

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
 Data File : BF108563.D
 Acq On : 28 Aug 2018 18:45
 Operator : JU/SJ
 Sample : J4277-11 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-082718-B

Manual Integrations
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 8/29/2018 3:11:37 PM

Quant Time: Aug 29 10:41:11 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	110212	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	429299	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	193713	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	332368	20.00	ng	0.00
75) Chrysene-d12	14.19	240	303426	20.00	ng	0.00
86) Perylene-d12	15.75	264	238214	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	82222	13.51	ng	0.01
7) Phenol-d6	6.64	99	127841	15.80	ng	0.00
23) Nitrobenzene-d5	7.56	82	80638	10.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	26783	13.86	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	163584	13.56	ng	-0.01
78) Terphenyl-d14	13.12	244	145686	12.21	ng	-0.01
Target Compounds						
70) Phenanthrene	11.57	178	44488	2.838	ng	99
74) Fluoranthene	12.76	202	95359	5.574	ng	95
77) Pyrene	13.00	202	107904	5.617	ng	98
80) Benzo(a)anthracene	14.18	228	46554	2.673	ng	96
82) Chrysene	14.22	228	43742	2.740	ng	97
87) Benzo(b)fluoranthene	15.28	252	56206m	3.949	ng	
89) Benzo(a)pyrene	15.68	252	41402	3.248	ng	98
91) Benzo(g,h,i)perylene	17.86	276	21451	2.066	ng	# 90

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

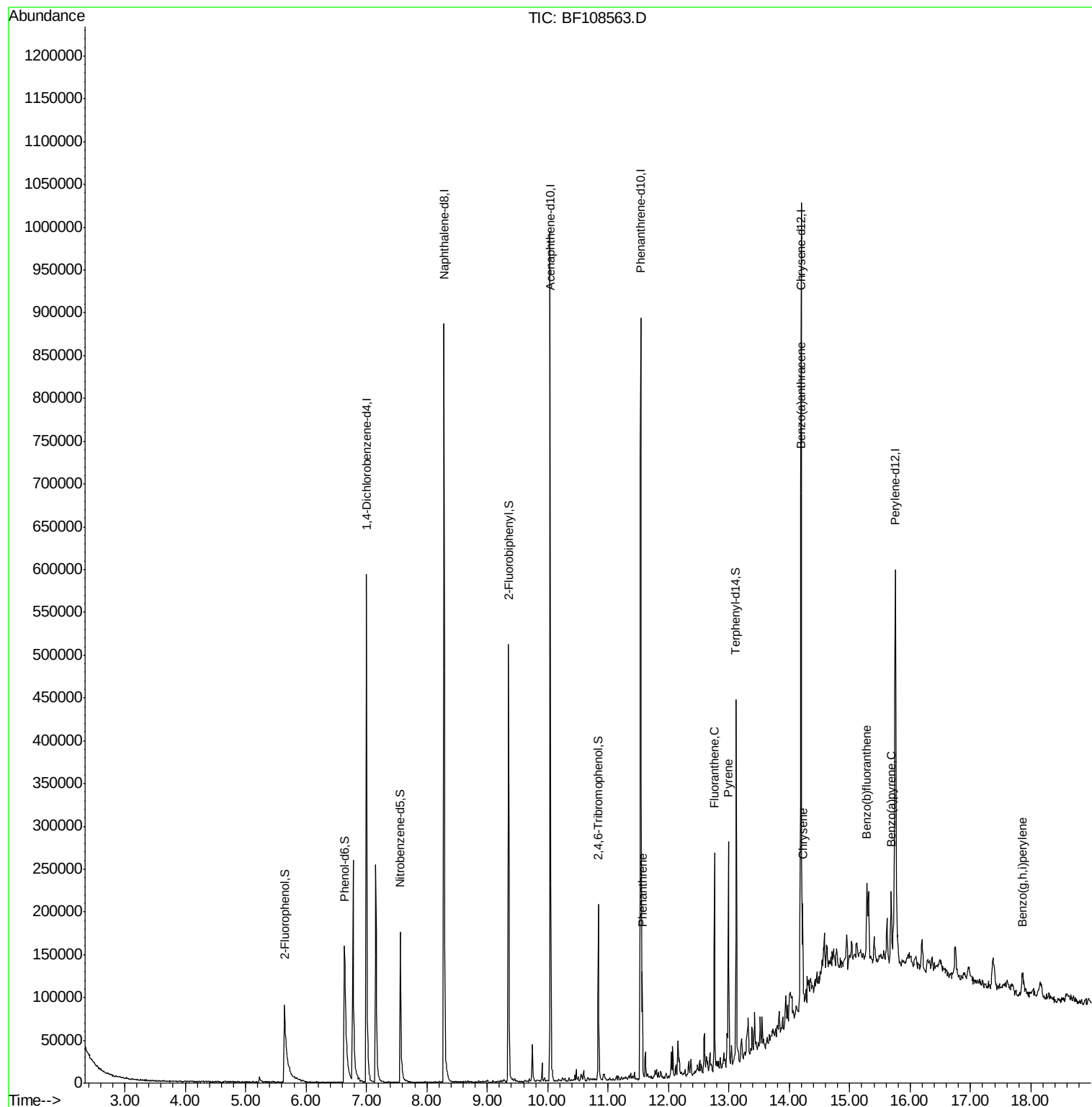
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108563.D
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Sample : J4277-11 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

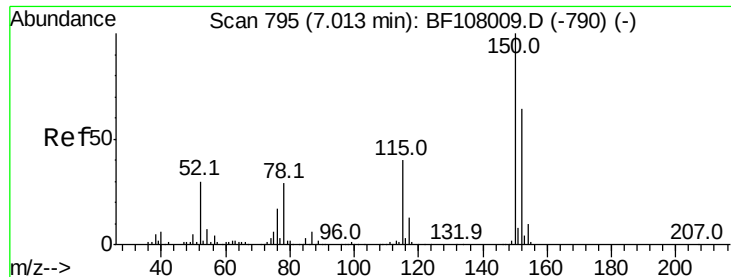
Instrument :
BNA_F
ClientSampleID :
OR-01-082718-B

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Quant Time: Aug 29 10:41:11 2018
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

