

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108439.D
 Acq On : 23 Aug 2018 23:43
 Operator : JU/SJ
 Sample : J4559-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-75-048

Manual Integrations
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Sohil
 8/24/2018 12:14:24 PM

Quant Time: Aug 24 02:36:03 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	117938	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	462332	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	225867	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	390985	20.00	ng	0.00
75) Chrysene-d12	14.19	240	260876	20.00	ng	0.00
86) Perylene-d12	15.75	264	243727	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	161777	24.83	ng	-0.01
7) Phenol-d6	6.61	99	225273	26.02	ng	-0.02
23) Nitrobenzene-d5	7.55	82	143288	17.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	42800	19.00	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	265101	18.84	ng	-0.01
78) Terphenyl-d14	13.12	244	159154	15.51	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.75	163	78974	5.019	ng	# 97
70) Phenanthrene	11.57	178	71185	3.860	ng	97
74) Fluoranthene	12.76	202	133780	6.647	ng	93
77) Pyrene	12.99	202	117113	7.091	ng	100
80) Benzo(a)anthracene	14.18	228	56993	3.807	ng	97
82) Chrysene	14.22	228	50881	3.707	ng	97
85) Indeno(1,2,3-cd)pyrene	17.36	276	23963	2.015	ng	# 89
87) Benzo(b)fluoranthene	15.28	252	69343m	4.761	ng	
89) Benzo(a)pyrene	15.68	252	41455	3.179	ng	# 82
91) Benzo(g,h,i)perylene	17.85	276	21549	2.028	ng	# 92

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

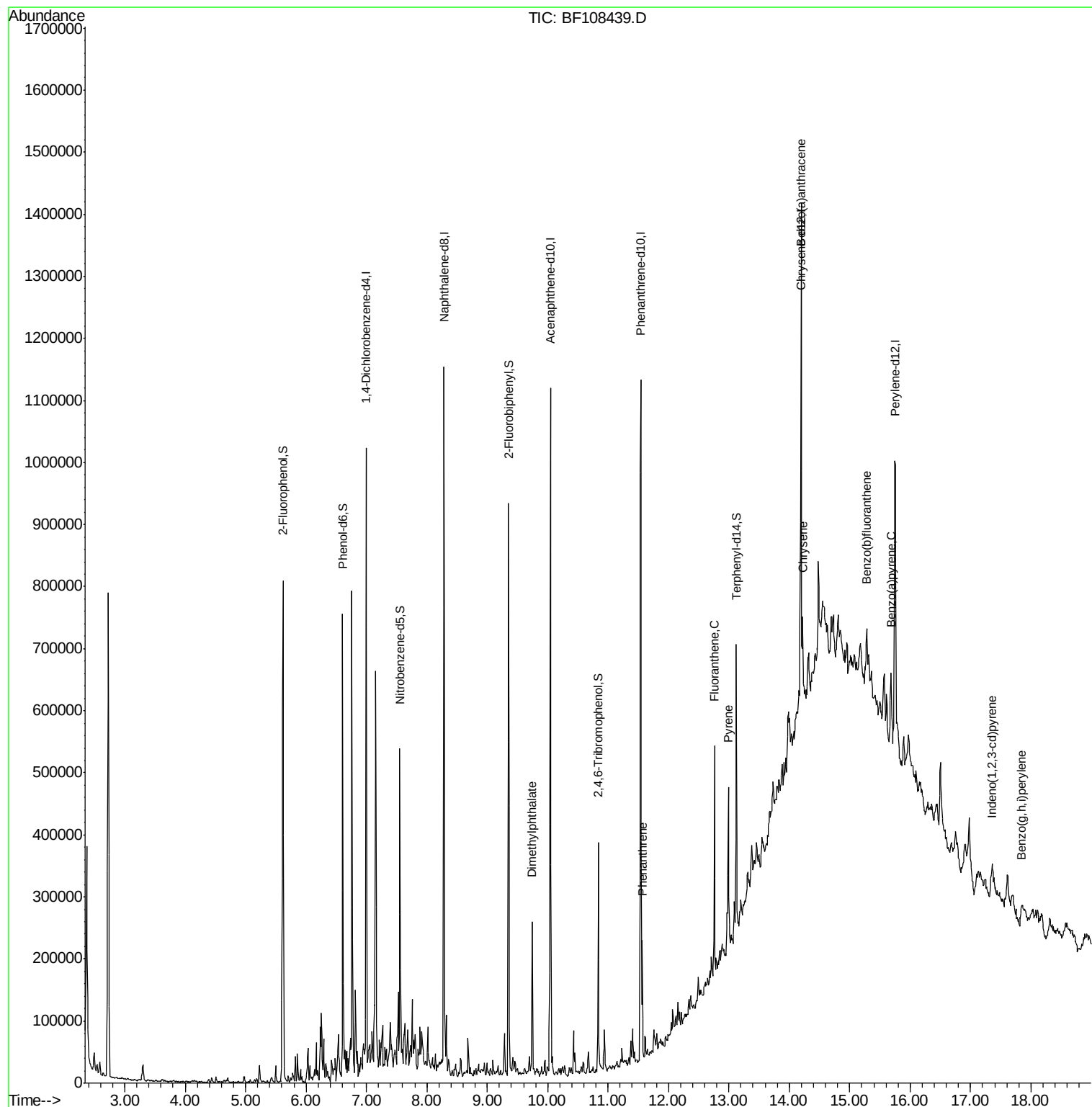
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108439.D
Acq On : 23 Aug 2018 23:43
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Sample : J4559-04
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ALS Vial : 17 Sample Multiplier: 1

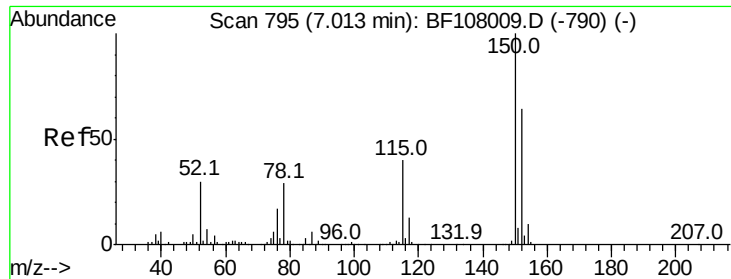
Instrument :
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RA-081718-SSW-75-048

Manual Integrations
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#1

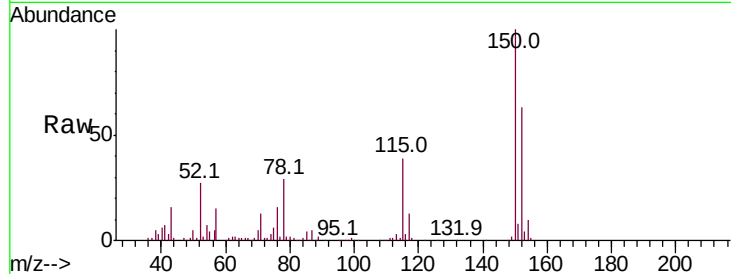
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	61.5	50.1	75.1

