

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108068.D
 Acq On : 9 Aug 2018 23:18
 Operator : JU/SJ
 Sample : J4388-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3B

Manual Integrations
 APPROVED

Sohil
 8/10/2018 12:13:31 PM

Quant Time: Aug 10 03:20:50 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	280611	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1026126	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	478910	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	769525	20.00	ng	0.00
75) Chrysene-d12	14.21	240	657922	20.00	ng	0.00
86) Perylene-d12	15.77	264	504725	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	1577736	101.79	ng	0.00
7) Phenol-d6	6.63	99	2136505	103.73	ng	0.00
23) Nitrobenzene-d5	7.58	82	1379008	74.99	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	458017	95.88	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	2168218	72.69	ng	0.00
78) Terphenyl-d14	13.15	244	1793455	69.31	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.77	163	406949	12.199	ng	99
57) Fluorene	10.61	166	68121	2.198	ng	98
70) Phenanthrene	11.58	178	908066	25.019	ng	99
71) Anthracene	11.63	178	192077	5.163	ng	98
72) Carbazole	11.78	167	107705	3.259	ng	99
74) Fluoranthene	12.78	202	1316581	33.237	ng	96
77) Pyrene	13.01	202	1079320	25.912	ng	100
80) Benzo(a)anthracene	14.20	228	528601	14.000	ng	98
82) Chrysene	14.24	228	474763	13.715	ng	97
85) Indeno(1,2,3-cd)pyrene	17.38	276	170011	5.668	ng	# 89
87) Benzo(b)fluoranthene	15.30	252	559682m	18.557	ng	
88) Benzo(k)fluoranthene	15.33	252	155438m	5.607	ng	
89) Benzo(a)pyrene	15.71	252	339402m	12.567	ng	
91) Benzo(a,h,i)perylene	17.88	276	159094	7.230	ng	# 89

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

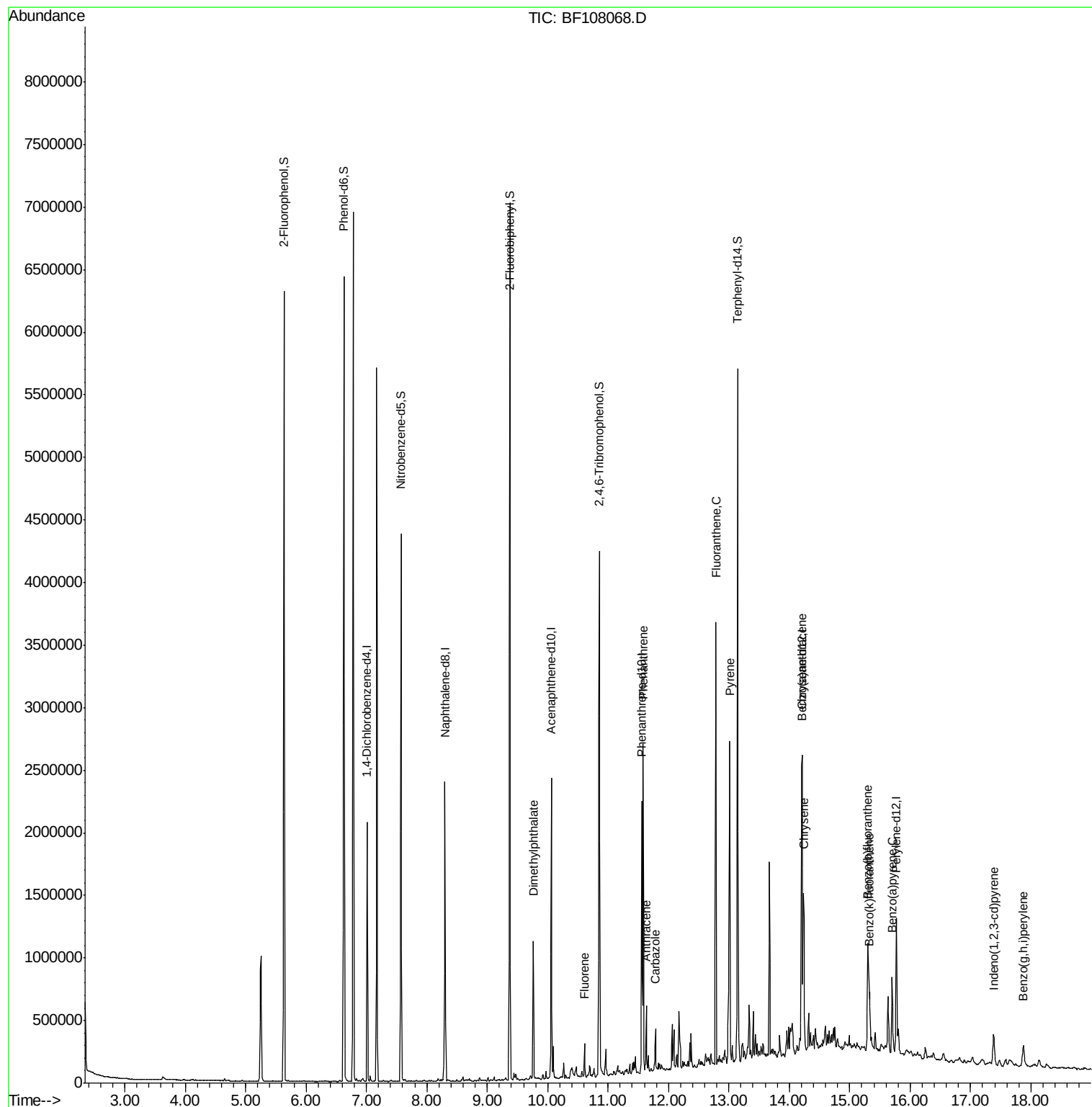
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
Data File : BF108068.D
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Operator : JU/SJ
Sample : J4388-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

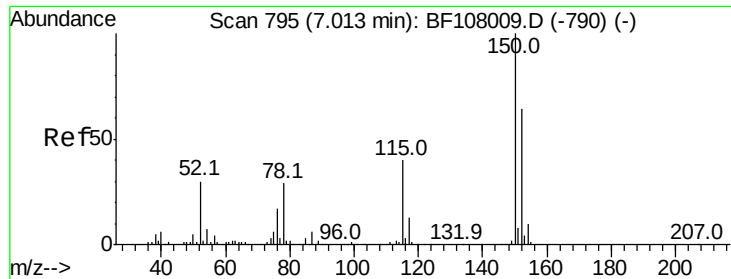
Instrument :
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#1

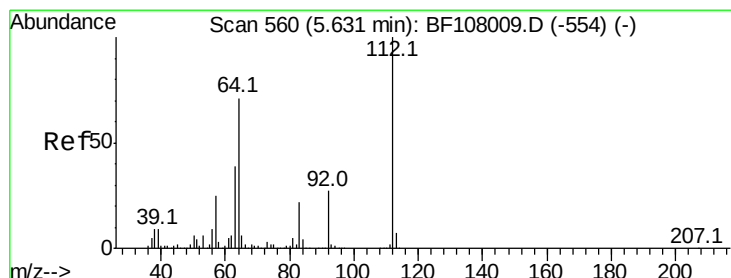
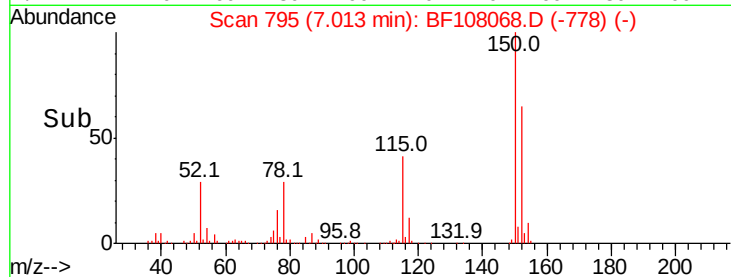
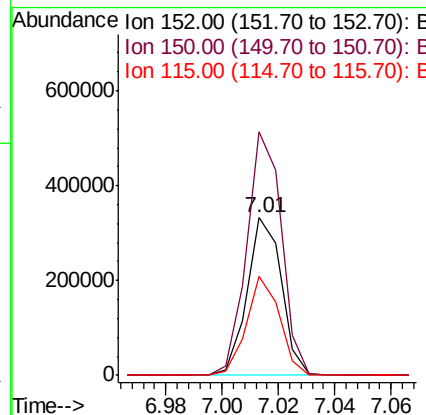
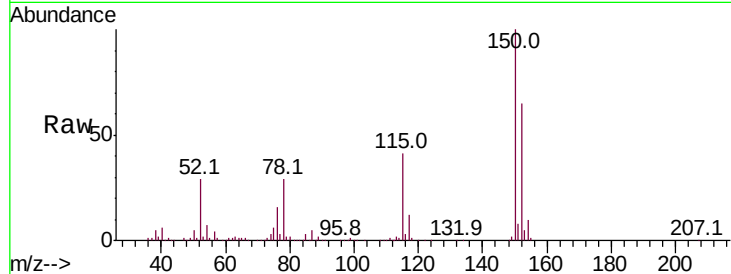
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Instrument :
BNA_F
ClientSampled :
S-3B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	62.9	50.1	75.1

