

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108212.D
 Acq On : 16 Aug 2018 23:08
 Operator : JU/SJ
 Sample : J4499-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSB-01(0-1)

Manual Integrations
 APPROVED

Sohil
 8/17/2018 3:31:03 PM

Quant Time: Aug 17 04:58:01 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	7.01	152	155746	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	565227	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	258909	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	462115	20.00	ng	0.00
75) Chrysene-d12	14.21	240	424906	20.00	ng	0.00
86) Perylene-d12	15.77	264	319467	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	138410	16.09	ng	0.00
7) Phenol-d6	6.62	99	180499	15.79	ng	0.00
23) Nitrobenzene-d5	7.57	82	112473	11.10	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	40017	15.50	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	214726	13.31	ng	0.00
78) Terphenyl-d14	13.14	244	191349	11.45	ng	-0.01
Target Compounds						
70) Phenanthrene	11.58	178	166673	7.647	ng	98
74) Fluoranthene	12.78	202	423067	17.785	ng	95
77) Pyrene	13.01	202	343513	12.770	ng	99
80) Benzo(a)anthracene	14.20	228	167428	6.866	ng	100
82) Chrysene	14.24	228	180308	8.065	ng	98
83) Bis(2-ethylhexyl)phthalate	14.17	149	507910	35.112	ng	99
85) Indeno(1,2,3-cd)pyrene	17.38	276	65859	3.400	ng	# 88
87) Benzo(b)fluoranthene	15.30	252	199150m	10.432	ng	
88) Benzo(k)fluoranthene	15.33	252	74266m	4.232	ng	
89) Benzo(a)pyrene	15.70	252	116389	6.809	ng	97
91) Benzo(g,h,i)perylene	17.88	276	63204	4.538	ng	# 85

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

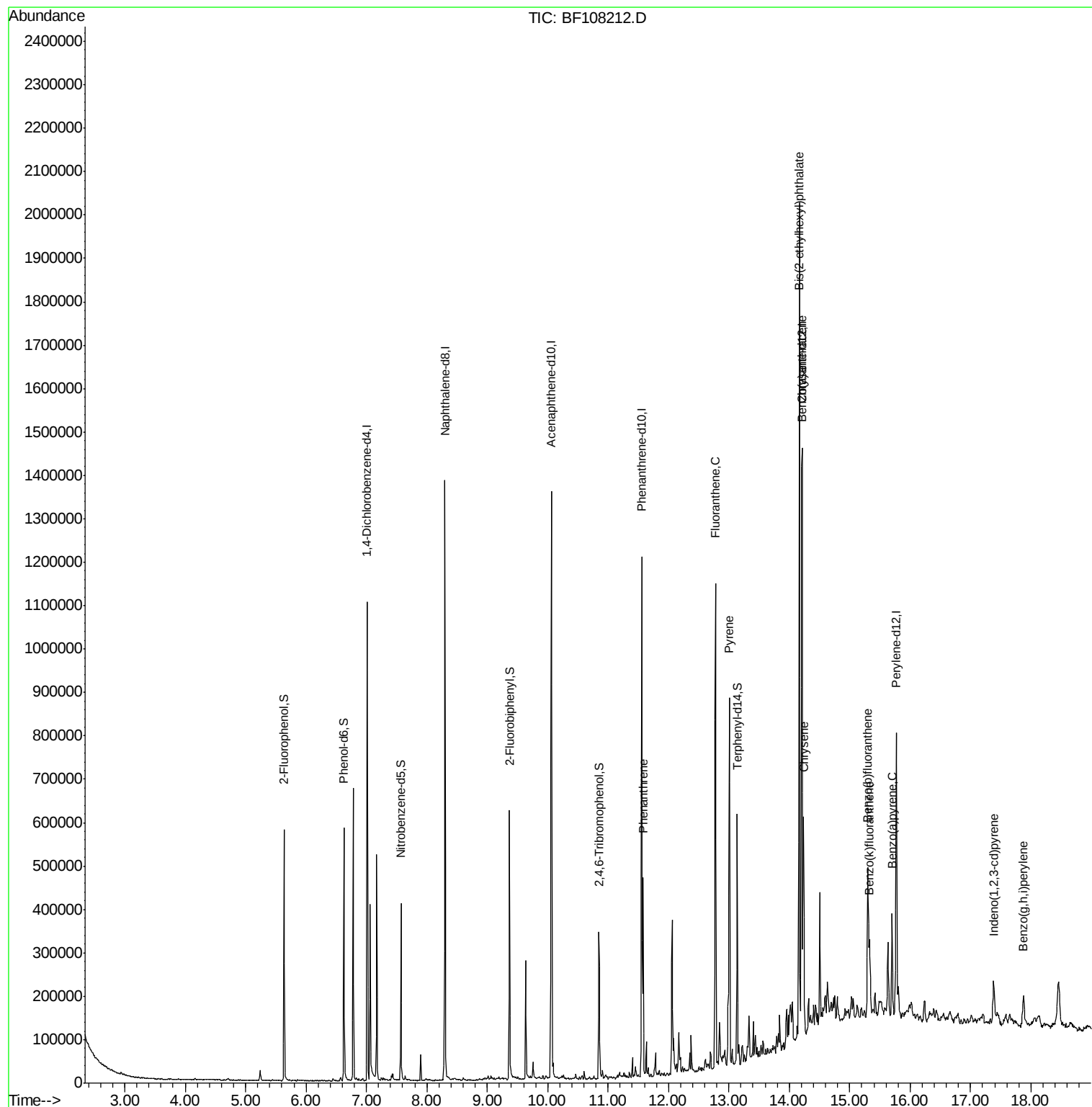
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108212.D
Acq On : 16 Aug 2018 23:08
Operator : JU/SJ
Sample : J4499-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

Manual Integrations
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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





#1

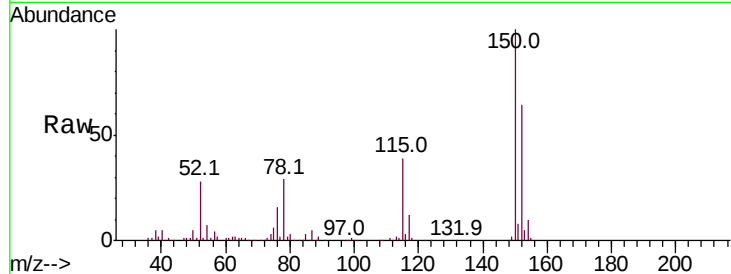
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	60.8	50.1	75.1

Manual Integrations
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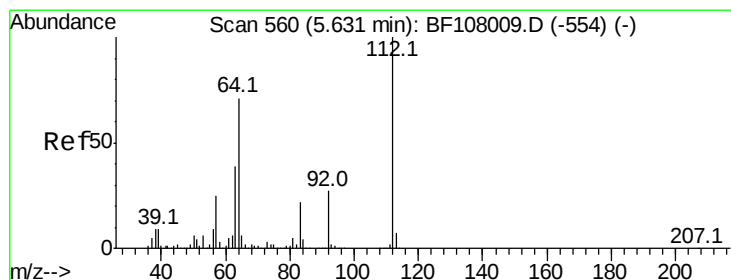
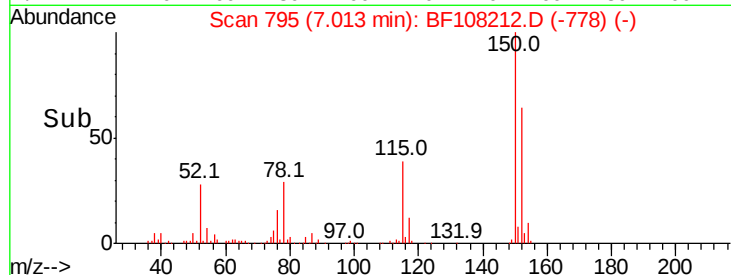
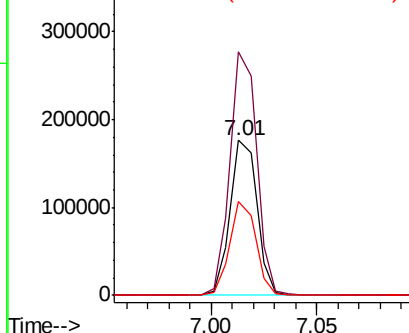


