

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108434.D
 Acq On : 23 Aug 2018 21:27
 Operator : JU/SJ
 Sample : J4559-05 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Manual Integrations
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Sohil
 8/24/2018 12:14:13 PM

Quant Time: Aug 24 02:14:08 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	147623	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	596403	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	296035	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	523763	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	315520	20.00	ng	-0.01
86) Perylene-d12	15.74	264	330923	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	63056	7.73	ng	-0.02
7) Phenol-d6	6.61	99	88607	8.18	ng	-0.02
23) Nitrobenzene-d5	7.55	82	55640	5.21	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	18371	6.22	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	92983	5.04	ng	-0.01
78) Terphenyl-d14	13.12	244	63500	5.12	ng	-0.01
Target Compounds						
70) Phenanthrene	11.56	178	96494	3.906	ng	98
74) Fluoranthene	12.75	202	169178	6.275	ng	95
77) Pyrene	12.99	202	136506	6.834	ng	99
80) Benzo(a)anthracene	14.18	228	70752	3.907	ng	97
82) Chrysene	14.21	228	60653	3.654	ng	95
85) Indeno(1,2,3-cd)pyrene	17.35	276	31809	2.211	ng	# 90
87) Benzo(b)fluoranthene	15.27	252	80564m	4.074	ng	
89) Benzo(a)pyrene	15.67	252	55117	3.113	ng	95
91) Benzo(g,h,i)perylene	17.84	276	29232	2.026	ng	# 92

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

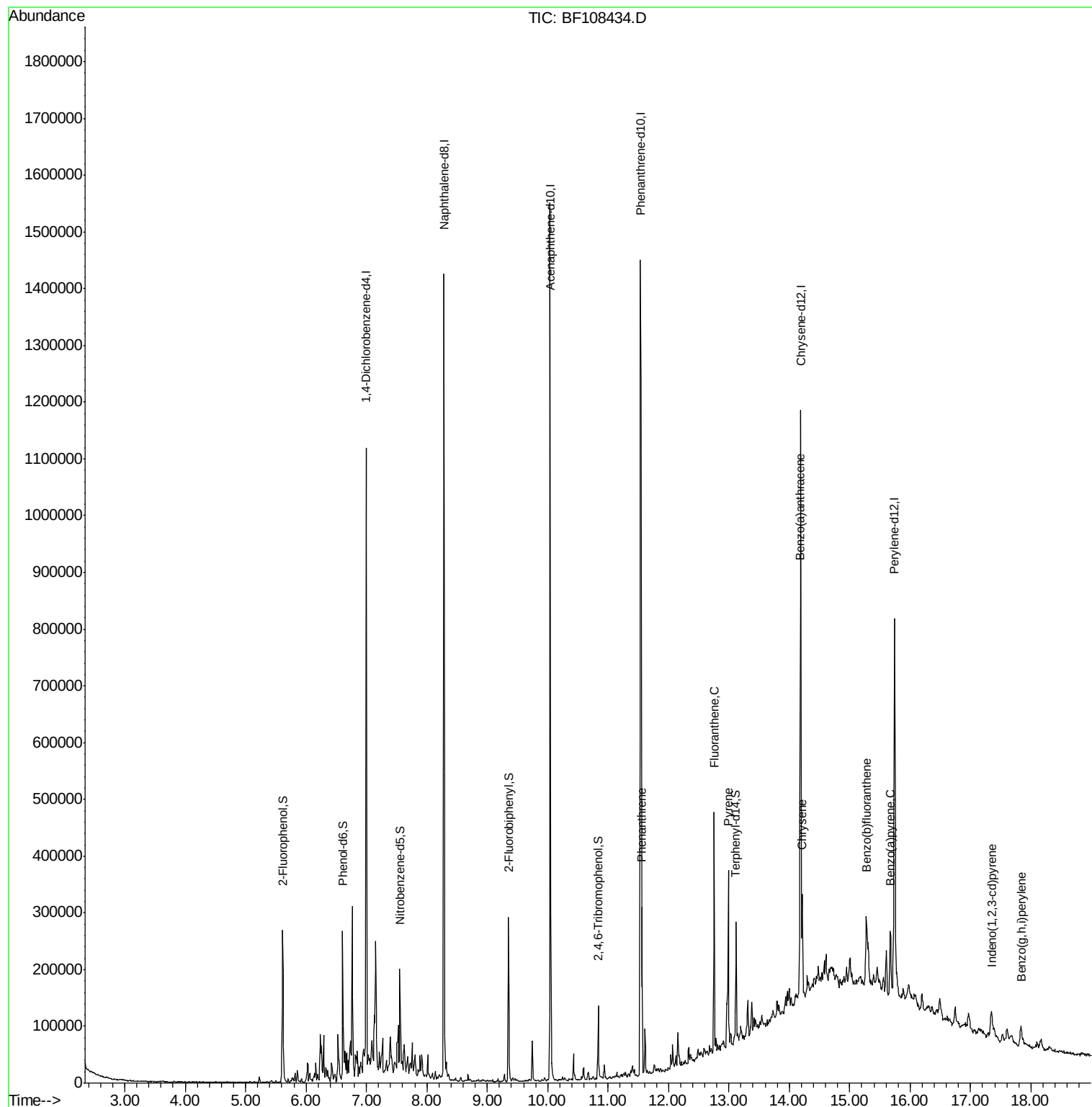
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108434.D
Acq On : 23 Aug 2018 21:27
Operator : JU/SJ
Sample : J4559-05 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

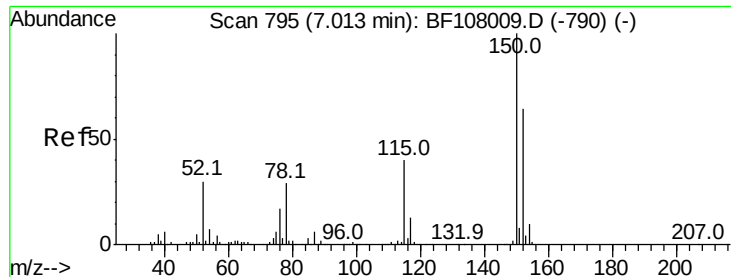
Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Manual Integrations
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#1

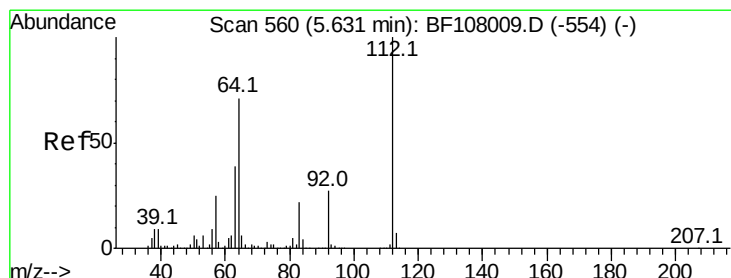
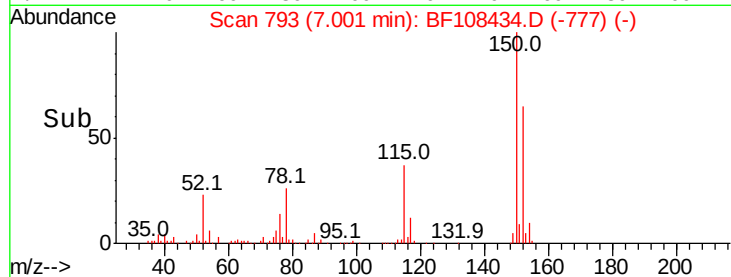
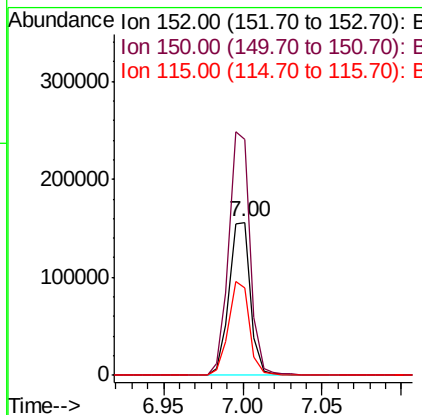
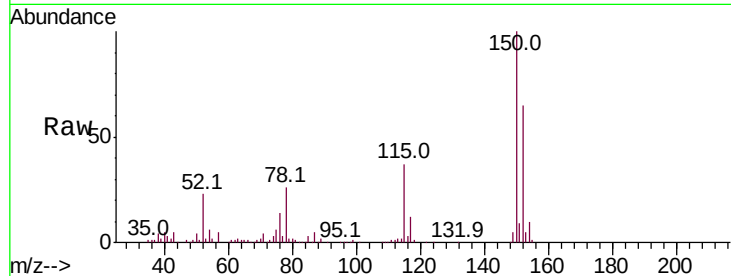
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.6	186.8
115	57.1	50.1	75.1