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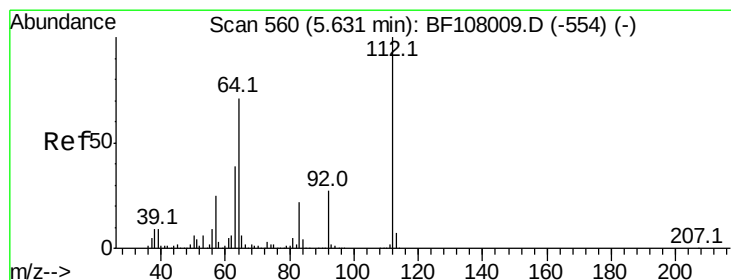
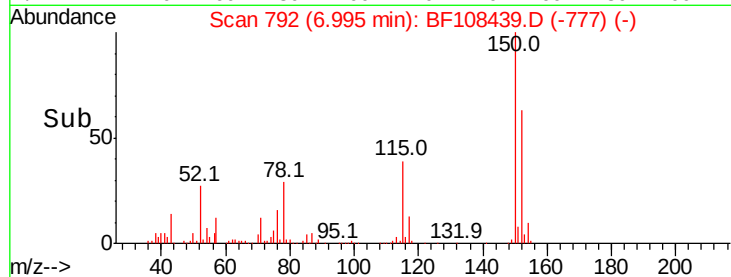
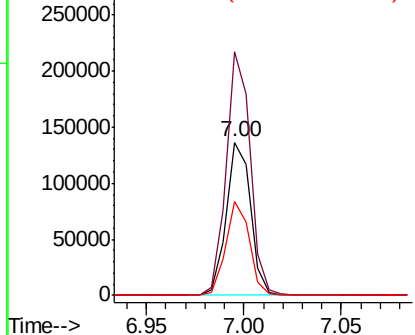


Abundance

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: 24.834 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

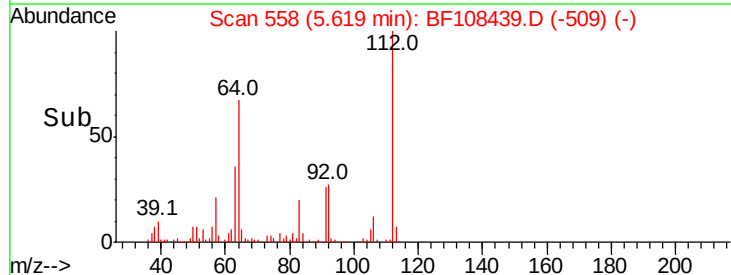
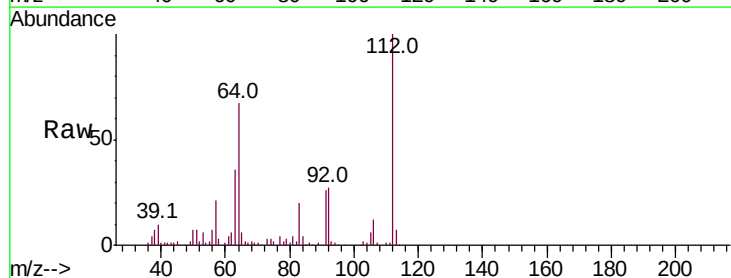
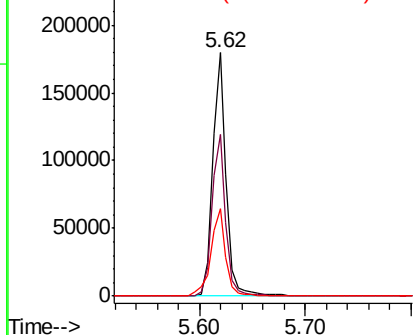
Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	47.9	71.9
63	35.7	23.7	35.5

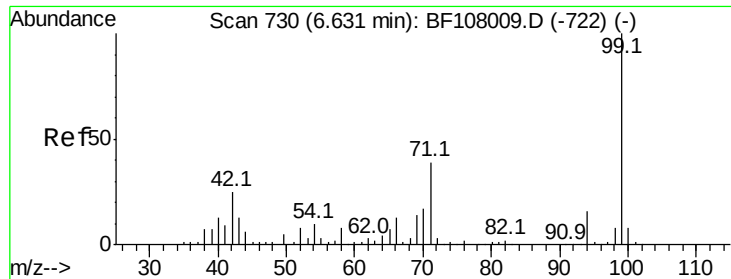
Abundance

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: 26.023 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-75-048

Tot Ion: 99 Resp: 225273

Ion Ratio Lower Upper

99 100

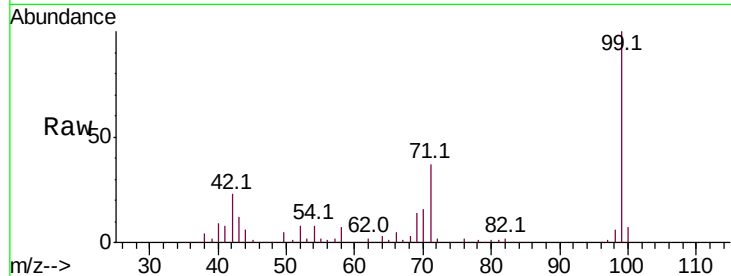
42 22.5 14.5 21.7#

71 36.8 25.4 38.0

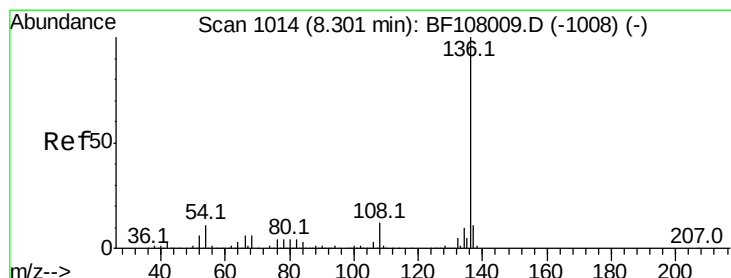
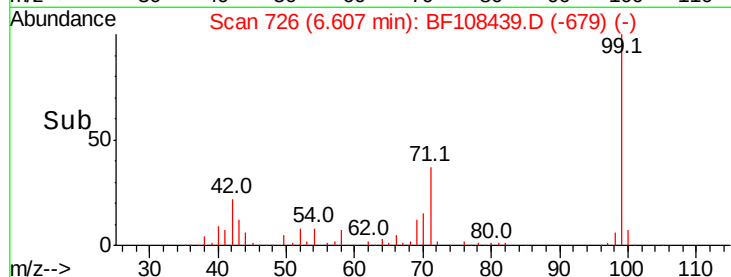
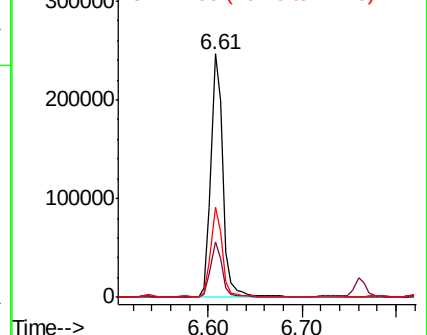
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Tgt Ion: 136 Resp: 462332

Ion Ratio Lower Upper

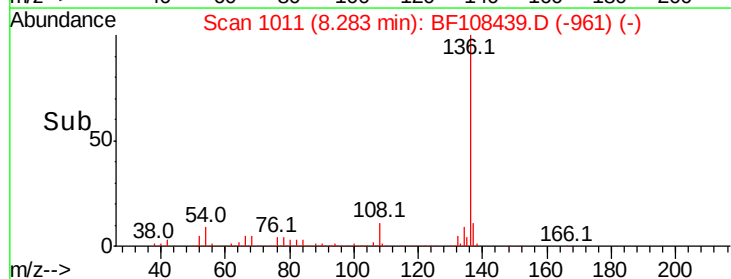
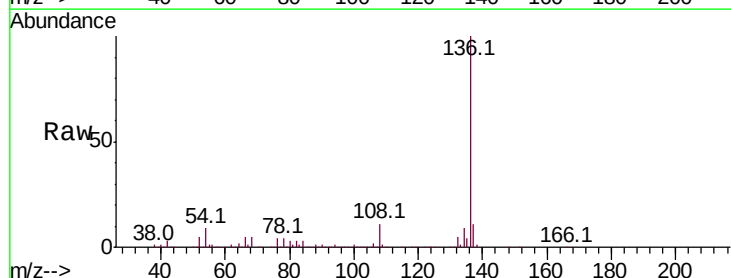
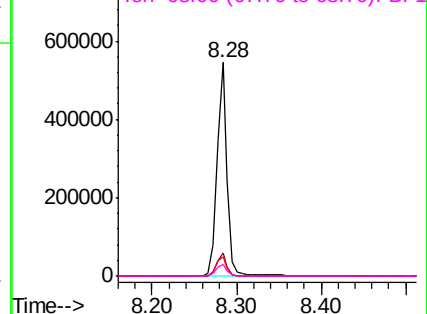
136 100

