

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052217\
 Data File : BF095320.D
 Acq On : 22 May 2017 18:26
 Operator : SJ/MA
 Sample : I3227-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-11939

Quant Time: May 23 03:56:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

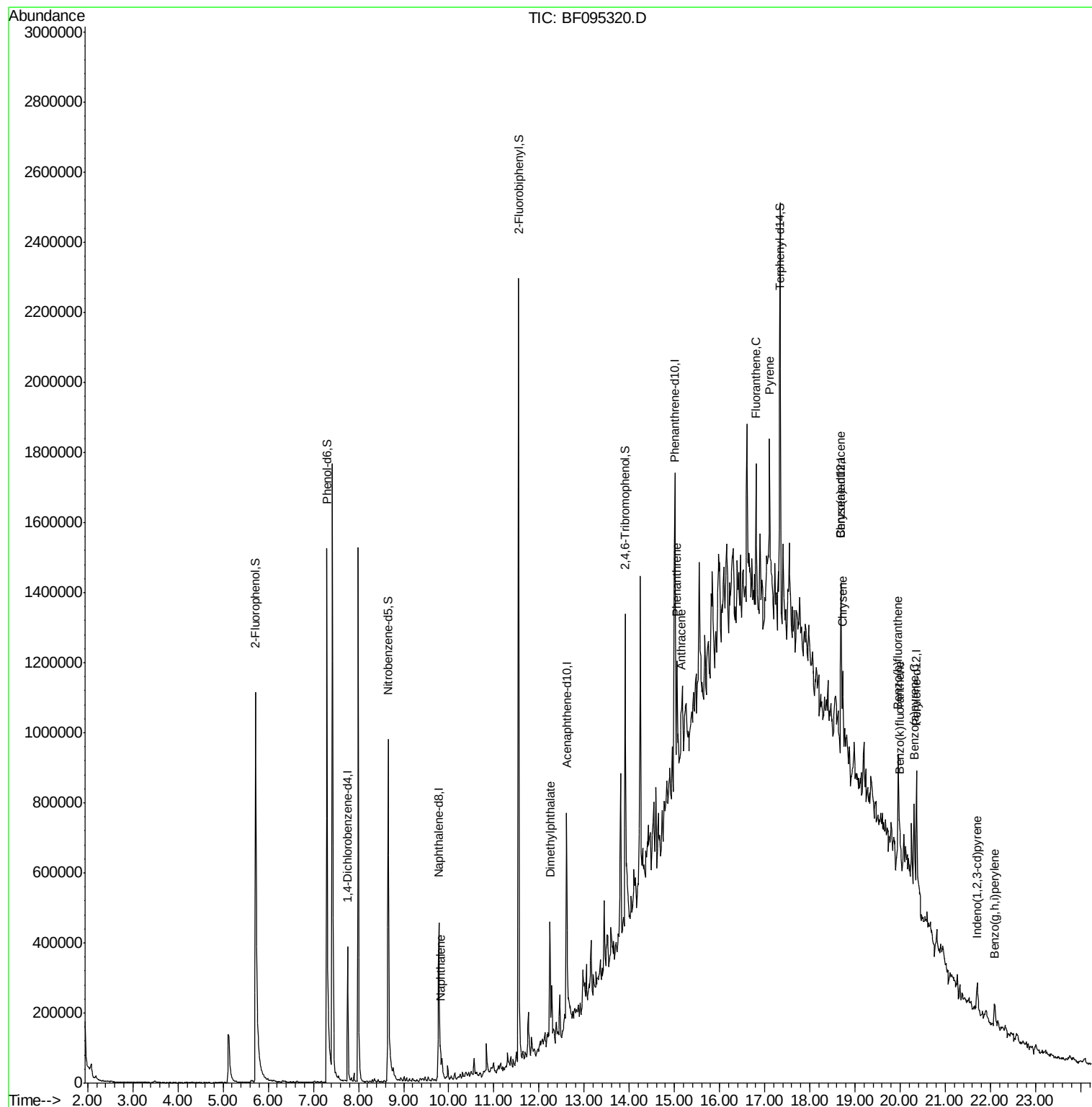
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	88076	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	370506	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	176363	20.00	ng	-0.01
63) Phenanthrene-d10	15.02	188	255380	20.00	ng	0.00
75) Chrysene-d12	18.69	240	170756	20.00	ng	0.00
86) Perylene-d12	20.37	264	183668	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	795580	150.60	ng	-0.02
7) Phenol-d6	7.30	99	983147	155.11	ng	-0.01
23) Nitrobenzene-d5	8.66	82	573347	97.58	ng	-0.01
41) 2,4,6-Tribromophenol	13.91	330	191326	132.46	ng	0.00
44) 2-Fluorobiphenyl	11.55	172	1030855	84.13	ng	-0.01
78) Terphenyl-d14	17.34	244	523351	67.51	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.82	128	51712	2.78	ng	97
49) Dimethylphthalate	12.24	163	209592	14.48	ng	100
70) Phenanthrene	15.05	178	198056	13.50	ng	97
71) Anthracene	15.15	178	44261m	2.95	ng	
74) Fluoranthene	16.81	202	265619	17.65	ng	100
77) Pyrene	17.11	202	258395	20.23	ng	# 95
80) Benzo(a)anthracene	18.68	228	110310	11.10	ng	# 95
82) Chrysene	18.72	228	116611	12.14	ng	# 95
85) Indeno(1,2,3-cd)pyrene	21.71	276	61089	7.83	ng	# 91
87) Benzo(b)fluoranthene	19.96	252	127276m	11.21	ng	
88) Benzo(k)fluoranthene	19.99	252	48328m	4.41	ng	
89) Benzo(a)pyrene	20.31	252	100490	9.60	ng	# 90
91) Benzo(a,h,i)perylene	22.09	276	59749	7.04	ng	97

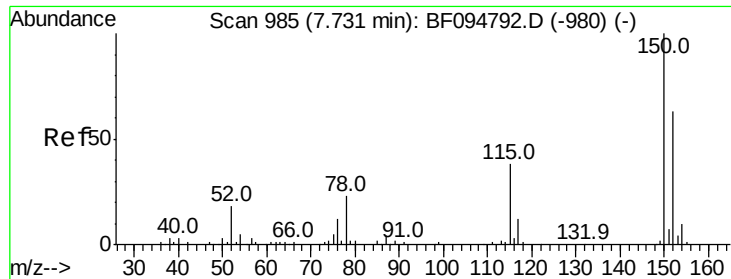
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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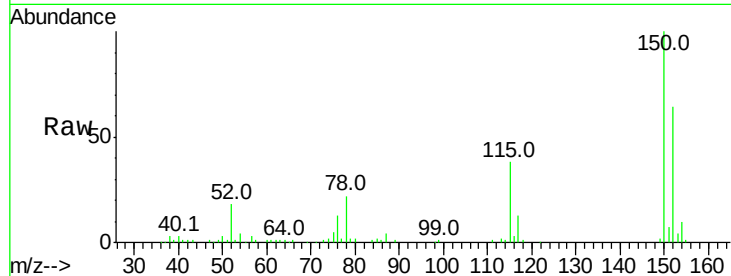


#1

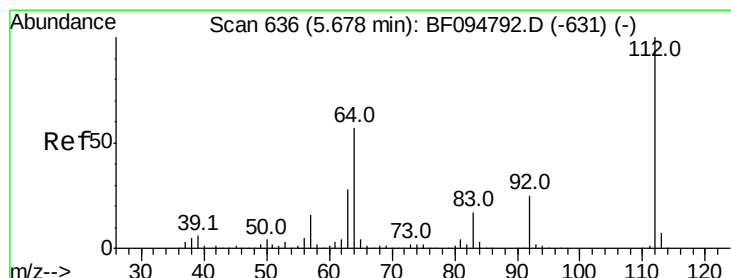
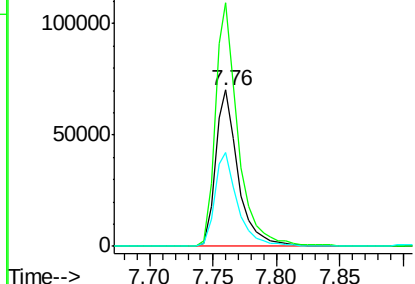
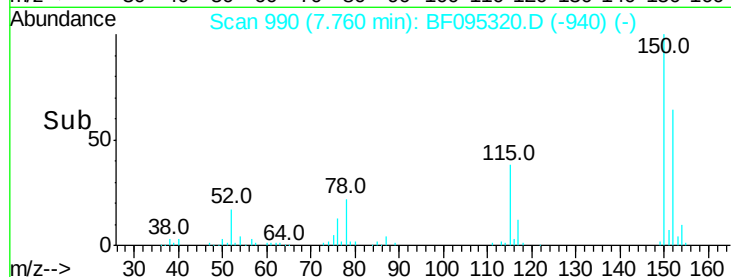
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Instrument :
BNA_F
ClientSampled :
RO-11939

Tot Ion:152 Resp: 88076
Ion Ratio Lower Upper
152 100
150 156.1 126.2 189.2
115 59.9 52.2 78.2



