

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108199.D
 Acq On : 16 Aug 2018 17:09
 Operator : JU/SJ
 Sample : J4499-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSB-04(0-1)

Quant Time: Aug 17 14:40:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

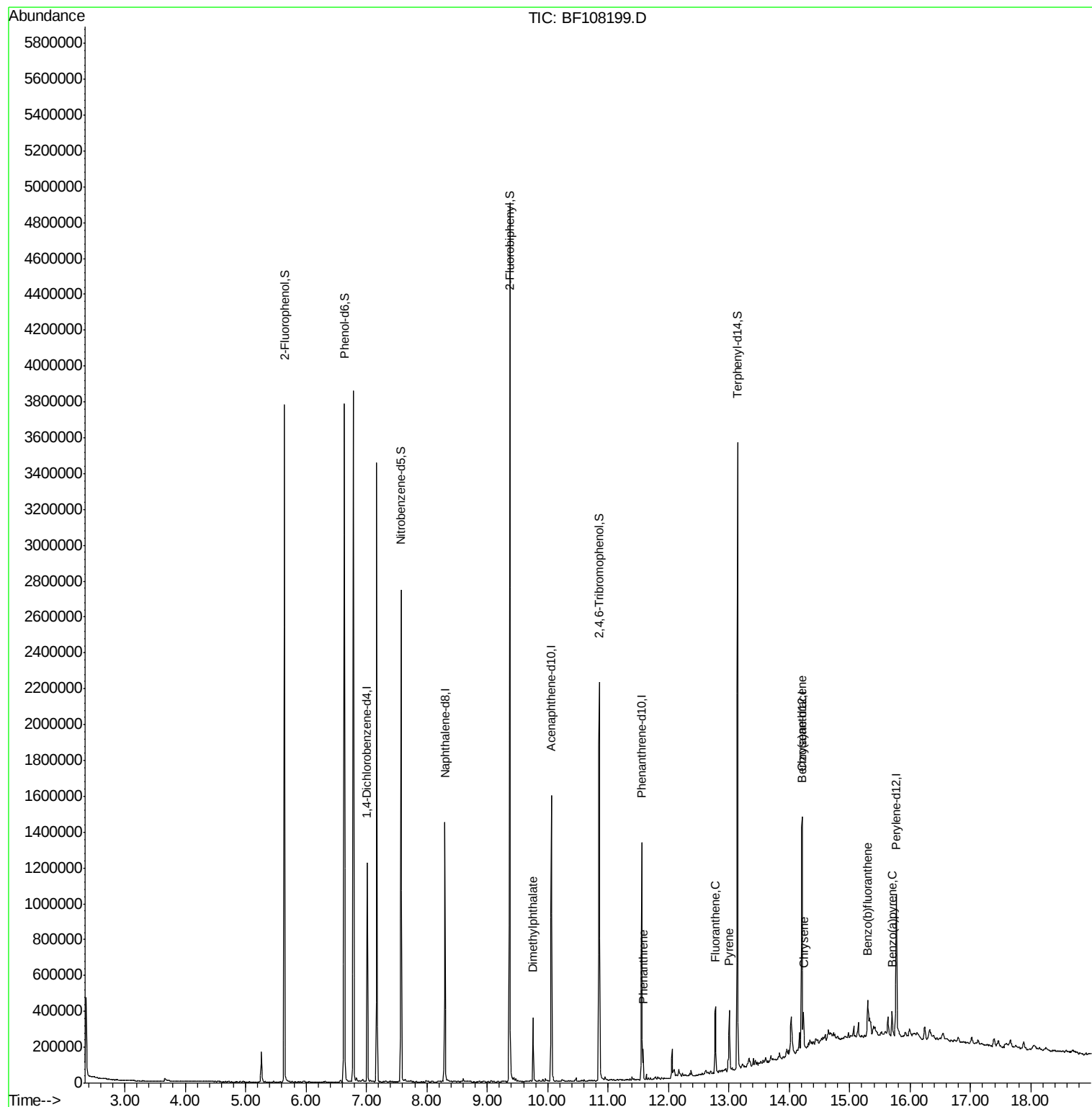
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	181691	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	662384	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	296410	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	460214	20.00	ng	0.00
75) Chrysene-d12	14.21	240	431895	20.00	ng	0.00
86) Perylene-d12	15.77	264	404371	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	927822	92.45	ng	0.01
7) Phenol-d6	6.64	99	1229020	92.16	ng	0.00
23) Nitrobenzene-d5	7.58	82	831974	70.09	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	267280	90.40	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1457371	78.94	ng	0.00
78) Terphenyl-d14	13.14	244	1133276	66.72	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	129378	6.266	ng	Qvalue # 99
70) Phenanthrene	11.58	178	54630	2.517	ng	99
74) Fluoranthene	12.78	202	148487	6.268	ng	93
77) Pyrene	13.01	202	128863	4.713	ng	97
80) Benzo(a)anthracene	14.20	228	72198	2.913	ng	96
82) Chrysene	14.24	228	79027	3.478	ng	97
87) Benzo(b)fluoranthene	15.30	252	112927m	4.674	ng	
89) Benzo(a)pyrene	15.70	252	69058	3.192	ng	95

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

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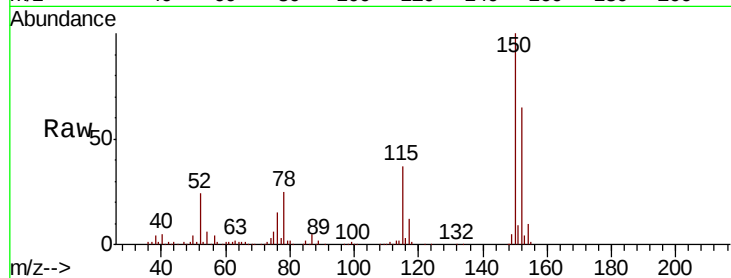


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Instrument :
BNA_F
ClientSampleId :
LSB-04(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.6	186.8
115	57.1	50.1	75.1

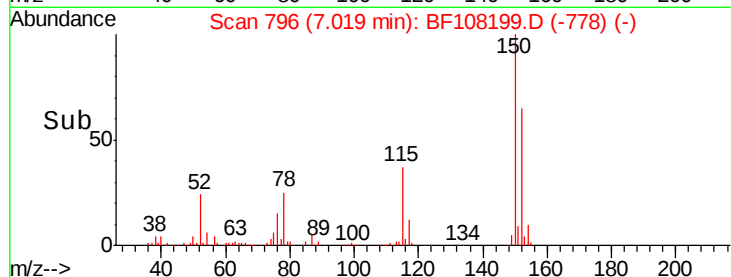
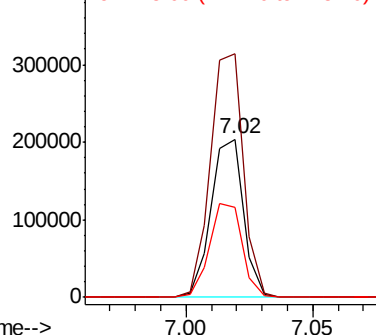


