

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108062.D
 Acq On : 9 Aug 2018 19:39
 Operator : JU/SJ
 Sample : J4388-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2A

Manual Integrations
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Sohil
 8/10/2018 12:13:26 PM

Quant Time: Aug 10 02:26:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	270787	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	954038	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	419031	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	661180	20.00	ng	0.00
75) Chrysene-d12	14.21	240	627494	20.00	ng	0.00
86) Perylene-d12	15.78	264	467833	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	1593850	106.56	ng	0.01
7) Phenol-d6	6.63	99	2140247	107.68	ng	0.00
23) Nitrobenzene-d5	7.58	82	1371539	80.22	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	400437	95.80	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2069040	79.27	ng	0.00
78) Terphenyl-d14	13.15	244	1718503	69.63	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.77	163	296878	10.171	ng	99
70) Phenanthrene	11.58	178	290418	9.313	ng	99
71) Anthracene	11.63	178	101647	3.180	ng	97
74) Fluoranthene	12.78	202	417421	12.264	ng	96
77) Pyrene	13.01	202	352337	8.869	ng	99
80) Benzo(a)anthracene	14.20	228	199033	5.527	ng	99
82) Chrysene	14.24	228	171050	5.181	ng	96
87) Benzo(b)fluoranthene	15.30	252	167717m	6.000	ng	
88) Benzo(k)fluoranthene	15.33	252	51567m	2.007	ng	
89) Benzo(a)pyrene	15.71	252	107705	4.303	ng	98
91) Benzo(g,h,i)perylene	17.88	276	41786	2.049	ng	# 87

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

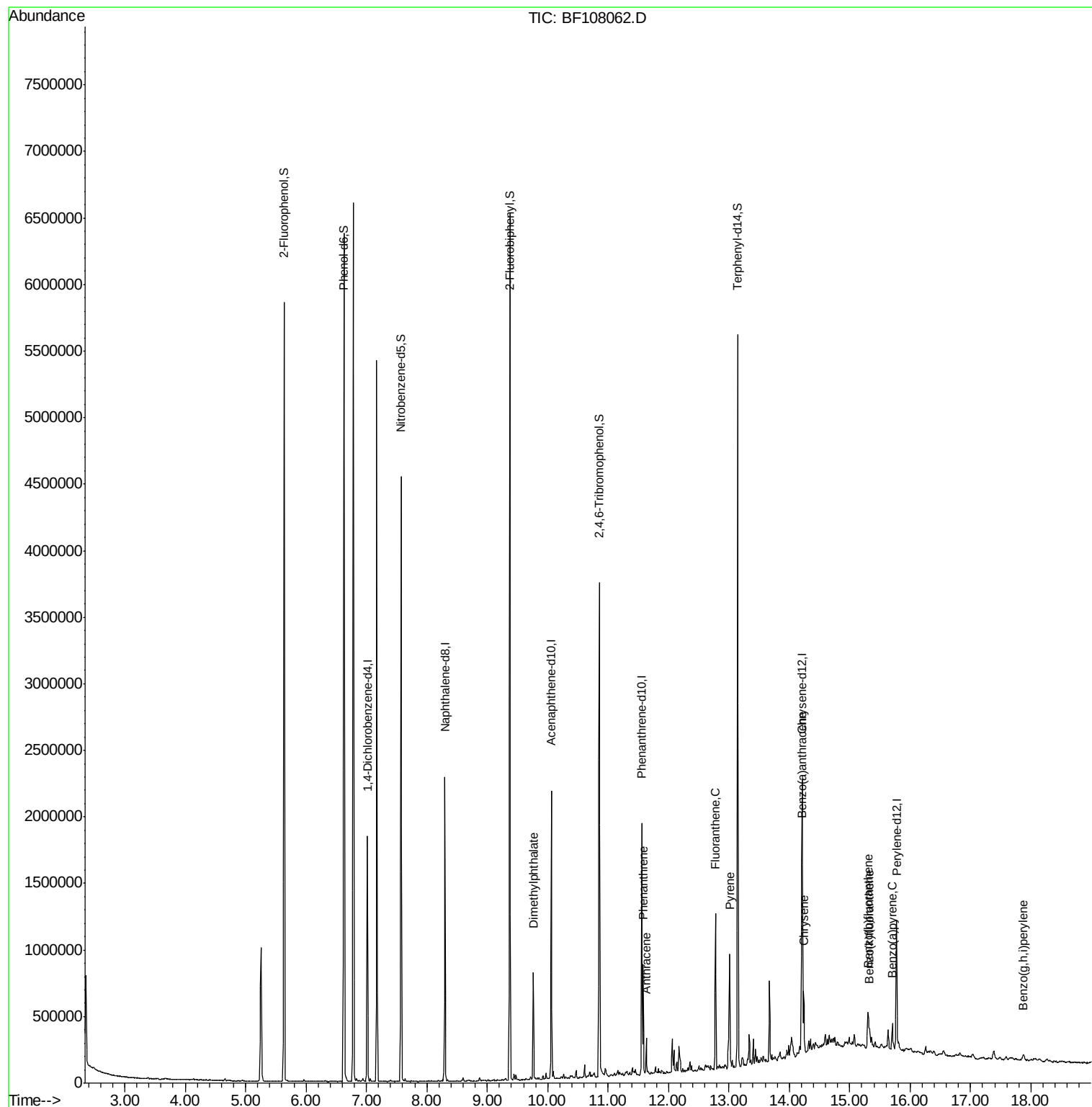
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
Data File : BF108062.D
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Sample : J4388-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

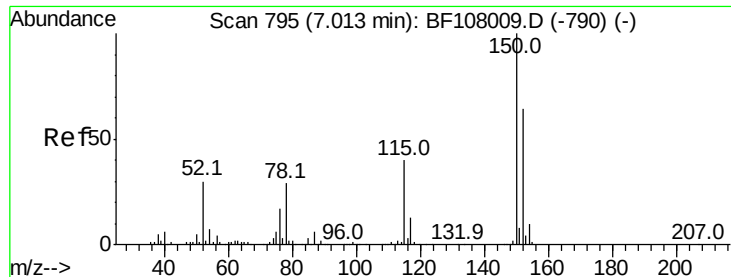
Instrument :
BNA_F
ClientSampleId :
S-2A

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#1

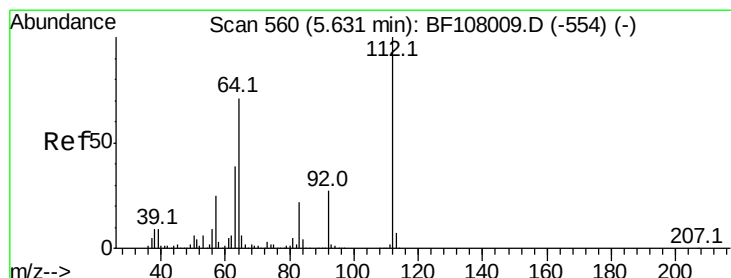
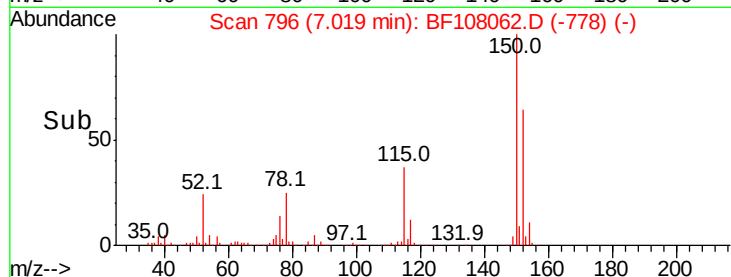
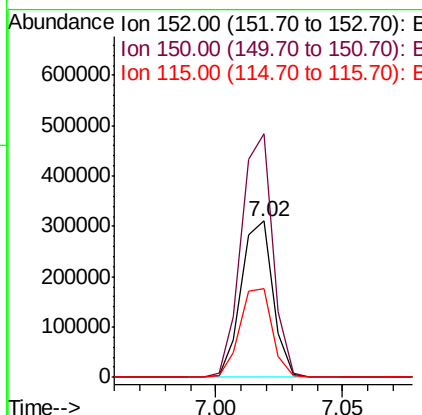
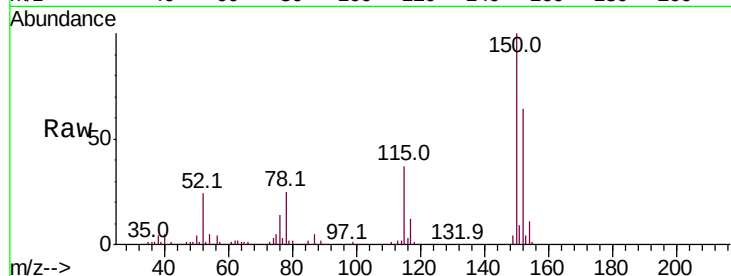
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Instrument :
BNA_F
ClientSampled :
S-2A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	56.9	50.1	75.1