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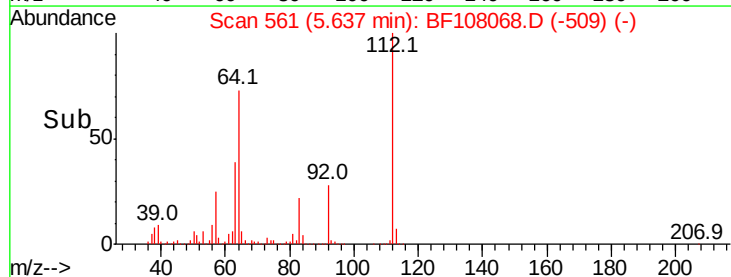
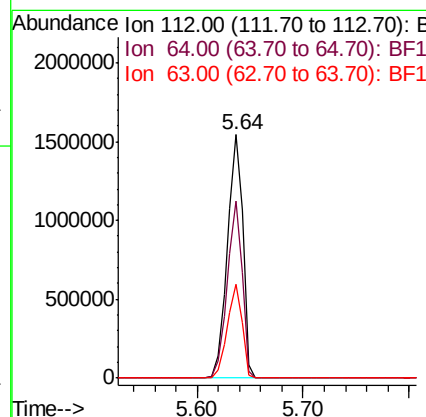
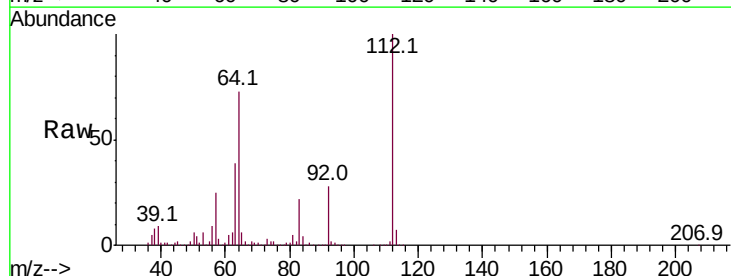
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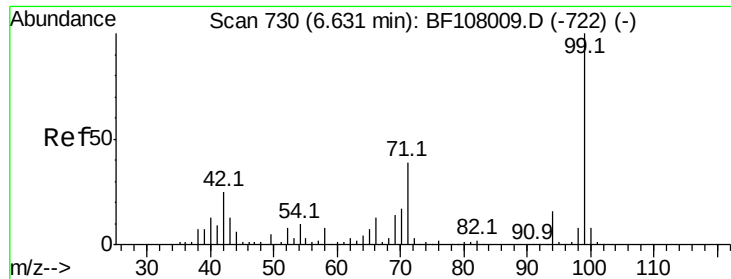


#5

2-Fluorophenol
Concen: 101.793 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	47.9	71.9#
63	38.6	23.7	35.5#





#7

Phenol-d6

Concen: 103.730 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108068.D

Acq: 9 Aug 2018 23:18

Instrument :

BNA_F

ClientSampled :

S-3B

Tot Ion: 99 Resp: 2136505

Ion Ratio Lower Upper

99 100

42 25.0 14.5 21.7#

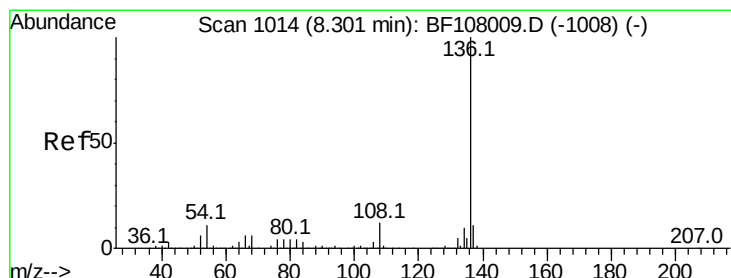
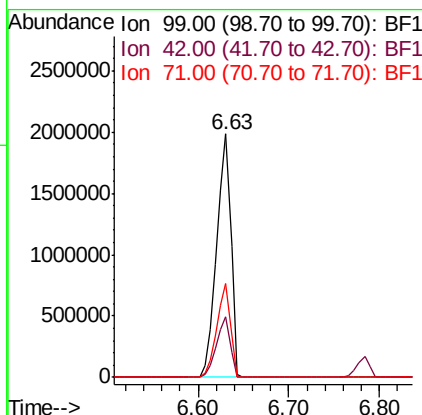
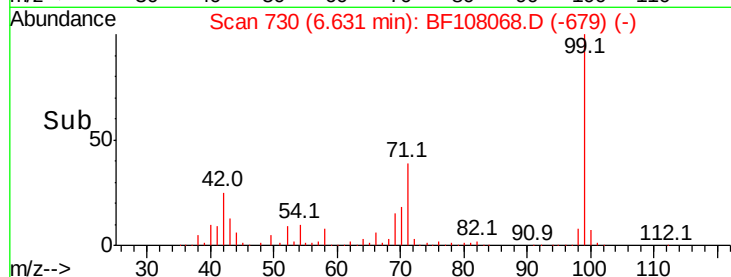
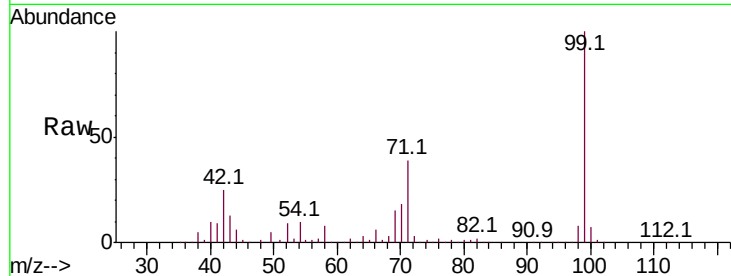
71 38.7 25.4 38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF108068.D

Acq: 9 Aug 2018 23:18

Tgt Ion: 136 Resp: 1026126

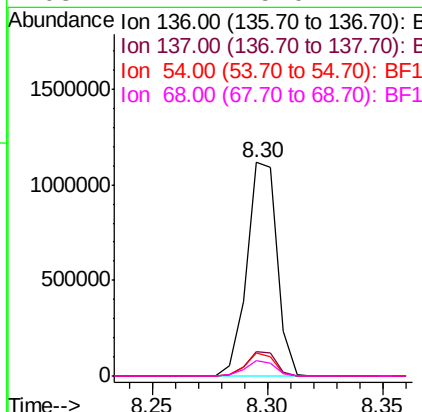
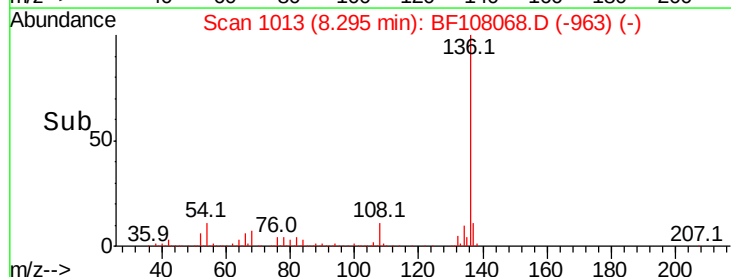
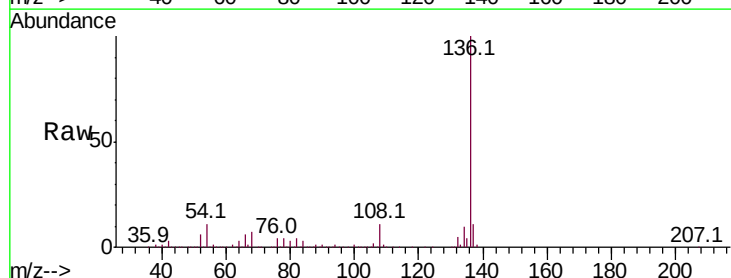
Ion Ratio Lower Upper

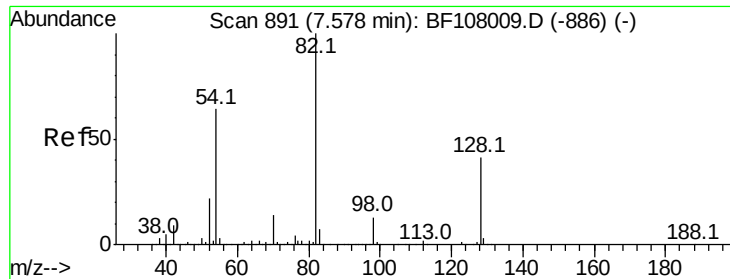
136 100

137 11.3 8.9 13.3

54 11.0 6.6 9.8#

68 7.1 5.0 7.4





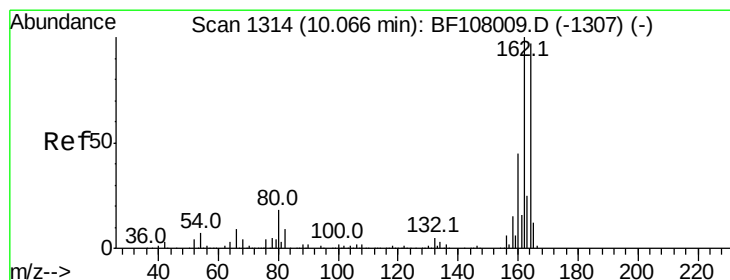
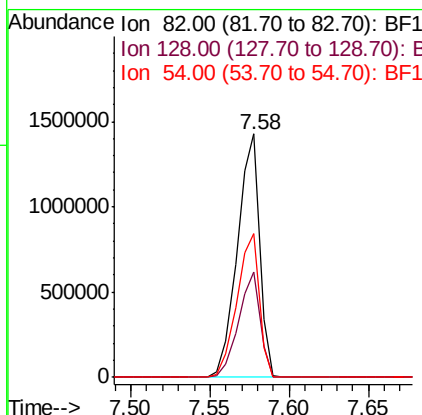
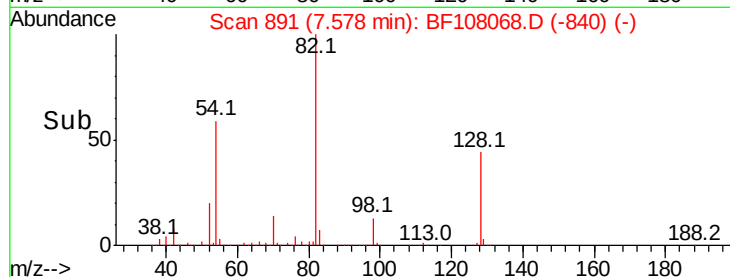
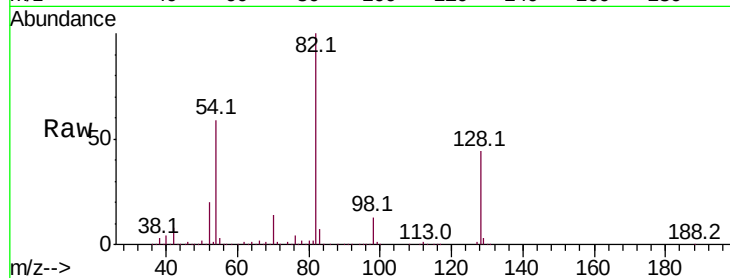
#23
Nitrobenzene-d5
Concen: 74.991 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Instrument :
BNA_F
ClientSampled :
S-3B