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

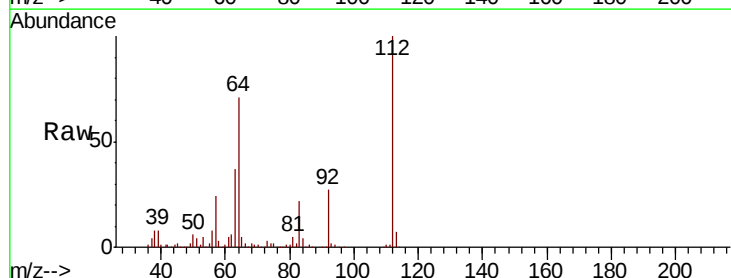
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.453 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.7	47.9	71.9
63	37.2	23.7	35.5

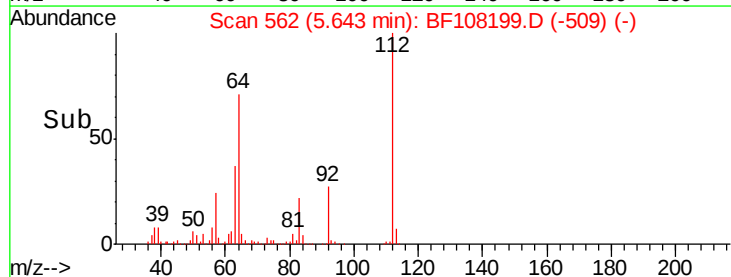
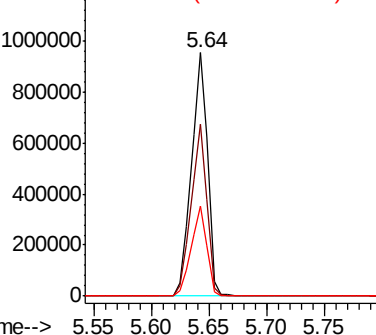


Abundance

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: 92.158 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Instrument :

BNA_F

ClientSampleId :

LSB-04(0-1)

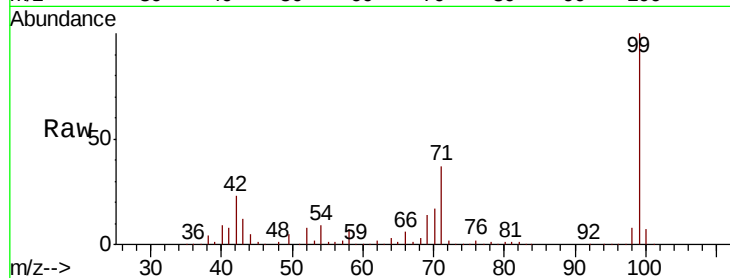
Tot Ion: 99 Resp: 1229020

Ion Ratio Lower Upper

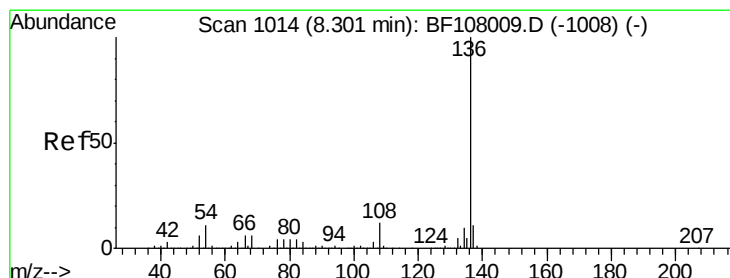
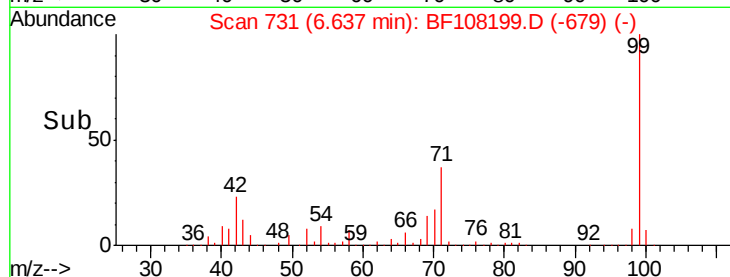
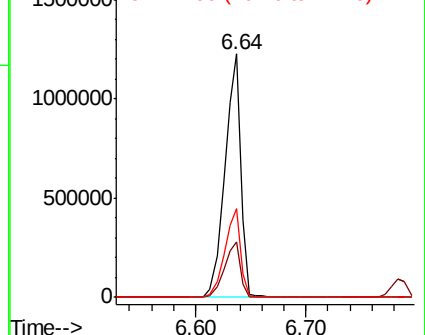
99 100

42 22.9 14.5 21.7#

71 36.7 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Tgt Ion: 136 Resp: 662384

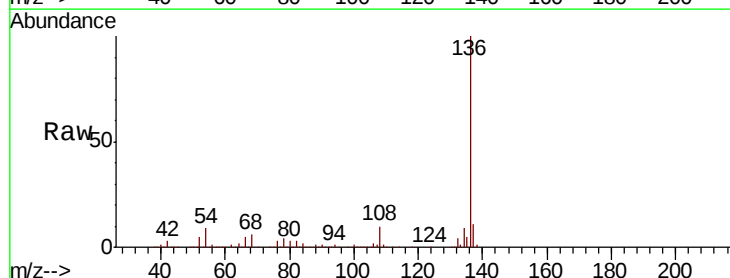
Ion Ratio Lower Upper

136 100

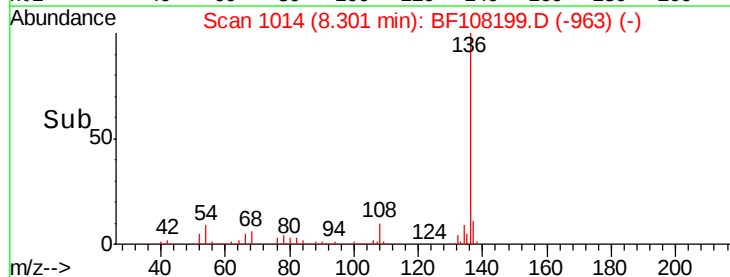
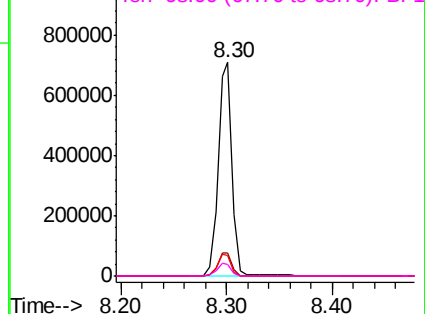
137 10.7 8.9 13.3

