

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108433.D
 Acq On : 23 Aug 2018 21:00
 Operator : JU/SJ
 Sample : J4535-06 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-NSW-15-038

Manual Integrations
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Quant Time: Aug 24 02:03:33 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	153119	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	592138	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	292383	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	526600	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	311493	20.00	ng	-0.01
86) Perylene-d12	15.75	264	315456	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	173995	20.57	ng	-0.02
7) Phenol-d6	6.61	99	241937	21.53	ng	-0.02
23) Nitrobenzene-d5	7.55	82	157862	14.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	59194	20.30	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	313776	17.23	ng	-0.01
78) Terphenyl-d14	13.12	244	246083	20.09	ng	-0.01
Target Compounds						
70) Phenanthrene	11.56	178	117815	4.743	ng	99
74) Fluoranthene	12.75	202	155061	5.720	ng	97
77) Pyrene	12.99	202	136671	6.930	ng	99
80) Benzo(a)anthracene	14.18	228	66772	3.735	ng	# 93
82) Chrysene	14.22	228	71182	4.343	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.35	276	44267	3.117	ng	# 87
87) Benzo(b)fluoranthene	15.28	252	93996m	4.987	ng	
89) Benzo(a)pyrene	15.68	252	58486	3.465	ng	# 92
91) Benzo(g,h,i)perylene	17.84	276	47987	3.489	ng	# 90

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

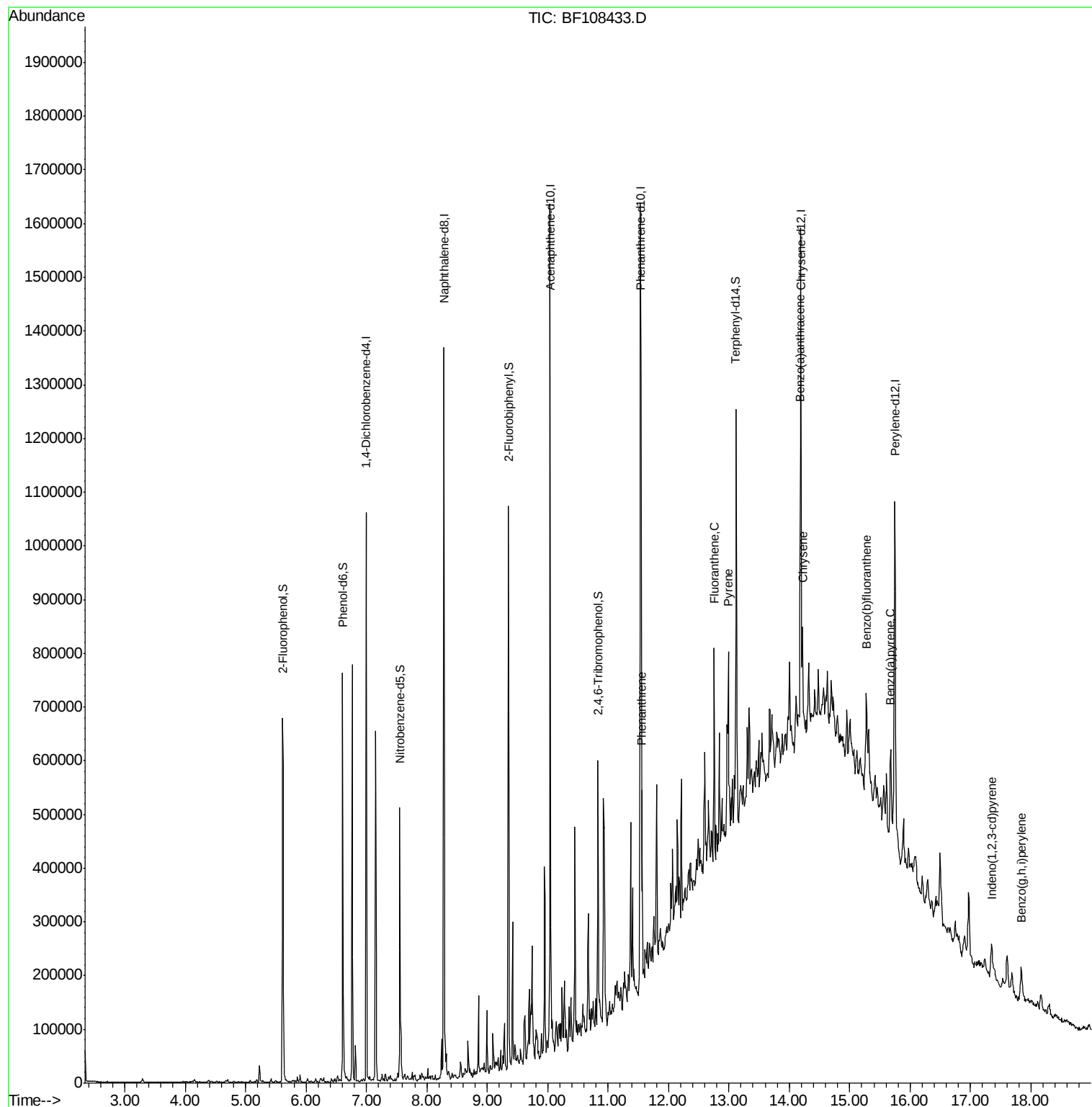
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108433.D
Acq On : 23 Aug 2018 21:00
Operator : JU/SJ
Sample : J4535-06 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

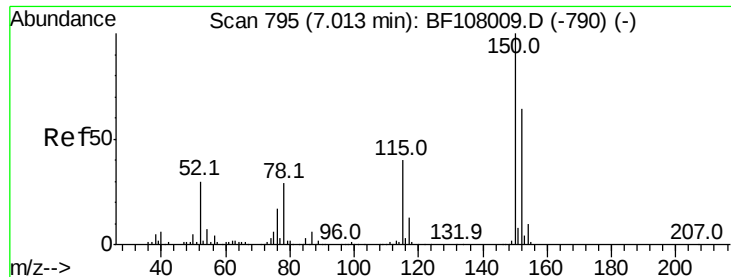
Instrument :
BNA_F
ClientSampleId :
RA-081618-NSW-15-038

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

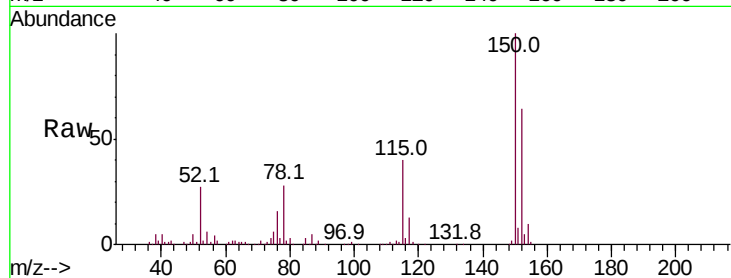
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108433.D
Acq: 23 Aug 2018 21:00

