

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108502.D
 Acq On : 27 Aug 2018 11:36
 Operator : JU/SJ
 Sample : J4270-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082318

Manual Integrations
 APPROVED

Sohil
 8/27/2018 5:09:48 PM

Quant Time: Aug 27 13:07:56 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	130530	20.00	ng	-0.01
21) Naphthalene-d8	8.28	136	523830	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	269547	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	545106	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	310664	20.00	ng	0.00
86) Perylene-d12	15.75	264	308855	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	110702	15.35	ng	-0.01
7) Phenol-d6	6.61	99	152480	15.92	ng	-0.02
23) Nitrobenzene-d5	7.55	82	100422	10.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	44925	16.71	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	202144	12.04	ng	-0.01
78) Terphenyl-d14	13.12	244	173892	14.23	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.74	163	64754	3.449	ng	99
70) Phenanthrene	11.56	178	256052	9.959	ng	99
74) Fluoranthene	12.76	202	646207	23.029	ng	95
77) Pyrene	12.99	202	499558	25.399	ng	99
80) Benzo(a)anthracene	14.18	228	179723	10.080	ng	99
82) Chrysene	14.22	228	223095	13.649	ng	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	130377	9.206	ng	# 88
87) Benzo(b)fluoranthene	15.28	252	275497m	14.928	ng	
88) Benzo(k)fluoranthene	15.31	252	107527m	6.338	ng	
89) Benzo(a)pyrene	15.68	252	167750	10.151	ng	98
90) Dibenzo(a,h)anthracene	17.36	278	31087m	2.273	ng	
91) Benzo(a,h,i)perylene	17.85	276	124638	9.257	ng	# 92

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

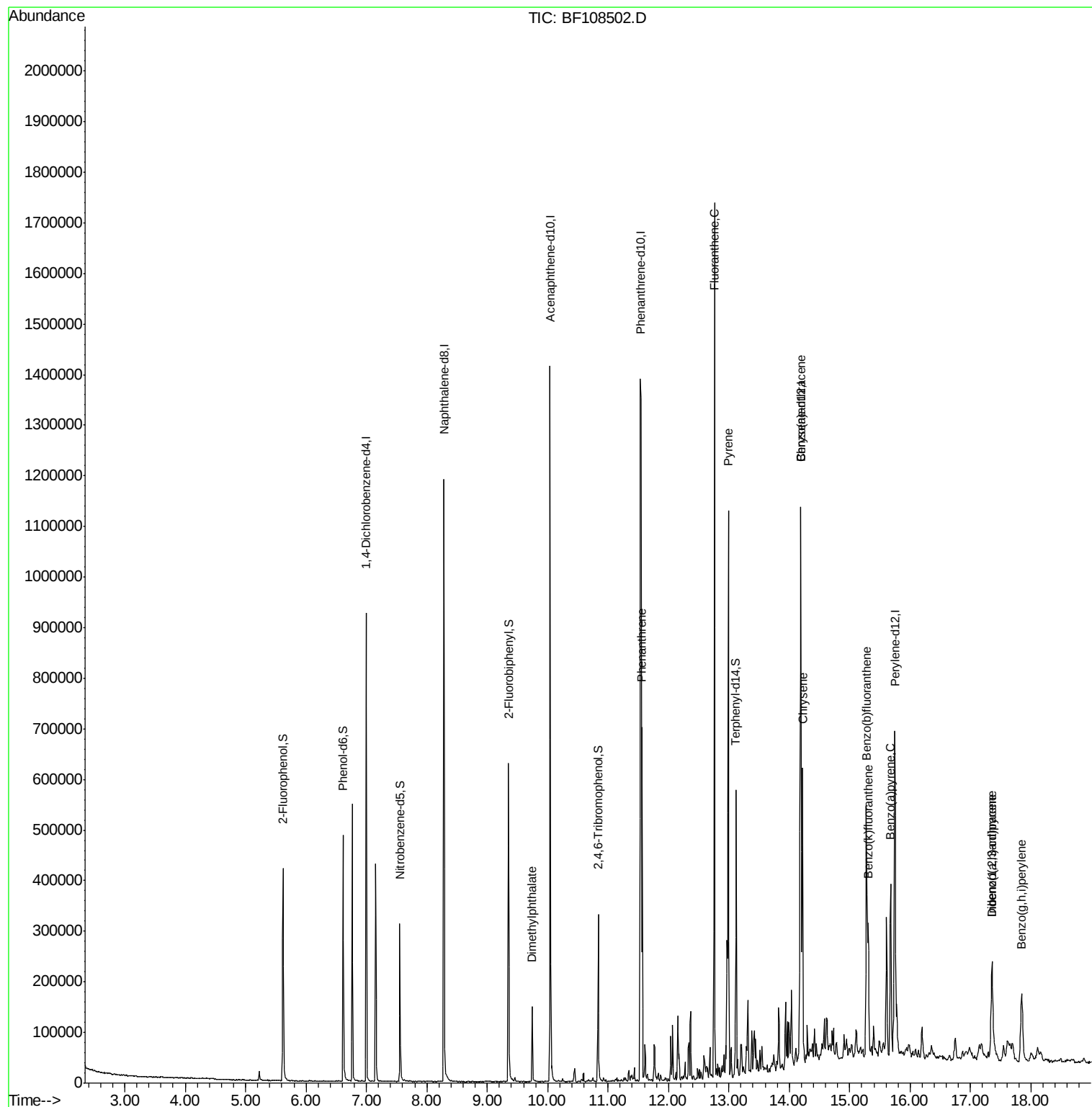
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
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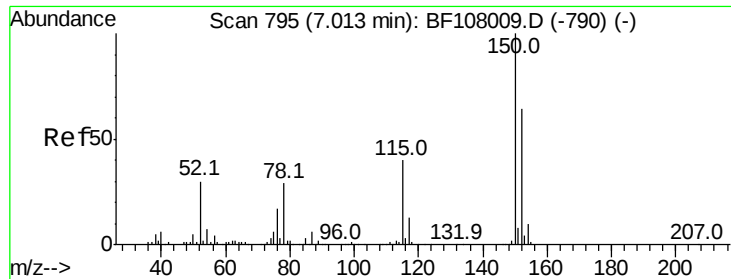
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
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#1

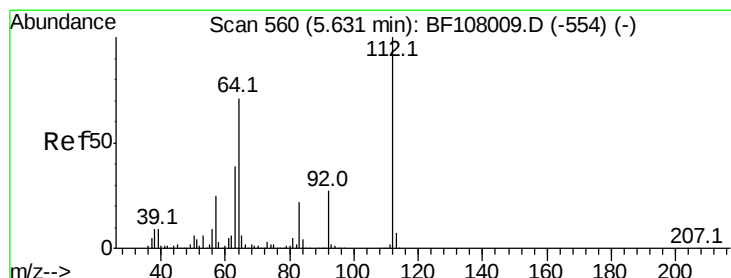
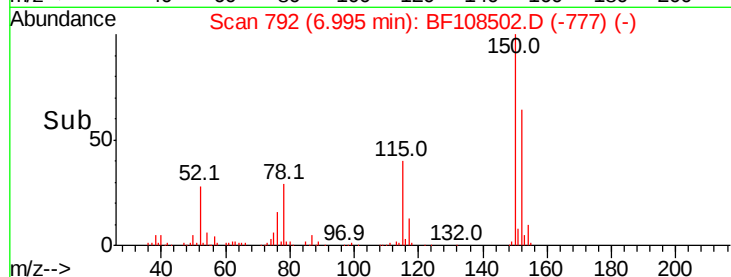
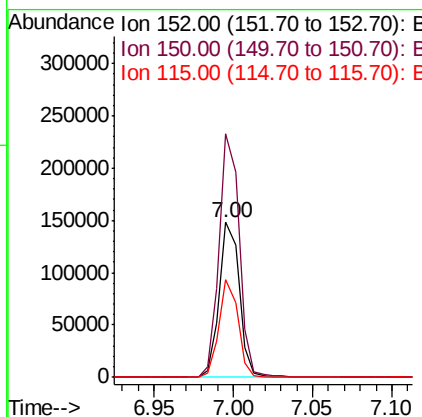
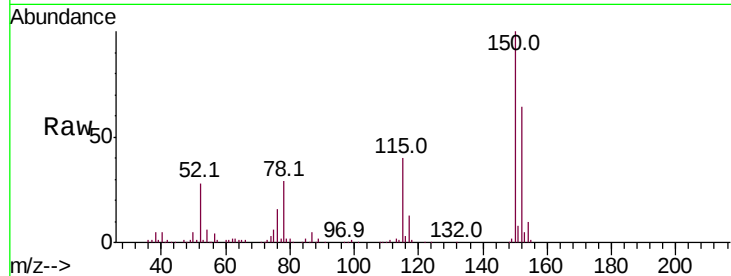
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108502.D
Acq: 27 Aug 2018 11:36

