

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092018\
 Data File : BF109185.D
 Acq On : 20 Sep 2018 16:52
 Operator : JU/SJ
 Sample : J4778-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-01-091918

Quant Time: Sep 20 17:29:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	115448	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	479335	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	209500	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	305979	20.00	ng	0.00
75) Chrysene-d12	13.85	240	234648	20.00	ng	-0.01
86) Perylene-d12	15.25	264	287157	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	214597	30.87	ng	0.00
7) Phenol-d6	6.35	99	331013	36.93	ng	-0.01
23) Nitrobenzene-d5	7.27	82	208117	24.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	66640	29.31	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	367583	27.49	ng	-0.01
78) Terphenyl-d14	12.81	244	227831	23.01	ng	0.00

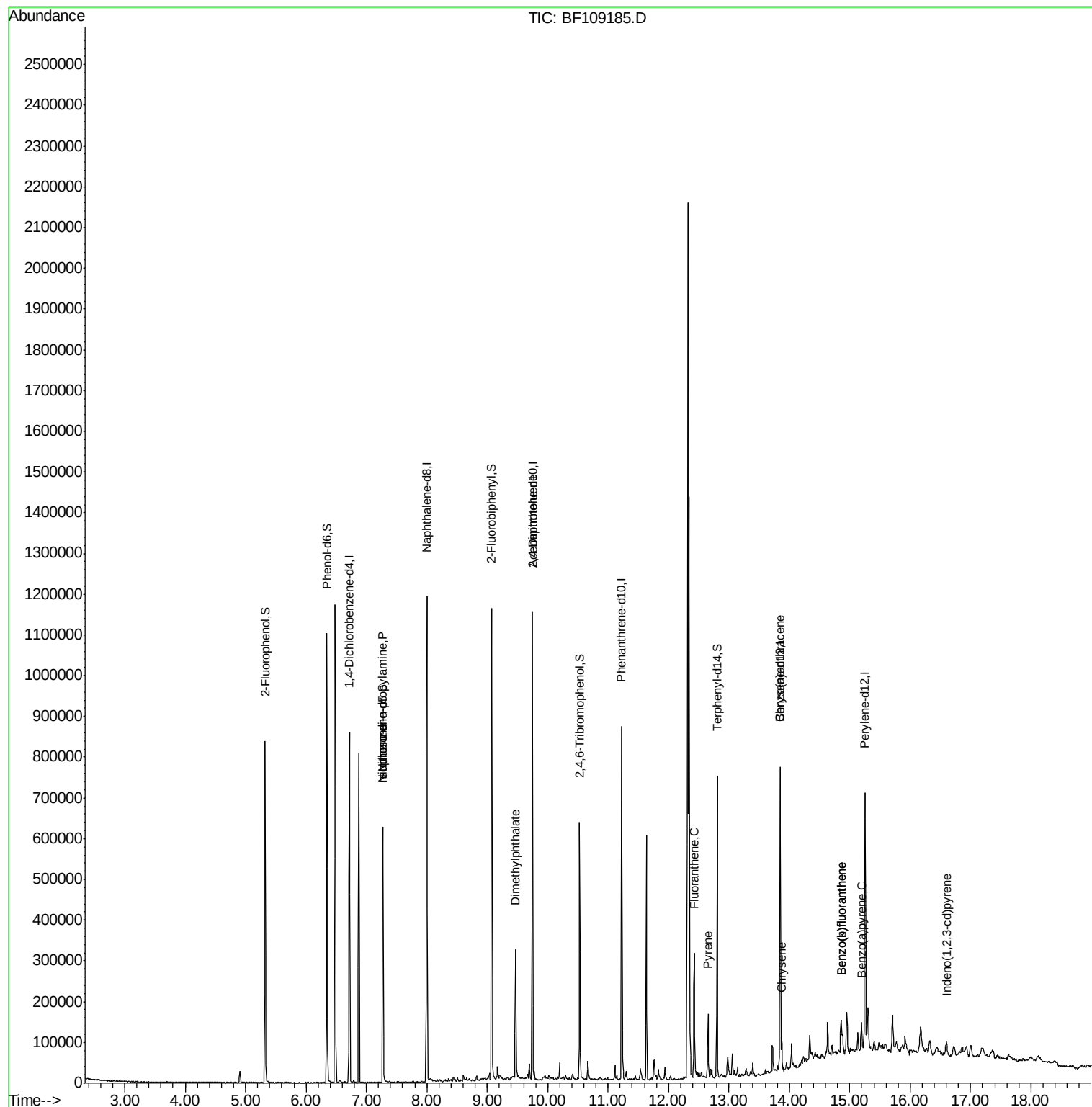
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	27811	4.694	ng	# 80
25) Isophorone	7.27	82	205427	13.984	ng	# 64
49) Dimethylphthalate	9.47	163	116565	7.785	ng	# 98
56) 2,4-Dinitrotoluene	9.75	165	26770	6.164	ng	# 23
74) Fluoranthene	12.43	202	56551	3.571	ng	98
77) Pyrene	12.65	202	48505	2.783	ng	97
80) Benzo(a)anthracene	13.84	228	31667	2.229	ng	97
82) Chrysene	13.87	228	30778	2.165	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	23239	2.045	ng	# 92
87) Benzo(b)fluoranthene	14.86	252	59747	3.761	ng	95
88) Benzo(k)fluoranthene	14.86	252	59747	4.027	ng	97
89) Benzo(a)pyrene	15.19	252	31559	2.237	ng	95

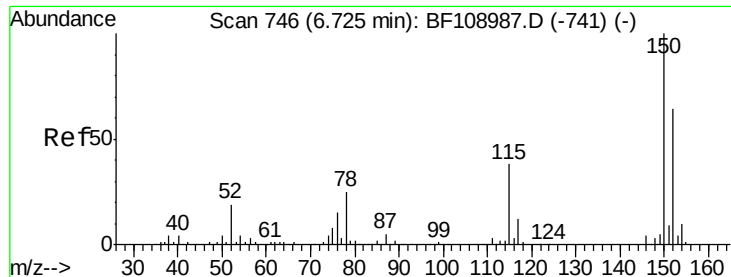
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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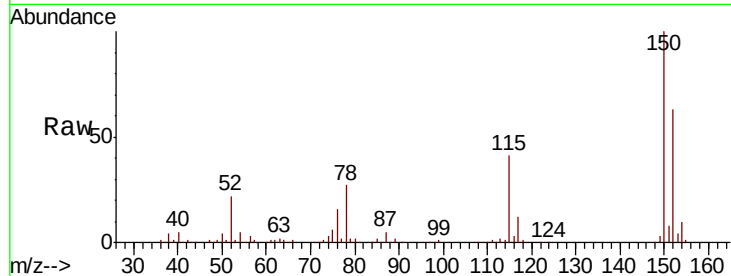


#1

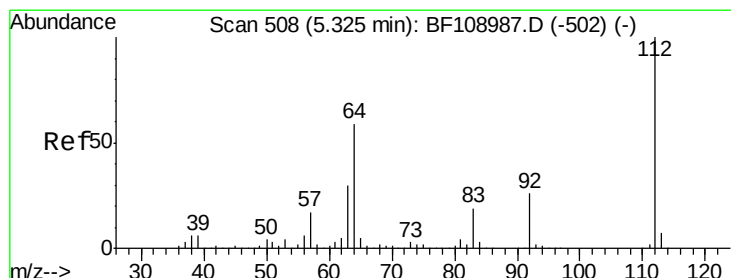
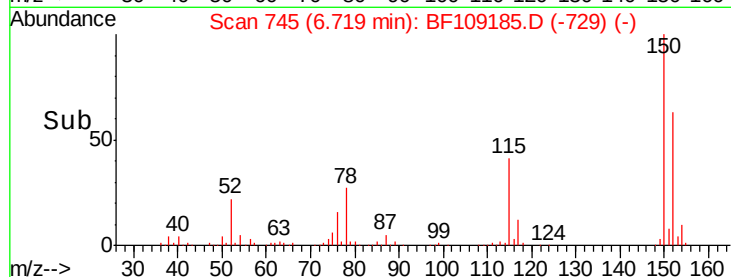
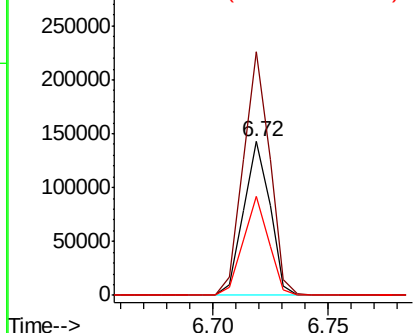
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SA-01-091918