Abundance

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: 16.089 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

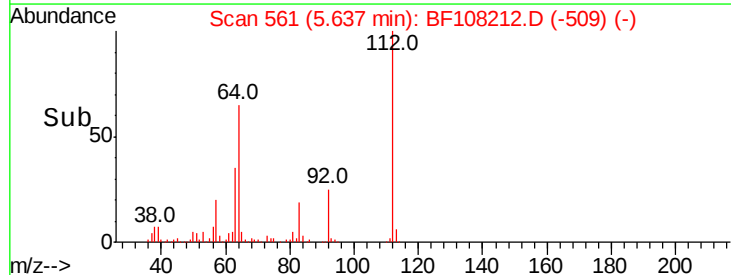
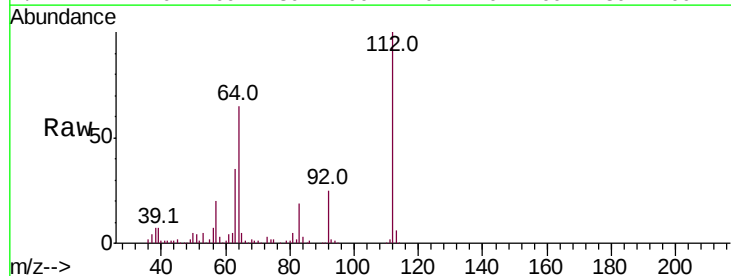
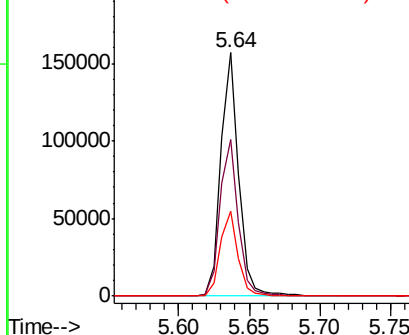
Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	34.9	23.7	35.5

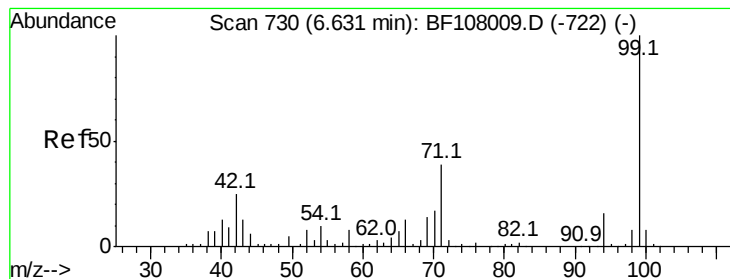
Abundance

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: 15.789 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

ClientSampled :

LSB-01(0-1)

Tot Ion: 99 Resp: 180499

Ion Ratio Lower Upper

99 100

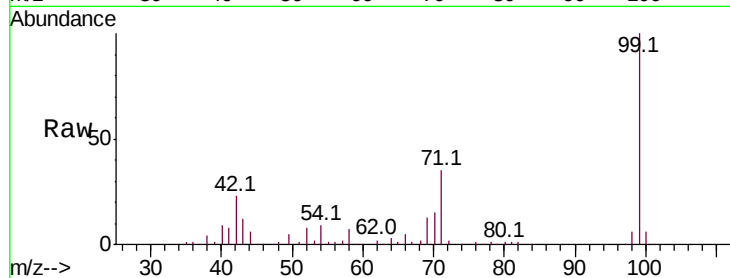
42 22.9 14.5 21.7#

71 35.4 25.4 38.0

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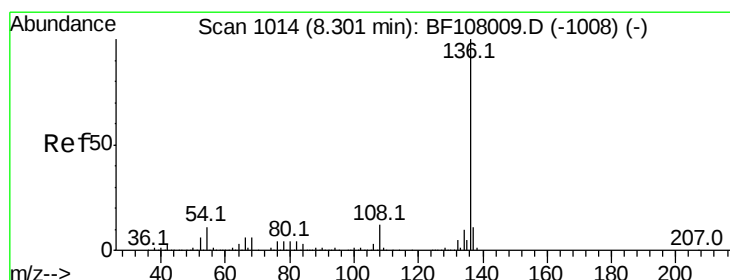
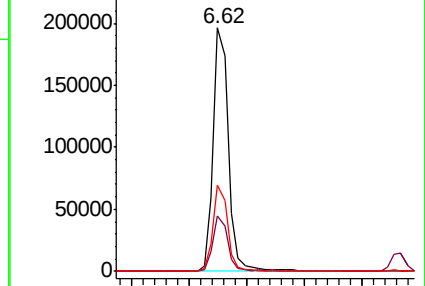
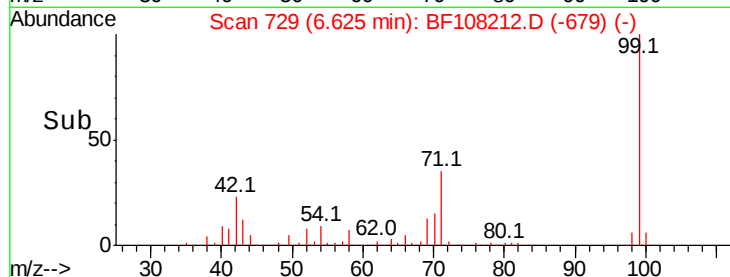
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Tgt Ion: 136 Resp: 565227

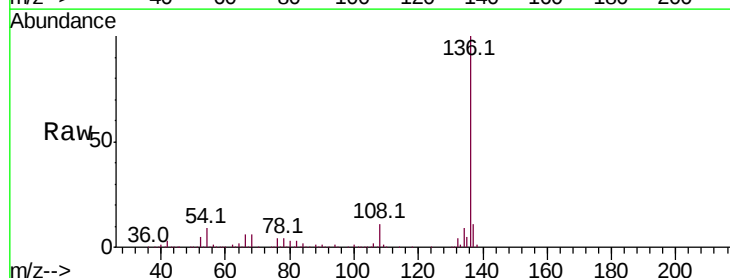
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.2 6.6 9.8

68 5.8 5.0 7.4

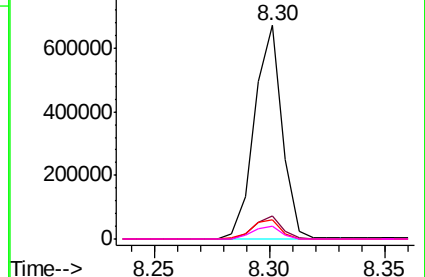
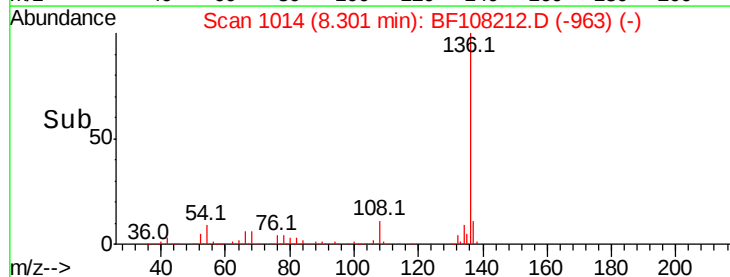


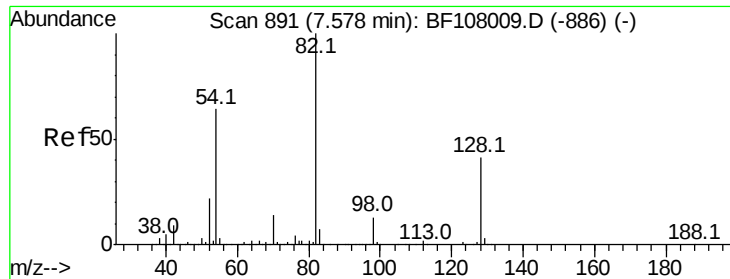
Abundance Ion 136.00 (135.70 to 136.70): E

