

277 25.3 18.9 28.3

138 26.3 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

