

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031517\
 Data File : BF093688.D
 Acq On : 16 Mar 2017 00:33
 Operator : SJ/MA
 Sample : I2264-16 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-EE9-ESW

Quant Time: Mar 16 03:37:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

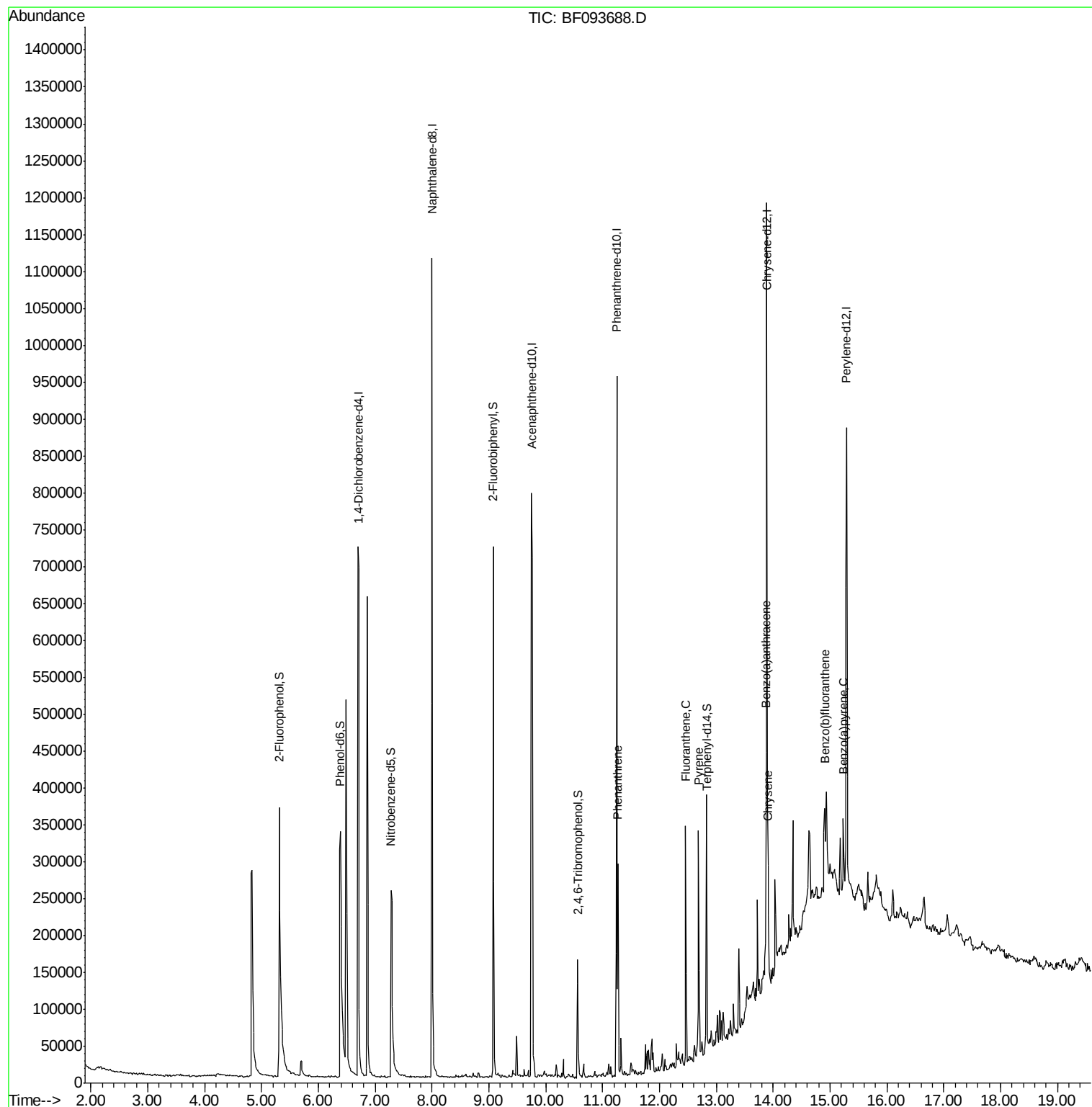
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	166501	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	594259	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	220688	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	339644	20.00	ng	0.00
75) Chrysene-d12	13.89	240	352282	20.00	ng	0.00
86) Perylene-d12	15.29	264	295992	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	215695	21.56	ng	0.00
7) Phenol-d6	6.39	99	297702	23.60	ng	0.01
23) Nitrobenzene-d5	7.28	82	175691	16.40	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	27601	19.20	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	238598	20.11	ng	-0.01
78) Terphenyl-d14	12.84	244	146205	10.79	ng	0.01
Target Compounds						Qvalue
70) Phenanthrene	11.27	178	105834	5.46	ng	98
74) Fluoranthene	12.46	202	134399	7.18	ng	96
77) Pyrene	12.69	202	136251	5.32	ng	97
80) Benzo(a)anthracene	13.88	228	75466m	3.63	ng	
82) Chrysene	13.91	228	53191	2.76	ng	98
87) Benzo(b)fluoranthene	14.91	252	72238m	4.01	ng	
89) Benzo(a)pyrene	15.24	252	47506	2.88	ng	# 87

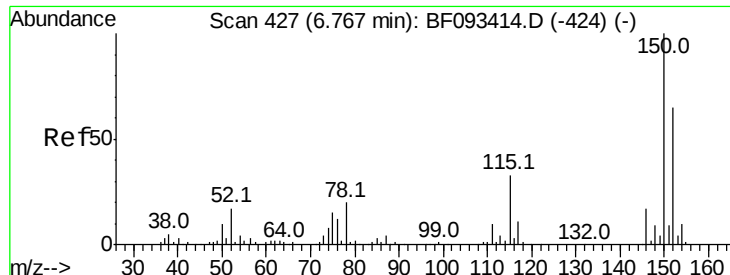
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 422

Delta R.T. -0.01 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

Instrument :

BNA_F

ClientSampleId :