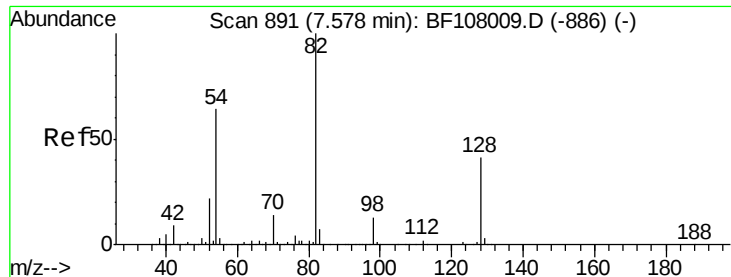
54 9.4 6.6 9.8

68 5.6 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

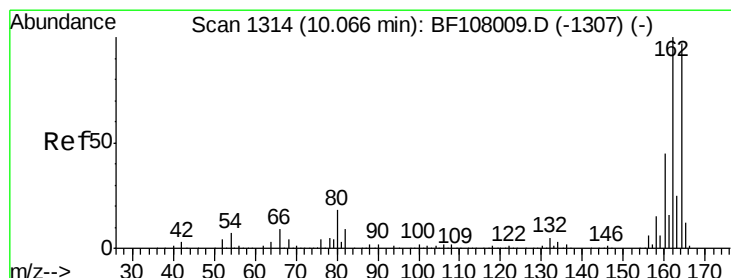
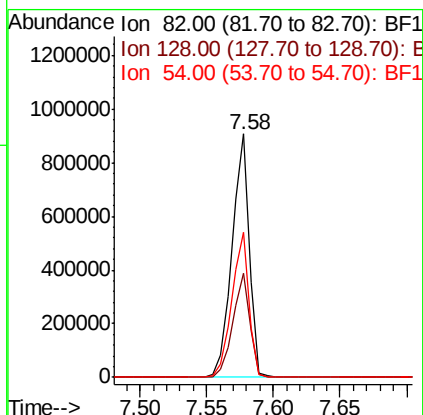
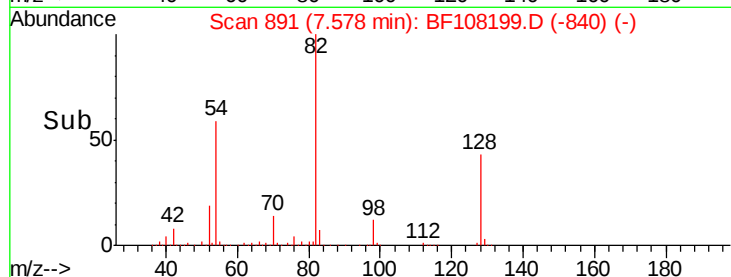
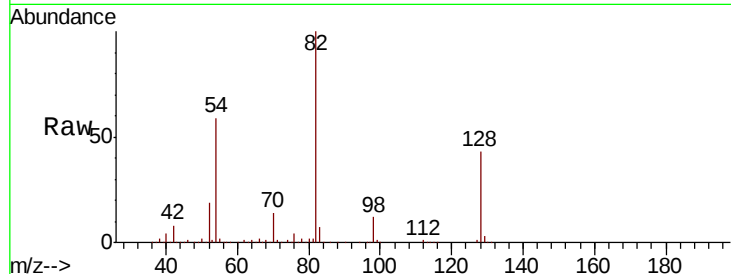




#23
Nitrobenzene-d5
Concen: 70.088 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

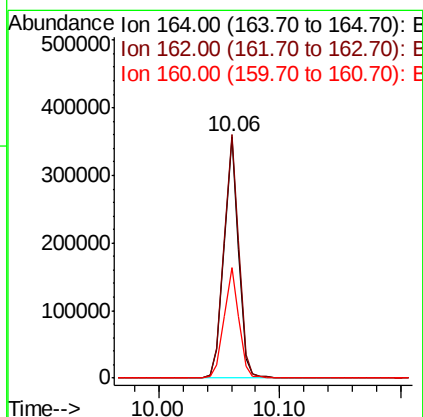
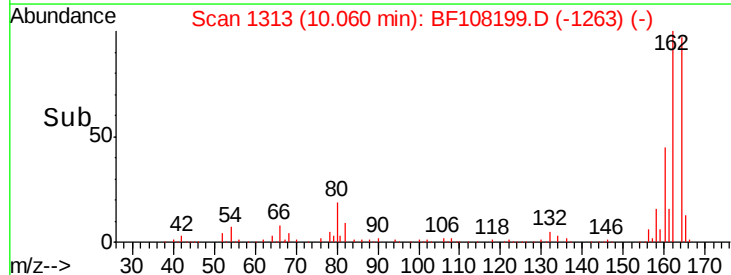
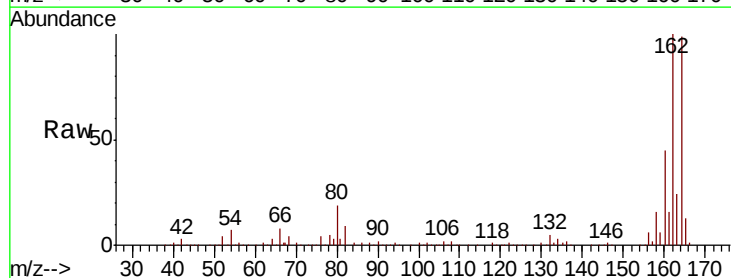
Instrument :
BNA_F
ClientSampleId :
LSB-04(0-1)

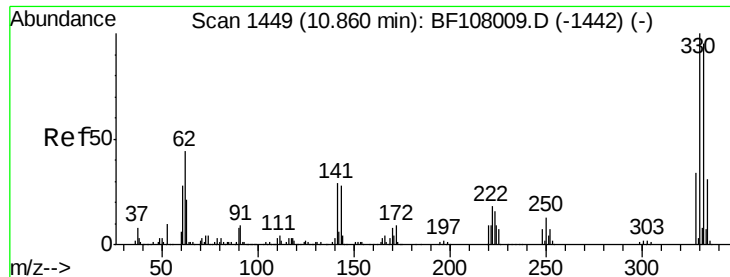
Tot Ion	82	Resp	831974
Ion Ratio	Lower	Upper	
82	100		
128	42.7	36.1	54.1
54	59.4	41.4	62.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion	164	Resp	296410
Ion Ratio	Lower	Upper	
164	100		
162	100.7	86.1	129.1
160	45.8	38.3	57.5

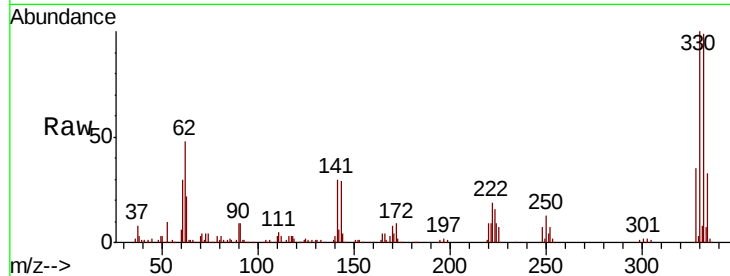




#41
 2,4,6-Tribromophenol
 Concen: 90.401 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :
 LSB-04(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	33.0	29.9	44.9