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





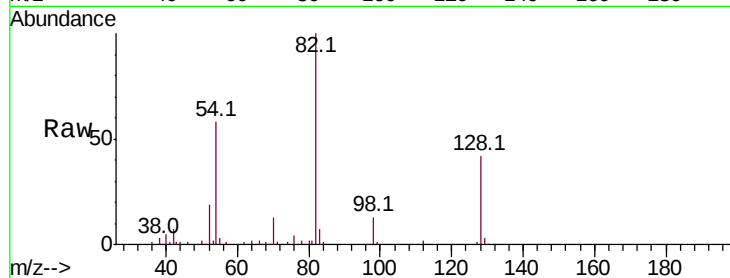
#23
 Nitrobenzene-d5
 Concen: 11.104 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Instrument :
 BNA_F
 ClientSampled :
 LSB-01(0-1)

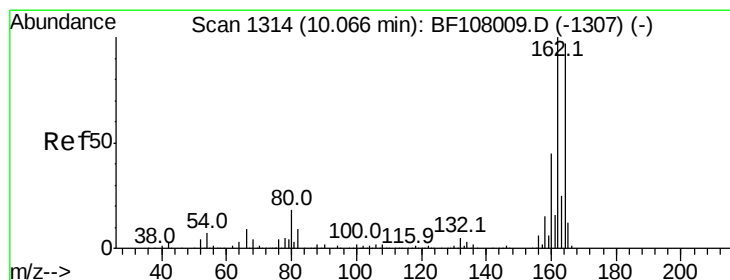
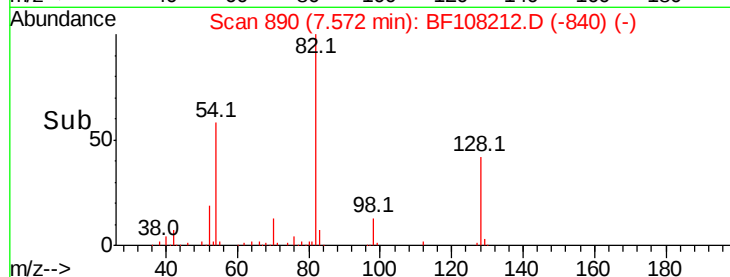
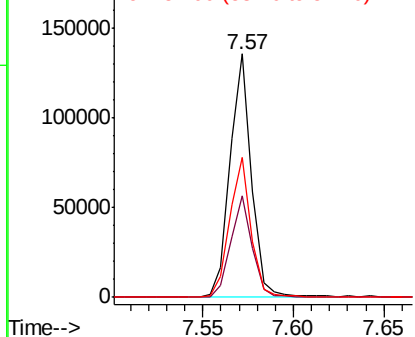
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	36.1	54.1
54	57.6	41.4	62.2

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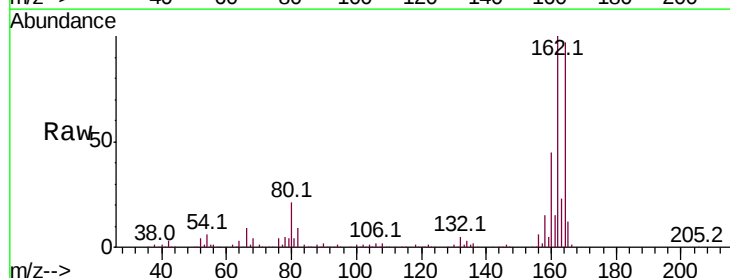


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

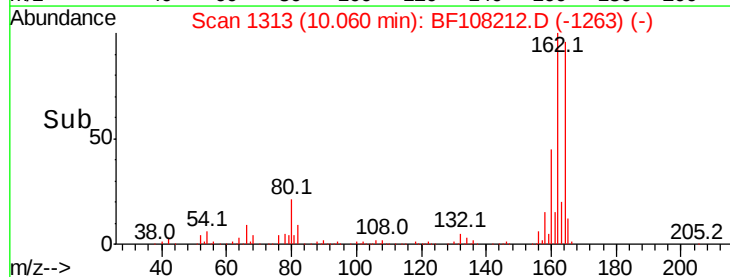
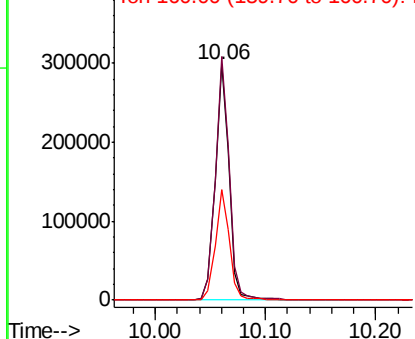


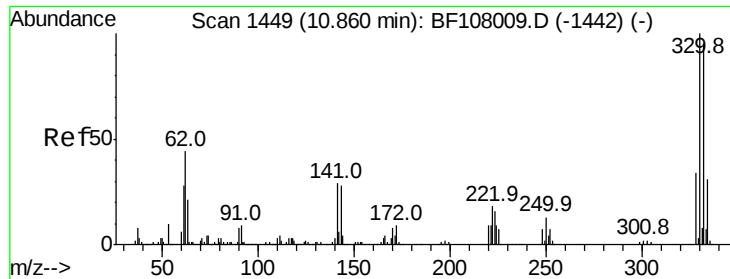
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	46.9	38.3	57.5



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





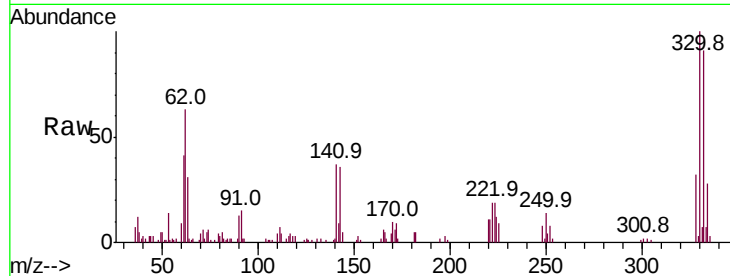
#41
 2,4,6-Tribromophenol
 Concen: 15.495 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Instrument :
 BNA_F
 ClientSampleId :
 LSB-01(0-1)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	33.4	29.9	44.9

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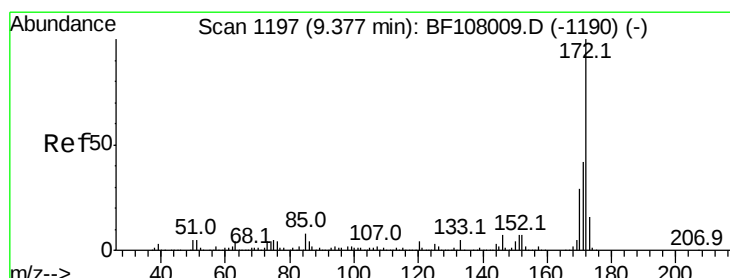
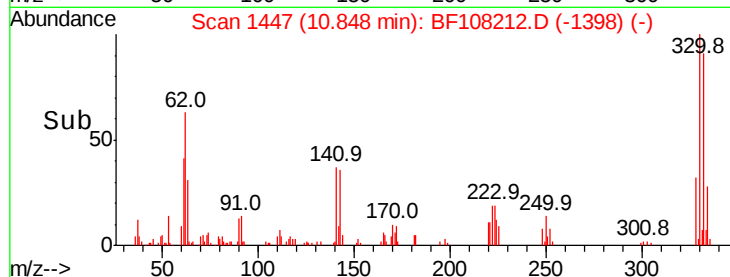
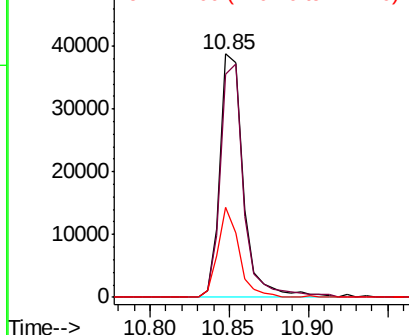


Abundance

Ion 329.80 (329.50 to 330.50): E

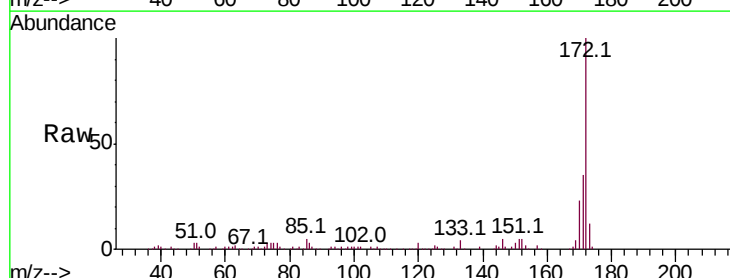
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 13.315 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.3	19.6	29.4