E2-EE9-ESW

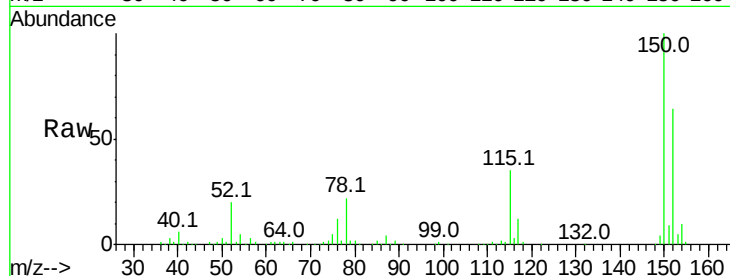
Tot Ion:152 Resp: 166501

Ion Ratio Lower Upper

152 100

150 155.9 124.9 187.3

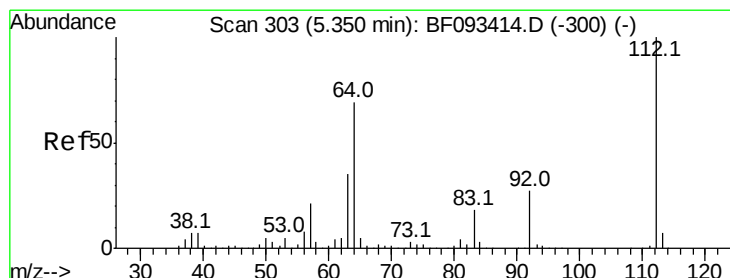
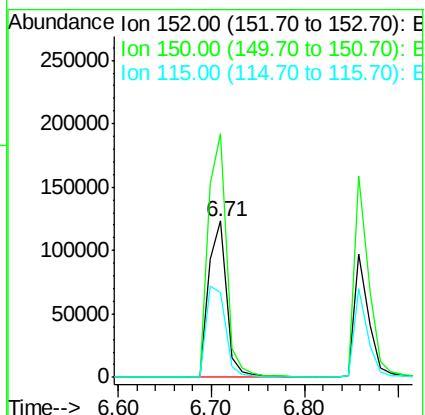
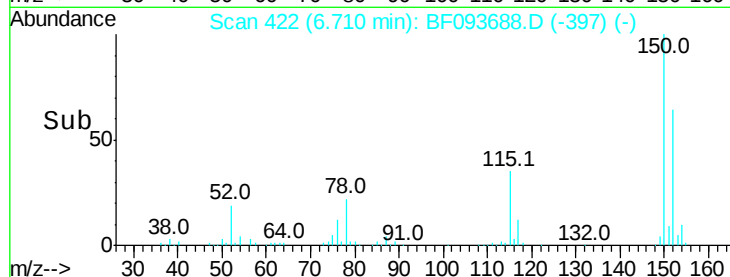
115 54.6 46.0 69.0



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: 21.56 ng

RT: 5.32 min Scan# 300

Delta R.T. -0.00 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

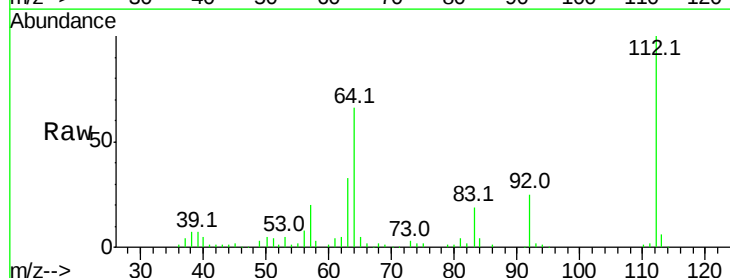
Tgt Ion:112 Resp: 215695

Ion Ratio Lower Upper

112 100

64 66.0 46.1 69.1

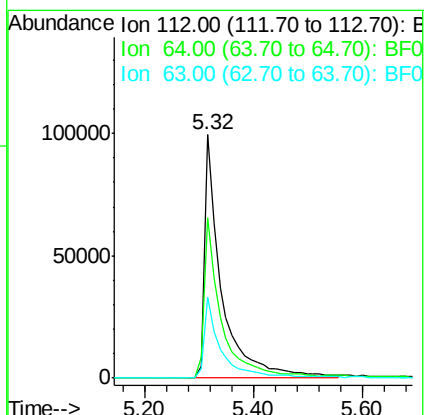
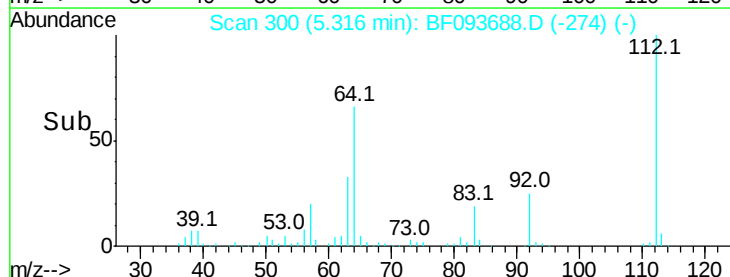
63 33.3 23.8 35.6

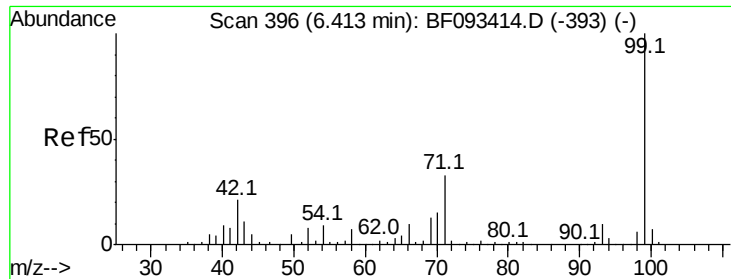


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.60 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

Instrument :

BNA_F

ClientSampleId :

E2-EE9-ESW

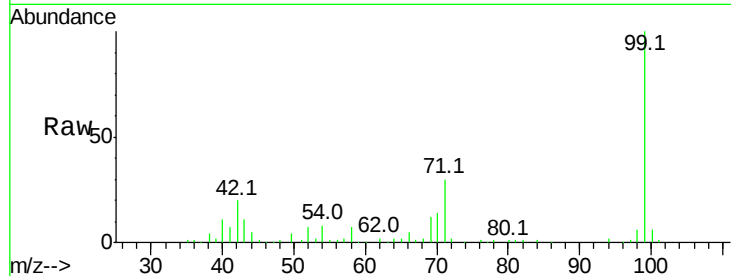
Tot Ion: 99 Resp: 297702

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

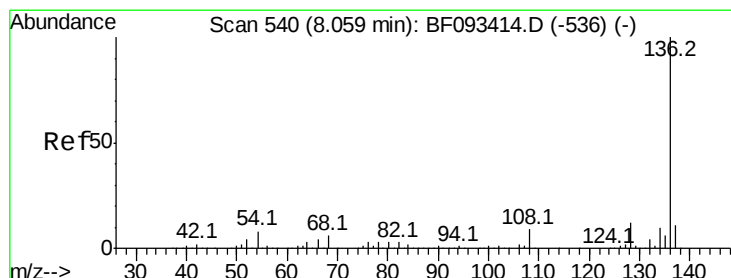
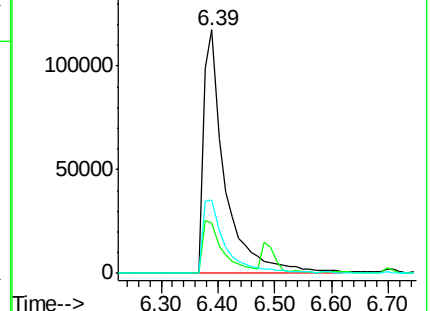
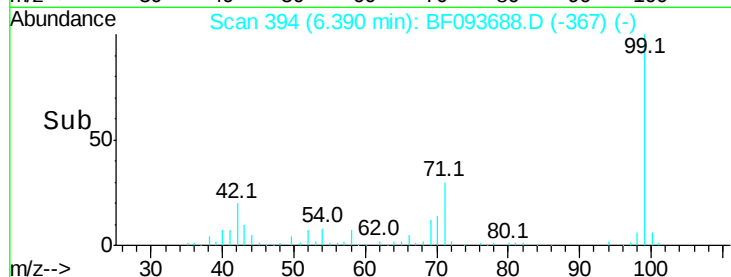
71 30.0 27.5 41.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