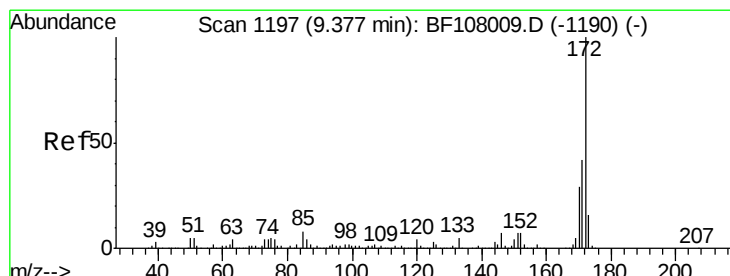
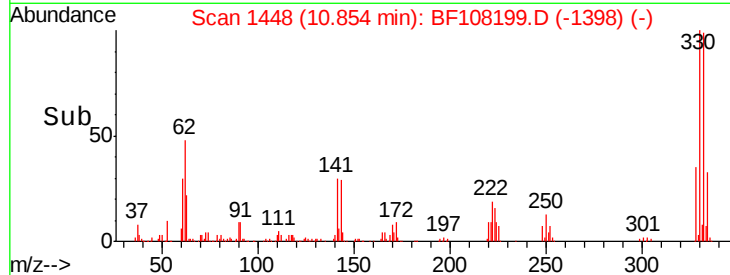
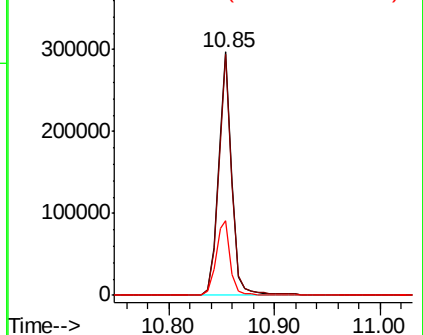


Abundance

Ion 329.80 (329.50 to 330.50): E

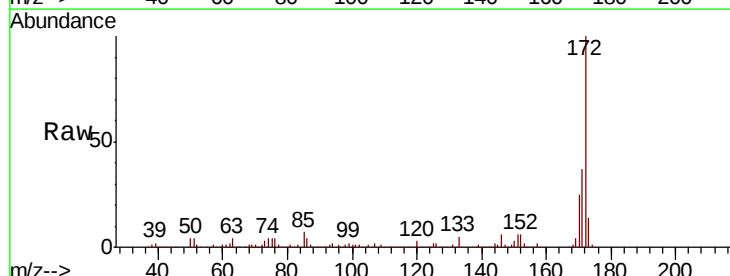
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 78.937 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.9	19.6	29.4

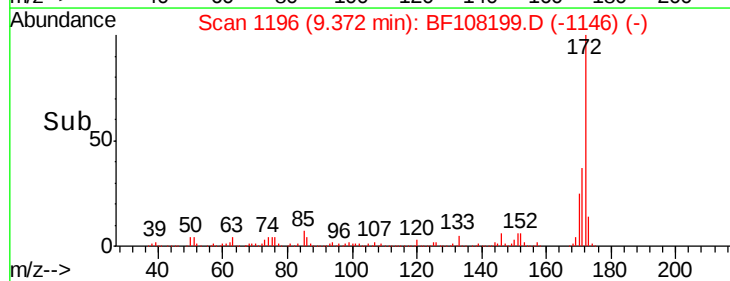
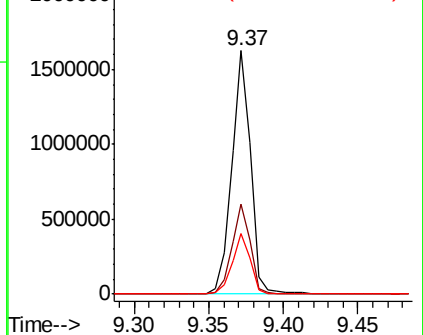


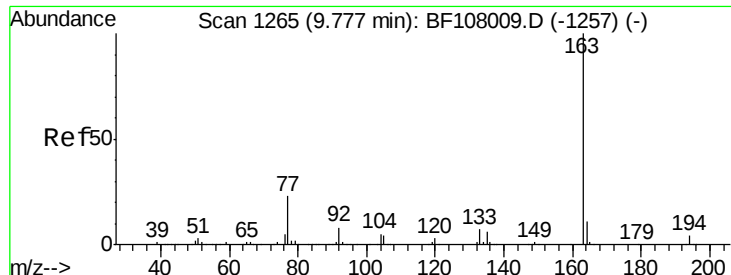
Abundance

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

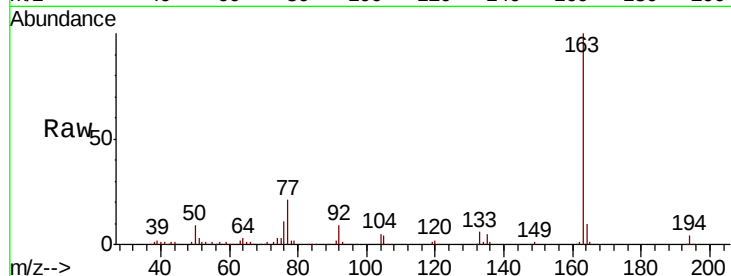




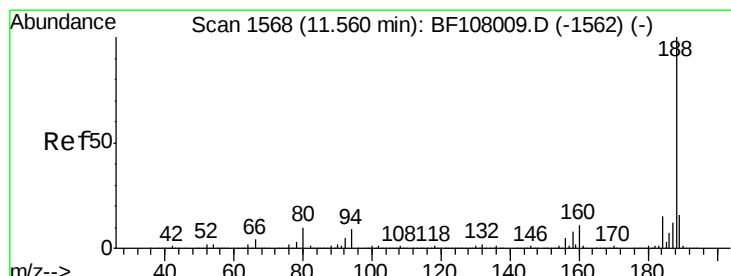
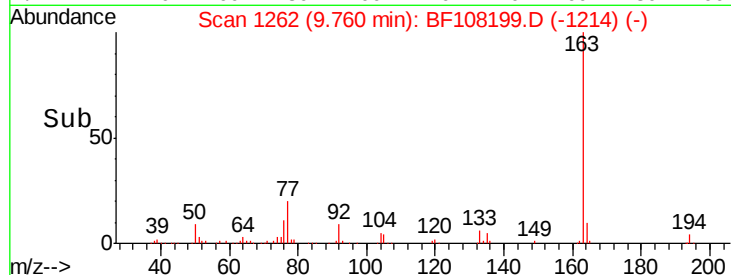
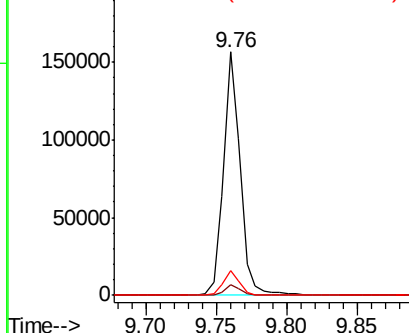
#49
 Dimethylphthalate
 Concen: 6.266 ng
 RT: 9.76 min Scan# 1262
 Delta R.T. -0.02 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Instrument :
 BNA_F
 ClientSampleId :
 LSB-04(0-1)