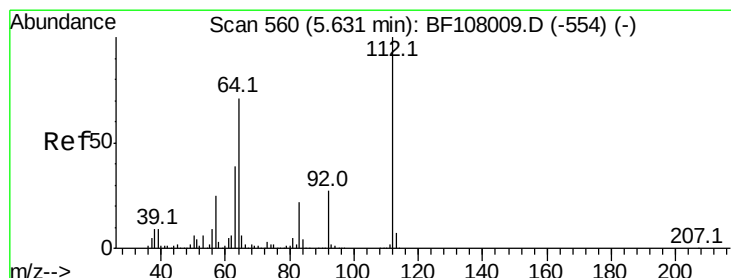
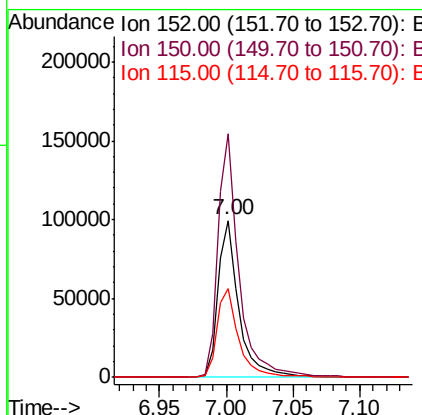
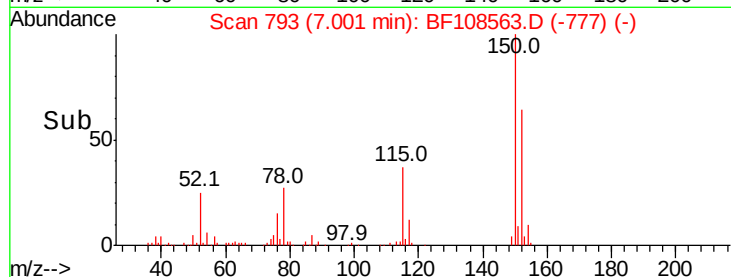
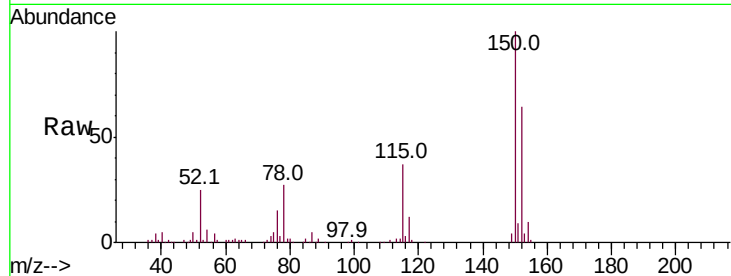
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	56.9	50.1	75.1

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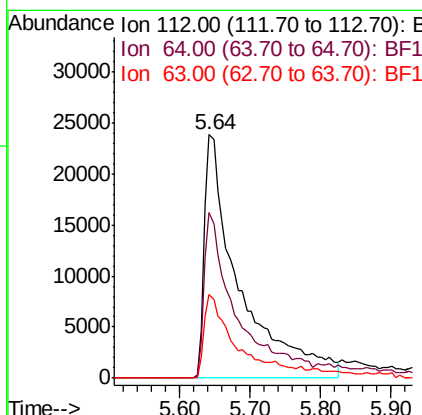
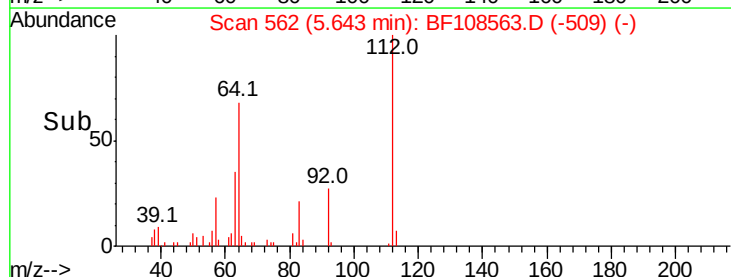
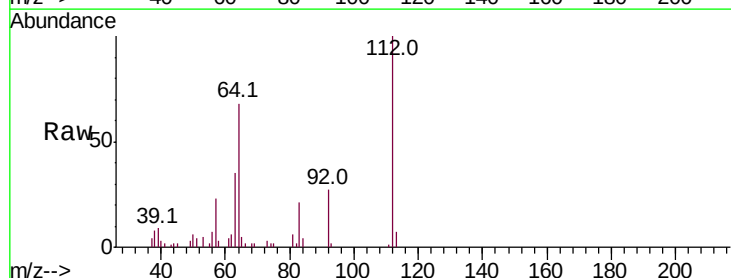
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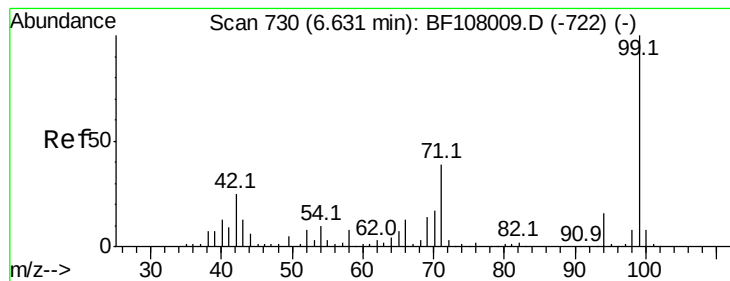


#5

2-Fluorophenol
Concen: 13.507 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	34.5	23.7	35.5





#7

Phenol-d6

Concen: 15.803 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

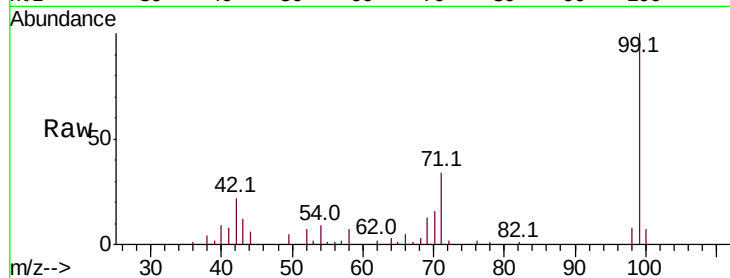
ClientSampled :

OR-01-082718-B

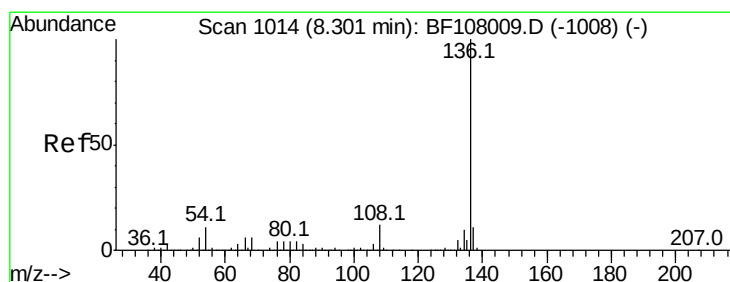
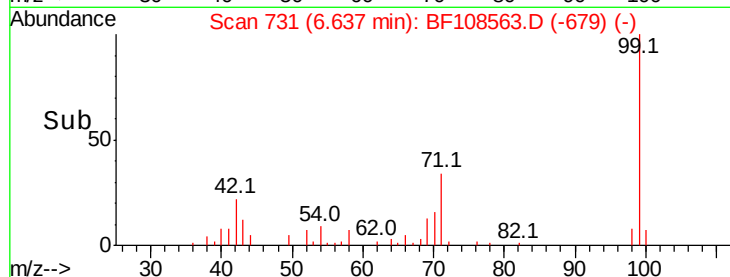
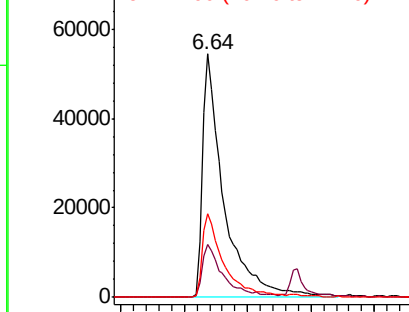
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		127841		
42	21.7	14.5	21.7		
71	34.1	25.4	38.0		

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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