Instrument :
BNA_F
ClientSampleId :
BU-01-082318

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	63.6	50.1	75.1

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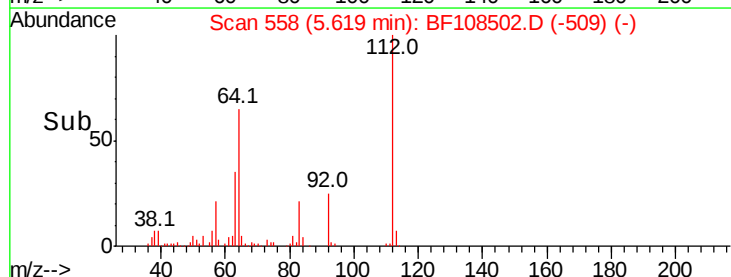
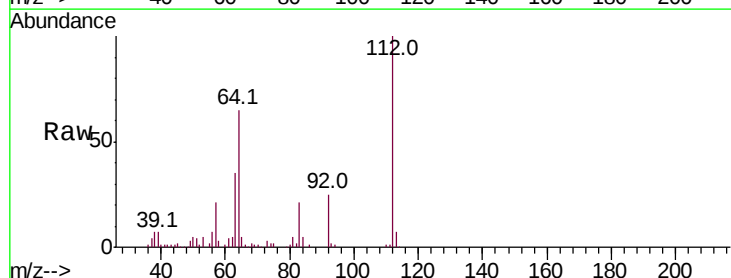
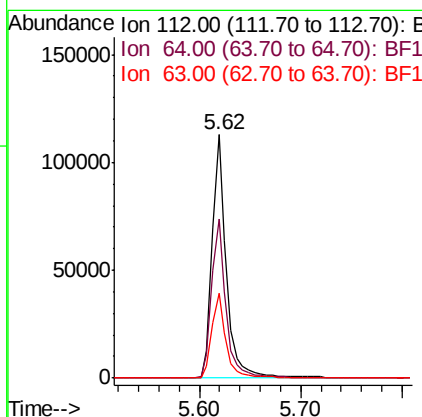
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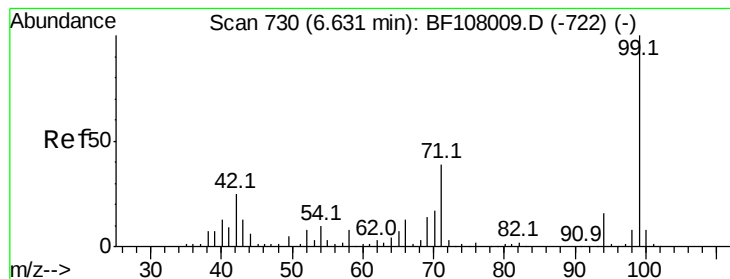


#5

2-Fluorophenol
Concen: 15.354 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108502.D
Acq: 27 Aug 2018 11:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	34.7	23.7	35.5





#7

Phenol-d6

Concen: 15.915 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

Instrument :

BNA_F

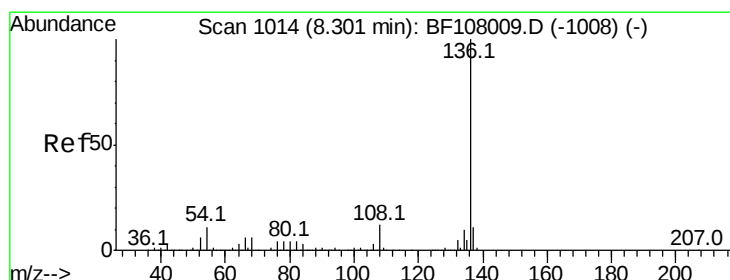
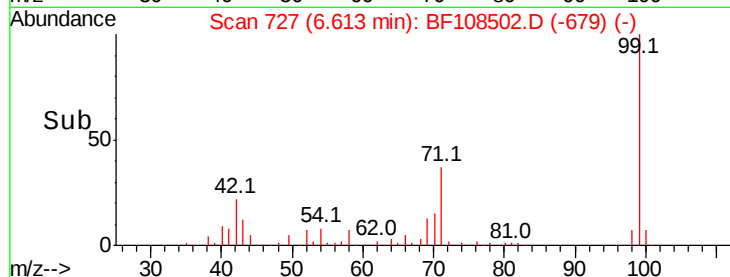
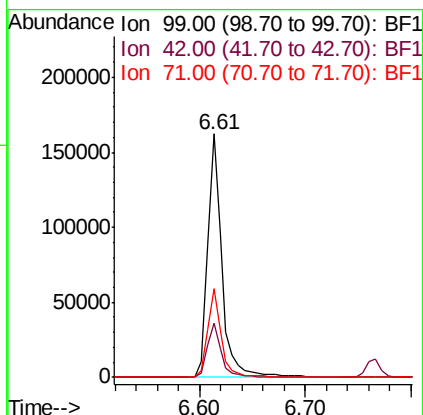
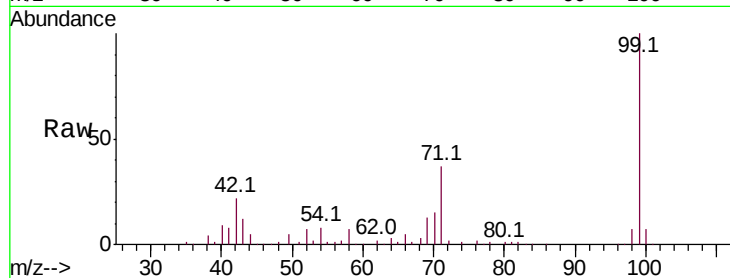
ClientSampleId :

BU-01-082318

Tot Ion:	99	Resp:	152480
Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.5	21.7#
71	36.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

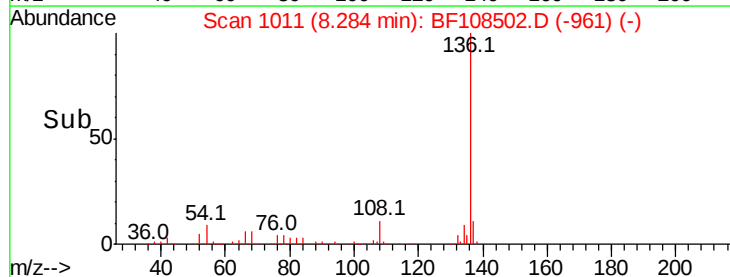
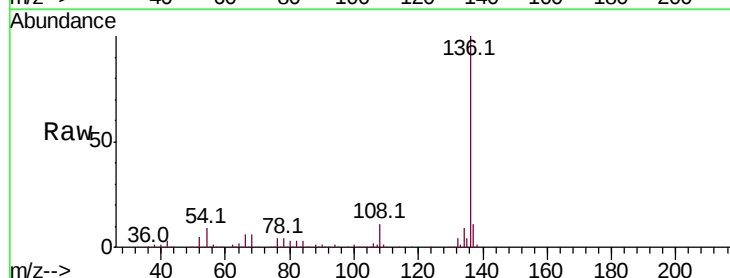
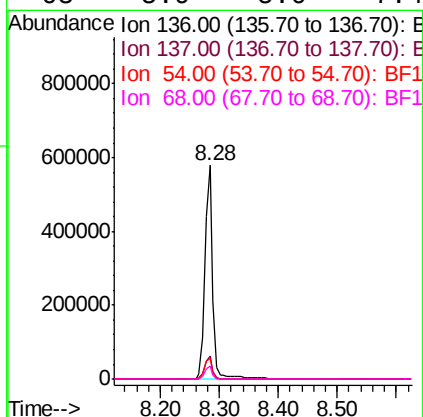
RT: 8.28 min Scan# 1011

