

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
 Data File : BF112756.D
 Acq On : 28 Feb 2019 12:26
 Operator : JU/SJ
 Sample : K1627-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-(2-5)

Manual Integrations
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 3/1/2019 2:59:49 PM

Quant Time: Mar 01 05:49:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	173926	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	595518	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	231122	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	415969	20.00	ng	0.00
76) Chrysene-d12	13.87	240	451218	20.00	ng	0.00
87) Perylene-d12	15.29	264	465450	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	995807	89.06	ng	0.00
7) Phenol-d6	6.37	99	1217248	86.67	ng	0.00
23) Nitrobenzene-d5	7.30	82	728322	73.18	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	245394	100.01	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1116897	82.55	ng	0.00
79) Terphenyl-d14	12.83	244	1093727	46.99	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.63	152	156019	6.243	ng	97
50) Dimethylphthalate	9.49	163	73596	4.319	ng	98
71) Phenanthrene	11.27	178	97664	4.719	ng	98
72) Anthracene	11.32	178	56248	2.596	ng	97
75) Fluoranthene	12.45	202	157844	7.119	ng	99
78) Pyrene	12.68	202	304777	8.012	ng	99
81) Benzo(a)anthracene	13.86	228	217781m	6.964	ng	
83) Chrysene	13.90	228	199951	6.527	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	126446m	4.842	ng	
88) Benzo(b)fluoranthene	14.89	252	278862m	9.262	ng	
89) Benzo(k)fluoranthene	14.91	252	68968m	2.529	ng	
90) Benzo(a)pyrene	15.23	252	235858	8.857	ng	99
92) Benzo(a,h,i)perylene	17.05	276	118240	5.182	ng	98

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

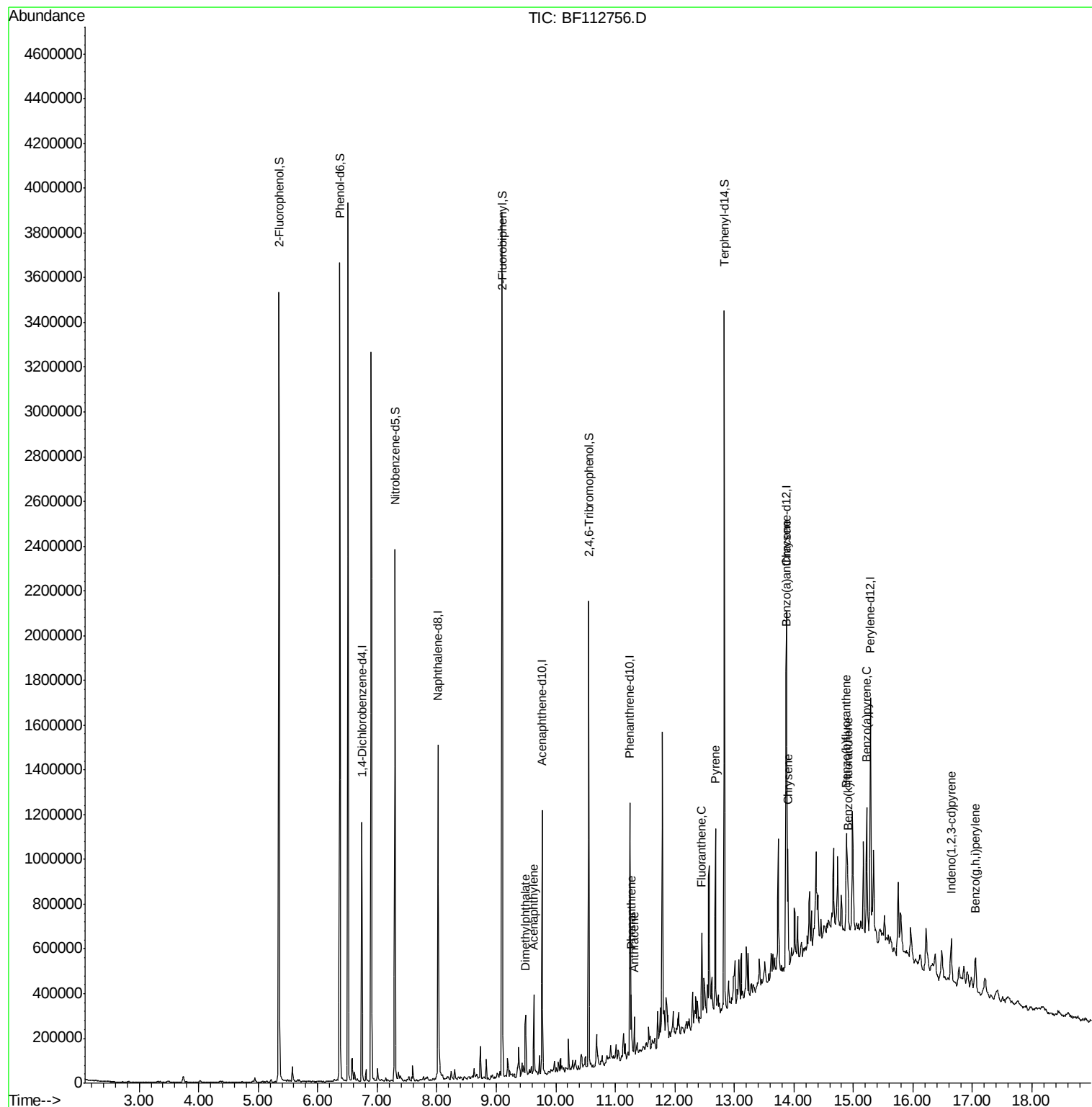
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112756.D
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Operator : JU/SJ
Sample : K1627-06
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ALS Vial : 6 Sample Multiplier: 1

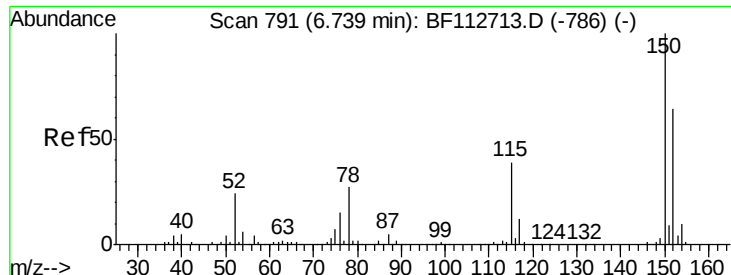
Instrument :
BNA_F
ClientSampled :
SB-03-(2-5)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
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#1

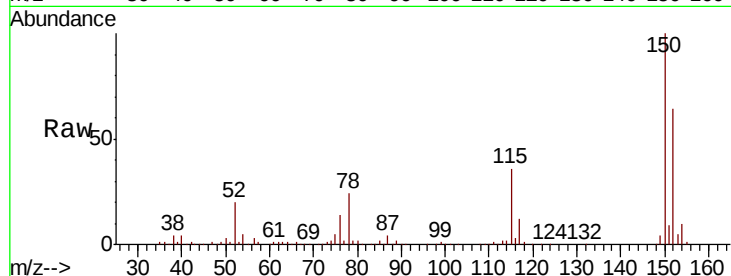
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Instrument :
BNA_F
ClientSampleId :
SB-03-(2-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.2	186.2
115	57.1	48.2	72.4

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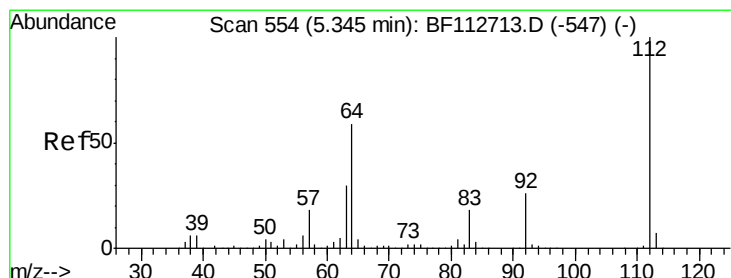
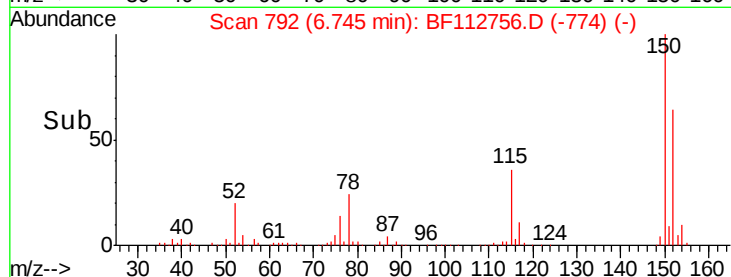
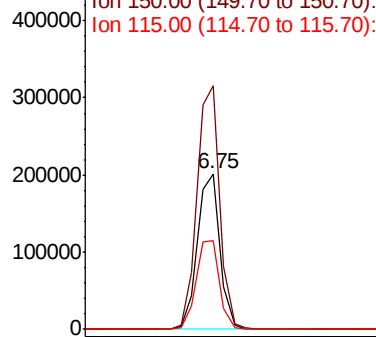