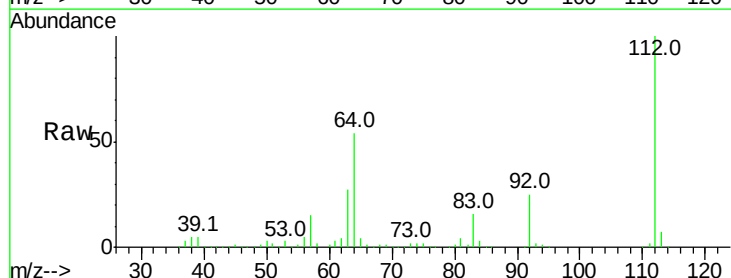
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



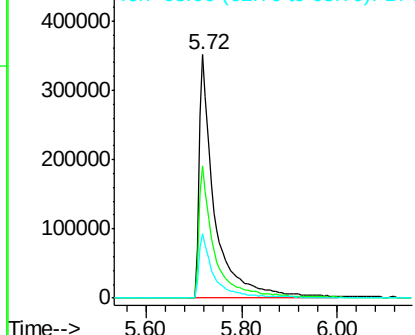
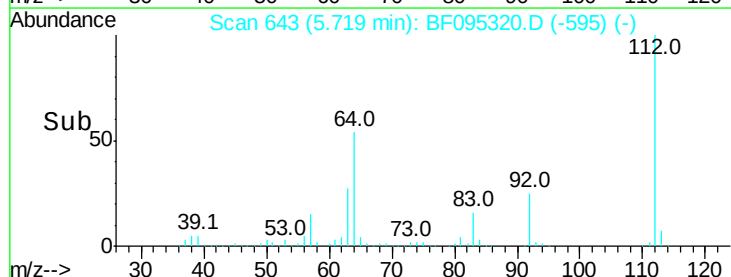
#5

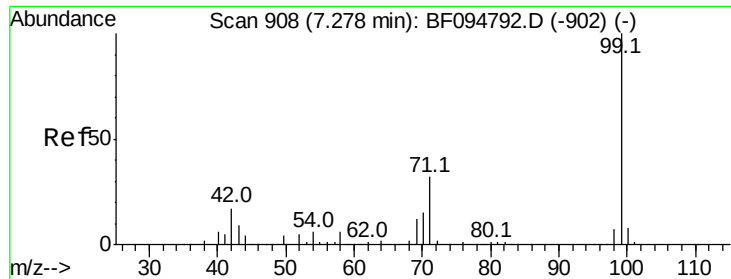
2-Fluorophenol
Concen: 150.60 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:112 Resp: 795580
Ion Ratio Lower Upper
112 100
64 54.1 46.0 69.0
63 26.7 23.4 35.0



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: 155.11 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

RO-11939

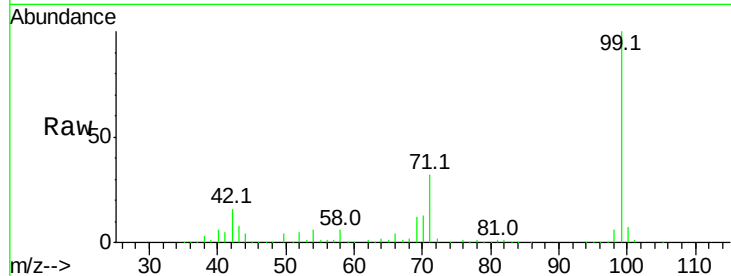
Tot Ion: 99 Resp: 983147

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

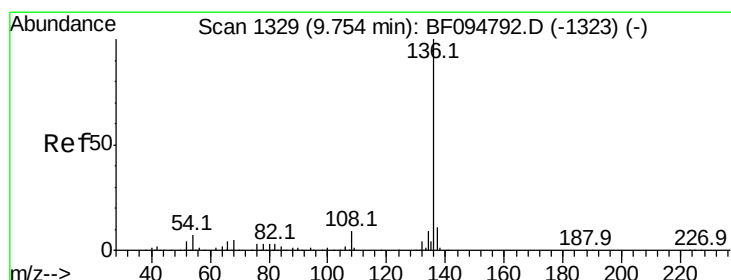
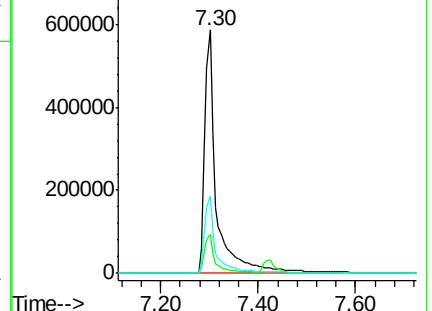
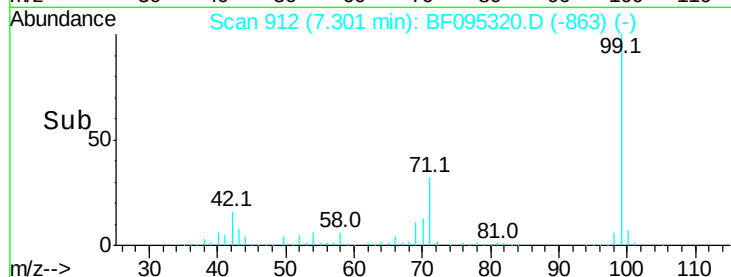
71 32.0 24.5 36.7



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: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Tgt Ion: 136 Resp: 370506

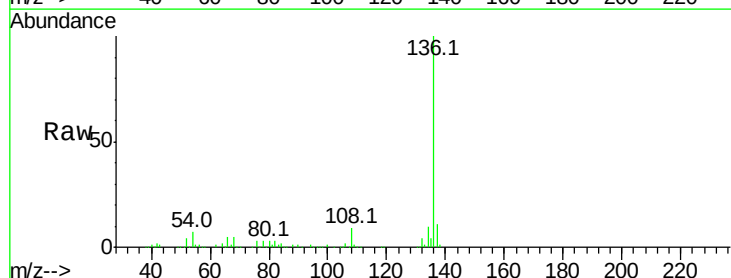
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.8 4.9 7.3

68 5.3 4.1 6.1

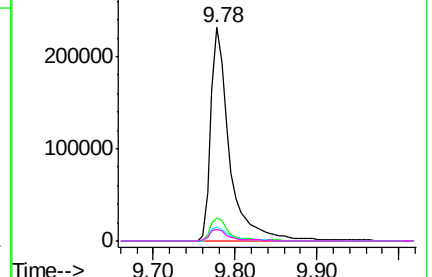
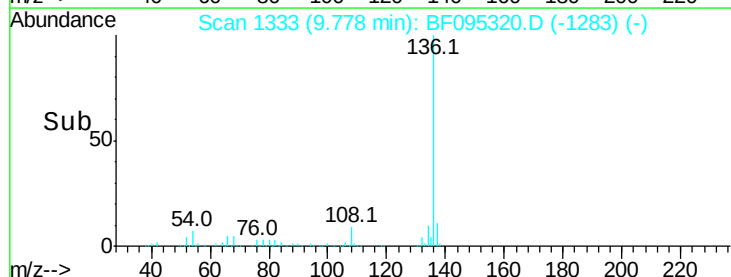


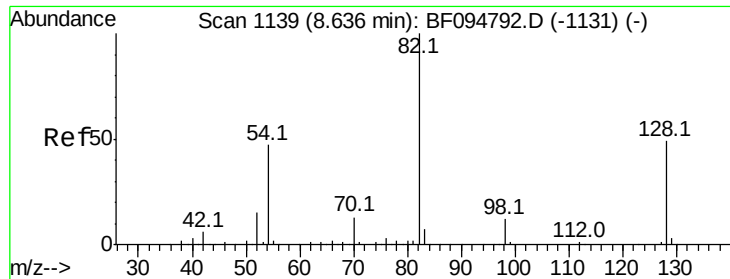
Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.58 ng