Tgt Ion: 136 Resp: 594259

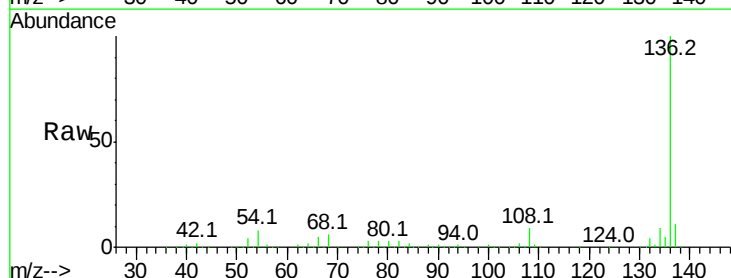
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 8.3 4.5 6.7#

68 5.9 3.6 5.4#

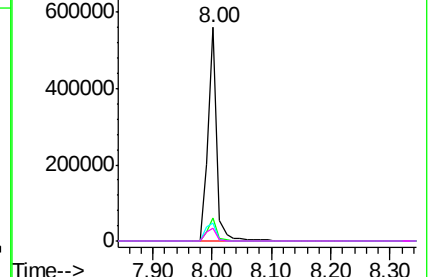
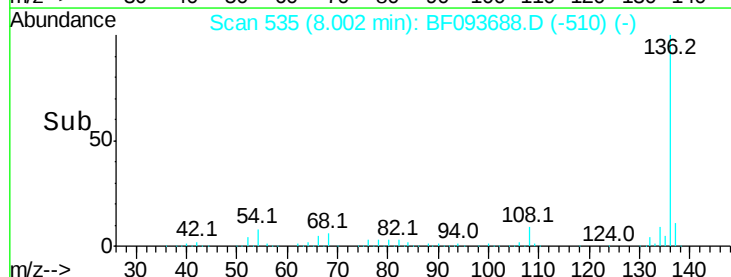


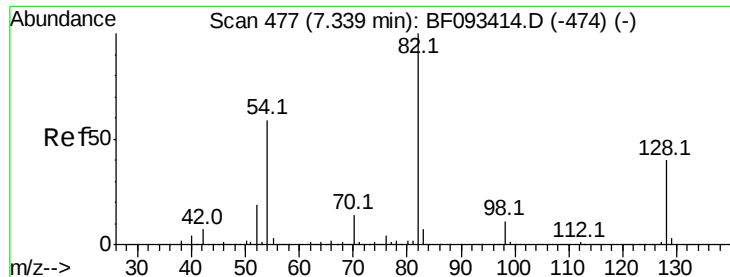
Abundance Ion 136.00 (135.70 to 136.70): E

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

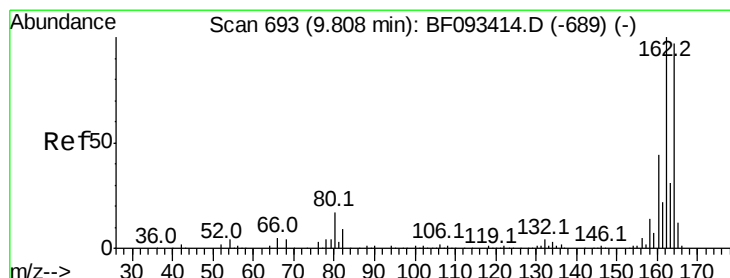
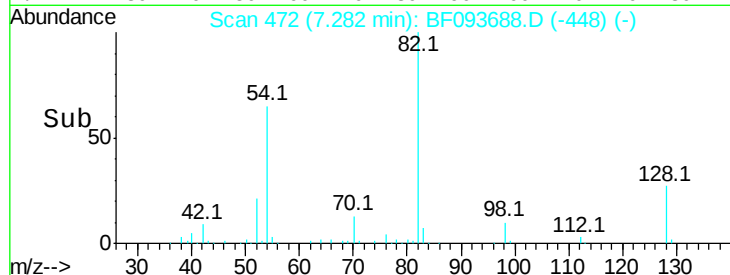
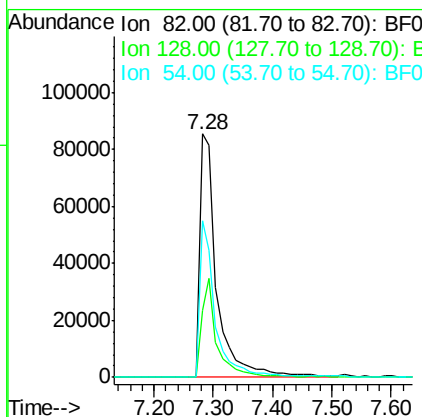
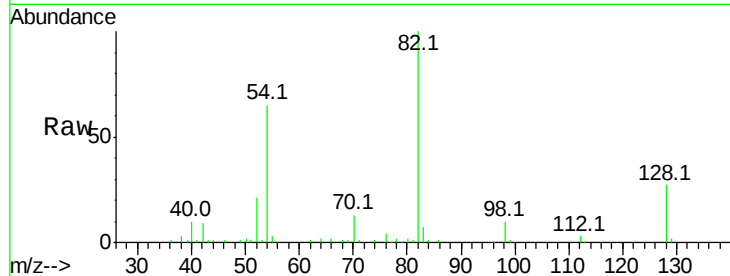




#23
Nitrobenzene-d5
Concen: 16.40 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093688.D
Acq: 16 Mar 2017 00:33

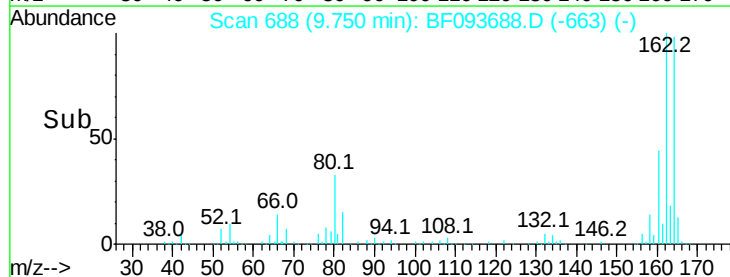
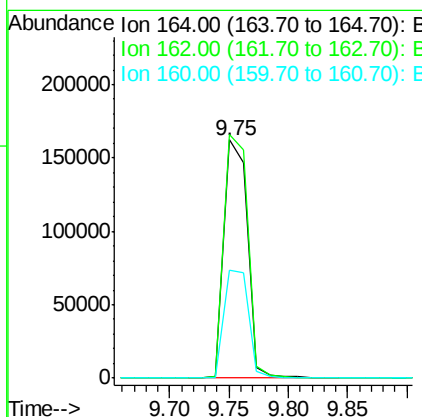
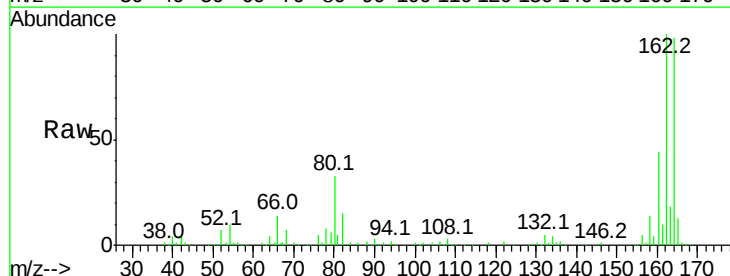
Instrument :
BNA_F
ClientSampleId :
E2-EE9-ESW