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

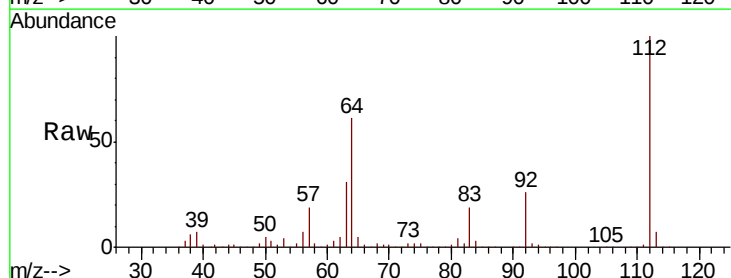
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.062 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.6	71.4
63	31.5	24.4	36.6

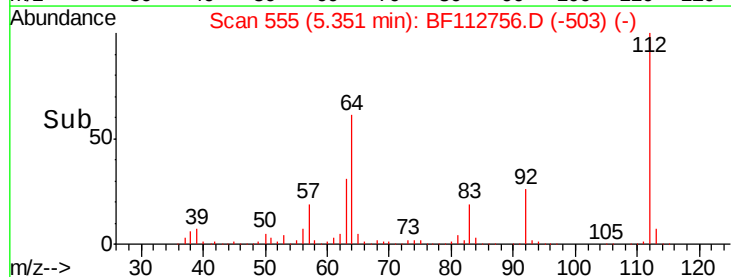
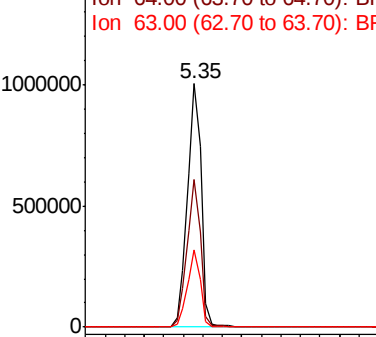


Abundance

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: 86.666 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

Instrument :

BNA_F

ClientSampleId :

SB-03-(2-5)

Tot Ion: 99 Resp: 1217248

Ion Ratio Lower Upper

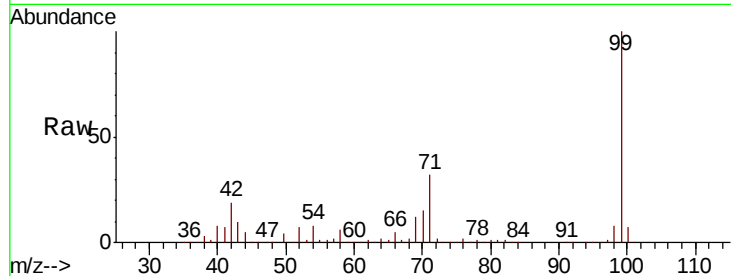
99 100

42 19.3 16.3 24.5

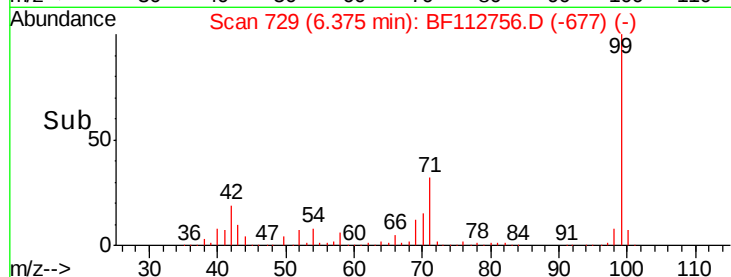
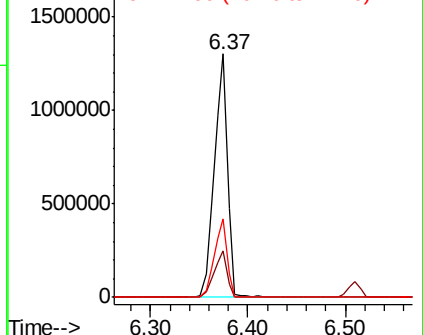
71 32.4 26.2 39.4

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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: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

Tgt Ion: 136 Resp: 595518

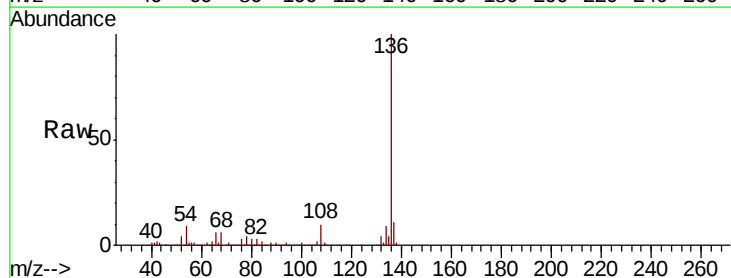
Ion Ratio Lower Upper

136 100

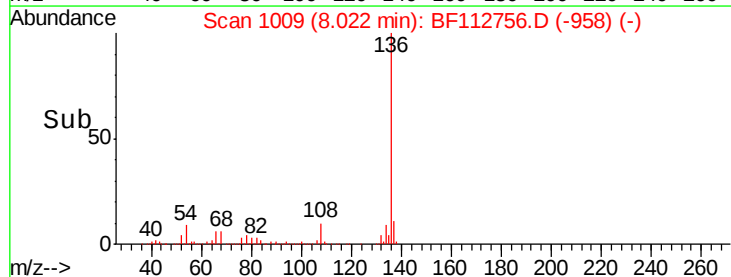
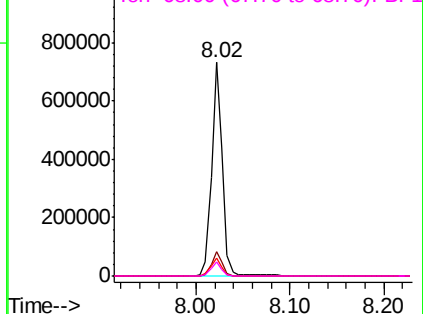
137 11.1 8.9 13.3

54 8.5 7.3 10.9

68 6.4 5.4 8.2



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





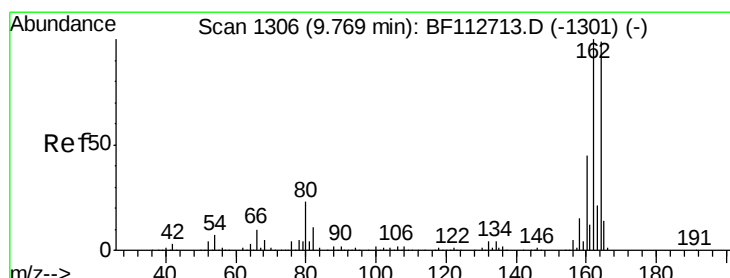
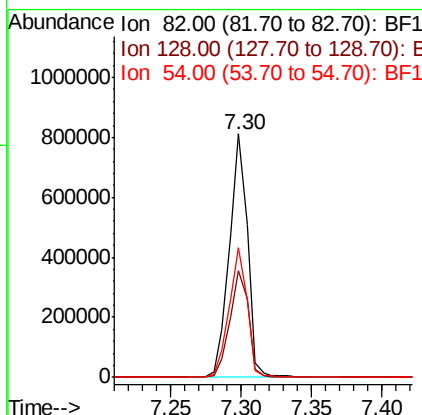
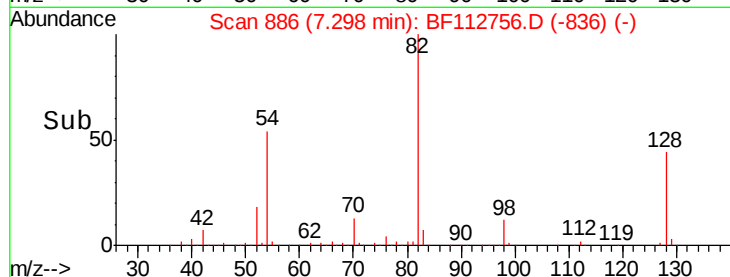
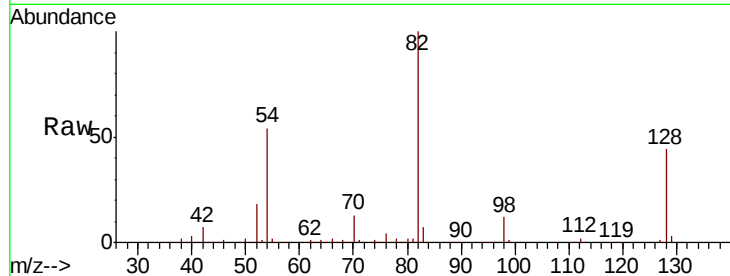
#23
Nitrobenzene-d5
Concen: 73.182 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Instrument :
BNA_F
ClientSampled :
SB-03-(2-5)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	728322		
128	44.0	36.3	54.5	
54	53.5	43.7	65.5	