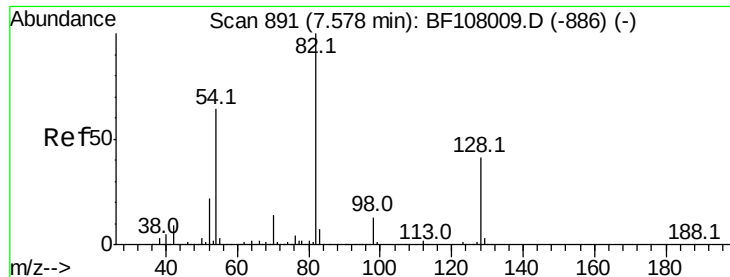
137 10.8 8.9 13.3

54 9.2 6.6 9.8

68 5.5 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





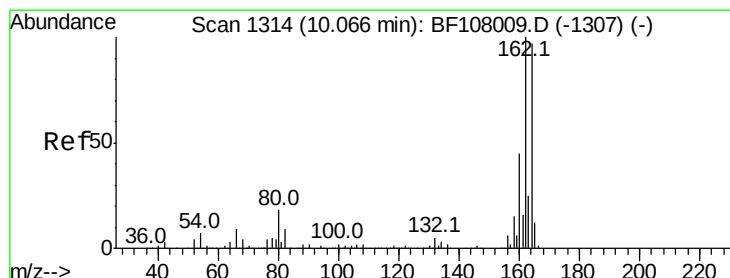
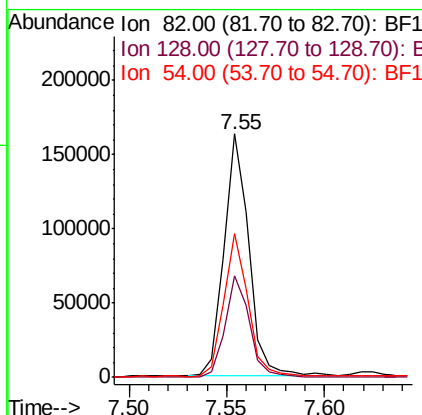
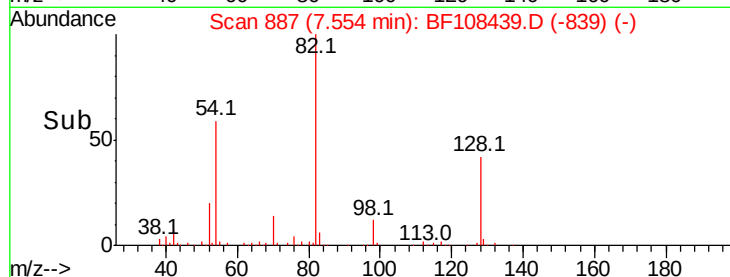
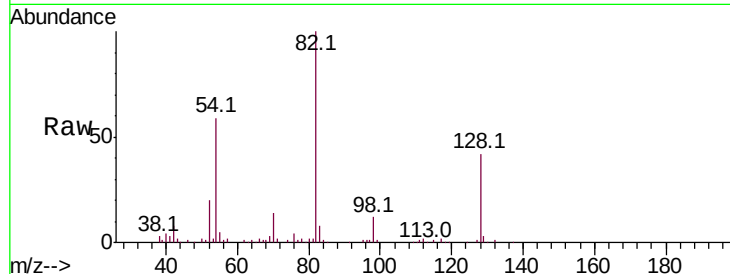
#23
Nitrobenzene-d5
Concen: 17.294 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	59.1	41.4	62.2

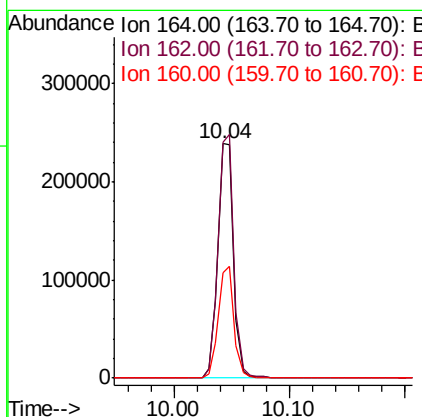
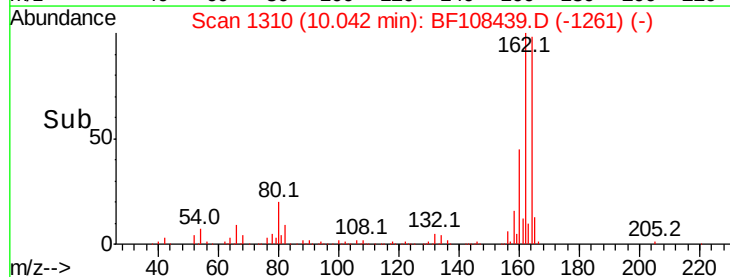
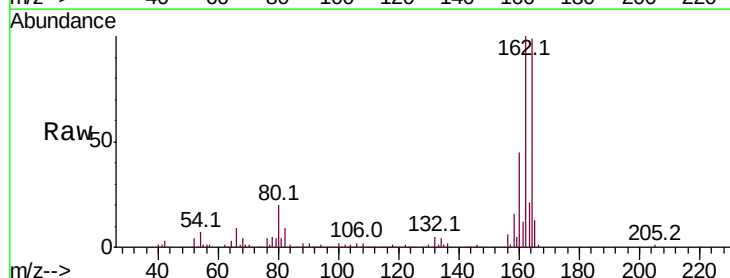
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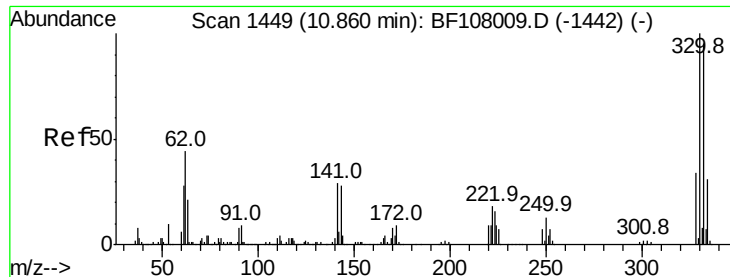
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	86.1	129.1
160	45.0	38.3	57.5





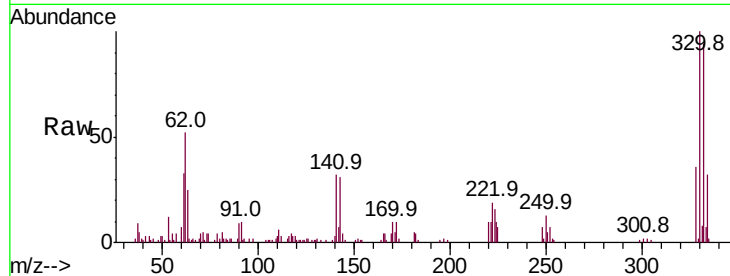
#41
 2,4,6-Tribromophenol
 Concen: 18.997 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108439.D
 Acq: 23 Aug 2018 23:43

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-75-048

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.3	77.0	115.6	
141	33.7	29.9	44.9	