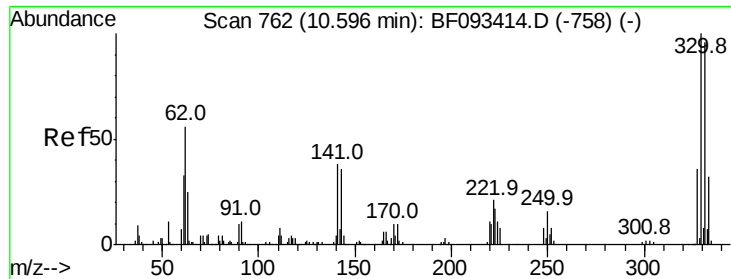
Tot Ion: 82 Resp: 175691
Ion Ratio Lower Upper
82 100
128 27.3 34.6 52.0#
54 64.5 39.5 59.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093688.D
Acq: 16 Mar 2017 00:33

Tgt Ion:164 Resp: 220688
Ion Ratio Lower Upper
164 100
162 102.3 80.2 120.2
160 45.1 36.9 55.3

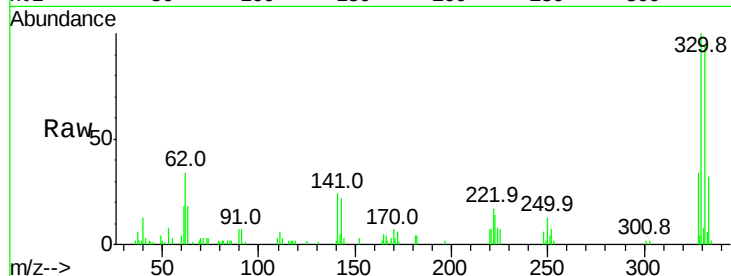




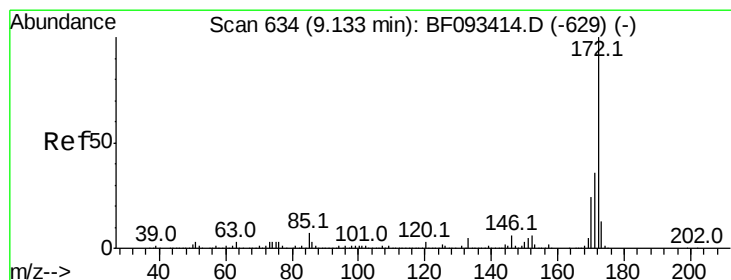
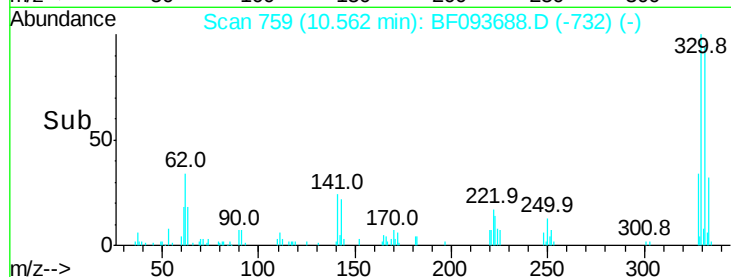
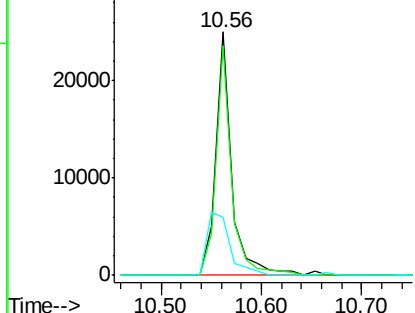
#41
 2,4,6-Tribromophenol
 Concen: 19.20 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093688.D
 Acq: 16 Mar 2017 00:33

Instrument :
 BNA_F
 ClientSampleId :
 E2-EE9-ESW

Tot Ion:330 Resp: 27601
 Ion Ratio Lower Upper
 330 100
 332 91.5 77.4 116.2
 141 37.2 34.1 51.1

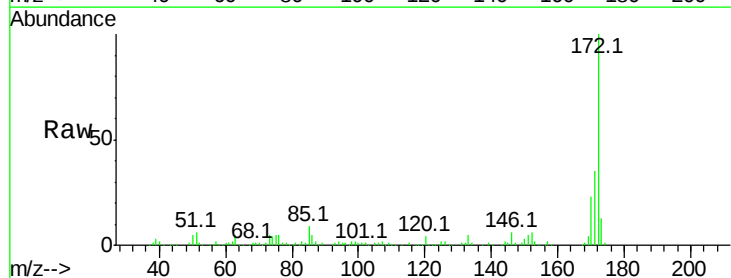


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

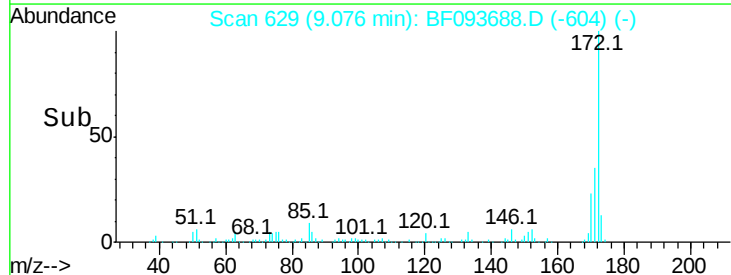
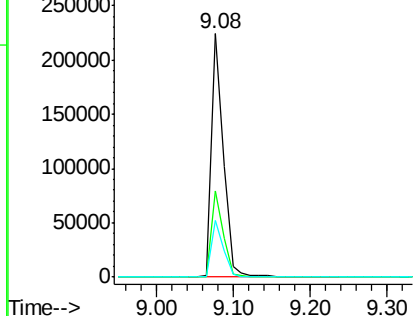


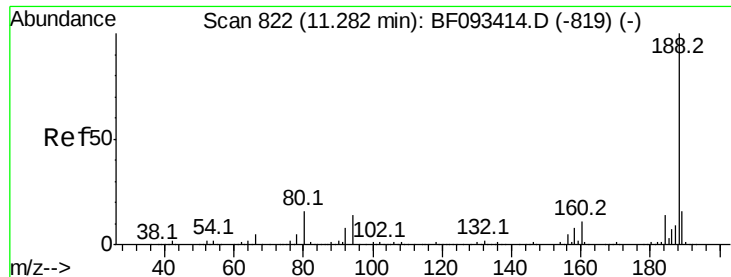
#44
 2-Fluorobiphenyl
 Concen: 20.11 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093688.D
 Acq: 16 Mar 2017 00:33

Tgt Ion:172 Resp: 238598
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.4 44.0
 170 23.5 20.2 30.4