Tot Ion:163 Resp: 129378
 Ion Ratio Lower Upper
 163 100
 194 4.2 2.7 4.1#
 164 10.3 8.2 12.2

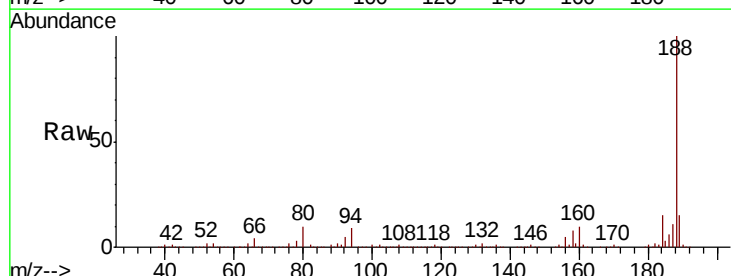


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

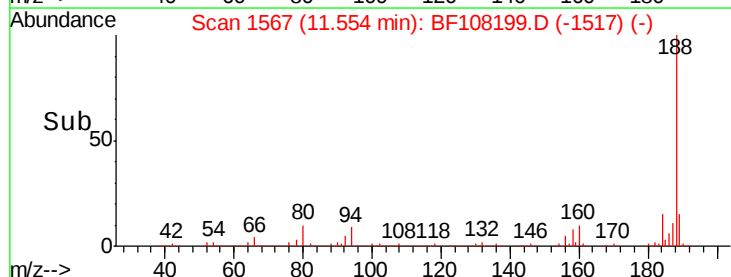
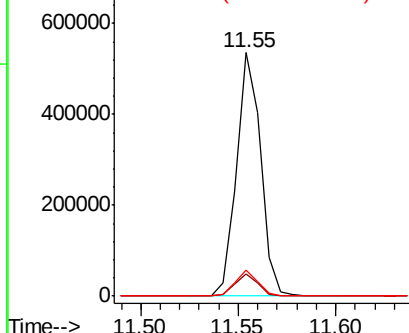


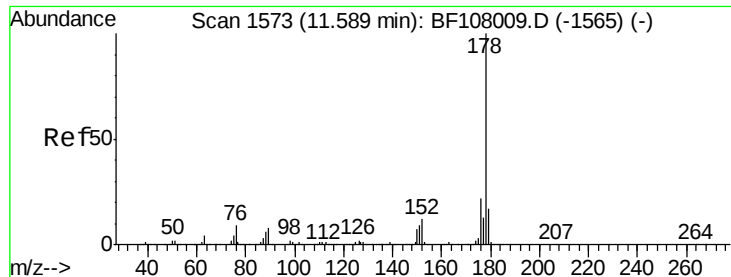
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BF108199.D
 Acq: 16 Aug 2018 17:09

Tgt Ion:188 Resp: 460214
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

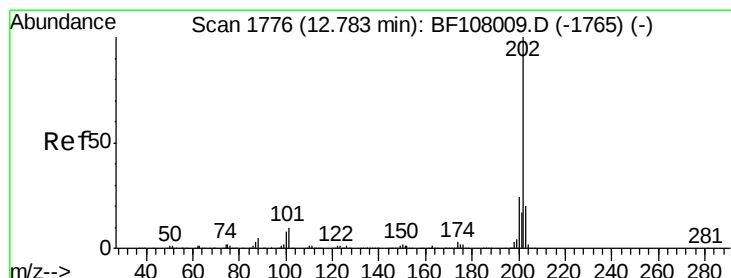
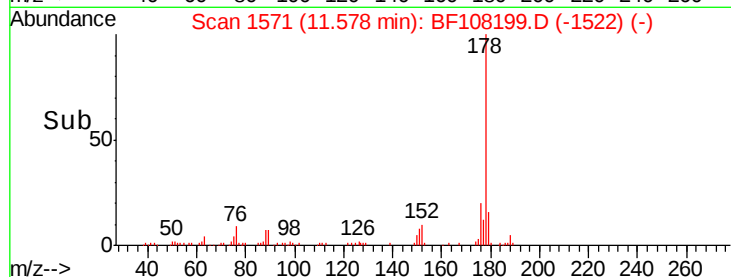
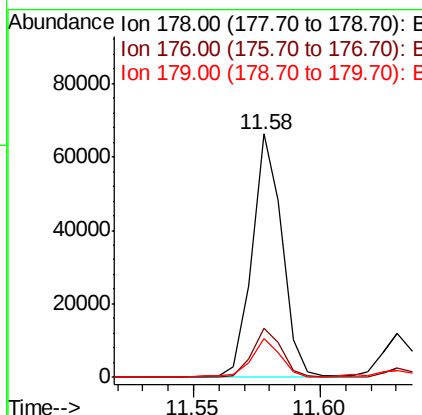
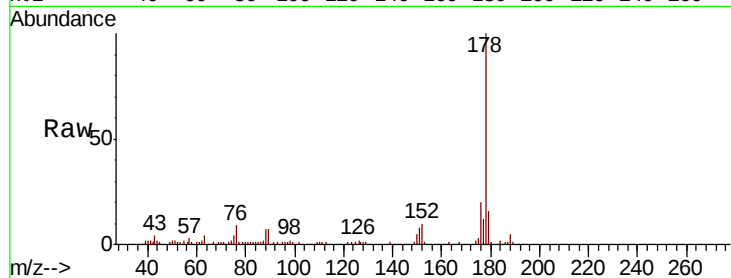




#70
Phenanthrene
Concen: 2.517 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

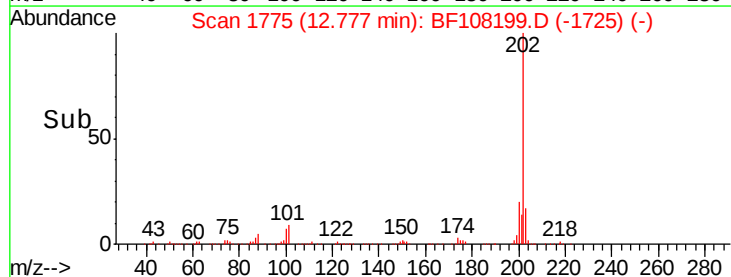
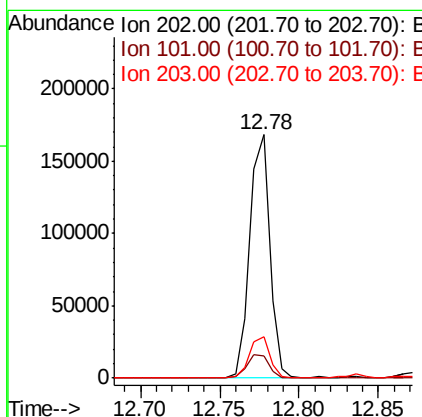
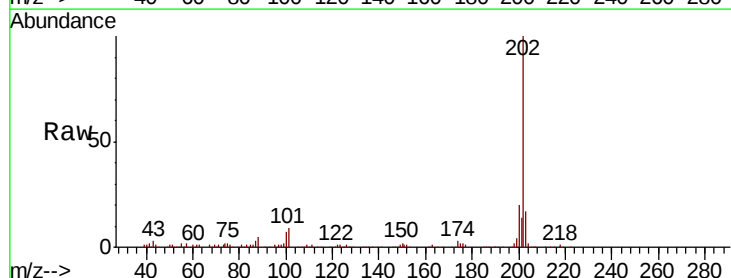
Instrument :
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LSB-04(0-1)