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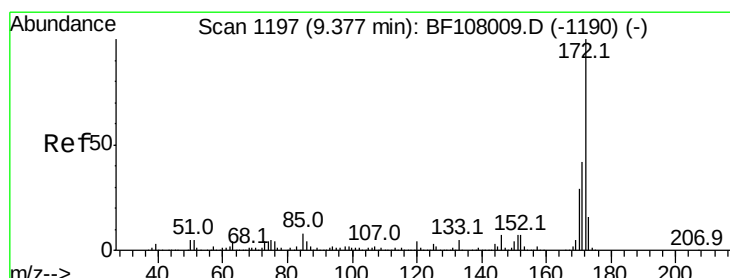
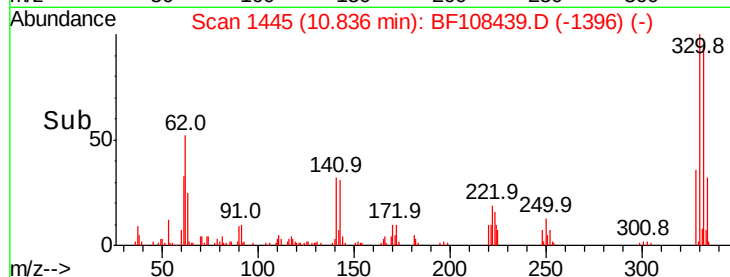
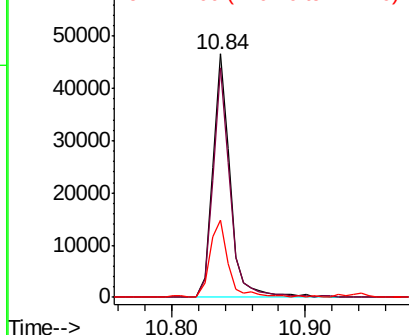


Abundance

Ion 329.80 (329.50 to 330.50): E

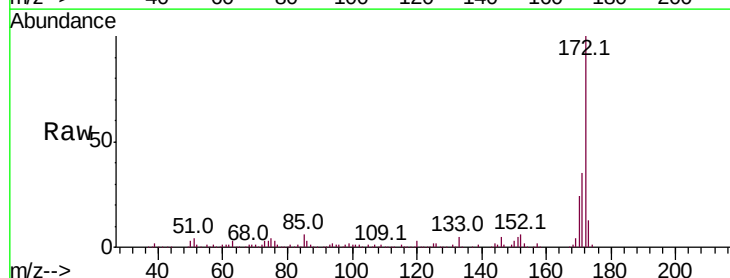
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 18.843 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108439.D
 Acq: 23 Aug 2018 23:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.7	44.5	
170	23.5	19.6	29.4	

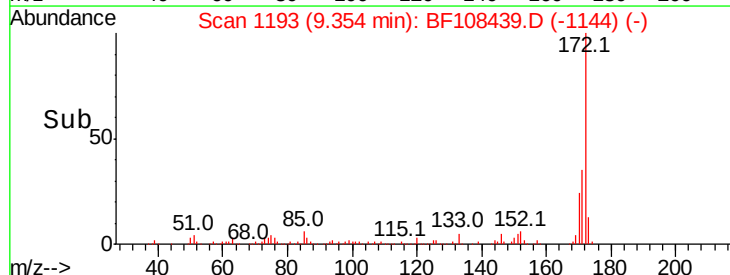
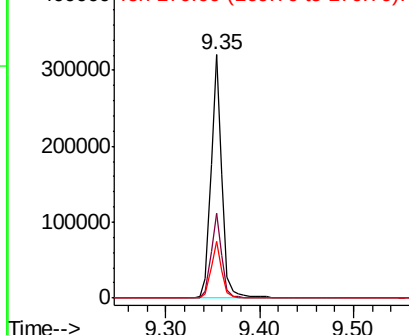


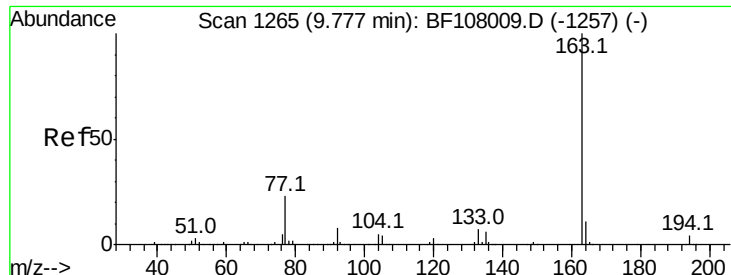
Abundance

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





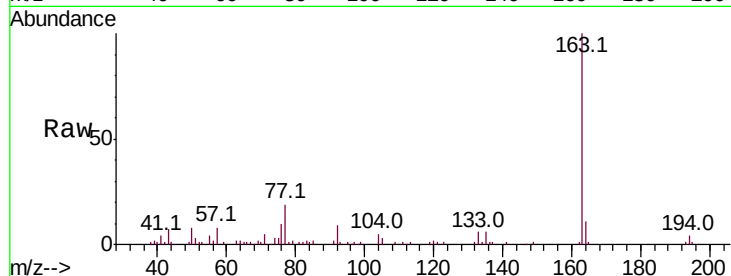
#49
Dimethylphthalate
Concen: 5.019 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

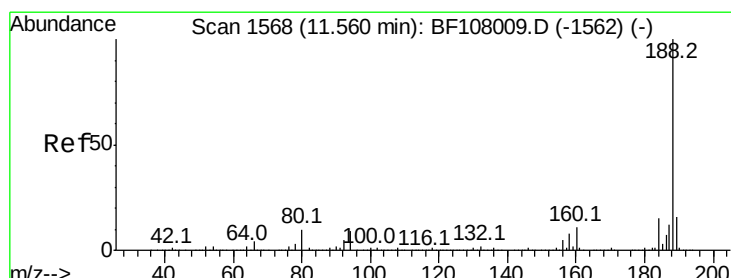
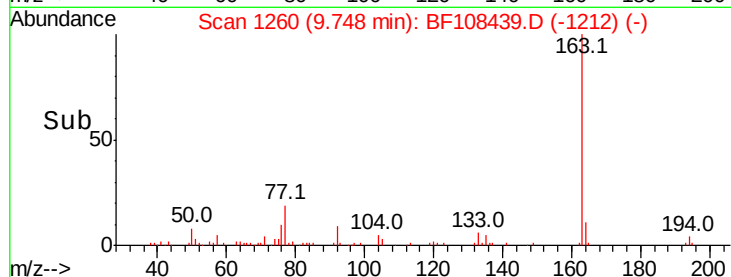
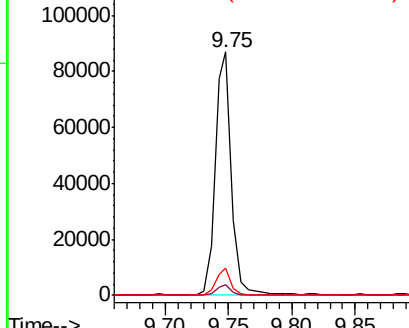
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	11.2	8.2	12.2

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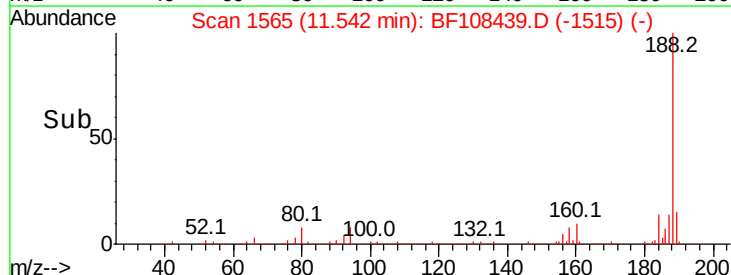
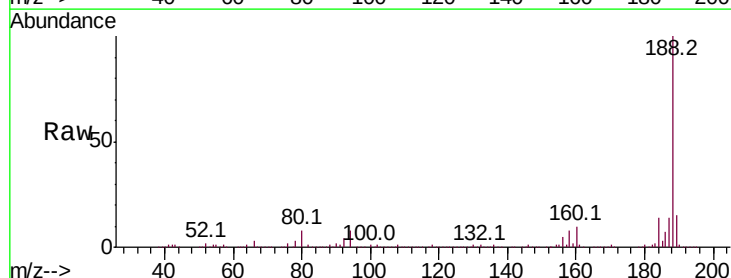
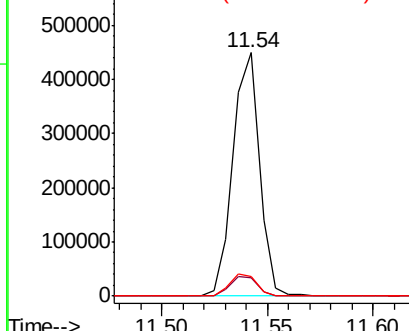
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