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.1	54.1
54	59.2	41.4	62.2

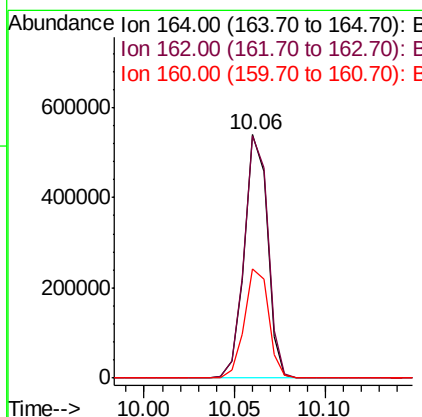
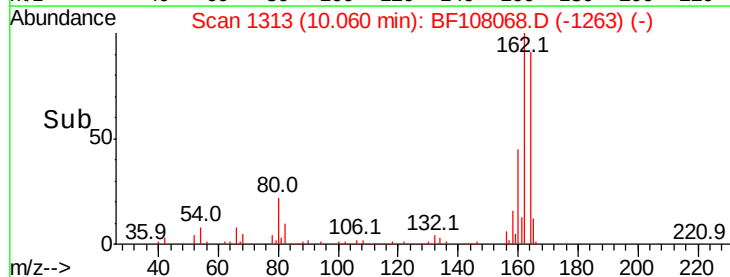
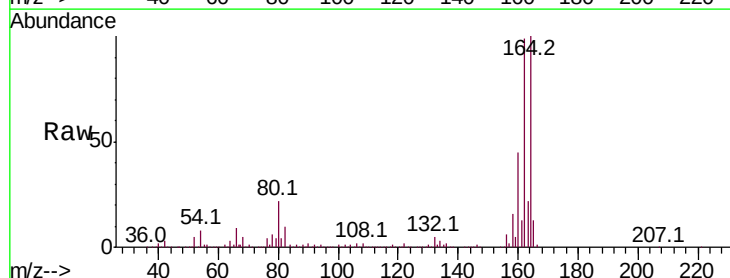
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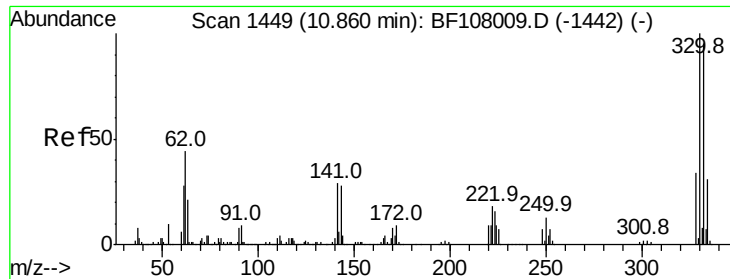
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	86.1	129.1
160	44.9	38.3	57.5





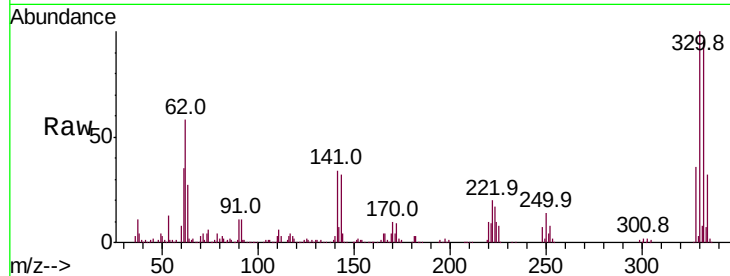
#41
 2,4,6-Tribromophenol
 Concen: 95.880 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108068.D
 Acq: 9 Aug 2018 23:18

Instrument :
 BNA_F
 ClientSampled :
 S-3B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	77.0	115.6	
141	33.7	29.9	44.9	

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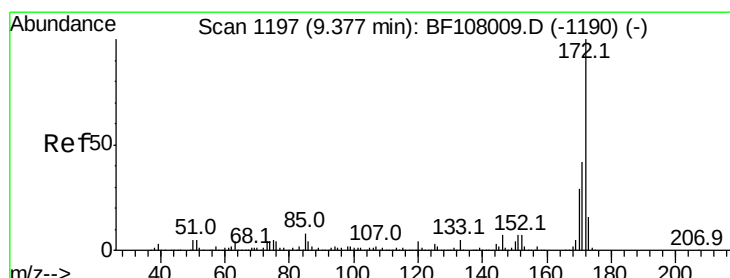
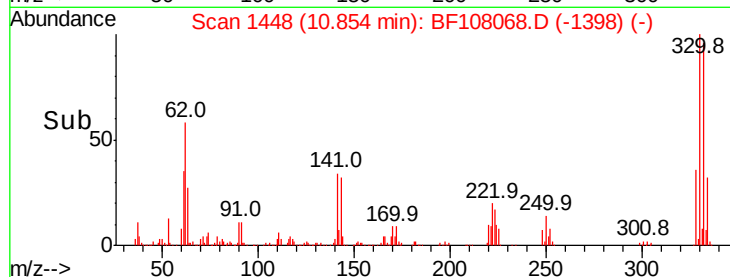
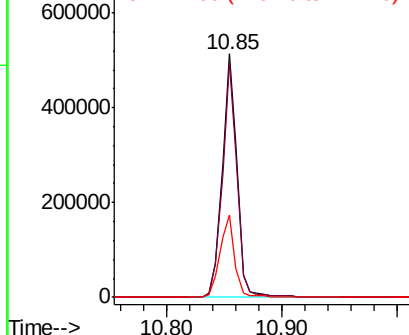


Abundance

Ion 329.80 (329.50 to 330.50): E

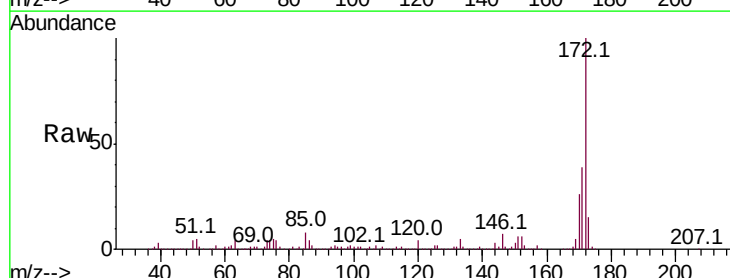
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 72.686 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108068.D
 Acq: 9 Aug 2018 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	39.3	29.7	44.5	
170	26.3	19.6	29.4	

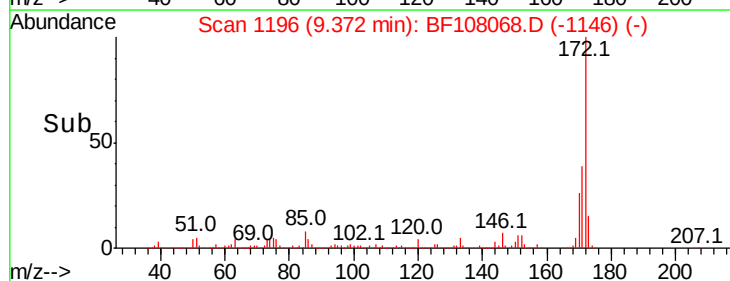
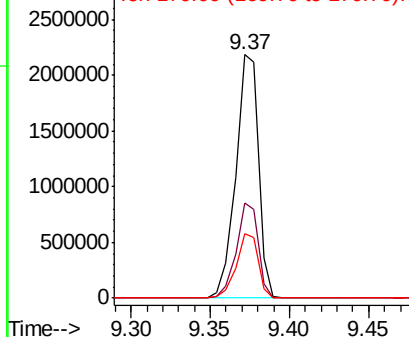