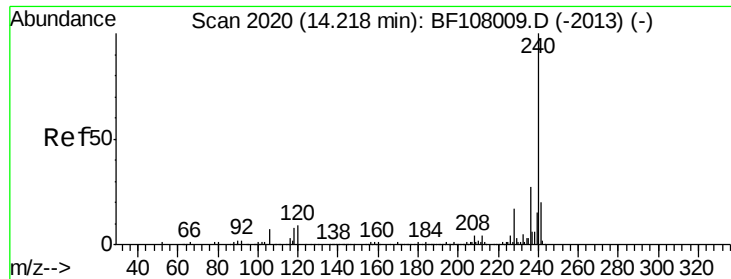
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.0	13.0	19.6



#74
Fluoranthene
Concen: 6.268 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	34.1
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Instrument :

BNA_F

ClientSampleId :

LSB-04(0-1)

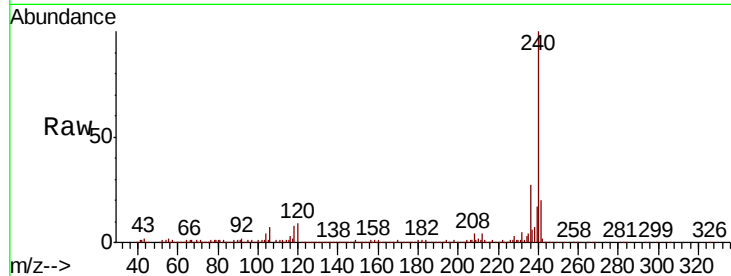
Tot Ion:240 Resp: 431895

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

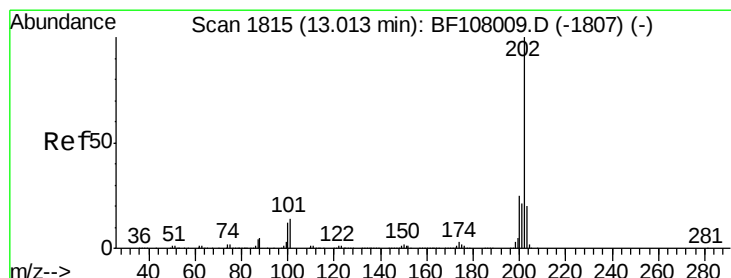
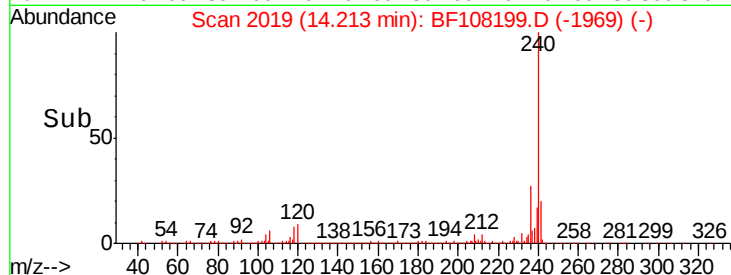
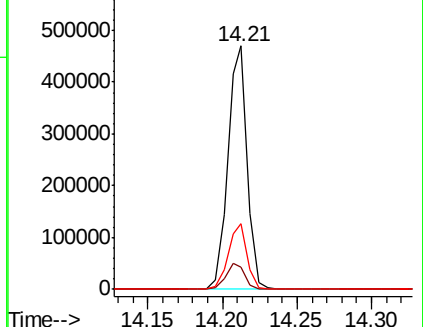
236 27.2 20.7 31.1



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: 4.713 ng

RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

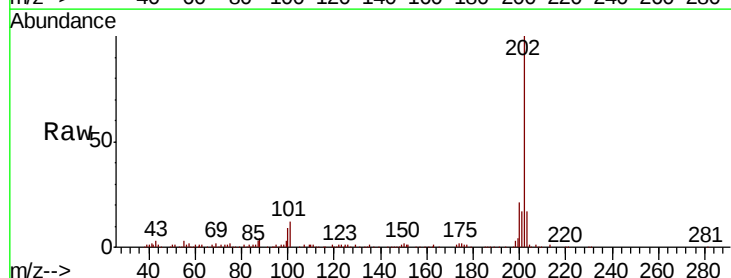
Tgt Ion:202 Resp: 128863

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

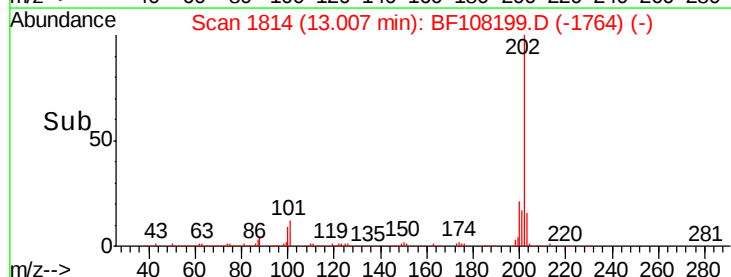
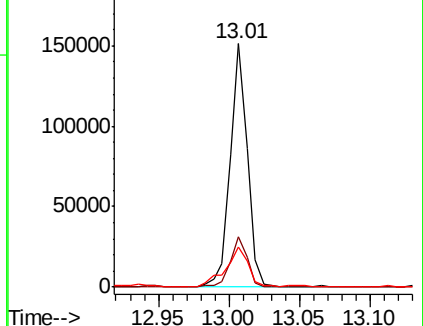
203 16.7 14.3 21.5

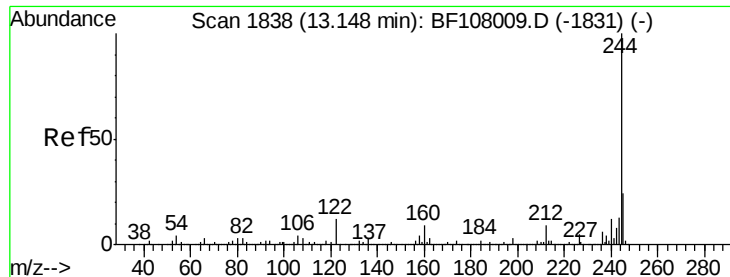


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.716 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Instrument :

BNA_F

ClientSampleId :

LSB-04(0-1)