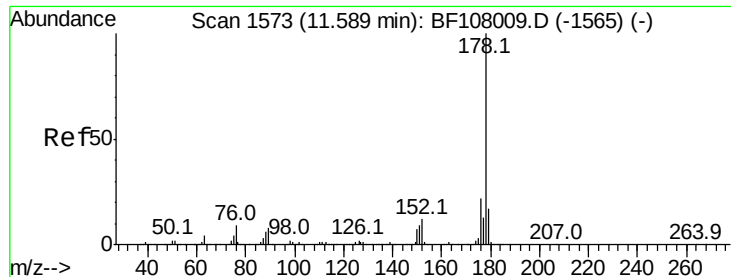


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.2	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





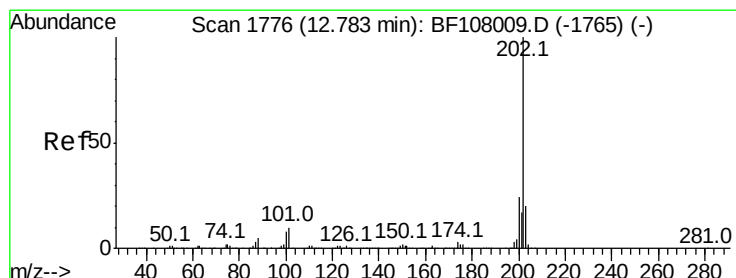
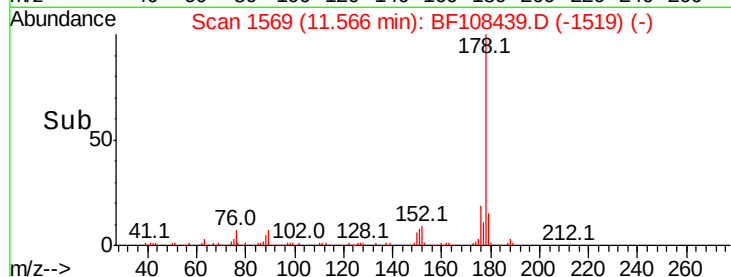
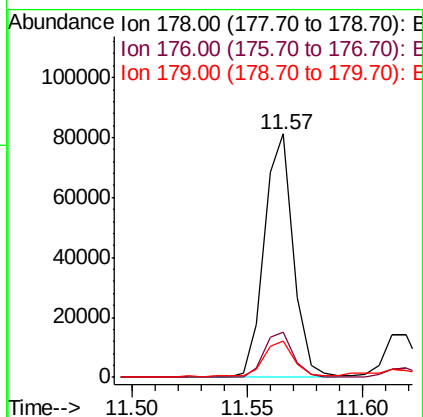
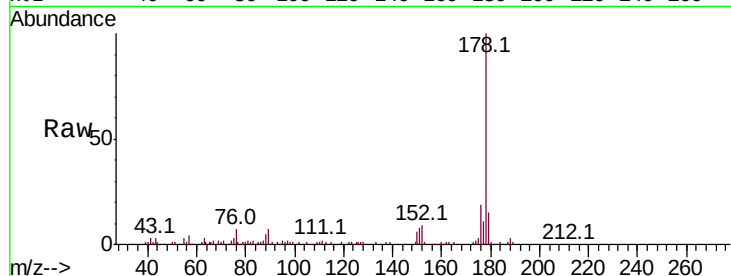
#70
Phenanthrene
Concen: 3.860 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	14.9	13.0	19.6

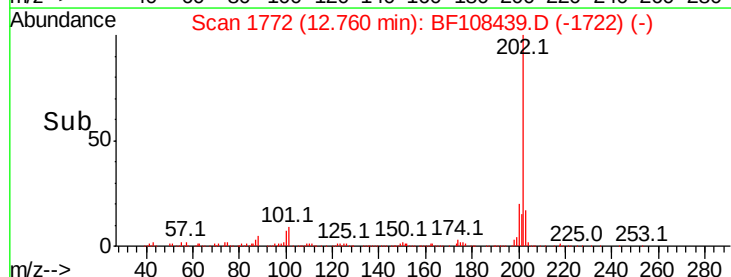
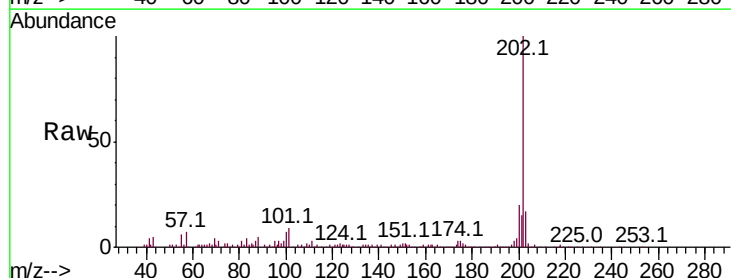
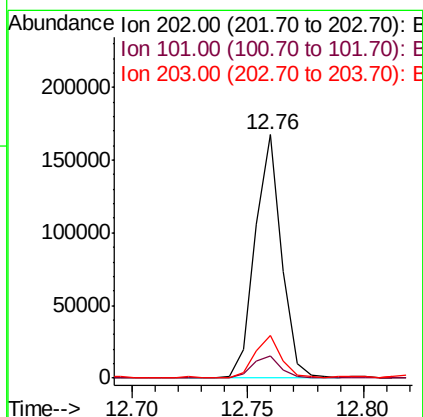
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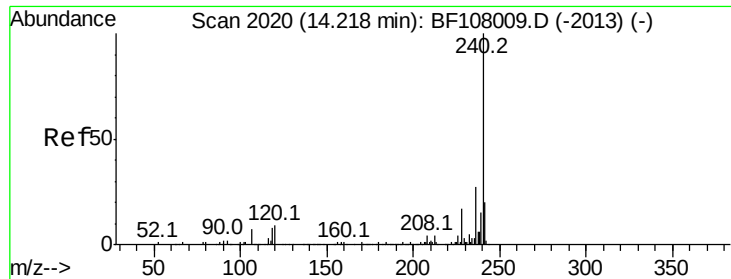
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#74
Fluoranthene
Concen: 6.647 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Instrument :