RT: 8.66 min Scan# 1143

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

RO-11939

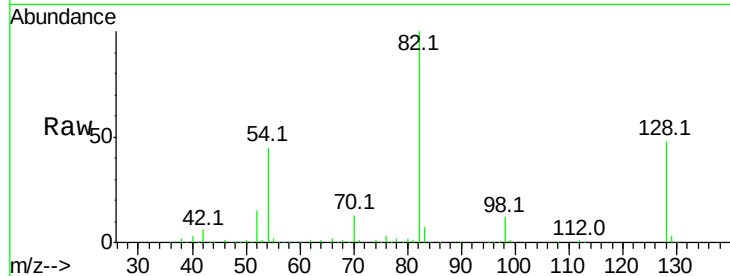
Tot Ion: 82 Resp: 573347

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

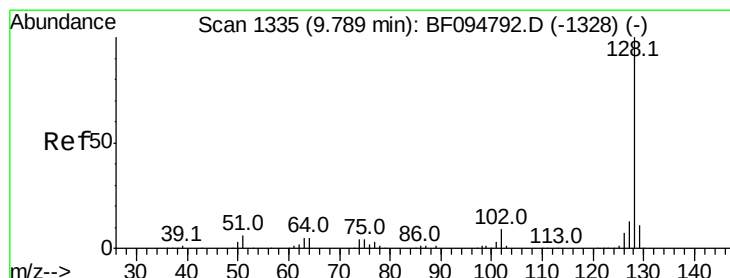
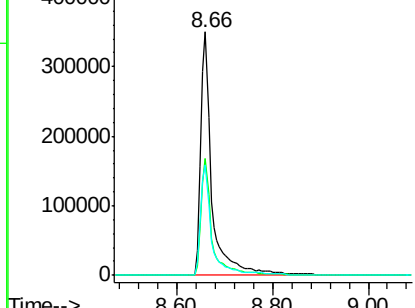
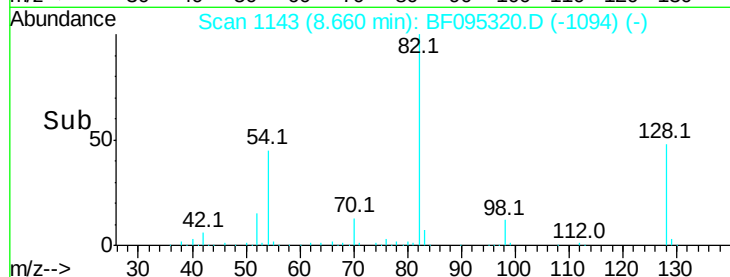
54 45.2 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 2.78 ng

RT: 9.82 min Scan# 1340

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

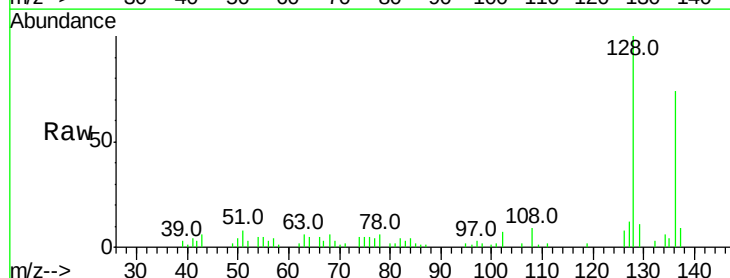
Tgt Ion:128 Resp: 51712

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

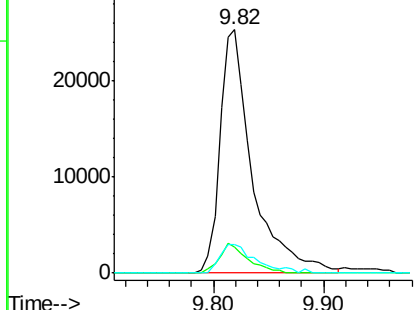
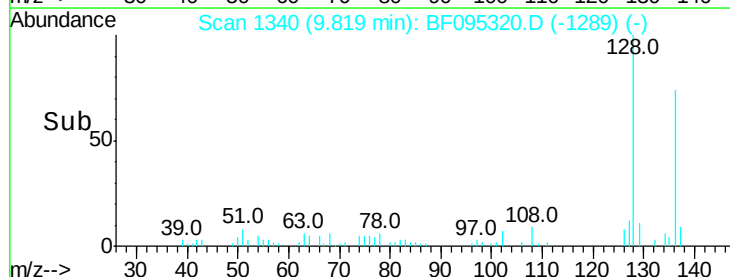
127 11.8 10.8 16.2

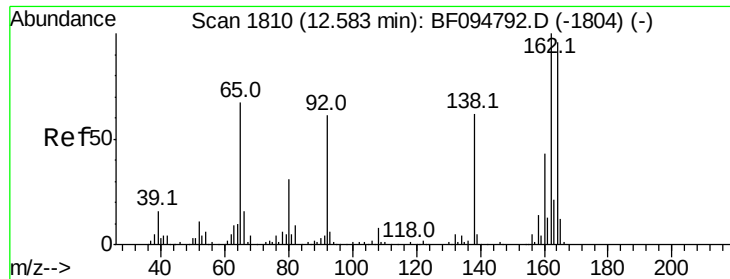


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

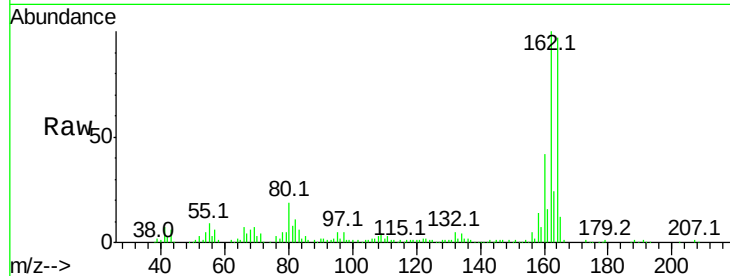




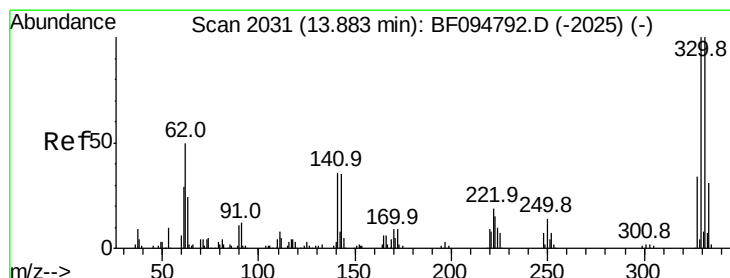
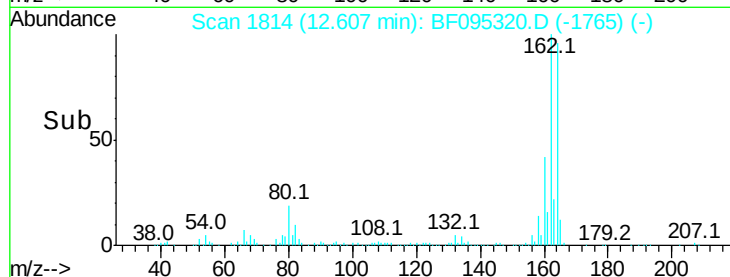
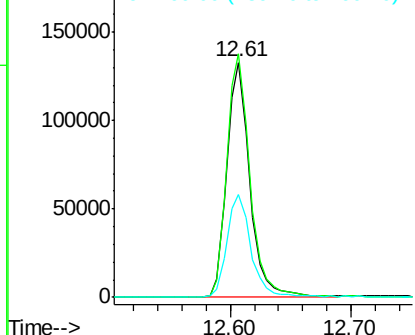
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF095320.D
 Acq: 22 May 2017 18:26

Instrument :
 BNA_F
 ClientSampleId :
 RO-11939

Tot Ion:164 Resp: 176363
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.6 123.8
 160 43.9 36.2 54.2

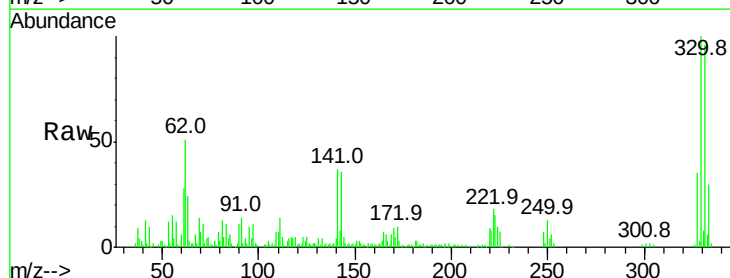


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

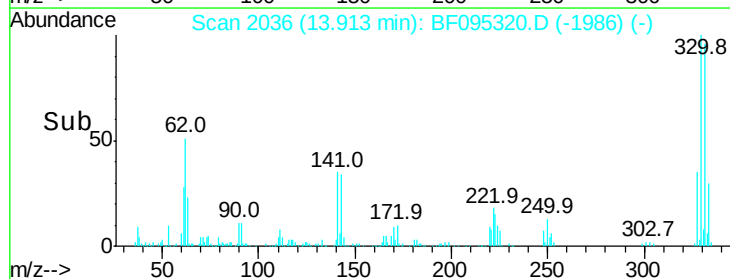
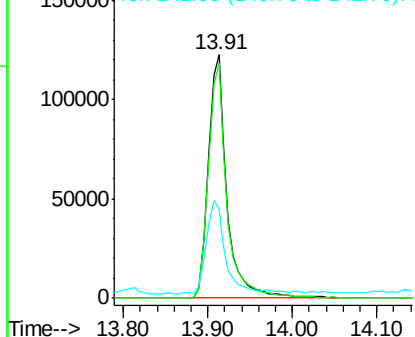


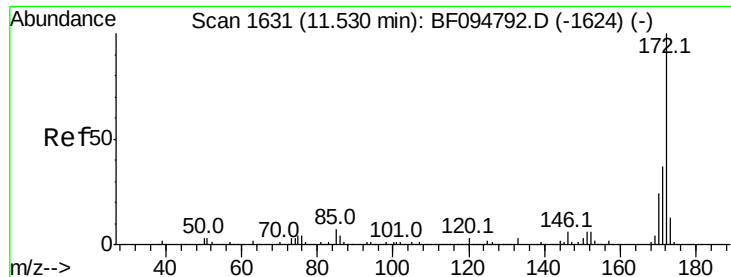
#41
 2,4,6-Tribromophenol
 Concen: 132.46 ng
 RT: 13.91 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF095320.D
 Acq: 22 May 2017 18:26

