

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
 Data File : BF108198.D
 Acq On : 16 Aug 2018 16:42
 Operator : JU/SJ
 Sample : J4269-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-081518-B

Manual Integrations
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 8/17/2018 3:30:39 PM

Quant Time: Aug 16 18:26:45 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	172581	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	615829	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	277570	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	434125	20.00	ng	0.00
75) Chrysene-d12	14.21	240	415401	20.00	ng	0.00
86) Perylene-d12	15.77	264	391126	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	825429	86.59	ng	0.00
7) Phenol-d6	6.64	99	1118860	88.33	ng	0.00
23) Nitrobenzene-d5	7.58	82	739092	66.97	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	237646	85.83	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1282350	74.17	ng	0.00
78) Terphenyl-d14	13.14	244	1029587	63.02	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	138334	7.155	ng	99
70) Phenanthrene	11.58	178	42894	2.095	ng	99
74) Fluoranthene	12.78	202	90021	4.028	ng	95
77) Pyrene	13.01	202	87315	3.320	ng	99
80) Benzo(a)anthracene	14.20	228	54966	2.306	ng	96
82) Chrysene	14.24	228	50014	2.288	ng	97
87) Benzo(b)fluoranthene	15.30	252	64468m	2.758	ng	
89) Benzo(a)pyrene	15.70	252	47101	2.251	ng	98

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

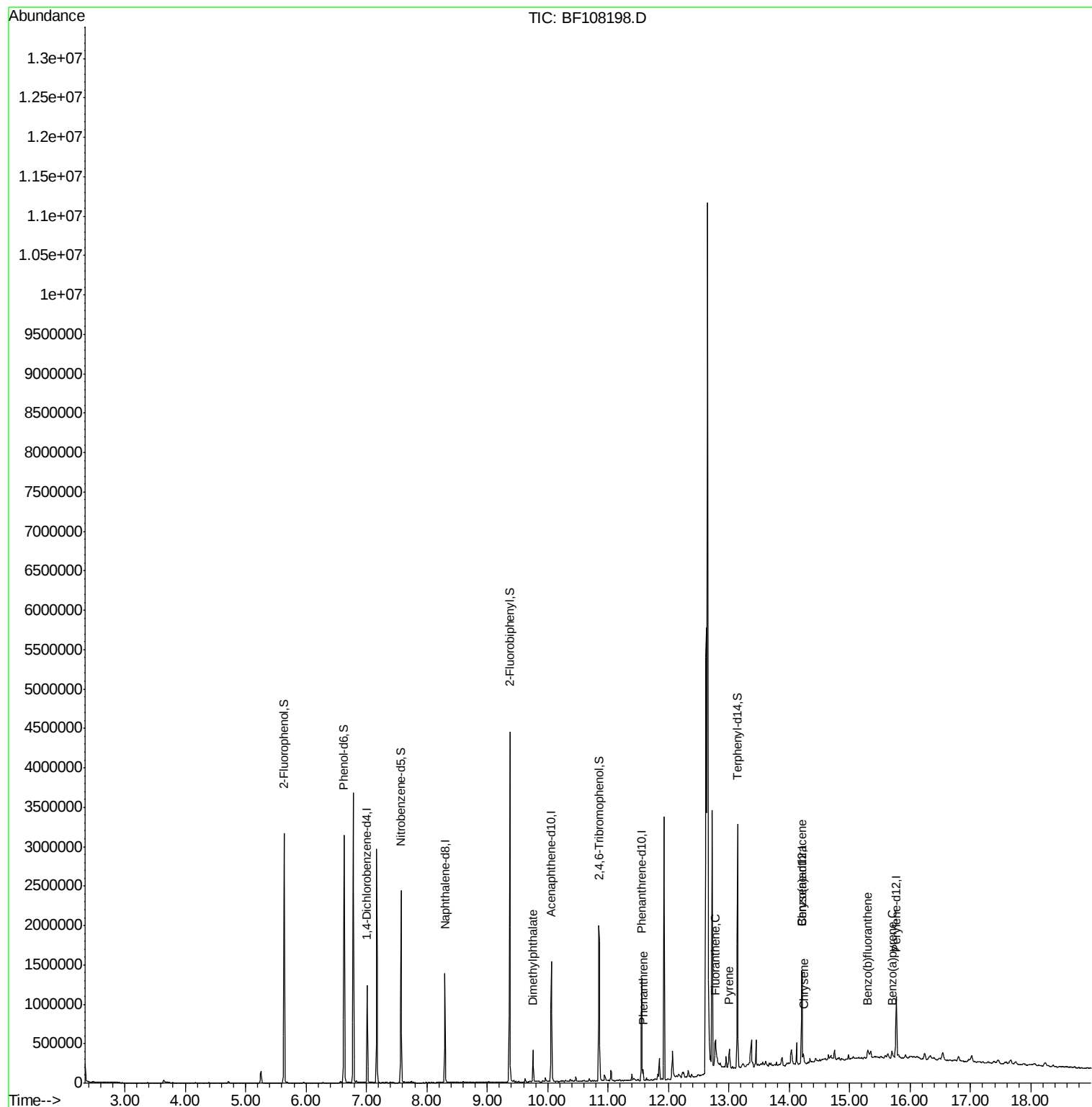
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081618\
Data File : BF108198.D
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#1

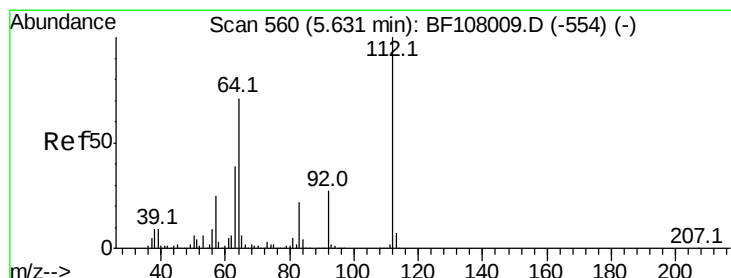
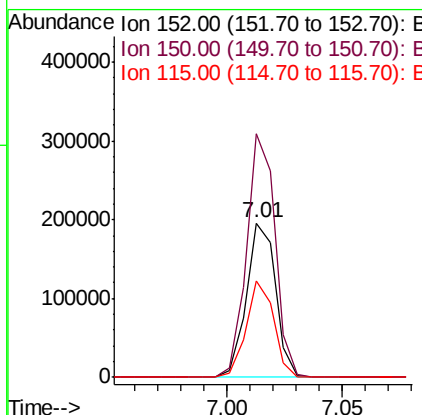
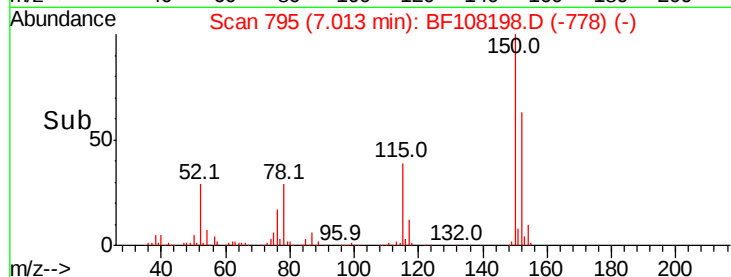
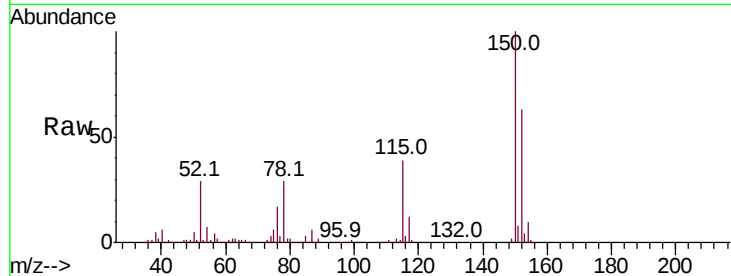
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Instrument :
BNA_F
ClientSampleId :
AU-06-081518-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	62.2	50.1	75.1