BNA_F

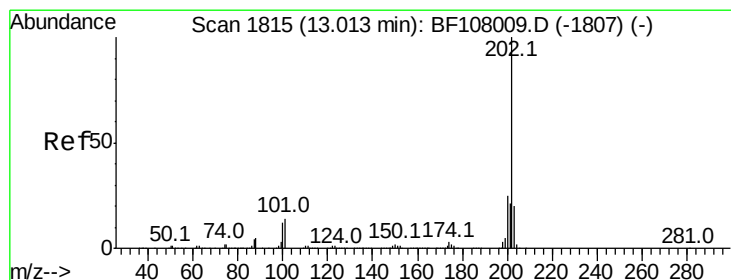
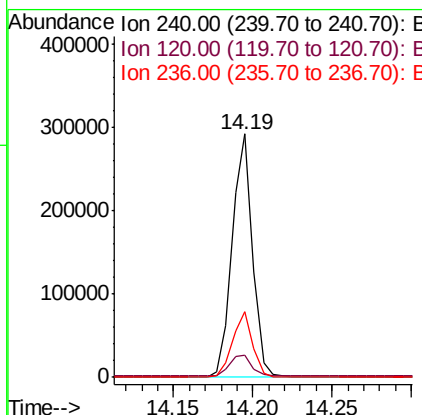
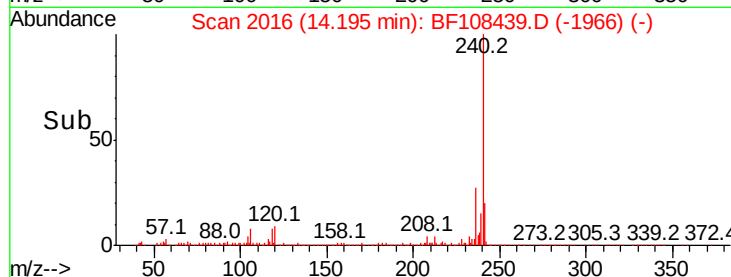
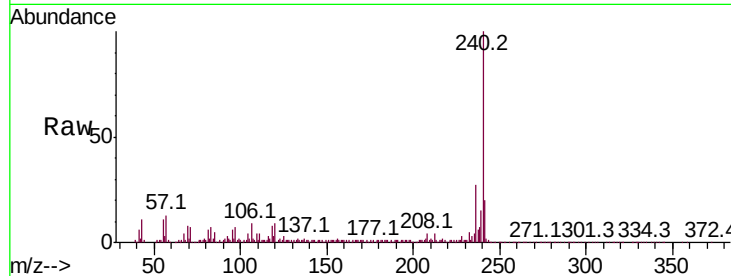
ClientSampleId :

RA-081718-SSW-75-048

Tot Ion:	240	Resp:	260876
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.5	14.3#
236	26.8	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 7.091 ng

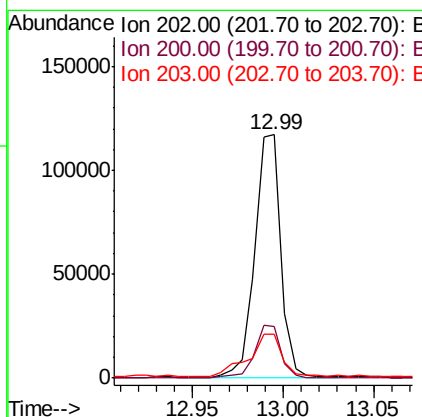
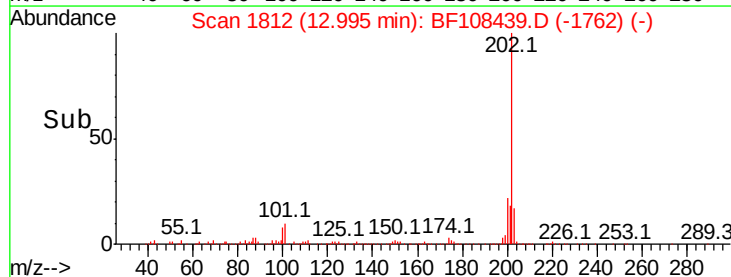
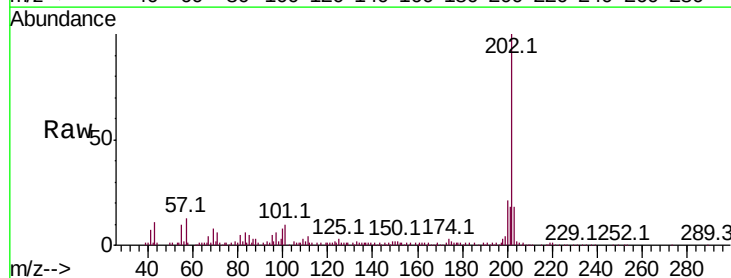
RT: 12.99 min Scan# 1812

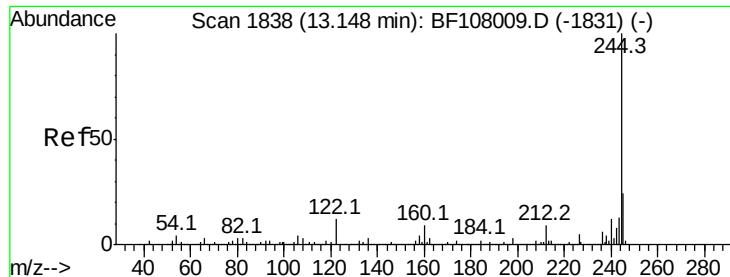
Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Tgt Ion:	202	Resp:	117113
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 15.512 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Instrument :

BNA_F

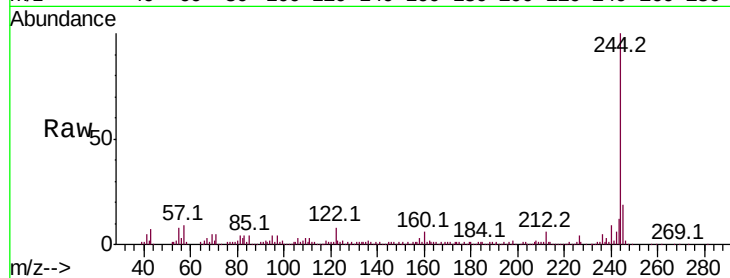
ClientSampleId :

RA-081718-SSW-75-048

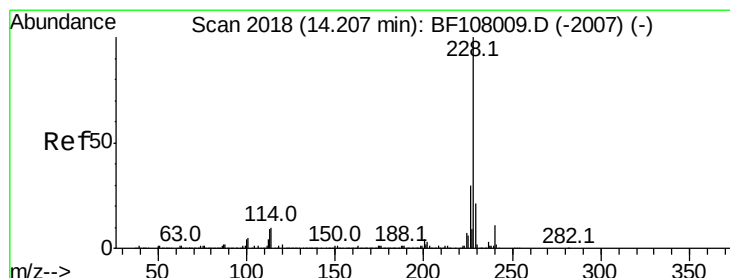
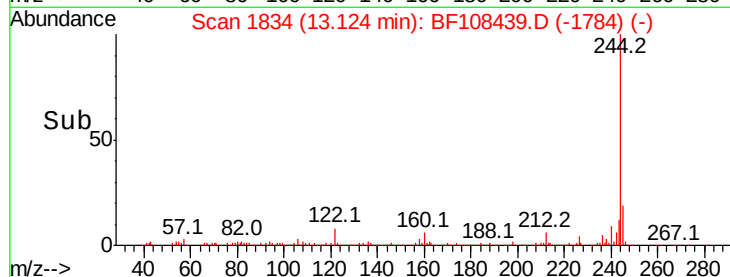
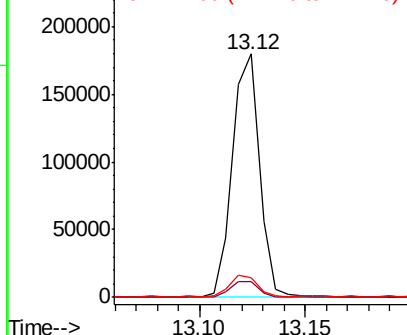
Tot Ion:	244	Resp:	159154
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	8.2	11.0	16.4

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



#80

Benzo(a)anthracene

Concen: 3.807 ng

RT: 14.18 min Scan# 2014

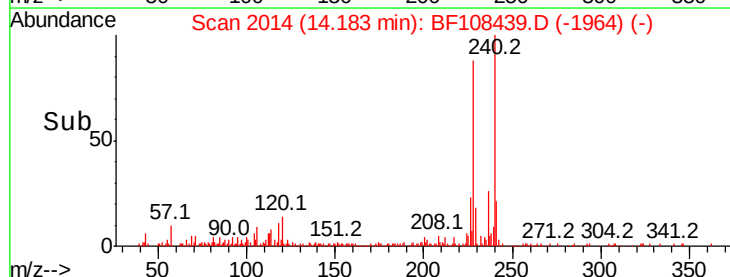
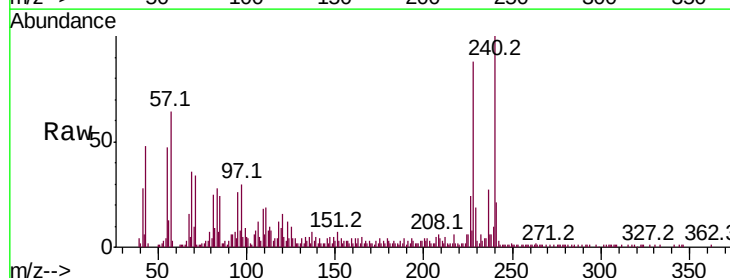
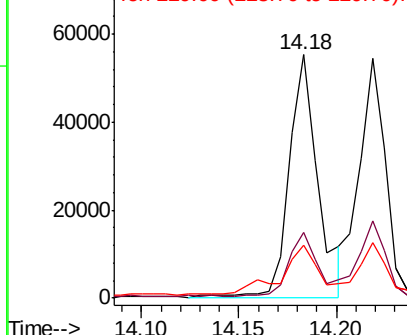
Delta R.T. -0.01 min