Tgt Ion:152 Resp: 115448
Ion Ratio Lower Upper
152 100
150 158.3 124.6 186.8
115 64.3 50.1 75.1



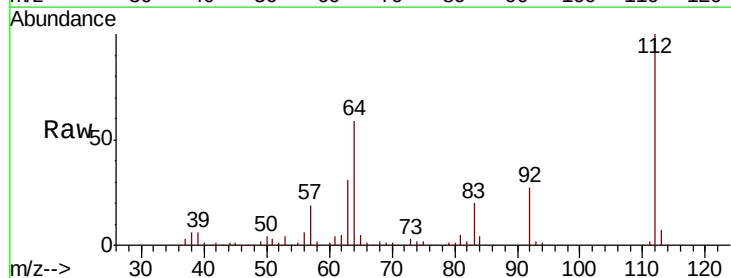
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



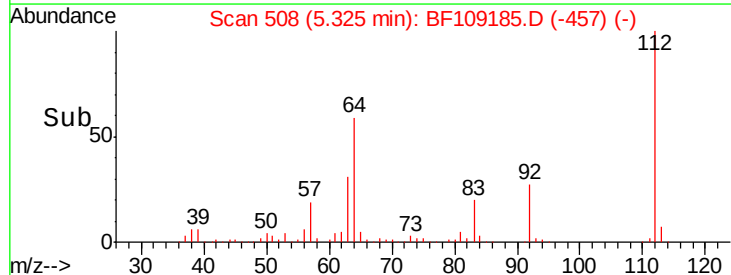
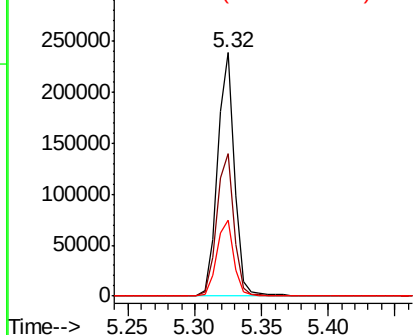
#5

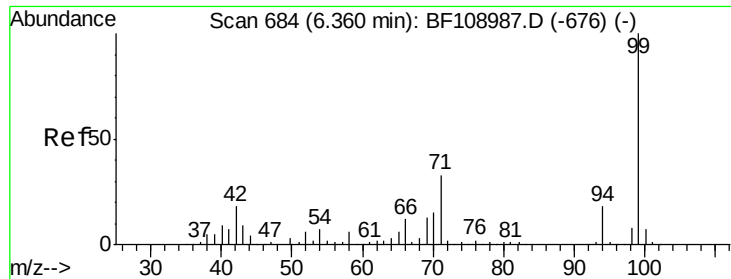
2-Fluorophenol
Concen: 30.873 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Tgt Ion:112 Resp: 214597
Ion Ratio Lower Upper
112 100
64 58.5 47.9 71.9
63 31.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 36.931 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

SA-01-091918

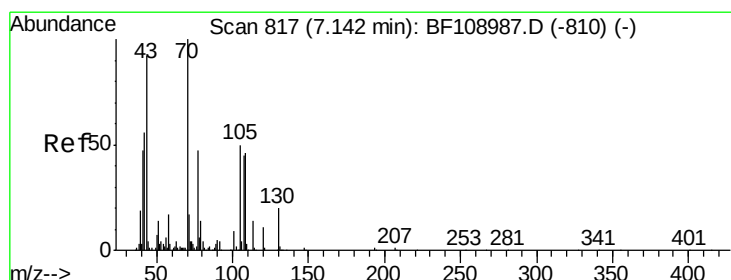
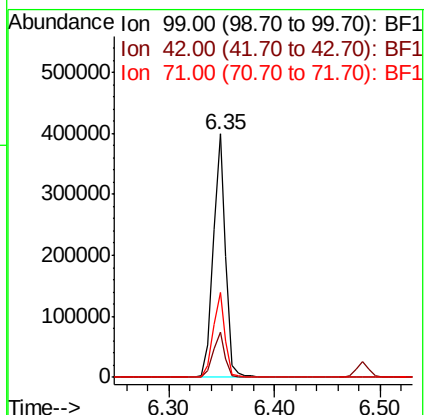
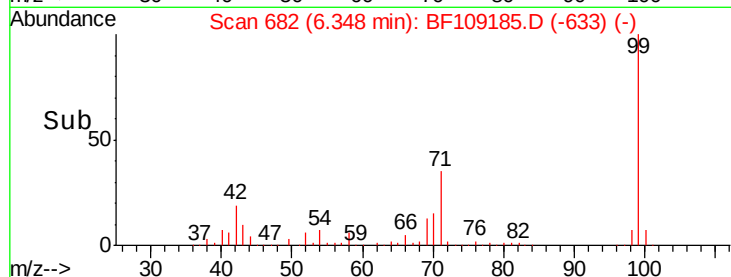
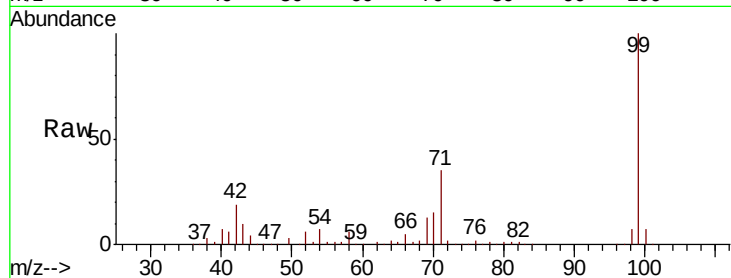
Tgt Ion: 99 Resp: 331013

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 34.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.694 ng

RT: 7.27 min Scan# 839

Delta R.T. 0.13 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

Tgt Ion: 70 Resp: 27811

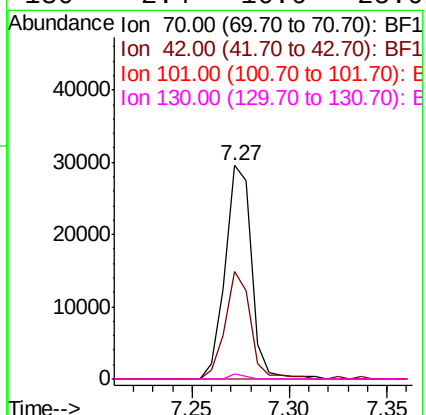
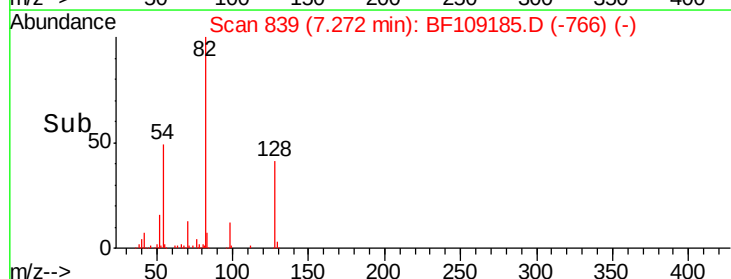
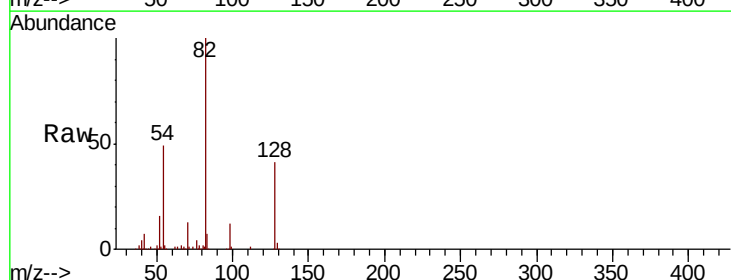
Ion Ratio Lower Upper