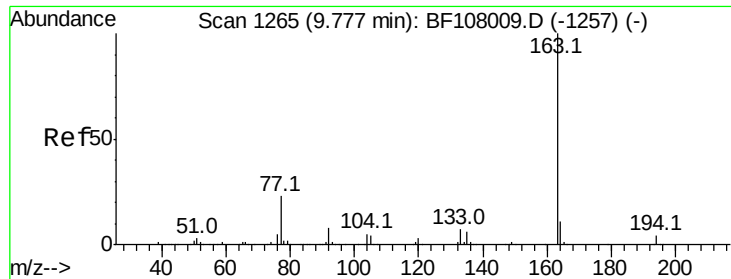
Abundance

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





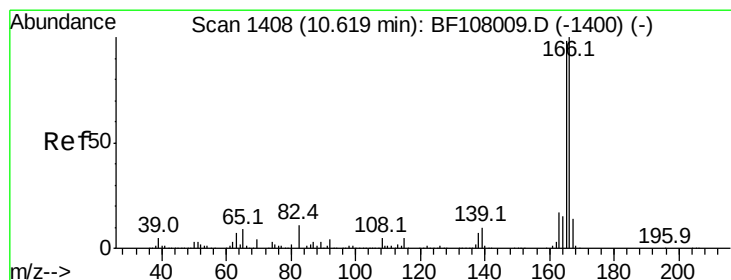
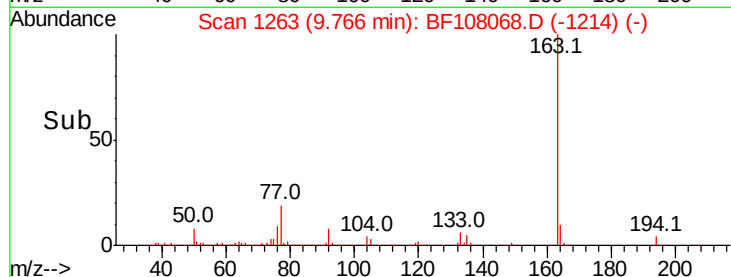
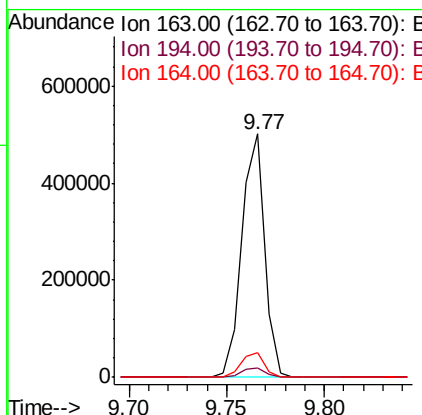
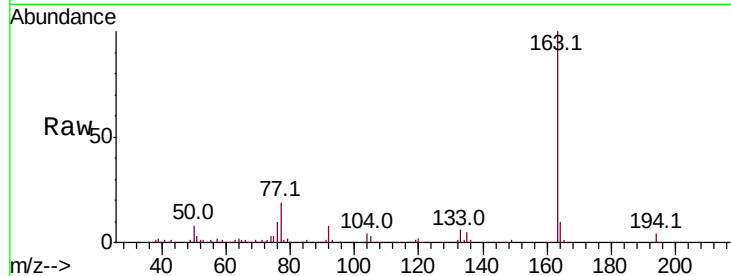
#49
Dimethylphthalate
Concen: 12.199 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Instrument :
BNA_F
ClientSampled :
S-3B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	406949		
194	4.0		2.7	4.1
164	10.0		8.2	12.2

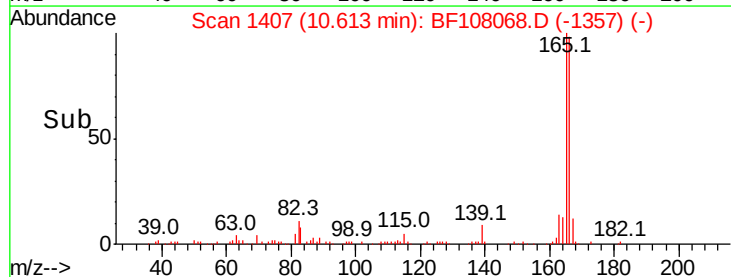
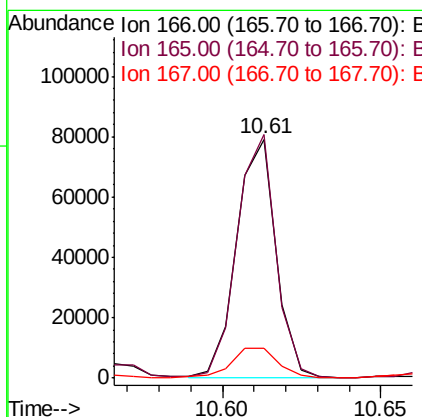
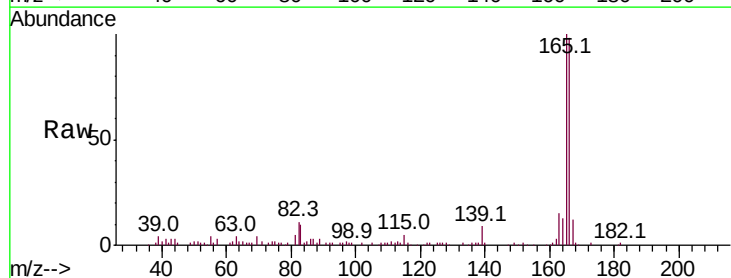
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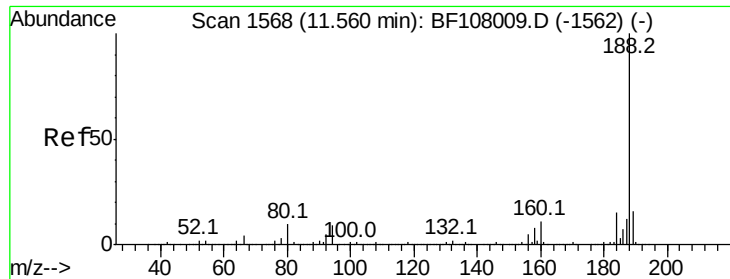
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#57
Fluorene
Concen: 2.198 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	68121		
165	101.8		79.8	119.8
167	12.6		10.6	16.0





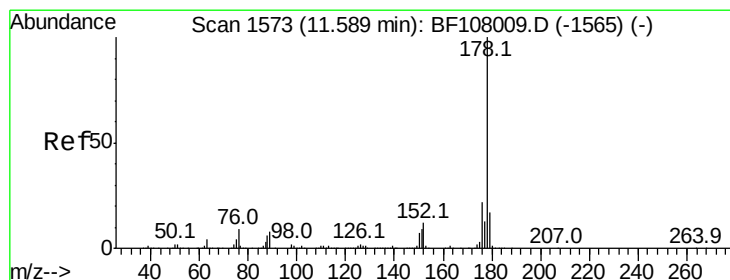
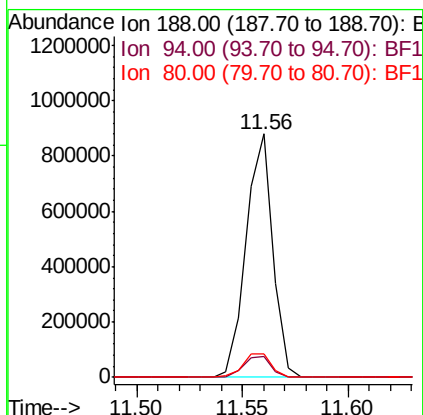
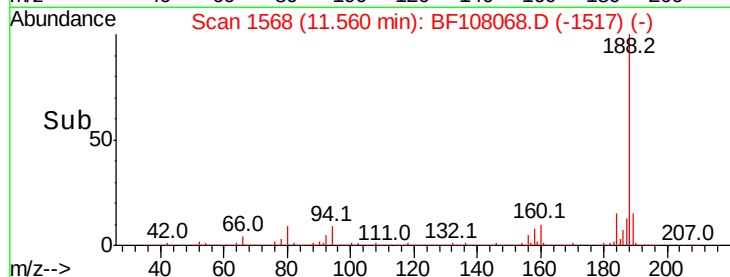
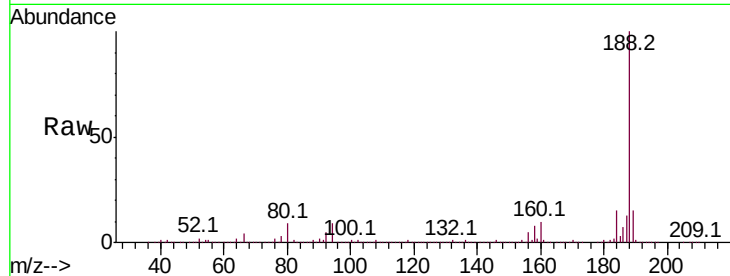
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Instrument :
BNA_F
ClientSampled :
S-3B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.4	9.2	13.8