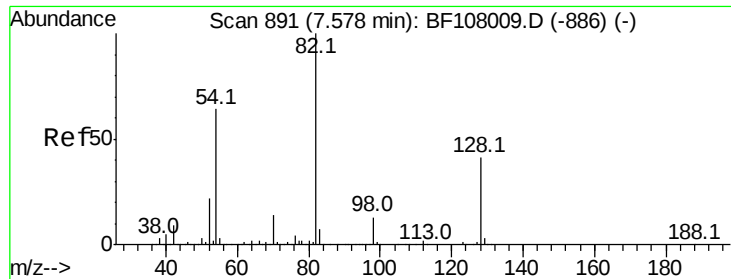
Delta R.T. -0.01 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

Tgt Ion:	136	Resp:	523830
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.4	6.6	9.8
68	5.9	5.0	7.4





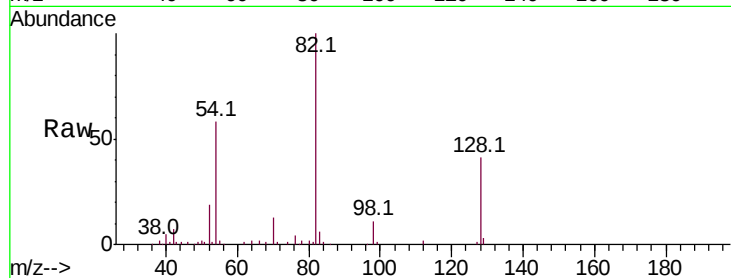
#23
 Nitrobenzene-d5
 Concen: 10.698 ng
 RT: 7.55 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF108502.D
 Acq: 27 Aug 2018 11:36

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082318

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	57.6	41.4	62.2

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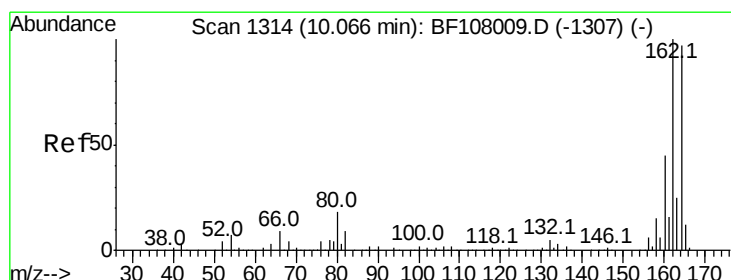
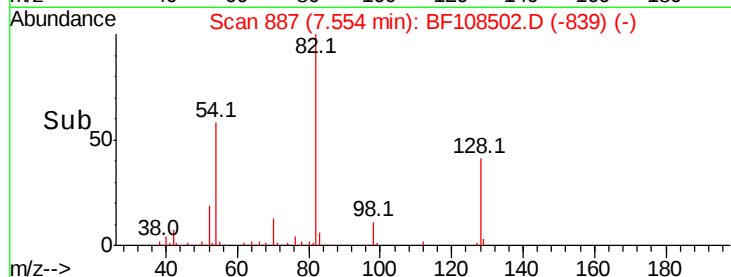
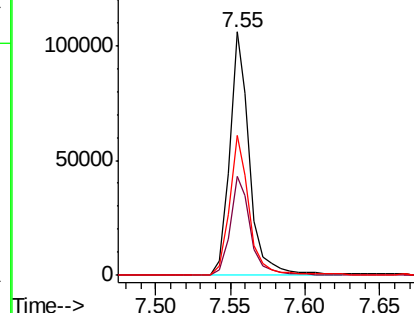


Abundance

Ion 82.00 (81.70 to 82.70): BF1

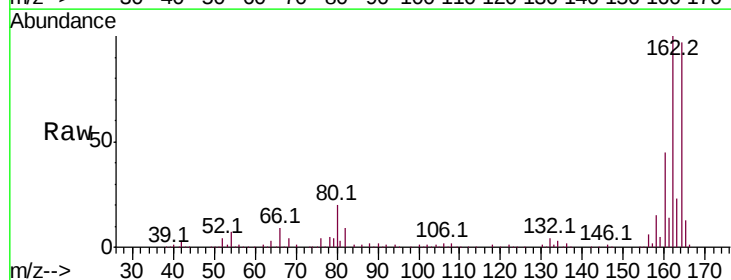
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108502.D
 Acq: 27 Aug 2018 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	45.9	38.3	57.5

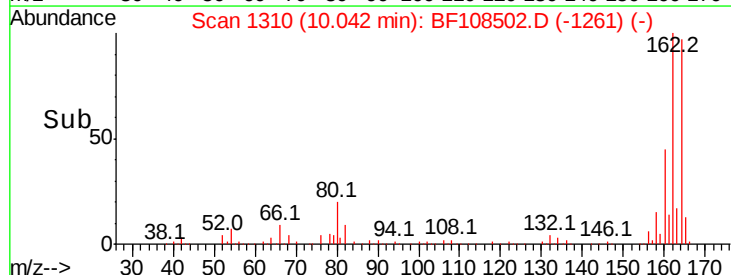
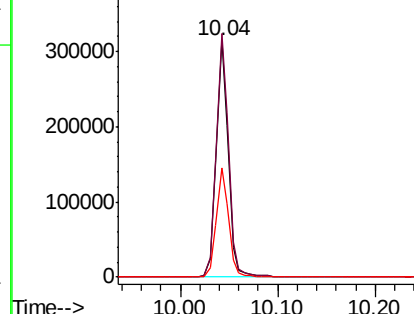


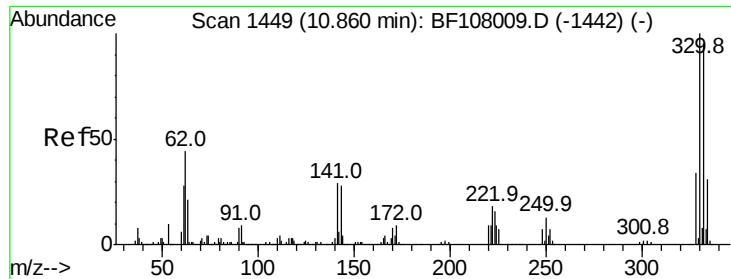
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





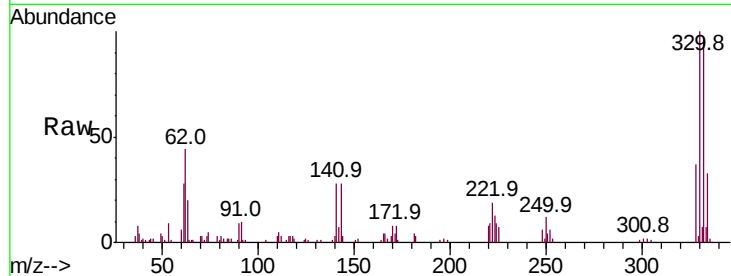
#41
 2,4,6-Tribromophenol
 Concen: 16.709 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108502.D
 Acq: 27 Aug 2018 11:36