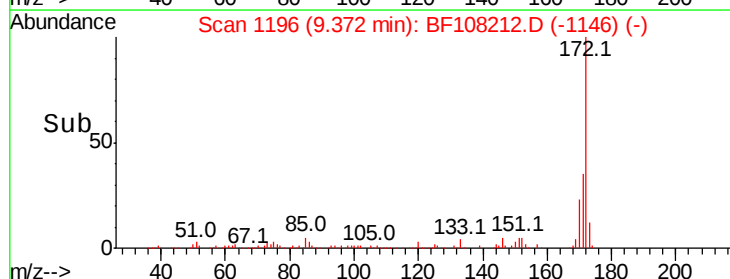
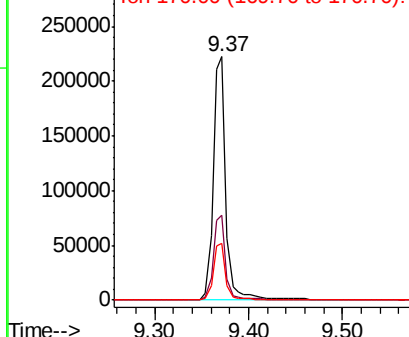


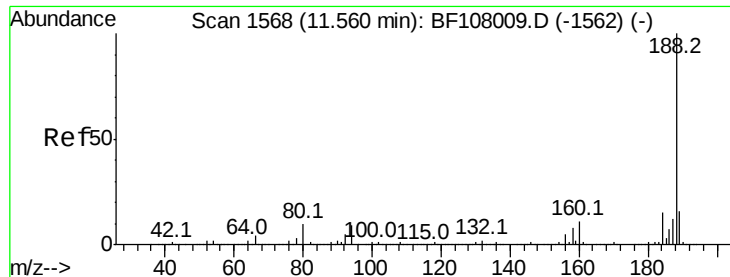
Abundance

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

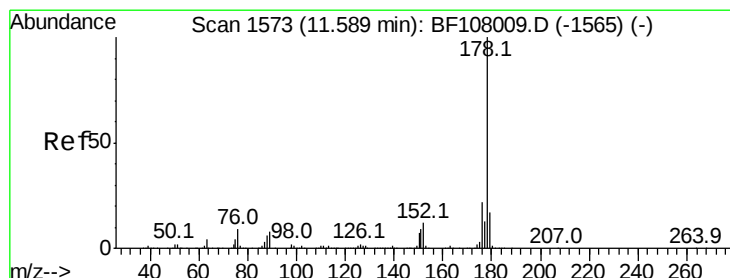
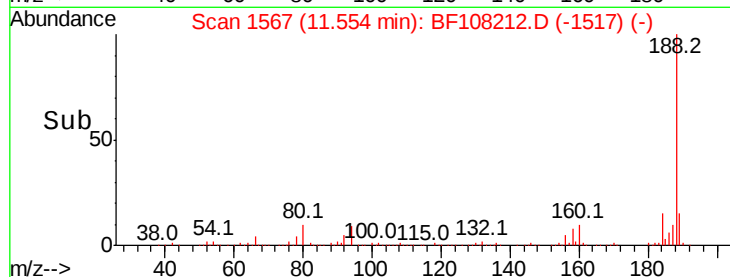
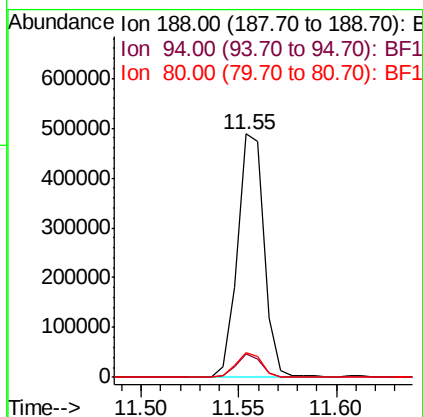
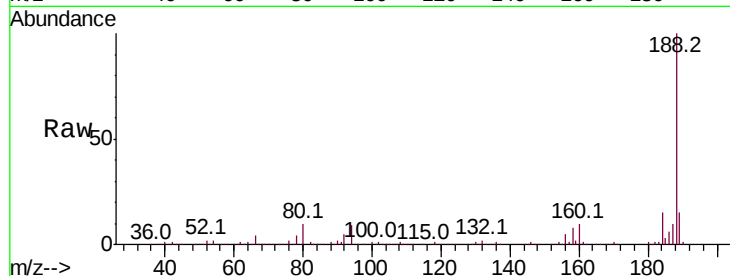
ClientSampleId :

LSB-01(0-1)

Tot Ion:	188	Resp:	462115
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	10.4	9.2	13.8

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#70

Phenanthrene

Concen: 7.647 ng

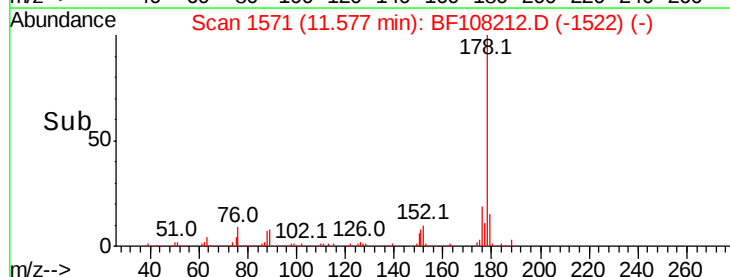
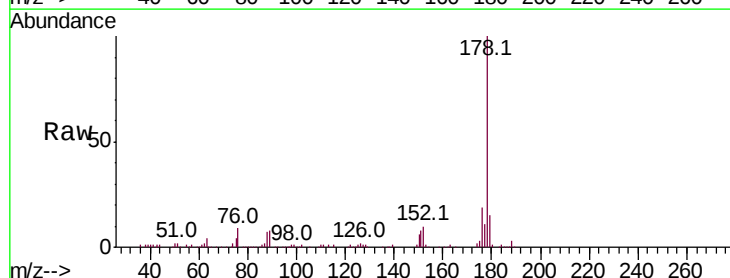
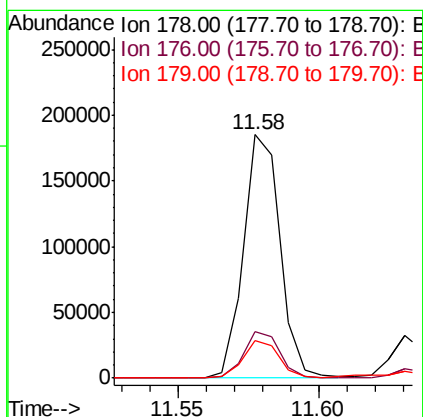
RT: 11.58 min Scan# 1571

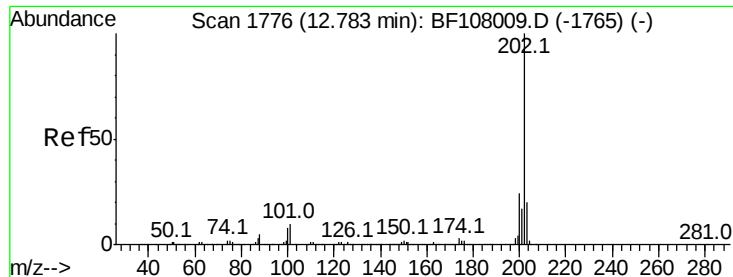
Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Tgt Ion:	178	Resp:	166673
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.2	13.0	19.6