Instrument :
BNA_F
ClientSampleId :
RA-081618-NSW-15-038

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	61.9	50.1	75.1

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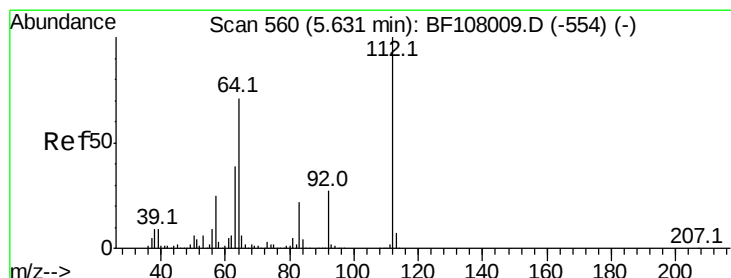
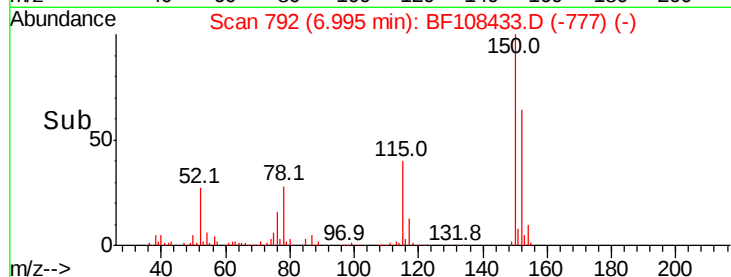
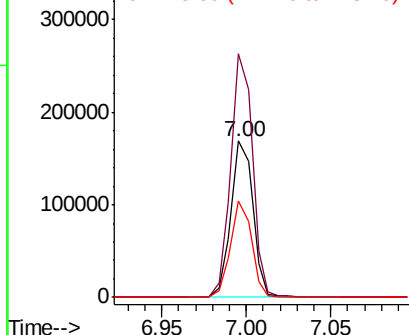


Abundance

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: 20.573 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF108433.D
Acq: 23 Aug 2018 21:00

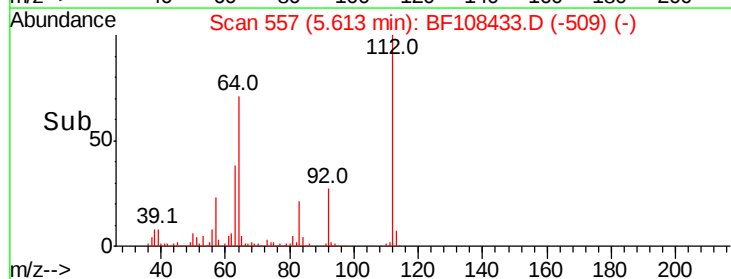
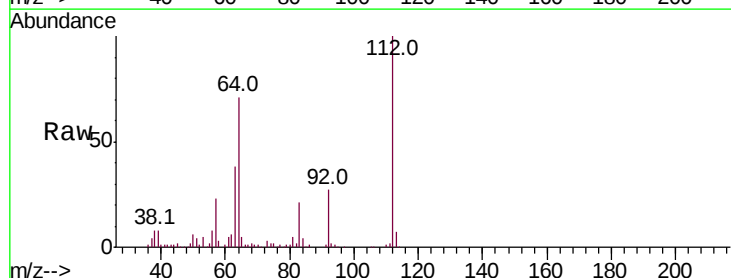
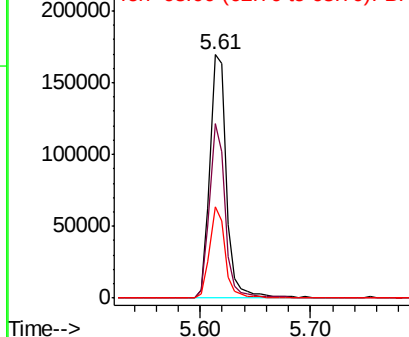
Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.5	47.9	71.9
63	37.6	23.7	35.5

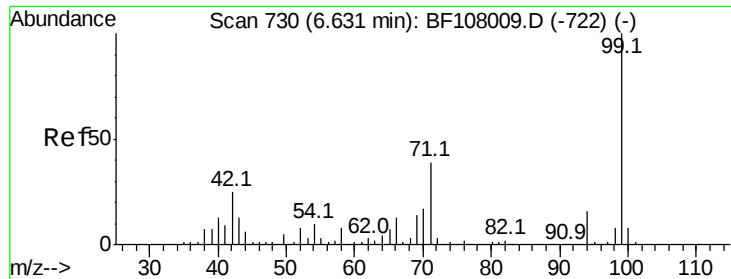
Abundance

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: 21.527 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Instrument :

BNA_F

ClientSampleId :

RA-081618-NSW-15-038

Tot Ion: 99 Resp: 241937

Ion Ratio Lower Upper

99 100

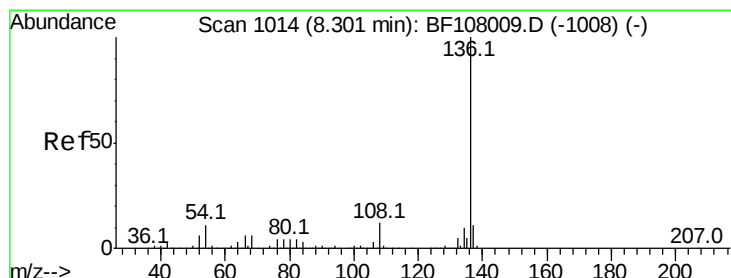
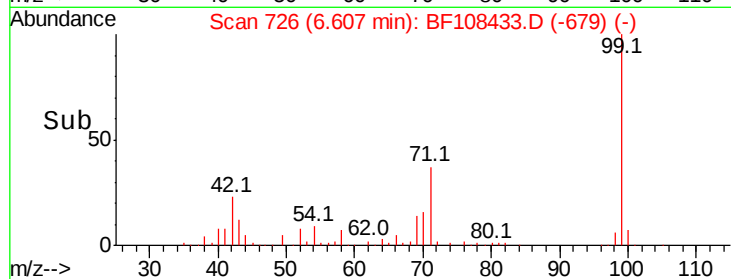
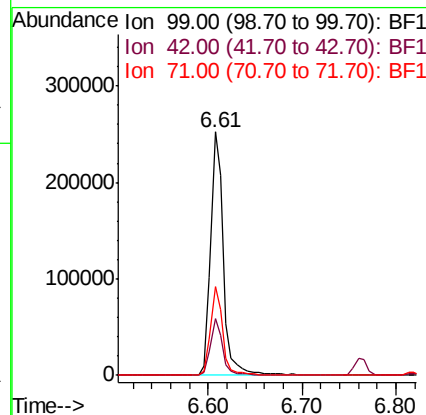
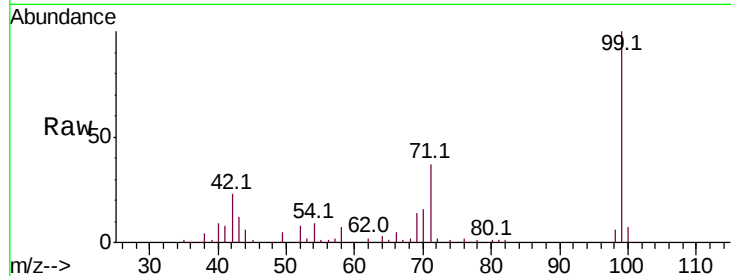
42 23.2 14.5 21.7#

71 36.6 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Tgt Ion: 136 Resp: 592138

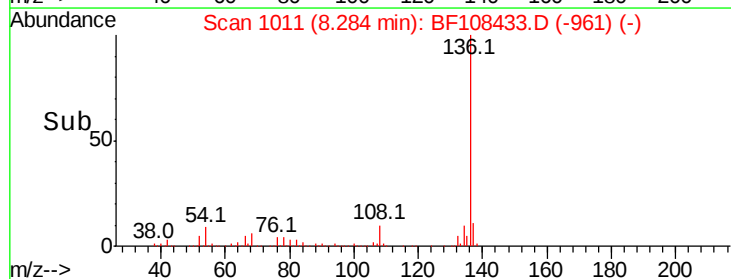
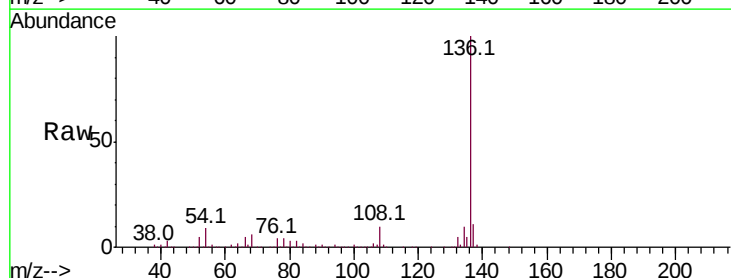
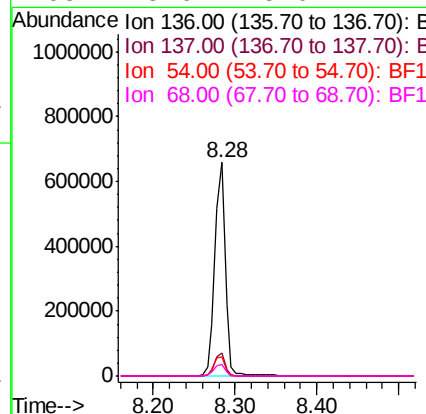
Ion Ratio Lower Upper