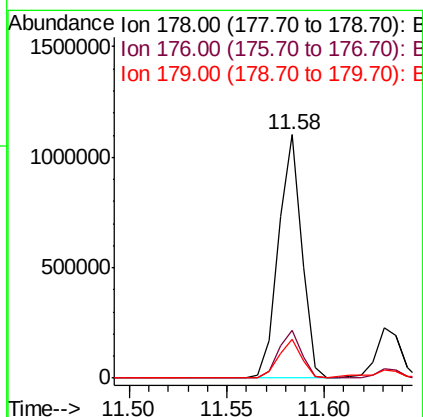
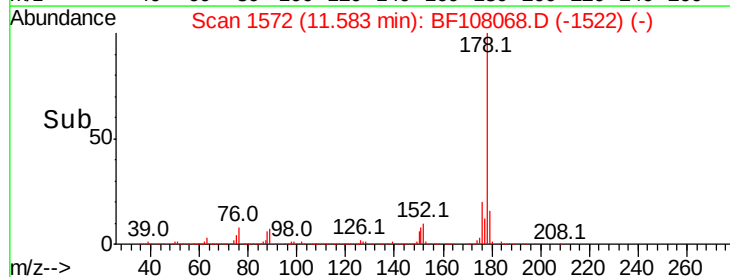
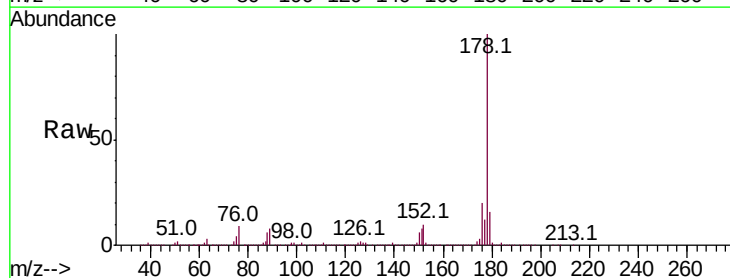
Manual Integrations
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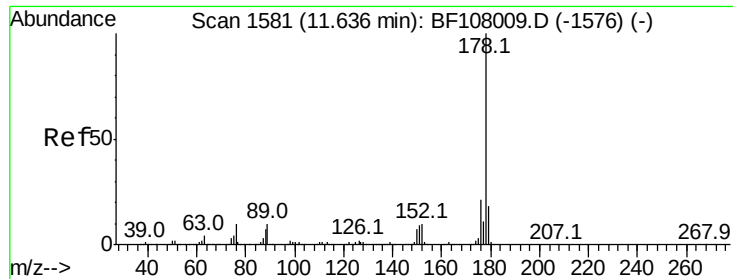
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#70
Phenanthrene
Concen: 25.019 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.9	13.0	19.6





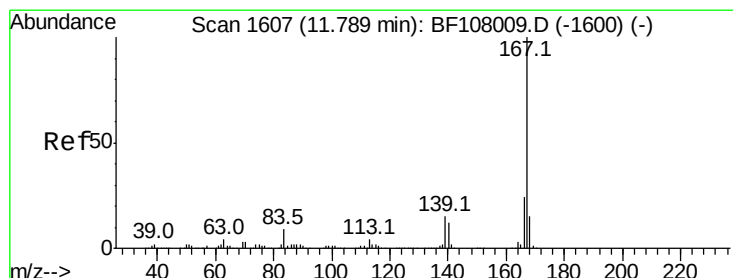
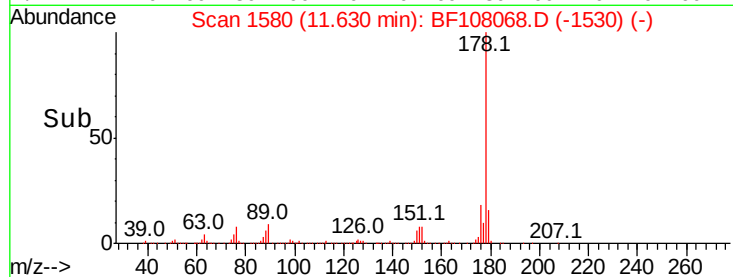
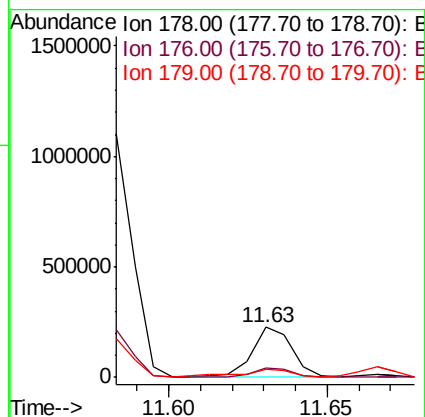
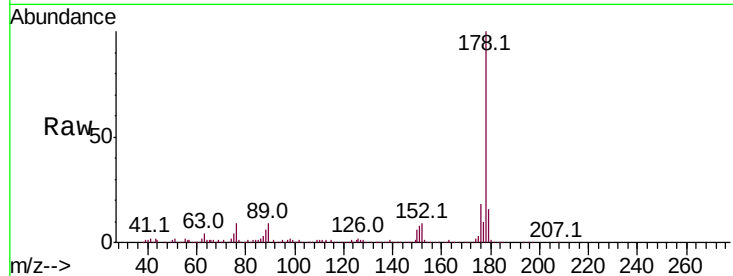
#71
 Anthracene
 Concen: 5.163 ng
 RT: 11.63 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: BF108068.D
 Acq: 9 Aug 2018 23:18

Instrument :
 BNA_F
 ClientSampled :
 S-3B

Tot Ion:	178	Resp:	192077
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.4	23.2
179	16.3	12.6	19.0

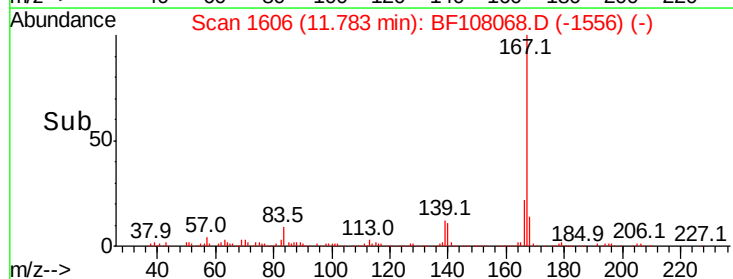
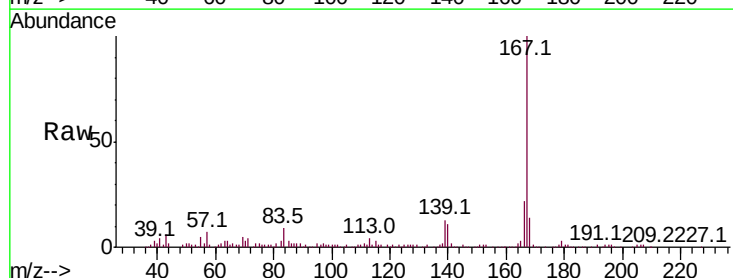
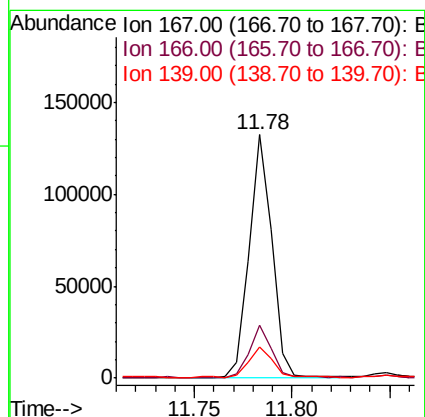
Manual Integrations
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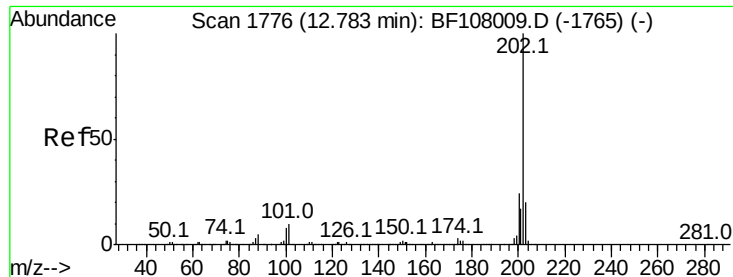
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#72
 Carbazole
 Concen: 3.259 ng
 RT: 11.78 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BF108068.D
 Acq: 9 Aug 2018 23:18

Tgt Ion:	167	Resp:	107705
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	12.7	10.9	16.3





#74

Fluoranthene

Concen: 33.237 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108068.D

Acq: 9 Aug 2018 23:18

Instrument :

BNA_F

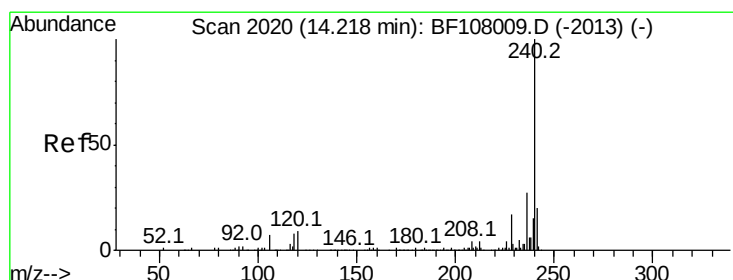
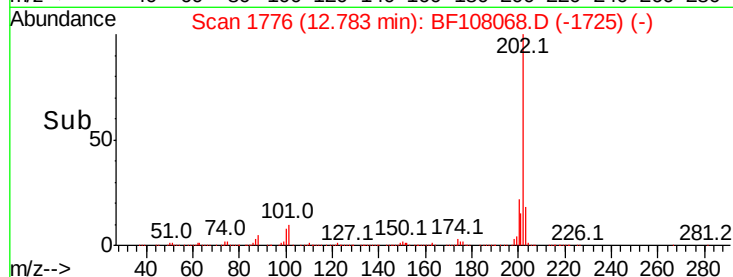
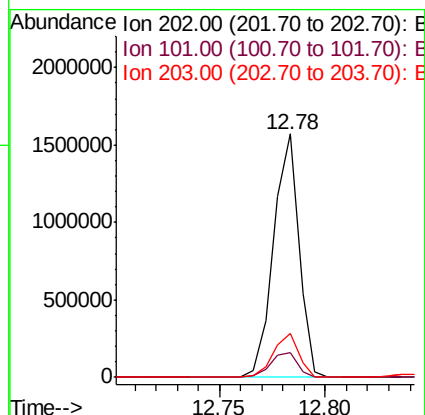
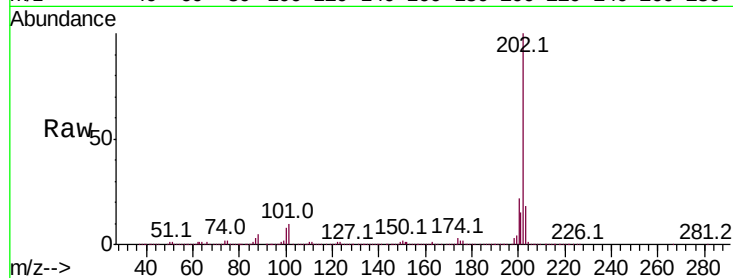
ClientSampleId :