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

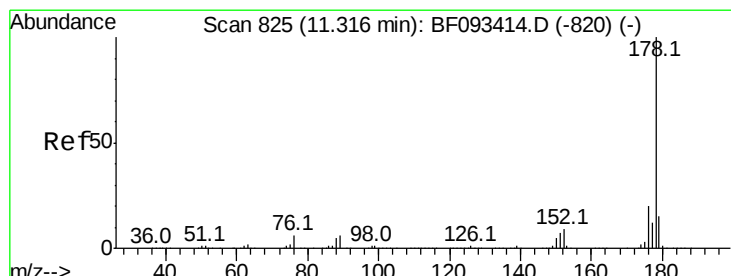
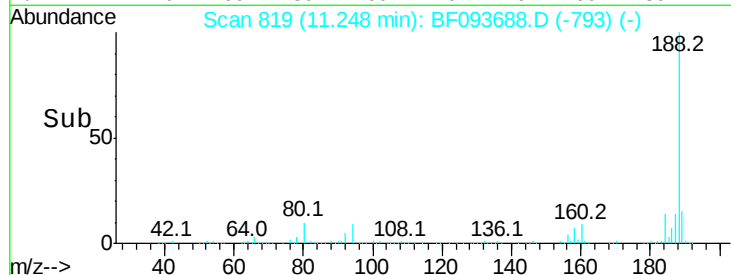
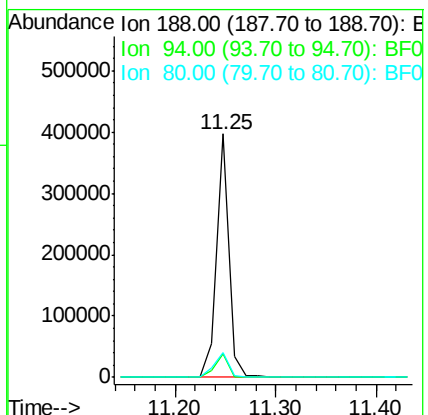
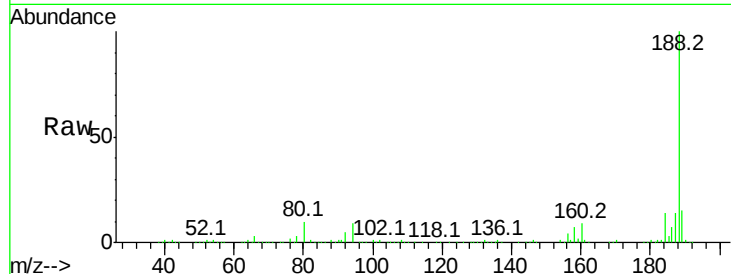




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. -0.00 min
Lab File: BF093688.D
Acq: 16 Mar 2017 00:33

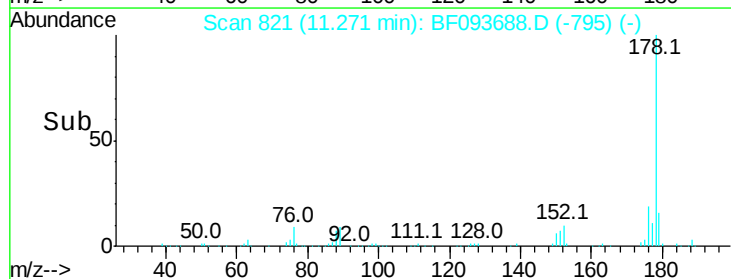
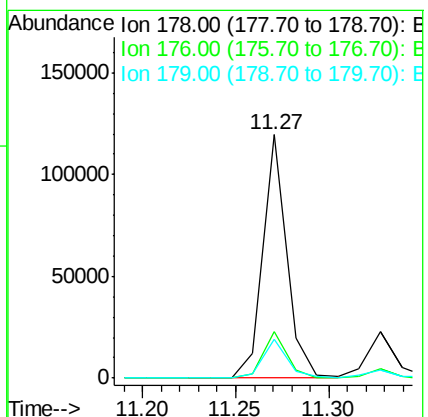
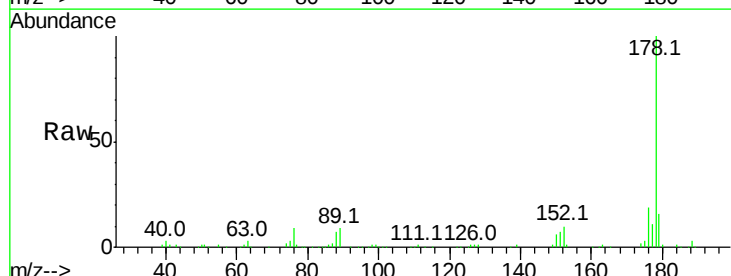
Instrument :
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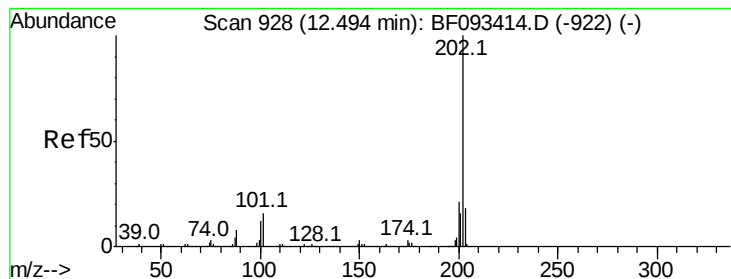
Tot Ion:188 Resp: 339644
Ion Ratio Lower Upper
188 100
94 9.4 10.0 15.0#
80 10.1 11.2 16.8#



#70
Phenanthrene
Concen: 5.46 ng
RT: 11.27 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF093688.D
Acq: 16 Mar 2017 00:33

Tgt Ion:178 Resp: 105834
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 15.7 12.8 19.2





#74

Fluoranthene

Concen: 7.18 ng

RT: 12.46 min Scan# 925

Delta R.T. -0.00 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

Instrument :

BNA_F

ClientSampleId :