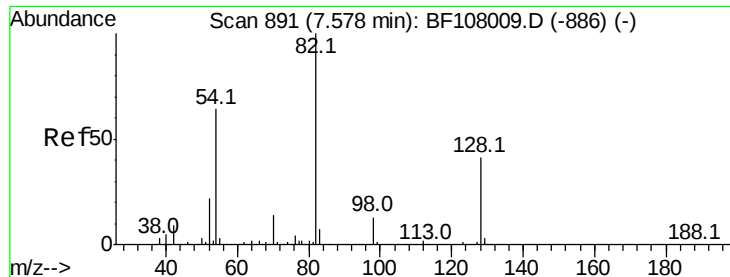
136 100

137 10.9 8.9 13.3

54 9.2 6.6 9.8

68 5.6 5.0 7.4





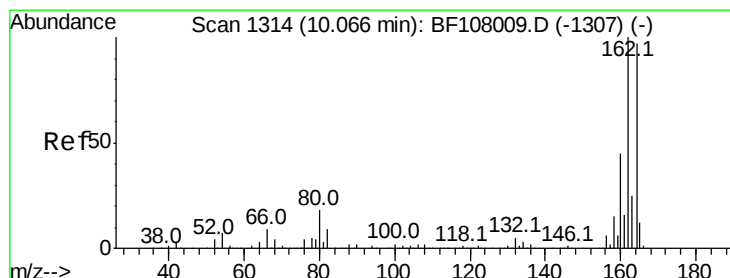
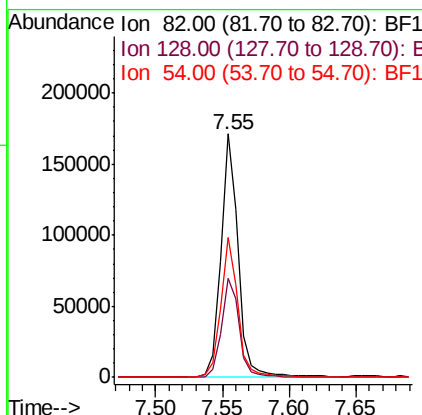
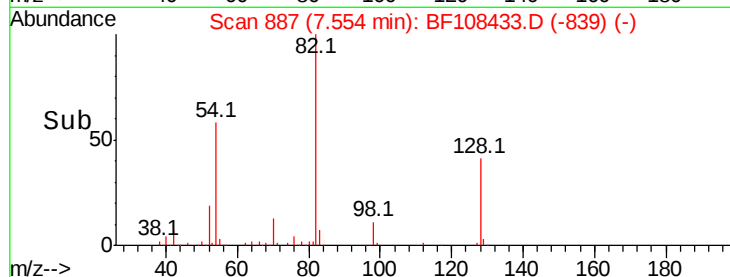
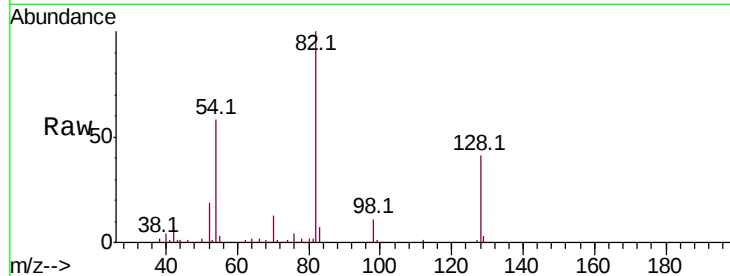
#23
Nitrobenzene-d5
Concen: 14.876 ng
RT: 7.55 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF108433.D
Acq: 23 Aug 2018 21:00

Instrument :
BNA_F
ClientSampleId :
RA-081618-NSW-15-038

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	36.1	54.1
54	57.6	41.4	62.2

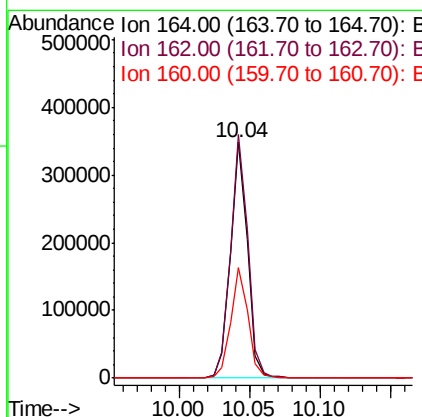
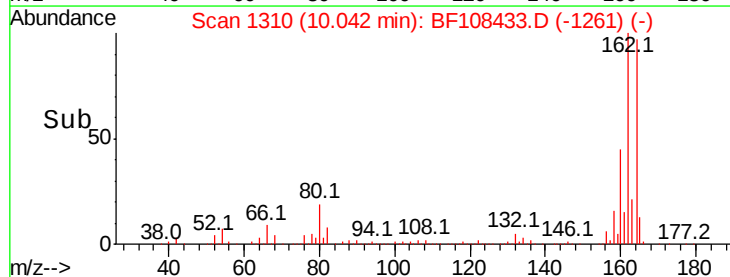
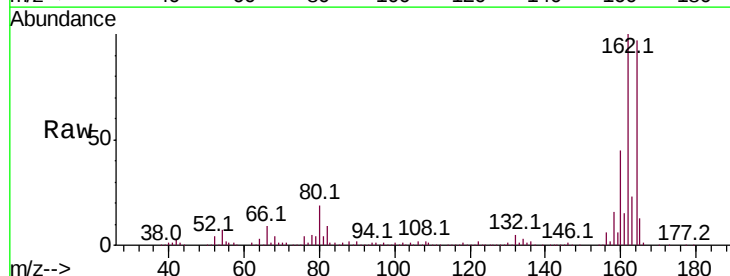
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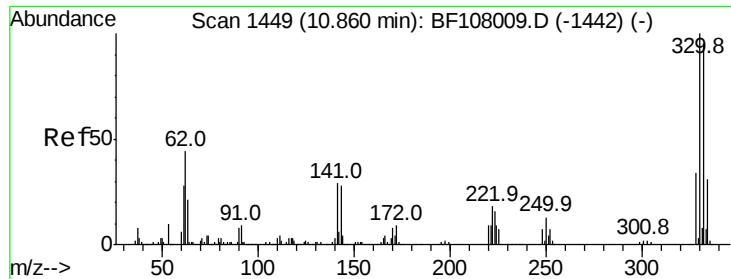
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108433.D
Acq: 23 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	46.7	38.3	57.5





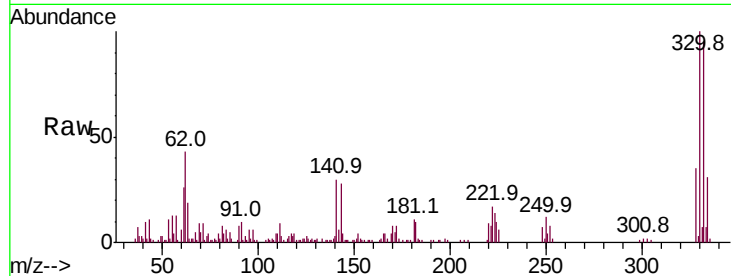
#41
 2,4,6-Tribromophenol
 Concen: 20.297 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108433.D
 Acq: 23 Aug 2018 21:00