#74

Fluoranthene

Concen: 17.785 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

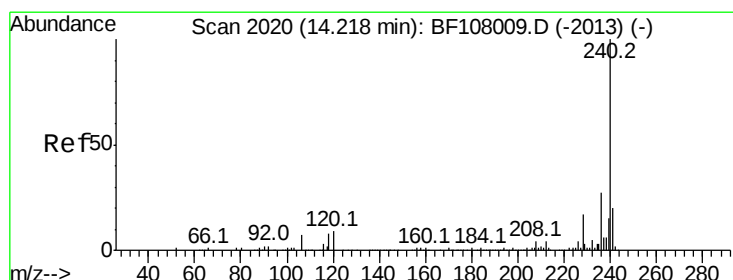
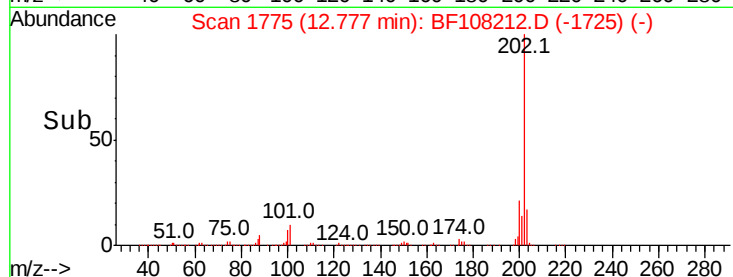
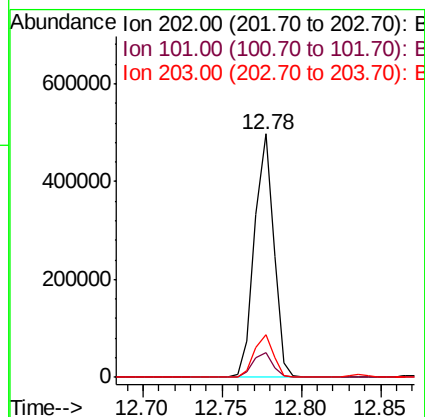
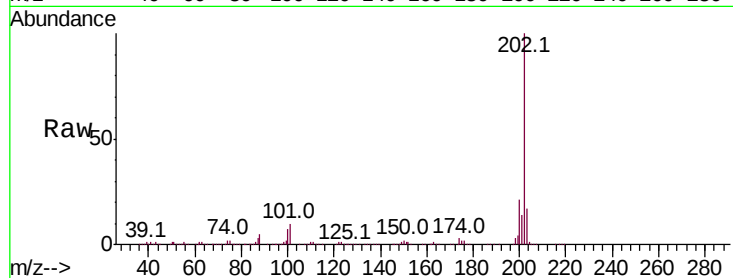
ClientSampleId :

LSB-01(0-1)

Tot Ion:	202	Resp:	423067
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

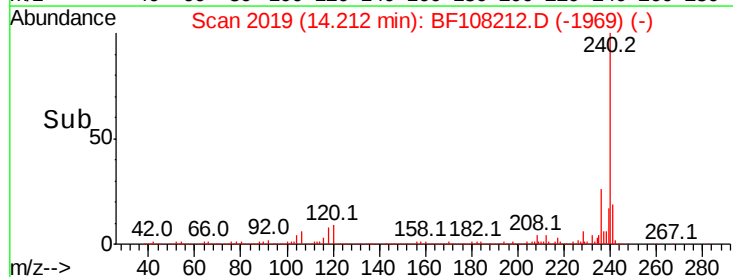
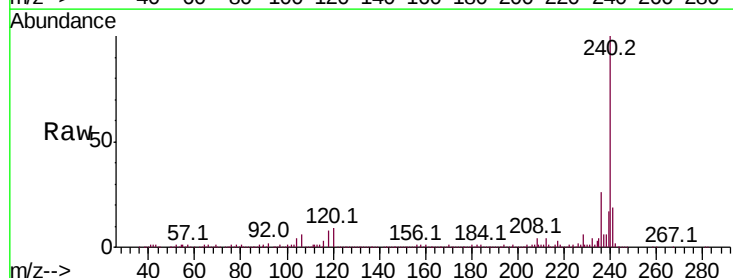
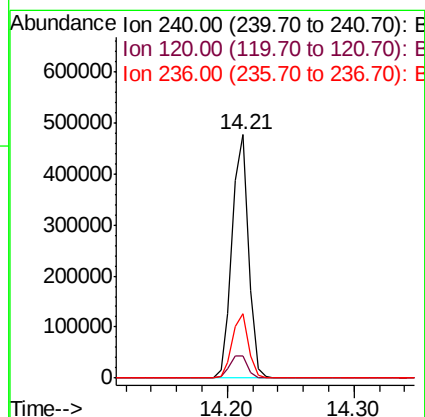
RT: 14.21 min Scan# 2019

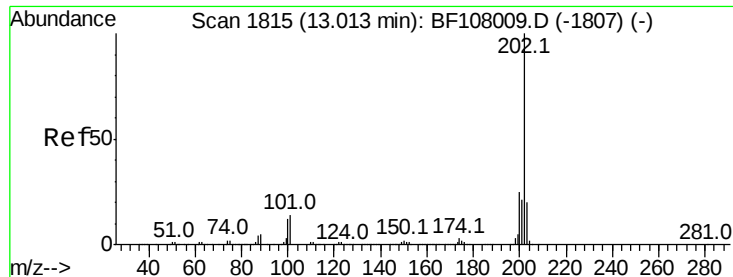
Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Tgt Ion:	240	Resp:	424906
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.5	14.3#
236	26.2	20.7	31.1





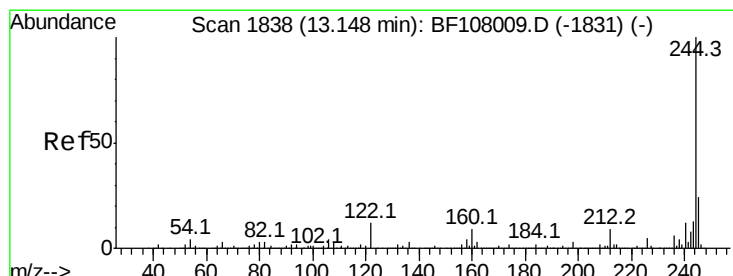
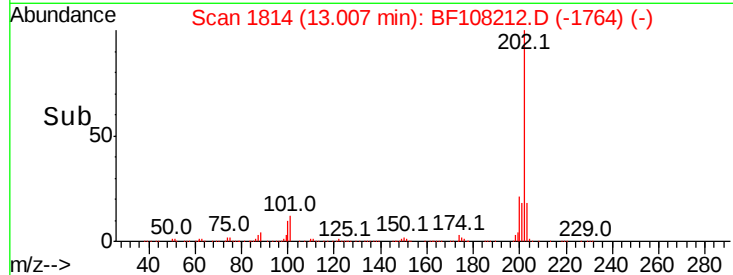
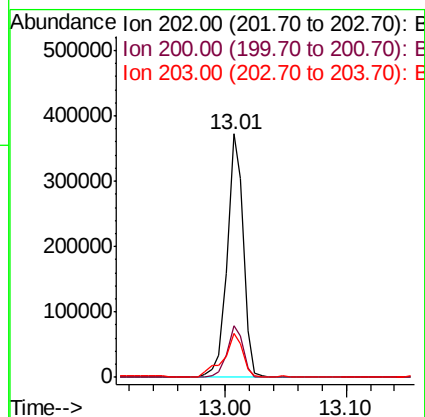
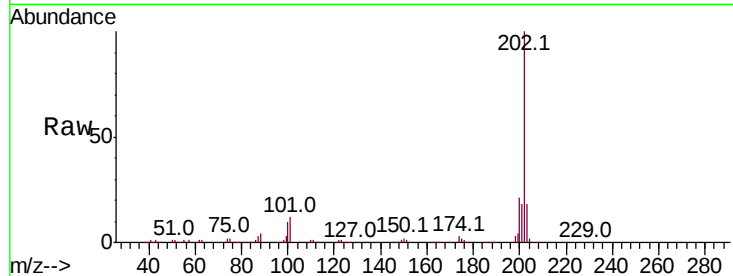
#77
Pvrene
Concen: 12.770 ng
RT: 13.01 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Instrument :
BNA_F
ClientSampled :
LSB-01(0-1)