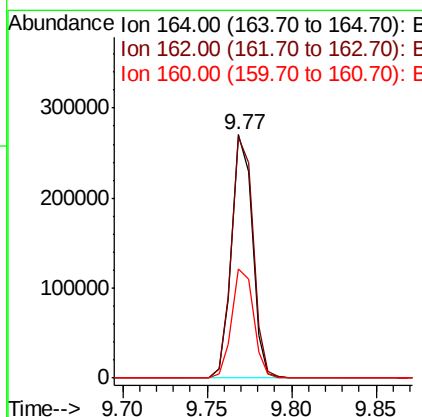
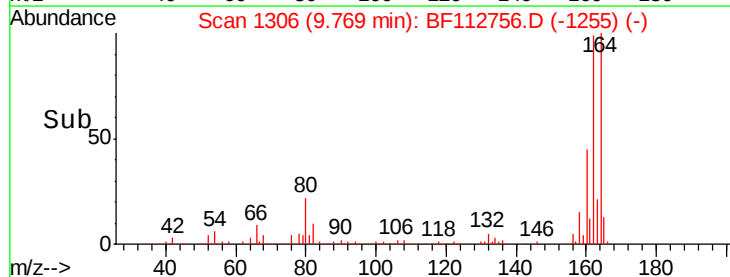
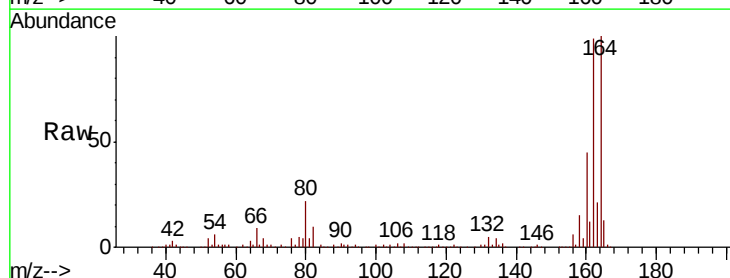
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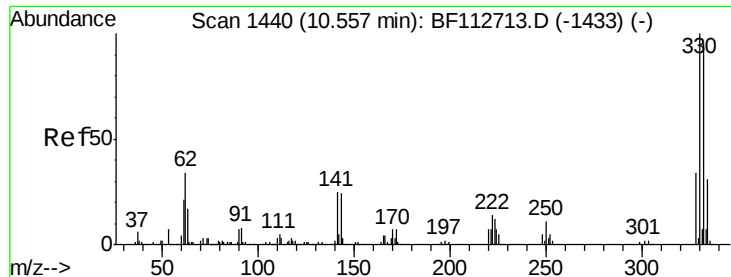
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	231122		
162	99.0	80.6	120.8	
160	44.6	36.0	54.0	





#42

2,4,6-Tribromophenol

Concen: 100.012 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

Instrument :

BNA_F

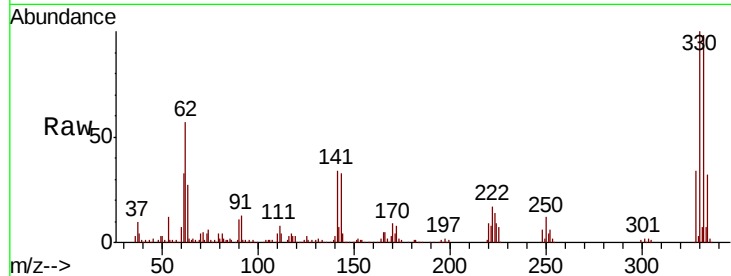
ClientSampled :

SB-03-(2-5)

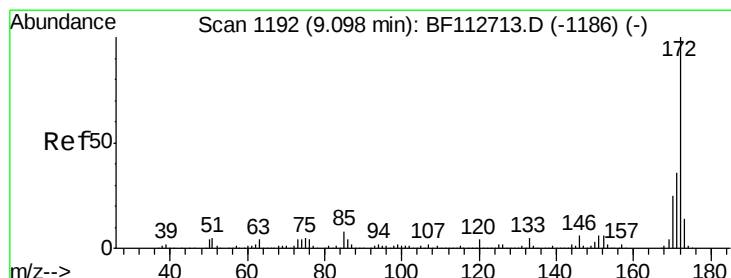
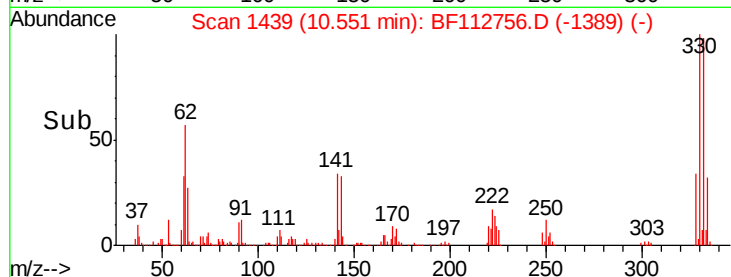
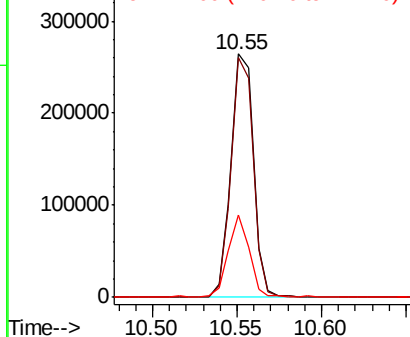
Tot Ion:	330	Resp:	245394
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.2	114.4
141	30.8	27.0	40.6

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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



#45

2-Fluorobiphenyl

Concen: 82.552 ng

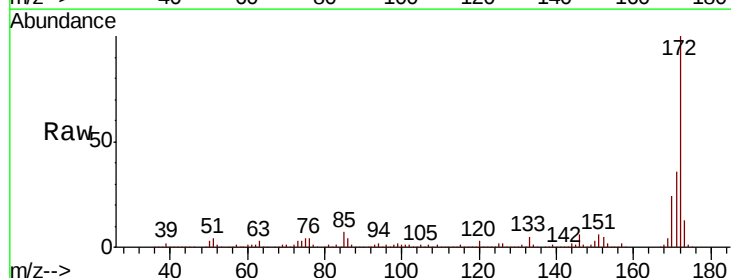
RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

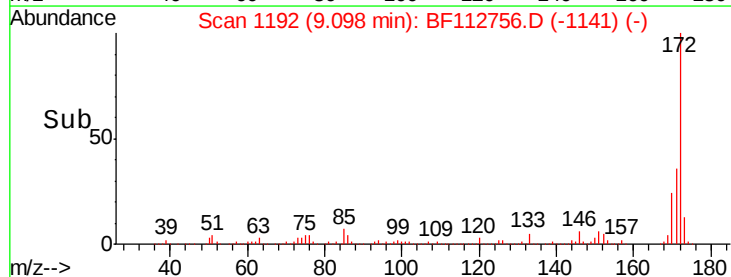
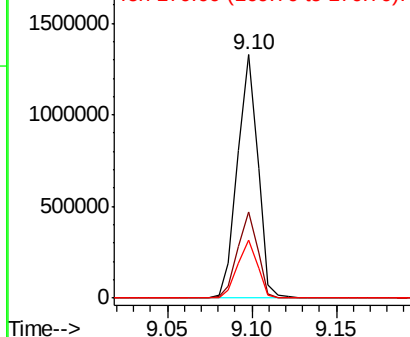
Lab File: BF112756.D

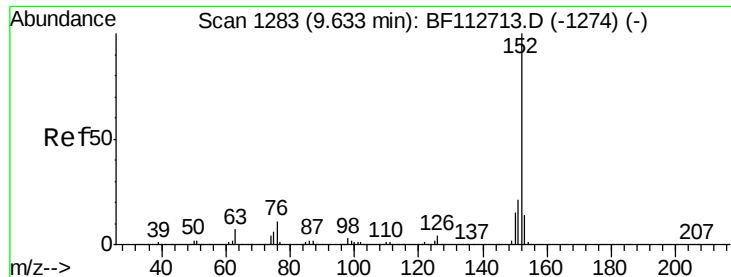
Acq: 28 Feb 2019 12:26

Tgt Ion:	172	Resp:	1116897
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.0	43.4
170	24.0	20.0	30.0