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-NSW-15-038

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	35.1	29.9	44.9

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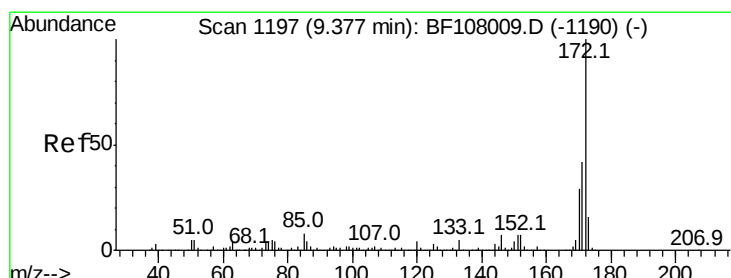
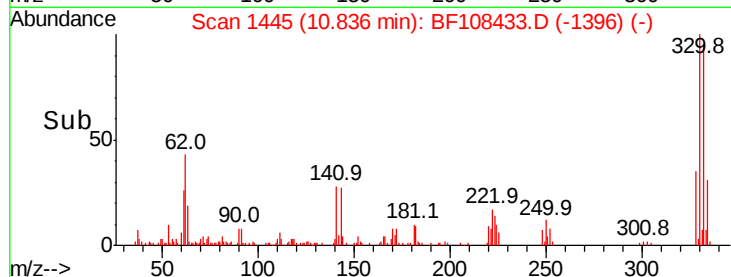
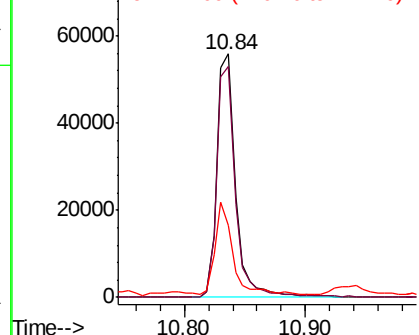


Abundance

Ion 329.80 (329.50 to 330.50): E

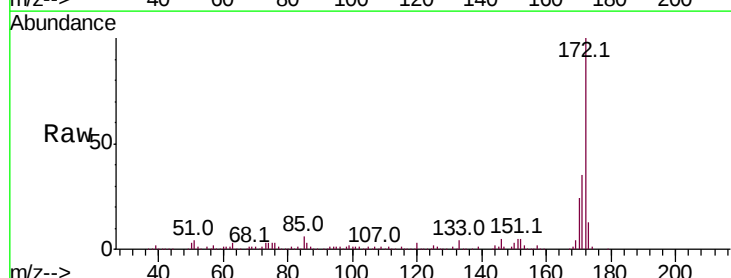
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 17.229 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108433.D
 Acq: 23 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.5	19.6	29.4

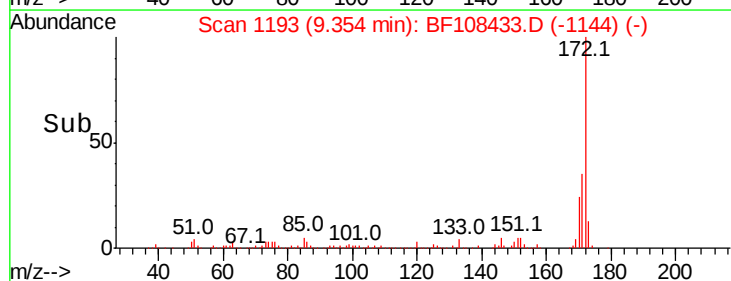
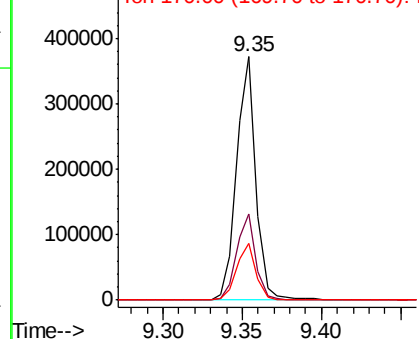


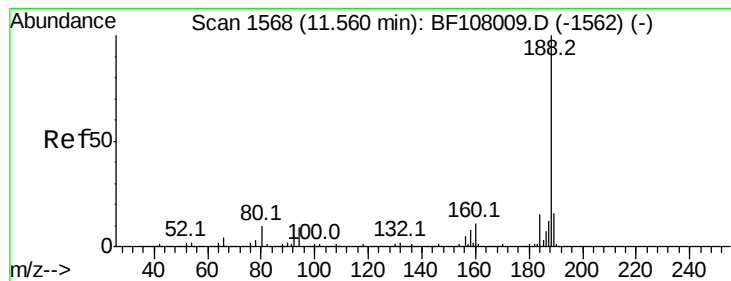
Abundance

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Instrument :

BNA_F

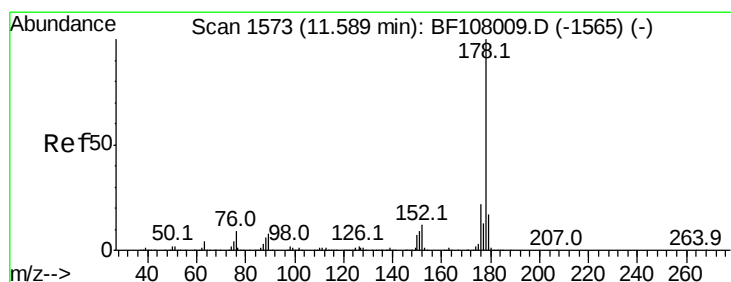
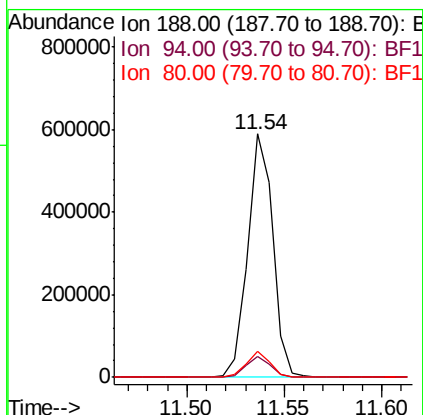
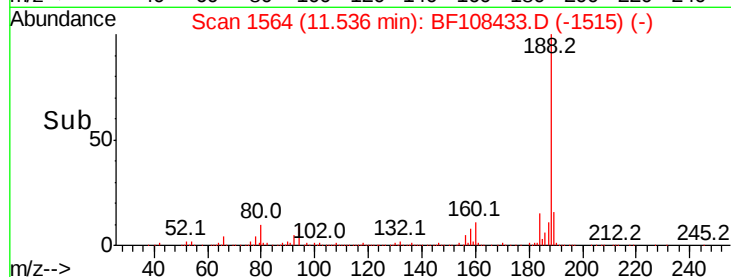
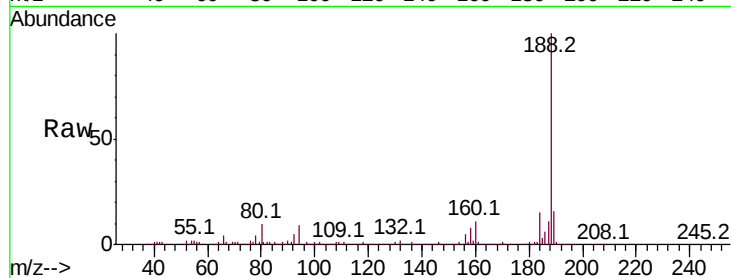
ClientSampleId :

RA-081618-NSW-15-038

Tot Ion:188	Resp:	526600
Ion Ratio	Lower	Upper
188 100		
94 8.8	8.5	12.7
80 10.5	9.2	13.8