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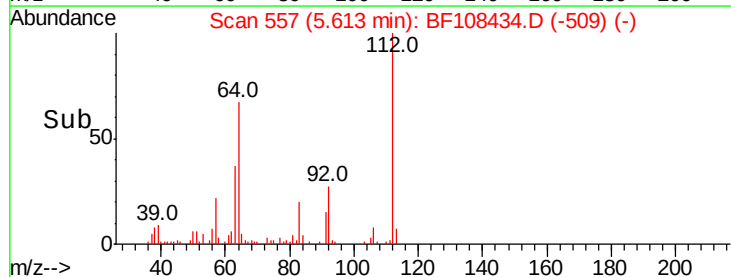
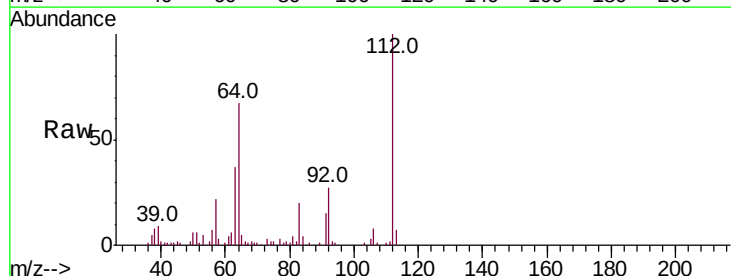
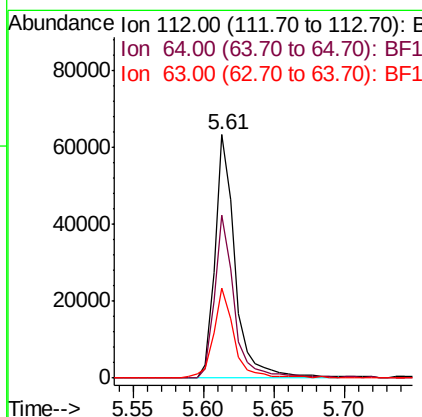
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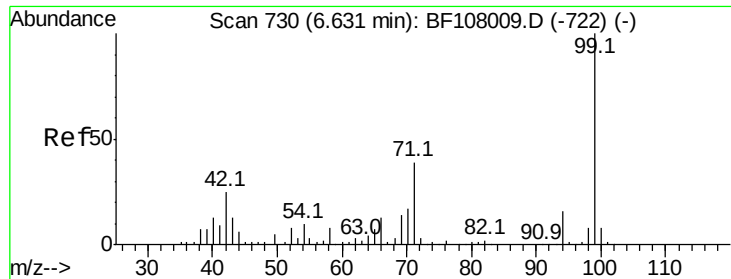


#5

2-Fluorophenol
Concen: 7.733 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	36.8	23.7	35.5#





#7

Phenol-d6

Concen: 8.178 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

ClientSampleId :

RA-081718-WSW-20-049

Tot Ion: 99 Resp: 88607

Ion Ratio Lower Upper

99 100

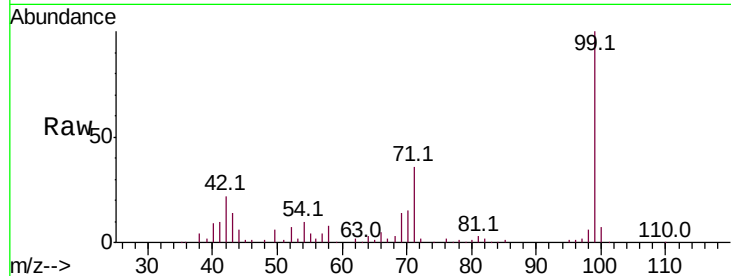
42 22.5 14.5 21.7#

71 35.7 25.4 38.0

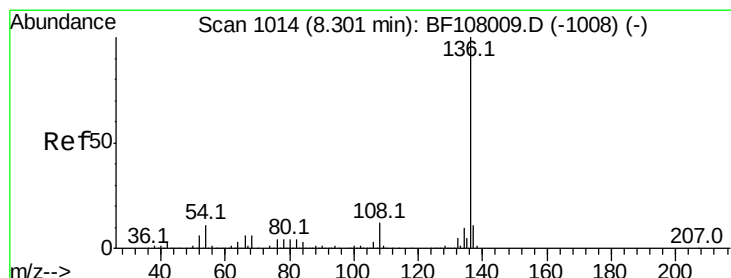
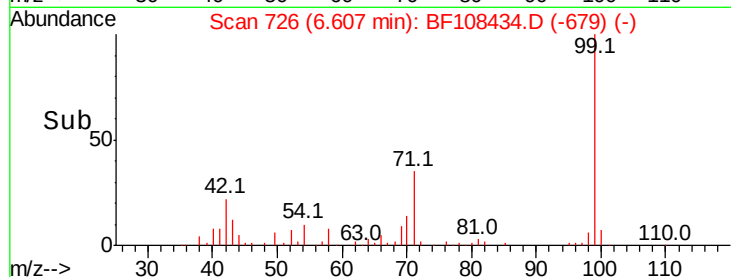
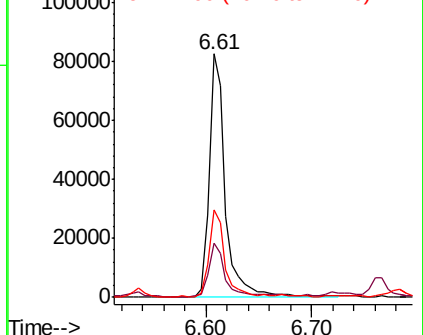
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Tgt Ion: 136 Resp: 596403

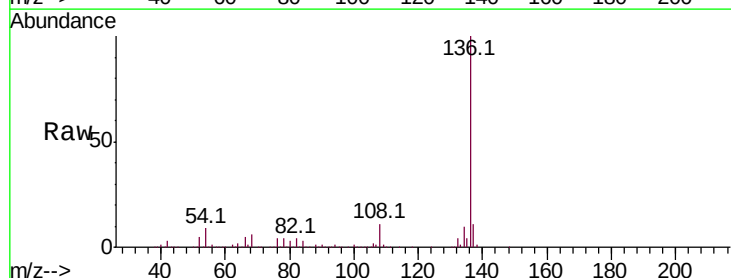
Ion Ratio Lower Upper

136 100

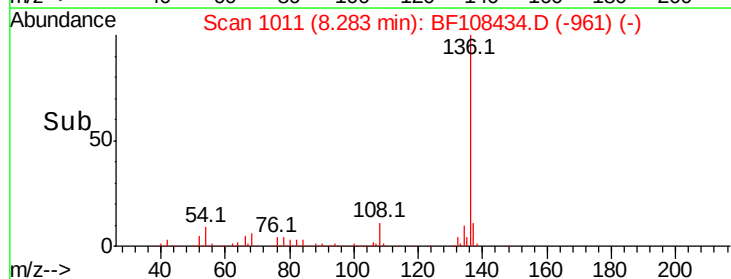
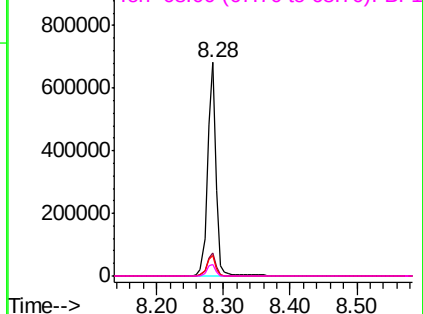
137 11.0 8.9 13.3