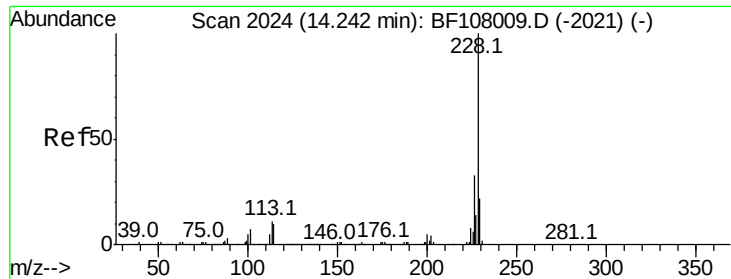
Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Tgt Ion:	228	Resp:	56993
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	33.8
229	21.5	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





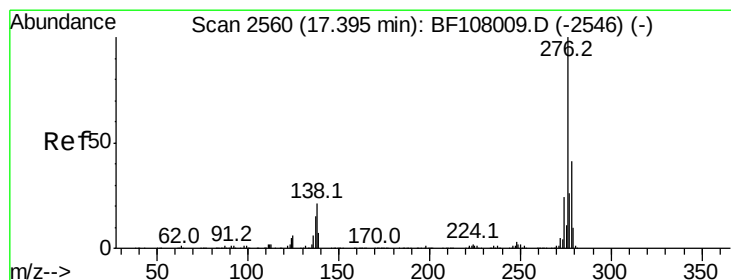
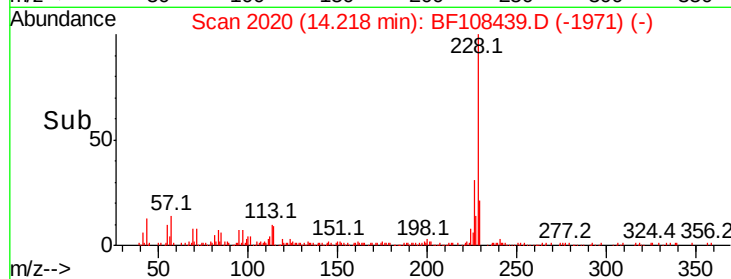
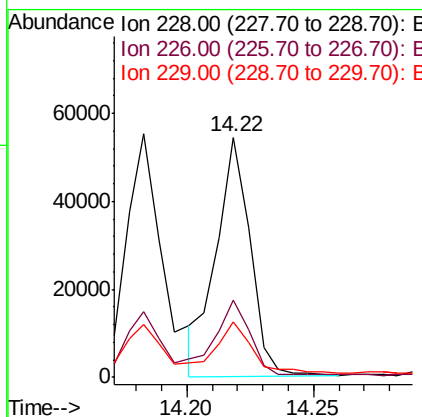
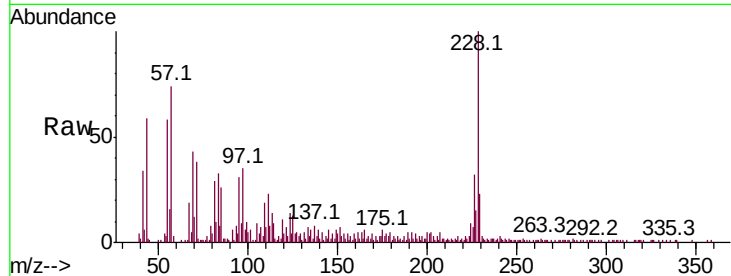
#82
Chrysene
Concen: 3.707 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	23.3	16.2	24.4

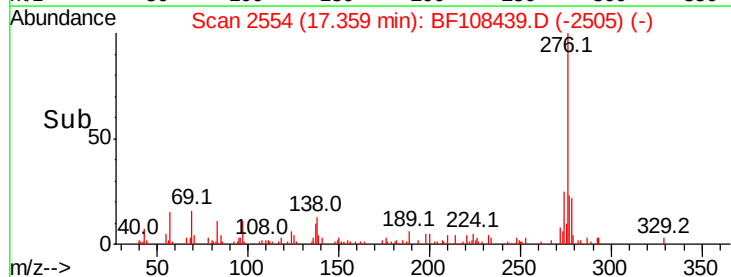
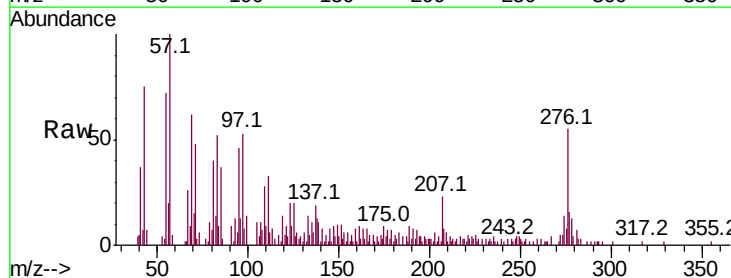
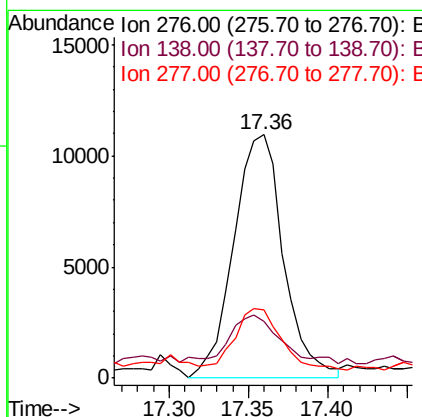
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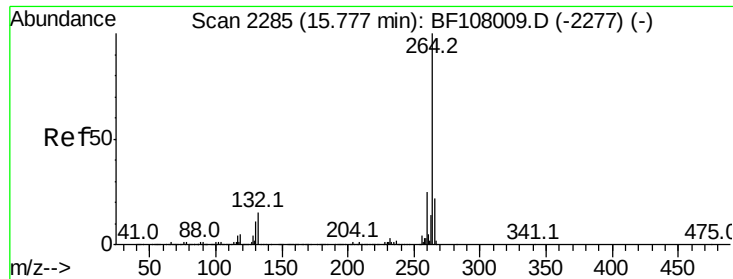
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.015 ng
RT: 17.36 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	25.0	37.6#
277	23.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Instrument :