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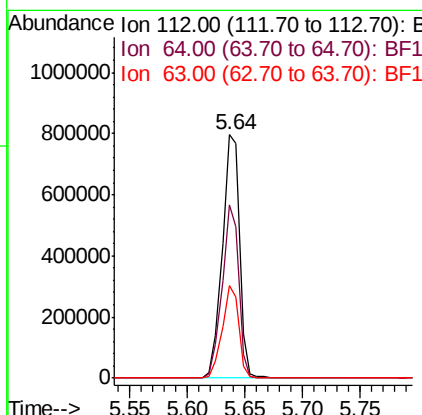
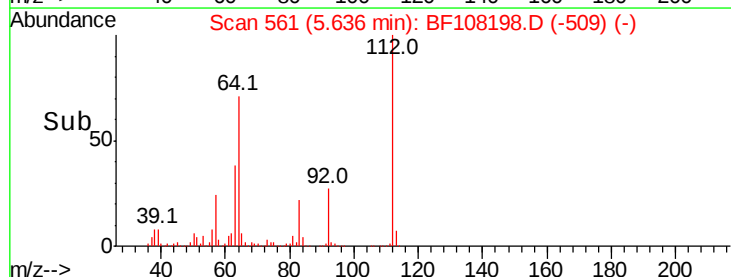
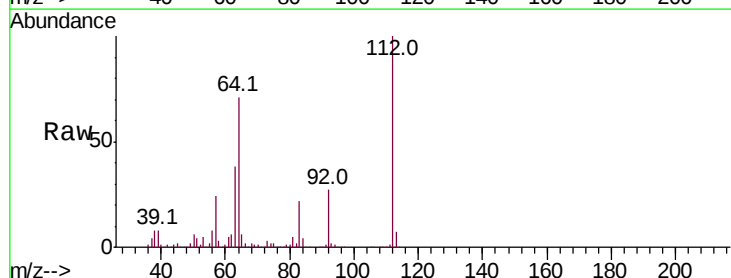
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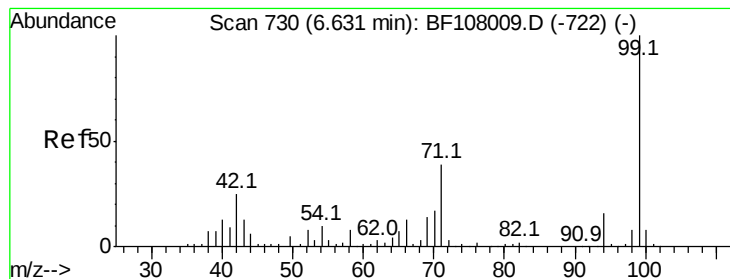


#5

2-Fluorophenol
Concen: 86.591 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	47.9	71.9
63	37.8	23.7	35.5#





#7

Phenol-d6

Concen: 88.326 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

ClientSampled :

AU-06-081518-B

Tot Ion: 99 Resp: 1118860

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

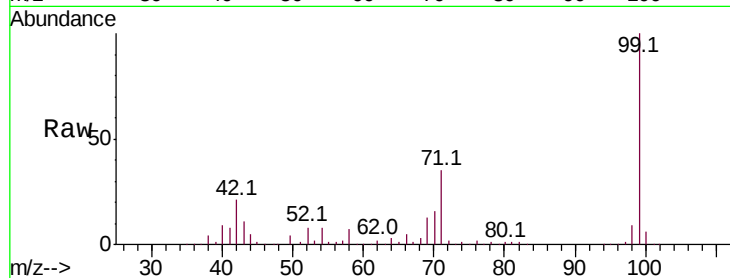
71 34.8 25.4 38.0

Manual Integrations

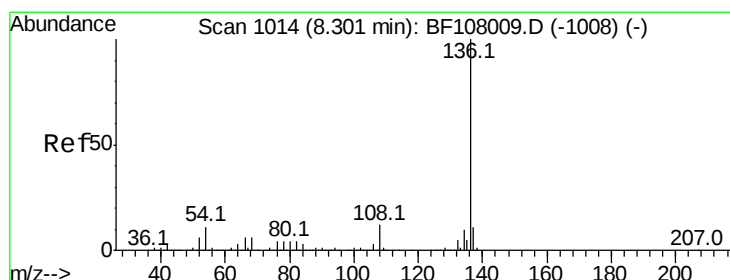
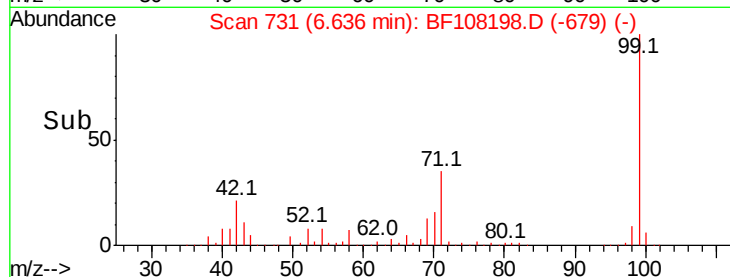
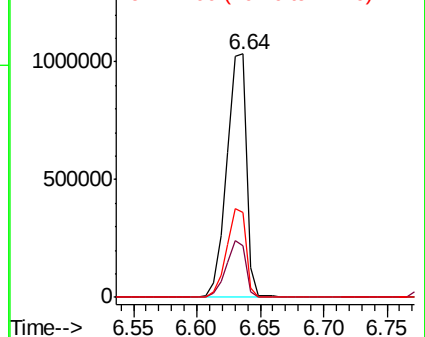
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Tgt Ion: 136 Resp: 615829