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082318

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	32.1	29.9	44.9

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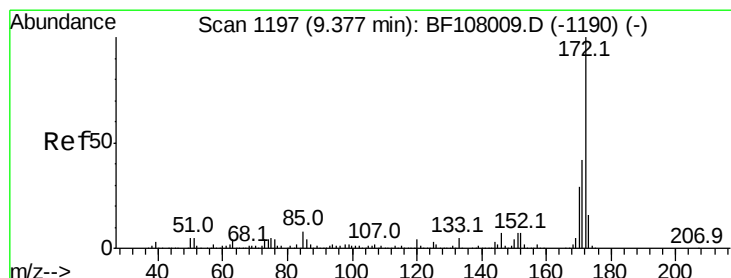
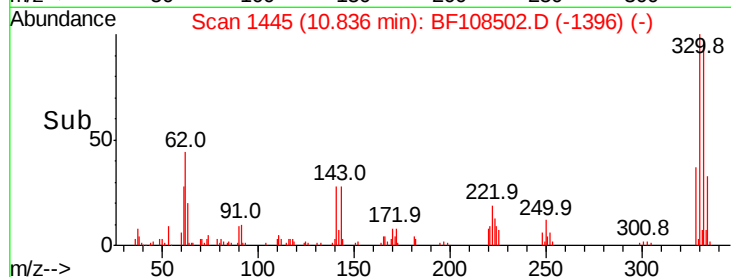
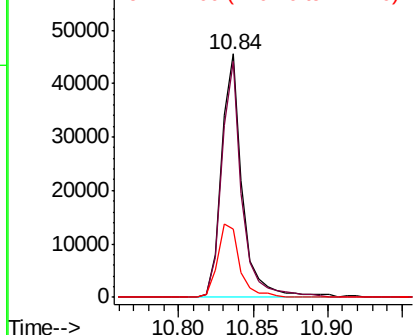


Abundance

Ion 329.80 (329.50 to 330.50): E

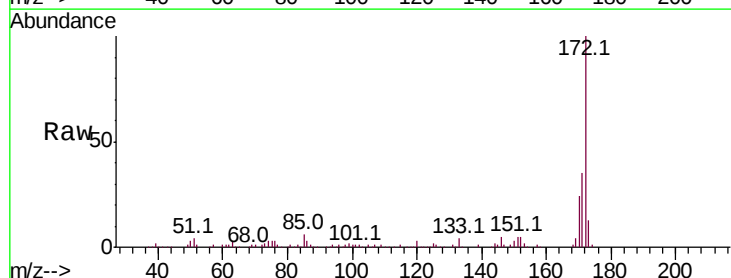
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 12.040 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108502.D
 Acq: 27 Aug 2018 11:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.7	19.6	29.4

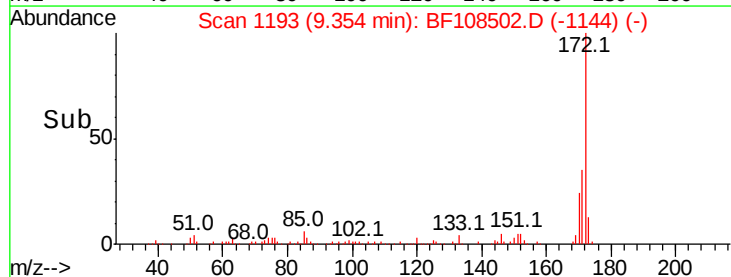
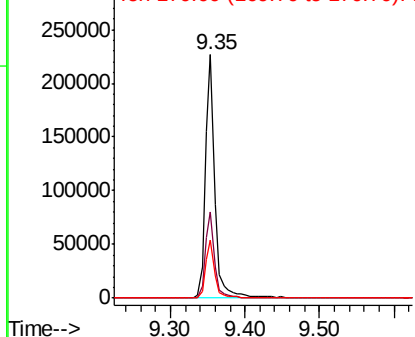


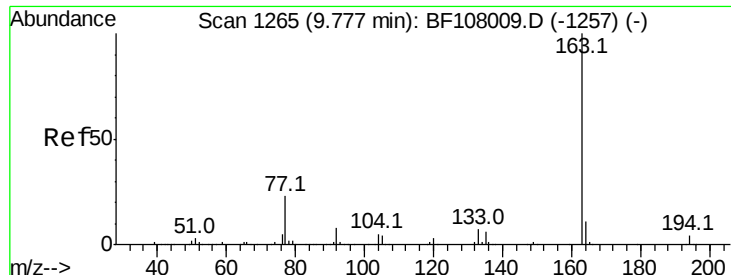
Abundance

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





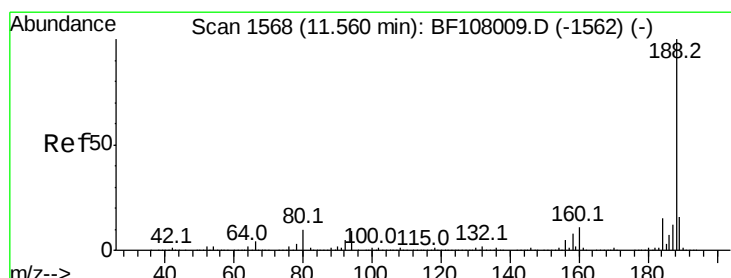
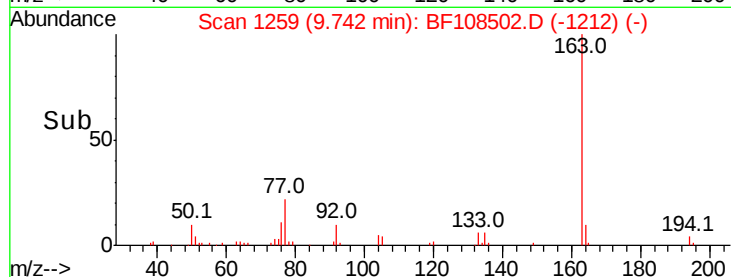
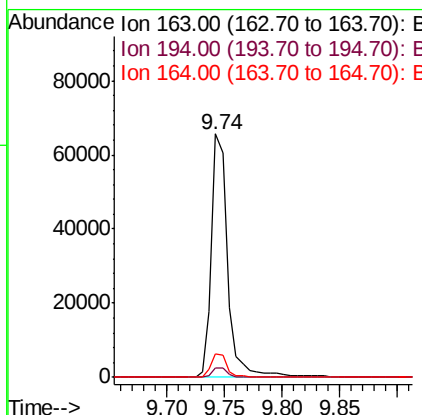
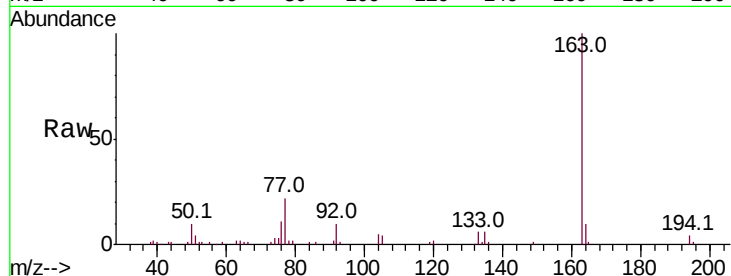
#49
Dimethylphthalate
Concen: 3.449 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108502.D
Acq: 27 Aug 2018 11:36