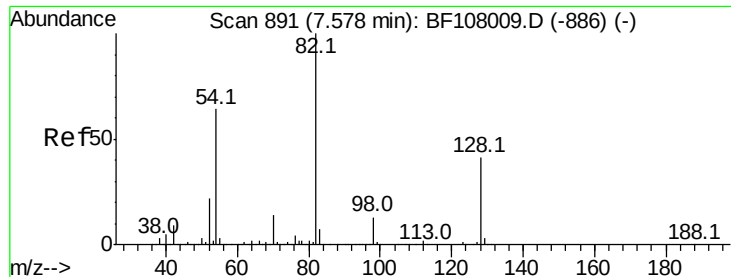
54 9.5 6.6 9.8

68 5.7 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





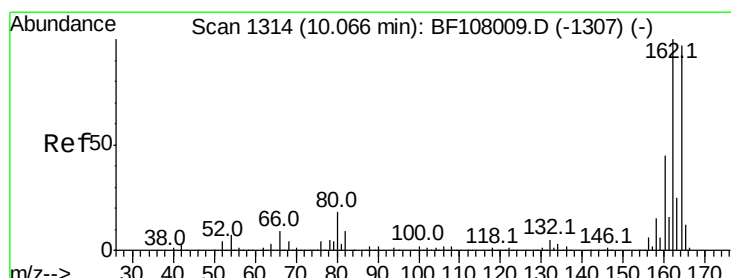
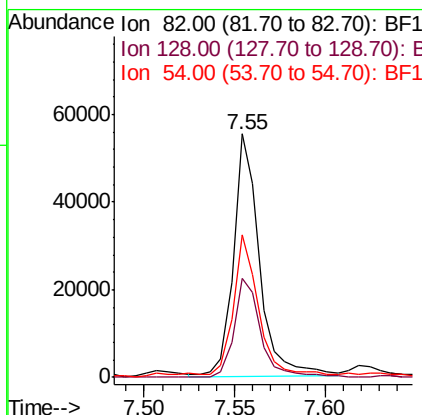
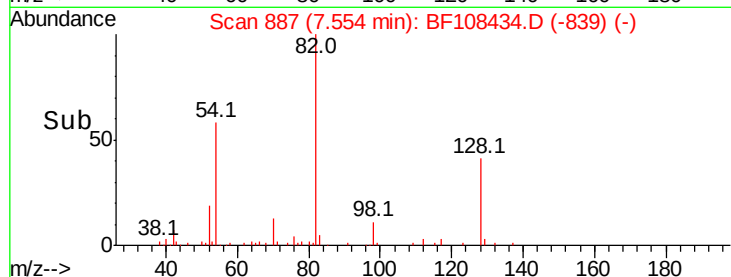
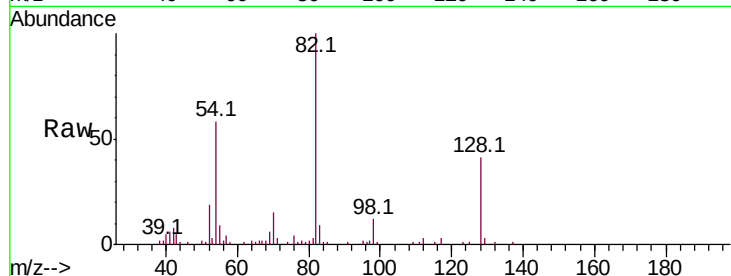
#23
Nitrobenzene-d5
Concen: 5.206 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	36.1	54.1
54	58.4	41.4	62.2

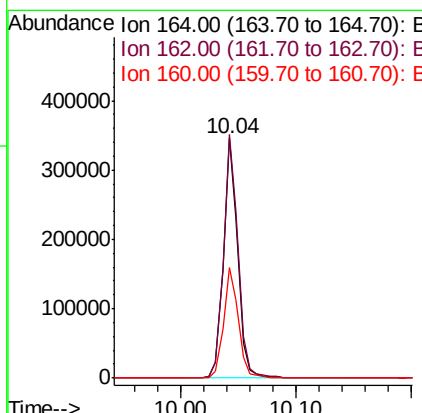
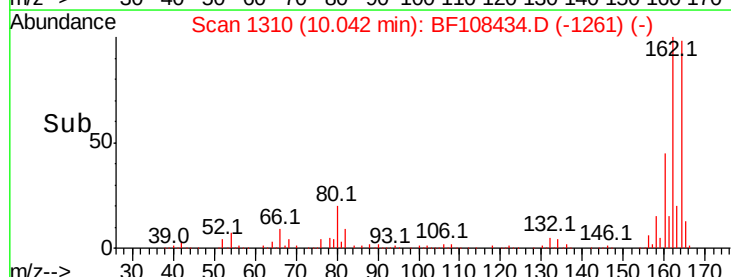
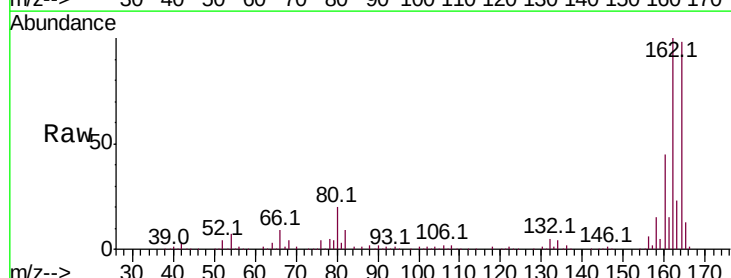
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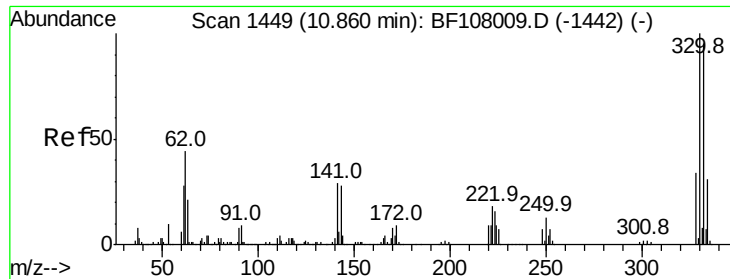
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	46.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 6.221 ng

RT: 10.84 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

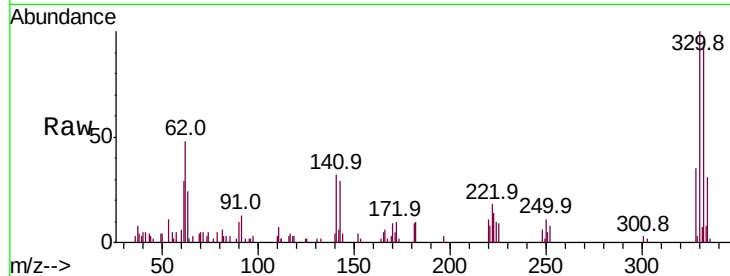
ClientSampleId :