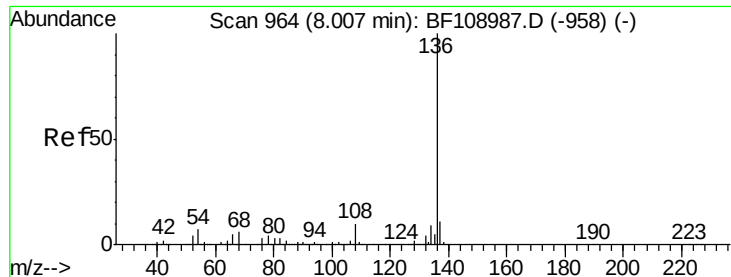
70 100

42 50.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

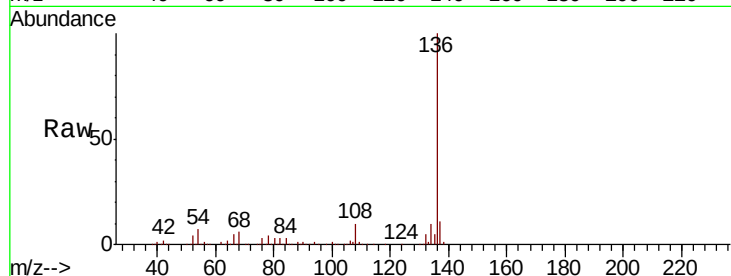




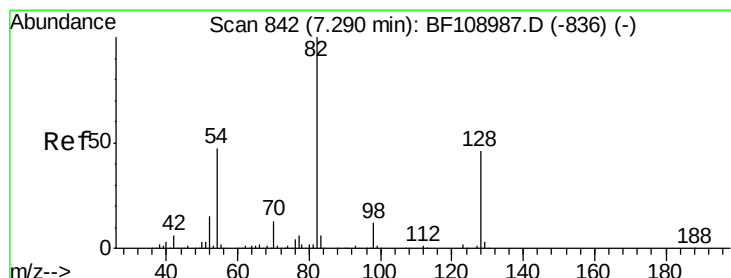
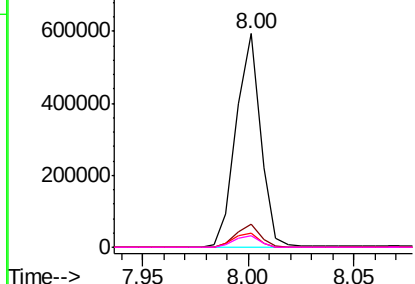
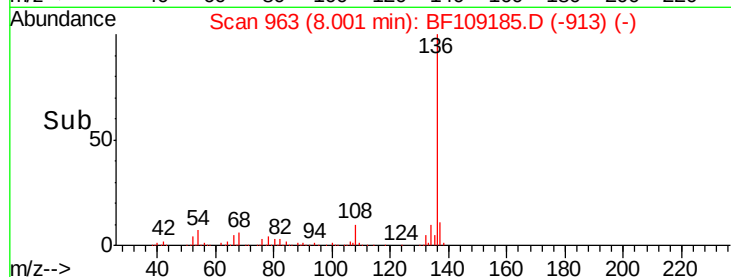
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SA-01-091918

Tgt Ion:	136	Resp:	479335
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	5.5	5.0	7.4

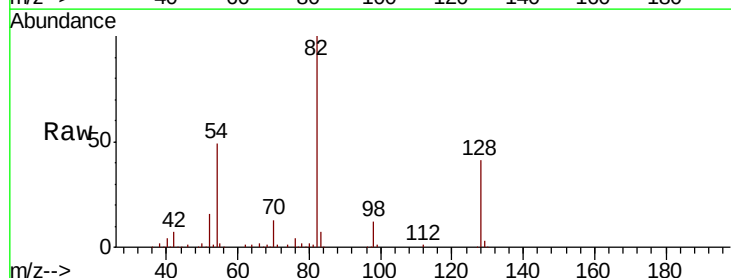


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

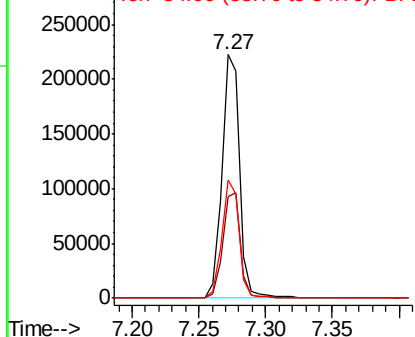
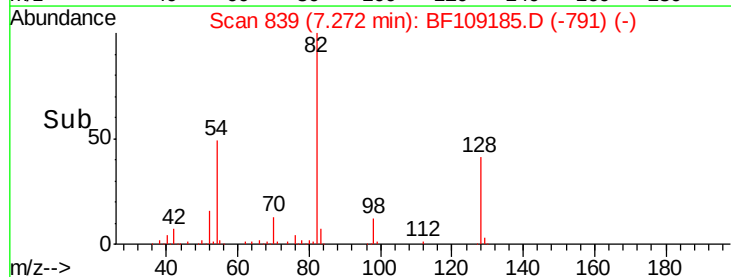


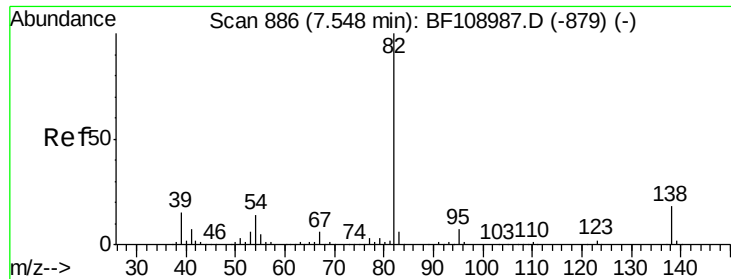
#23
Nitrobenzene-d5
Concen: 24.352 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.02 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Tgt Ion:	82	Resp:	208117
Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.1	54.1
54	48.7	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

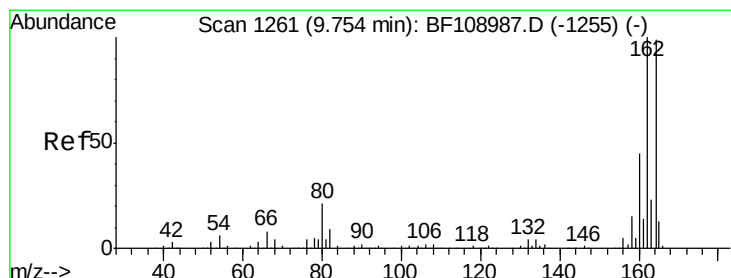
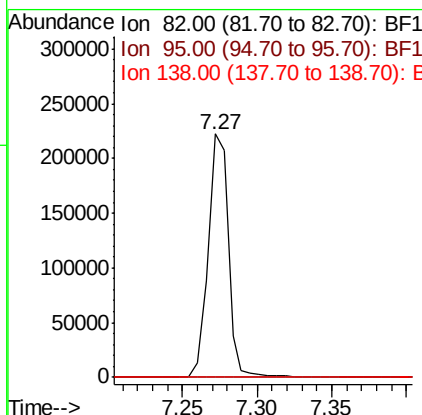
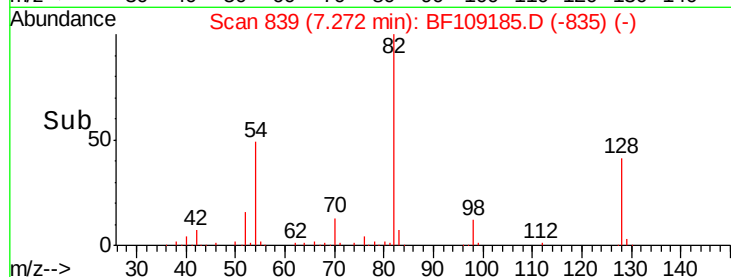
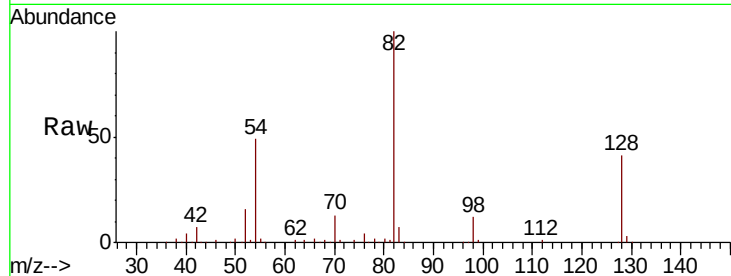




#25
Isophorone
Concen: 13.984 ng
RT: 7.27 min Scan# 839
Delta R.T. -0.28 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