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#70

Phenanthrene

Concen: 4.743 ng

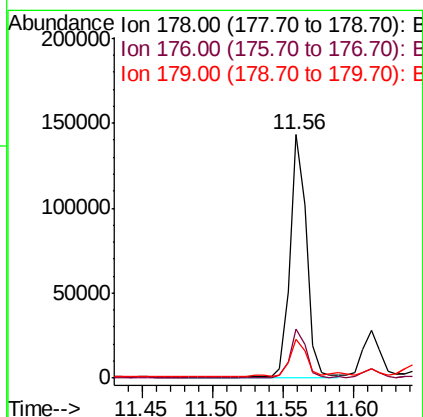
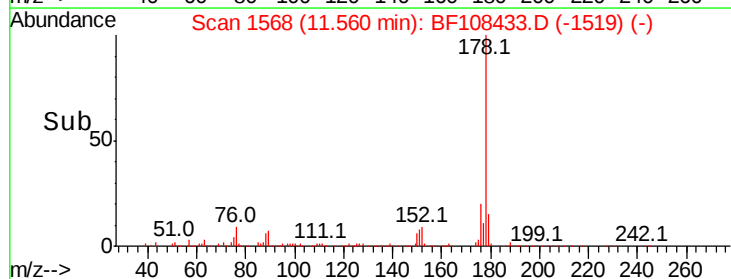
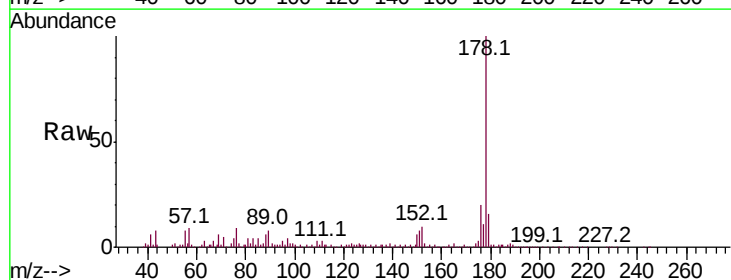
RT: 11.56 min Scan# 1568

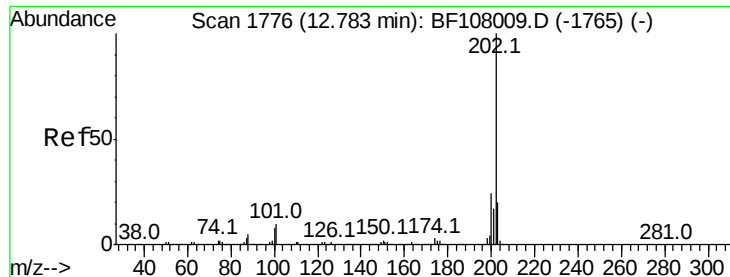
Delta R.T. -0.01 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Tgt Ion:178	Resp:	117815
Ion Ratio	Lower	Upper
178 100		
176 20.0	15.8	23.8
179 16.0	13.0	19.6





#74

Fluoranthene

Concen: 5.720 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Instrument :

BNA_F

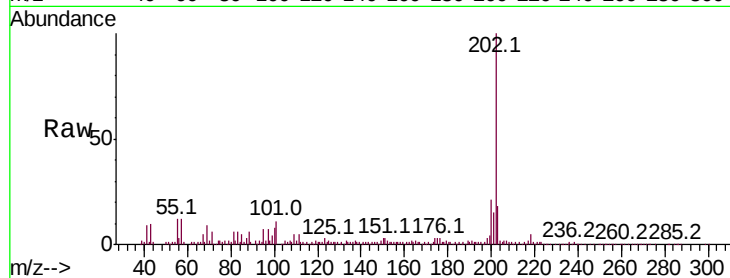
ClientSampleId :

RA-081618-NSW-15-038

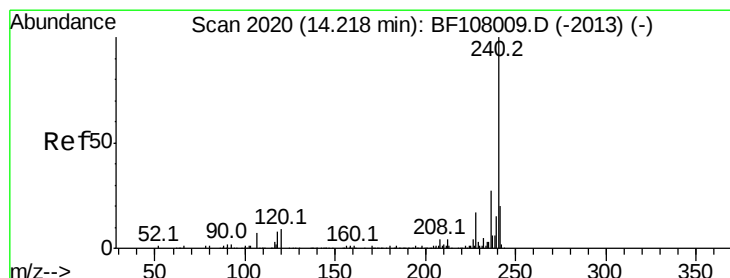
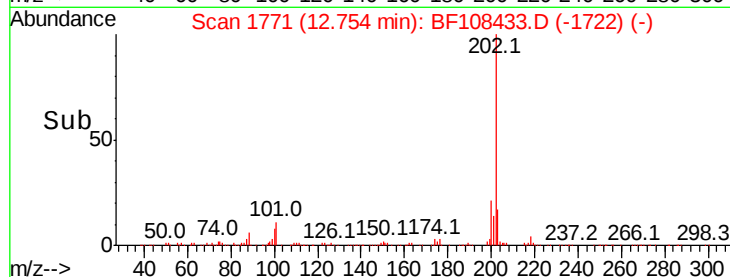
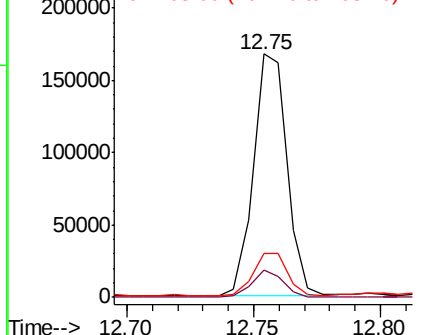
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.1	0.0	34.1
203	18.0	0.0	38.1

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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

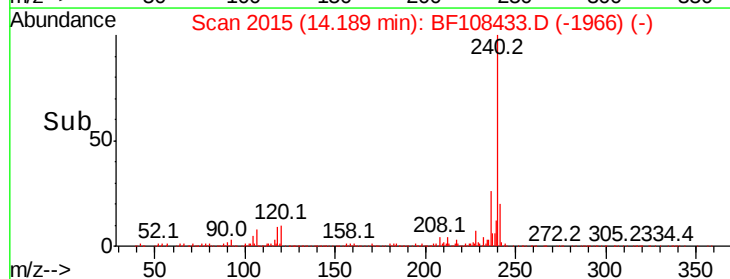
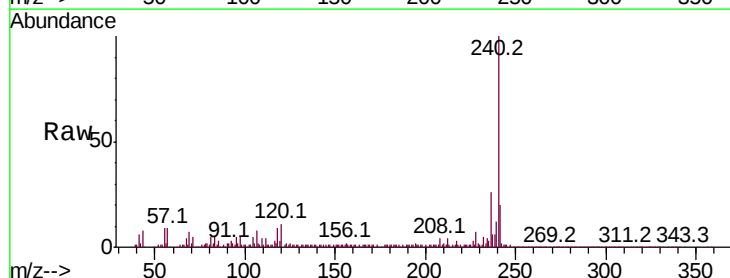
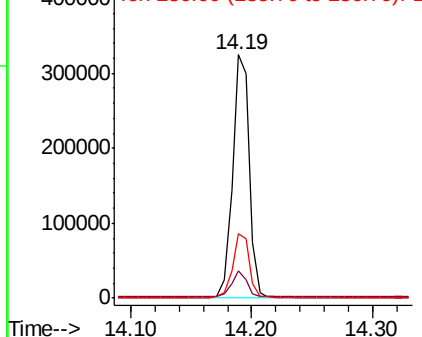
Delta R.T. -0.01 min