RA-081718-WSW-20-049

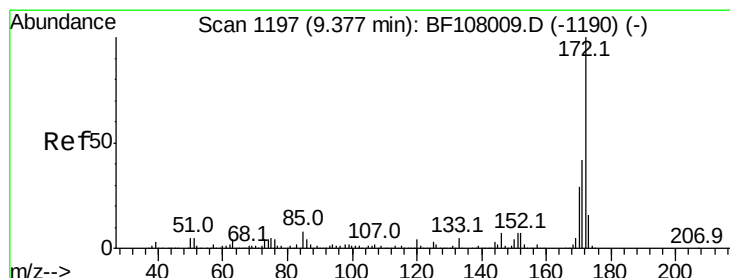
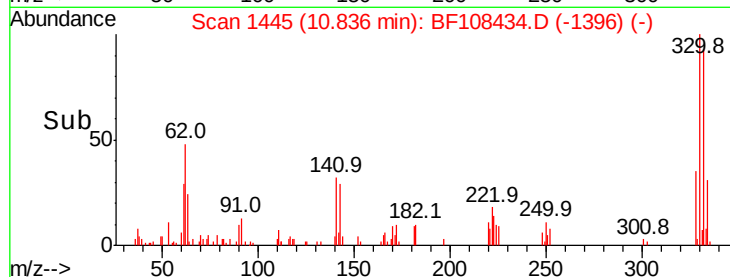
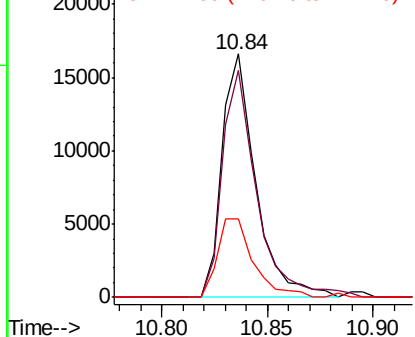
Tot Ion:	330	Resp:	18371
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.0	115.6
141	34.7	29.9	44.9

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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: 5.043 ng

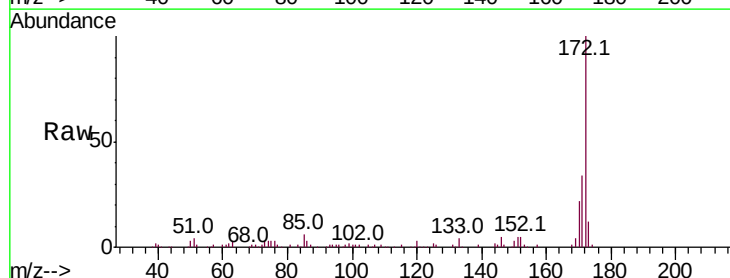
RT: 9.35 min Scan# 1193

Delta R.T. -0.01 min

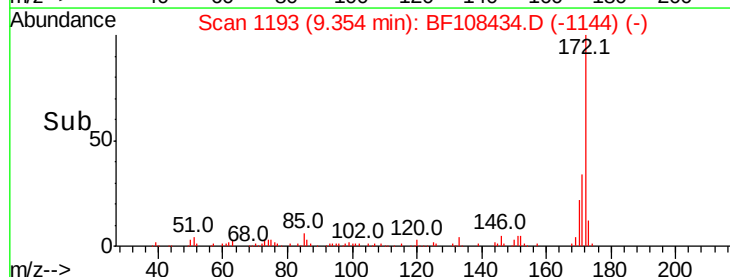
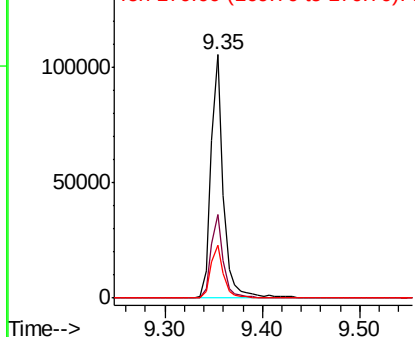
Lab File: BF108434.D

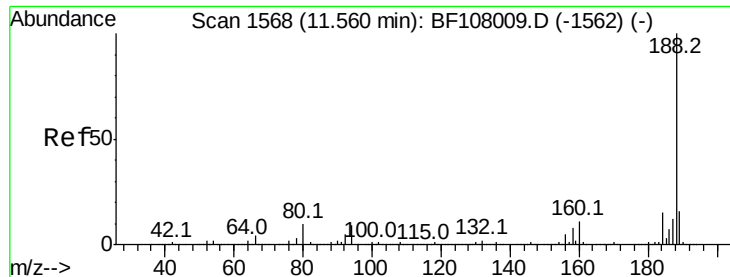
Acq: 23 Aug 2018 21:27

Tgt Ion:	172	Resp:	92983
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.7	44.5
170	21.5	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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

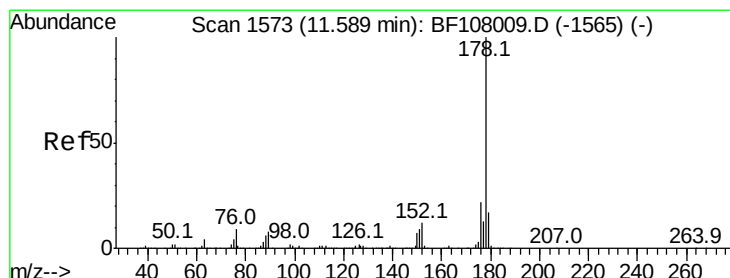
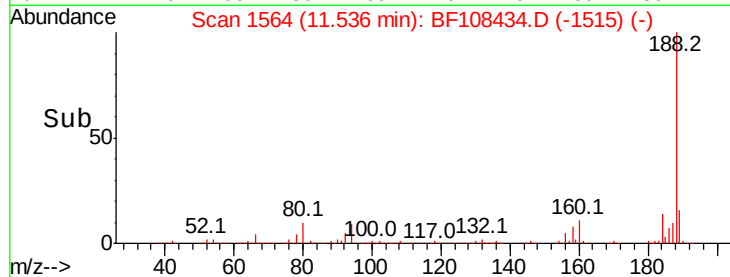
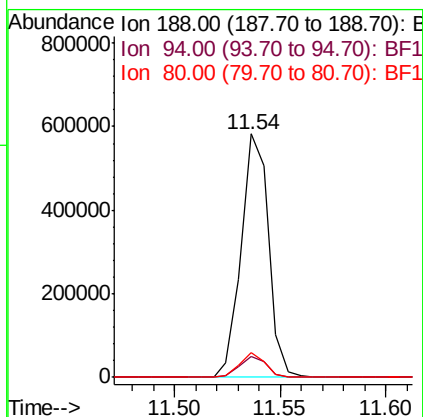
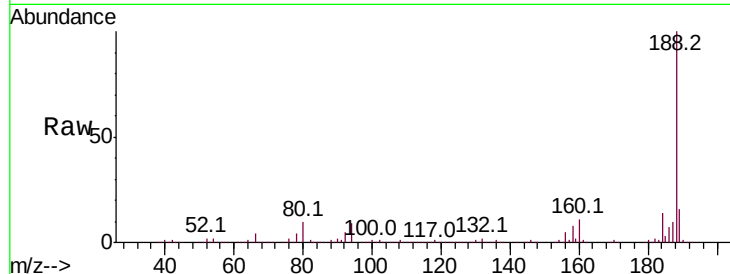
ClientSampleId :

RA-081718-WSW-20-049

Tot Ion	188	Resp	523763
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.5	12.7
80	10.4	9.2	13.8