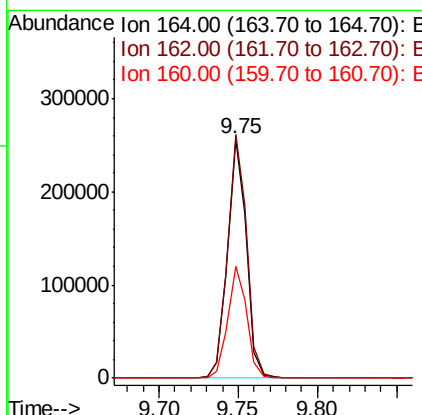
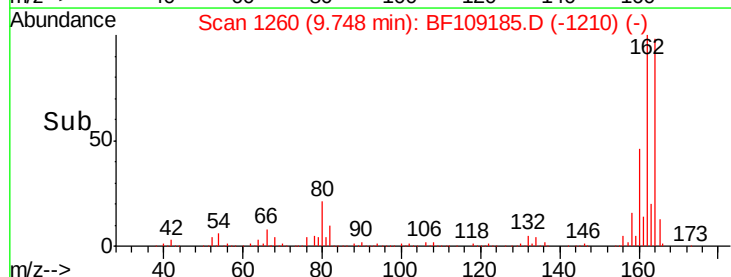
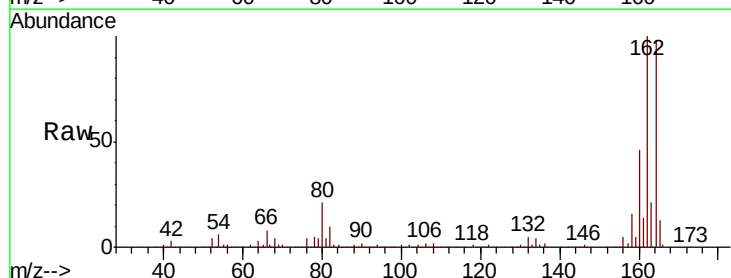
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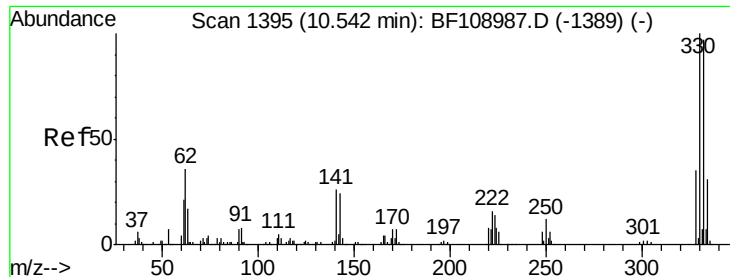
Tgt Ion: 82 Resp: 205427
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Tgt Ion: 164 Resp: 209500
Ion Ratio Lower Upper
164 100
162 101.8 86.1 129.1
160 46.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 29.310 ng

RT: 10.53 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

SA-01-091918

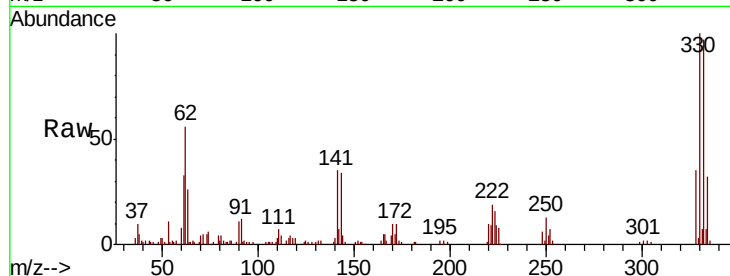
Tgt Ion:330 Resp: 66640

Ion Ratio Lower Upper

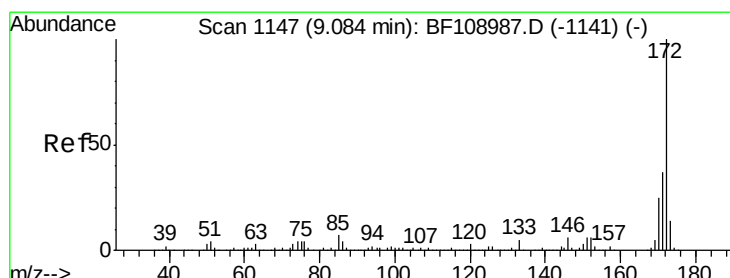
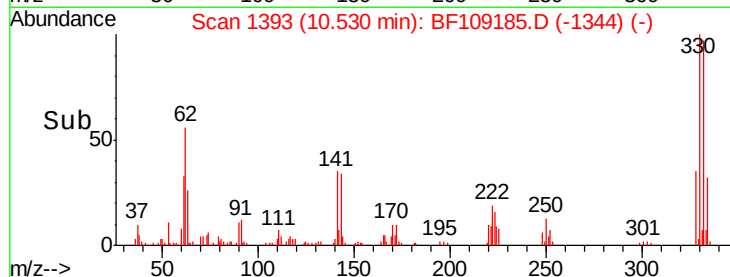
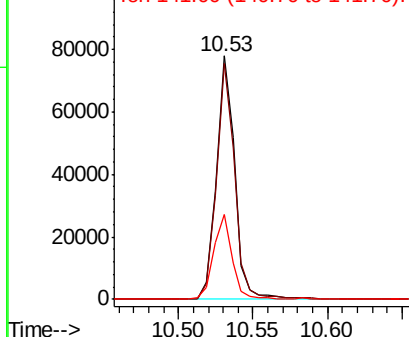
330 100

332 96.6 77.0 115.6

141 35.1 29.9 44.9



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: 27.489 ng

RT: 9.07 min Scan# 1145

Delta R.T. -0.01 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

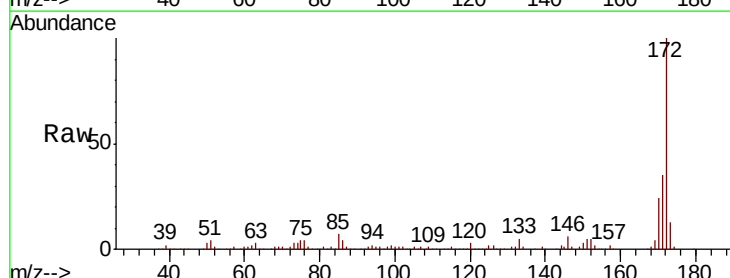
Tgt Ion:172 Resp: 367583

Ion Ratio Lower Upper

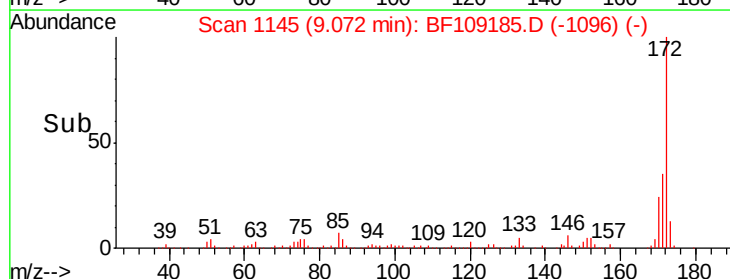
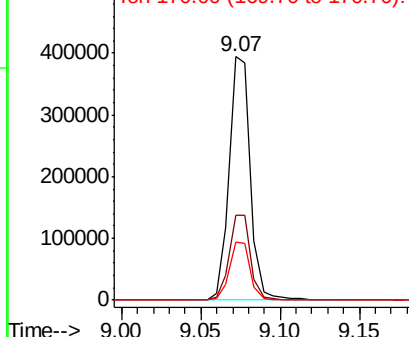
172 100

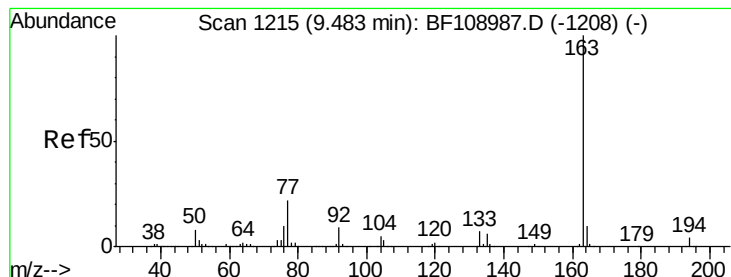
171 34.8 29.7 44.5

170 23.7 19.6 29.4



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





#49

Dimethylphthalate

Concen: 7.785 ng

RT: 9.47 min Scan# 1212

Delta R.T. -0.02 min

Lab File: BF109185.D

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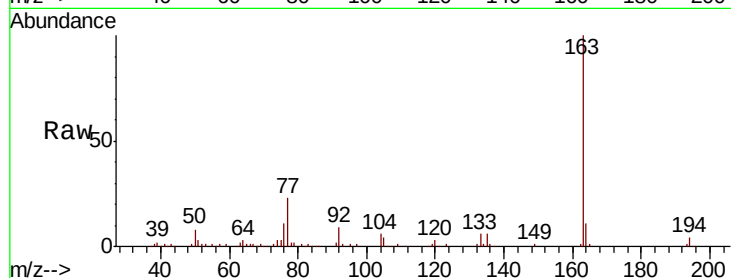
Tgt Ion:163 Resp: 116565