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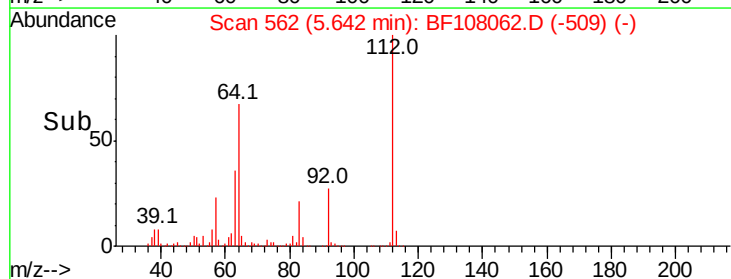
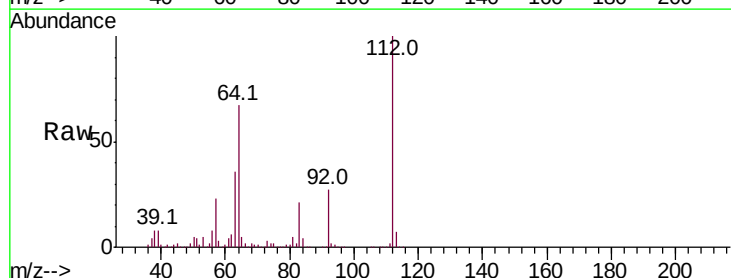
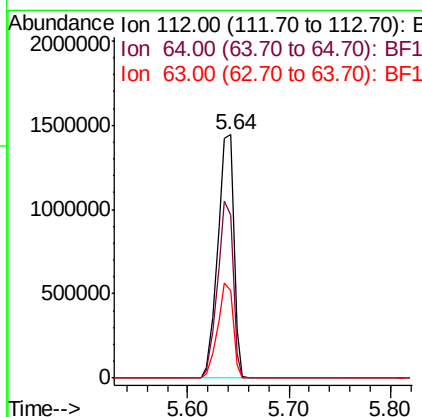
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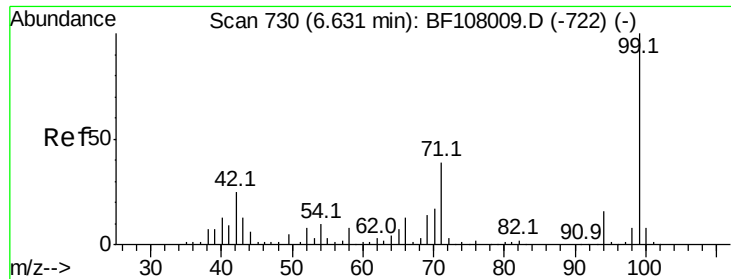


#5

2-Fluorophenol
Concen: 106.563 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	35.9	23.7	35.5#





#7

Phenol-d6

Concen: 107.682 ng

RT: 6.63 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Instrument :

BNA_F

ClientSampled :

S-2A

Tot Ion: 99 Resp: 2140247

Ion Ratio Lower Upper

99 100

42 26.1 14.5 21.7#

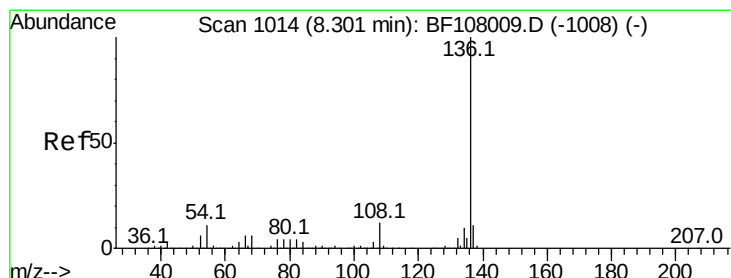
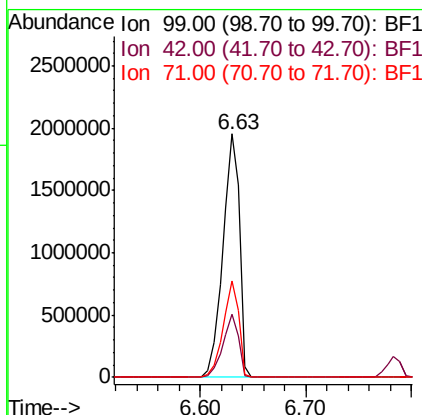
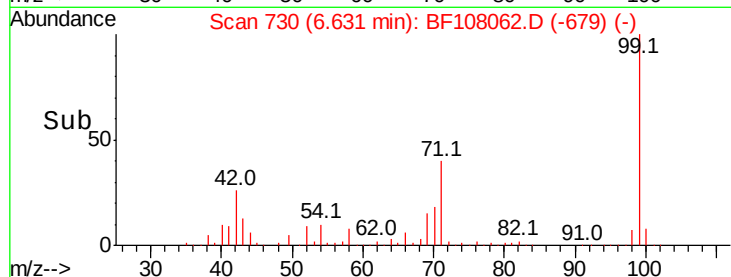
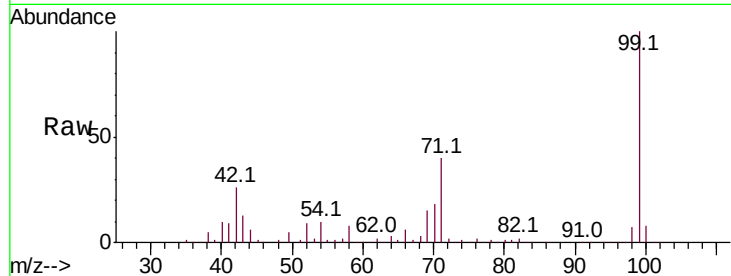
71 39.6 25.4 38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Tgt Ion: 136 Resp: 954038

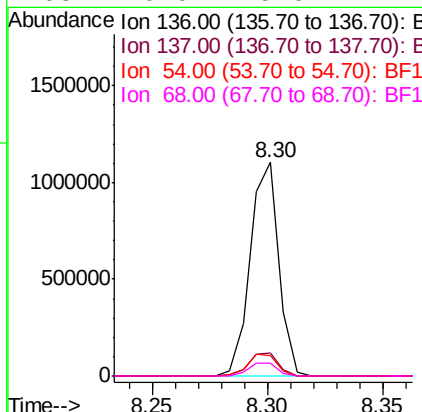
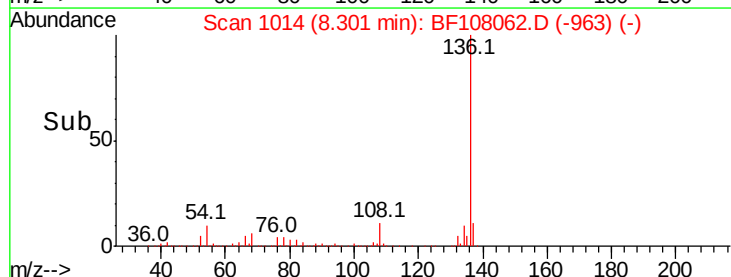
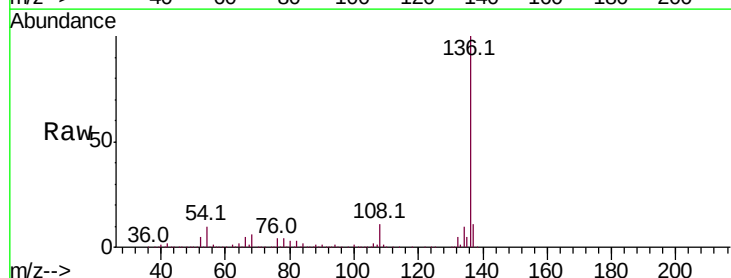
Ion Ratio Lower Upper