Instrument :
BNA_F
ClientSampleId :
BU-01-082318

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.7	8.2	12.2

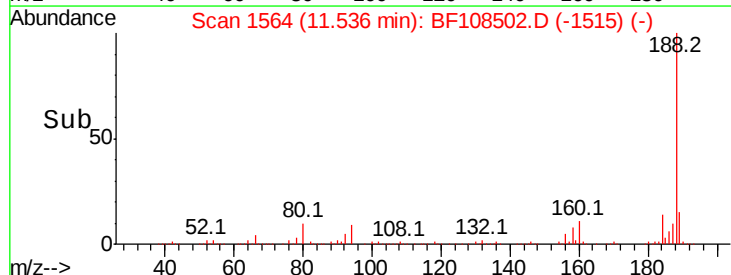
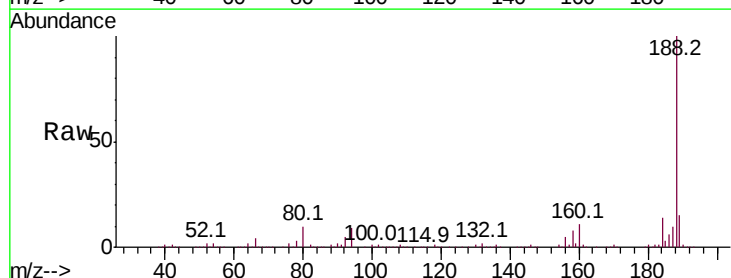
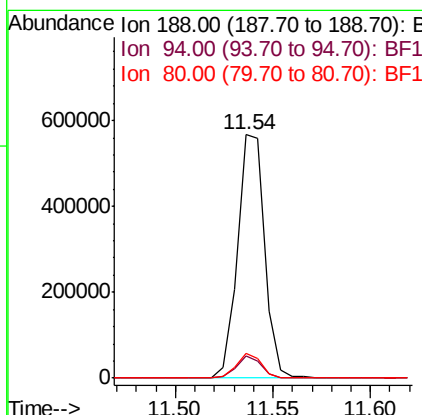
Manual Integrations
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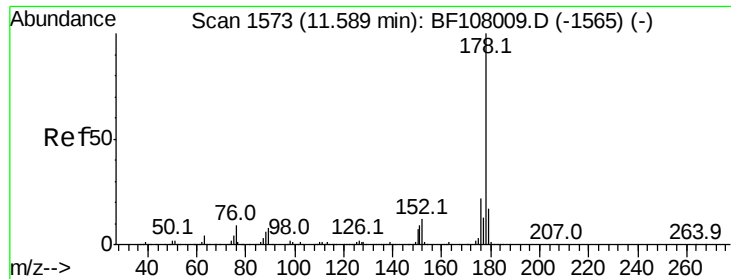
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108502.D
Acq: 27 Aug 2018 11:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.1	9.2	13.8





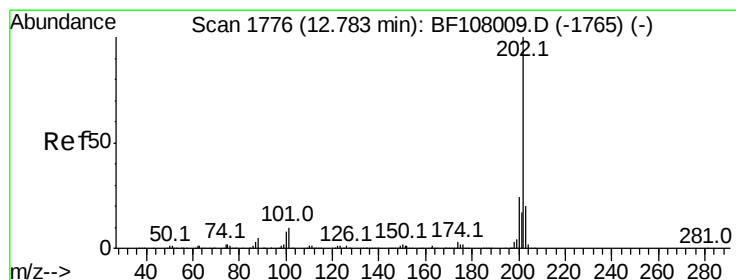
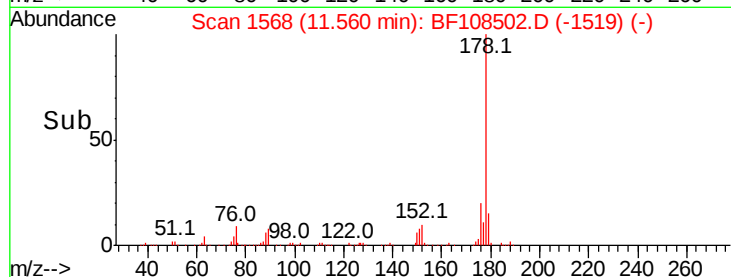
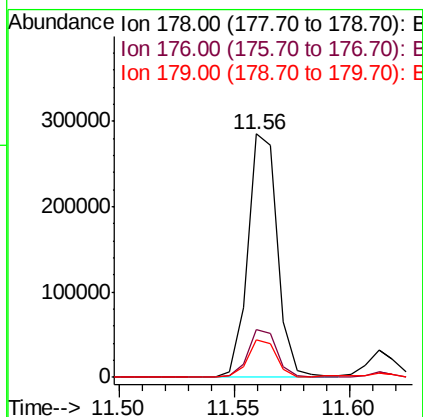
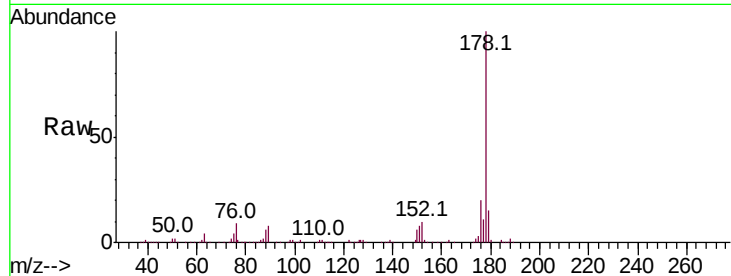
#70
Phenanthrene
Concen: 9.959 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF108502.D
Acq: 27 Aug 2018 11:36

Instrument :
BNA_F
ClientSampleId :
BU-01-082318

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.4	13.0	19.6

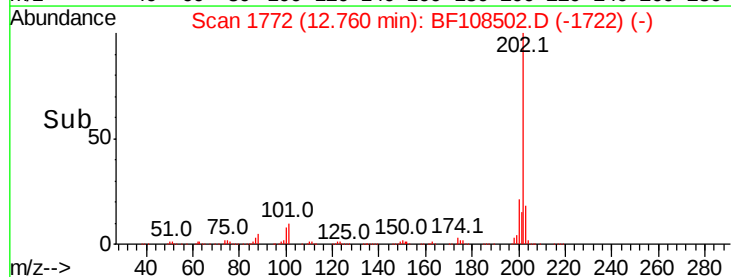
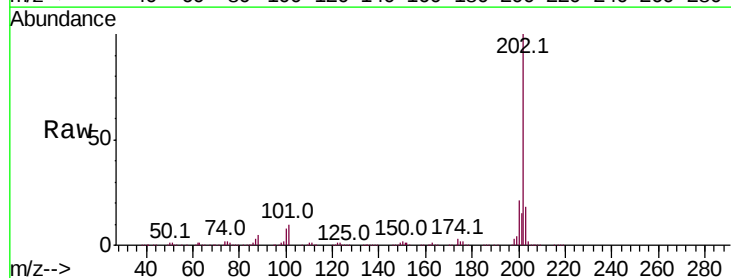
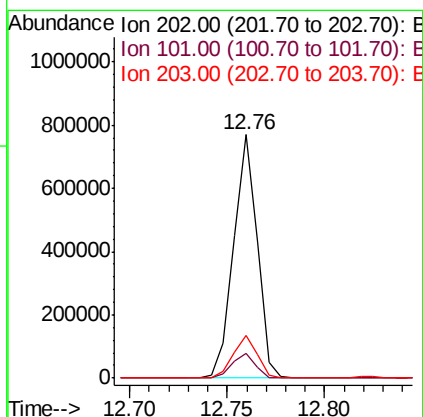
Manual Integrations
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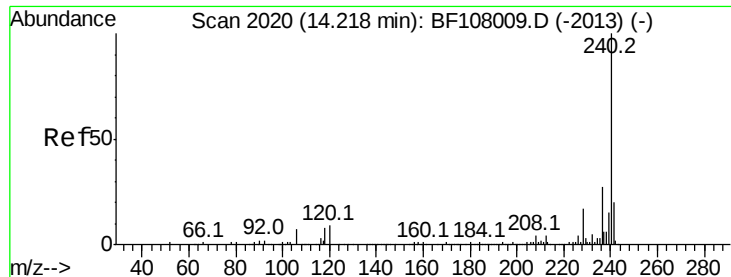
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#74
Fluoranthene
Concen: 23.029 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108502.D
Acq: 27 Aug 2018 11:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	17.7	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: BF108502.D

Acq: 27 Aug 2018 11:36

Instrument :