Ion Ratio Lower Upper

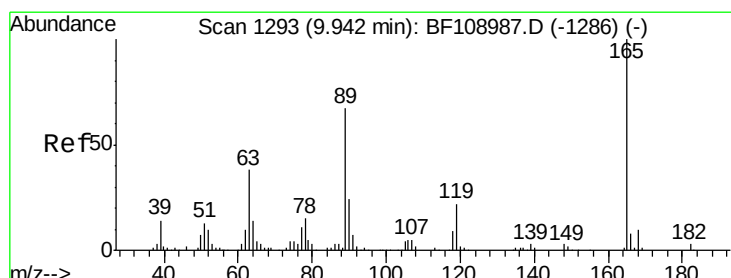
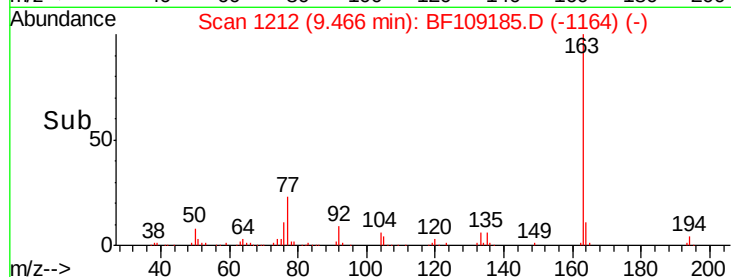
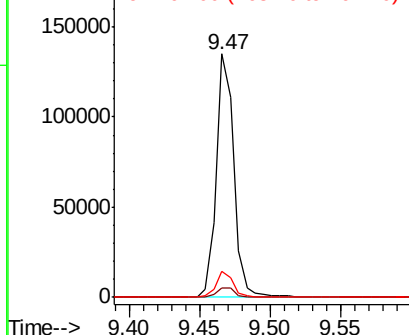
163 100

194 4.1 2.7 4.1#

164 10.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.164 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.19 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

Tgt Ion:165 Resp: 26770

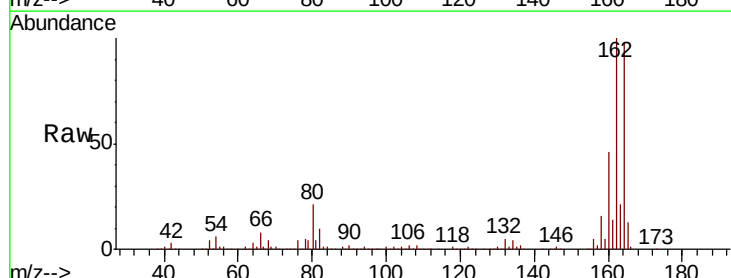
Ion Ratio Lower Upper

165 100

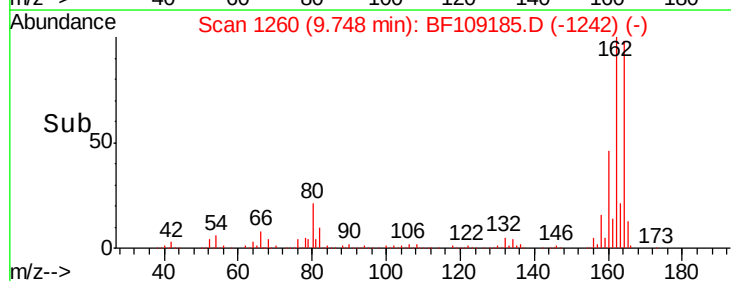
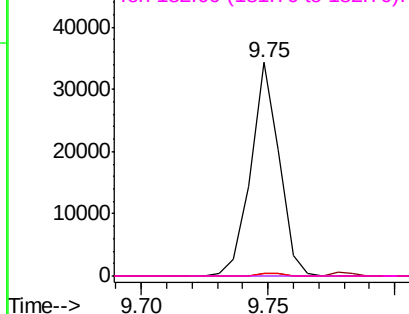
63 1.3 36.4 54.6#

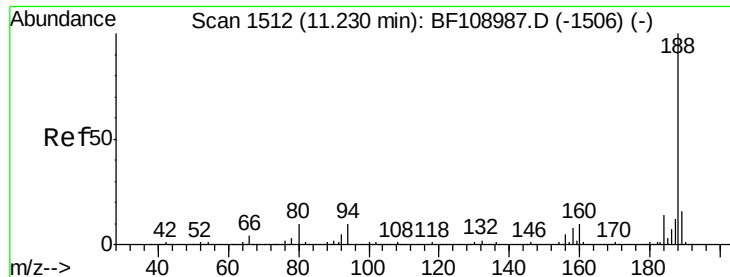
89 1.4 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

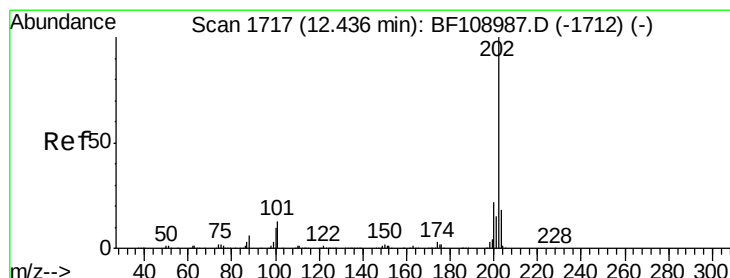
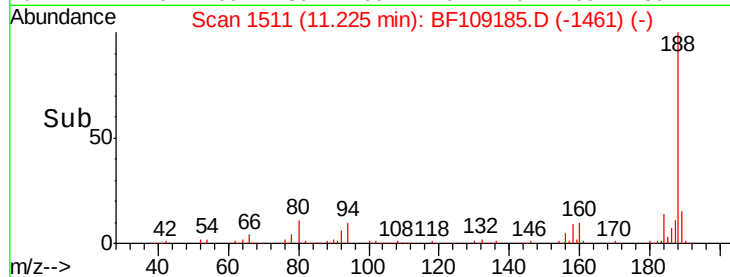
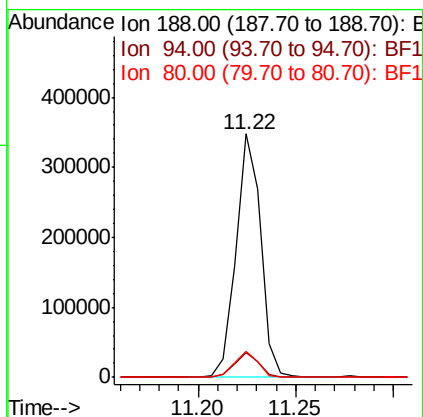
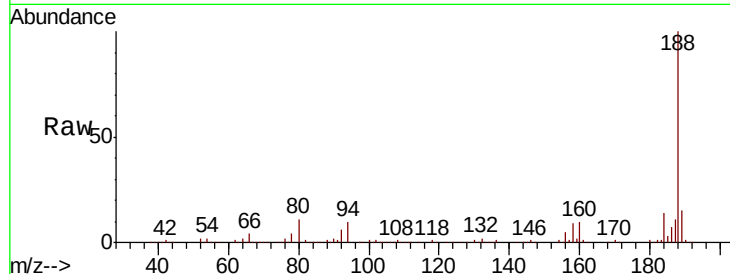




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF109185.D
 Acq: 20 Sep 2018 16:52

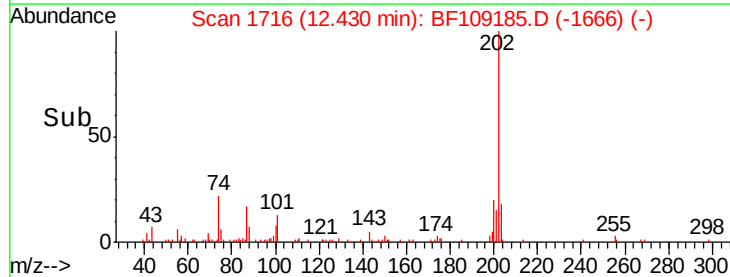
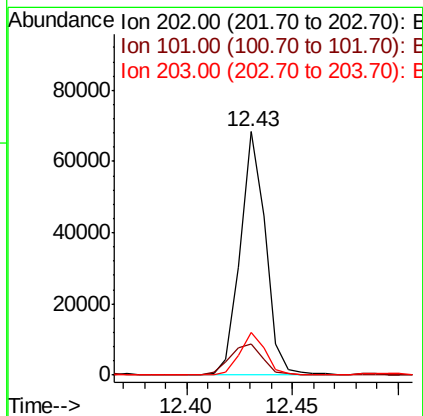
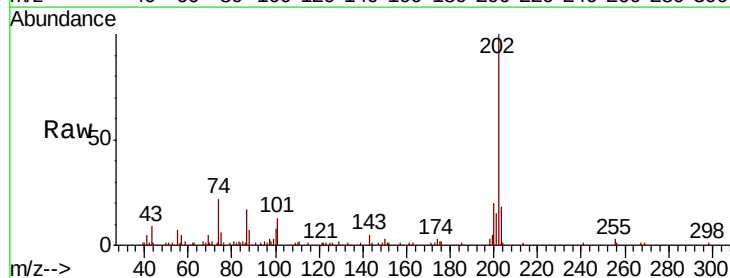
Instrument :
 BNA_F
 ClientSampleId :
 SA-01-091918