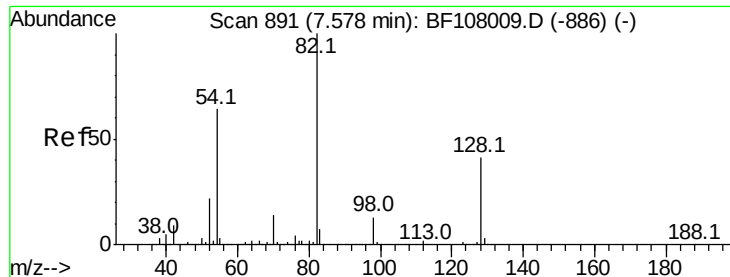
136 100

137 11.0 8.9 13.3

54 9.6 6.6 9.8

68 6.0 5.0 7.4





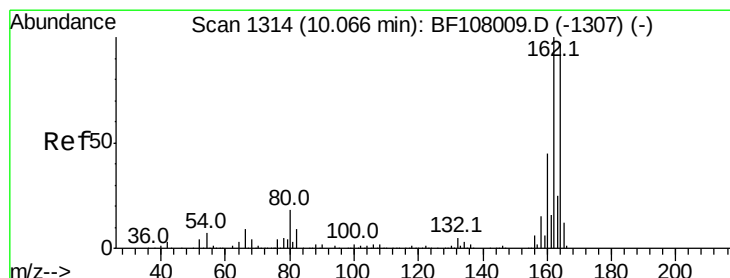
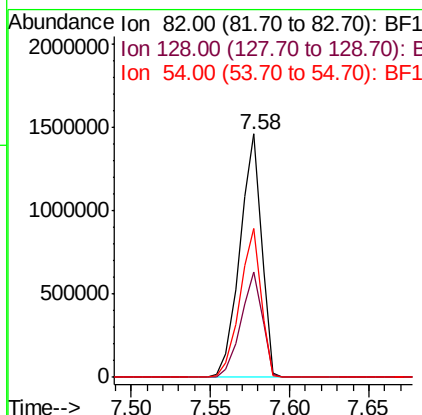
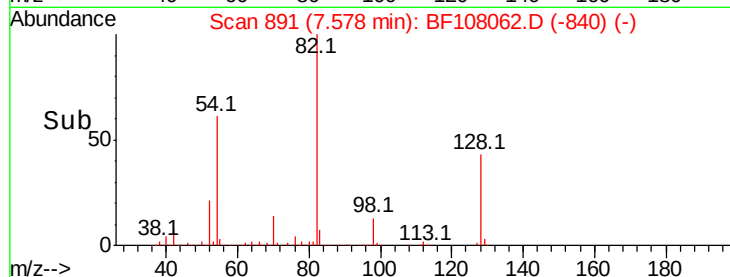
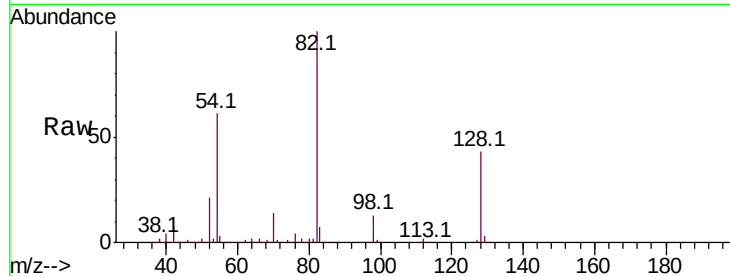
#23
 Nitrobenzene-d5
 Concen: 80.221 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Instrument :
 BNA_F
 ClientSampleId :
 S-2A

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	61.2	41.4	62.2

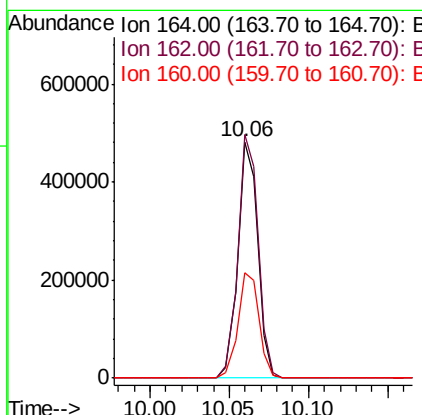
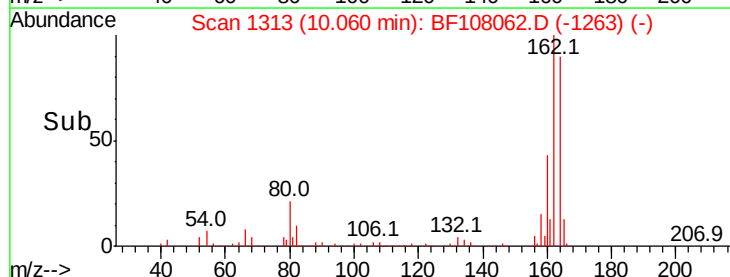
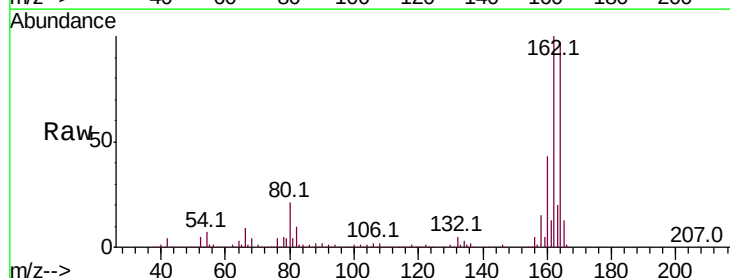
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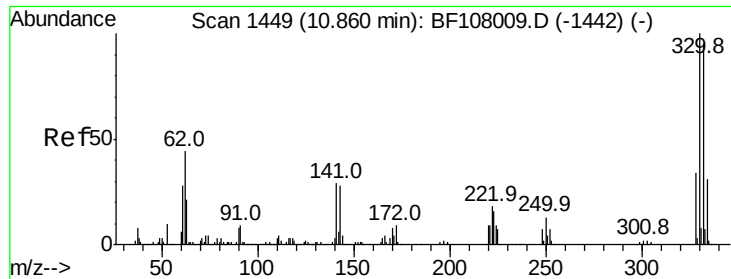
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	44.4	38.3	57.5





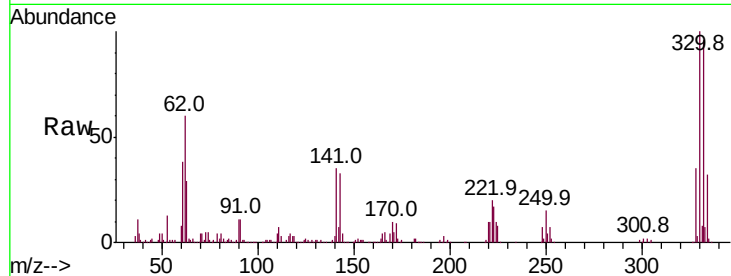
#41
 2,4,6-Tribromophenol
 Concen: 95.805 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Instrument :
 BNA_F
 ClientSampled :
 S-2A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	400437		
332	96.2	77.0	115.6	
141	34.0	29.9	44.9	

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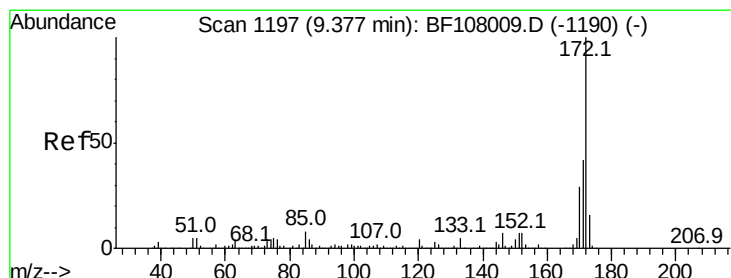
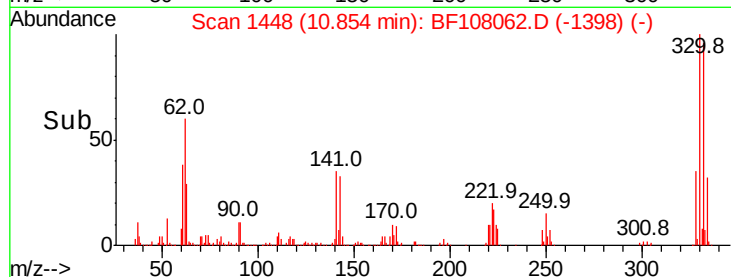
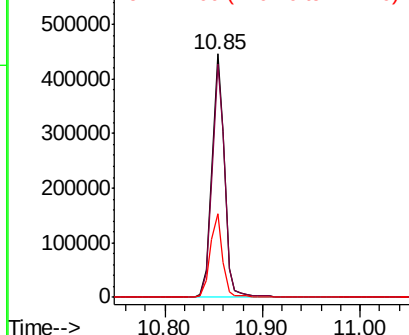