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





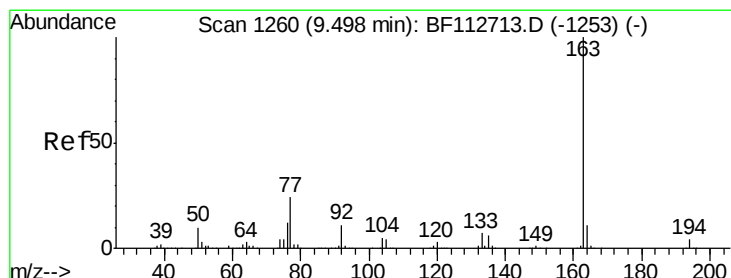
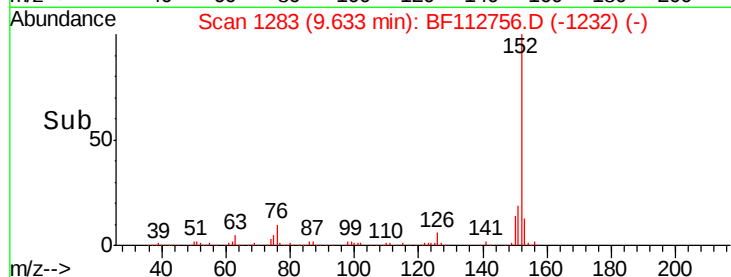
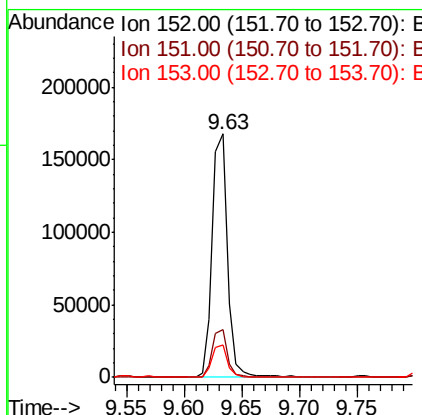
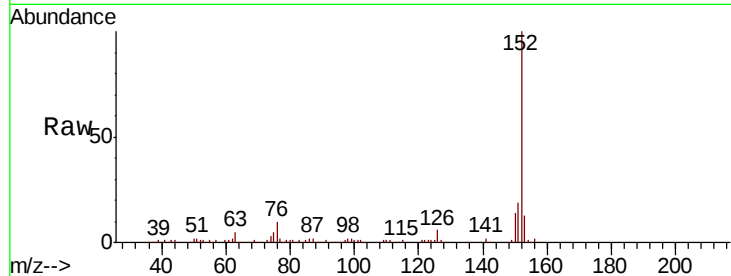
#49
Acenaphthylene
Concen: 6.243 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Instrument :
BNA_F
ClientSampleId :
SB-03-(2-5)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	156019		
151	19.4		16.9	25.3
153	13.1		11.0	16.6

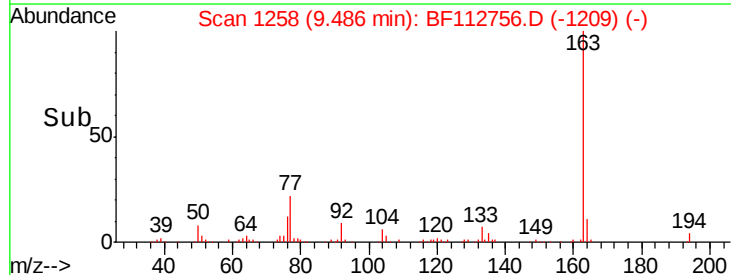
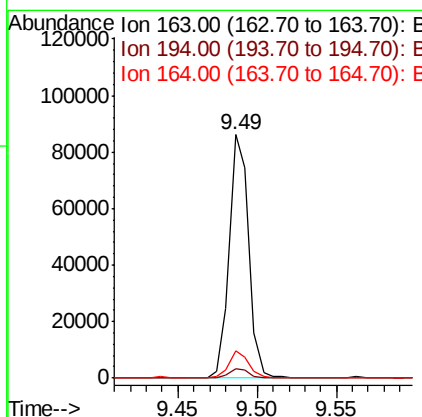
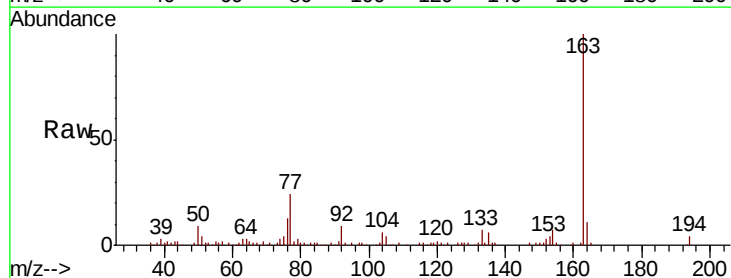
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#50
Dimethylphthalate
Concen: 4.319 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	73596		
194	4.1		3.0	4.4
164	11.3		8.4	12.6





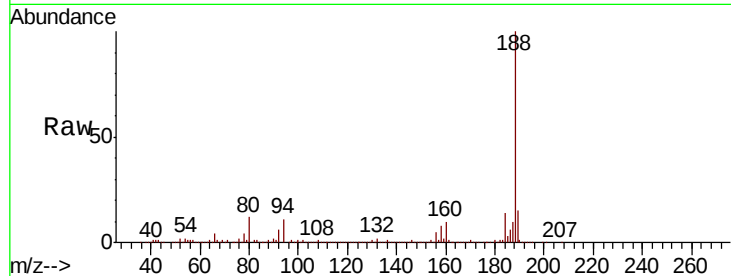
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Instrument :
BNA_F
ClientSampleId :
SB-03-(2-5)

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.0	13.4
80	11.6	9.2	13.8

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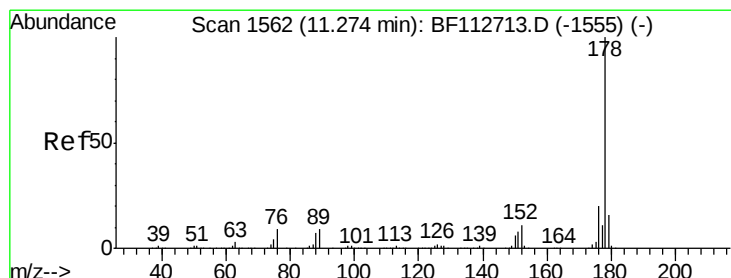
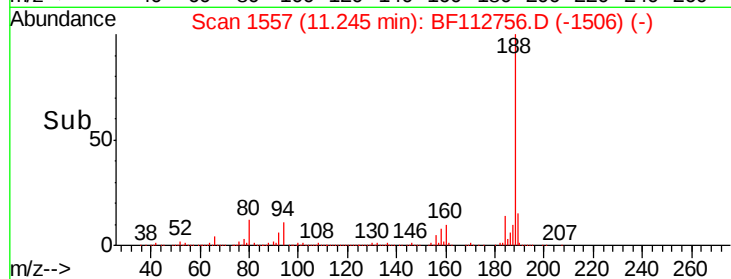
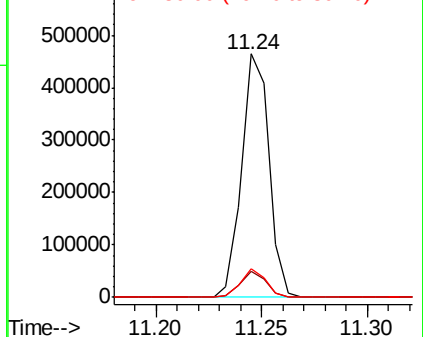


Abundance

Ion 188.00 (187.70 to 188.70): E

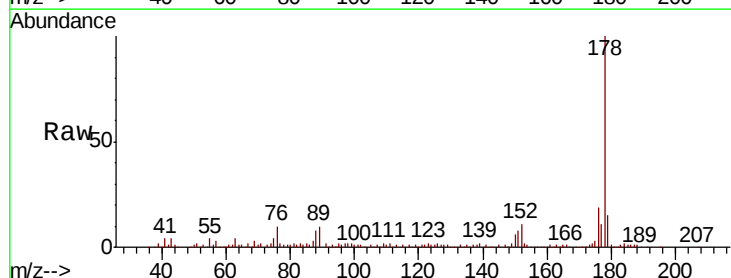
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 4.719 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.3	24.5
179	15.4	12.7	19.1

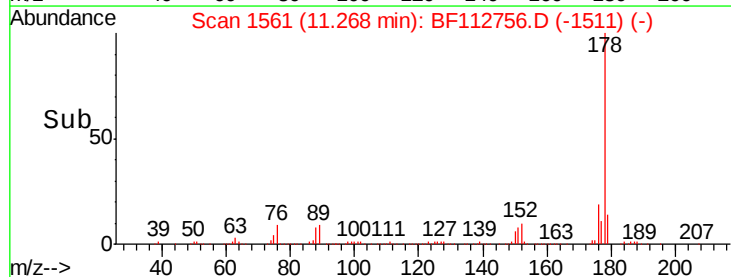
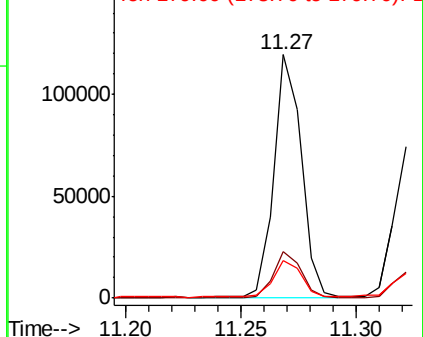