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#70

Phenanthrene

Concen: 3.906 ng

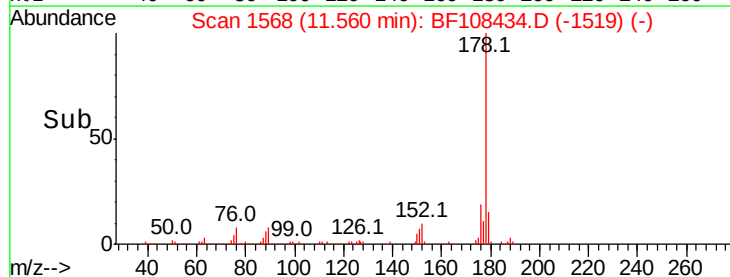
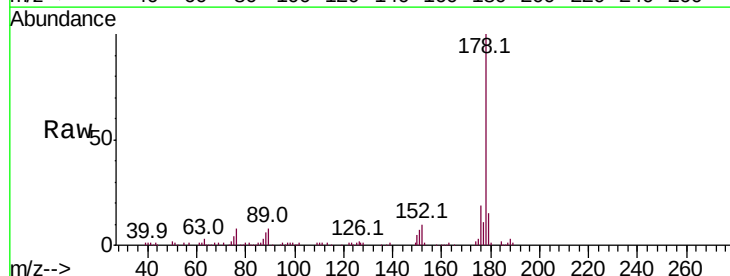
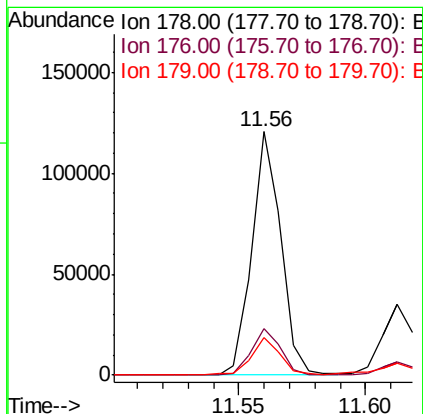
RT: 11.56 min Scan# 1568

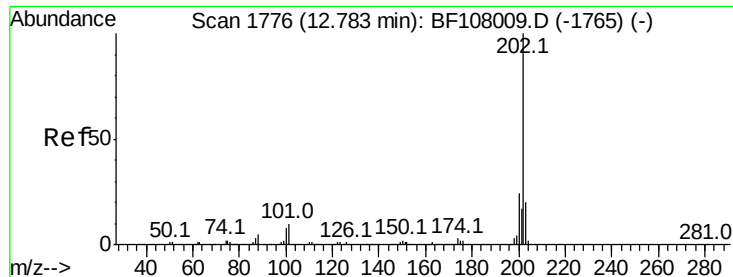
Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Tgt Ion	178	Resp	96494
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	15.4	13.0	19.6





#74

Fluoranthene

Concen: 6.275 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

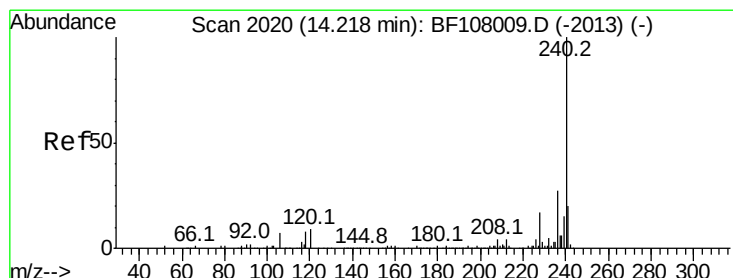
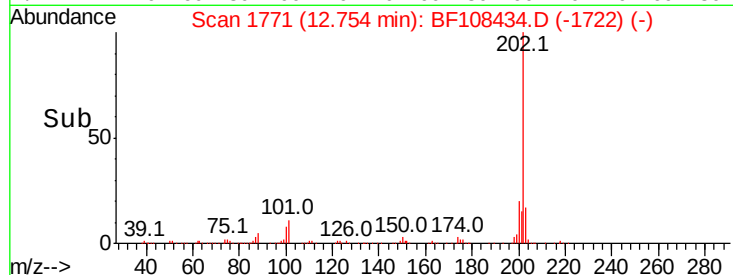
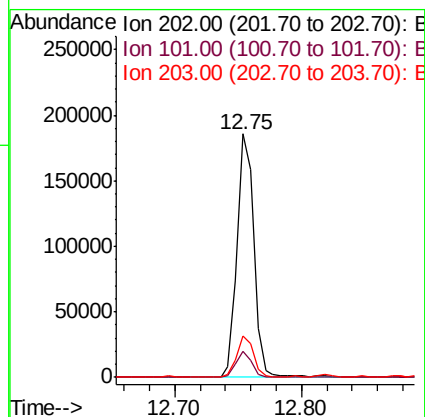
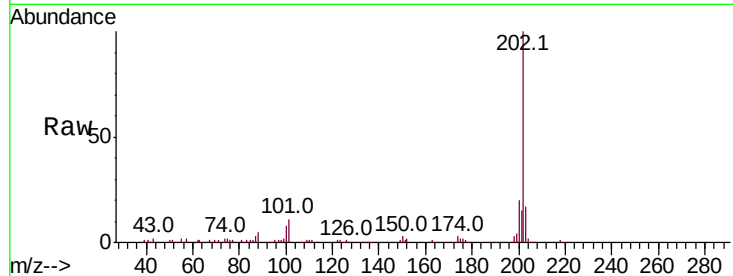
ClientSampleId :

RA-081718-WSW-20-049

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.6	0.0	34.1		
203	17.2	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

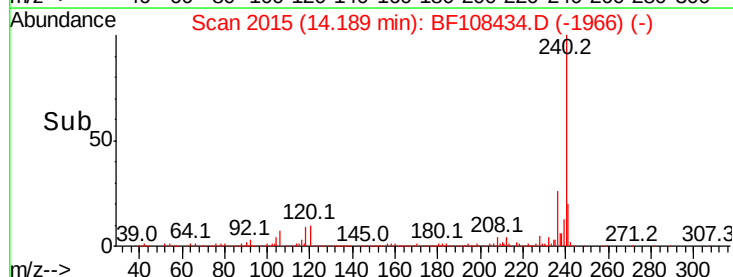
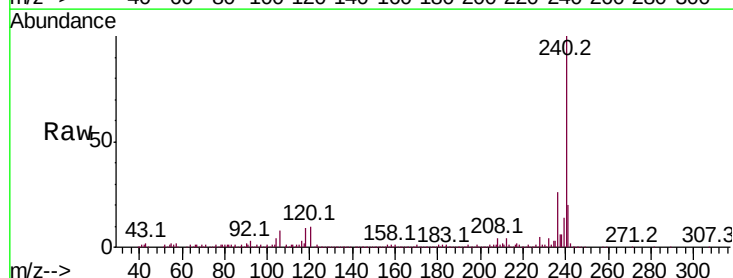
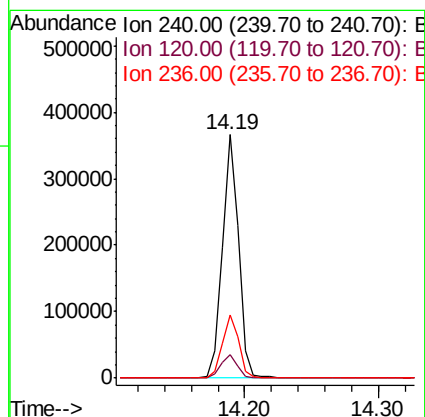
RT: 14.19 min Scan# 2015

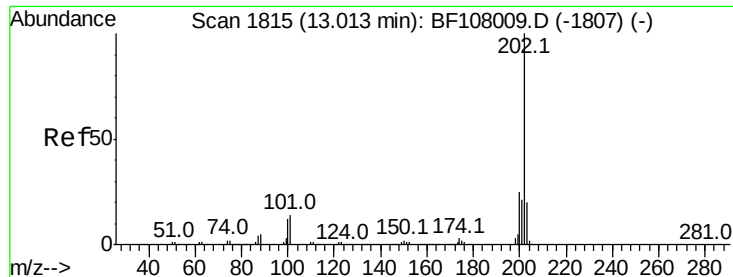
Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	9.9	9.5	14.3		
236	26.2	20.7	31.1		