Ion Ratio Lower Upper

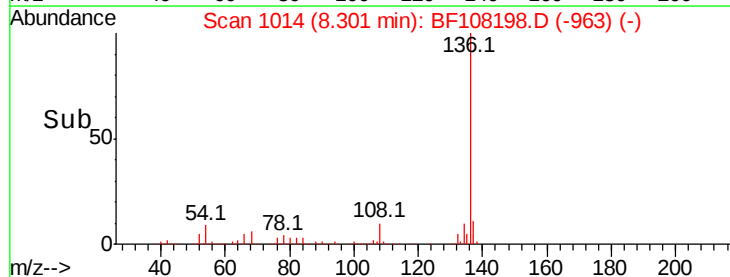
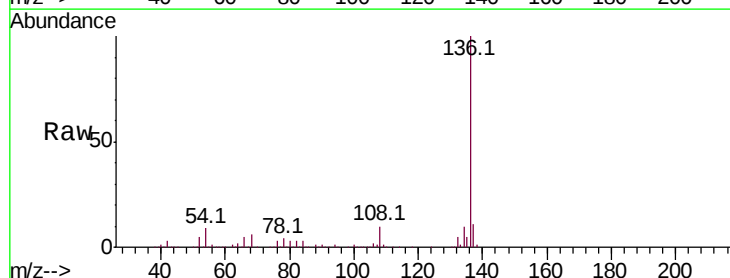
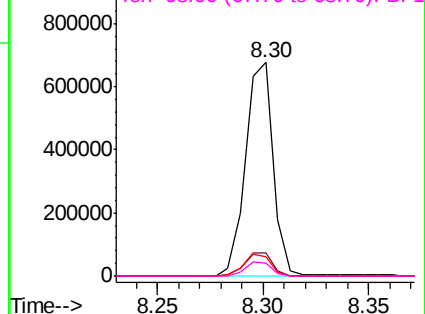
136 100

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





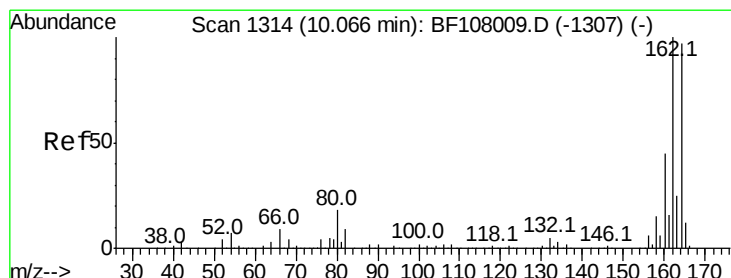
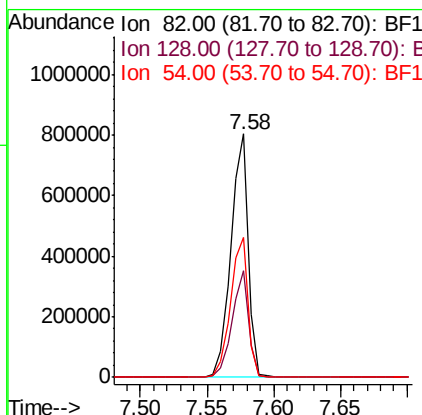
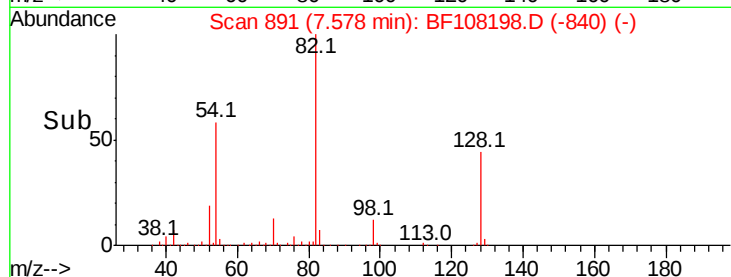
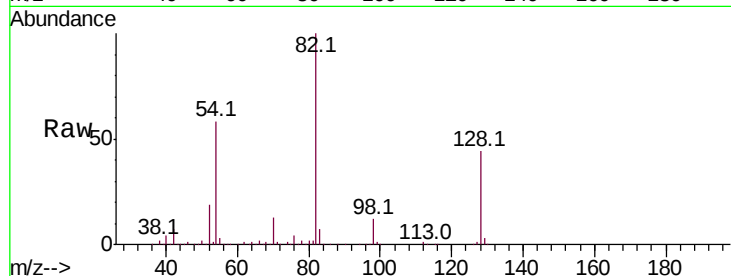
#23
Nitrobenzene-d5
Concen: 66.971 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Instrument :
BNA_F
ClientSampleId :
AU-06-081518-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	57.7	41.4	62.2

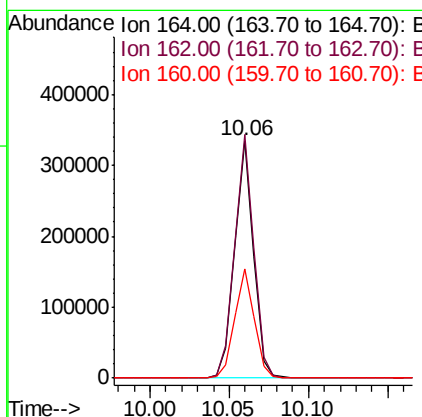
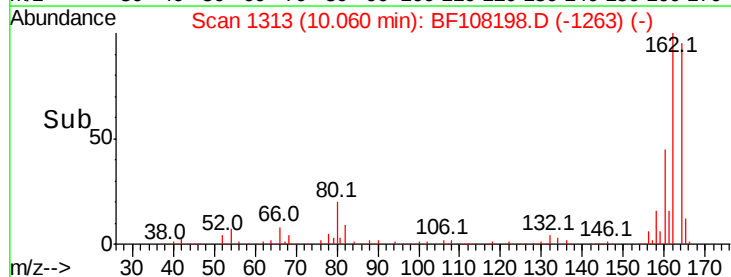
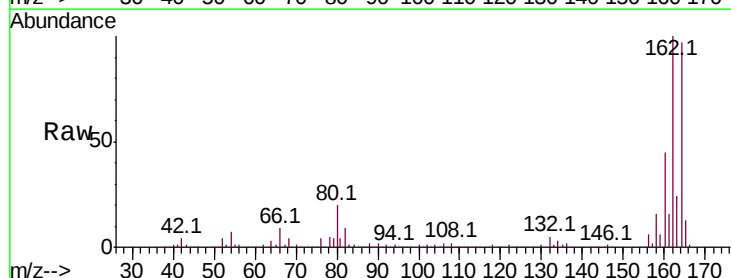
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.0	38.3	57.5