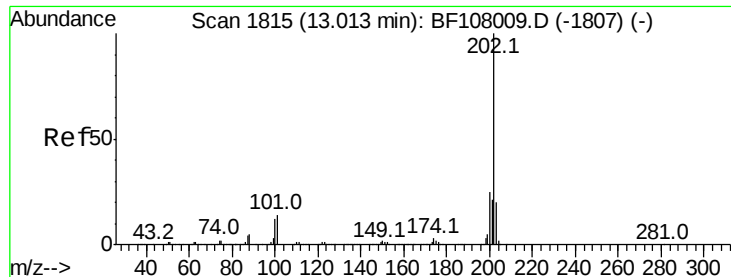
Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.3	20.7	31.1

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





#77

Pvrene

Concen: 6.930 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Instrument :

BNA_F

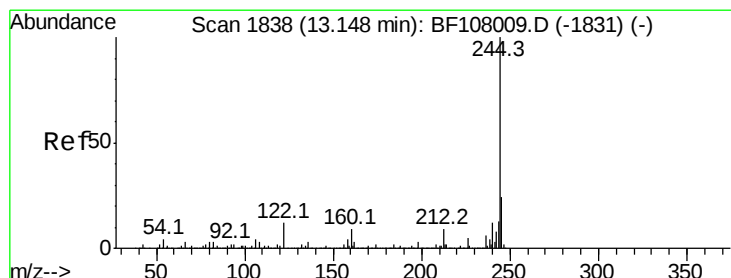
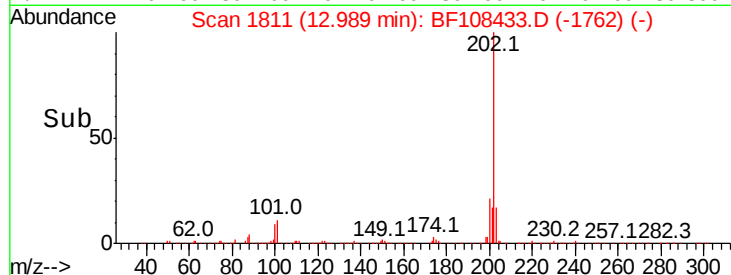
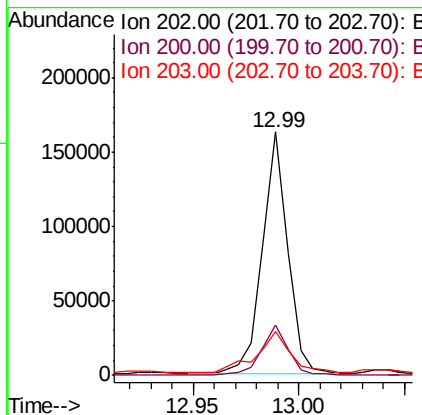
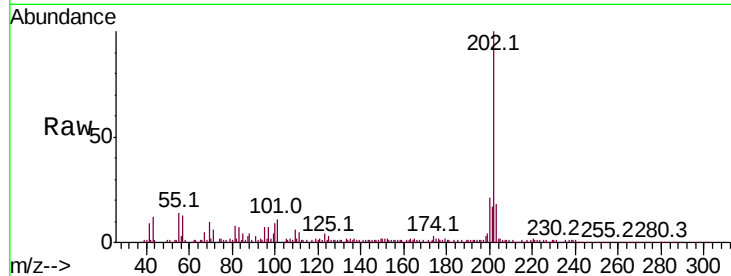
ClientSampleId :

RA-081618-NSW-15-038

Tot Ion:	202	Resp:	136671
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	18.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 20.087 ng

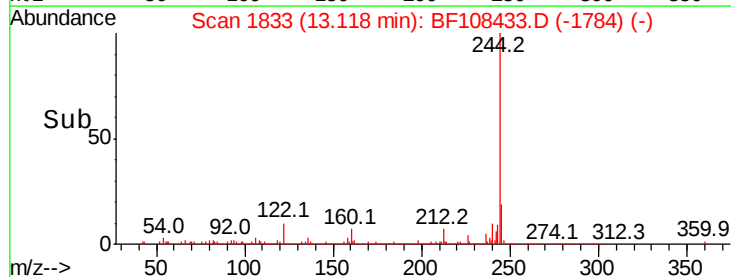
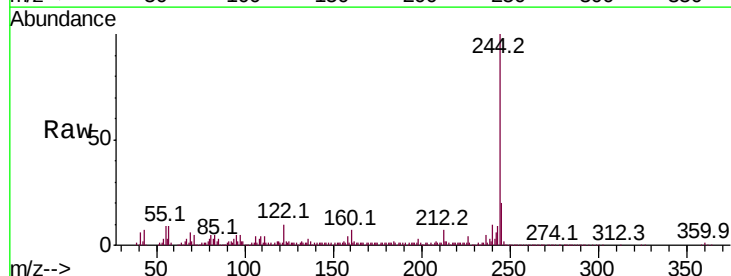
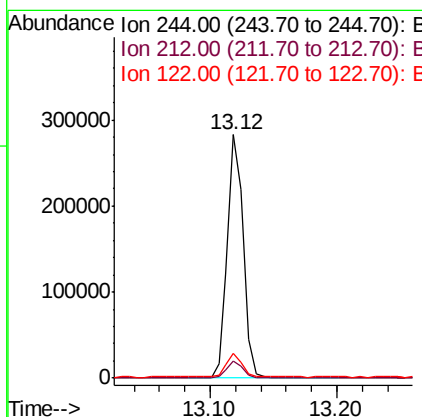
RT: 13.12 min Scan# 1833

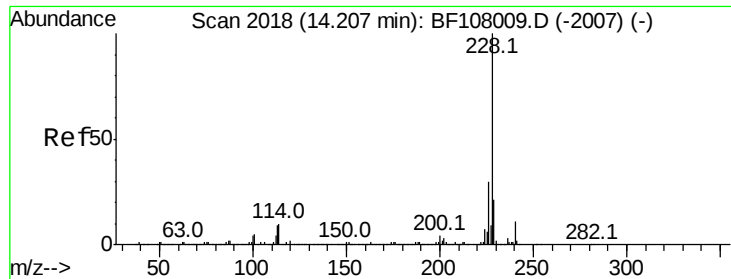
Delta R.T. -0.01 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Tgt Ion:	244	Resp:	246083
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	10.3	11.0	16.4#





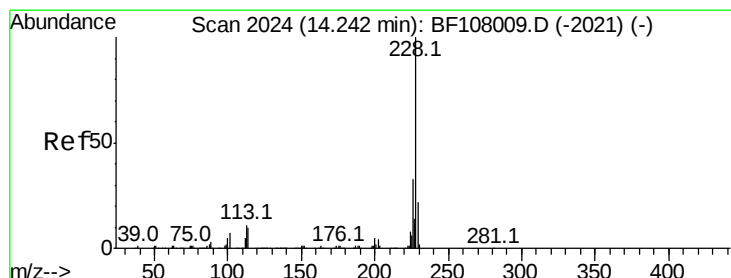
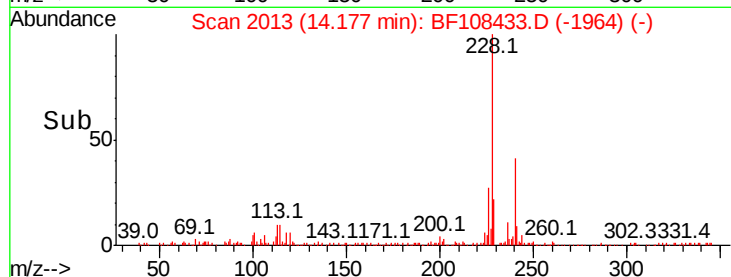
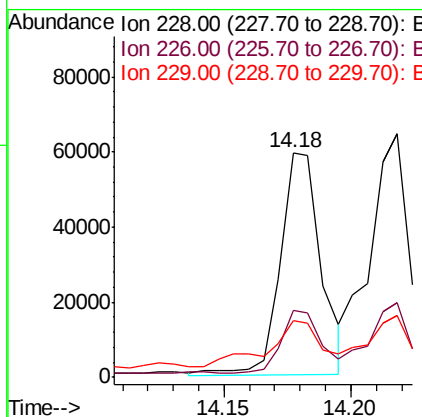
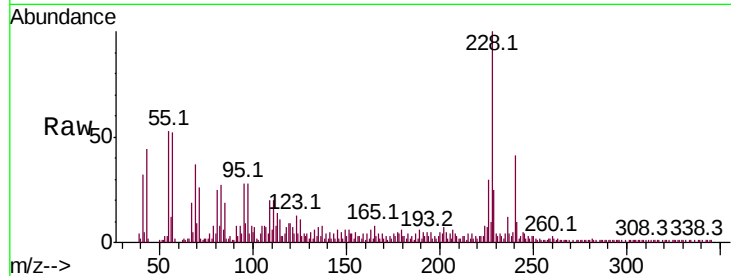
#80
Benzo(a)anthracene
Concen: 3.735 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108433.D
Acq: 23 Aug 2018 21:00