Abundance

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: 79.273 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

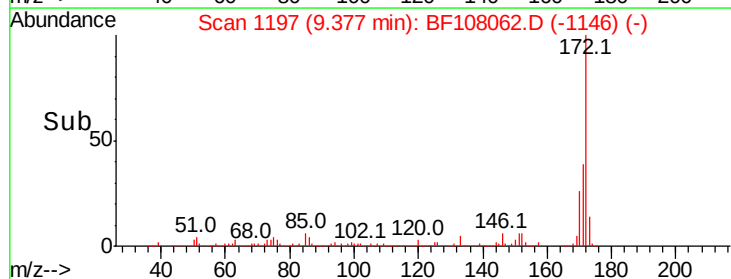
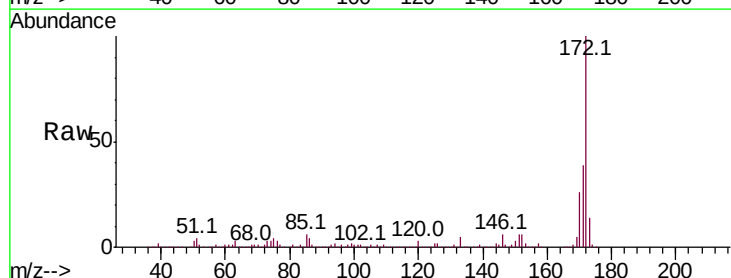
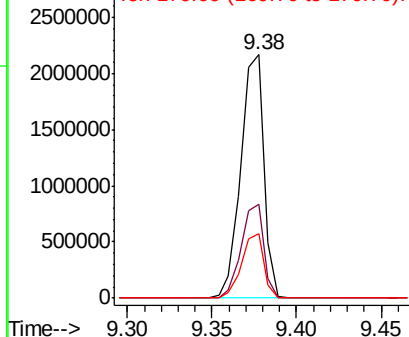
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2069040		
171	38.7	29.7	44.5	
170	26.3	19.6	29.4	

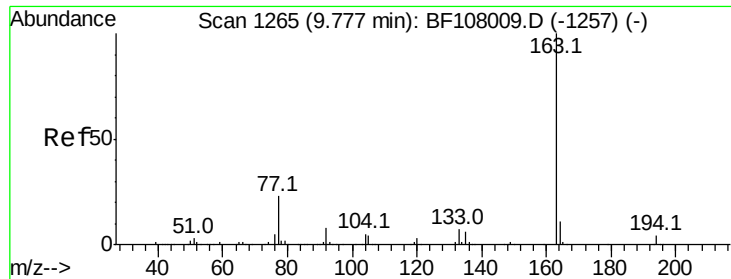
Abundance

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





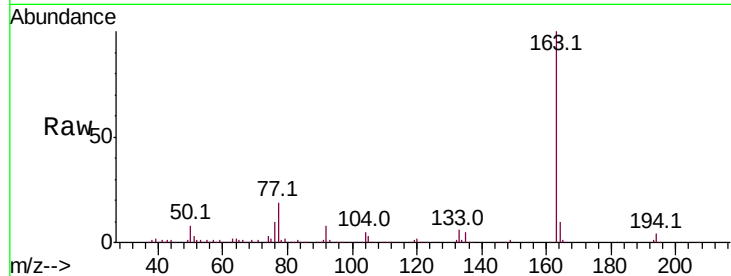
#49
Dimethylphthalate
Concen: 10.171 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Instrument :
BNA_F
ClientSampled :
S-2A

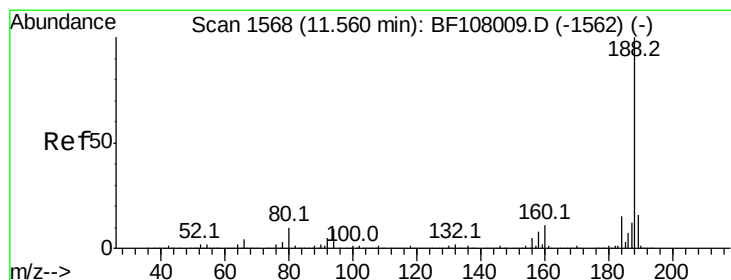
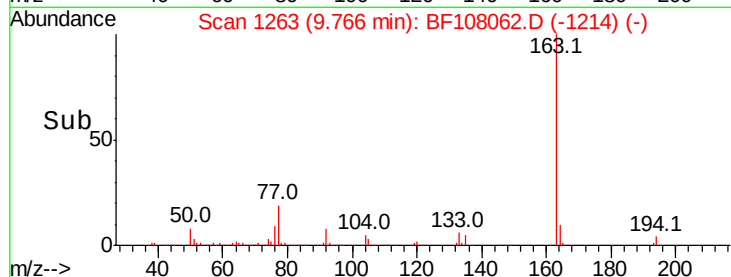
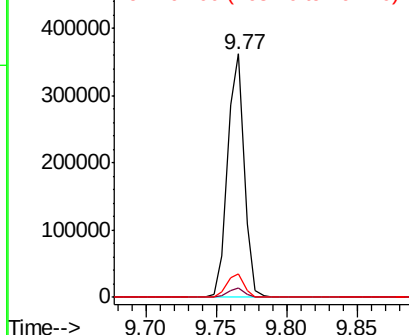
Tot Ion	Ratio	Resp	Lower	Upper
163	100	296878		
194	4.0		2.7	4.1
164	9.7		8.2	12.2

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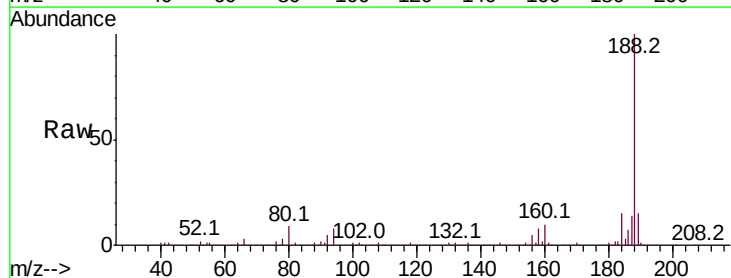


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

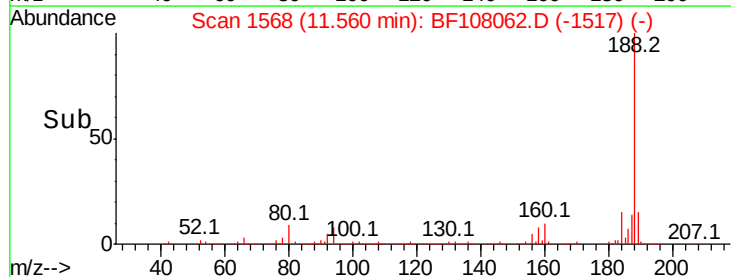
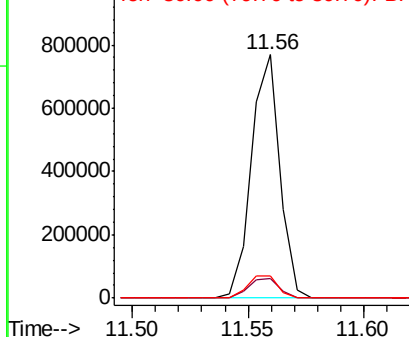


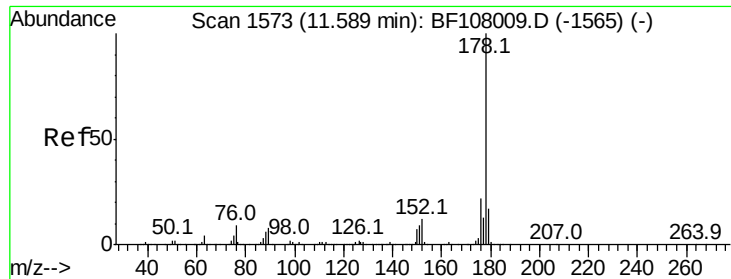
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	661180		
94	8.3		8.5	12.7#
80	9.2		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