#77

Pvrene

Concen: 6.834 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

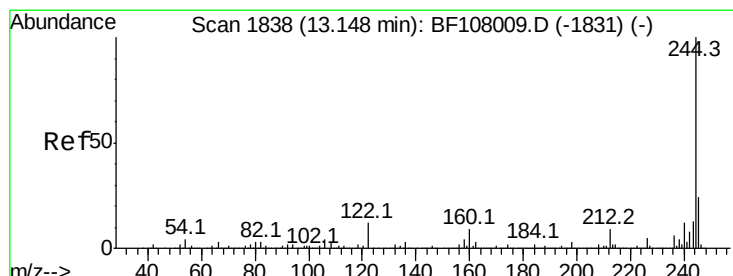
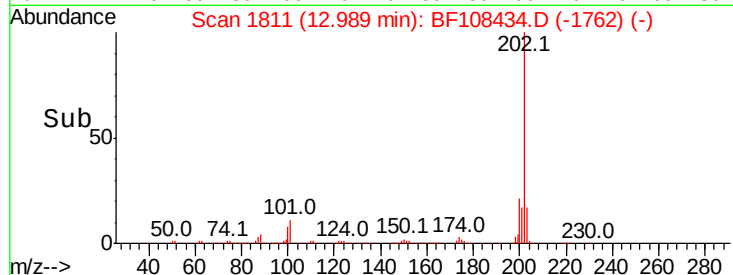
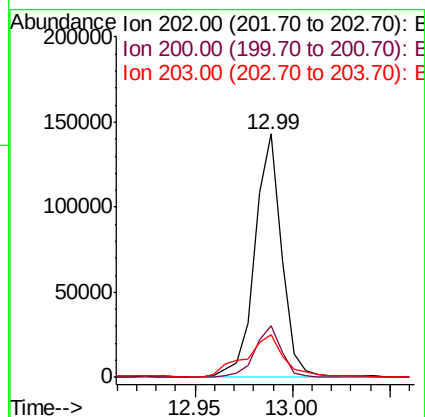
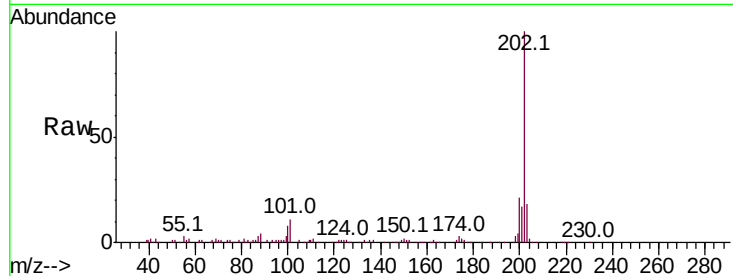
ClientSampleId :

RA-081718-WSW-20-049

Tot Ion:	202	Resp:	136506
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 5.117 ng

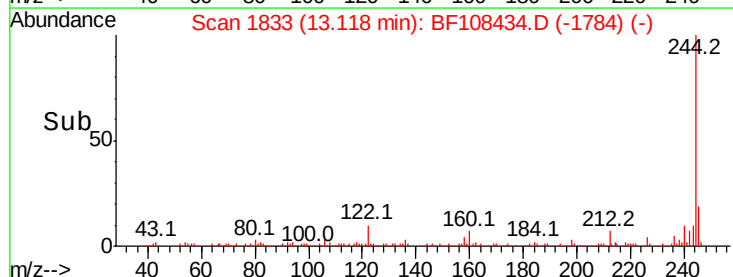
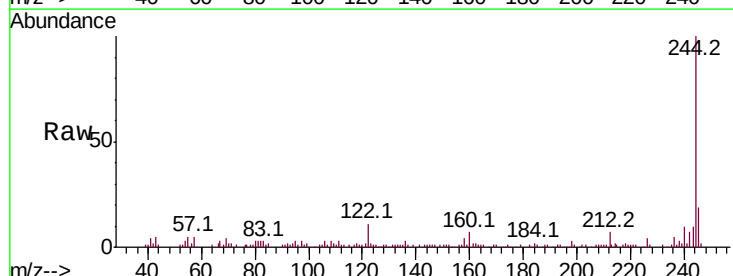
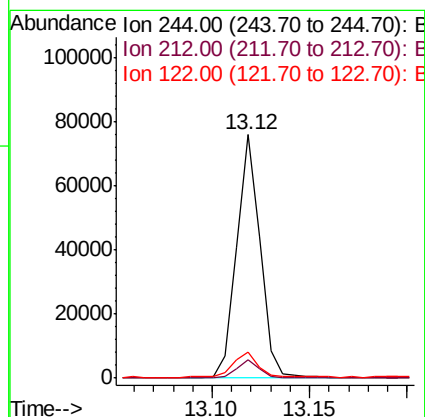
RT: 13.12 min Scan# 1833

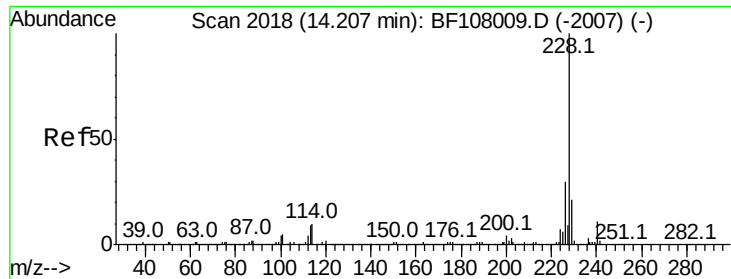
Delta R.T. -0.01 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Tgt Ion:	244	Resp:	63500
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.4	8.0
122	10.7	11.0	16.4#





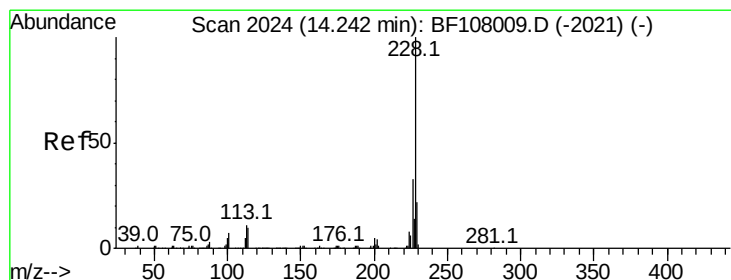
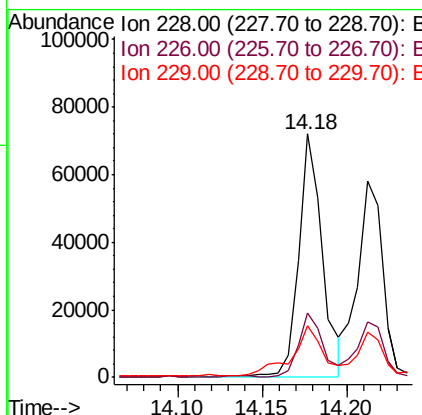
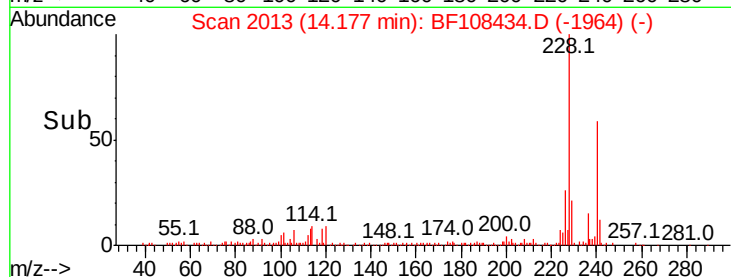
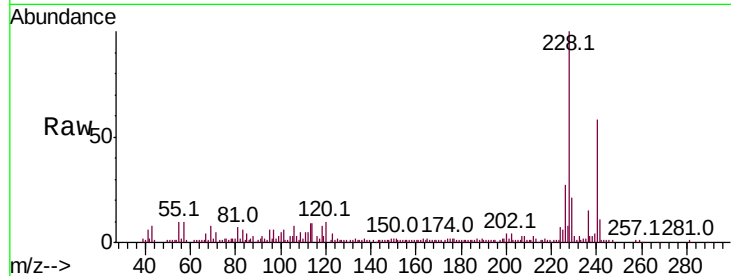
#80
Benzo(a)anthracene
Concen: 3.907 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Instrument :
BNA_F
ClientSampleId :
RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.6	33.8
229	21.3	15.8	23.6