Instrument :
BNA_F
ClientSampleId :
RA-081618-NSW-15-038

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	25.3	15.8	23.6

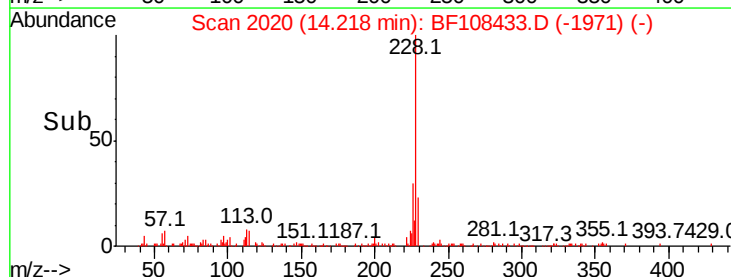
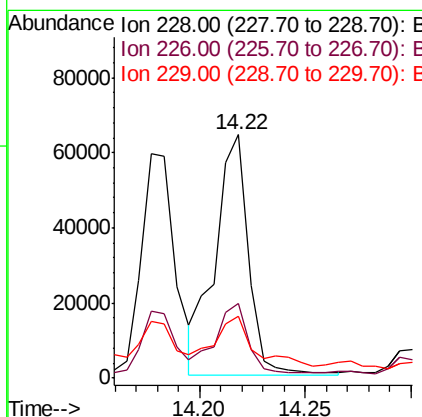
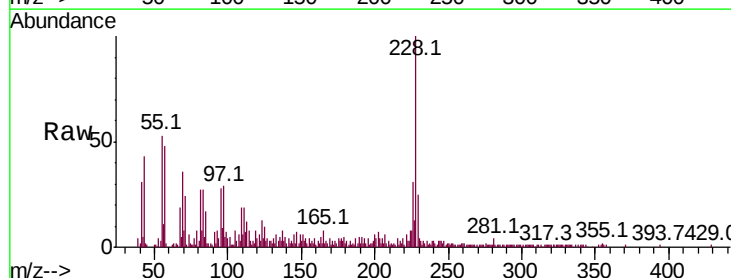
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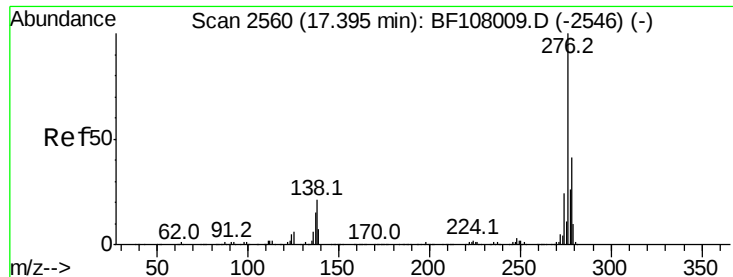
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#82
Chrysene
Concen: 4.343 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108433.D
Acq: 23 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	25.4	16.2	24.4





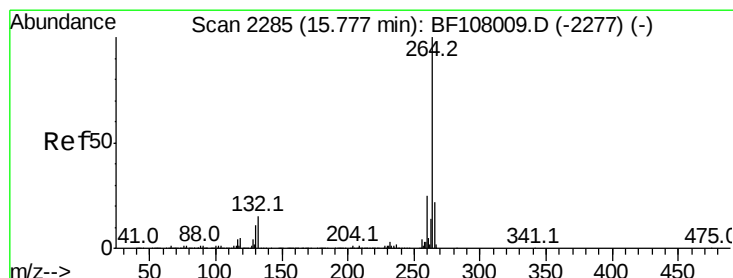
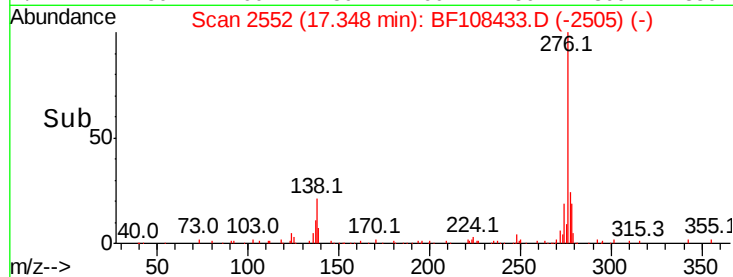
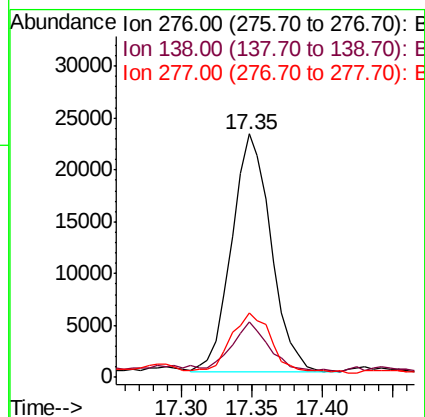
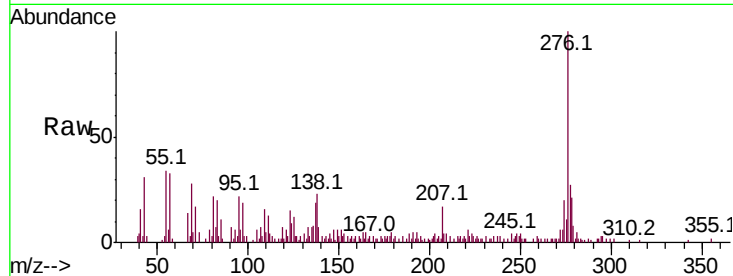
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.117 ng
 RT: 17.35 min Scan# 2552
 Delta R.T. -0.02 min
 Lab File: BF108433.D
 Acq: 23 Aug 2018 21:00

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-NSW-15-038

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	25.0	37.6#
277	27.3	20.1	30.1