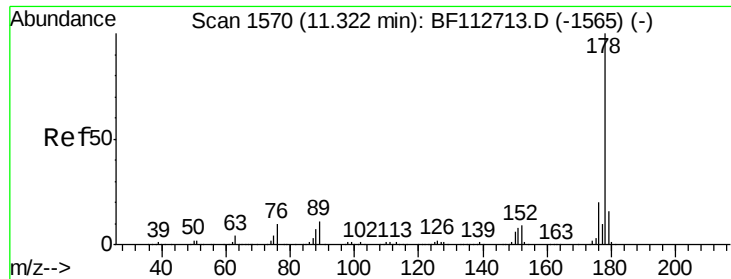
Abundance

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





#72

Anthracene

Concen: 2.596 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

Instrument :

BNA_F

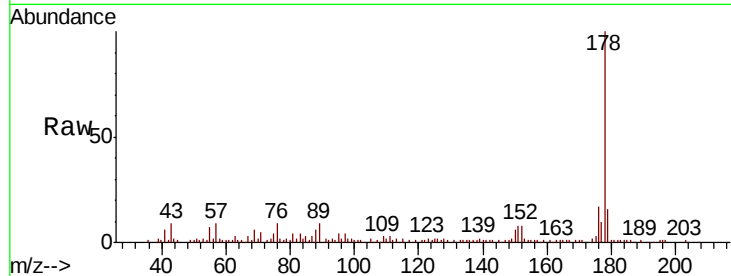
ClientSampleId :

SB-03-(2-5)

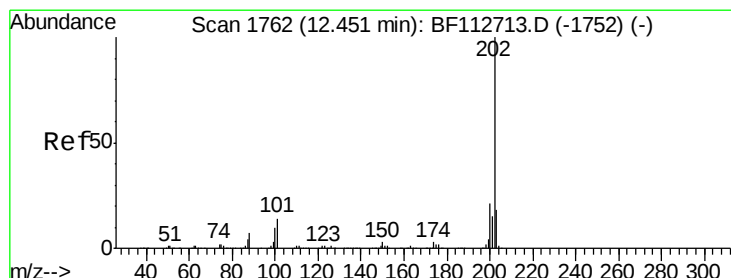
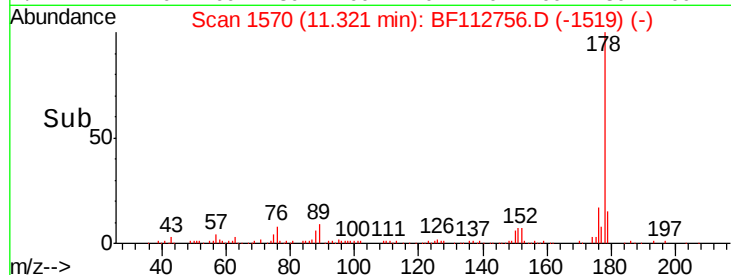
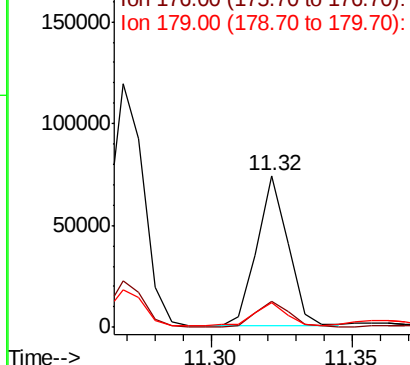
Tot Ion:	178	Resp:	56248
Ion Ratio	Lower	Upper	
178	100		
176	17.4	15.8	23.6
179	16.0	13.0	19.6

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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



#75

Fluoranthene

Concen: 7.119 ng

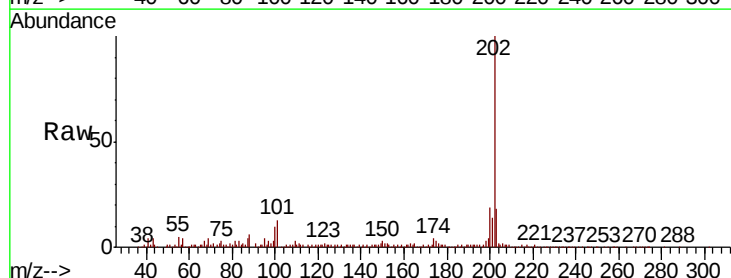
RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

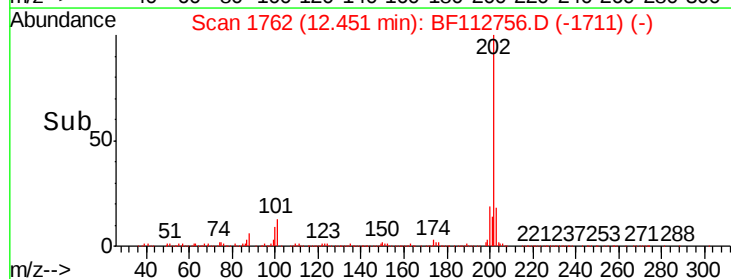
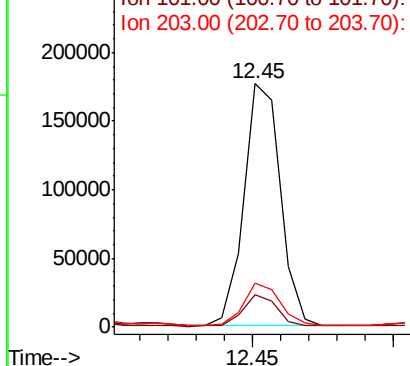
Lab File: BF112756.D

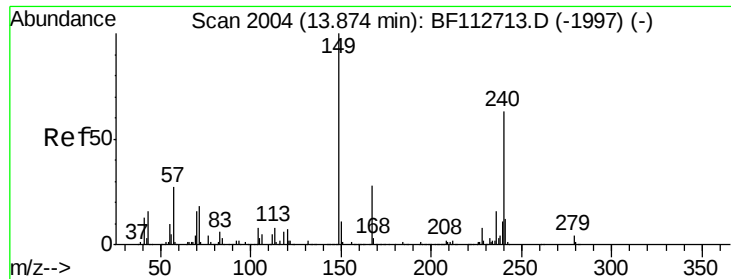
Acq: 28 Feb 2019 12:26

Tgt Ion:	202	Resp:	157844
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.8
203	18.2	0.0	38.4



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





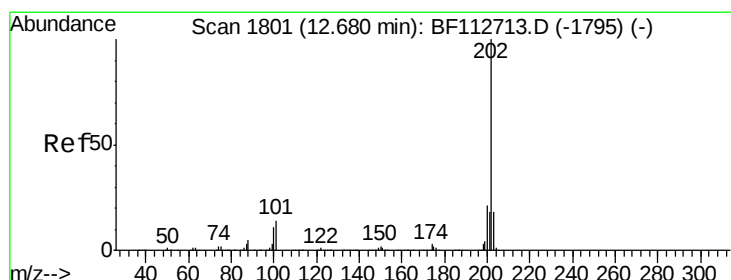
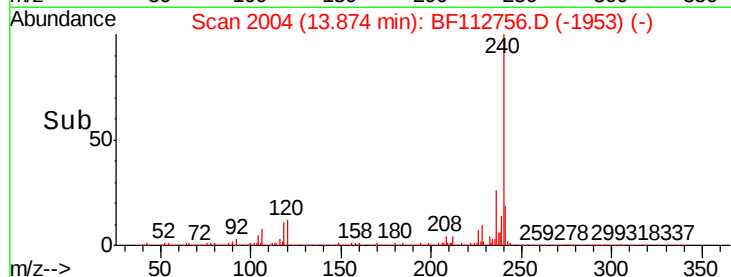
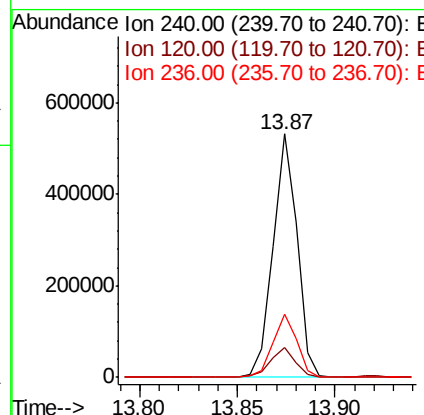
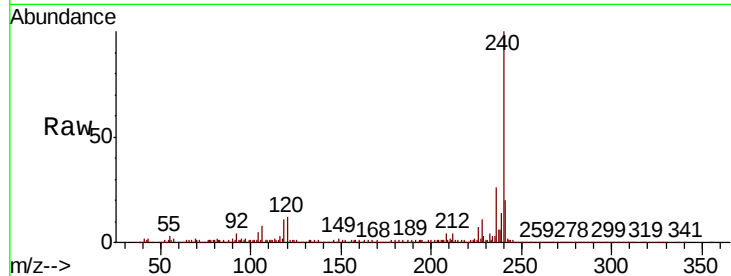
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Instrument :
BNA_F
ClientSampleId :
SB-03-(2-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.9	13.3
236	26.1	20.7	31.1