S-3B

Tot Ion:	202	Resp:	1316581
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	34.1
203	18.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

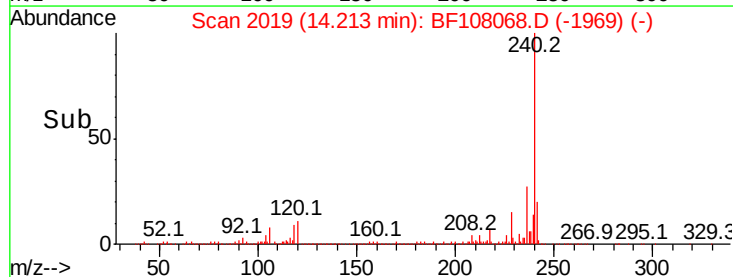
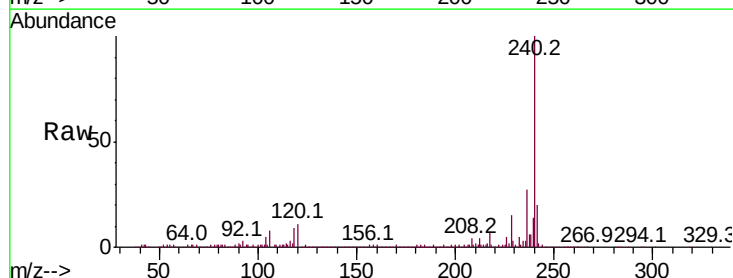
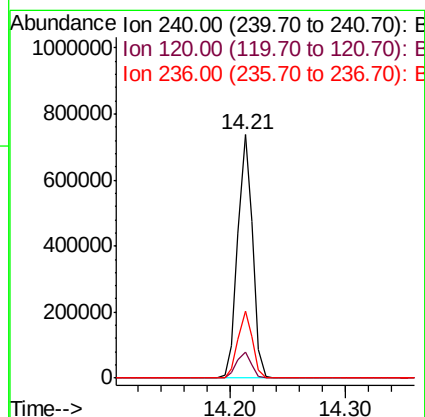
RT: 14.21 min Scan# 2019

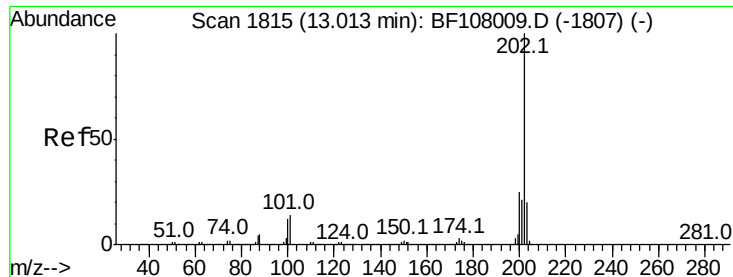
Delta R.T. -0.01 min

Lab File: BF108068.D

Acq: 9 Aug 2018 23:18

Tgt Ion:	240	Resp:	657922
Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	27.4	20.7	31.1





#77

Pvrene

Concen: 25.912 ng

RT: 13.01 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF108068.D

Acq: 9 Aug 2018 23:18

Instrument :

BNA_F

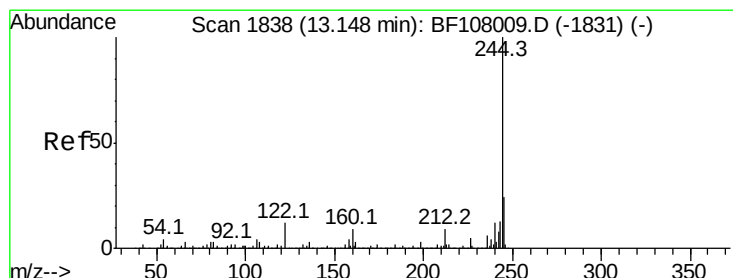
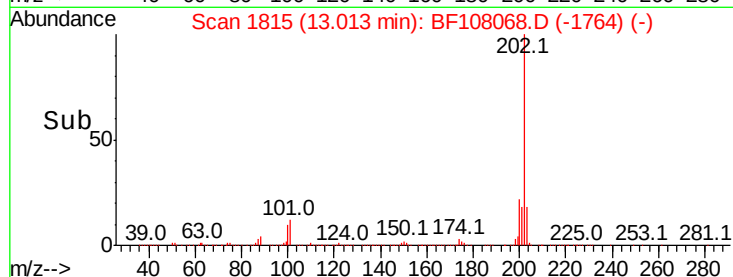
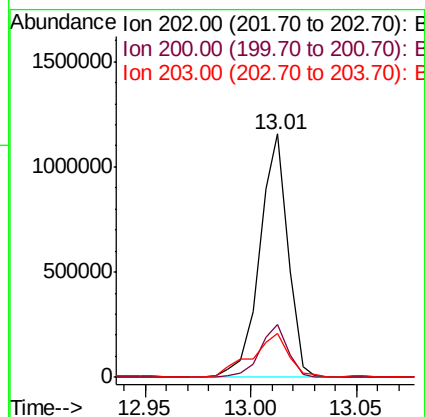
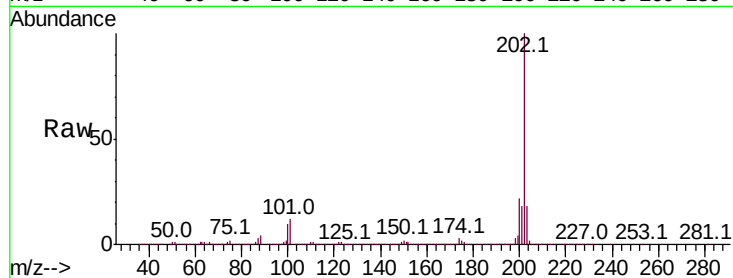
ClientSampleId :

S-3B

Tot Ion:	202	Resp:	1079320
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.2	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 69.309 ng

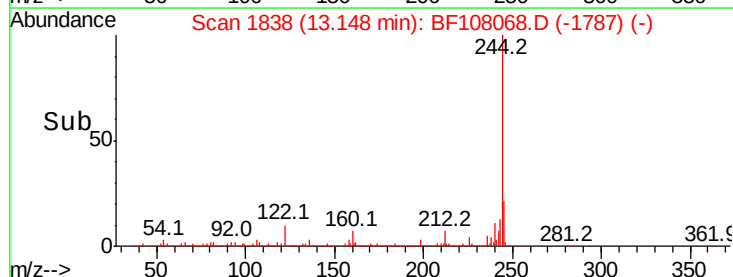
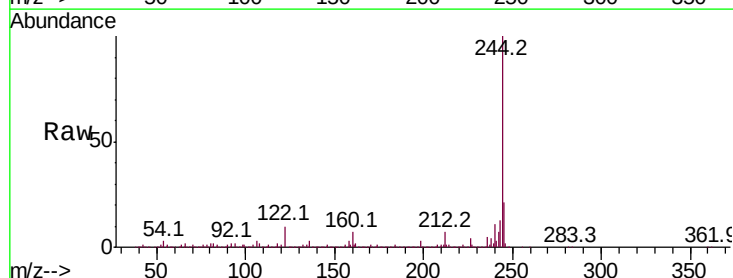
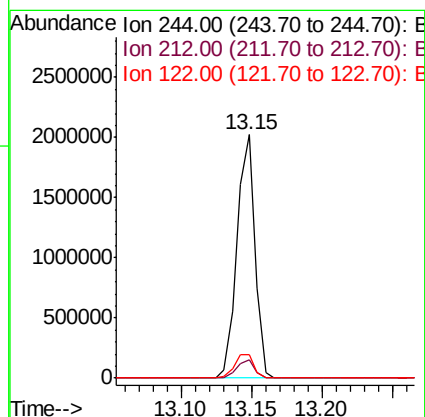
RT: 13.15 min Scan# 1838

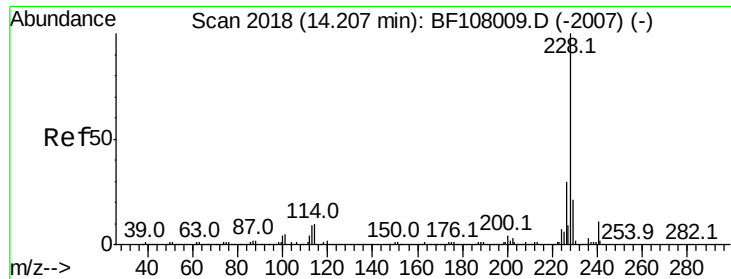
Delta R.T. 0.00 min

Lab File: BF108068.D

Acq: 9 Aug 2018 23:18

Tgt Ion:	244	Resp:	1793455
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.4	8.0
122	9.9	11.0	16.4#