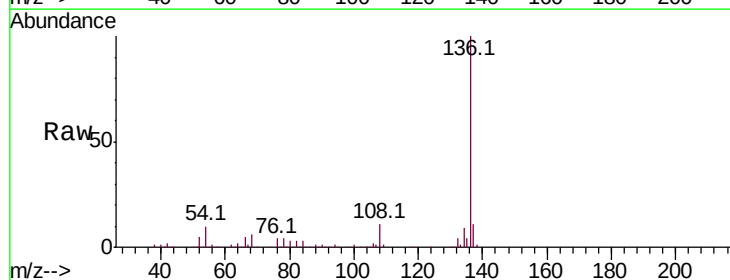
RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

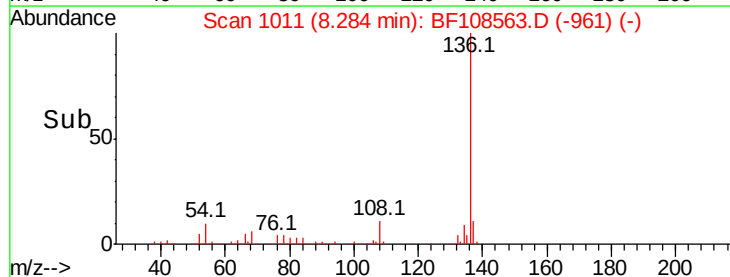
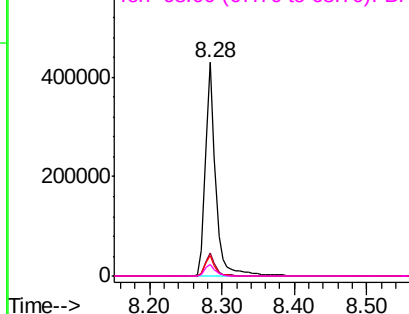
Lab File: BF108563.D

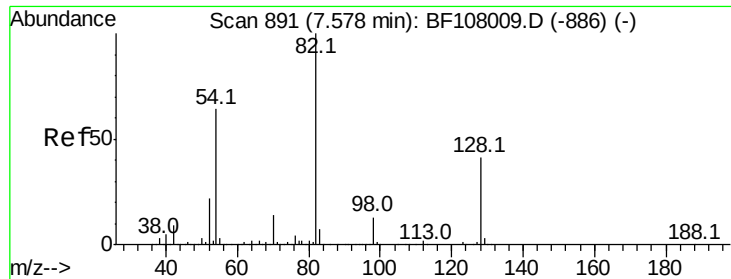
Acq: 28 Aug 2018 18:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		429299		
137	10.5	8.9	13.3		
54	9.9	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





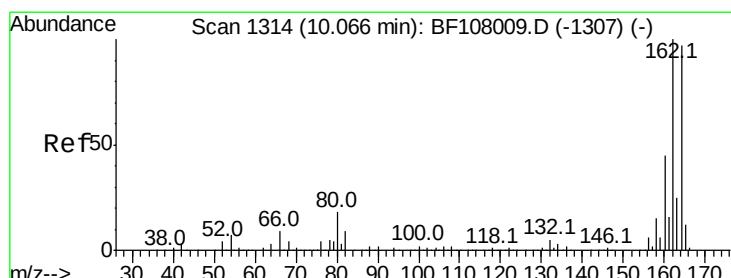
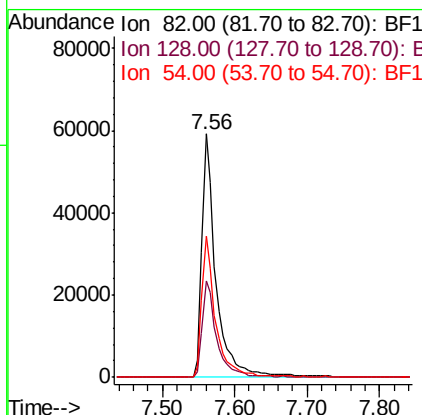
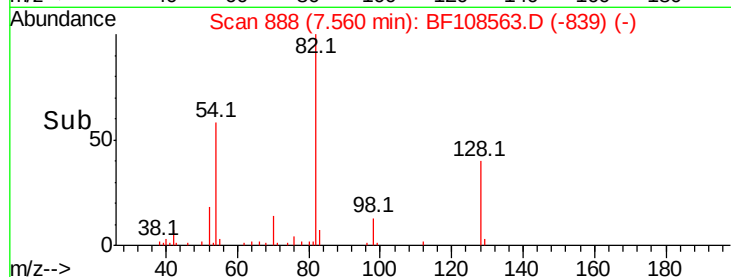
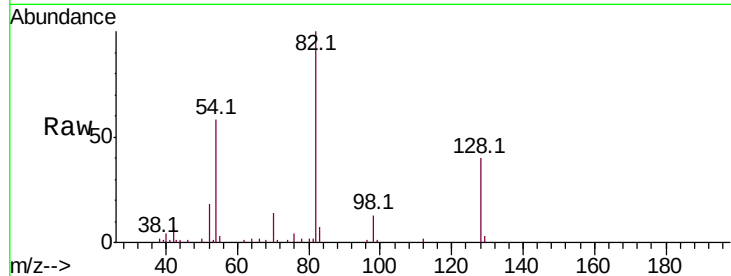
#23
 Nitrobenzene-d5
 Concen: 10.482 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Instrument :
 BNA_F
 ClientSampled :
 OR-01-082718-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	36.1	54.1
54	58.2	41.4	62.2

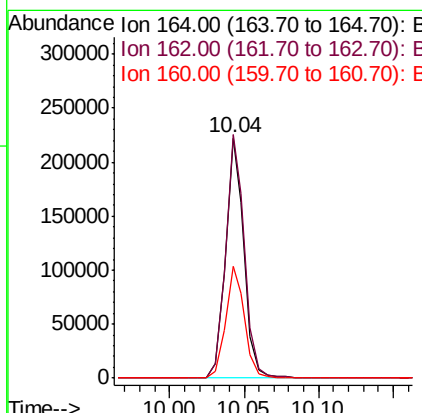
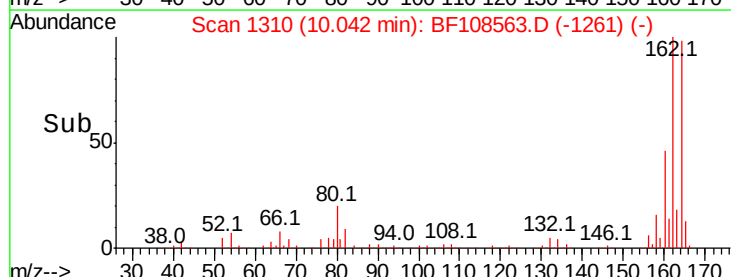
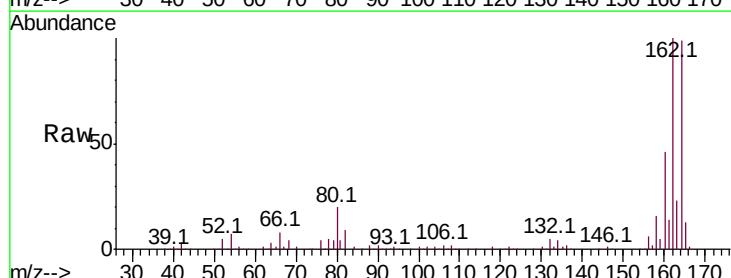
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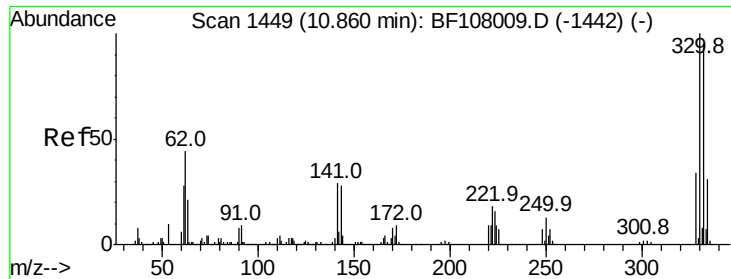
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.4	86.1	129.1
160	46.4	38.3	57.5