Tot Ion:	202	Resp:	343513
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5

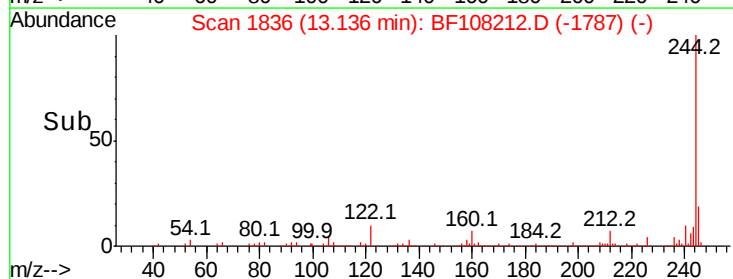
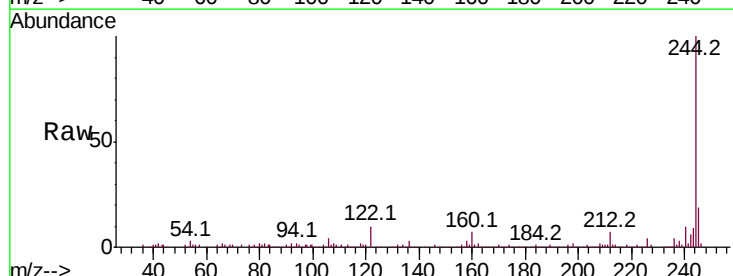
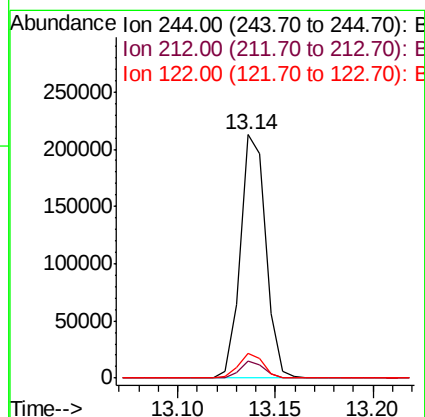
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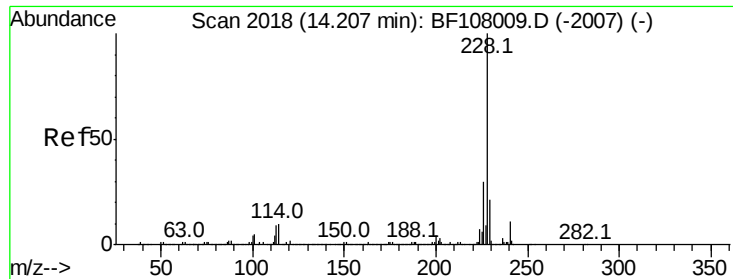
Sohil
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#78
Terphenyl-d14
Concen: 11.450 ng
RT: 13.14 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Tgt Ion:	244	Resp:	191349
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	10.0	11.0	16.4#





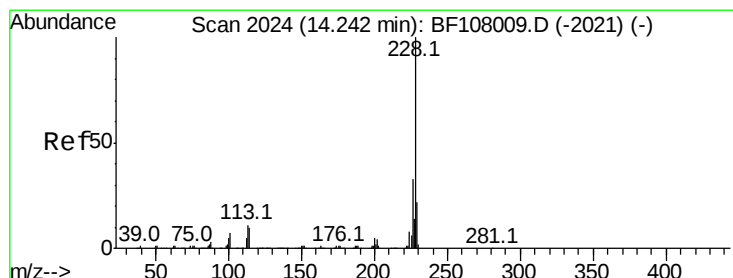
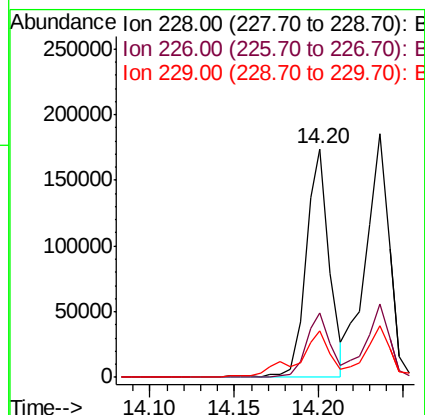
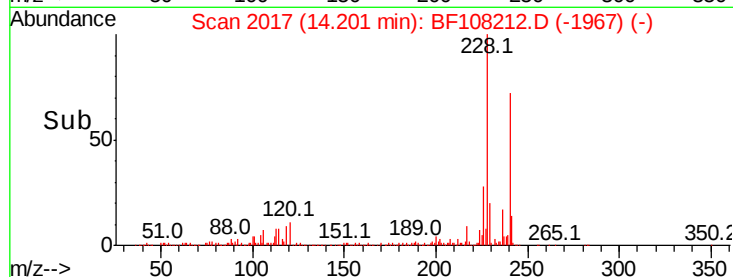
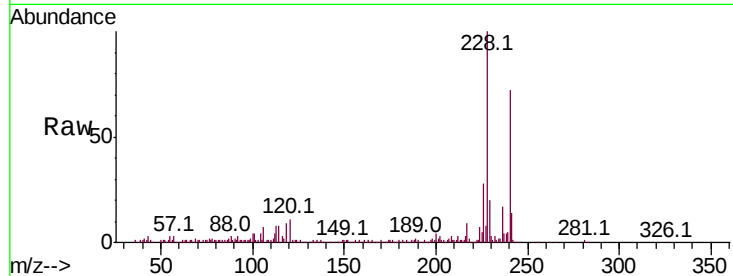
#80
Benzo(a)anthracene
Concen: 6.866 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

Tot Ion:	228	Resp:	167428
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	20.2	15.8	23.6

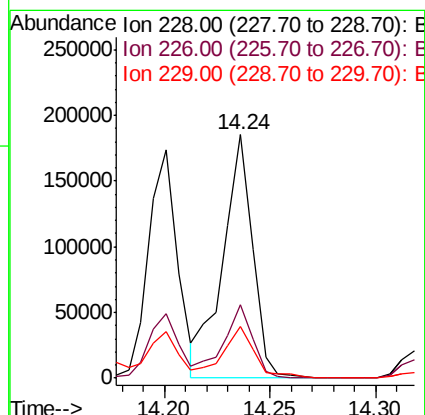
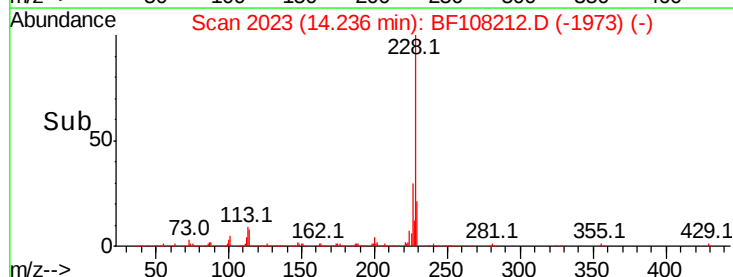
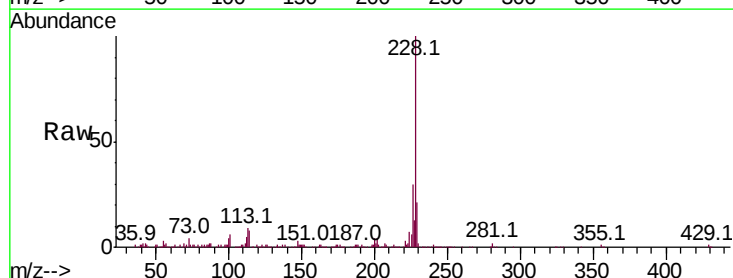
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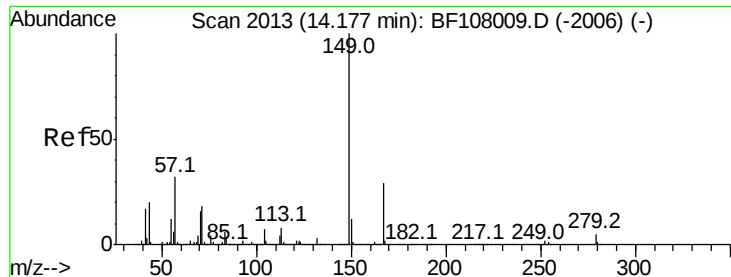
Sohil
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#82
Chrysene
Concen: 8.065 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Tgt Ion:	228	Resp:	180308
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.0	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 35.112 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Instrument :