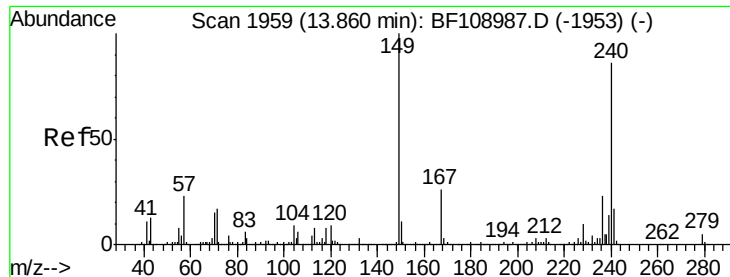
Tgt Ion:	188	Resp:	305979
Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.8	9.2	13.8



#74
 Fluoranthene
 Concen: 3.571 ng
 RT: 12.43 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BF109185.D
 Acq: 20 Sep 2018 16:52

Tgt Ion:	202	Resp:	56551
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

SA-01-091918

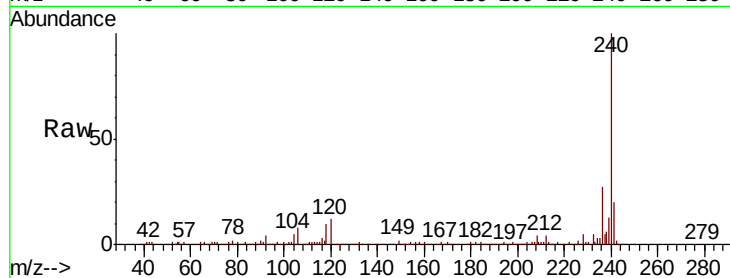
Tgt Ion:240 Resp: 234648

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

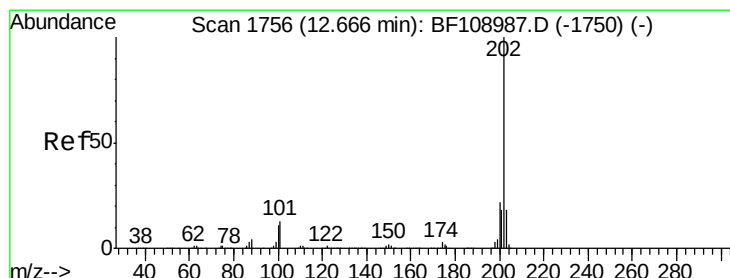
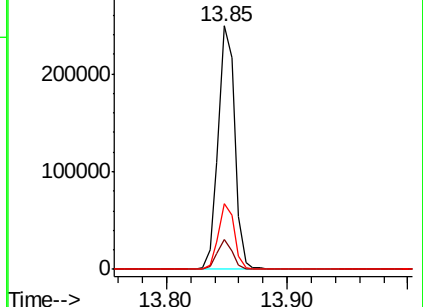
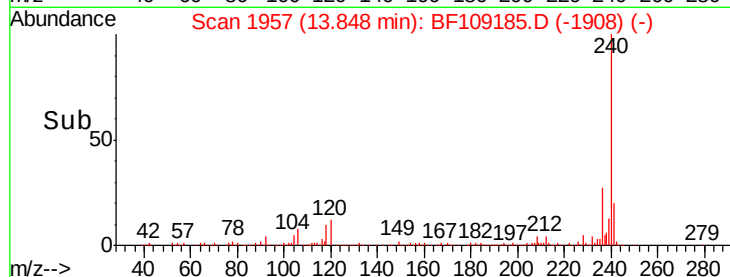
236 26.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.783 ng

RT: 12.65 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

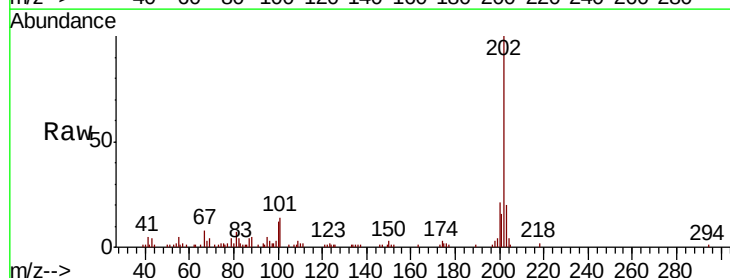
Tgt Ion:202 Resp: 48505

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

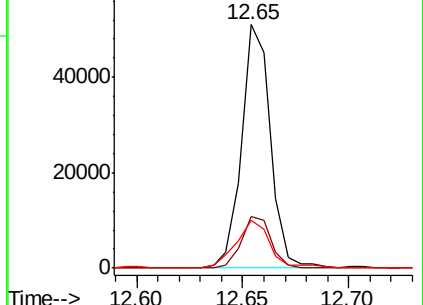
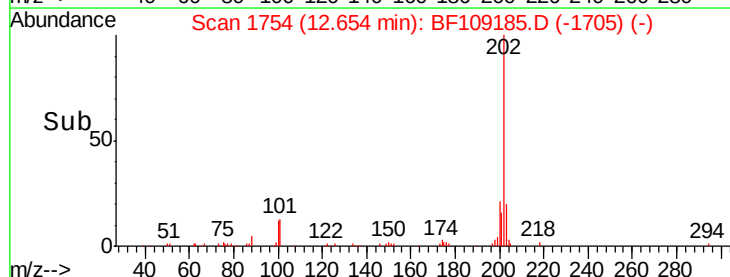
203 19.6 14.3 21.5

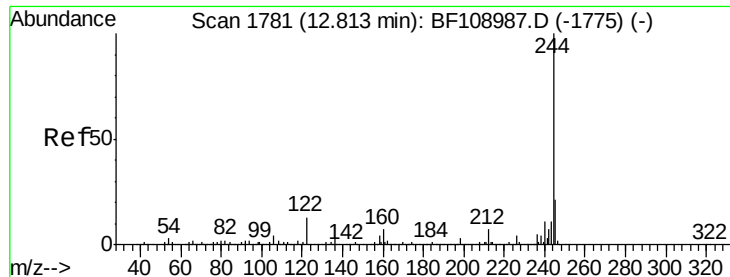


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

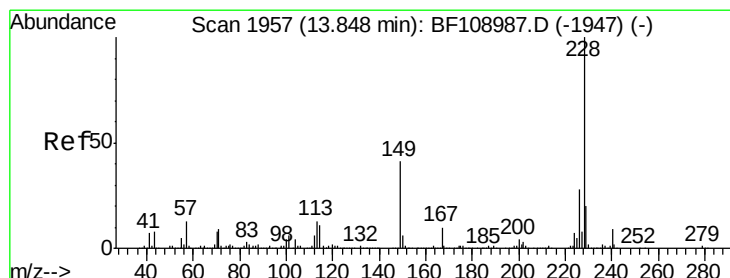
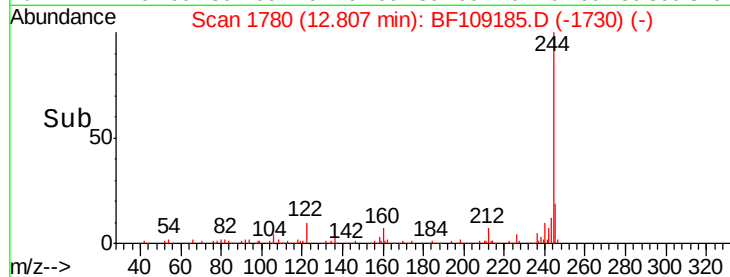
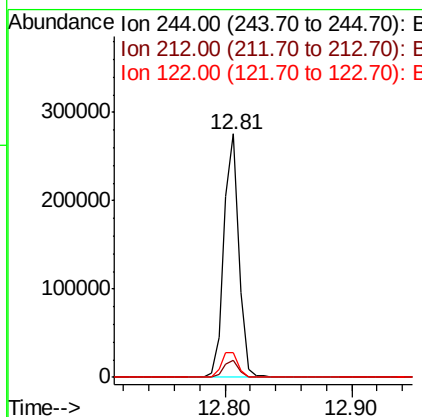
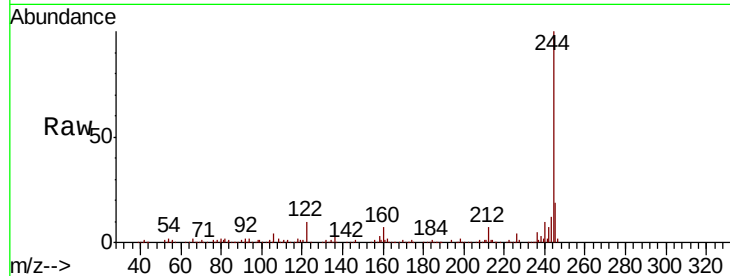