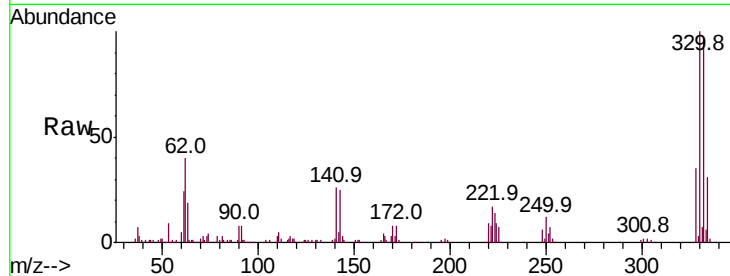
#41
 2,4,6-Tribromophenol
 Concen: 85.833 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108198.D
 Acq: 16 Aug 2018 16:42

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-081518-B

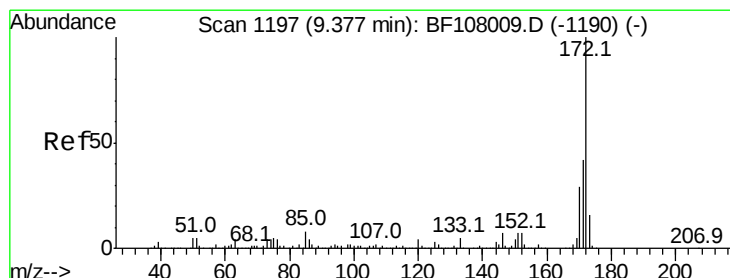
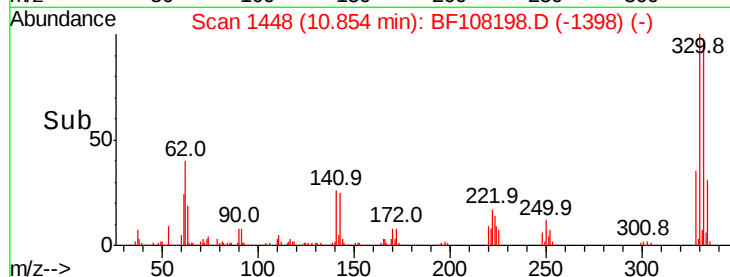
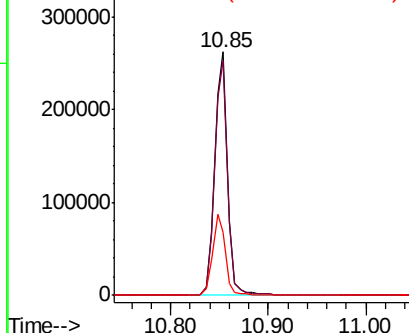
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.0	115.6	
141	33.4	29.9	44.9	

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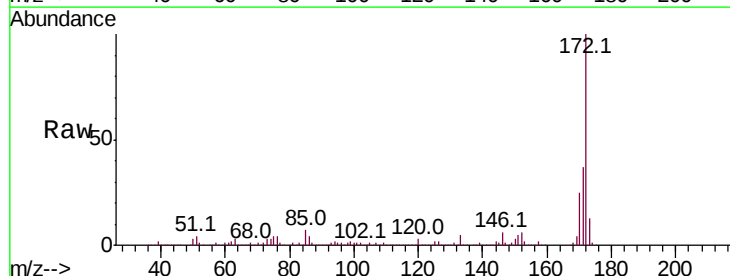


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

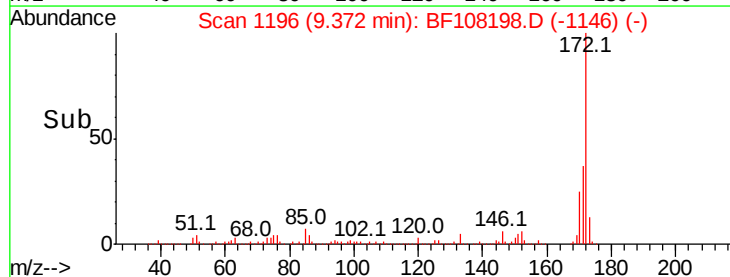
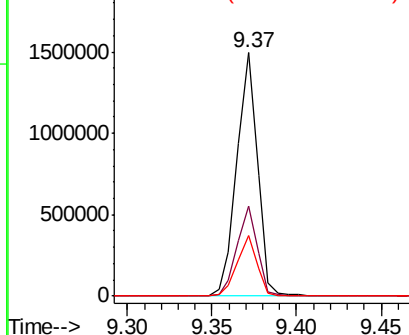


#44
 2-Fluorobiphenyl
 Concen: 74.171 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108198.D
 Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.0	29.7	44.5	
170	24.8	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





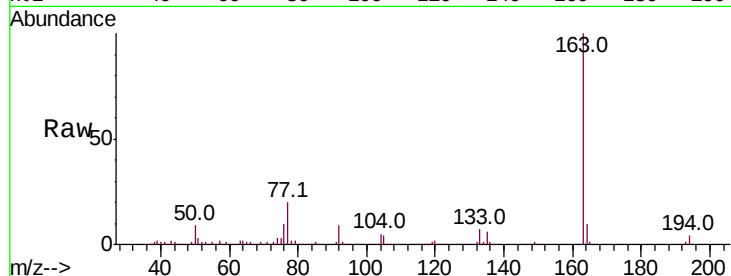
#49
Dimethylphthalate
Concen: 7.155 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Instrument :
BNA_F
ClientSampleId :
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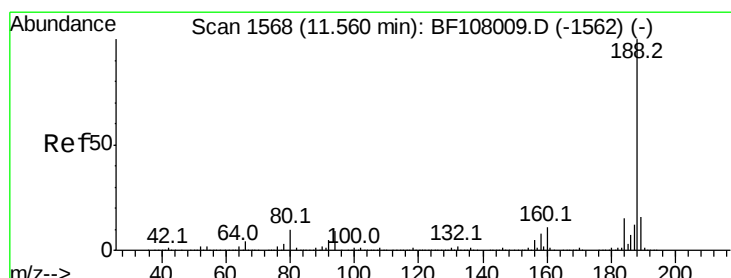
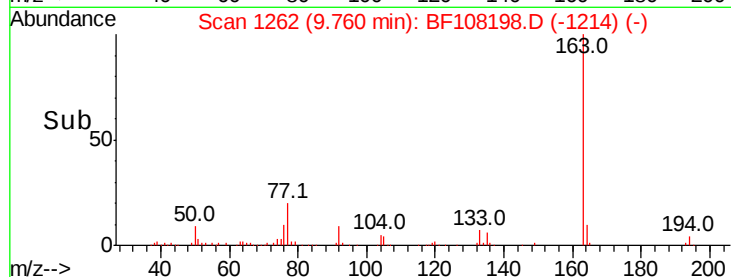
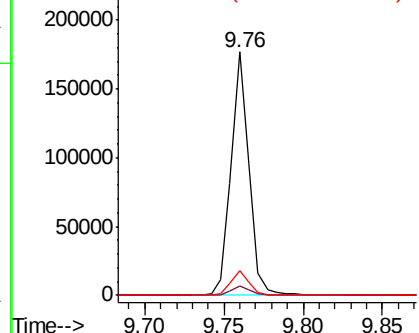
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	10.4	8.2	12.2	