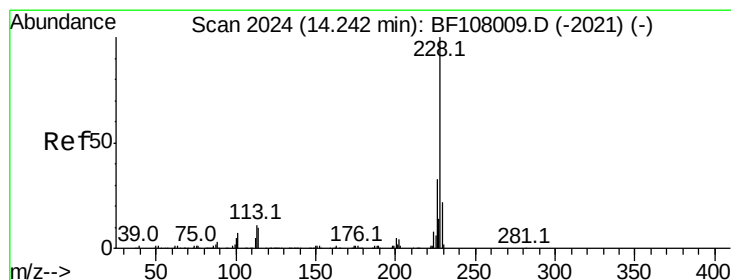
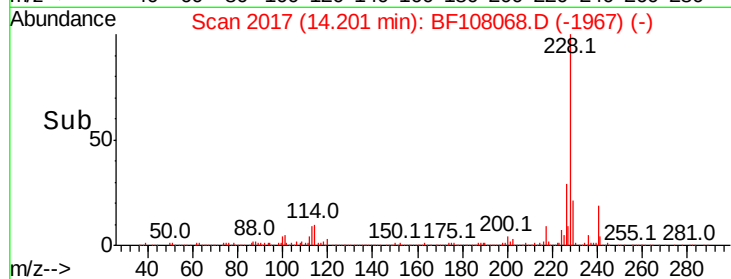
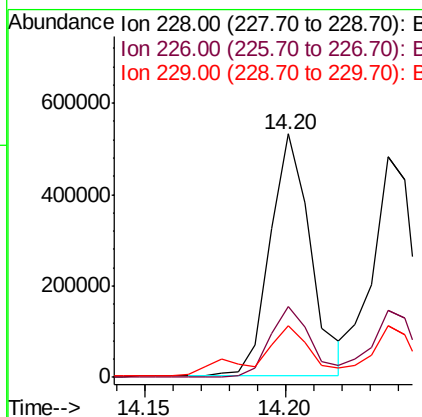
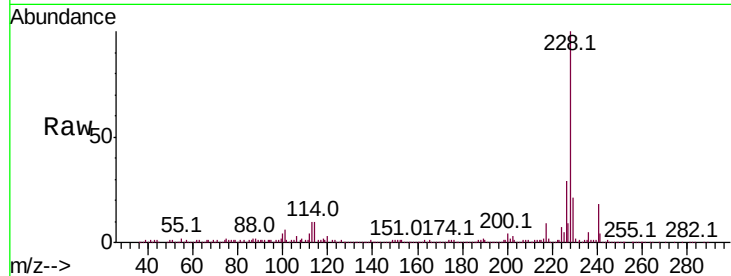
#80
Benzo(a)anthracene
Concen: 14.000 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Instrument :
BNA_F
ClientSampled :
S-3B

Tot Ion	Ratio	Resp	Lower	Upper
228	100	528601		
226	29.0		22.6	33.8
229	21.1		15.8	23.6

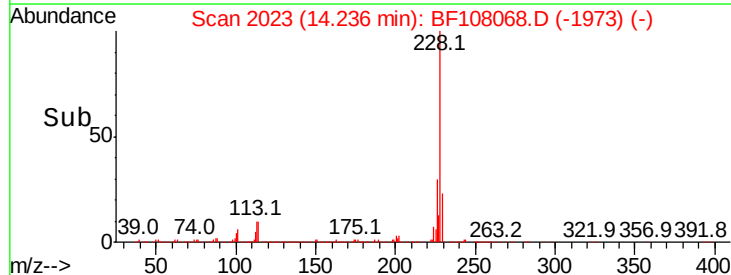
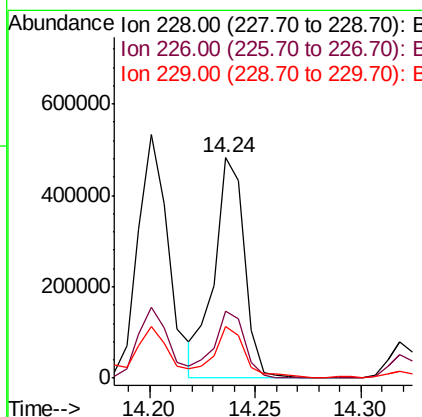
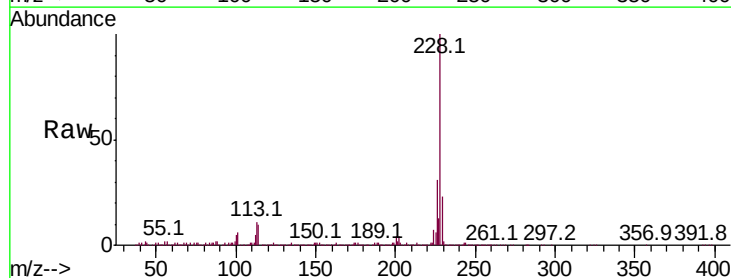
Manual Integrations
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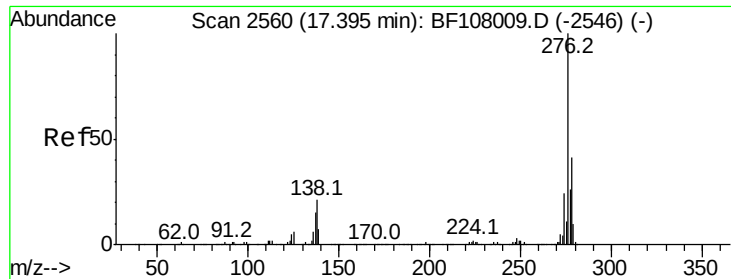
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#82
Chrysene
Concen: 13.715 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	474763		
226	30.6		25.0	37.6
229	23.4		16.2	24.4





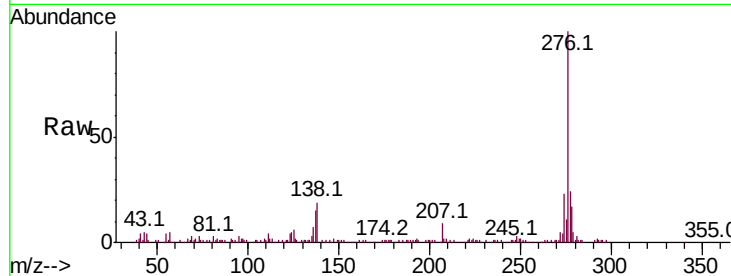
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.668 ng
RT: 17.38 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Instrument :
BNA_F
ClientSampled :
S-3B

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.8	25.0	37.6#
277	25.4	20.1	30.1

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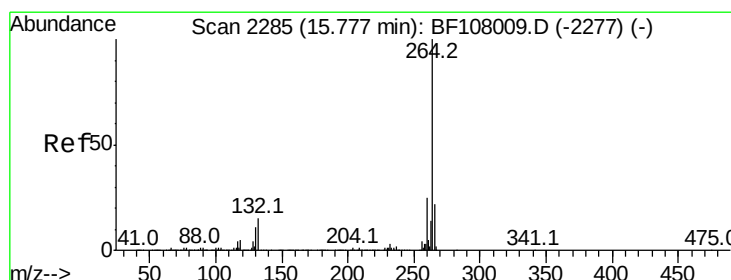
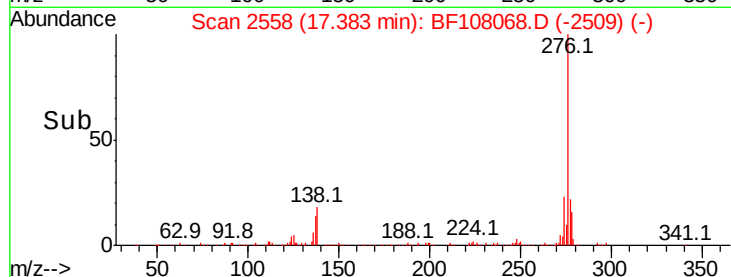
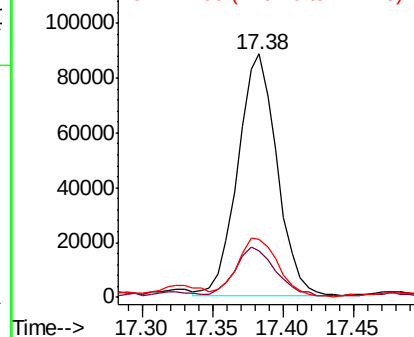


Abundance

Ion 276.00 (275.70 to 276.70): E

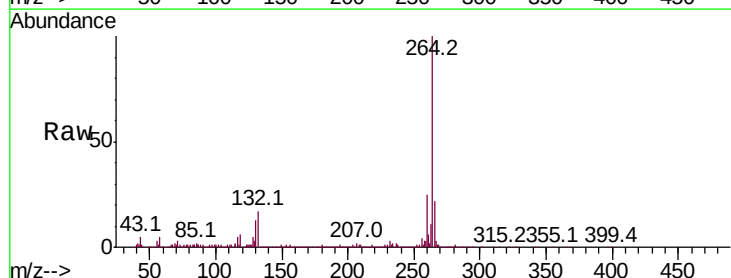
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.77 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.1	17.5	26.3

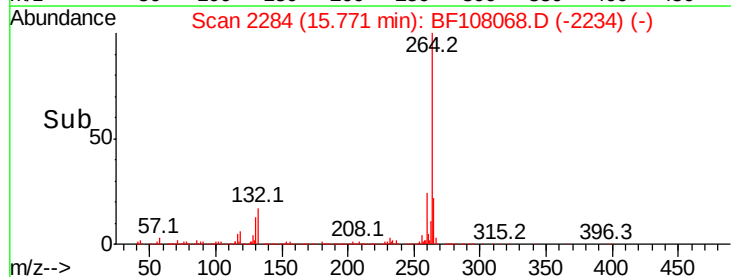
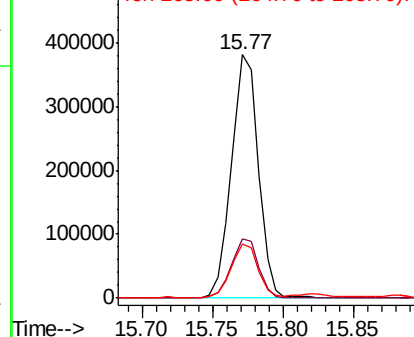