#78
 Terphenyl-d14
 Concen: 23.014 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF109185.D
 Acq: 20 Sep 2018 16:52

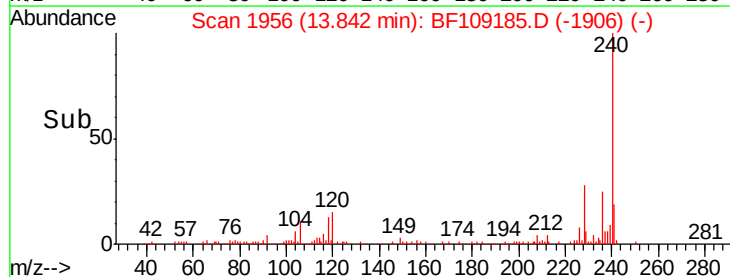
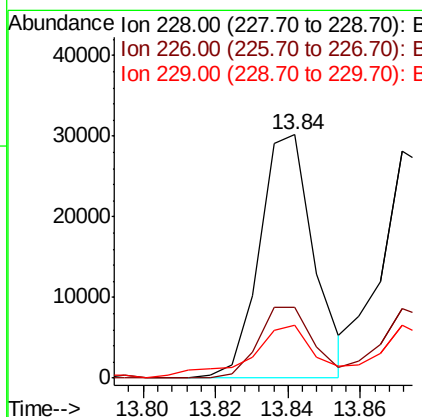
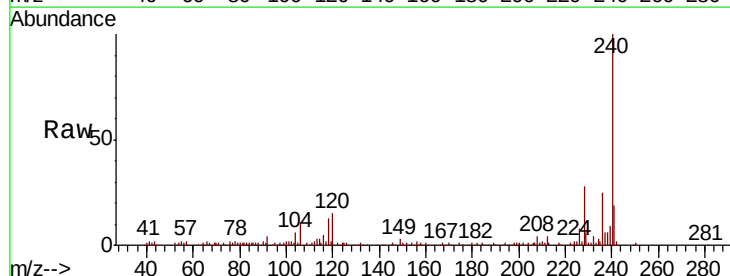
Instrument :
 BNA_F
 ClientSampleId :
 SA-01-091918

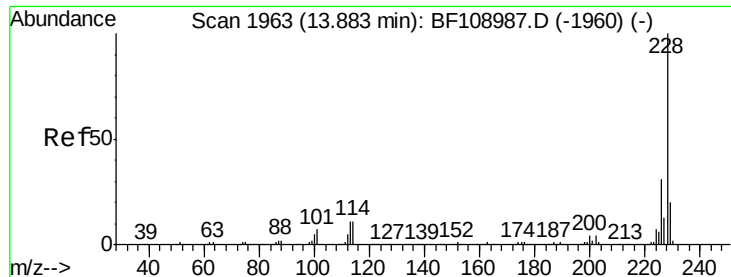
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.2	11.0	16.4#



#80
 Benzo(a)anthracene
 Concen: 2.229 ng
 RT: 13.84 min Scan# 1956
 Delta R.T. -0.01 min
 Lab File: BF109185.D
 Acq: 20 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.7	15.8	23.6





#82

Chrysene

Concen: 2.165 ng

RT: 13.87 min Scan# 1961

Delta R.T. -0.01 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

Instrument :

BNA_F

ClientSampleId :

SA-01-091918

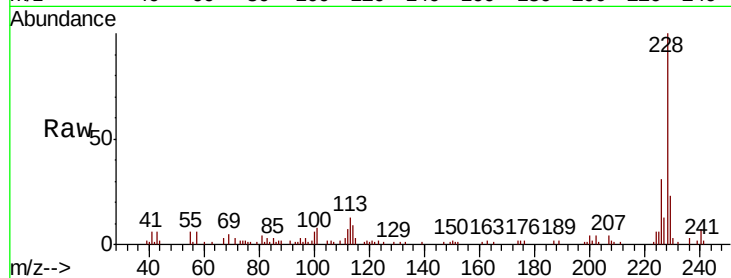
Tgt Ion: 228 Resp: 30778

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

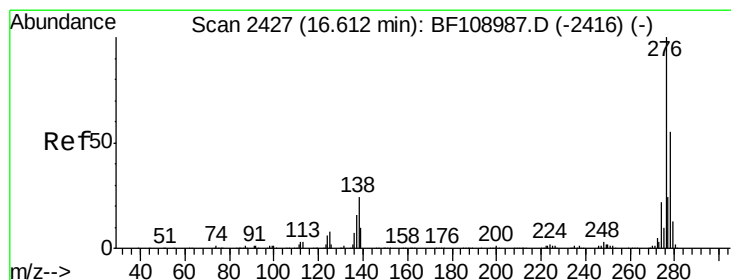
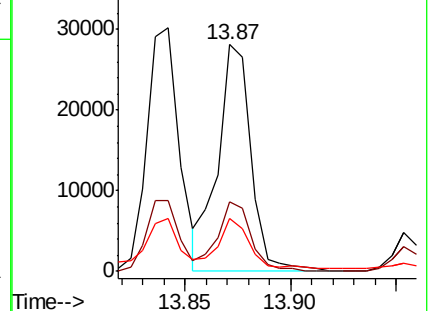
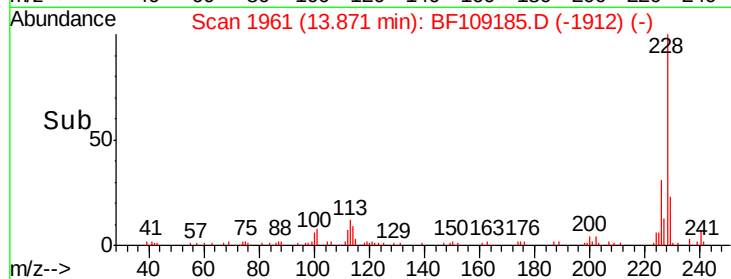
229 23.3 16.2 24.4



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: 2.045 ng

RT: 16.60 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BF109185.D

Acq: 20 Sep 2018 16:52

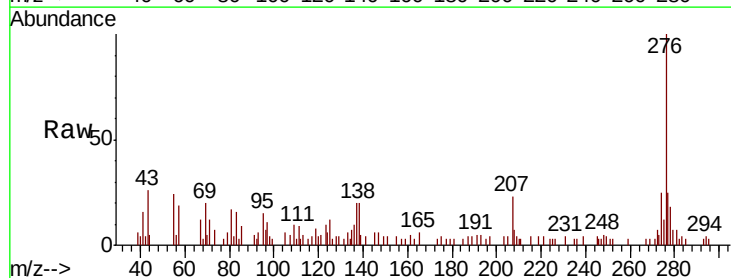
Tgt Ion: 276 Resp: 23239

Ion Ratio Lower Upper

276 100

138 23.4 25.0 37.6#

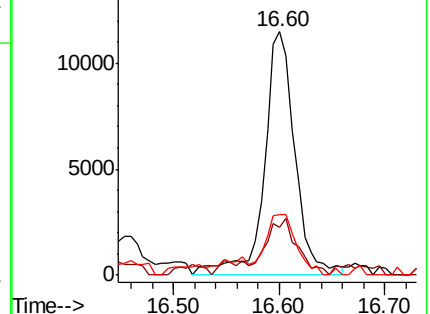
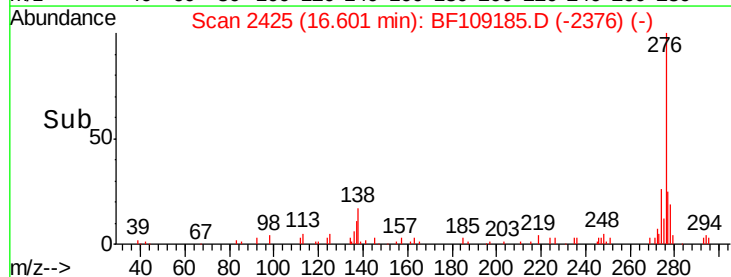
277 25.1 20.1 30.1