Tgt Ion:330 Resp: 191326
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 40.0 31.4 47.2



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

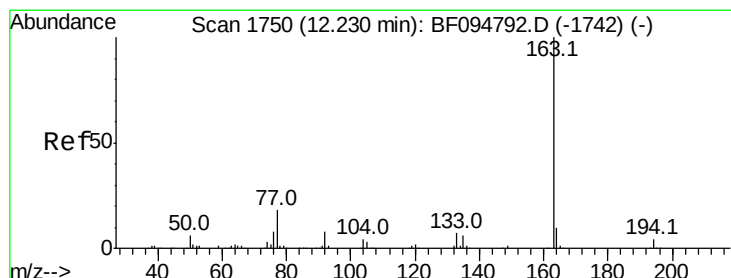
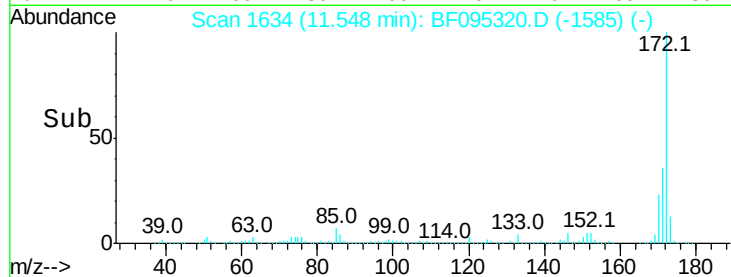
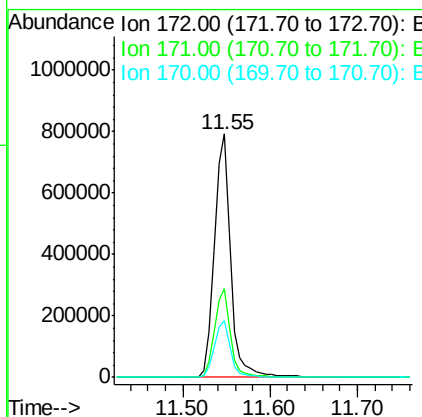
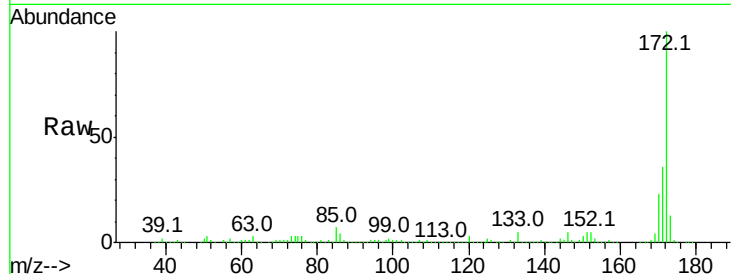




#44
2-Fluorobiphenyl
Concen: 84.13 ng
RT: 11.55 min Scan# 1634
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

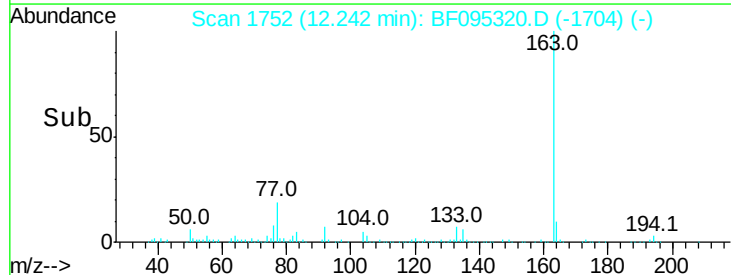
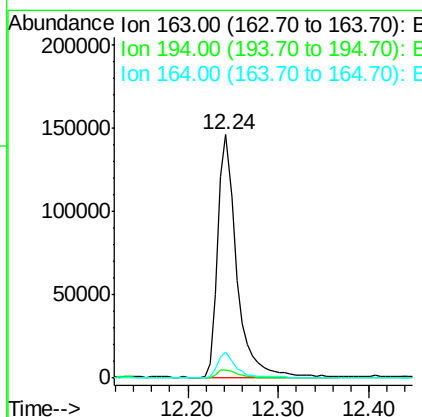
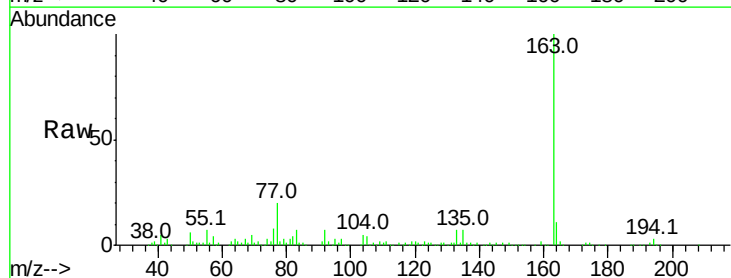
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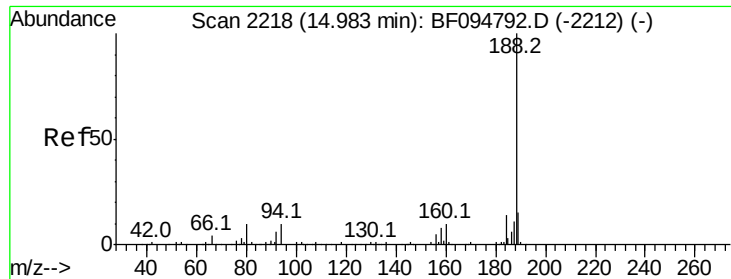
Tot Ion:172 Resp: 1030855
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 23.3 19.8 29.8



#49
Dimethylphthalate
Concen: 14.48 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:163 Resp: 209592
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.6 8.4 12.6

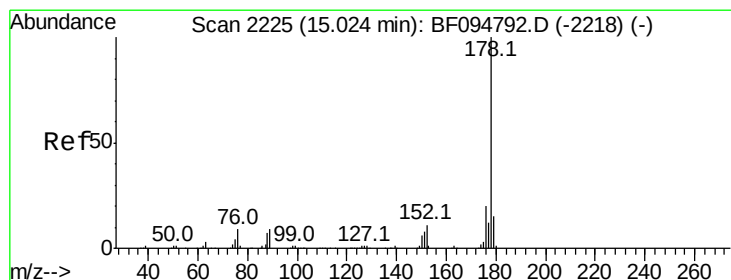
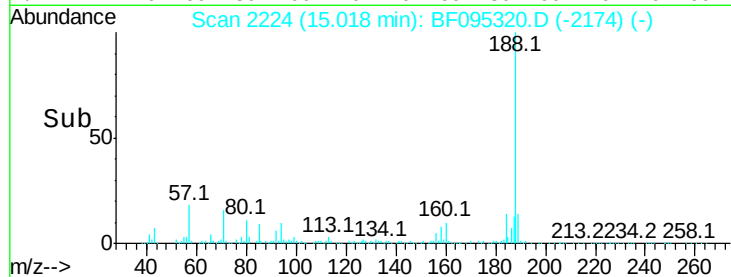
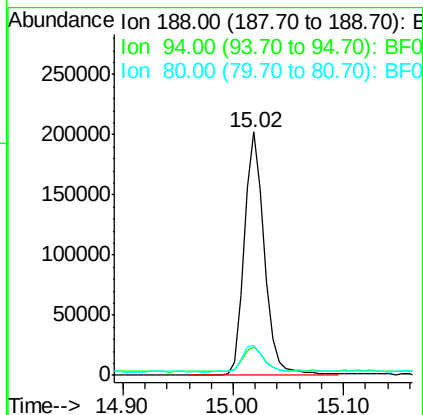
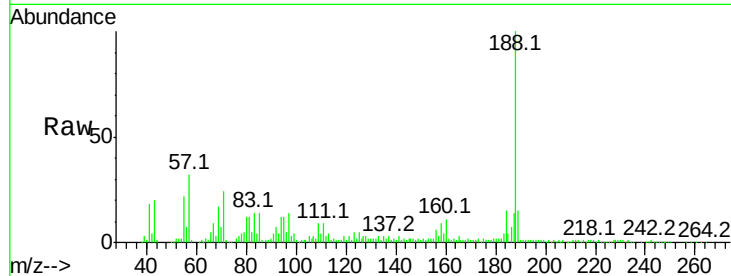