E2-EE9-ESW

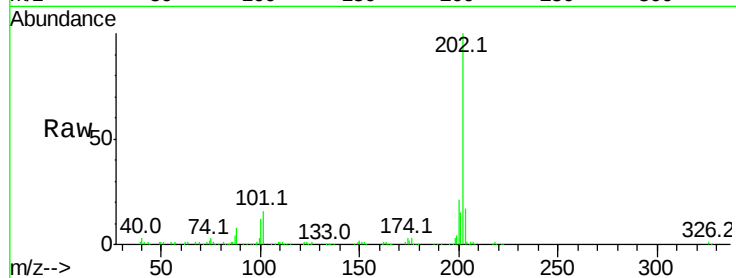
Tot Ion:202 Resp: 134399

Ion Ratio Lower Upper

202 100

101 15.7 0.0 34.6

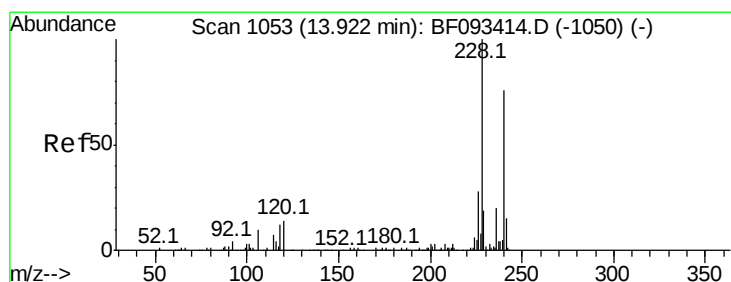
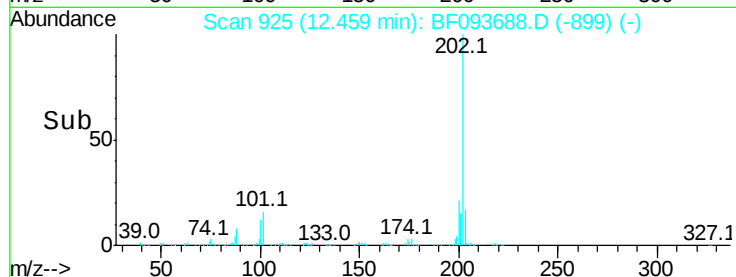
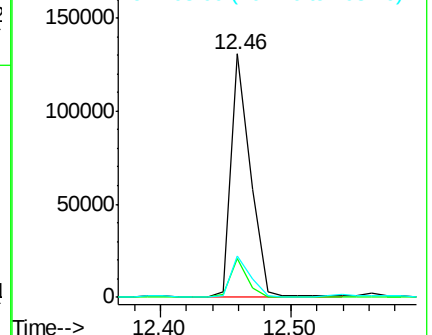
203 16.8 0.0 38.7



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: 13.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

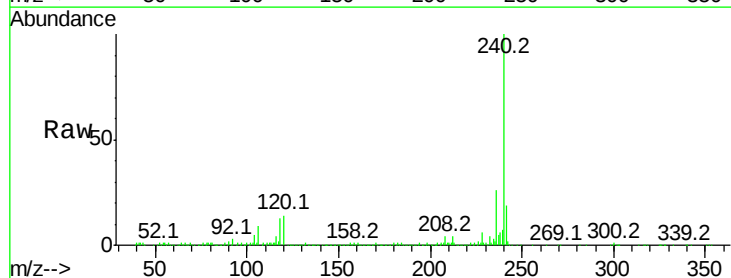
Tgt Ion:240 Resp: 352282

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

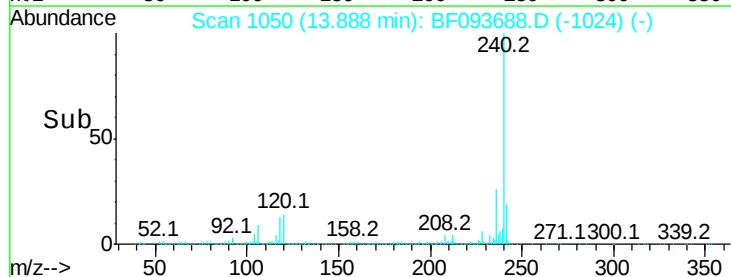
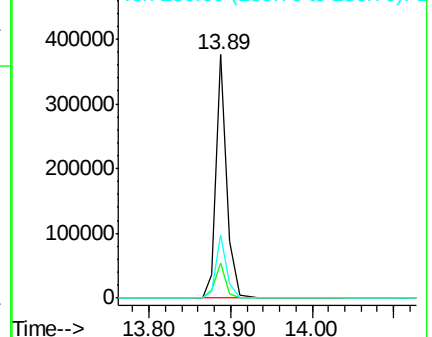
236 25.8 20.9 31.3

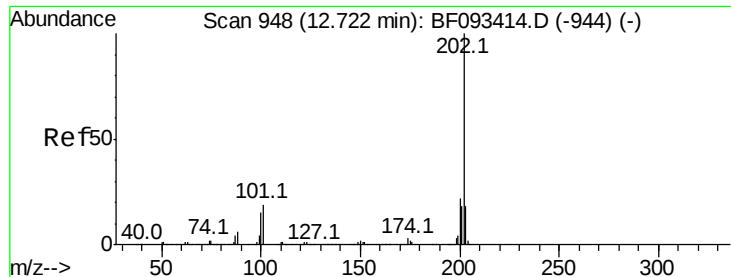


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.32 ng

RT: 12.69 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

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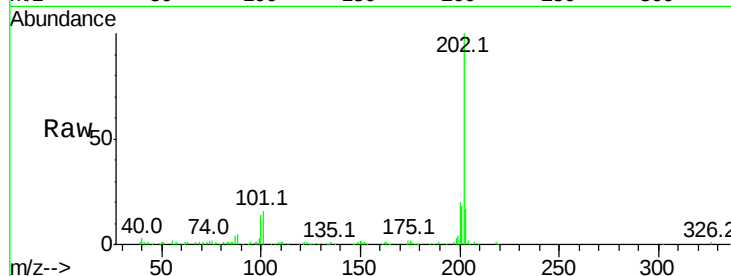
Tot Ion:202 Resp: 136251

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

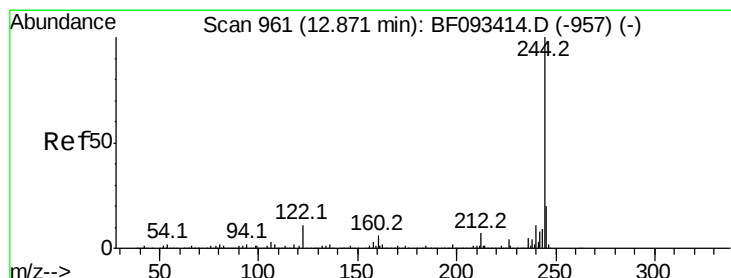
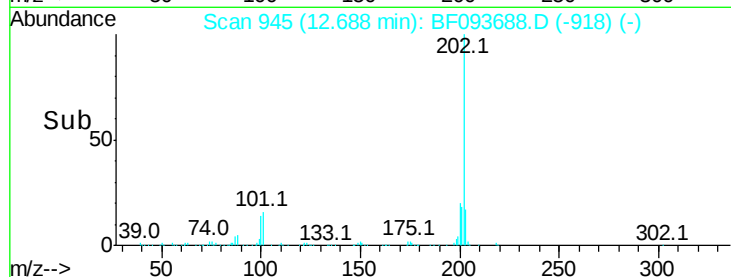
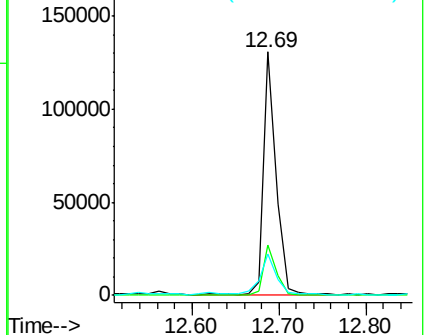
203 17.1 14.7 22.1



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: 10.79 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