BNA_F

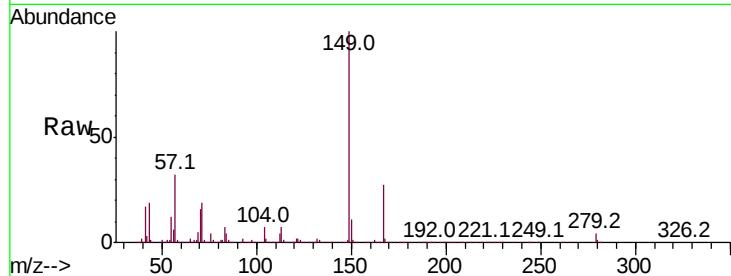
ClientSampleId :

LSB-01(0-1)

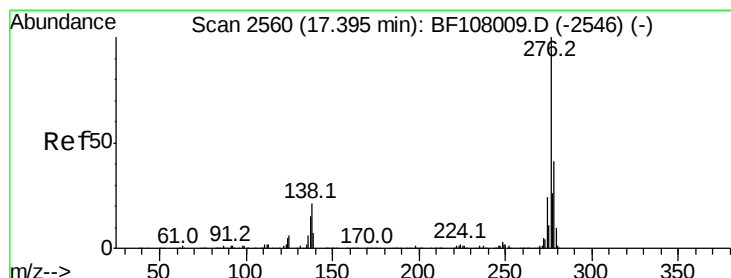
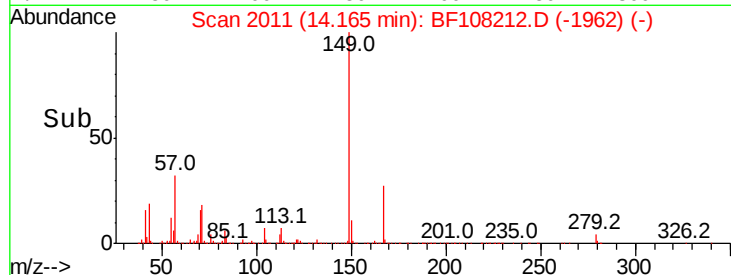
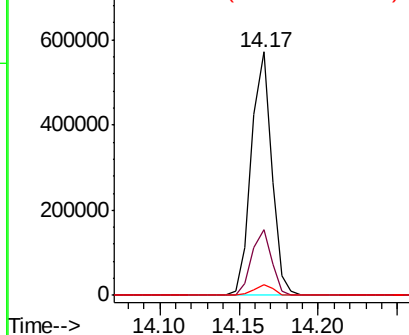
Tot Ion:	149	Resp:	507910
Ion Ratio	Lower	Upper	
149	100		
167	26.8	21.3	31.9
279	4.2	3.0	4.4

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.400 ng

RT: 17.38 min Scan# 2558

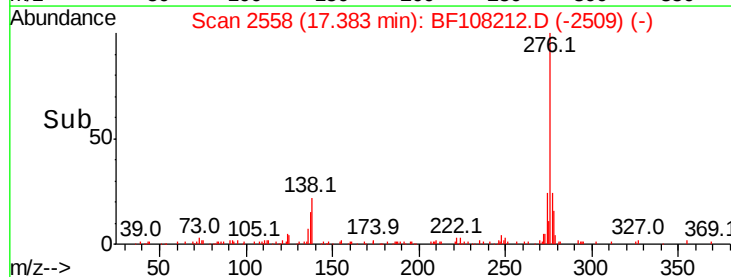
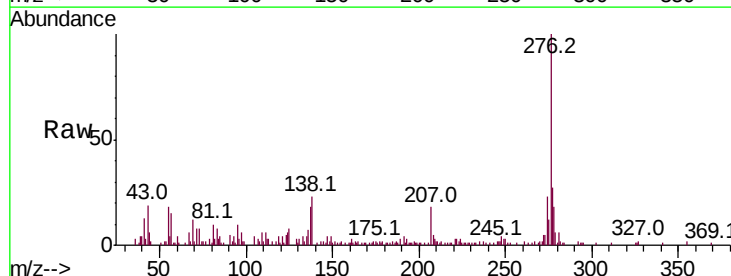
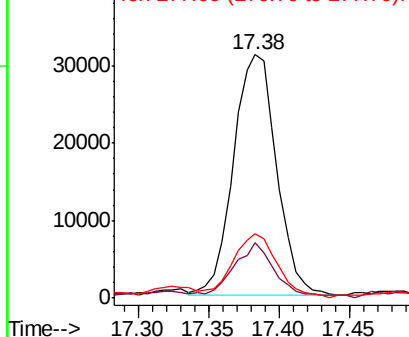
Delta R.T. -0.01 min

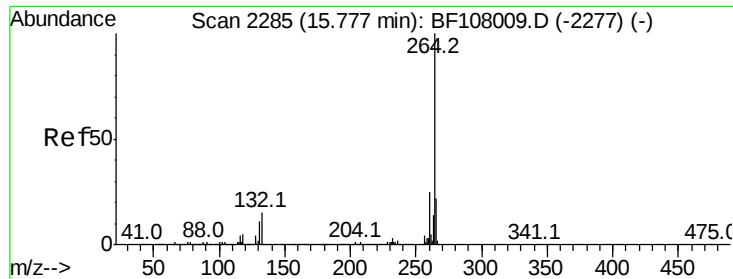
Lab File: BF108212.D

Acq: 16 Aug 2018 23:08

Tgt Ion:	276	Resp:	65859
Ion Ratio	Lower	Upper	
276	100		
138	22.5	25.0	37.6#
277	28.2	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





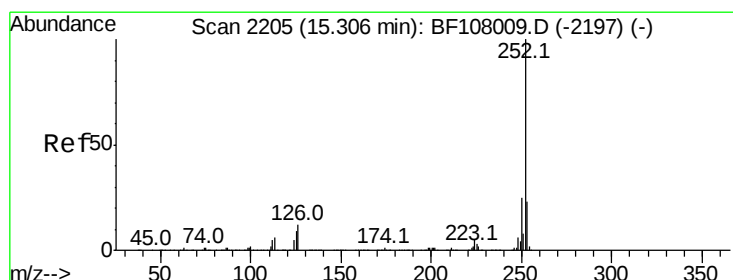
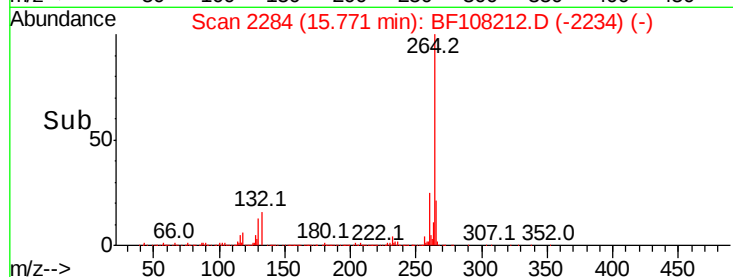
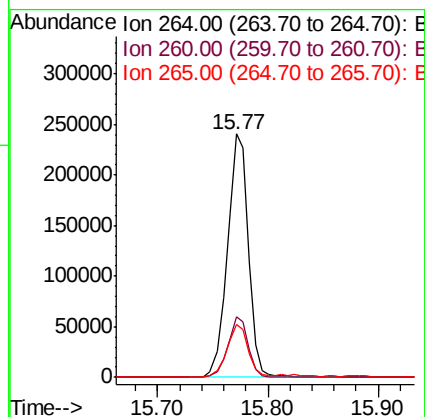
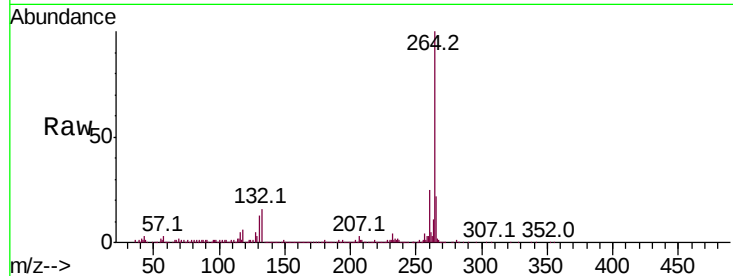
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.6	17.5	26.3