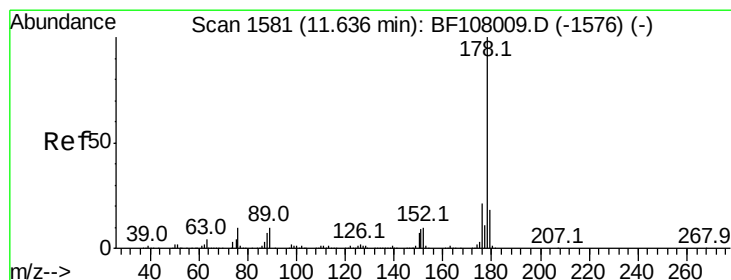
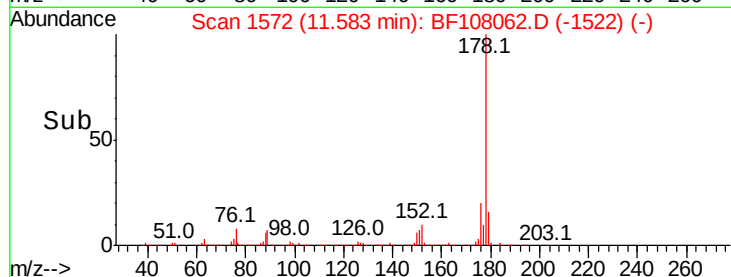
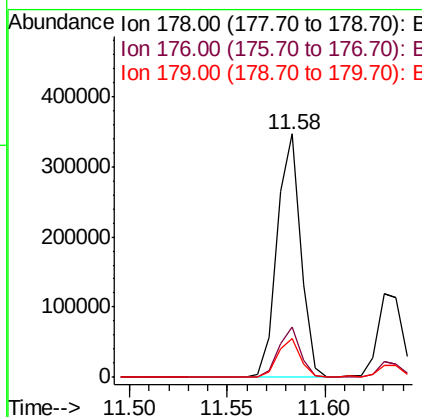
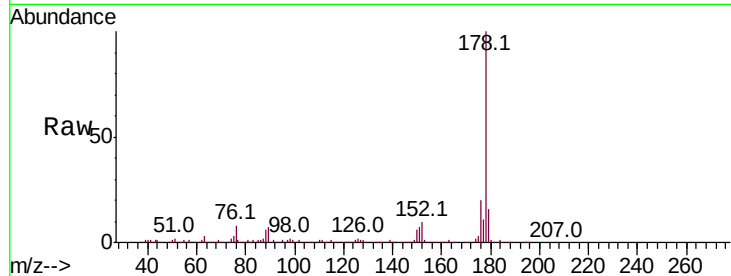
#70
Phenanthrene
Concen: 9.313 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Instrument :
BNA_F
ClientSampleId :
S-2A

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.9	13.0	19.6

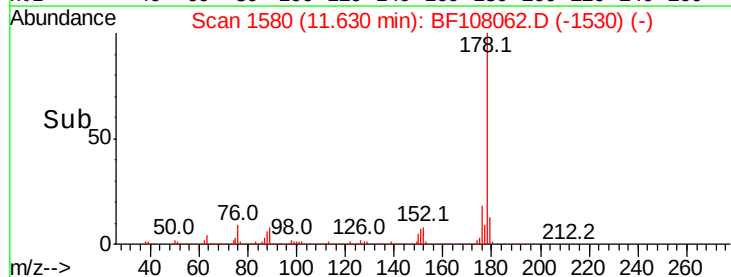
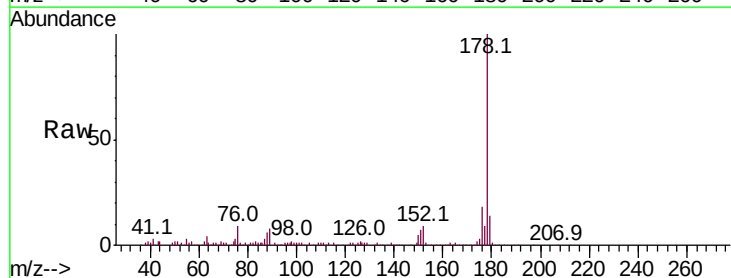
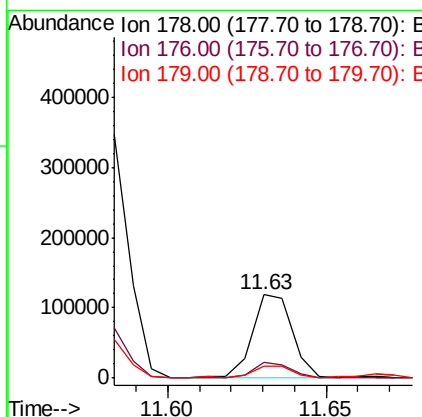
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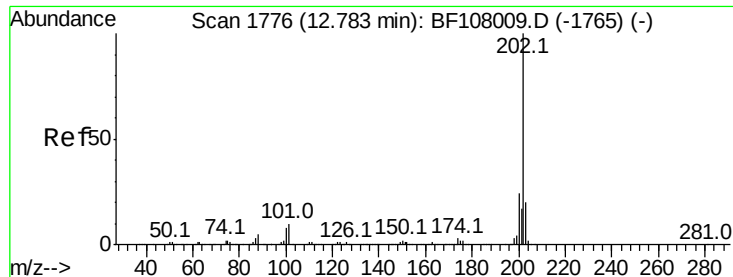
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#71
Anthracene
Concen: 3.180 ng
RT: 11.63 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	13.6	12.6	19.0





#74

Fluoranthene

Concen: 12.264 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Instrument :

BNA_F

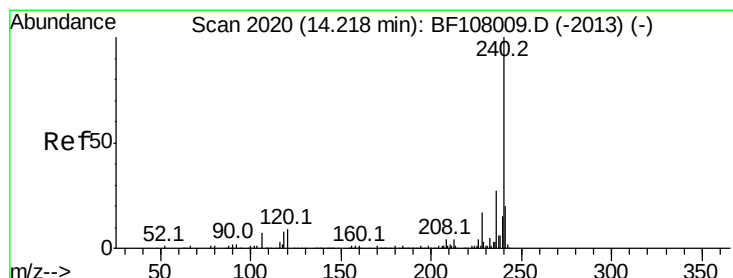
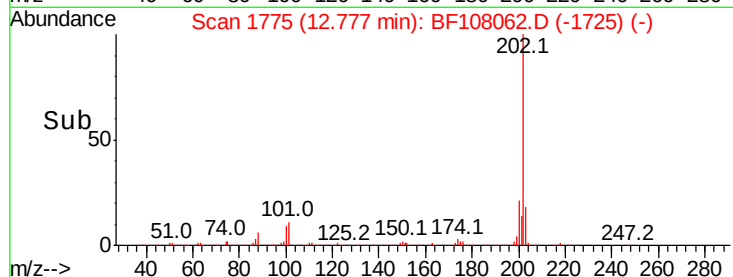
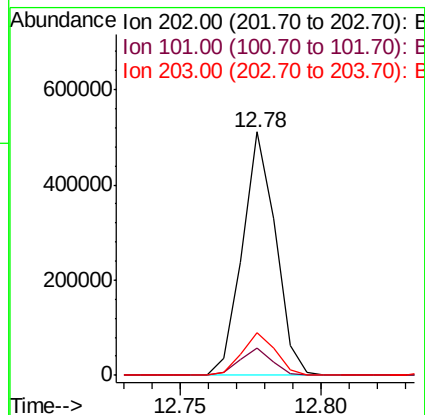
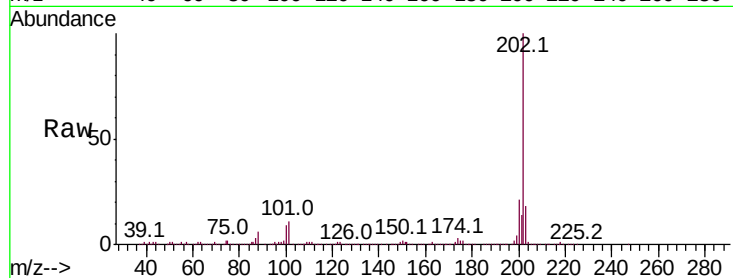
ClientSampled :