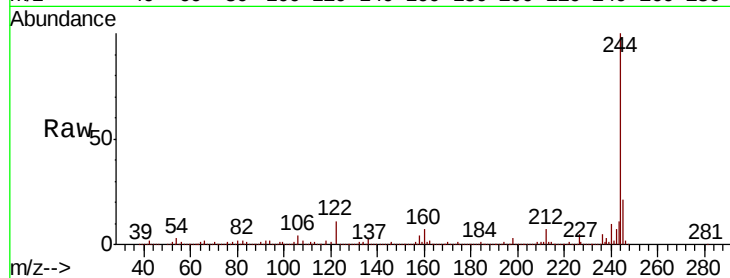
Tot Ion:244 Resp: 1133276

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

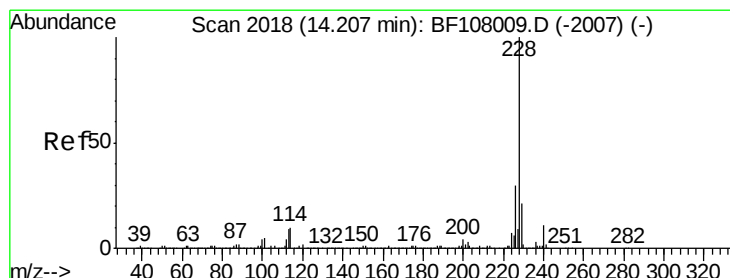
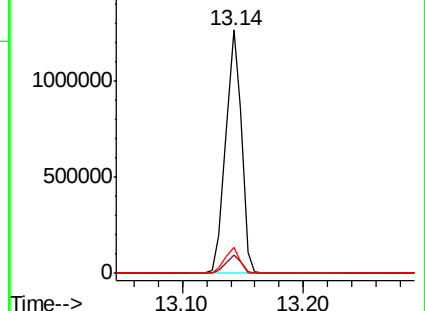
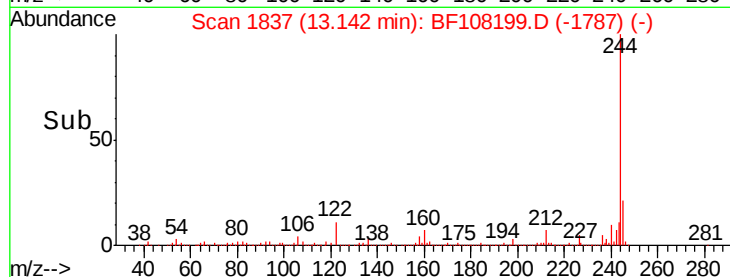
122 10.7 11.0 16.4#



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: 2.913 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

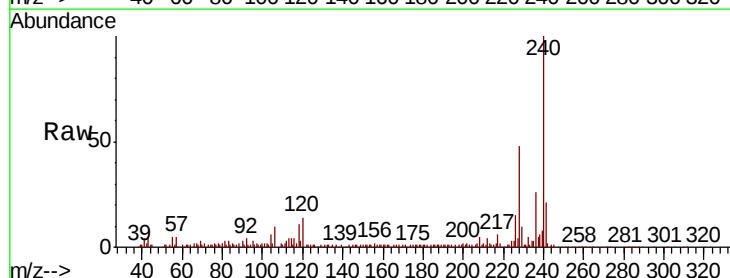
Tgt Ion:228 Resp: 72198

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

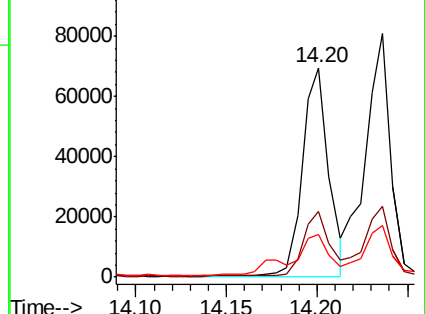
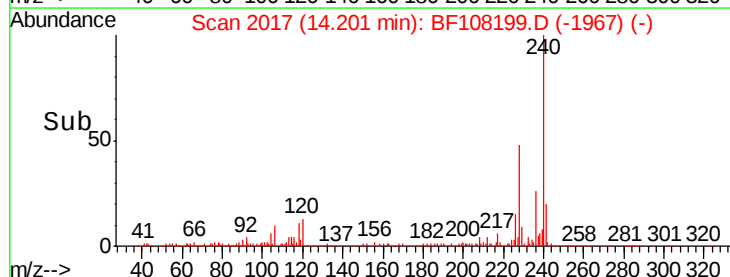
229 20.3 15.8 23.6

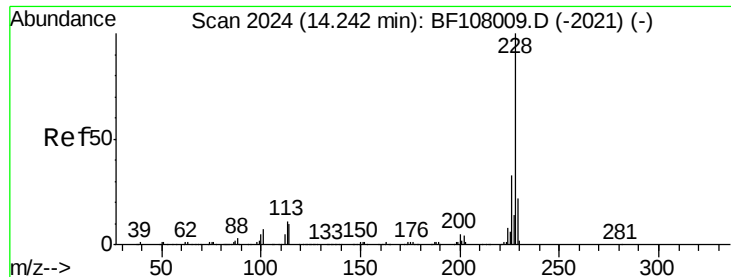


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

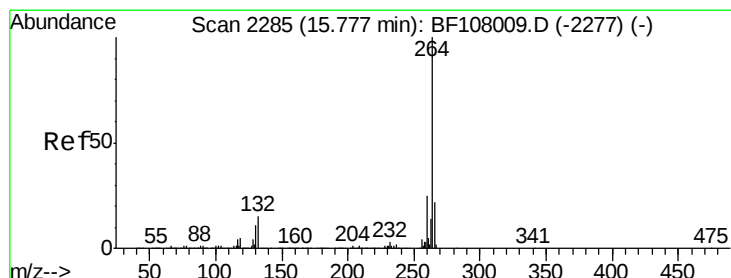
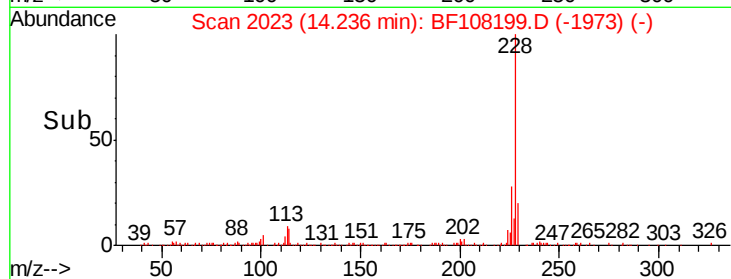
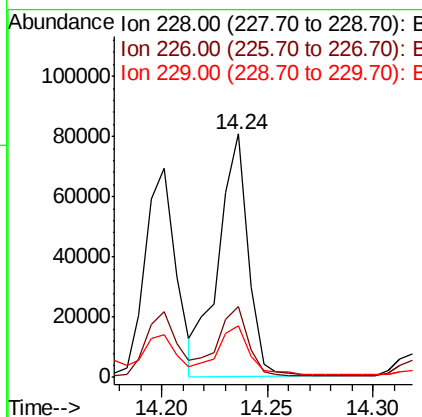
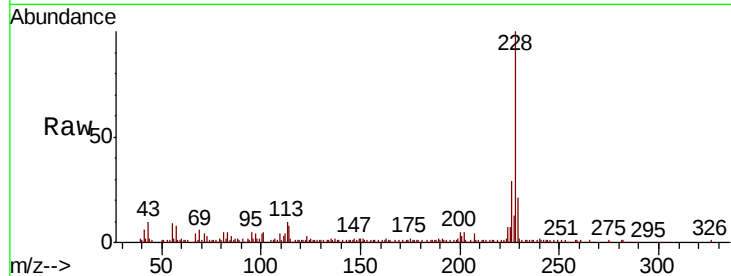