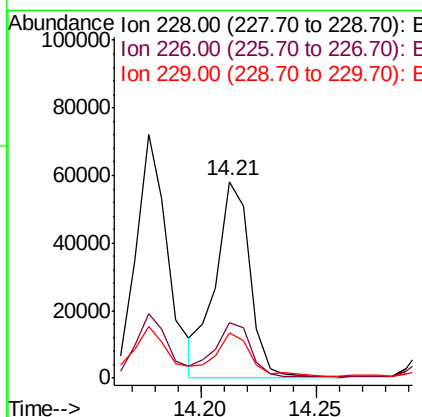
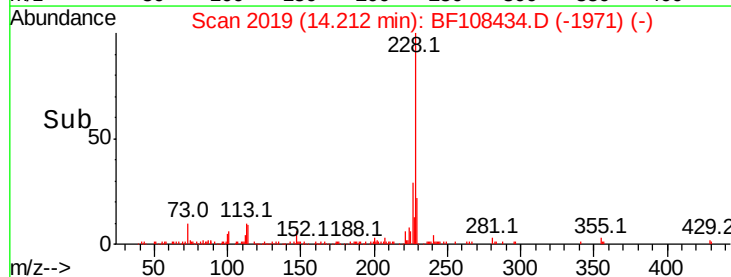
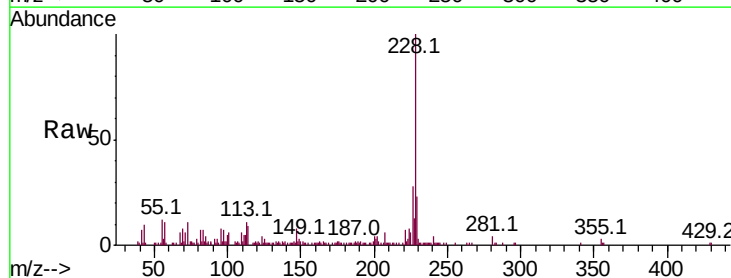
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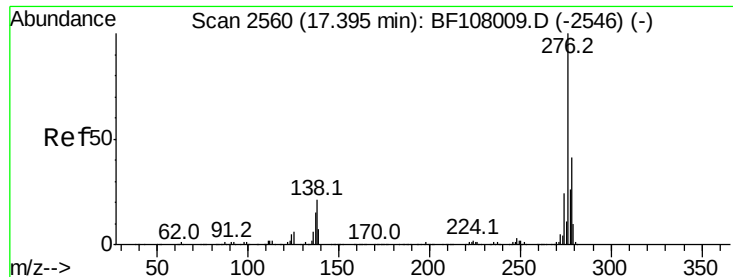
Sohil
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#82
Chrysene
Concen: 3.654 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108434.D
Acq: 23 Aug 2018 21:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.0	37.6
229	22.9	16.2	24.4





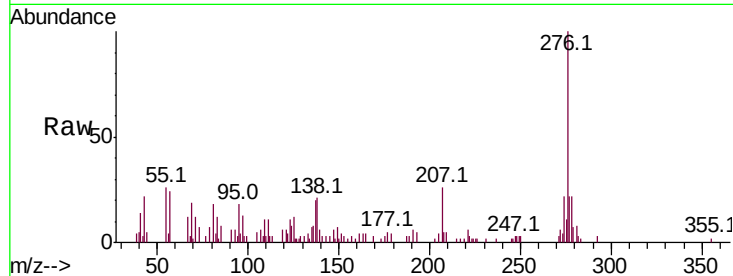
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.211 ng
 RT: 17.35 min Scan# 2552
 Delta R.T. -0.02 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	26.5	20.1	30.1

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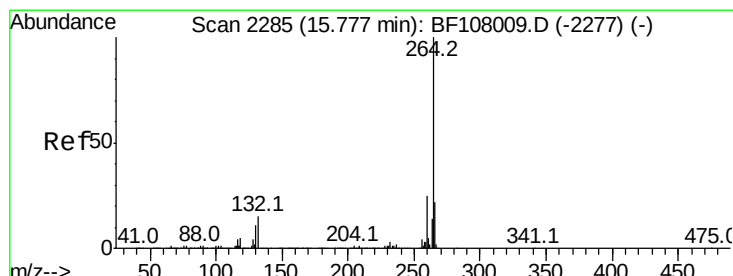
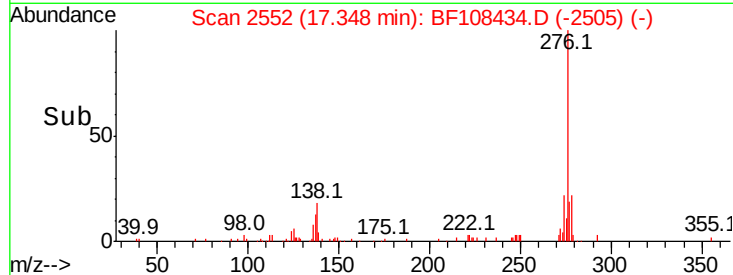
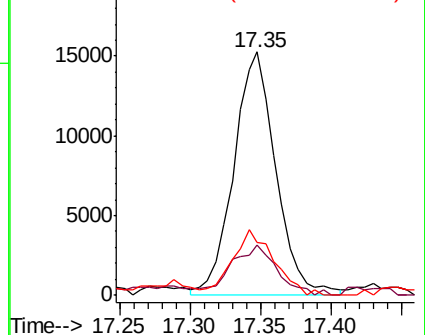


Abundance

Ion 276.00 (275.70 to 276.70): E

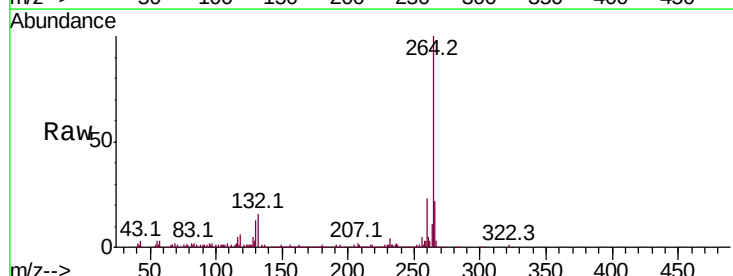
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.74 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.8	17.5	26.3

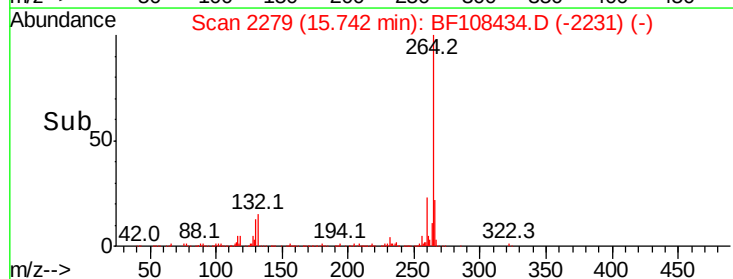
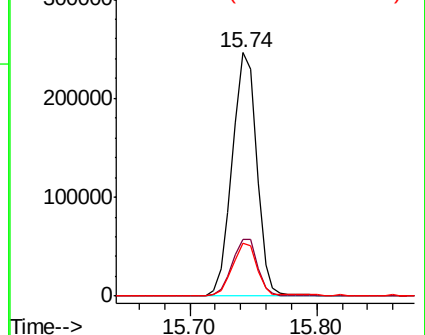