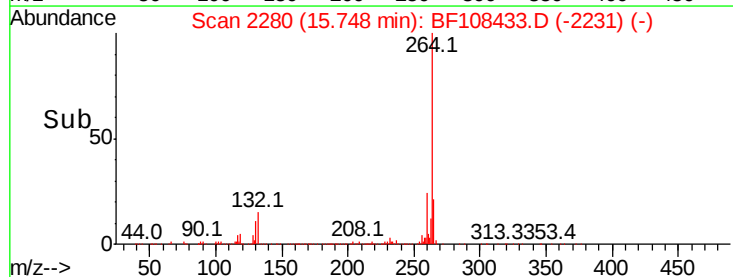
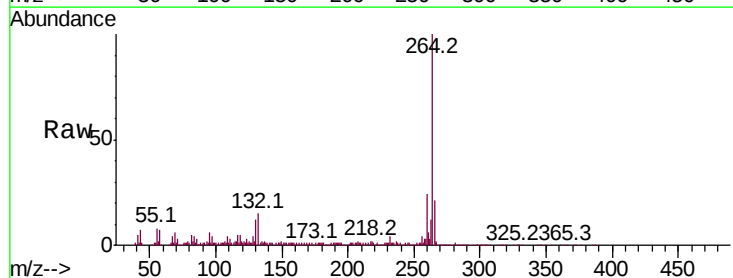
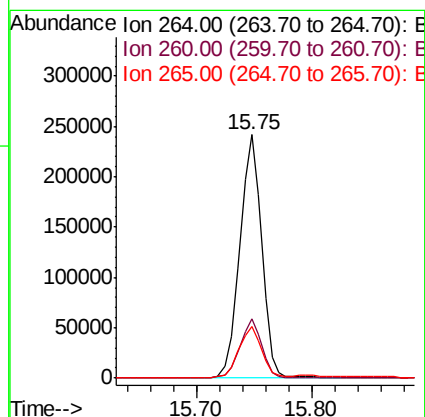
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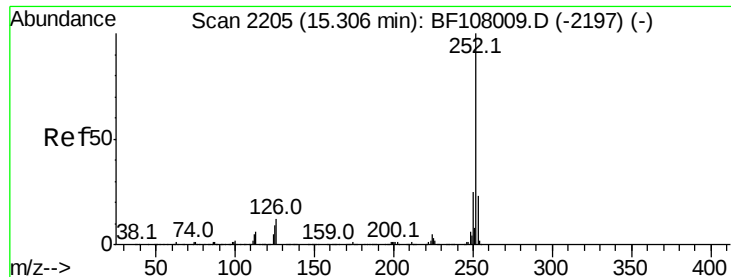
Sohil
 8/24/2018 12:14:11 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.75 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF108433.D
 Acq: 23 Aug 2018 21:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 4.987 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Instrument :

BNA_F

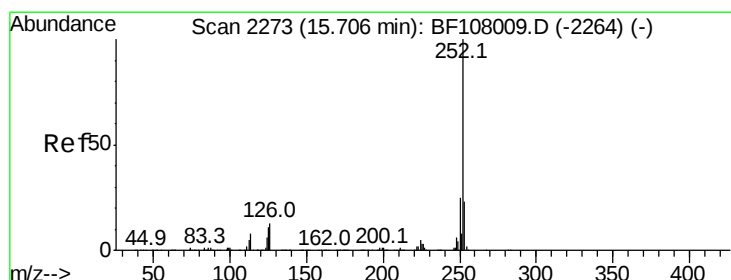
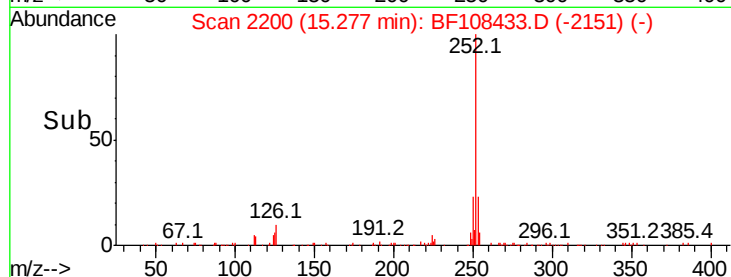
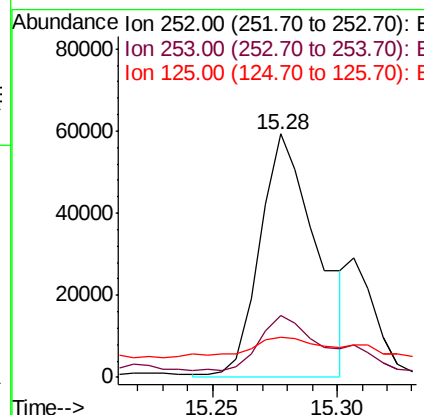
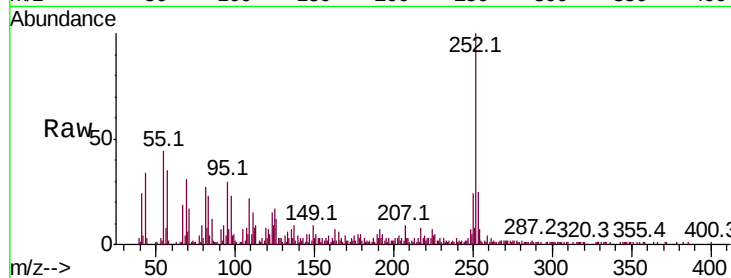
ClientSampleId :

RA-081618-NSW-15-038

Tot Ion:	252	Resp:	93996
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.0	25.6
125	16.7	9.0	13.6

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#89

Benzo(a)pyrene

Concen: 3.465 ng

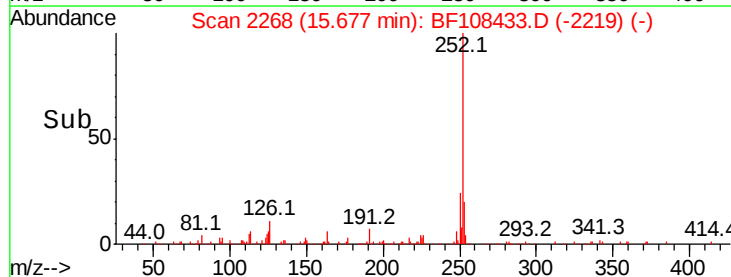
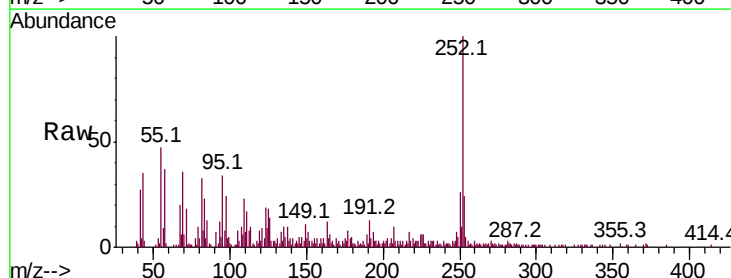
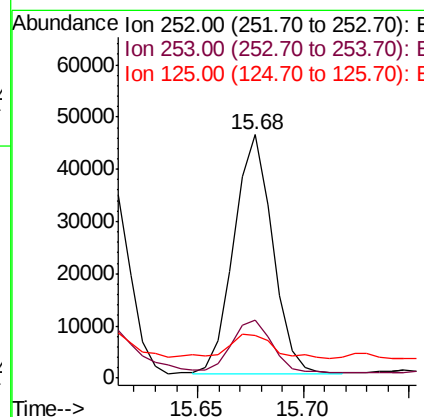
RT: 15.68 min Scan# 2268

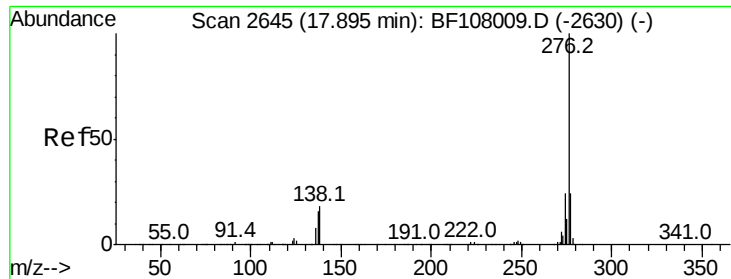
Delta R.T. -0.01 min

Lab File: BF108433.D

Acq: 23 Aug 2018 21:00

Tgt Ion:	252	Resp:	58486
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.1	25.7
125	17.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.489 ng
 RT: 17.84 min Scan# 2636
 Delta R.T. -0.02 min
 Lab File: BF108433.D
 Acq: 23 Aug 2018 21:00

Instrument :
 BNA_F
 ClientSampleId :
 RA-081618-NSW-15-038

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	19.3	21.8	32.8#

Manual Integrations
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Sohil
 8/24/2018 12:14:11 PM