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

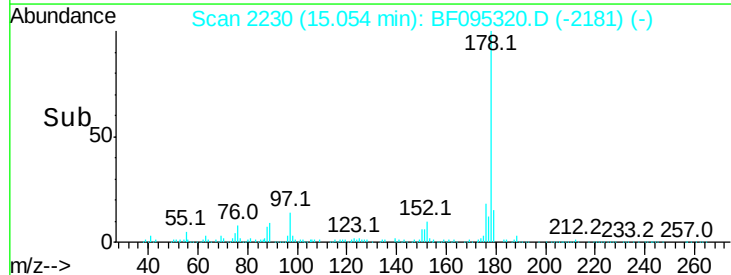
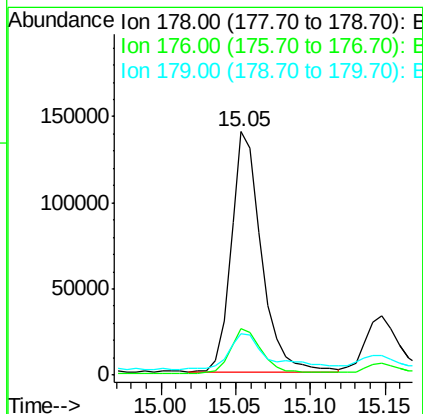
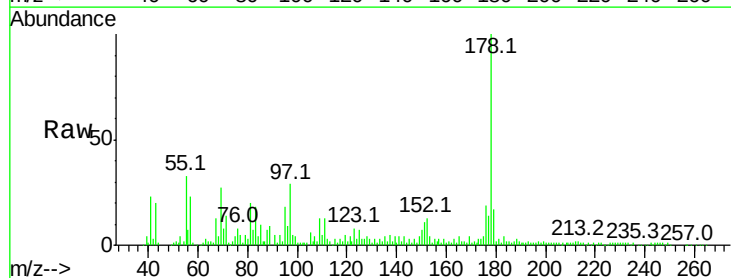
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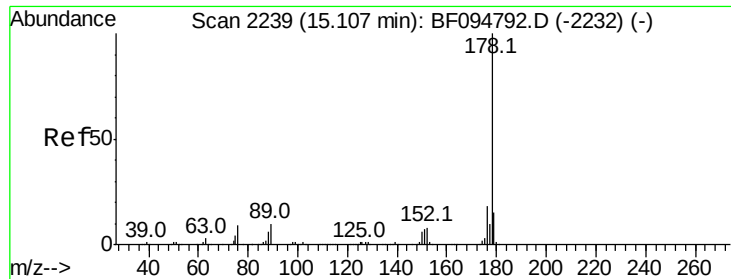
Tot Ion:188 Resp: 255380
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 12.1 10.2 15.2



#70
Phenanthrene
Concen: 13.50 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095320.D
Acq: 22 May 2017 18:26

Tgt Ion:178 Resp: 198056
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 17.2 12.6 19.0





#71

Anthracene

Concen: 2.95 ng/mL

RT: 15.15 min Scan# 2246

Delta R.T. 0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

RO-11939

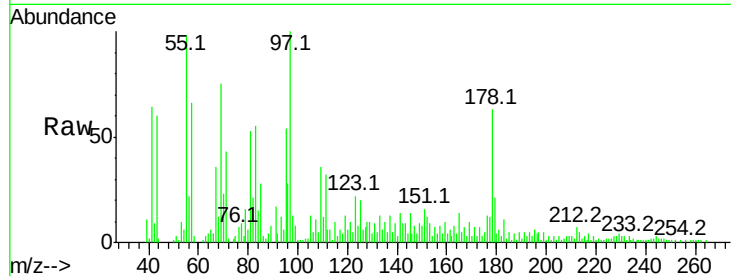
Tot Ion:178 Resp: 44261

Ion Ratio Lower Upper

178 100

176 20.1 15.8 23.8

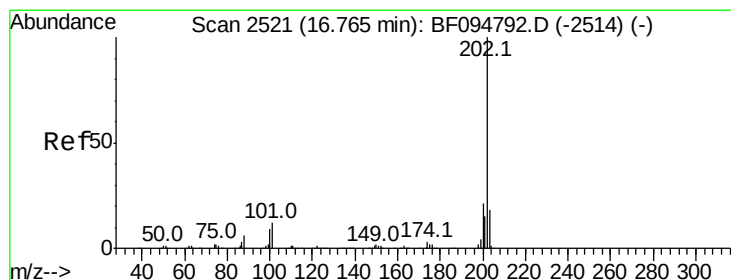
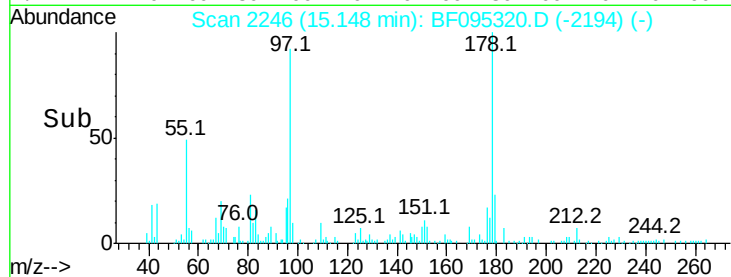
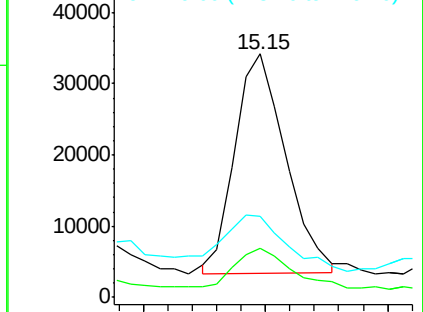
179 33.1 12.7 19.1#



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: 17.65 ng/mL

RT: 16.81 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

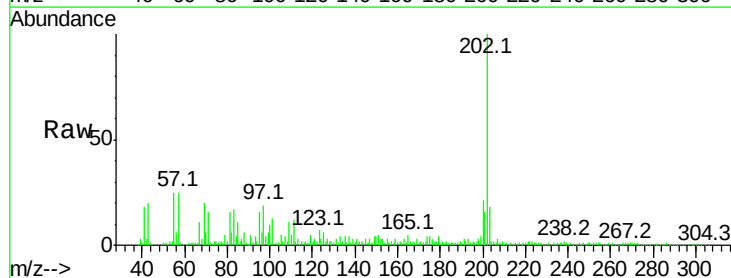
Tgt Ion:202 Resp: 265619

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

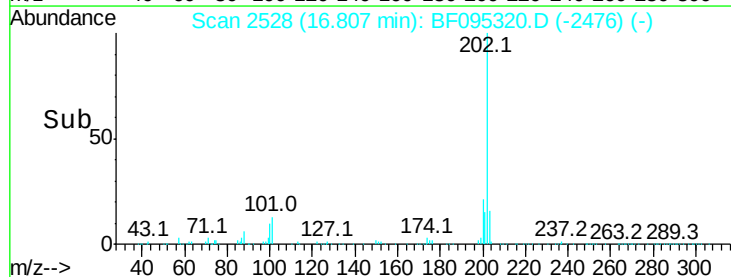
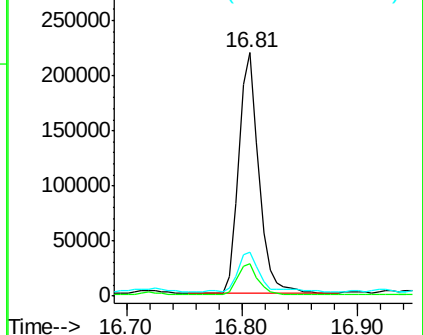
203 18.0 0.0 38.1