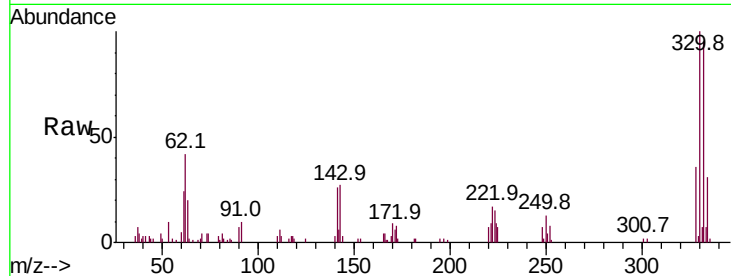
#41
 2,4,6-Tribromophenol
 Concen: 13.861 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-082718-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	26783		
332	98.2	77.0	115.6	
141	33.0	29.9	44.9	

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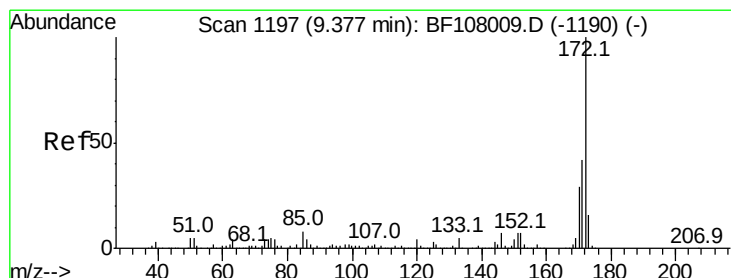
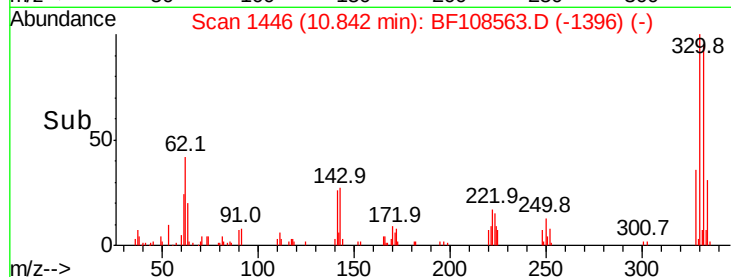
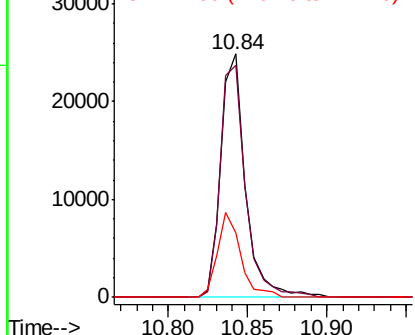


Abundance

Ion 329.80 (329.50 to 330.50): E

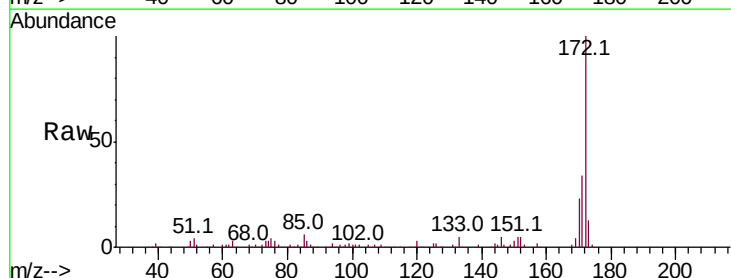
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 13.558 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108563.D
 Acq: 28 Aug 2018 18:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	163584		
171	34.4	29.7	44.5	
170	23.2	19.6	29.4	

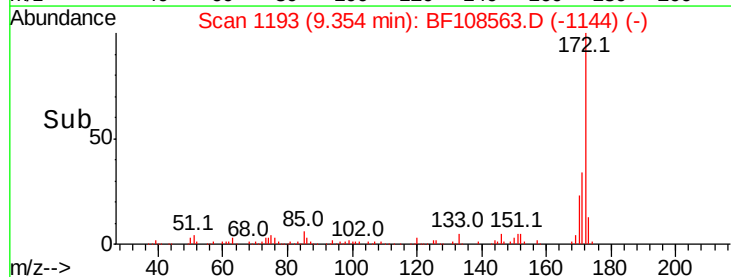
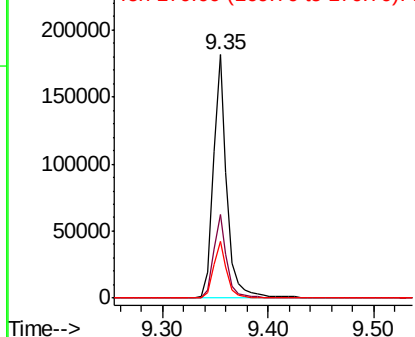


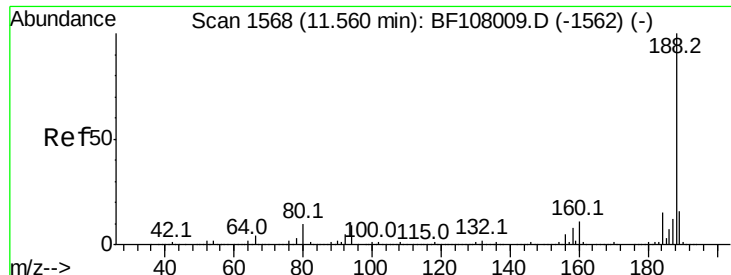
Abundance

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





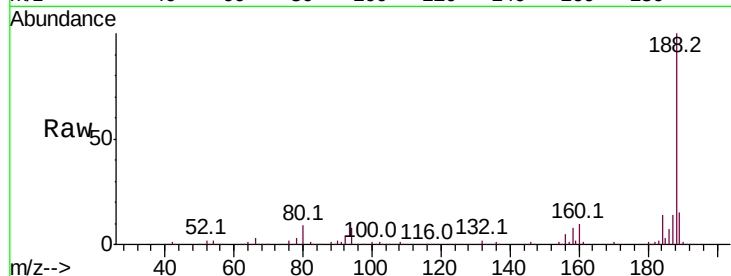
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