#82
Chrysene
Concen: 3.478 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

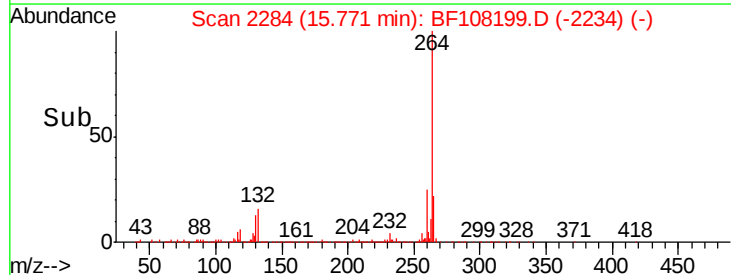
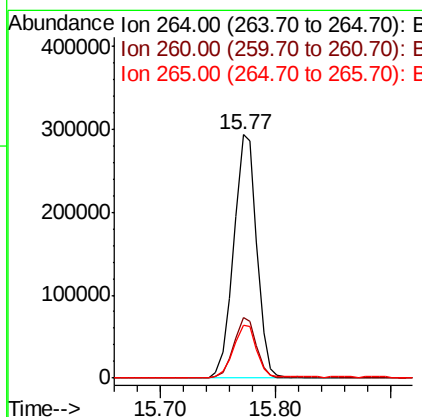
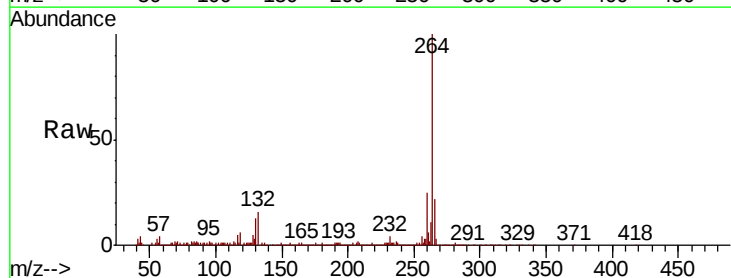
Instrument :
BNA_F
ClientSampleId :
LSB-04(0-1)

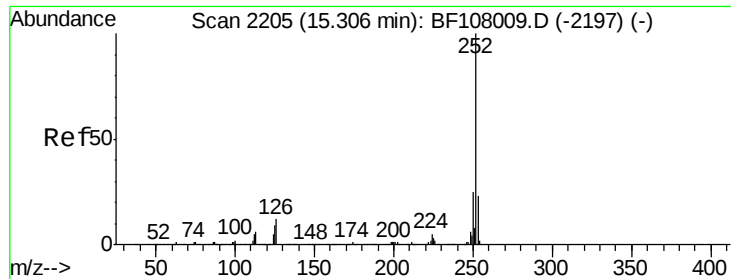
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	21.1	16.2	24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108199.D
Acq: 16 Aug 2018 17:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 4.674 ng

RT: 15.30 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

Instrument :

BNA_F

ClientSampleId :

LSB-04(0-1)

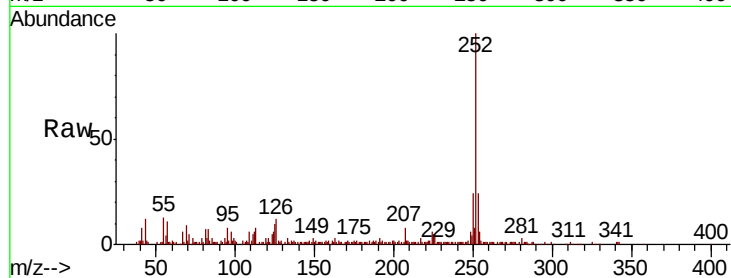
Tot Ion:252 Resp: 112927

Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.6

125 10.4 9.0 13.6

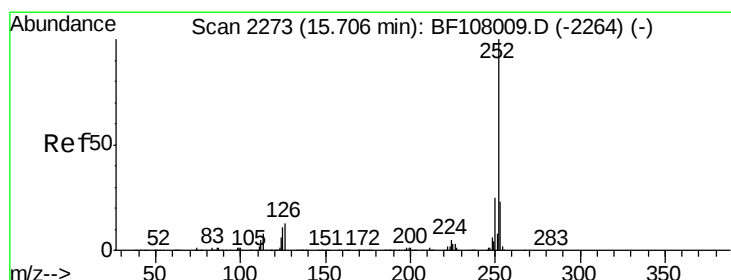
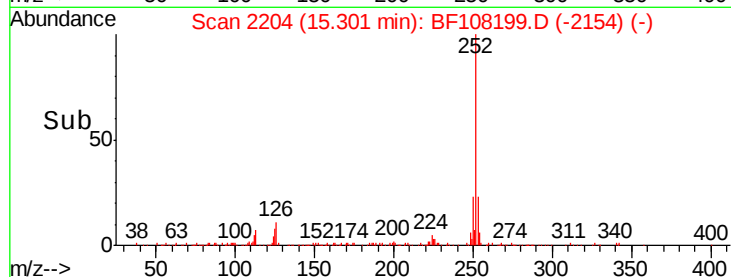
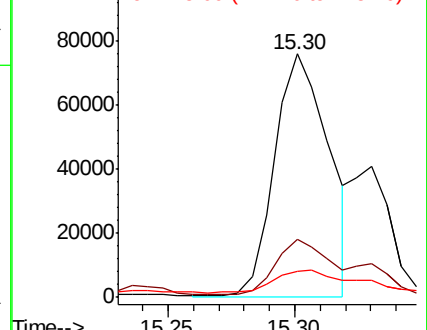


Abundance

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



#89

Benzo(a)pyrene

Concen: 3.192 ng

RT: 15.70 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF108199.D

Acq: 16 Aug 2018 17:09

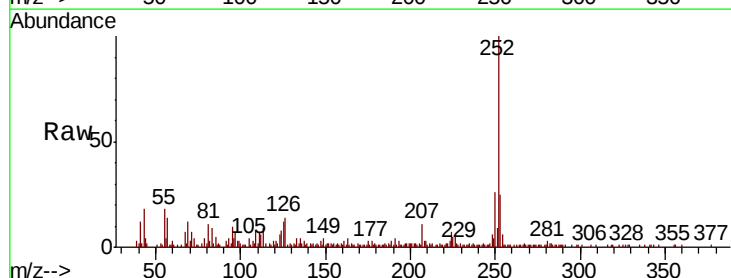
Tgt Ion:252 Resp: 69058

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

125 12.4 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