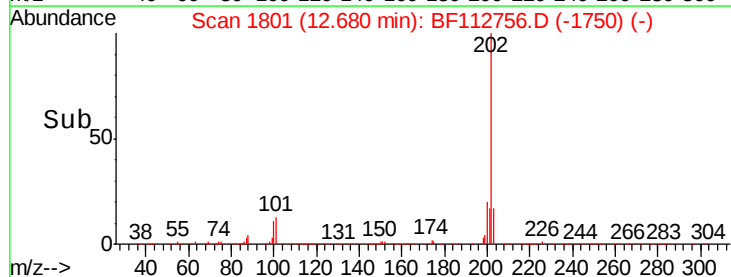
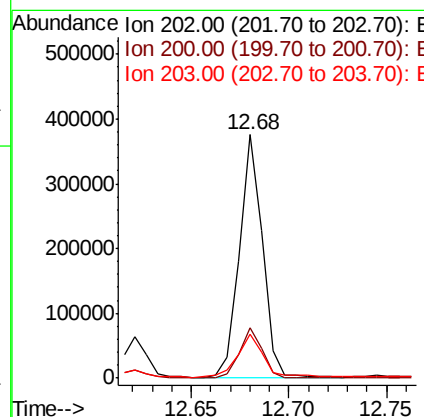
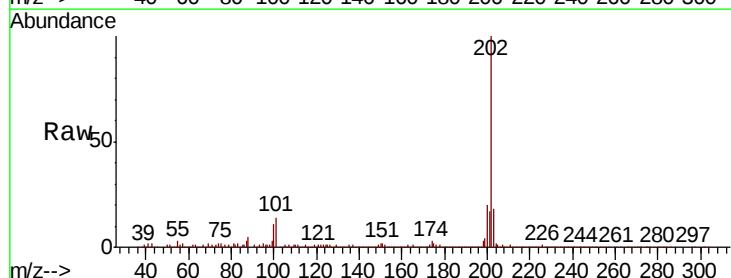
Manual Integrations
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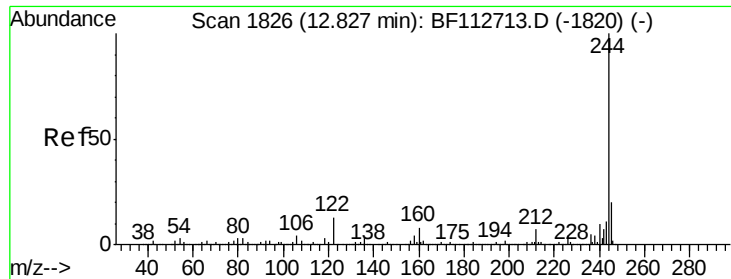
Sohil
3/1/2019 2:59:49 PM



#78
Pyrene
Concen: 8.012 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.4
203	18.0	14.4	21.6





#79

Terphenyl-d14

Concen: 46.988 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

Instrument :

BNA_F

ClientSampleId :

SB-03-(2-5)

Tot Ion:244 Resp: 1093727

Ion Ratio Lower Upper

244 100

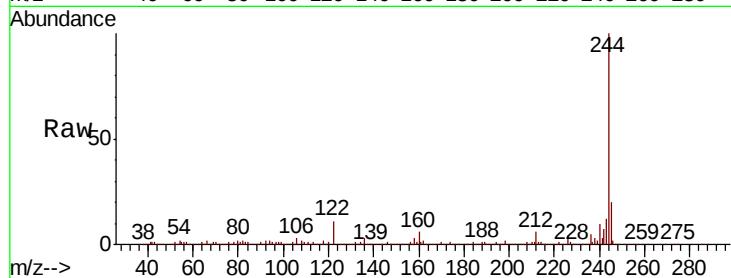
212 6.5 5.6 8.4

122 10.6 10.5 15.7

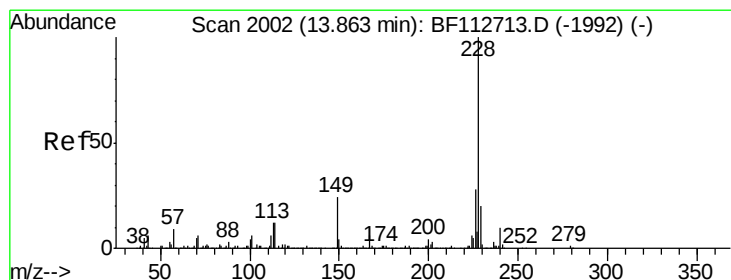
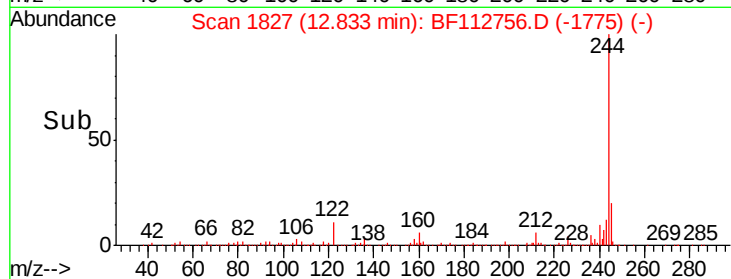
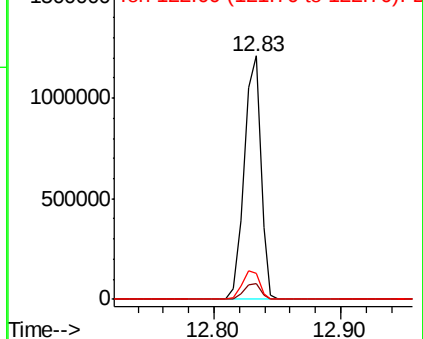
Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.964 ng m

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

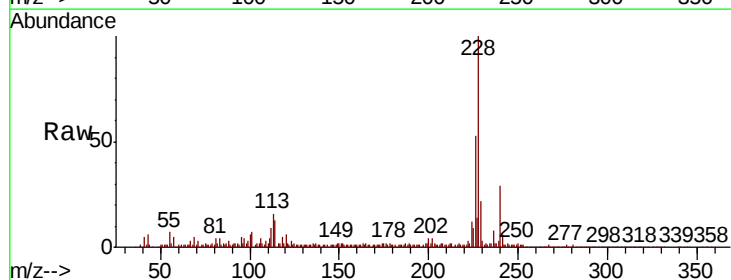
Tgt Ion:228 Resp: 217781

Ion Ratio Lower Upper

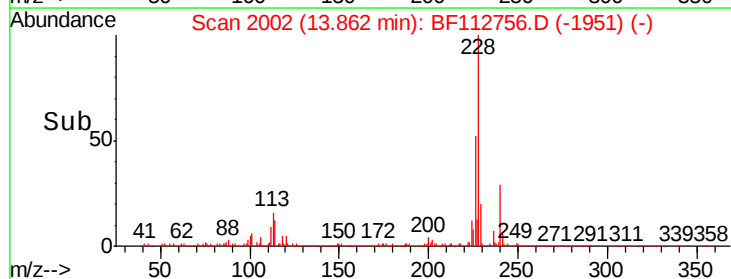
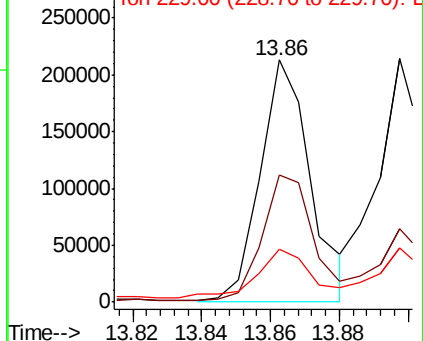
228 100