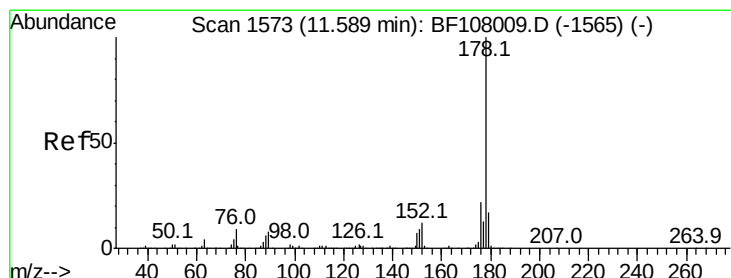
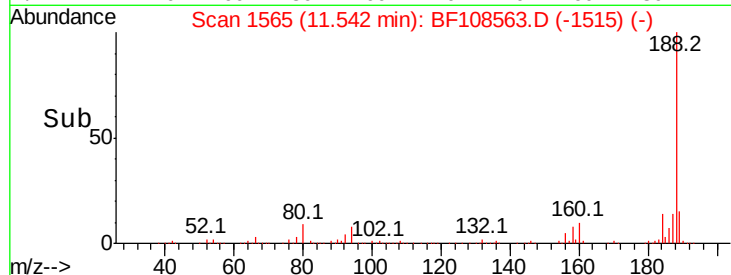
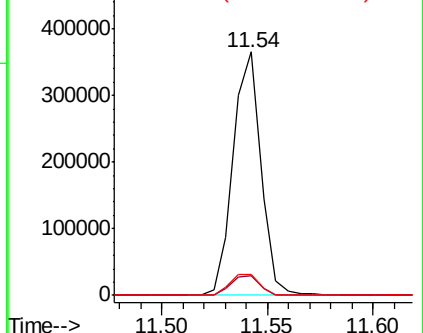
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	8.5	12.7#
80	8.5	9.2	13.8#

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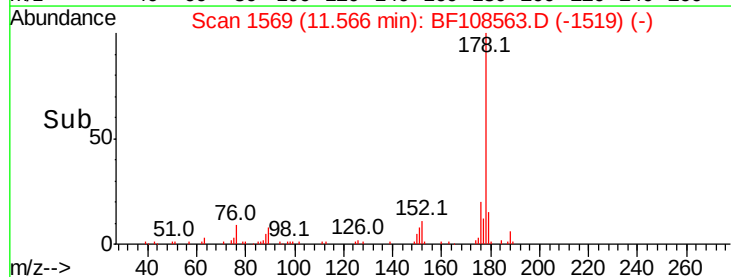
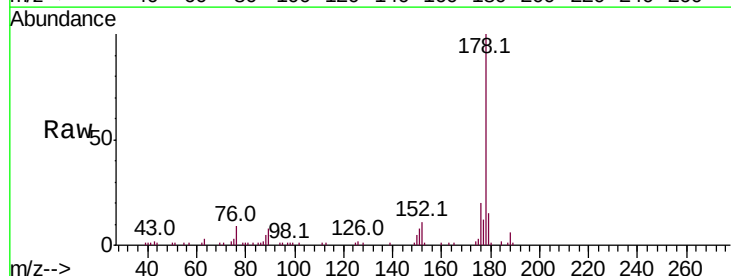
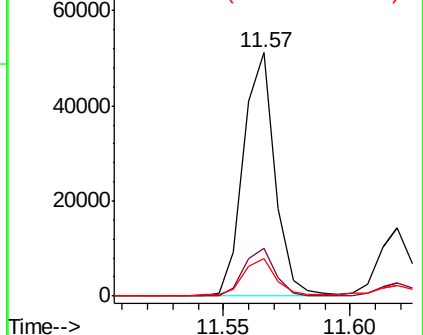
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

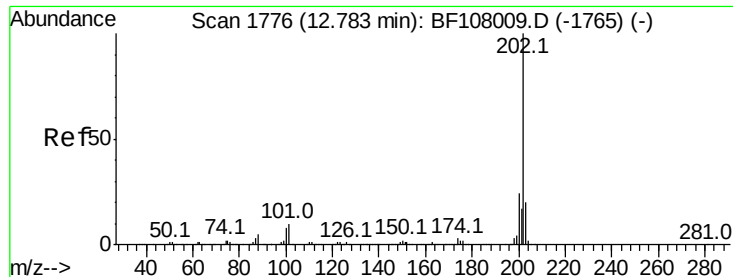


#70
Phenanthrene
Concen: 2.838 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.2	13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.574 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

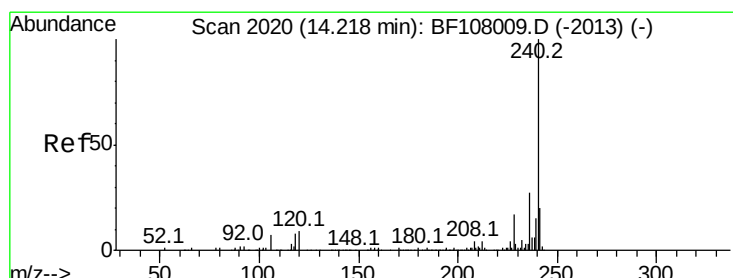
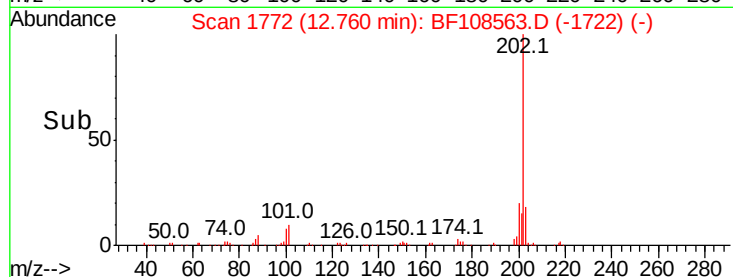
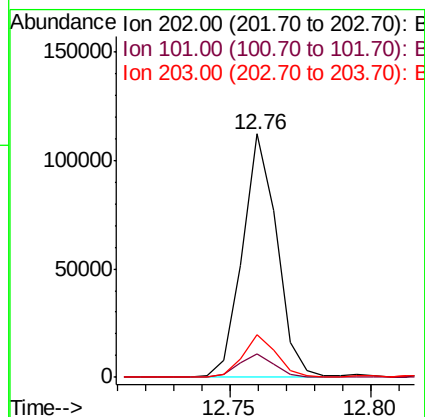
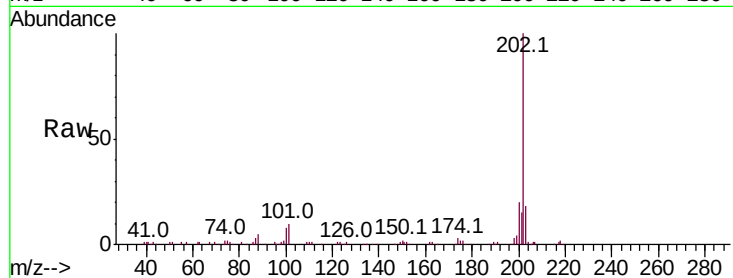
ClientSampleId :