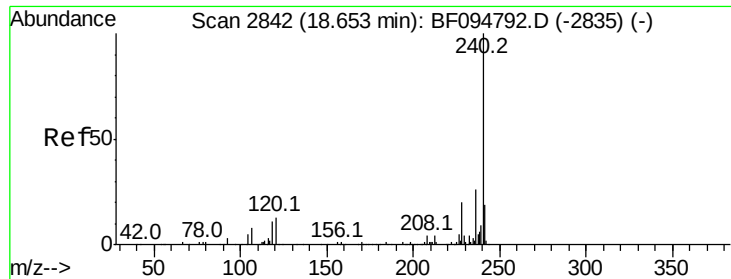


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

RO-11939

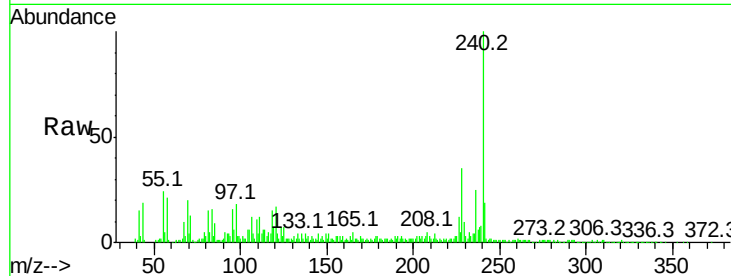
Tot Ion:240 Resp: 170756

Ion Ratio Lower Upper

240 100

120 17.0 5.8 8.8#

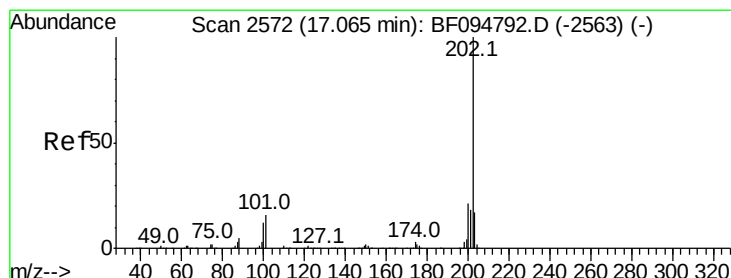
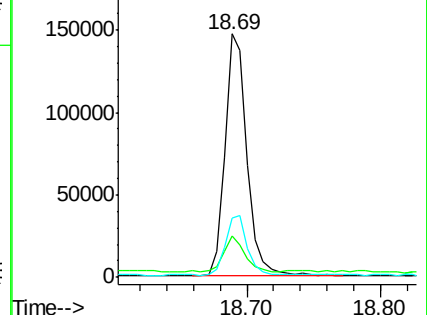
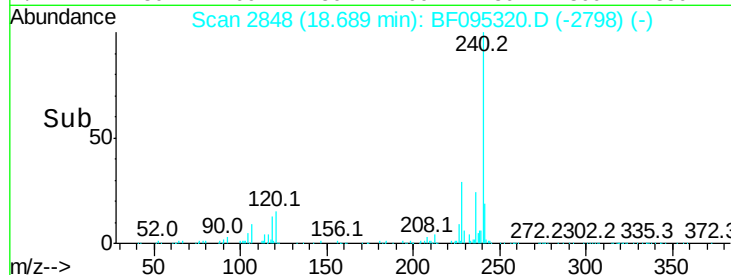
236 24.5 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 20.23 ng

RT: 17.11 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

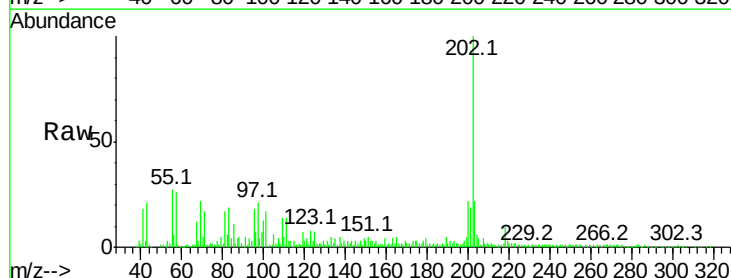
Tgt Ion:202 Resp: 258395

Ion Ratio Lower Upper

202 100

200 22.4 17.6 26.4

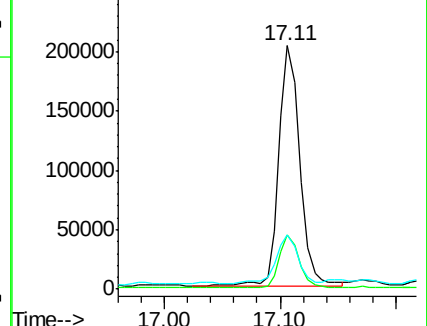
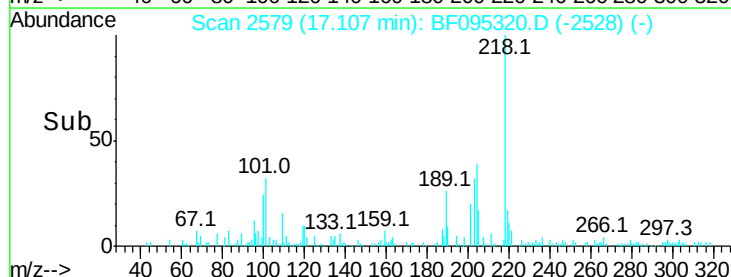
203 22.4 14.4 21.6#

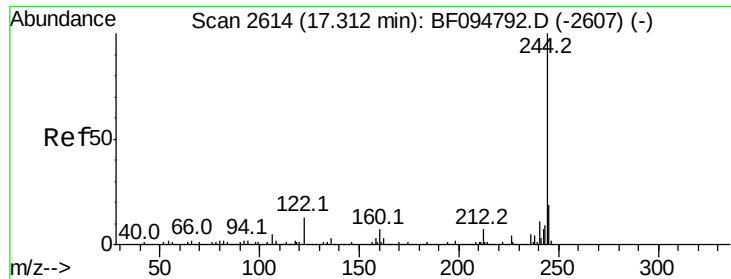


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

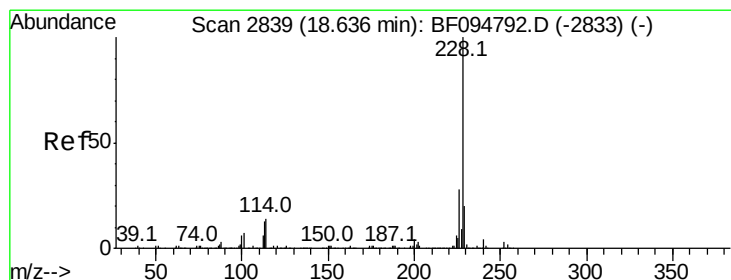
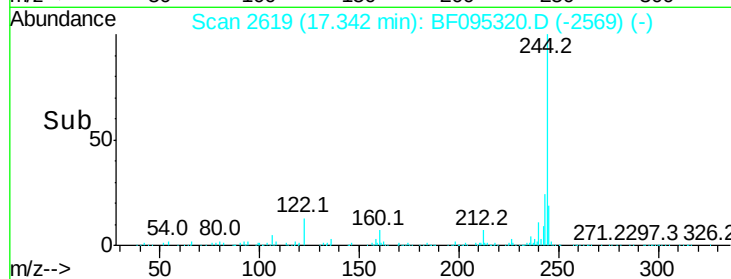
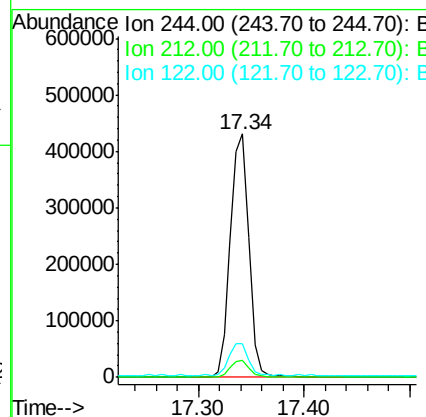
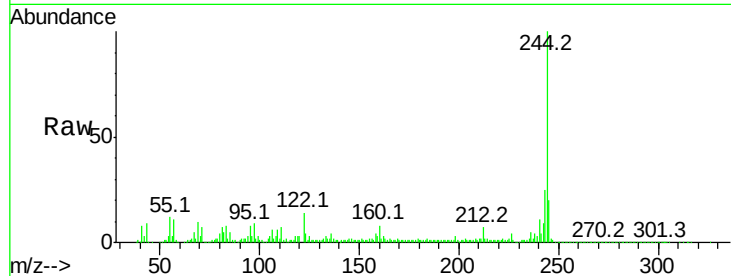




#78
 Terphenyl-d14
 Concen: 67.51 ng
 RT: 17.34 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BF095320.D
 Acq: 22 May 2017 18:26

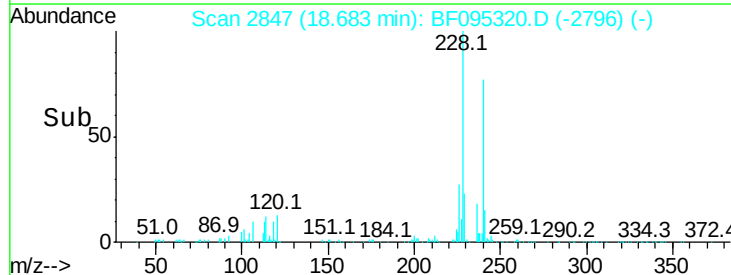
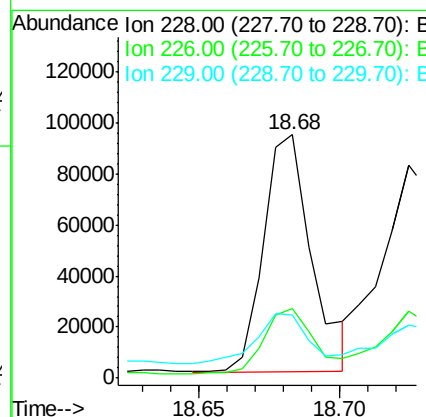
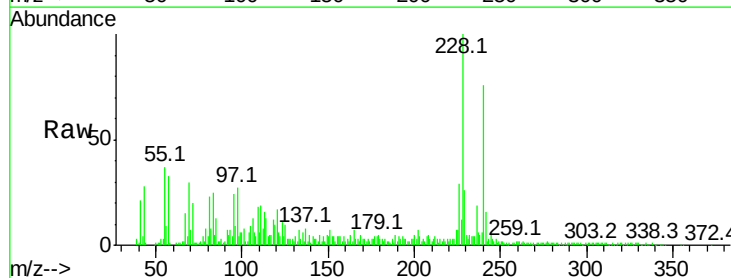
Instrument :
 BNA_F
 ClientSampled :
 RO-11939