BNA_F

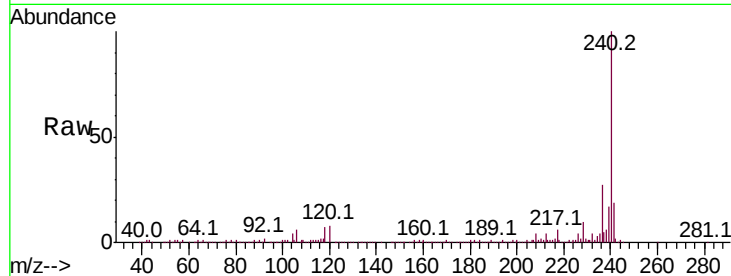
ClientSampleId :

BU-01-082318

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.7	9.5	14.3#
236	27.1	20.7	31.1

Manual Integrations
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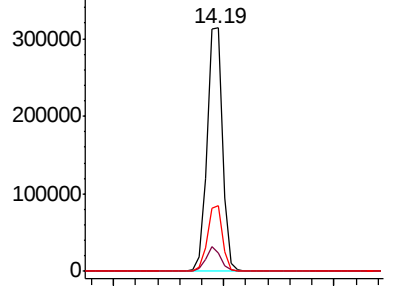
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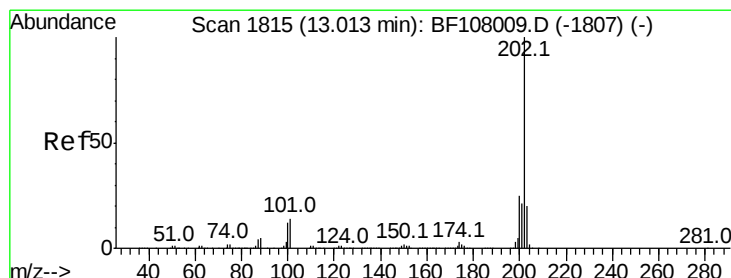
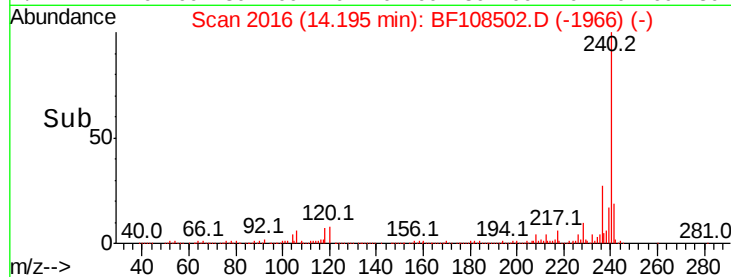
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 25.399 ng

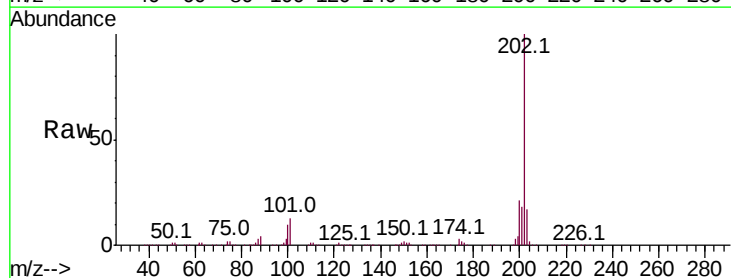
RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

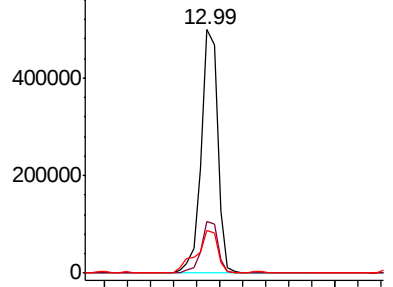
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.5	14.3	21.5



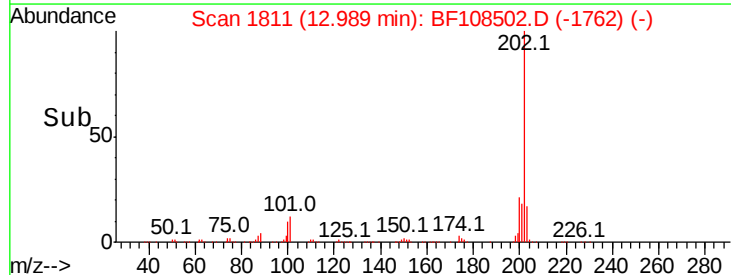
Abundance Ion 202.00 (201.70 to 202.70): E

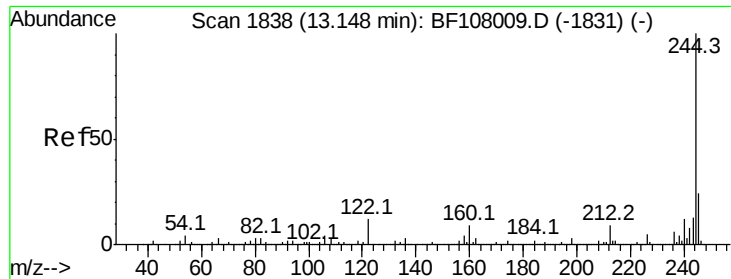
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





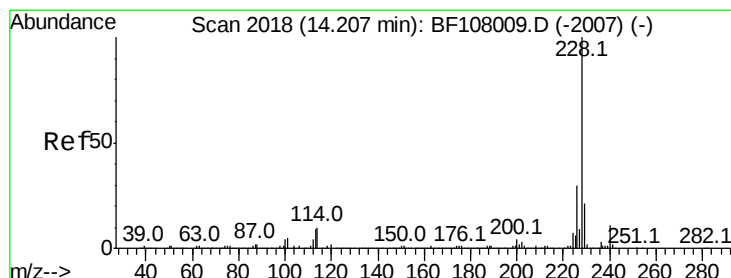
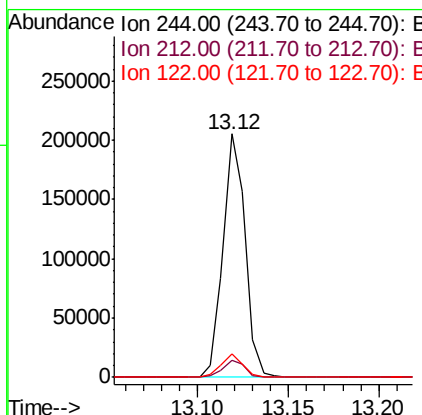
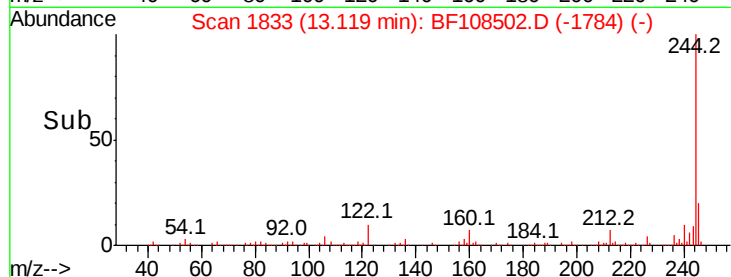
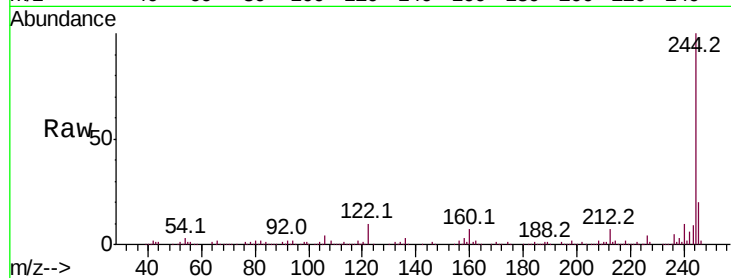
#78
 Terphenyl-d14
 Concen: 14.232 ng
 RT: 13.12 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF108502.D
 Acq: 27 Aug 2018 11:36