OR-01-082718-B

Tot Ion:	202	Resp:	95359
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

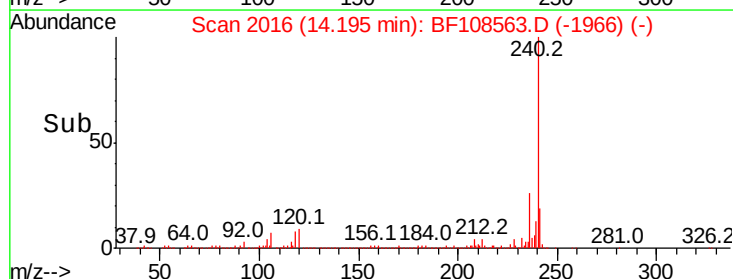
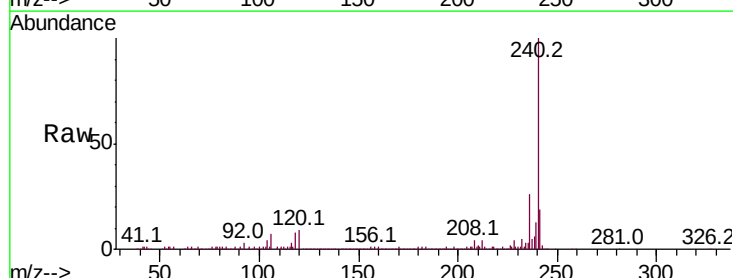
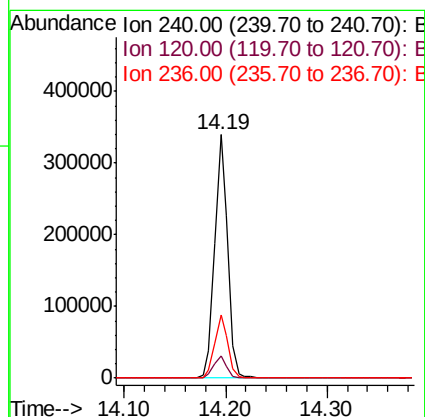
RT: 14.19 min Scan# 2016

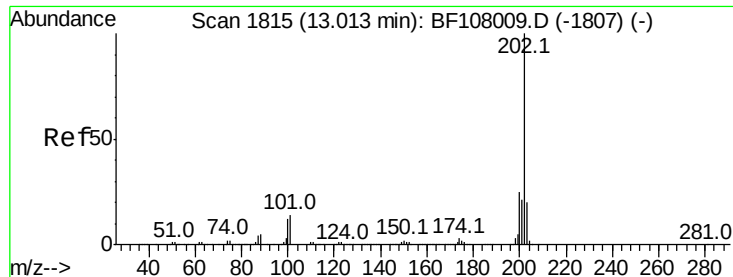
Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Tgt Ion:	240	Resp:	303426
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.5	14.3#
236	25.8	20.7	31.1





#77

Pvrene

Concen: 5.617 ng

RT: 13.00 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Instrument :

BNA_F

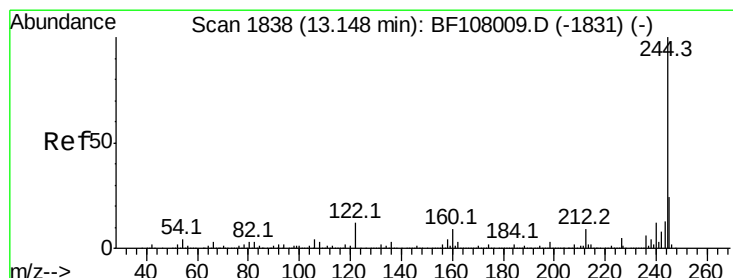
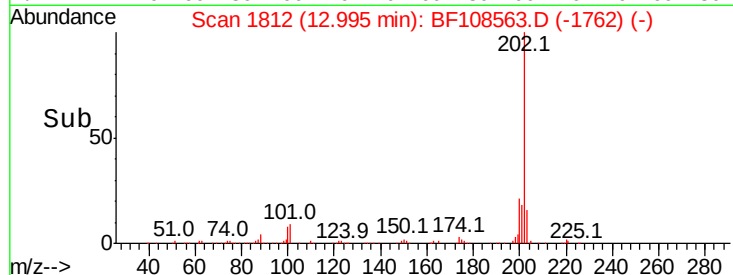
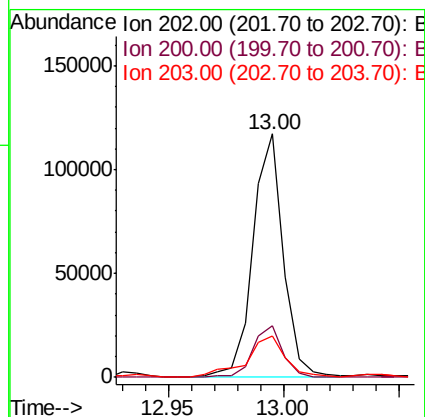
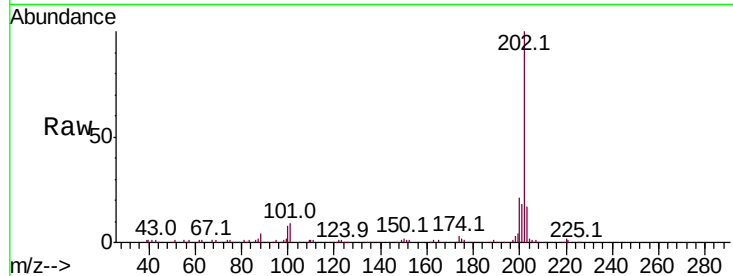
ClientSampleId :

OR-01-082718-B

Tot Ion:	202	Resp:	107904
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 12.208 ng

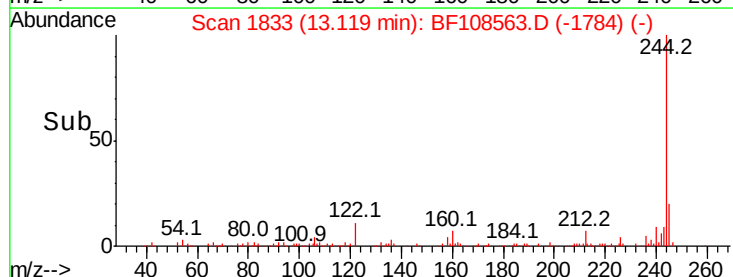
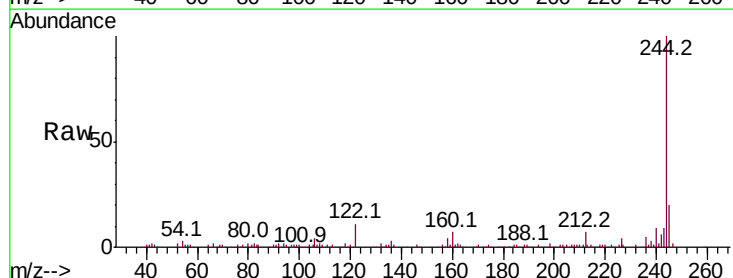
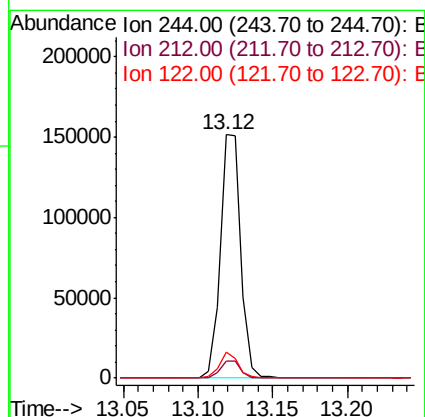
RT: 13.12 min Scan# 1833