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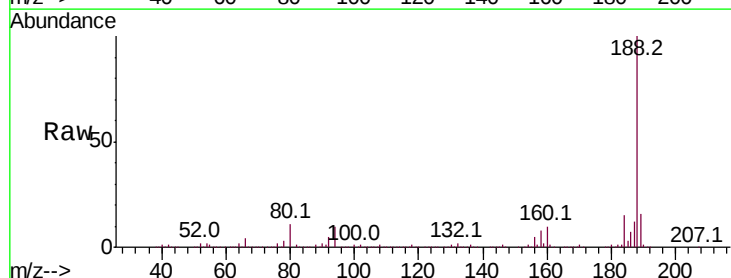


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

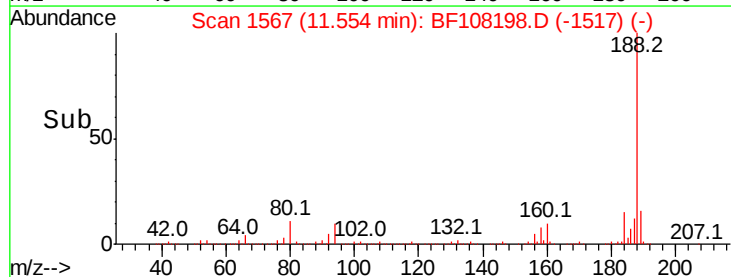
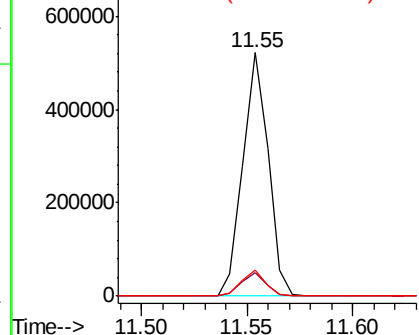


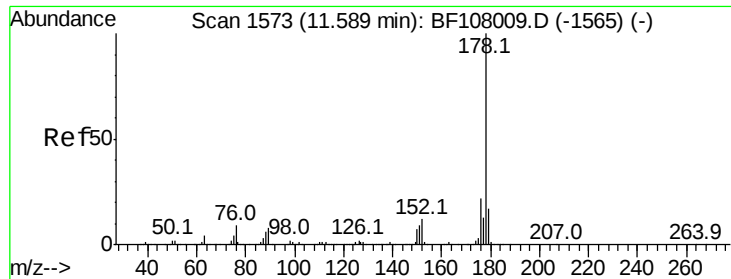
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.7	8.5	12.7	
80	10.6	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: 2.095 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

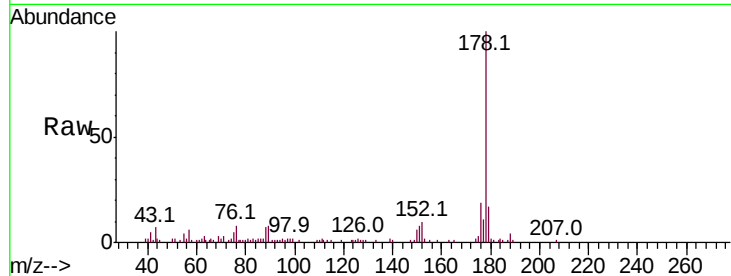
ClientSampleId :

AU-06-081518-B

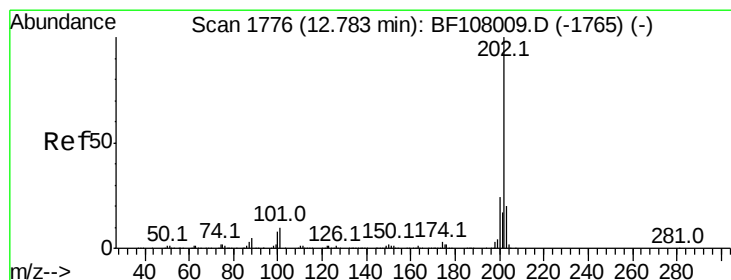
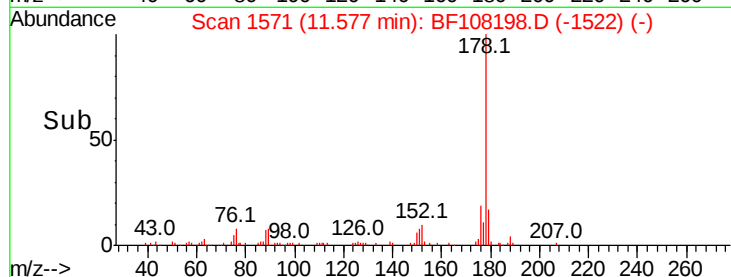
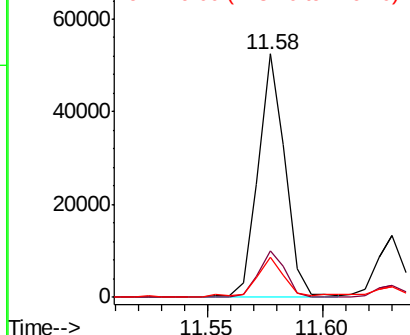
Tot Ion:178	Resp:	42894
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	16.6	13.0 19.6

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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



#74

Fluoranthene

Concen: 4.028 ng

RT: 12.78 min Scan# 1775

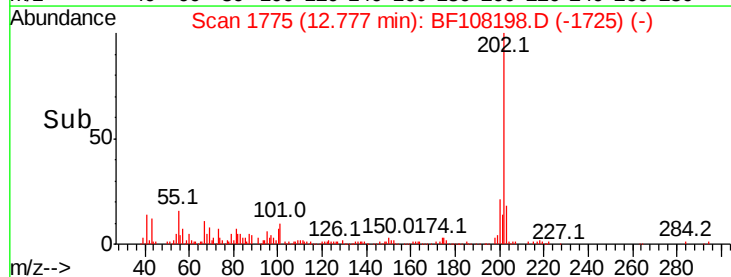
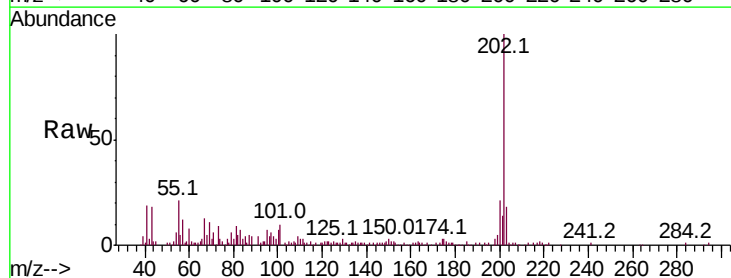
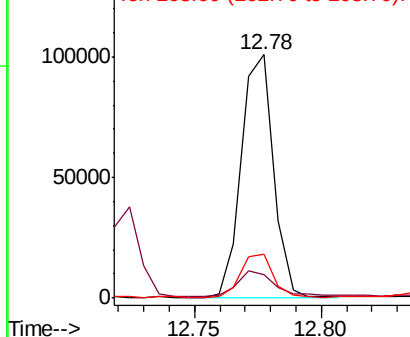
Delta R.T. -0.01 min