S-2A

Tot Ion:	202	Resp:	417421
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

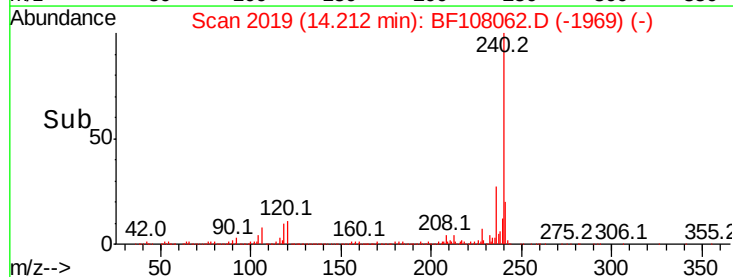
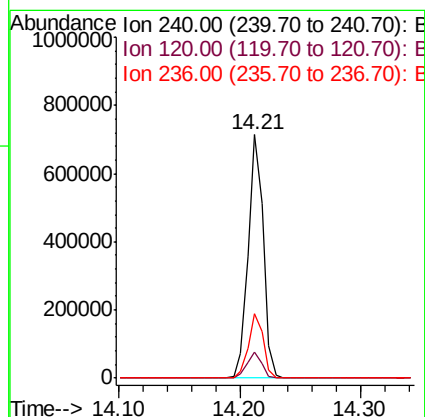
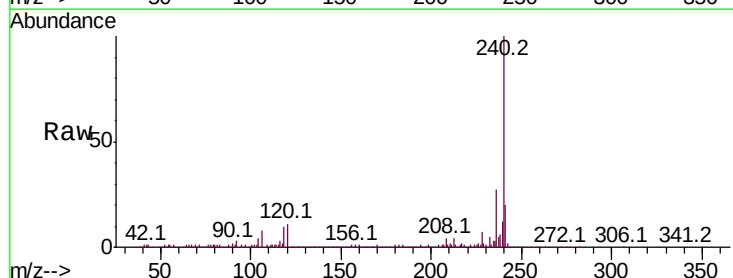
RT: 14.21 min Scan# 2019

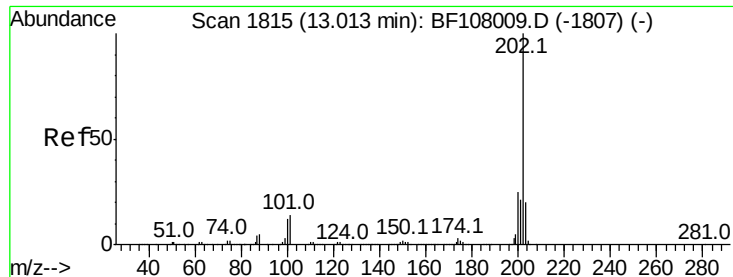
Delta R.T. -0.01 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Tgt Ion:	240	Resp:	627494
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	26.7	20.7	31.1





#77

Pvrene

Concen: 8.869 ng

RT: 13.01 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Instrument :

BNA_F

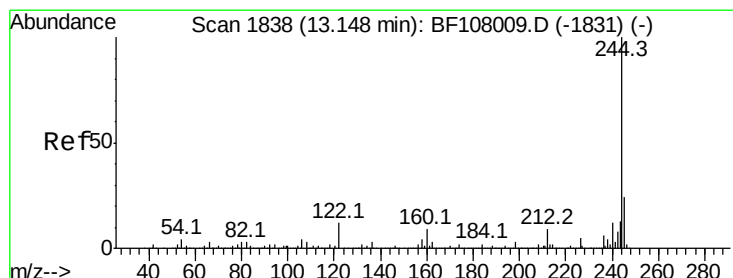
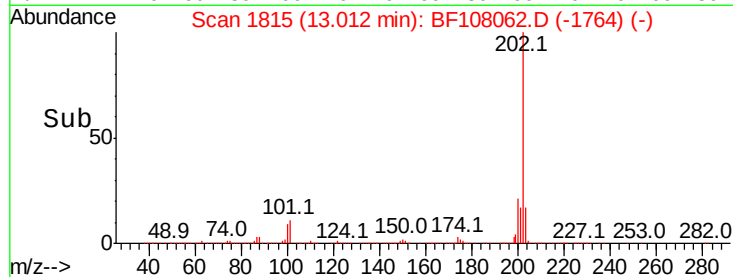
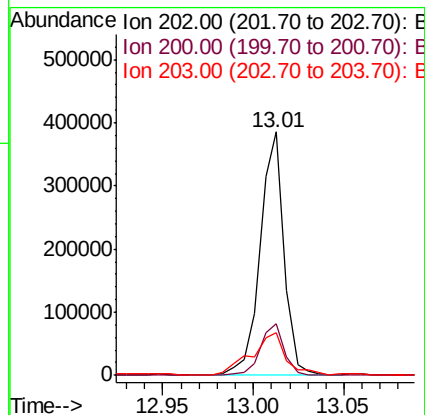
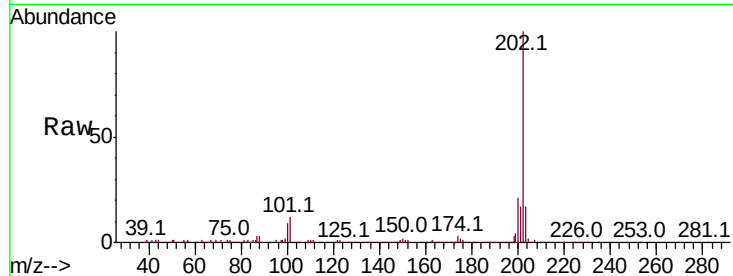
ClientSampled :

S-2A

Tot Ion:	202	Resp:	352337
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 69.633 ng

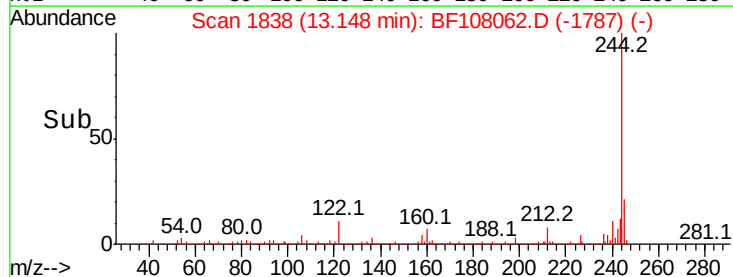
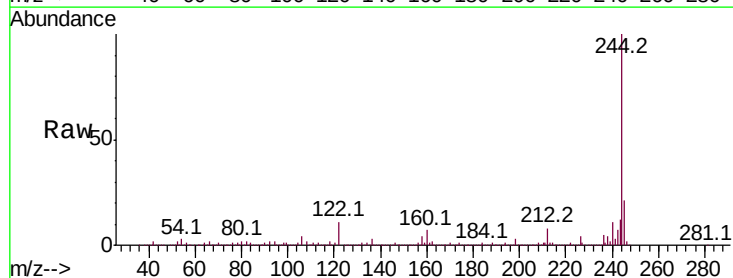
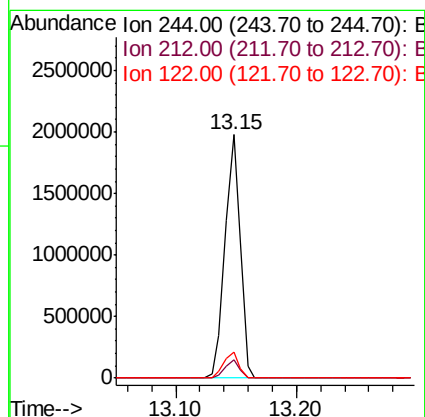
RT: 13.15 min Scan# 1838

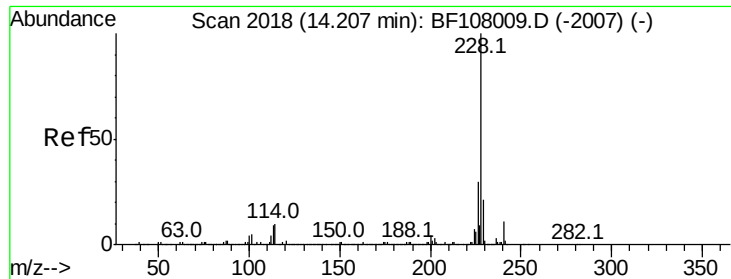
Delta R.T. -0.00 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Tgt Ion:	244	Resp:	1718503
Ion Ratio		Lower	Upper
244	100		
212	7.6	5.4	8.0
122	10.5	11.0	16.4#