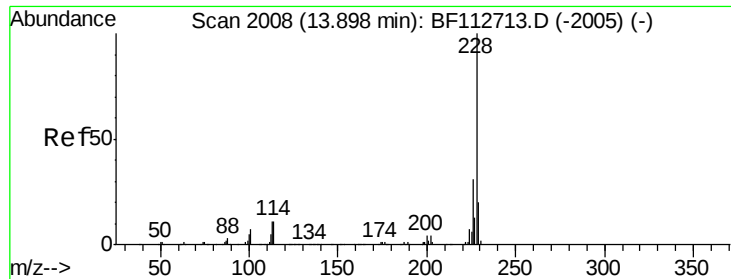
226 52.7 22.2 33.4#

229 21.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





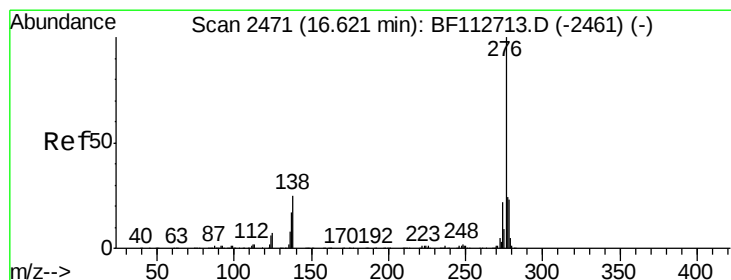
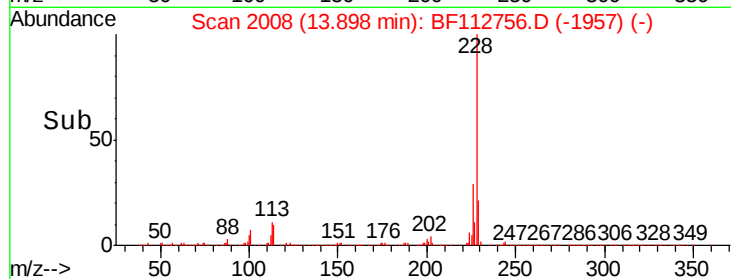
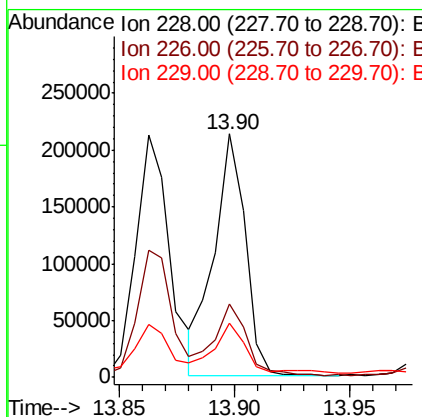
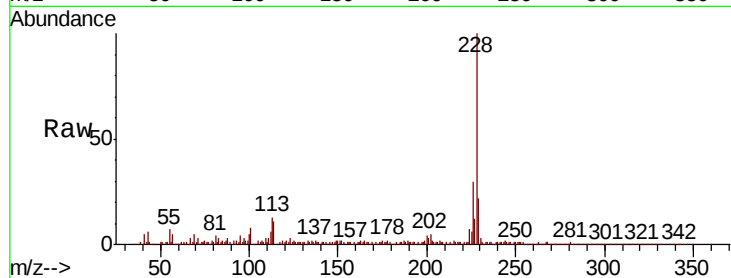
#83
Chrysene
Concen: 6.527 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Instrument :
BNA_F
ClientSampleId :
SB-03-(2-5)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	199951		
226	30.1	24.9	37.3	
229	22.4	16.3	24.5	

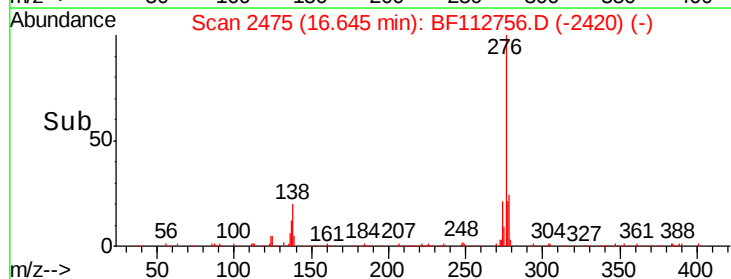
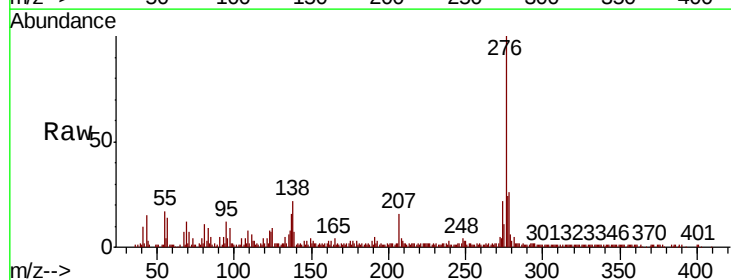
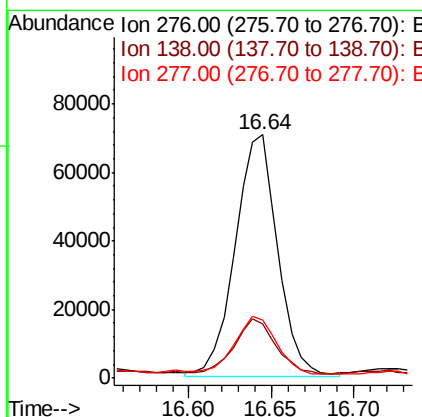
Manual Integrations
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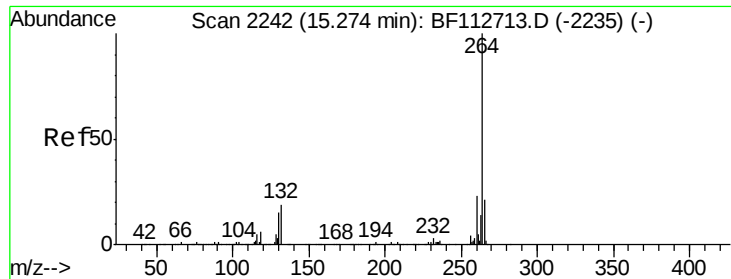
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.842 ng m
RT: 16.64 min Scan# 2475
Delta R.T. 0.02 min
Lab File: BF112756.D
Acq: 28 Feb 2019 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	126446		
138	1.3	23.2	34.8#	
277	0.8	19.9	29.9#	





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

Instrument :

BNA_F

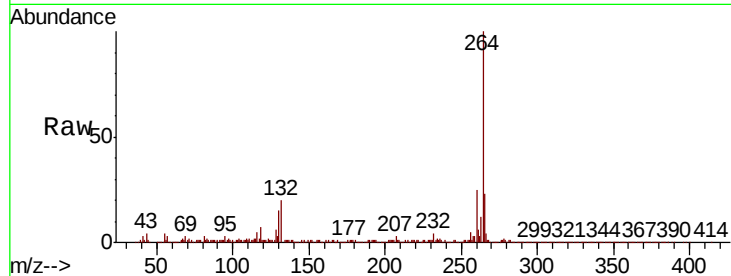
ClientSampleId :

SB-03-(2-5)

Tot Ion:	264	Resp:	465450
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.7	28.1
265	23.0	17.2	25.8

Manual Integrations
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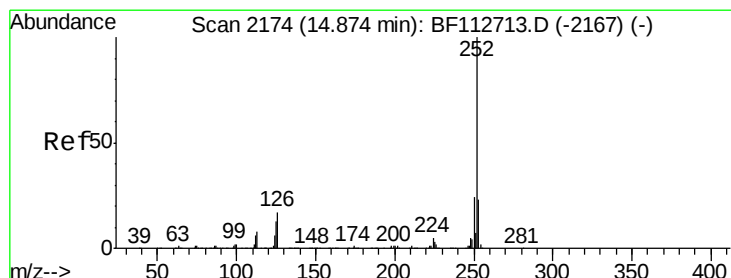
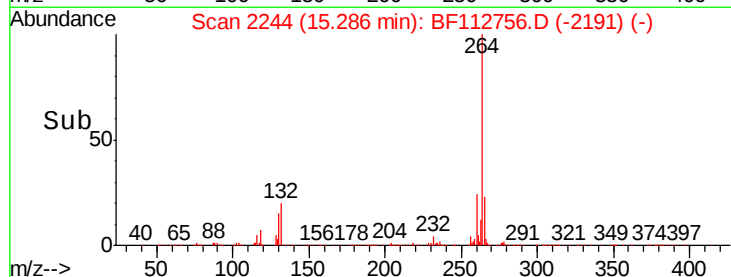
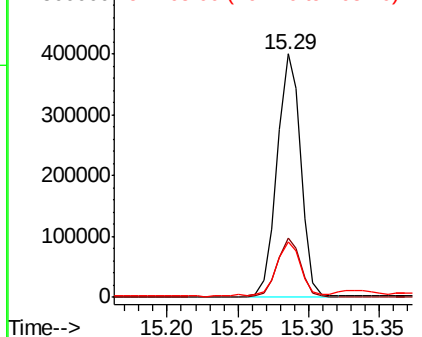