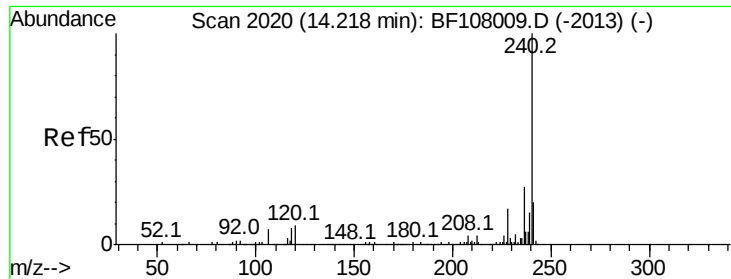
Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Tgt Ion:202	Resp:	90021
Ion Ratio	Lower	Upper
202	100	
101	9.7	0.0 34.1
203	18.0	0.0 38.1

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

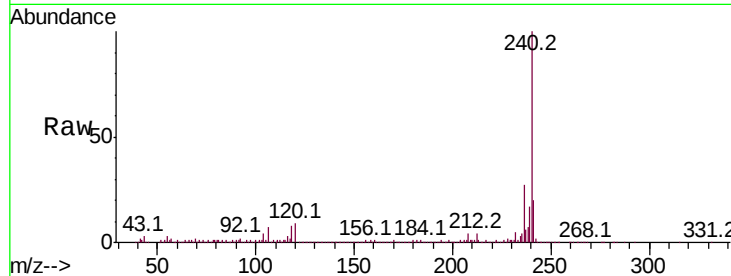
ClientSampleId :

AU-06-081518-B

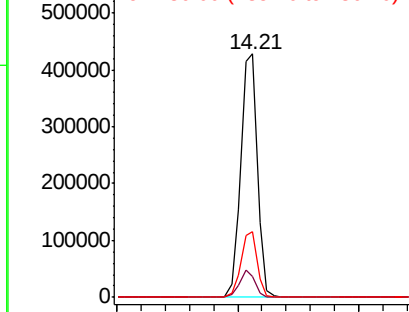
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	27.2	20.7	31.1

Manual Integrations
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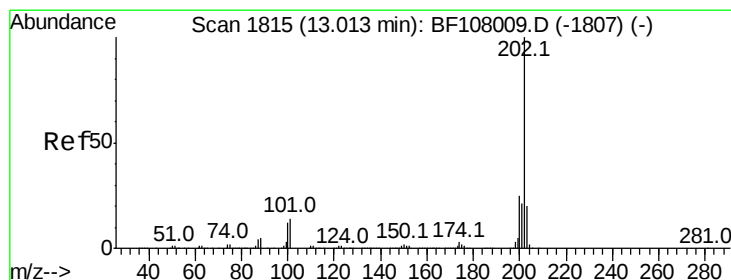
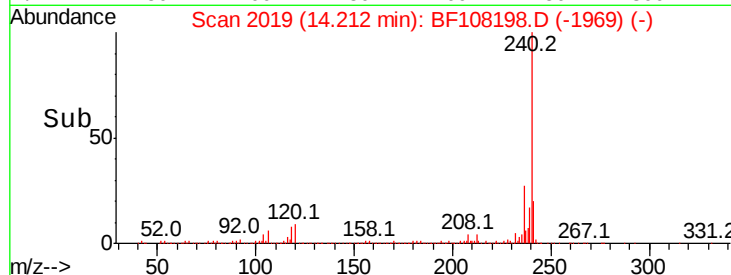
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 14.10 14.20 14.30



#77

Pyrene

Concen: 3.320 ng

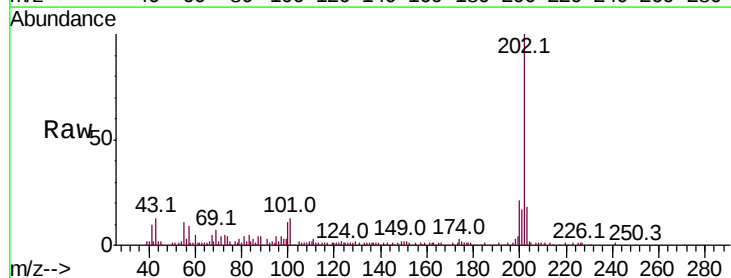
RT: 13.01 min Scan# 1814

Delta R.T. -0.01 min

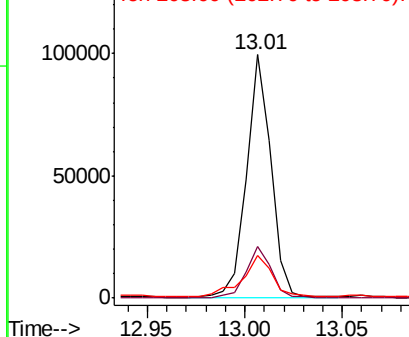
Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

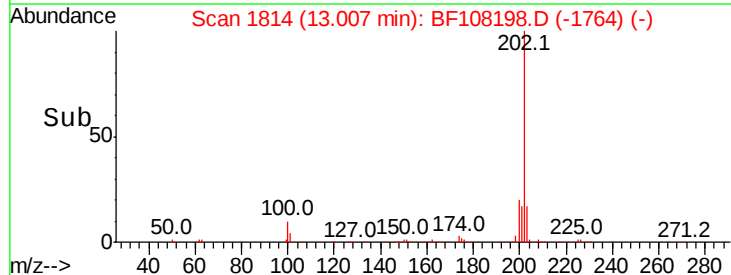
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.5	14.3	21.5

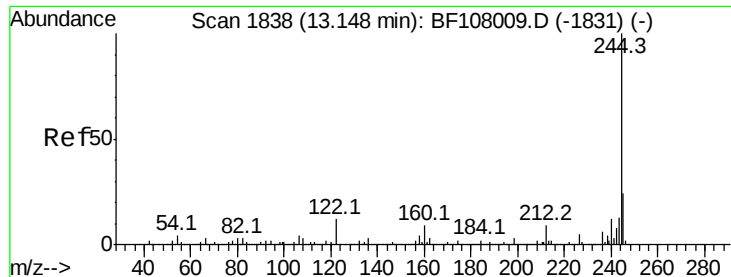


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.95 13.00 13.05





#78

Terphenyl-d14

Concen: 63.019 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

Instrument :