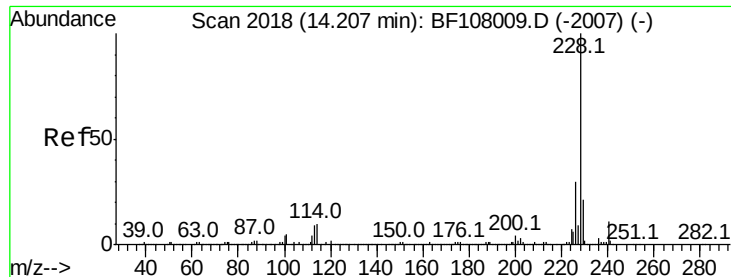
Delta R.T. -0.01 min

Lab File: BF108563.D

Acq: 28 Aug 2018 18:45

Tgt Ion:	244	Resp:	145686
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.6	11.0	16.4#





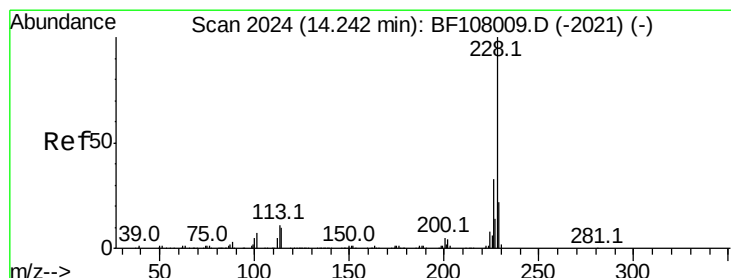
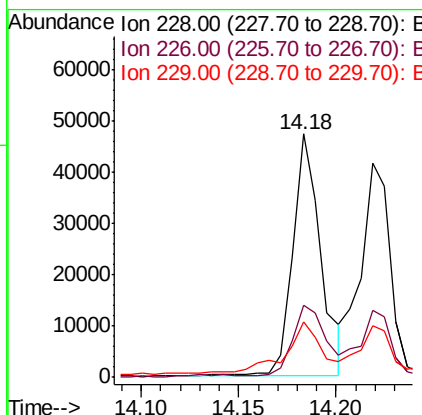
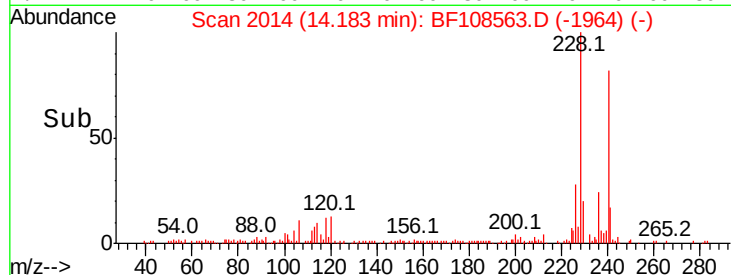
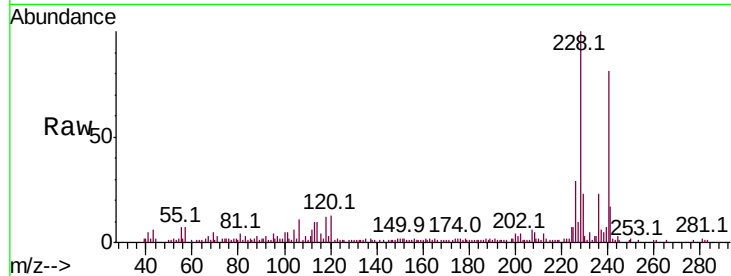
#80
Benzo(a)anthracene
Concen: 2.673 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	22.8	15.8	23.6

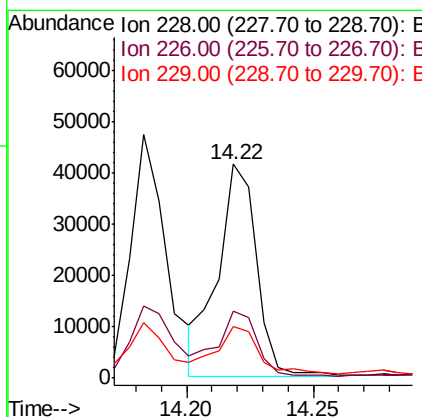
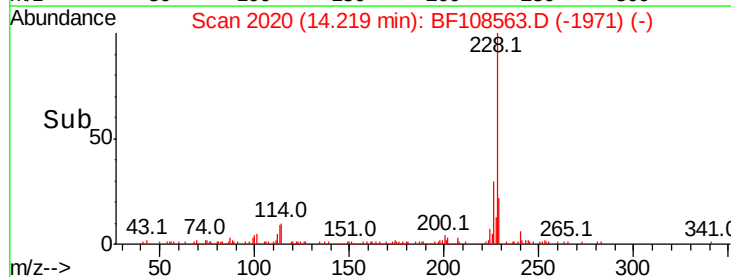
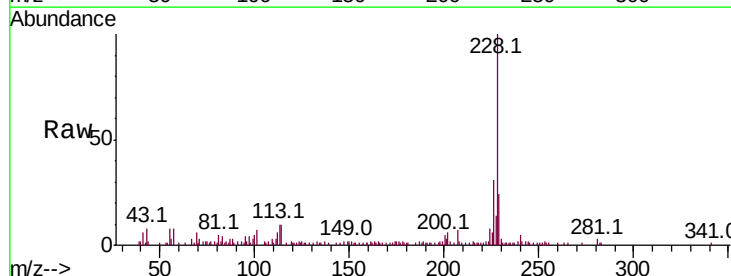
Manual Integrations
APPROVED

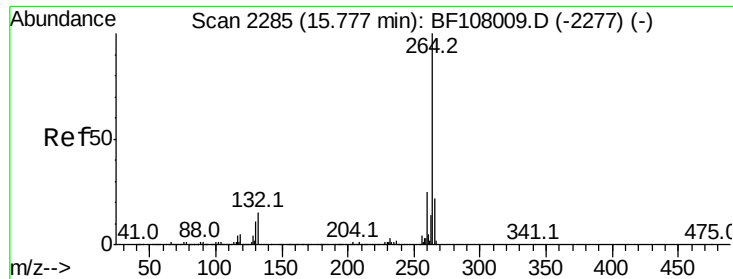
Sohil
8/29/2018 3:11:37 PM



#82
Chrysene
Concen: 2.740 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	24.2	16.2	24.4