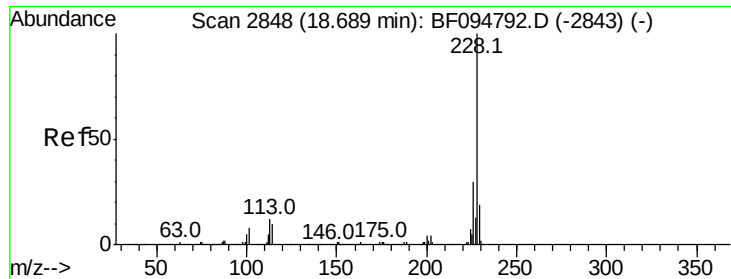
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.9	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 11.10 ng
 RT: 18.68 min Scan# 2847
 Delta R.T. 0.00 min
 Lab File: BF095320.D
 Acq: 22 May 2017 18:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	25.8	16.3	24.5





#82

Chrysene

Concen: 12.14 ng

RT: 18.72 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

RO-11939

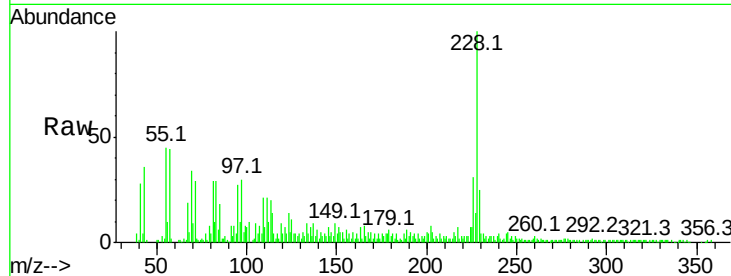
Tot Ion:228 Resp: 116611

Ion Ratio Lower Upper

228 100

226 31.3 24.9 37.3

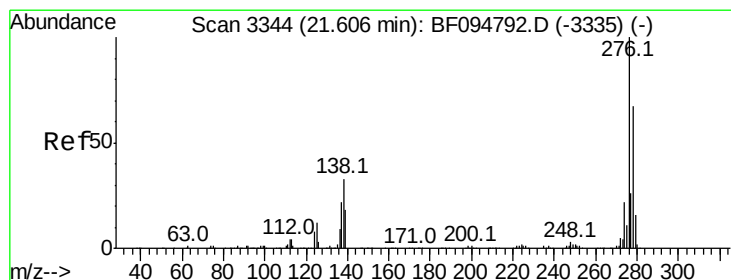
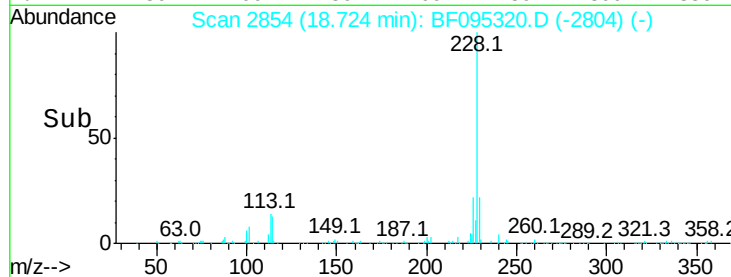
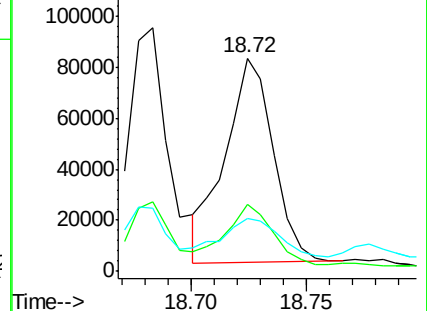
229 25.0 15.8 23.6#



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: 7.83 ng

RT: 21.71 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

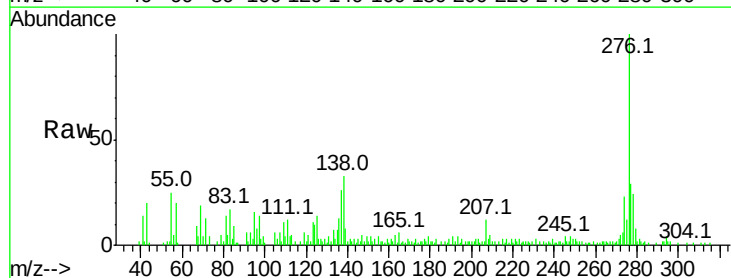
Tgt Ion:276 Resp: 61089

Ion Ratio Lower Upper

276 100

138 27.0 27.8 41.6#

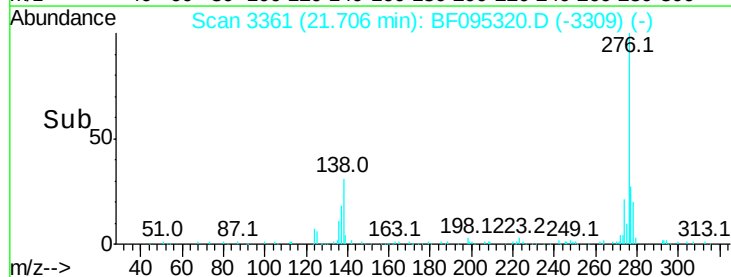
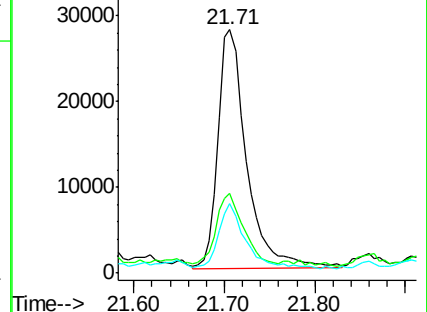
277 26.3 20.2 30.4

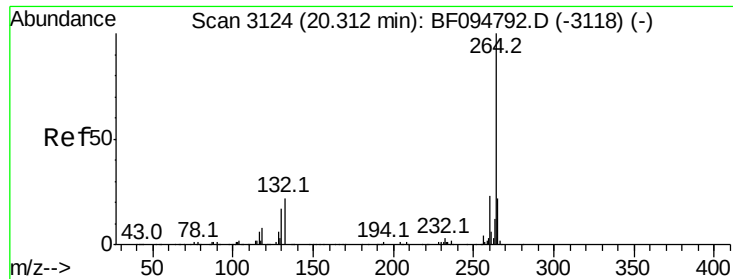


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.37 min Scan# 3133

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

RO-11939

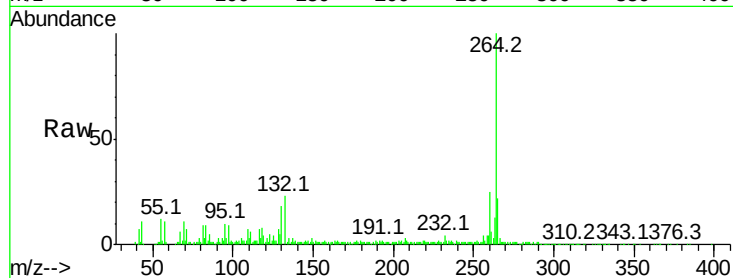
Tot Ion:264 Resp: 183668

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

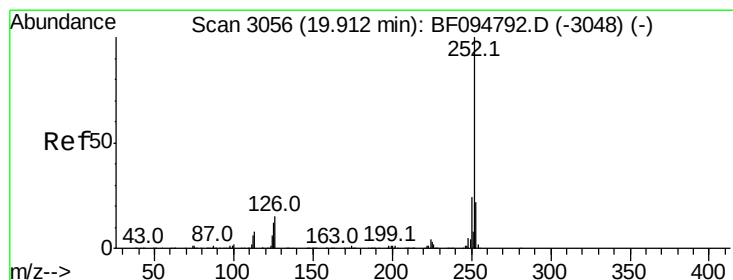
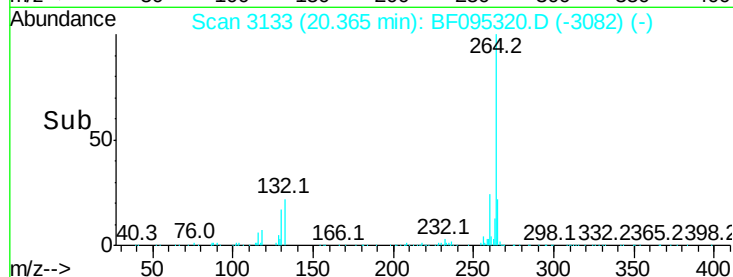
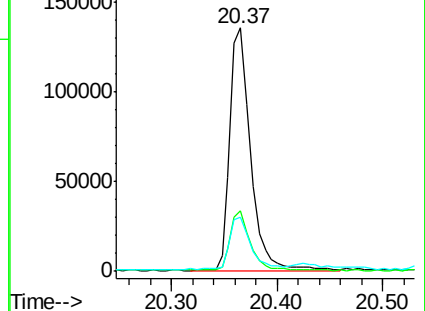
265 22.4 17.2 25.8