BNA_F

ClientSampleId :

AU-06-081518-B

Tot Ion:244 Resp: 1029587

Ion Ratio Lower Upper

244 100

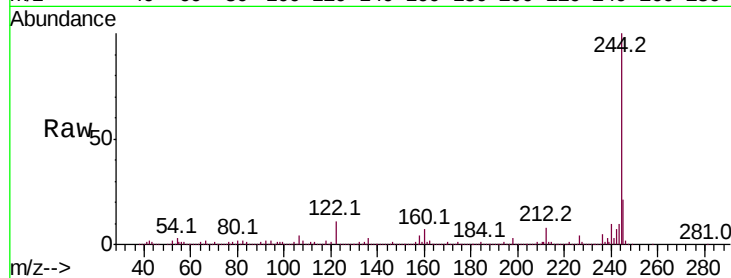
212 7.6 5.4 8.0

122 10.8 11.0 16.4#

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Abundance Ion 244.00 (243.70 to 244.70): E

1500000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

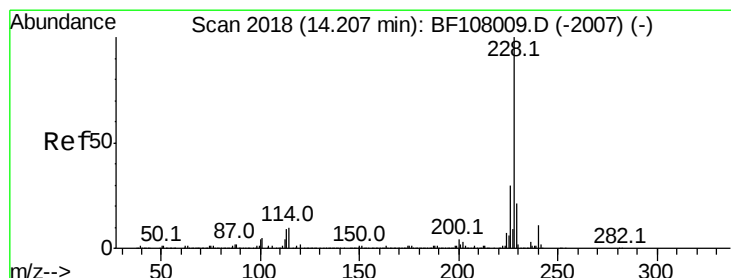
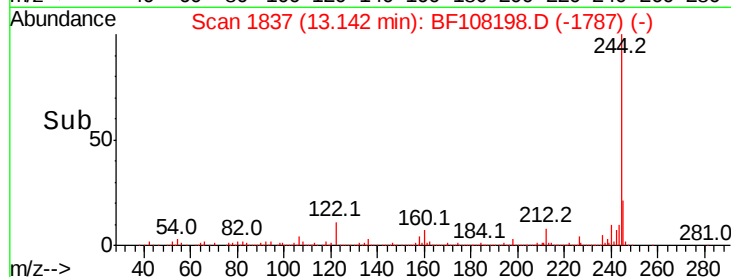
1000000

500000

0

13.10 13.20

Time-->



#80

Benzo(a)anthracene

Concen: 2.306 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108198.D

Acq: 16 Aug 2018 16:42

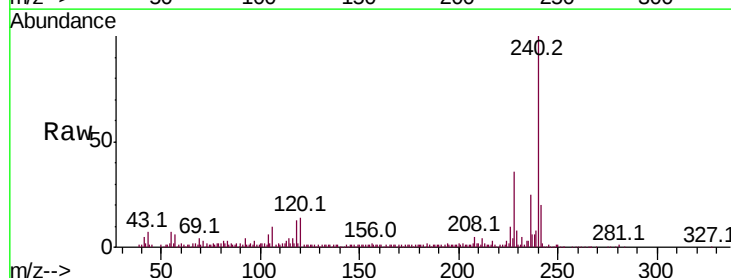
Tgt Ion:228 Resp: 54966

Ion Ratio Lower Upper

228 100

226 29.4 22.6 33.8

229 22.9 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

60000

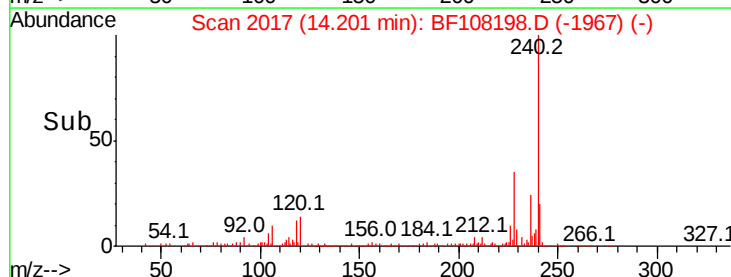
40000

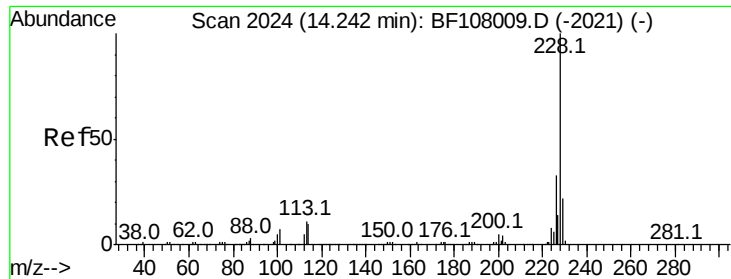
20000

0

14.15 14.20

Time-->





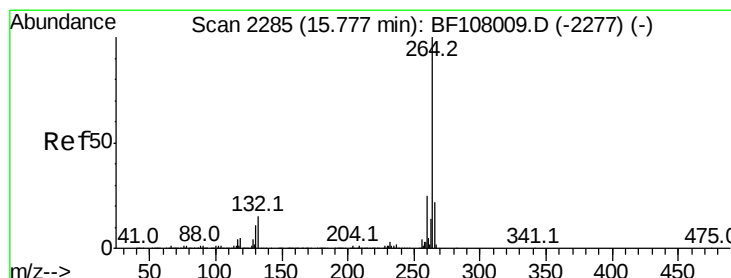
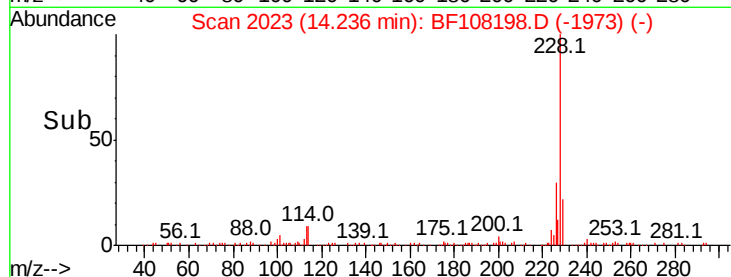
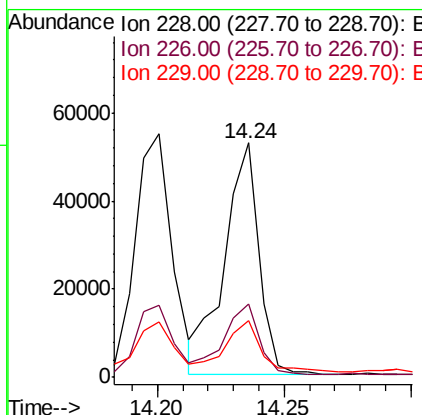
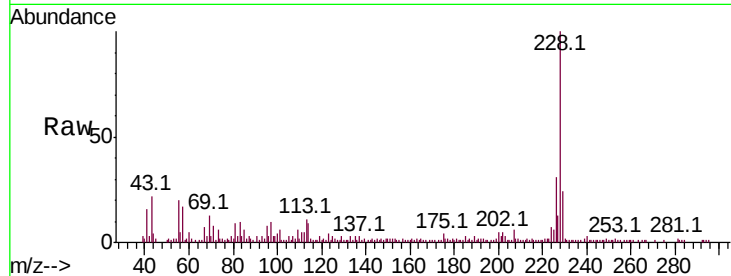
#82
Chrysene
Concen: 2.288 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Instrument :
BNA_F
ClientSampleId :
AU-06-081518-B