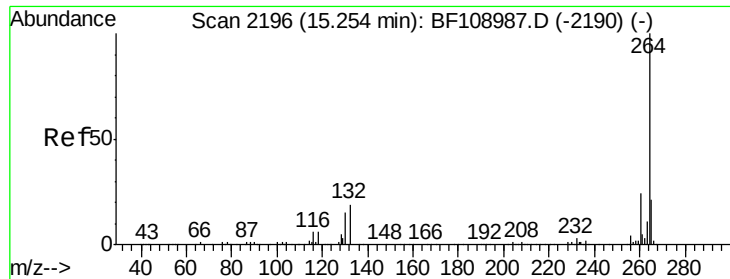


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

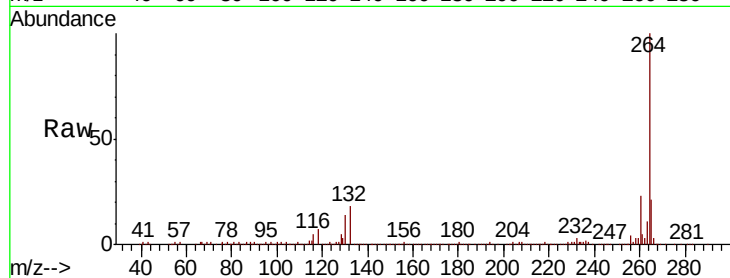




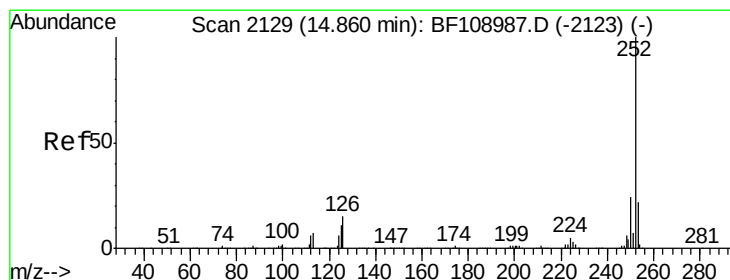
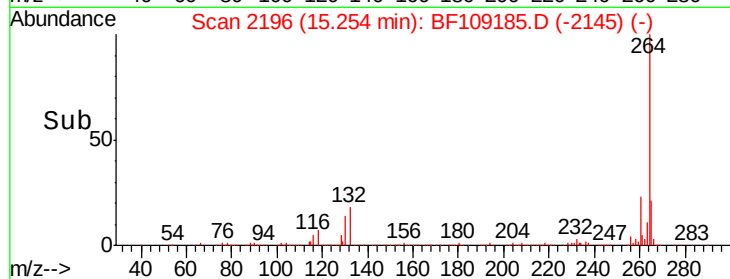
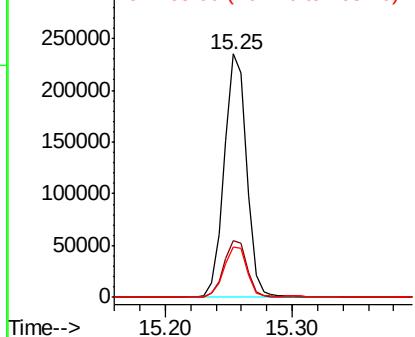
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SA-01-091918

Tgt Ion:	264	Resp:	287157
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	20.9	17.5	26.3

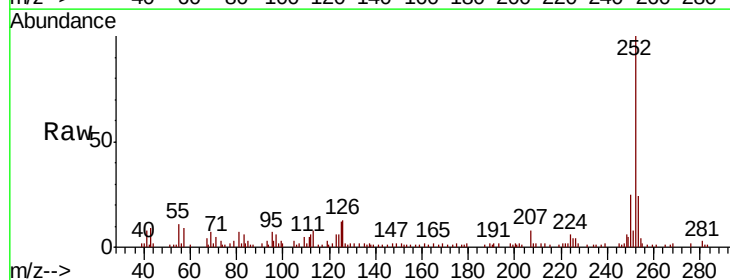


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

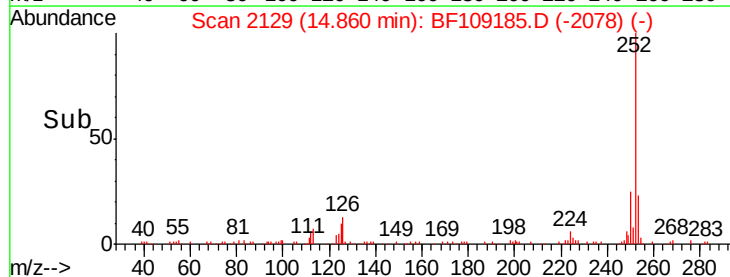
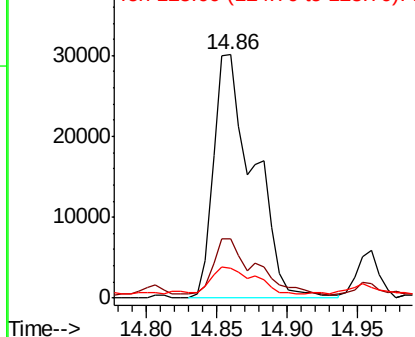


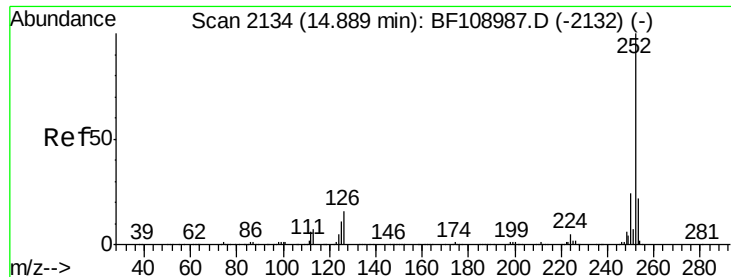
#87
Benzo(b)fluoranthene
Concen: 3.761 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Tgt Ion:	252	Resp:	59747
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	12.5	9.0	13.6



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

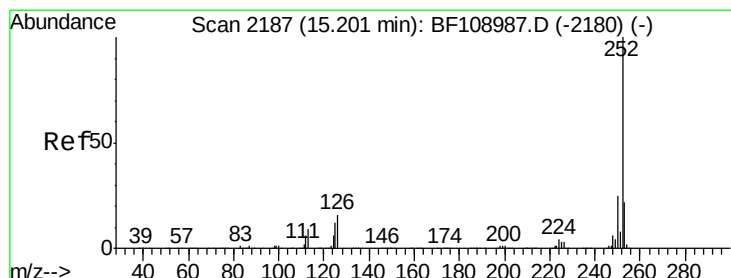
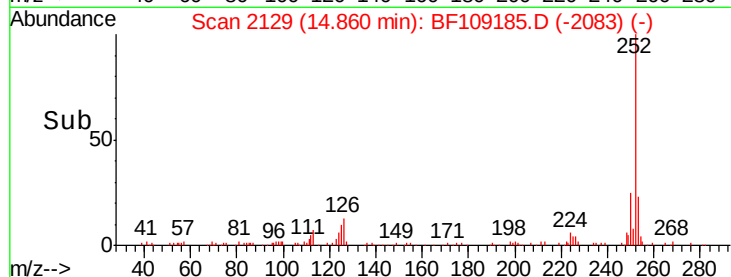
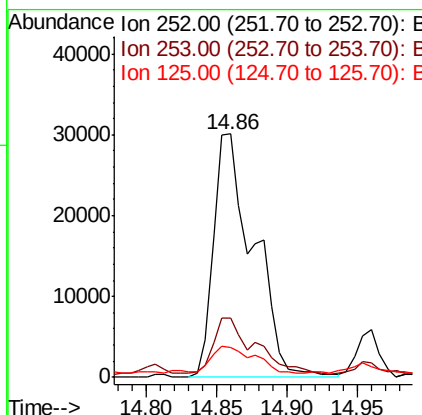
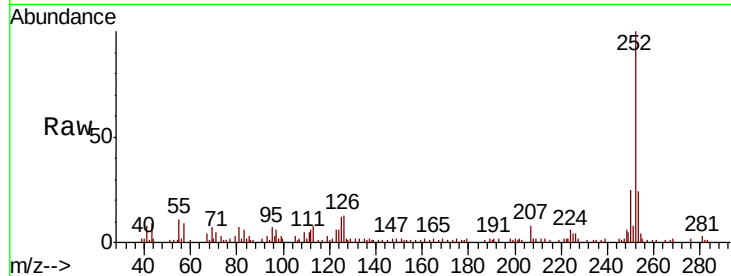




#88
Benzo(k)fluoranthene
Concen: 4.027 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Instrument :
BNA_F
ClientSampleId :
SA-01-091918

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	12.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.237 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109185.D
Acq: 20 Sep 2018 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	12.9	9.8	14.6