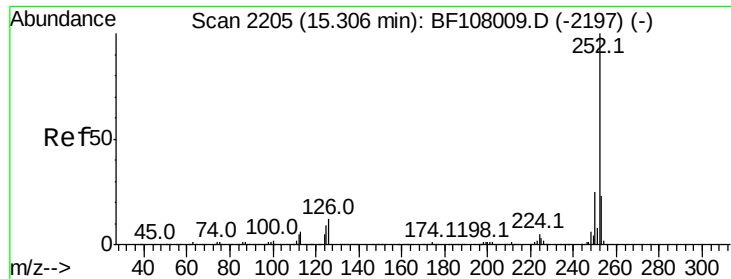
Abundance

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: 4.074 ng/mL

RT: 15.27 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Instrument :

BNA_F

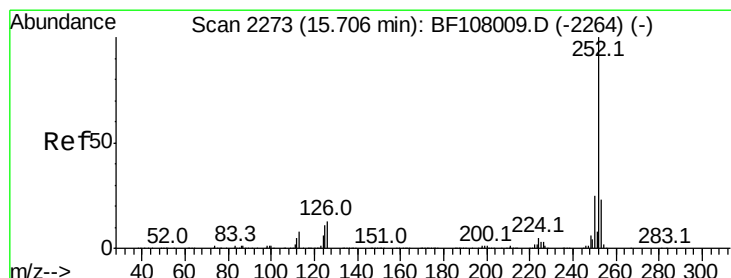
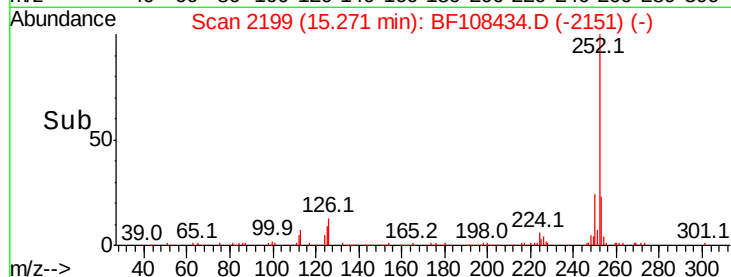
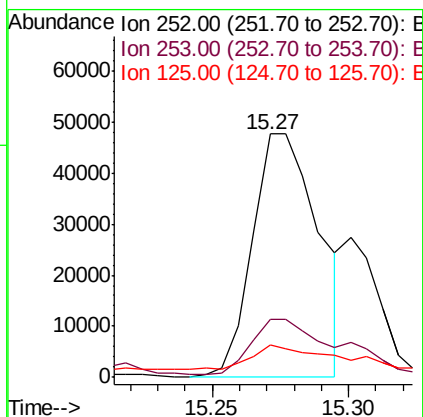
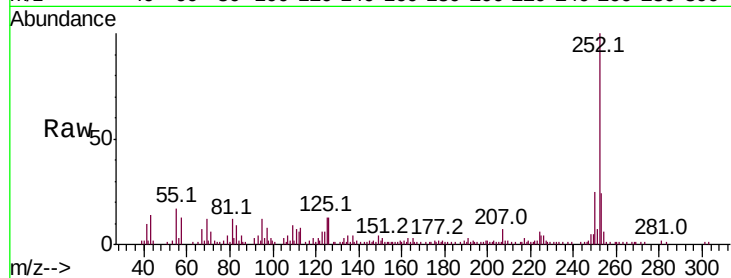
ClientSampleId :

RA-081718-WSW-20-049

Tot Ion:	252	Resp:	80564
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.0	25.6
125	13.2	9.0	13.6

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#89

Benzo(a)pyrene

Concen: 3.113 ng/mL

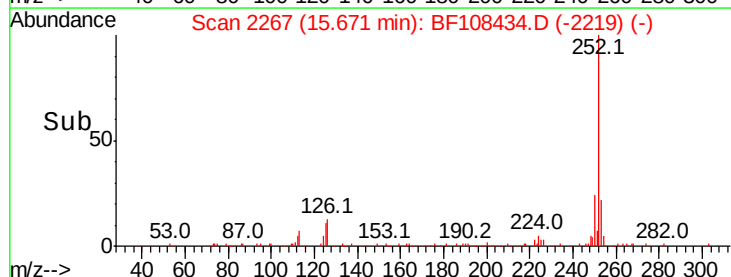
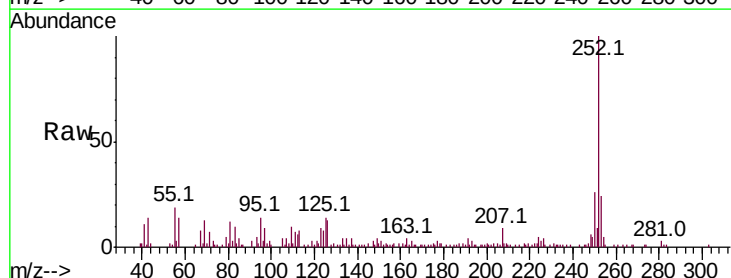
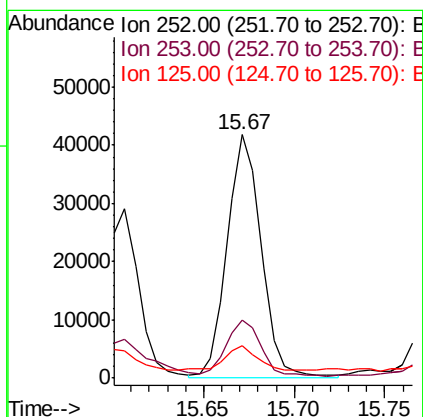
RT: 15.67 min Scan# 2267

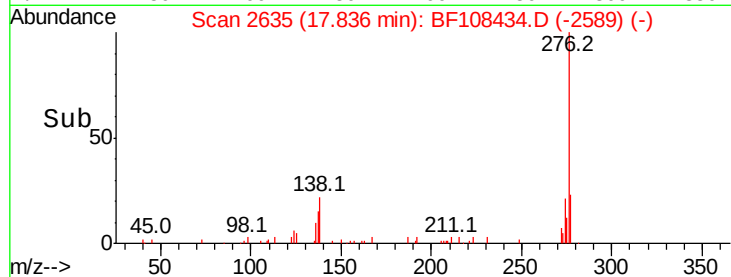
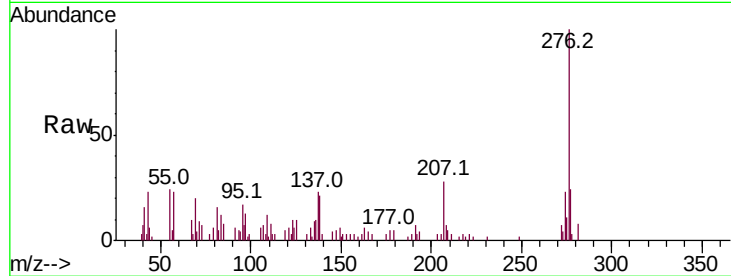
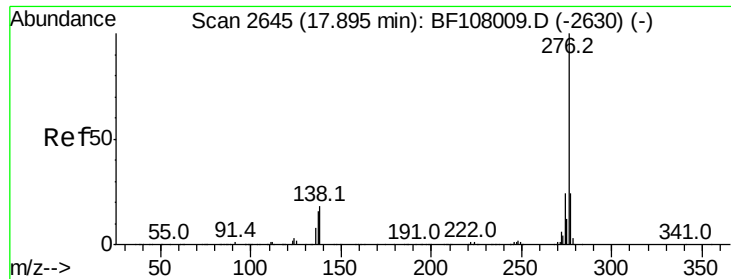
Delta R.T. -0.02 min

Lab File: BF108434.D

Acq: 23 Aug 2018 21:27

Tgt Ion:	252	Resp:	55117
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	13.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.026 ng
 RT: 17.84 min Scan# 2635
 Delta R.T. -0.03 min
 Lab File: BF108434.D
 Acq: 23 Aug 2018 21:27

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-WSW-20-049

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	21.2	21.8	32.8#

Manual Integrations
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