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 9.262 ng m

RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

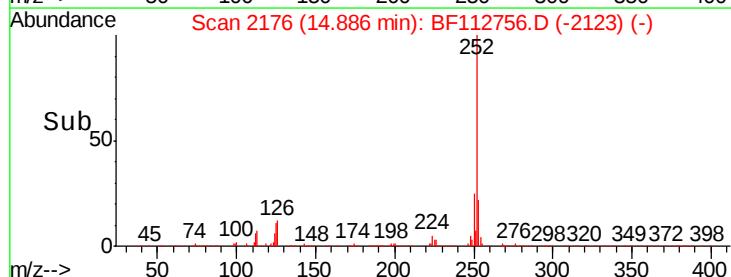
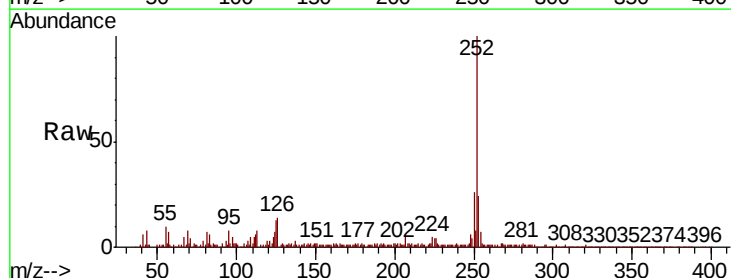
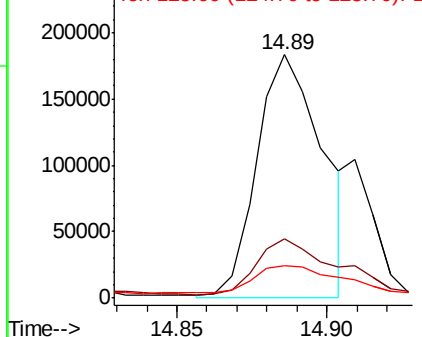
Tgt Ion:	252	Resp:	278862
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.0	27.0
125	13.5	10.2	15.2

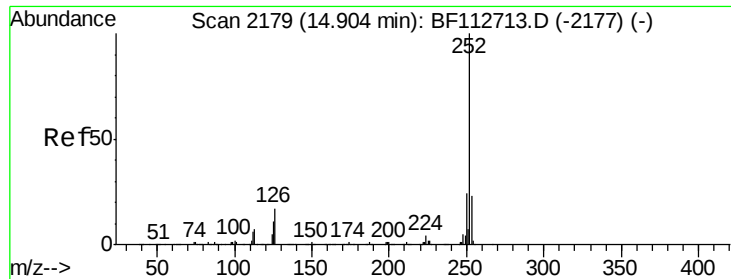
Abundance

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(k)fluoranthene

Concen: 2.529 ng/mL

RT: 14.91 min Scan# 2180

Delta R.T. 0.01 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

Instrument :

BNA_F

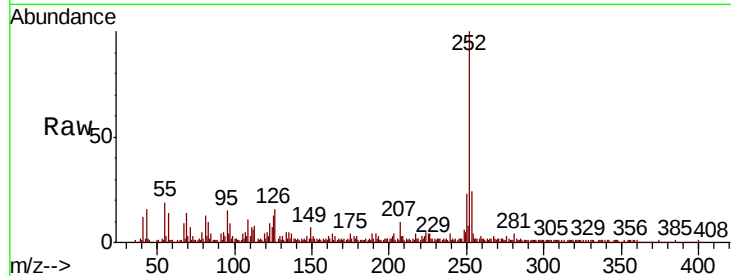
ClientSampled :

SB-03-(2-5)

Tot Ion:	252	Resp:	68968
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.2
125	13.1	9.8	14.6

Manual Integrations
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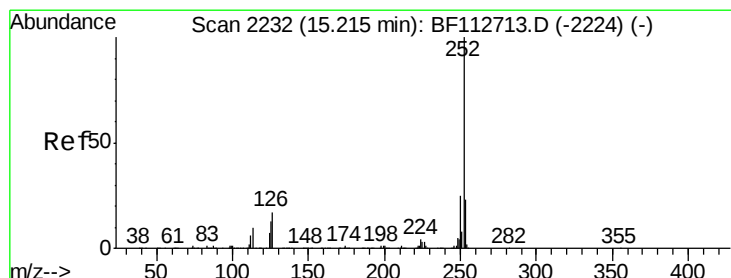
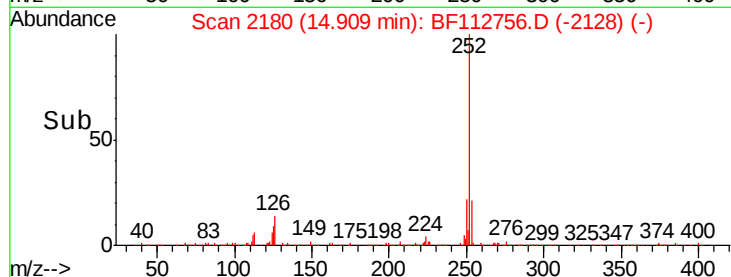
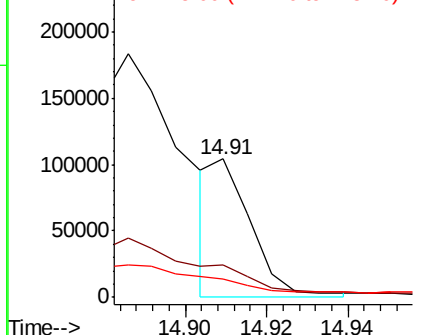


Abundance

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



#90

Benzo(a)pyrene

Concen: 8.857 ng/mL

RT: 15.23 min Scan# 2234

Delta R.T. 0.01 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

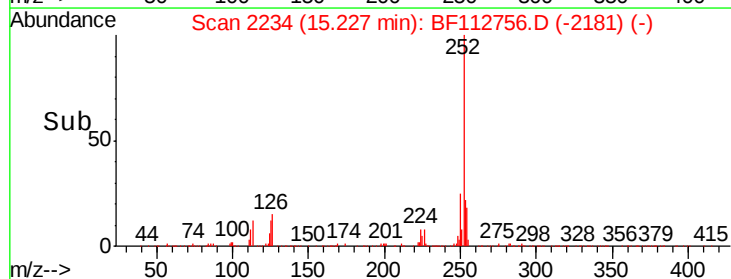
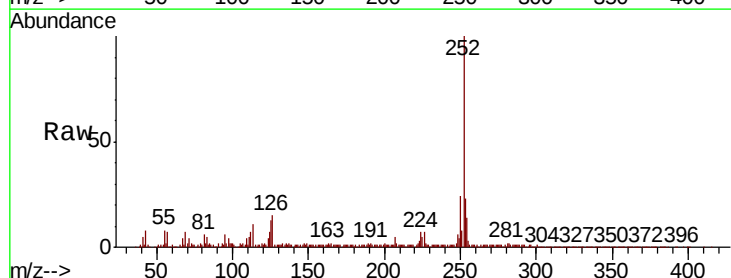
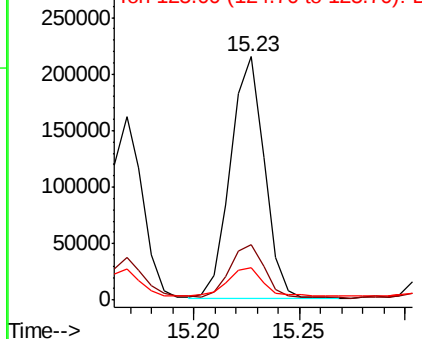
Tgt Ion:	252	Resp:	235858
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.0	27.0
125	13.1	10.7	16.1

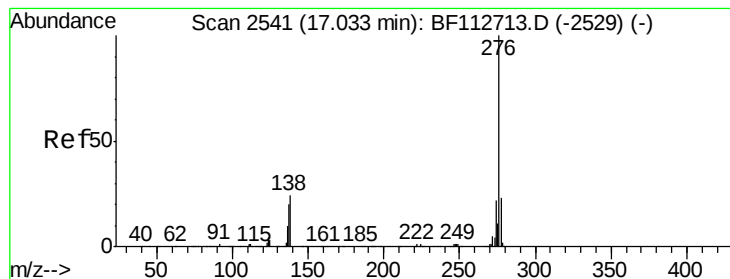
Abundance

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





#92

Benzo(a,h,i)perylene

Concen: 5.182 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.02 min

Lab File: BF112756.D

Acq: 28 Feb 2019 12:26

Instrument :

BNA_F

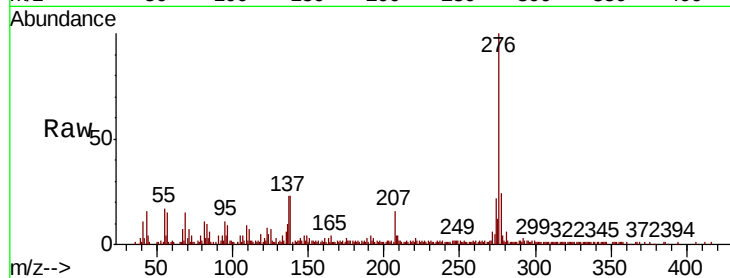
ClientSampled :

SB-03-(2-5)

Tot Ion:	276	Resp:	118240
Ion Ratio		Lower	Upper
276	100		
277	24.5	18.6	27.8
138	23.1	19.4	29.0

Manual Integrations
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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