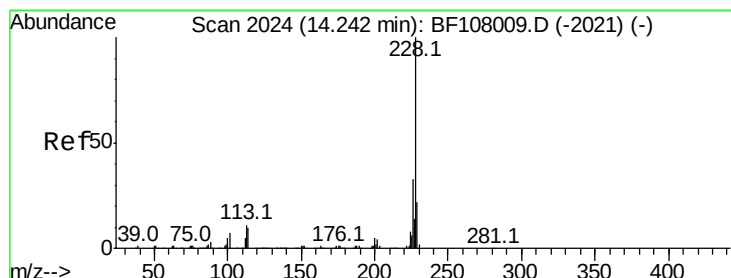
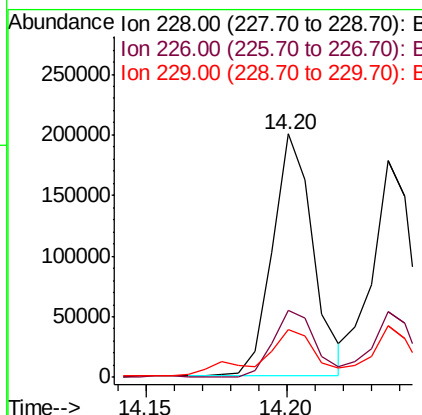
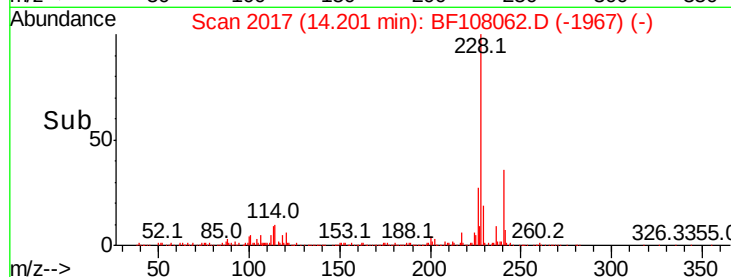
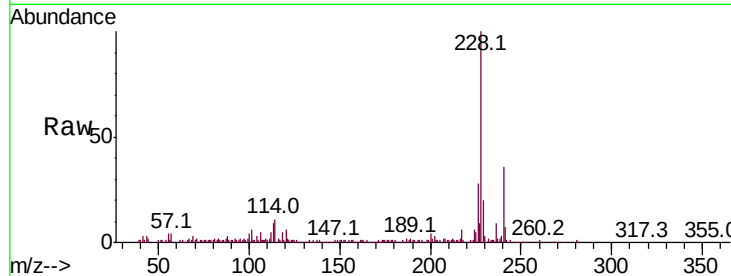
#80
Benzo(a)anthracene
Concen: 5.527 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Instrument :
BNA_F
ClientSampleId :
S-2A

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	19.6	15.8	23.6

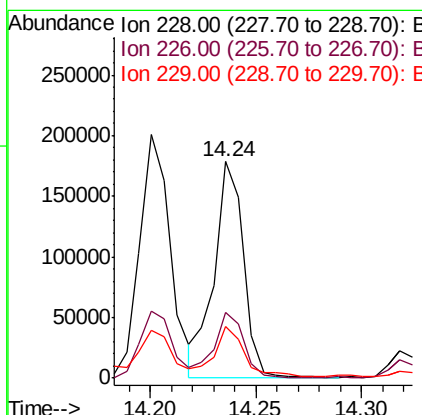
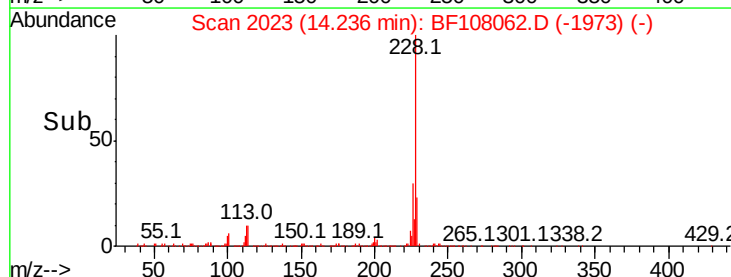
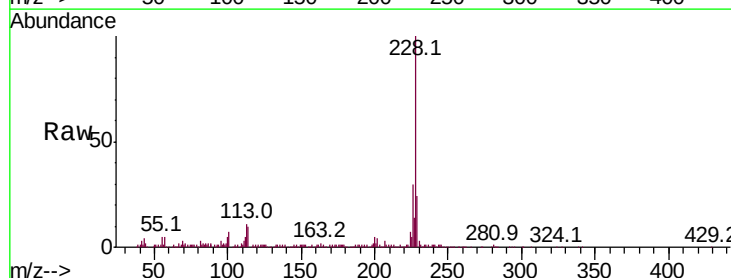
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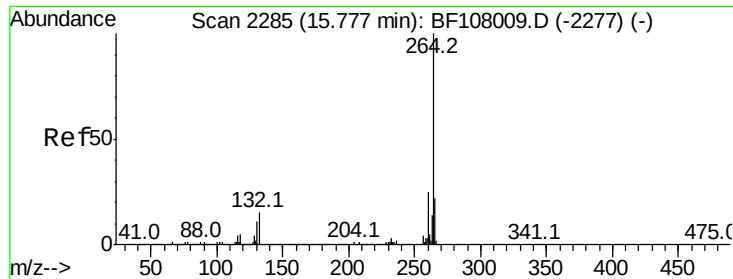
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#82
Chrysene
Concen: 5.181 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	23.8	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Instrument :

BNA_F

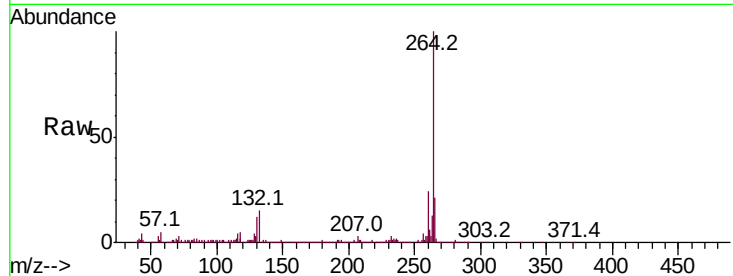
ClientSampleId :

S-2A

Tot Ion:	264	Resp:	467833
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.4	17.5	26.3

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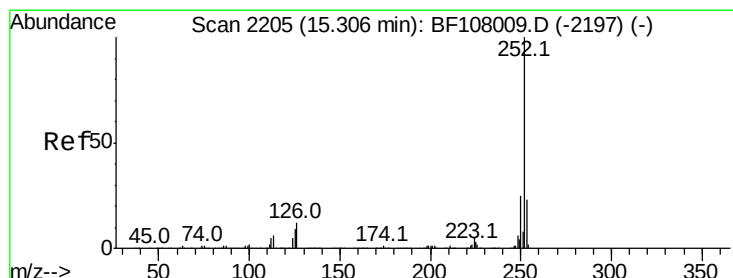
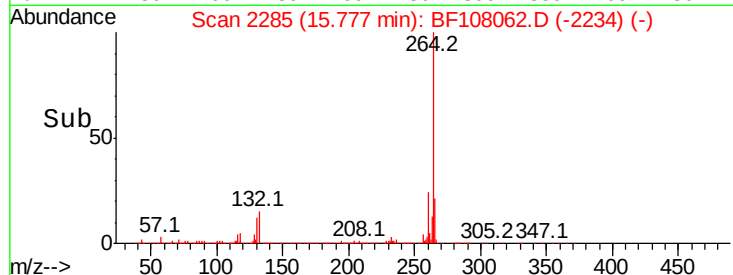
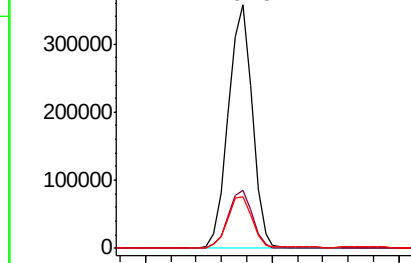
Abundance

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

15.78



#87

Benzo(b)fluoranthene

Concen: 6.000 ng m

RT: 15.30 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF108062.D

Acq: 9 Aug 2018 19:39

Tgt Ion:	252	Resp:	167717
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.6
125	10.8	9.0	13.6