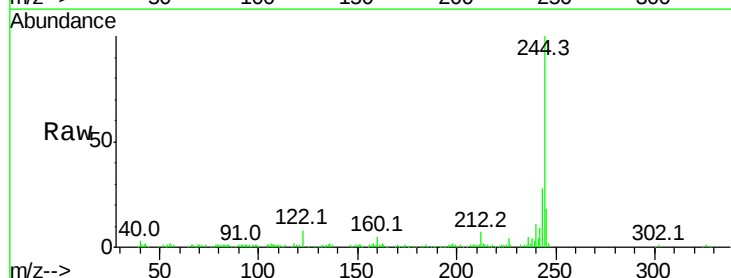
Tgt Ion:244 Resp: 146205

Ion Ratio Lower Upper

244 100

212 6.6 6.2 9.2

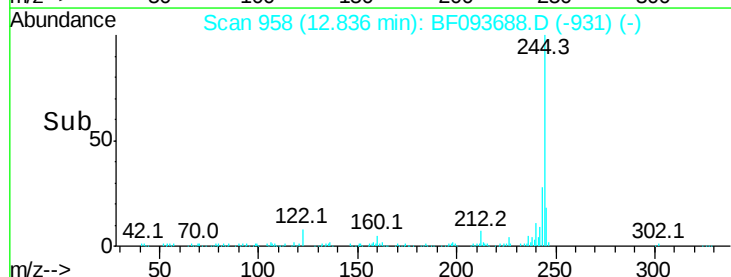
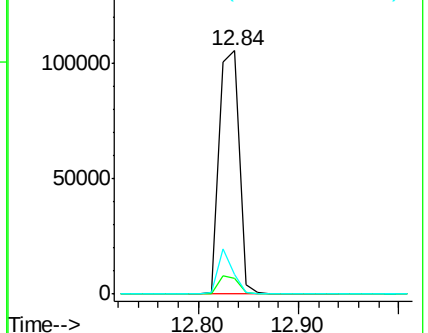
122 8.1 11.4 17.2#

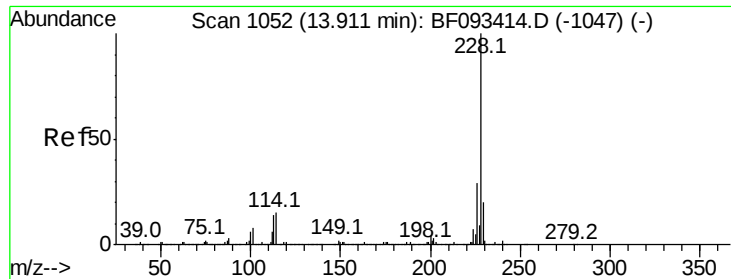


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

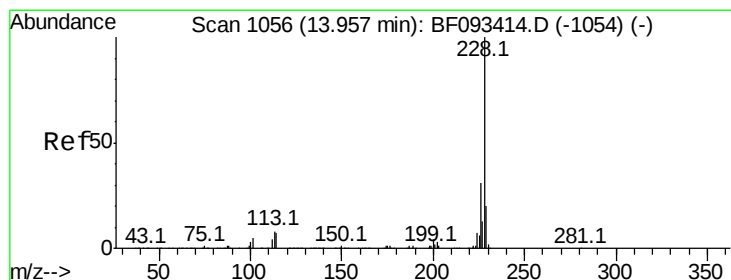
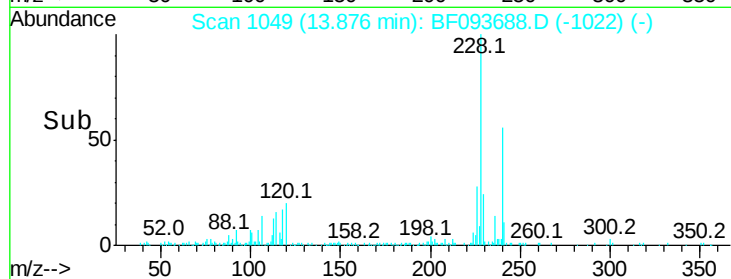
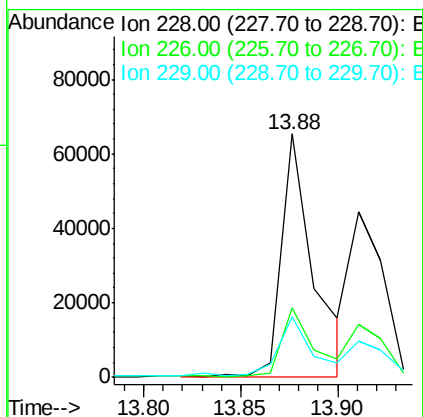
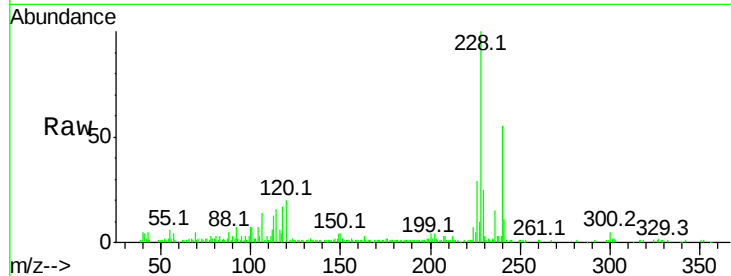




#80
Benzo(a)anthracene
Concen: 3.63 ng/mL
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093688.D
Acq: 16 Mar 2017 00:33

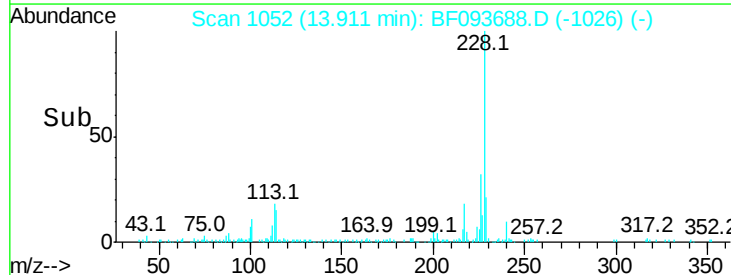
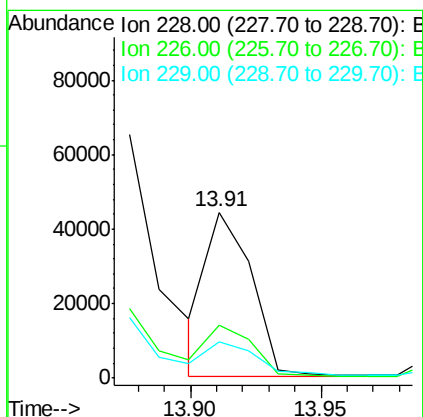
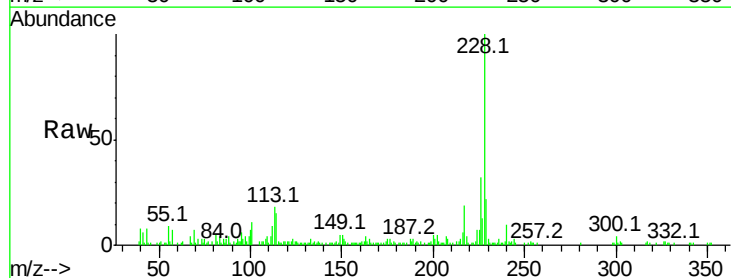
Instrument :
BNA_F
ClientSampleId :
E2-EE9-ESW