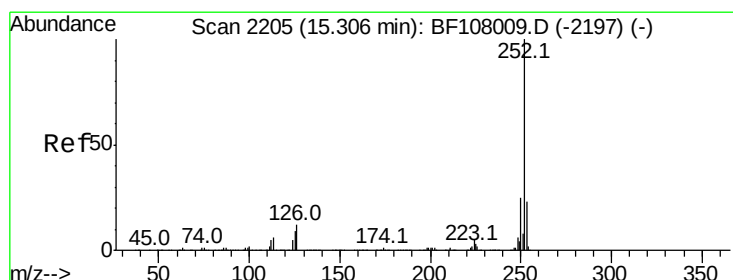
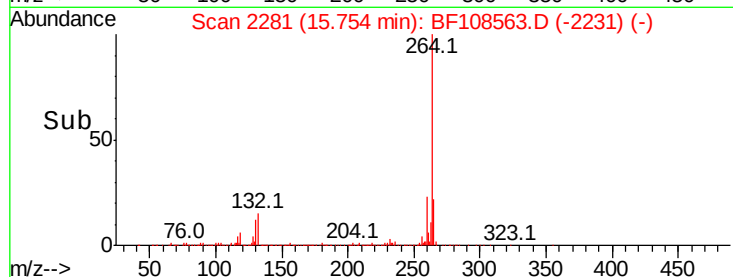
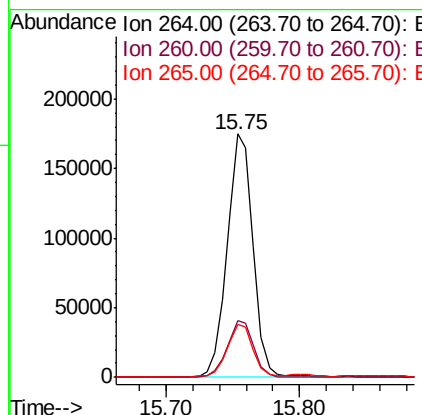
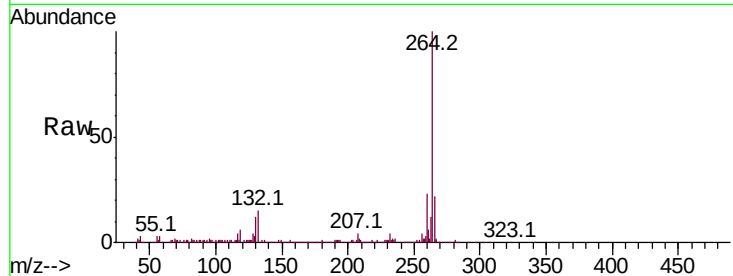
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	17.5	26.3

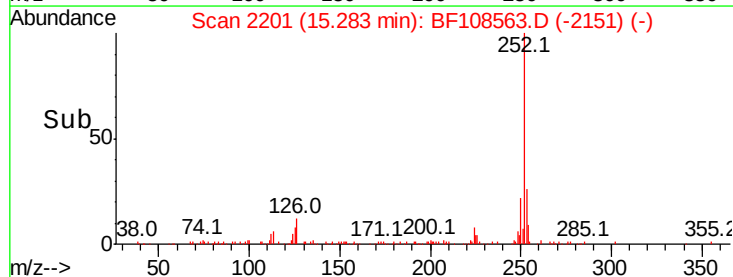
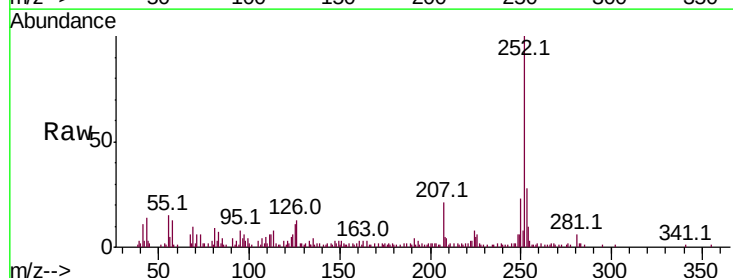
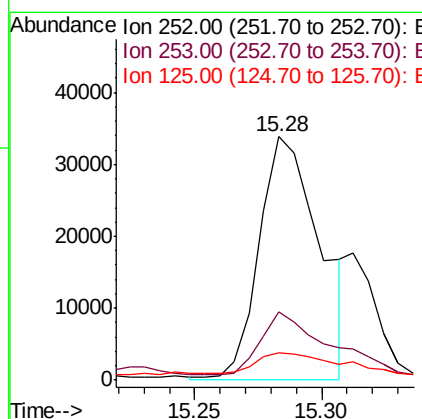
Manual Integrations
APPROVED

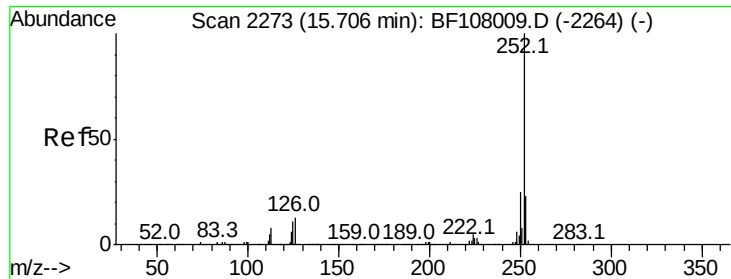
Sohil
8/29/2018 3:11:37 PM



#87
Benzo(b)fluoranthene
Concen: 3.949 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.0	25.6#
125	11.3	9.0	13.6





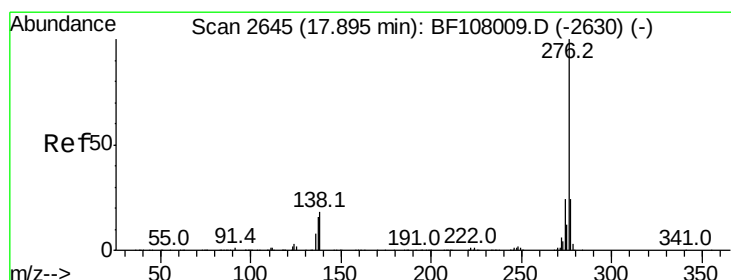
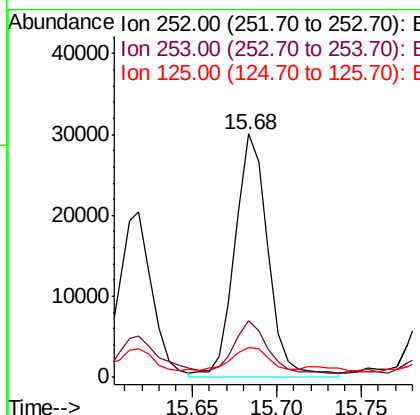
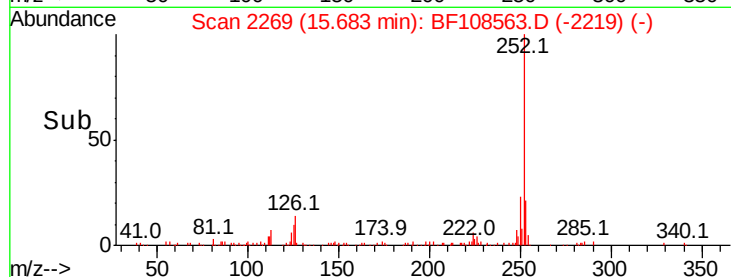
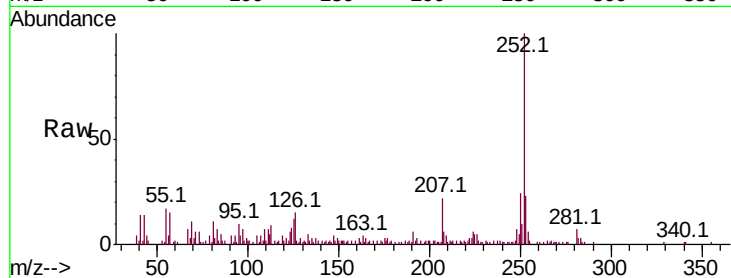
#89
Benzo(a)pyrene
Concen: 3.248 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Instrument :
BNA_F
ClientSampleId :
OR-01-082718-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	12.1	9.8	14.6

Manual Integrations
APPROVED

Sohil
8/29/2018 3:11:37 PM



#91
Benzo(g,h,i)perylene
Concen: 2.066 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.01 min
Lab File: BF108563.D
Acq: 28 Aug 2018 18:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	21.3	21.8	32.8#