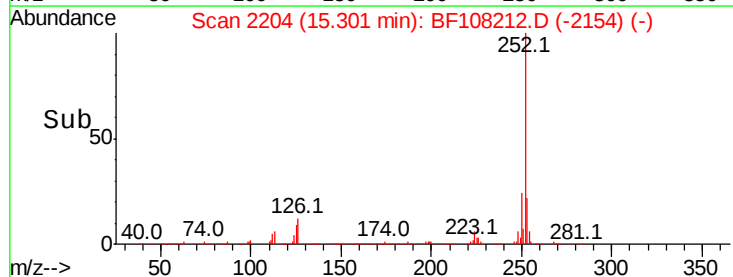
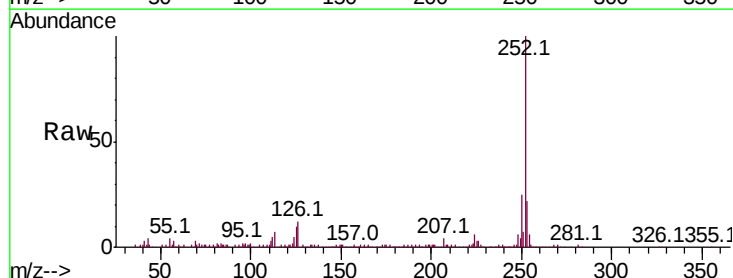
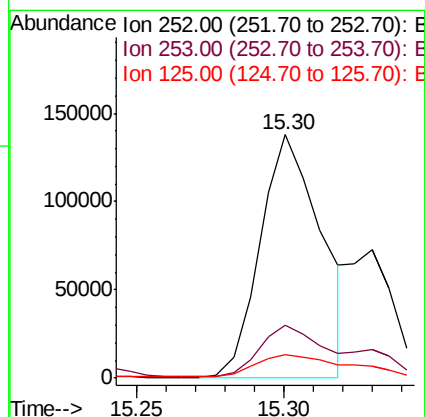
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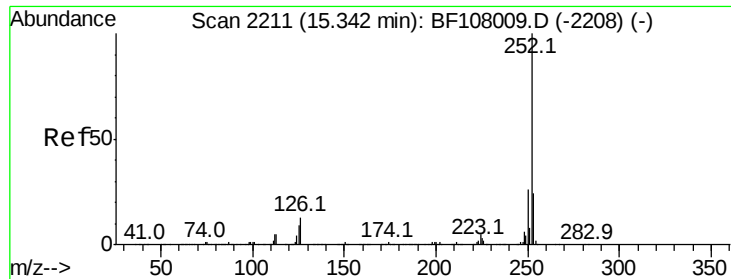
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#87
Benzo(b)fluoranthene
Concen: 10.432 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	9.7	9.0	13.6





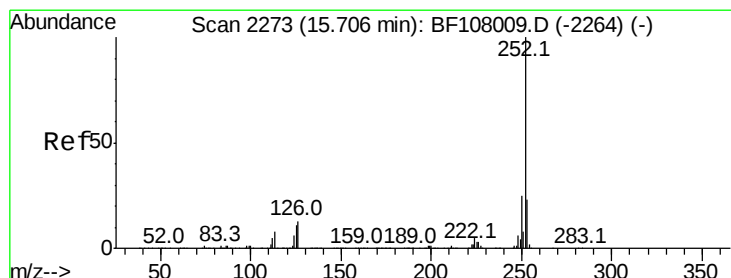
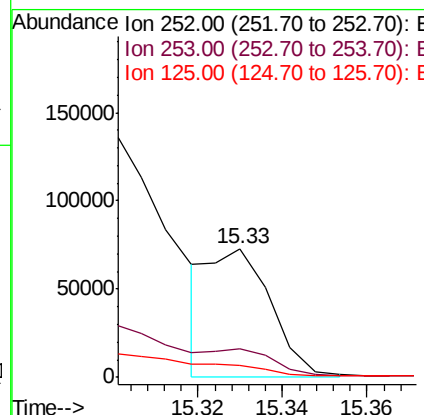
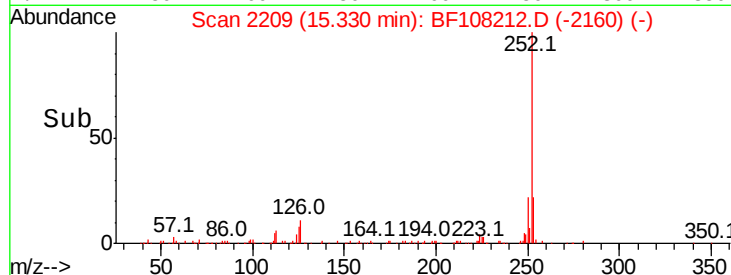
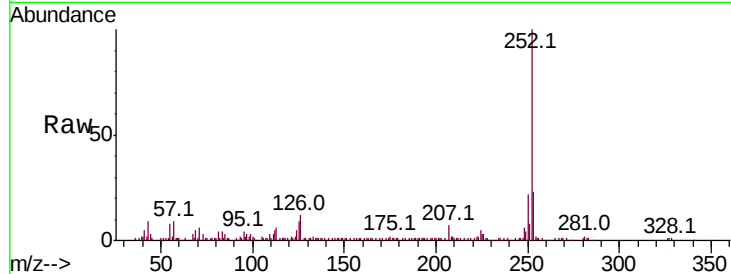
#88
Benzo(k)fluoranthene
Concen: 4.232 ng m
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Instrument :
BNA_F
ClientSampleId :
LSB-01(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	8.9	10.2	15.2

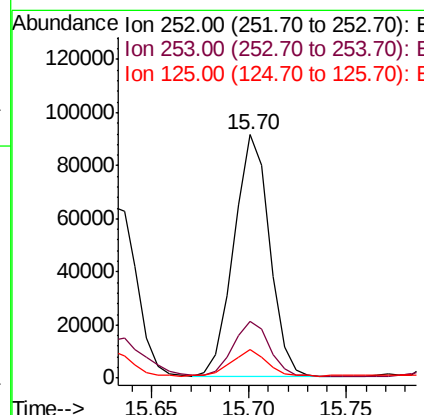
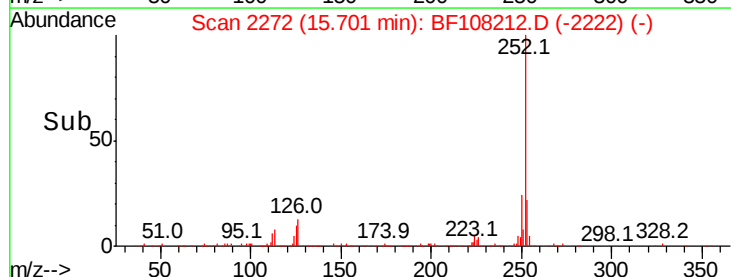
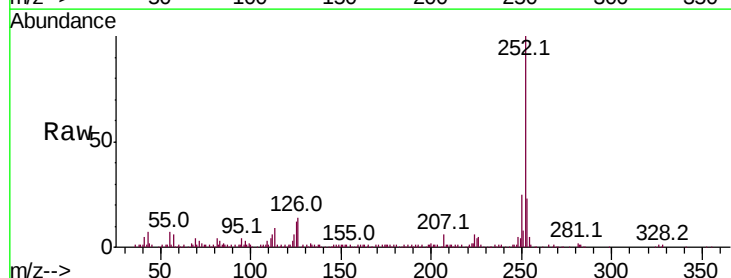
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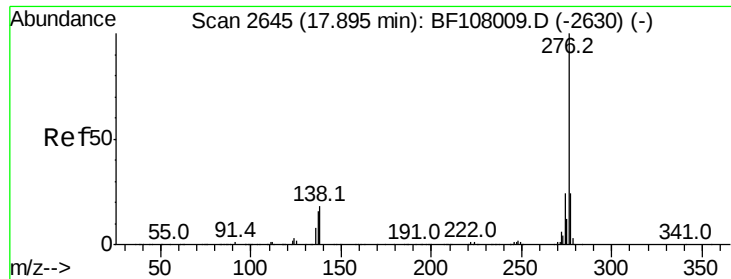
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#89
Benzo(a)pyrene
Concen: 6.809 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108212.D
Acq: 16 Aug 2018 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.538 ng
 RT: 17.88 min Scan# 2642
 Delta R.T. -0.02 min
 Lab File: BF108212.D
 Acq: 16 Aug 2018 23:08

Instrument :
 BNA_F
 ClientSampleId :
 LSB-01(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9#
138	18.0	21.8	32.8#

Manual Integrations
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