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: 11.21 ng m

RT: 19.96 min Scan# 3064

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

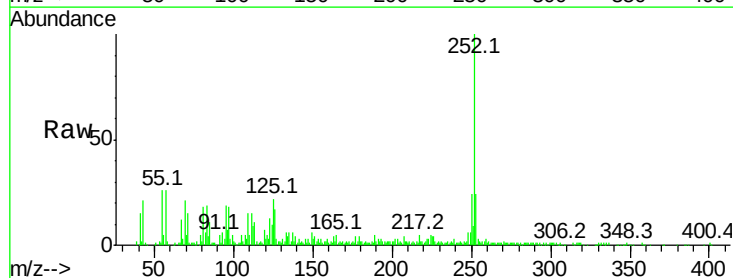
Tgt Ion:252 Resp: 127276

Ion Ratio Lower Upper

252 100

253 24.1 18.1 27.1

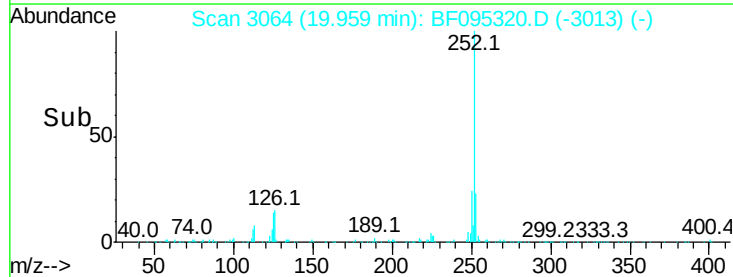
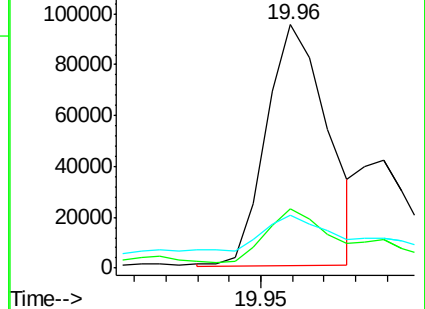
125 21.8 9.8 14.8#

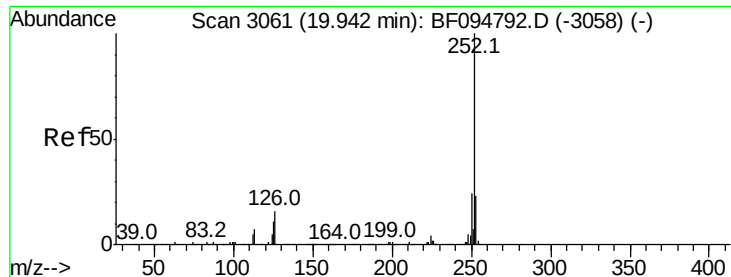


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.41 ng m

RT: 19.99 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

RO-11939

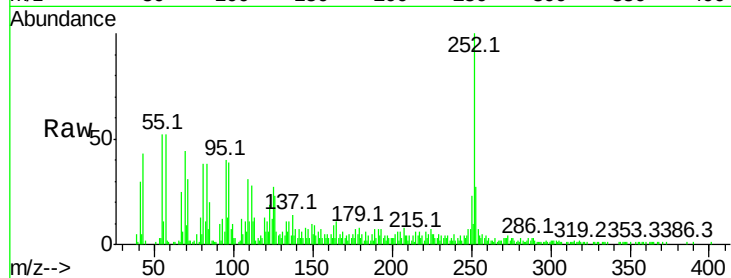
Tot Ion:252 Resp: 48328

Ion Ratio Lower Upper

252 100

253 26.9 18.4 27.6

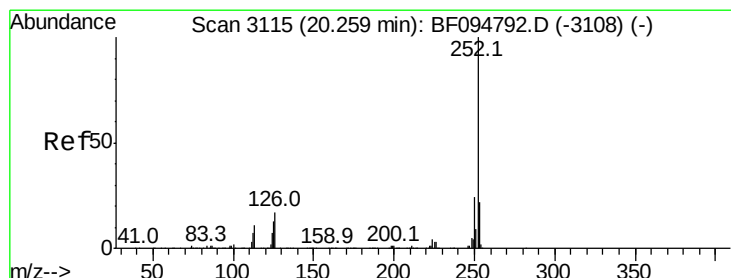
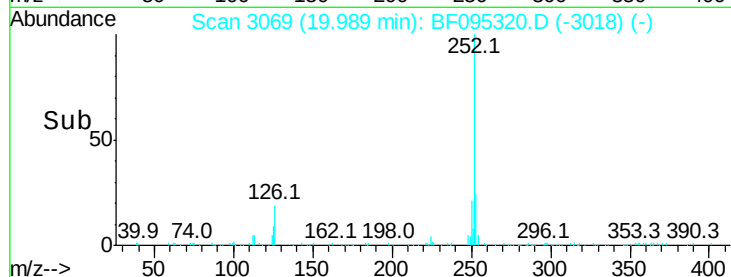
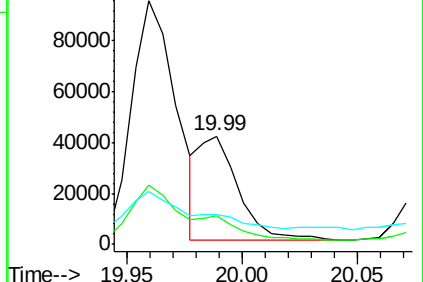
125 27.2 13.1 19.7#



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



#89

Benzo(a)pyrene

Concen: 9.60 ng

RT: 20.31 min Scan# 3124

Delta R.T. 0.00 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

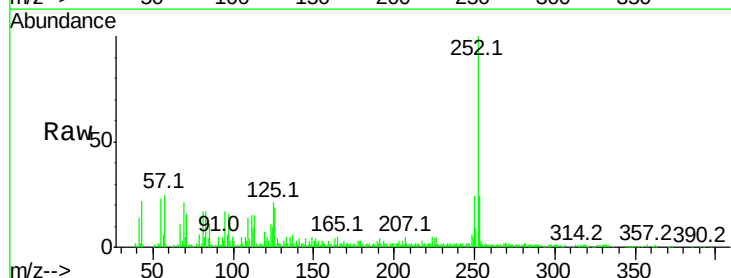
Tgt Ion:252 Resp: 100490

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

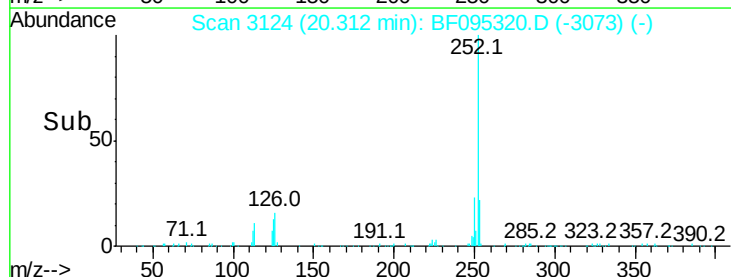
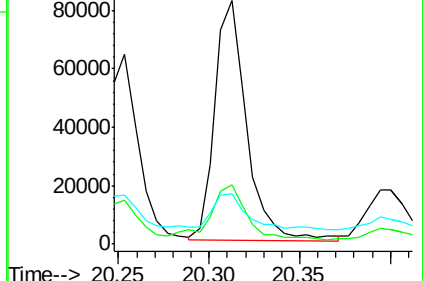
125 20.5 11.0 16.4#

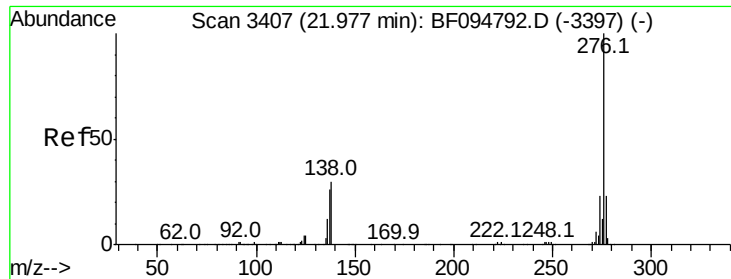


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 7.04 ng

RT: 22.09 min Scan# 3426

Delta R.T. 0.01 min

Lab File: BF095320.D

Acq: 22 May 2017 18:26

Instrument :

BNA_F

ClientSampleId :

RO-11939

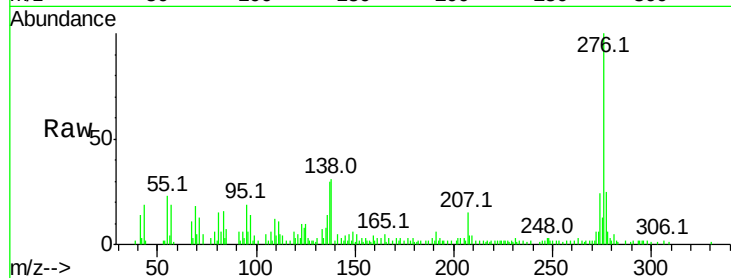
Tot Ion: 276 Resp: 59749

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 30.8 25.4 38.0



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