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-082318

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	9.7	11.0	16.4

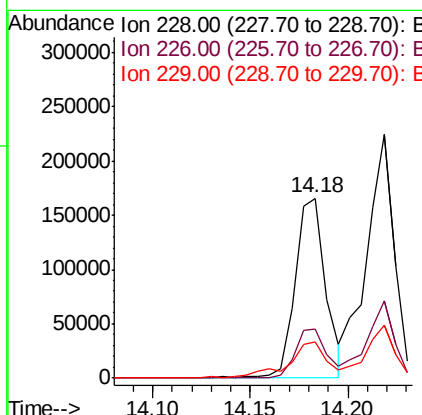
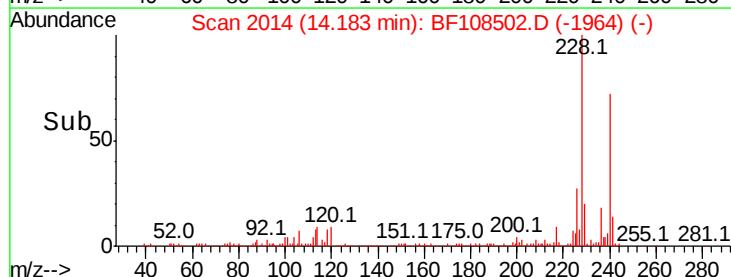
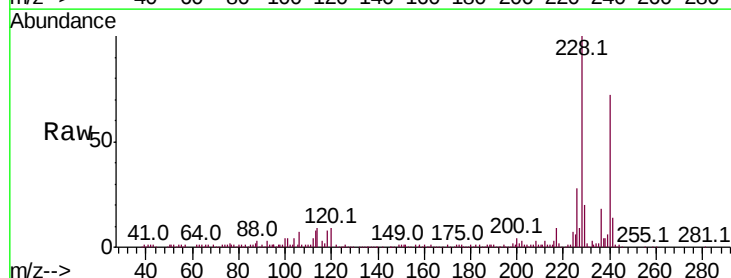
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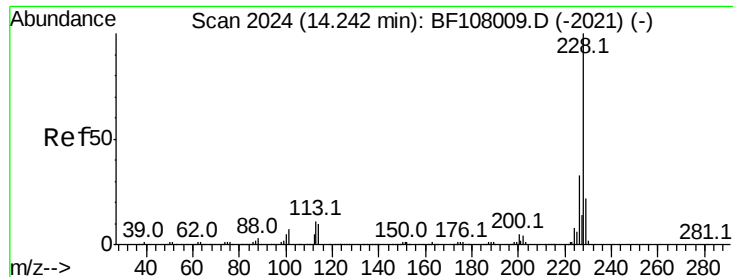
Sohil
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#80
 Benzo(a)anthracene
 Concen: 10.080 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108502.D
 Acq: 27 Aug 2018 11:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.4	15.8	23.6





#82

Chrysene

Concen: 13.649 ng

RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

Instrument :

BNA_F

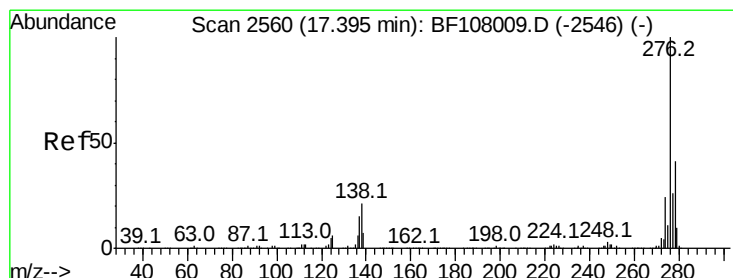
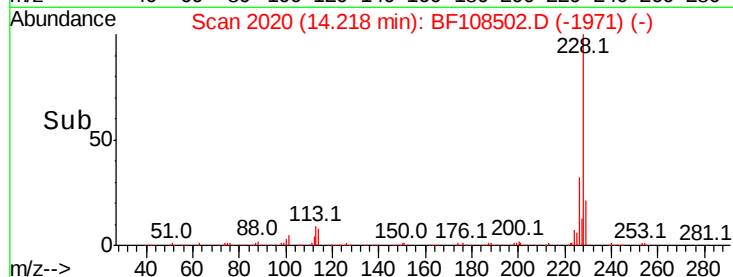
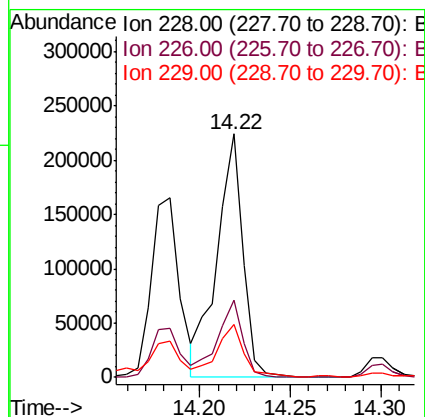
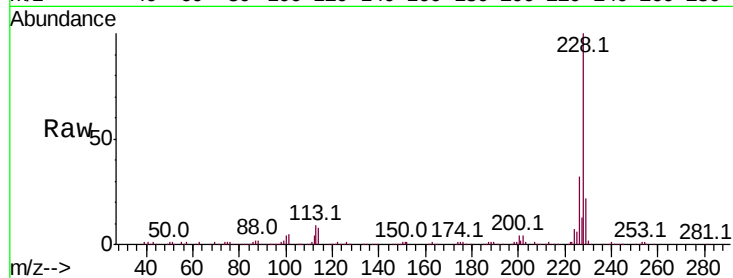
ClientSampleId :

BU-01-082318

Tot Ion:	228	Resp:	223095
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	21.6	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.206 ng

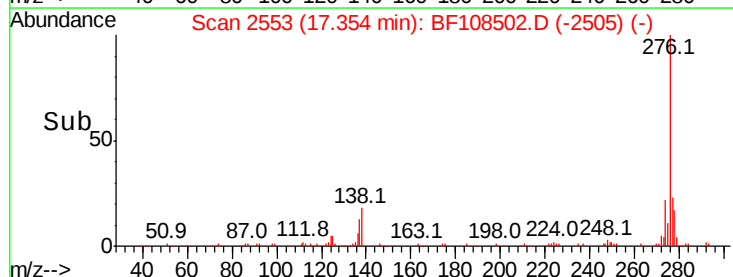
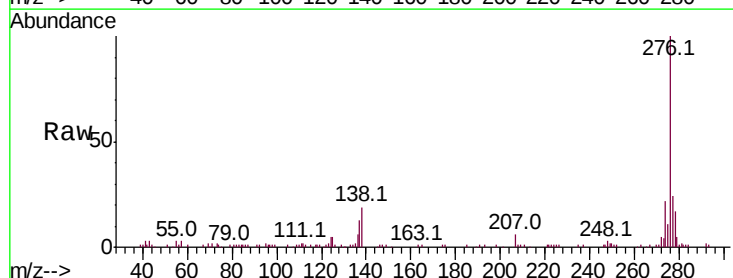
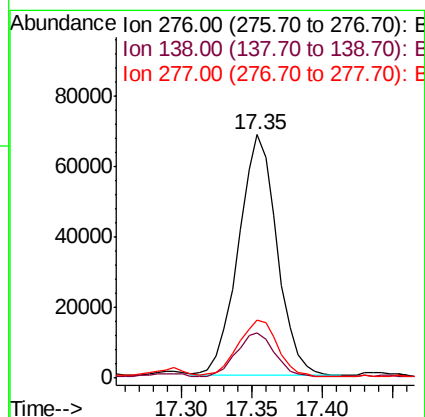
RT: 17.35 min Scan# 2553

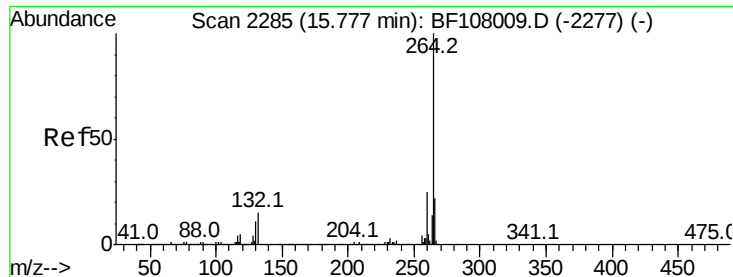
Delta R.T. -0.02 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