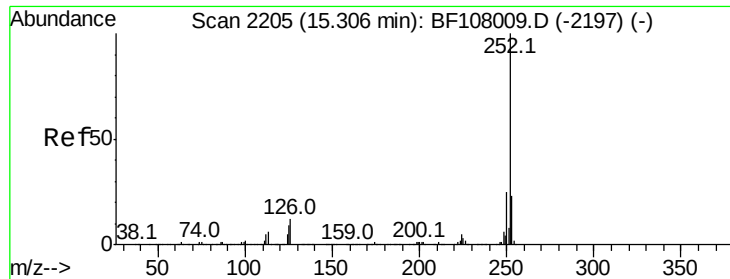
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.557 ng m

RT: 15.30 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF108068.D

Acq: 9 Aug 2018 23:18

Instrument :

BNA_F

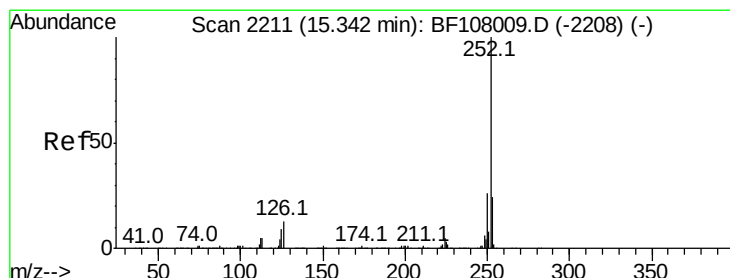
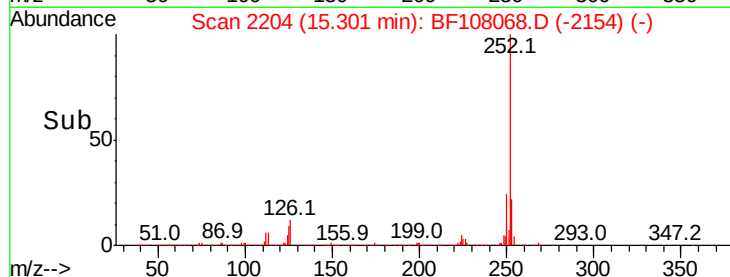
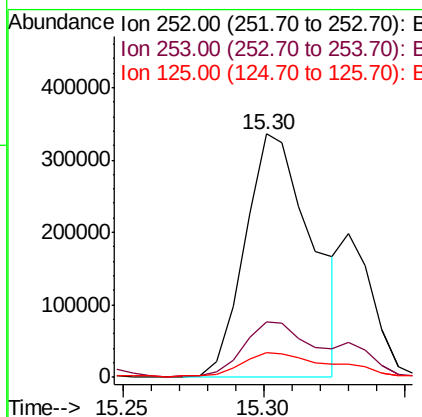
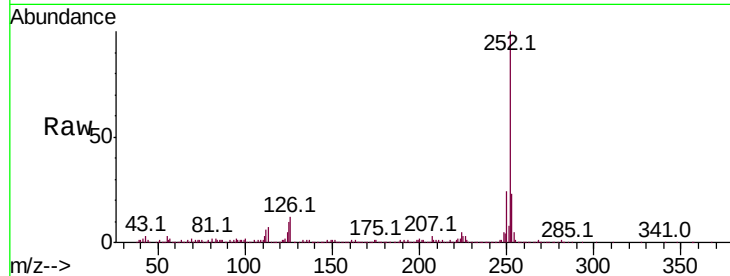
ClientSampled :

S-3B

Tot Ion:	252	Resp:	559682
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	10.0	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.607 ng m

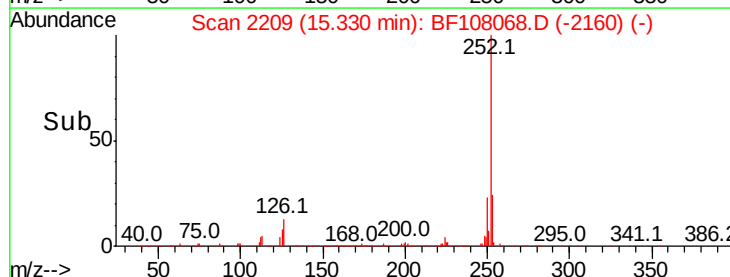
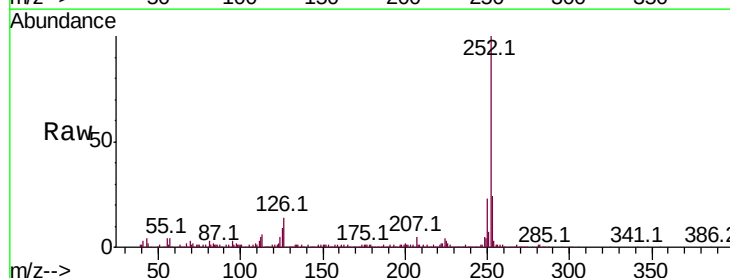
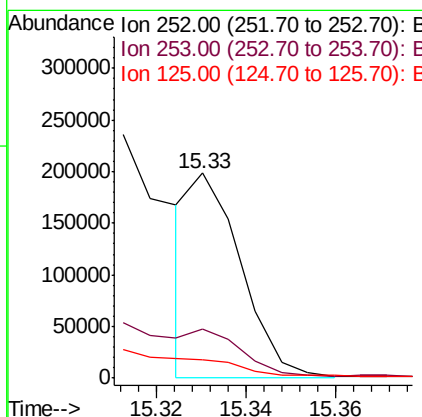
RT: 15.33 min Scan# 2209

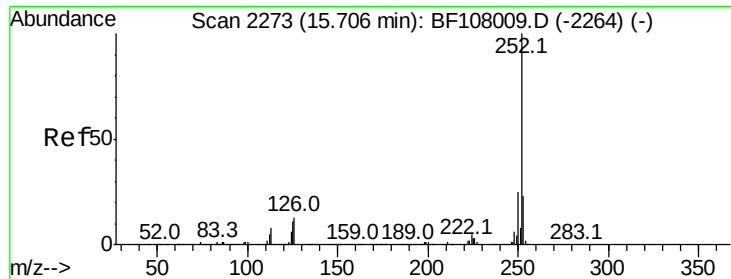
Delta R.T. -0.01 min

Lab File: BF108068.D

Acq: 9 Aug 2018 23:18

Tgt Ion:	252	Resp:	155438
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	9.2	10.2	15.2#





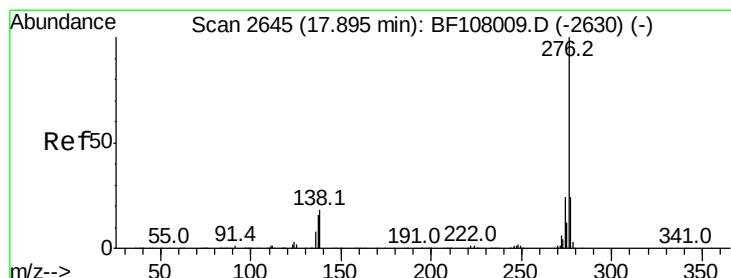
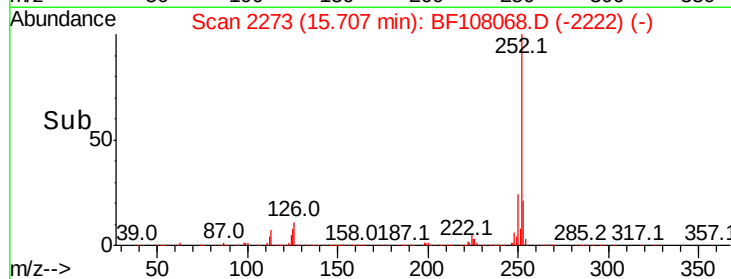
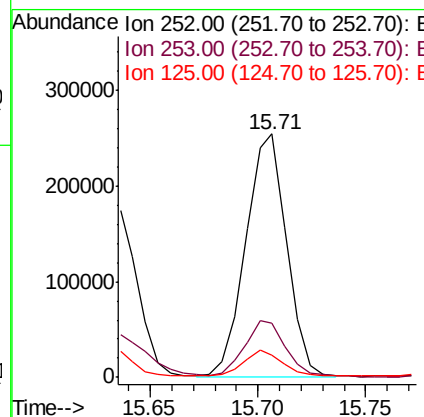
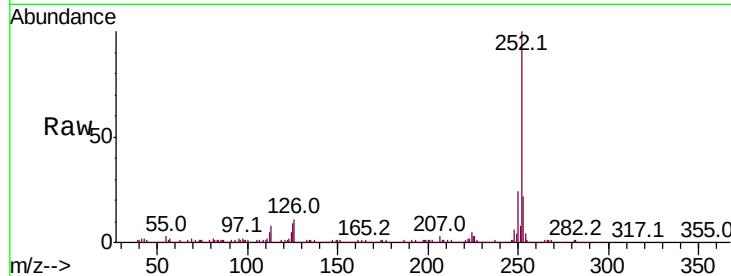
#89
Benzo(a)pyrene
Concen: 12.567 ng m
RT: 15.71 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Instrument :
BNA_F
ClientSampleId :
S-3B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	8.9	9.8	14.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.230 ng
RT: 17.88 min Scan# 2642
Delta R.T. -0.02 min
Lab File: BF108068.D
Acq: 9 Aug 2018 23:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	17.8	21.8	32.8#