BNA_F

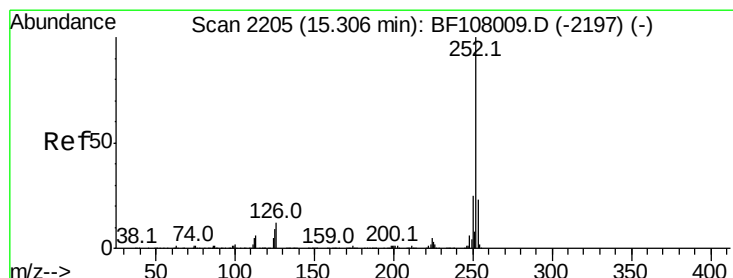
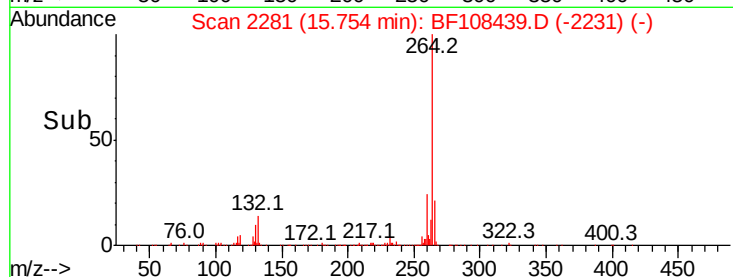
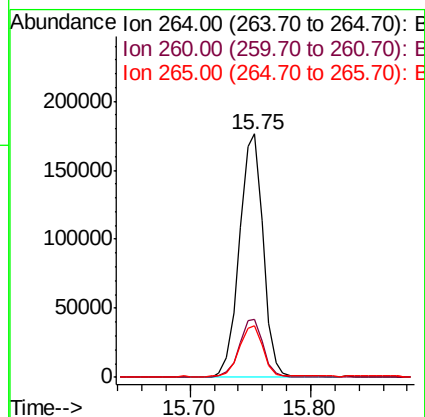
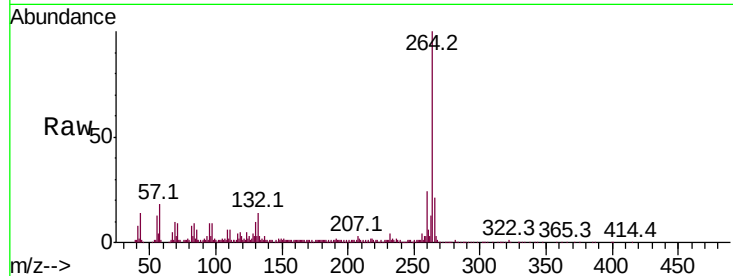
ClientSampleId :

RA-081718-SSW-75-048

Tot Ion:	264	Resp:	243727
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	21.5	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 4.761 ng m

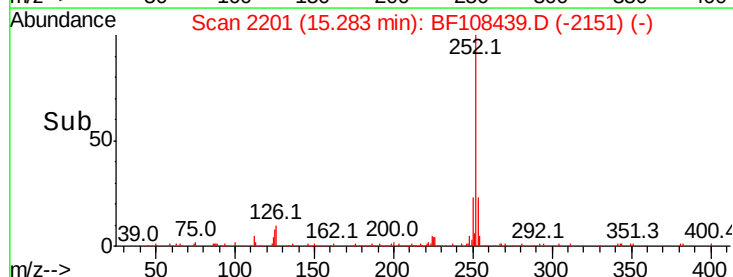
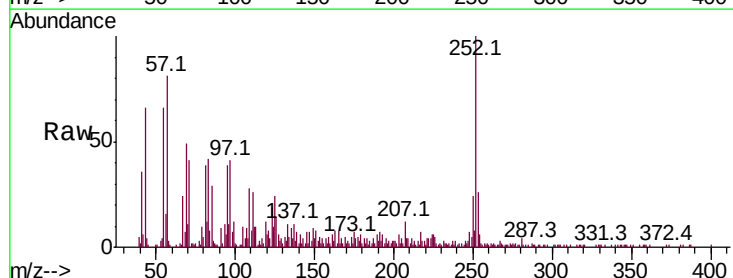
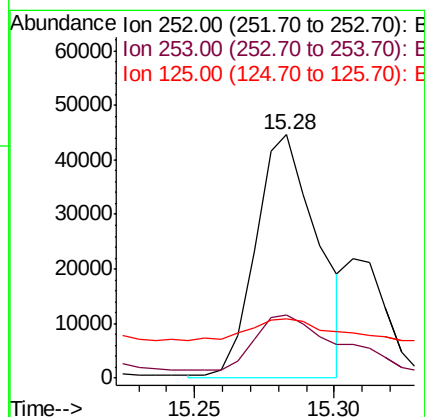
RT: 15.28 min Scan# 2201

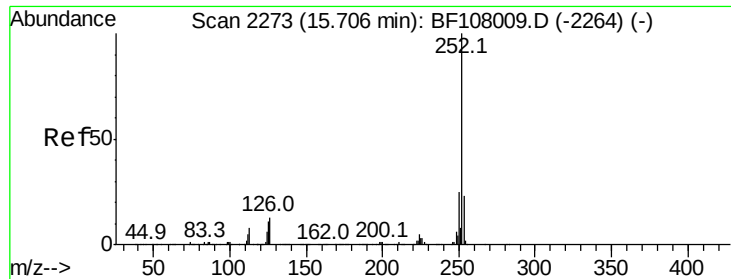
Delta R.T. -0.01 min

Lab File: BF108439.D

Acq: 23 Aug 2018 23:43

Tgt Ion:	252	Resp:	69343
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.0	25.6#
125	24.1	9.0	13.6#





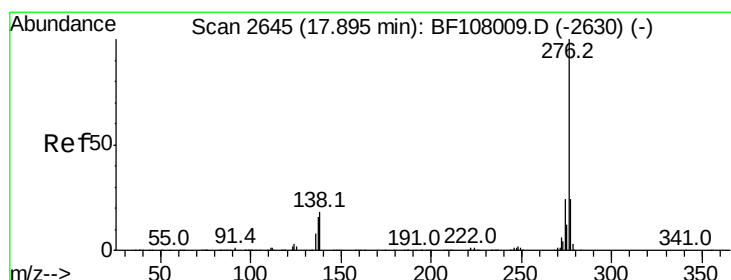
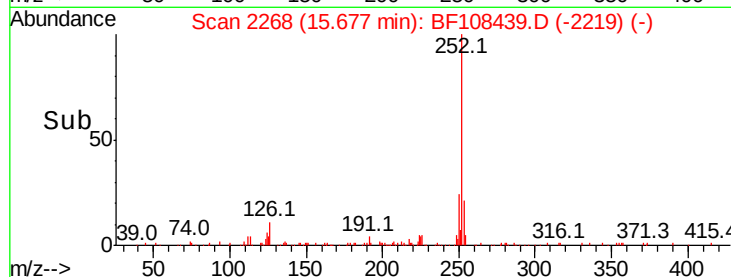
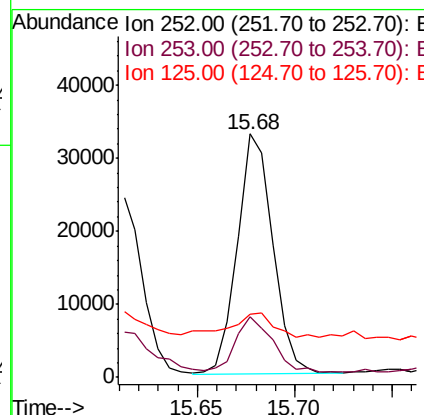
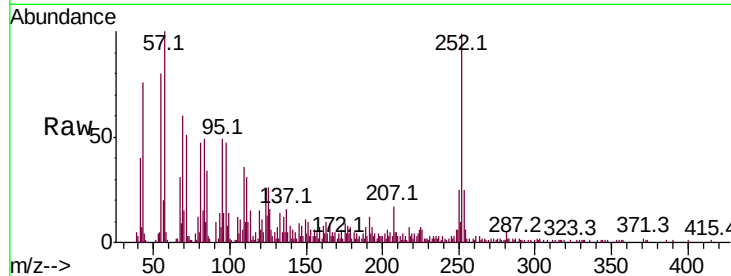
#89
Benzo(a)pyrene
Concen: 3.179 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-75-048

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.1	25.7
125	26.1	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 2.028 ng
RT: 17.85 min Scan# 2637
Delta R.T. -0.02 min
Lab File: BF108439.D
Acq: 23 Aug 2018 23:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.7	17.9	26.9
138	27.0	21.8	32.8