Tot Ion:	228	Resp:	50014
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	24.0	16.2	24.4

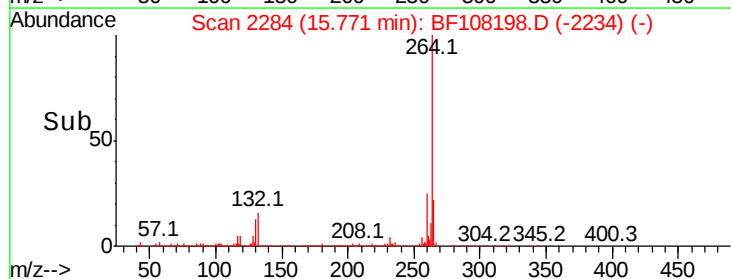
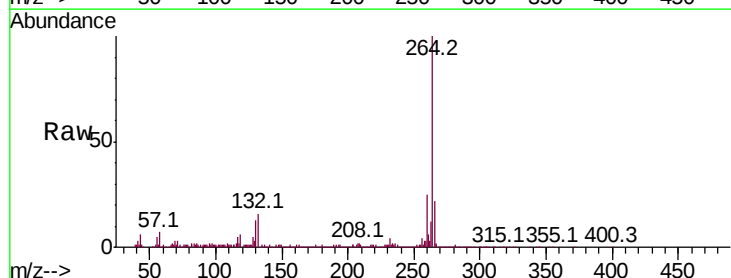
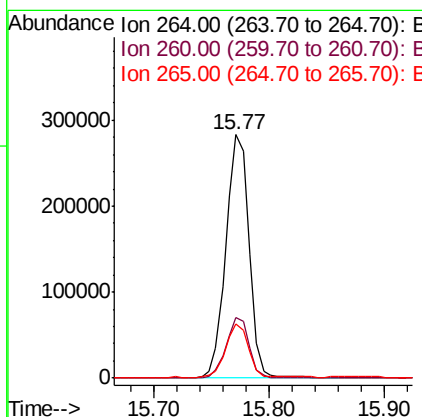
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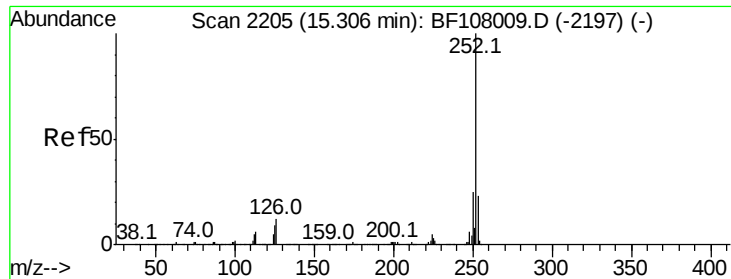
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion:	264	Resp:	391126
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	22.1	17.5	26.3





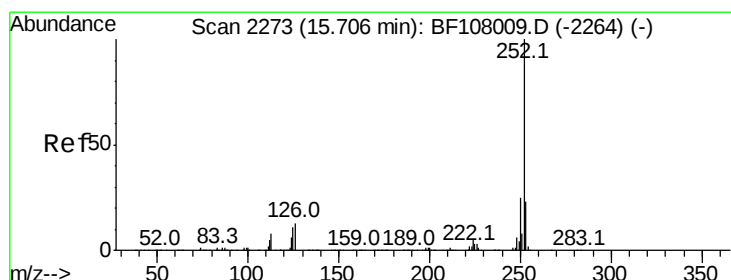
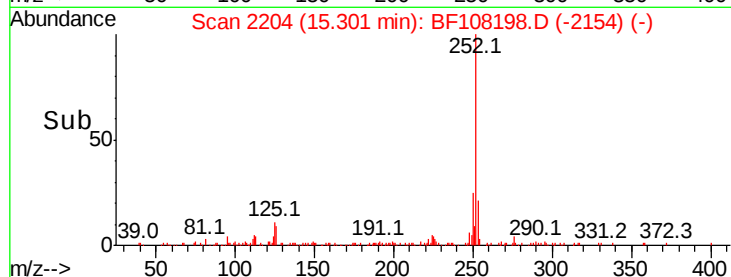
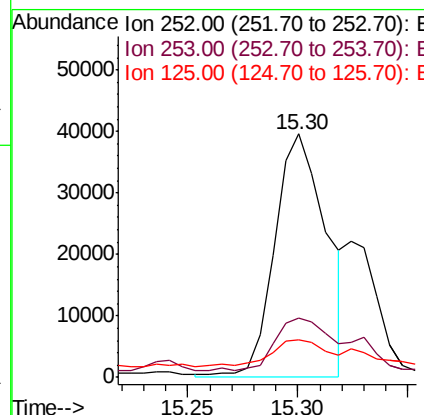
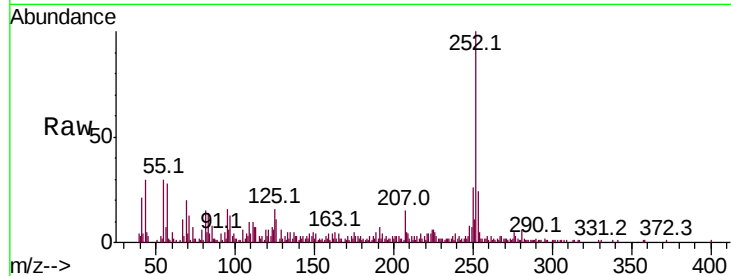
#87
Benzo(b)fluoranthene
Concen: 2.758 ng/mL
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Instrument :
BNA_F
ClientSampleID :
AU-06-081518-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	15.6	9.0	13.6

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 2.251 ng/mL
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108198.D
Acq: 16 Aug 2018 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	12.9	9.8	14.6