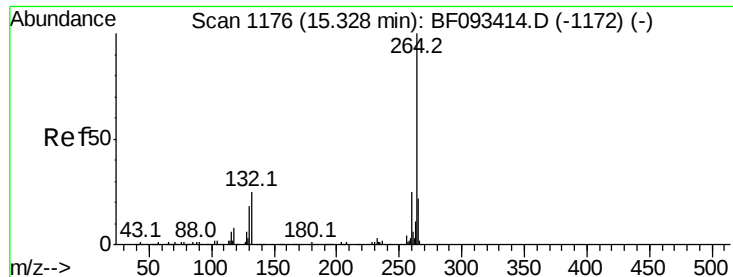
Tot Ion:228 Resp: 75466
Ion Ratio Lower Upper
228 100
226 28.6 22.4 33.6
229 25.1 16.2 24.4#



#82
Chrysene
Concen: 2.76 ng/mL
RT: 13.91 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BF093688.D
Acq: 16 Mar 2017 00:33

Tgt Ion:228 Resp: 53191
Ion Ratio Lower Upper
228 100
226 31.9 25.4 38.0
229 22.1 16.2 24.2





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1173

Delta R.T. 0.01 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

Instrument :

BNA_F

ClientSampleId :

E2-EE9-ESW

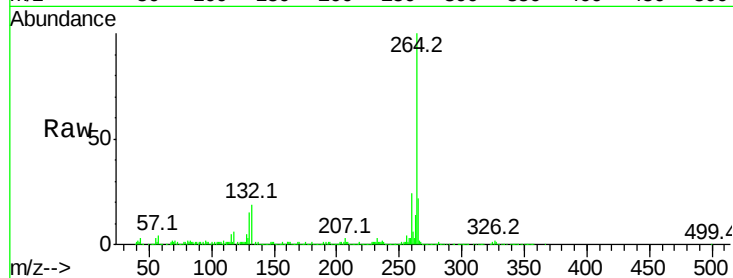
Tot Ion:264 Resp: 295992

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

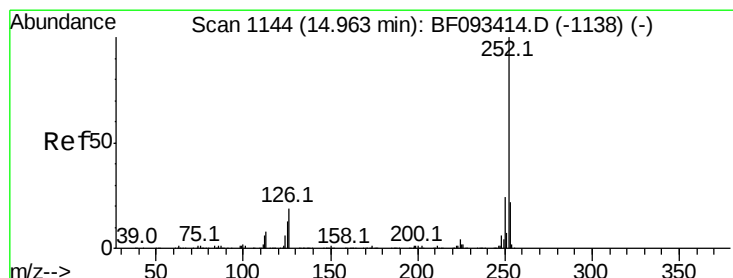
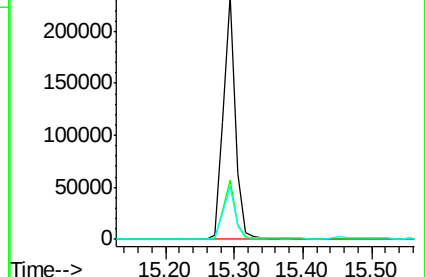
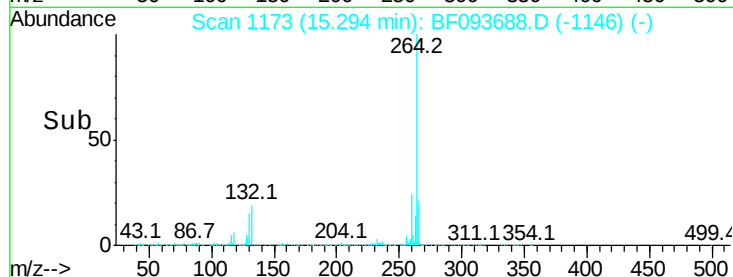
265 21.7 17.4 26.0



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: 4.01 ng m

RT: 14.91 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

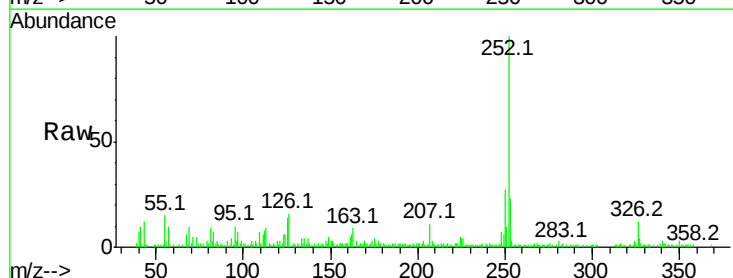
Tgt Ion:252 Resp: 72238

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.4

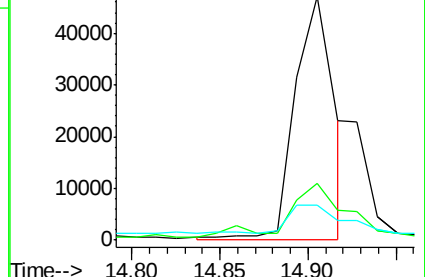
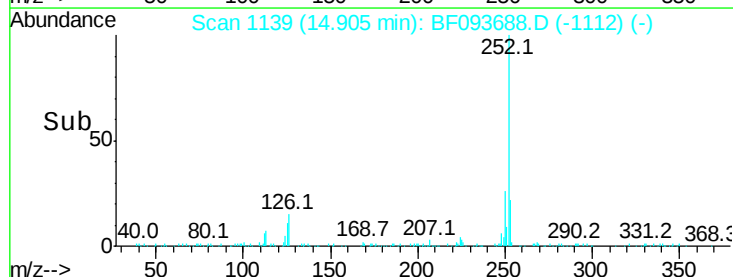
125 14.2 9.8 14.6

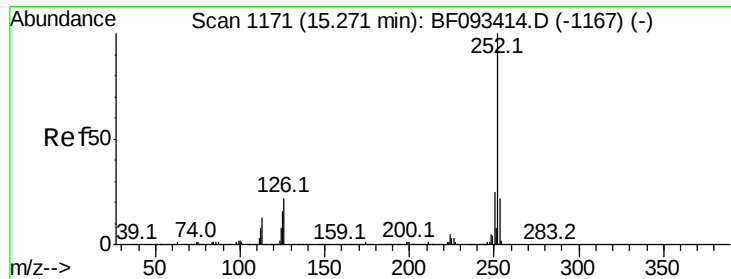


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.88 ng

RT: 15.24 min Scan# 1168

Delta R.T. 0.01 min

Lab File: BF093688.D

Acq: 16 Mar 2017 00:33

Instrument :

BNA_F

ClientSampleId :

E2-EE9-ESW

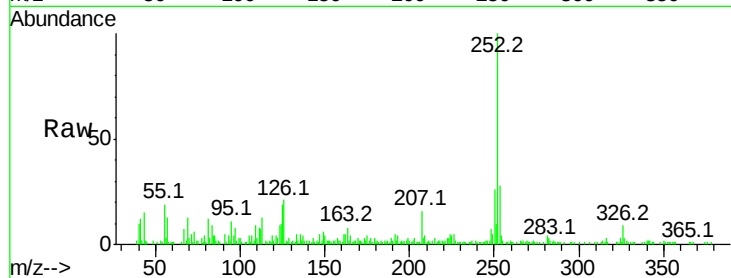
Tot Ion: 252 Resp: 47506

Ion Ratio Lower Upper

252 100

253 28.0 18.2 27.2#

125 18.8 10.0 15.0#



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