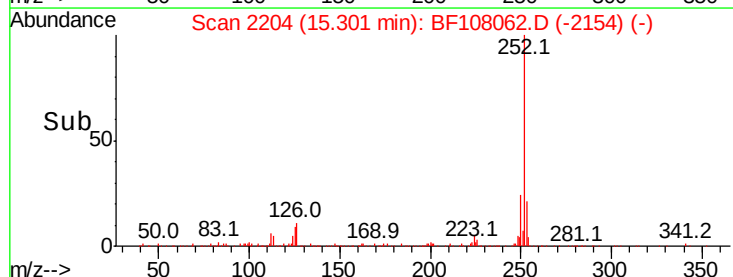
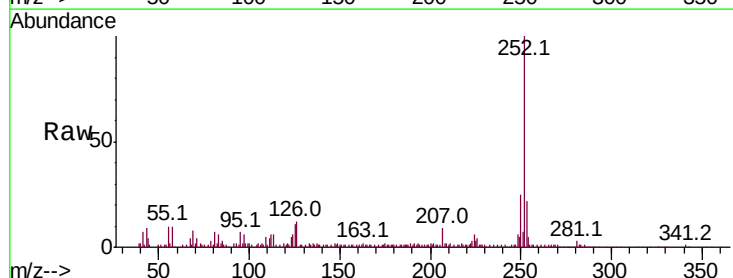
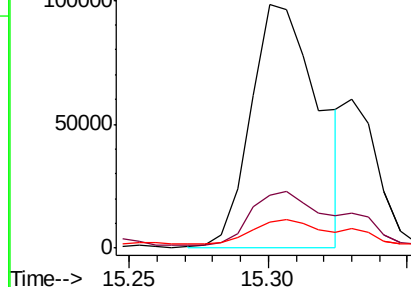
Abundance

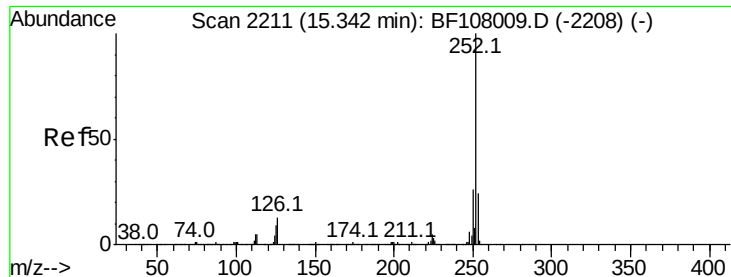
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

15.30





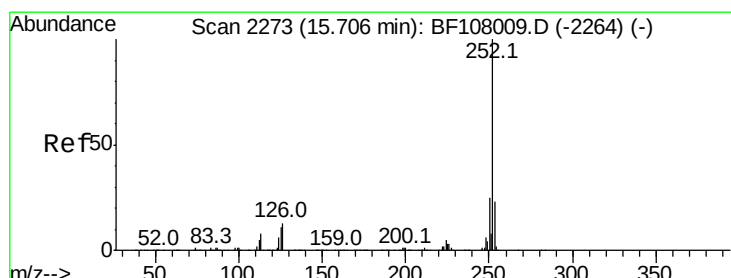
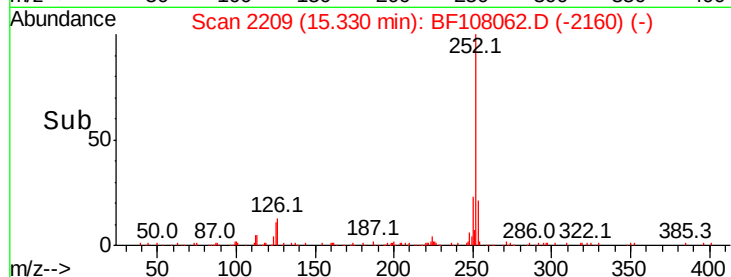
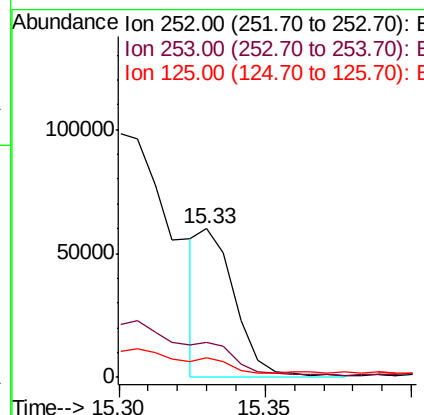
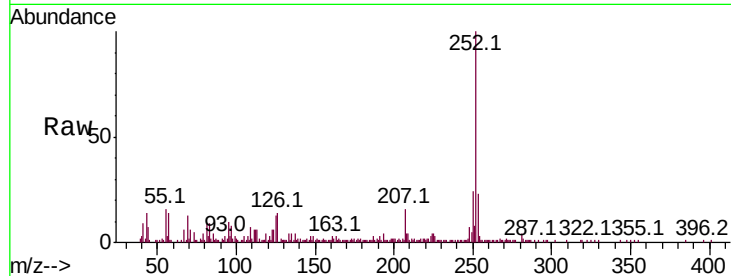
#88
Benzo(k)fluoranthene
Concen: 2.007 ng m
RT: 15.33 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Instrument :
BNA_F
ClientSampleId :
S-2A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.3	10.2	15.2

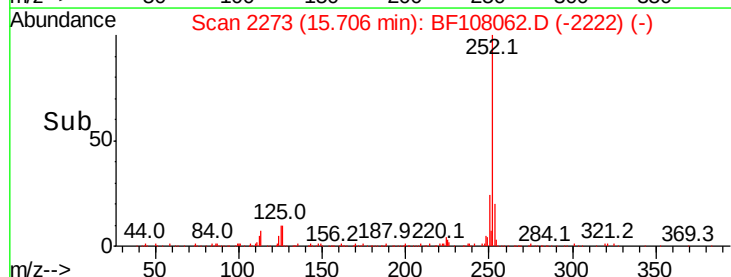
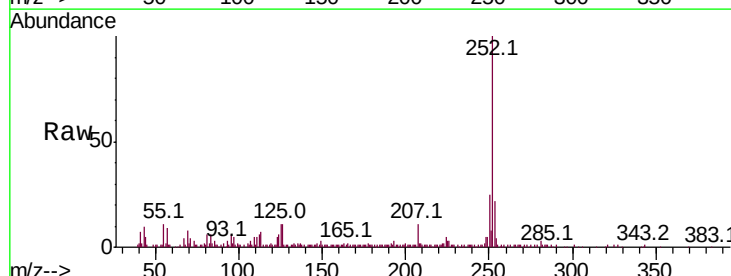
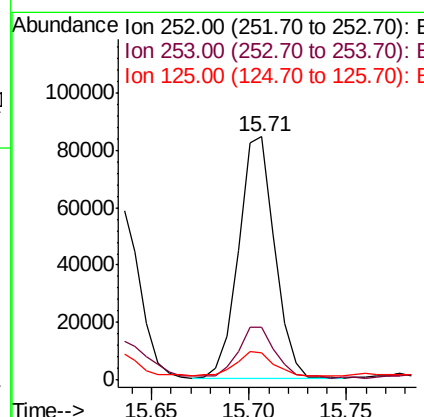
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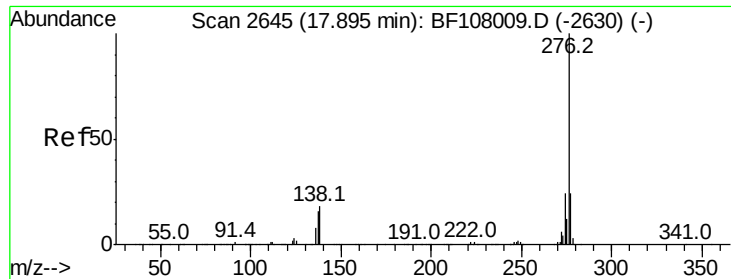
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#89
Benzo(a)pyrene
Concen: 4.303 ng
RT: 15.71 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF108062.D
Acq: 9 Aug 2018 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	11.0	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.049 ng
 RT: 17.88 min Scan# 2642
 Delta R.T. -0.02 min
 Lab File: BF108062.D
 Acq: 9 Aug 2018 19:39

Instrument :
 BNA_F
 ClientSampleId :
 S-2A

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9#
138	20.9	21.8	32.8#

Manual Integrations
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