Tgt Ion:	276	Resp:	130377
Ion Ratio	Lower	Upper	
276	100		
138	19.7	25.0	37.6#
277	24.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

Instrument :

BNA_F

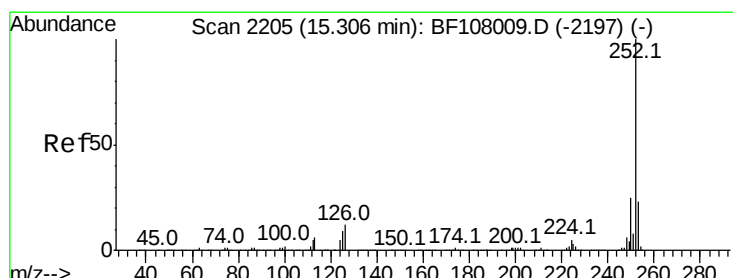
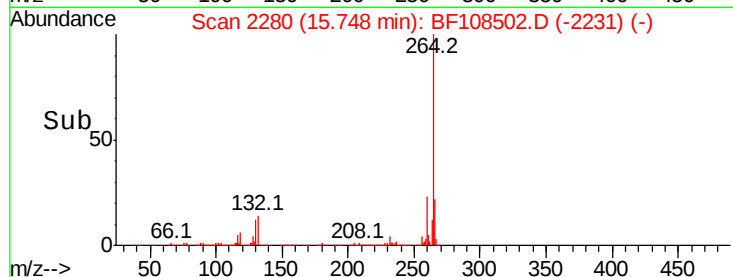
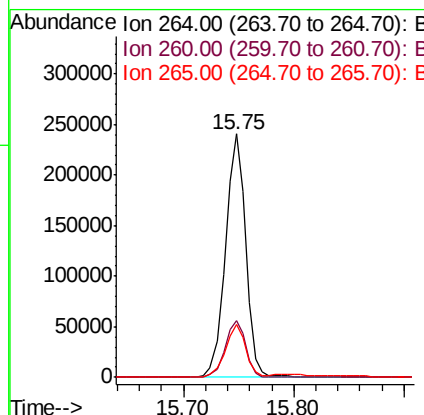
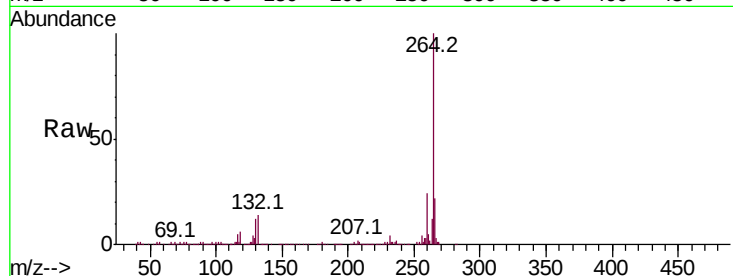
ClientSampleId :

BU-01-082318

Tot Ion:	264	Resp:	308855
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 14.928 ng m

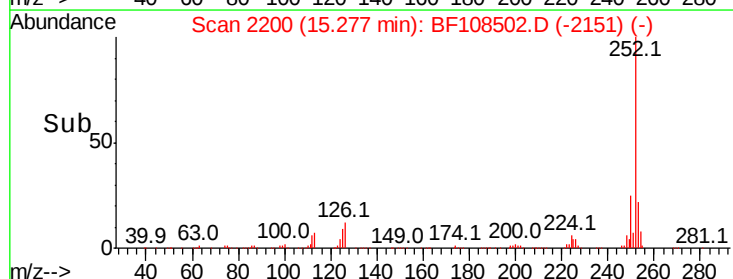
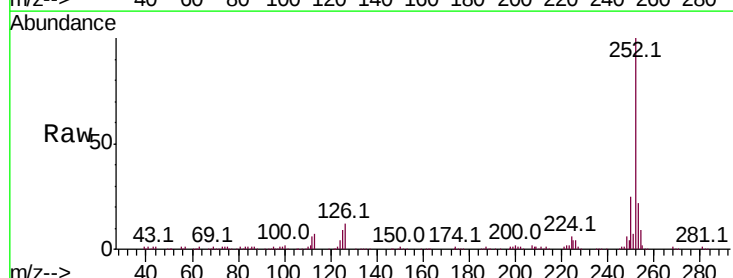
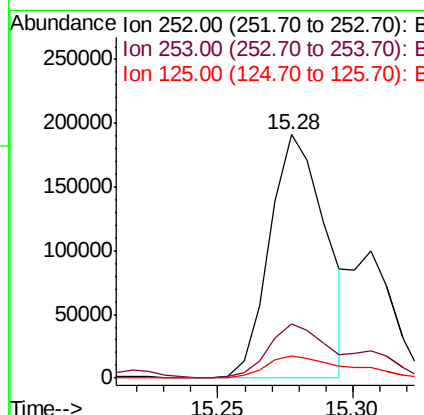
RT: 15.28 min Scan# 2200

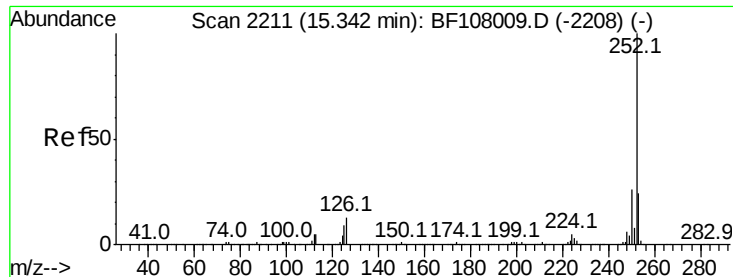
Delta R.T. -0.01 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

Tgt Ion:	252	Resp:	275497
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	9.0	9.0	13.6#





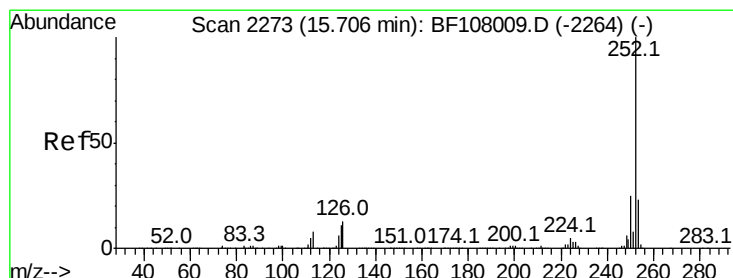
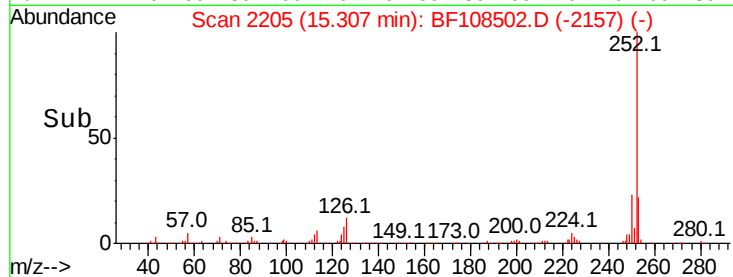
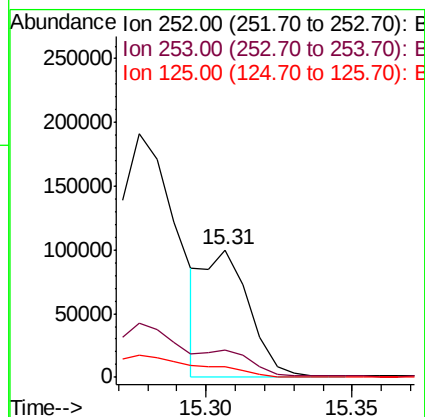
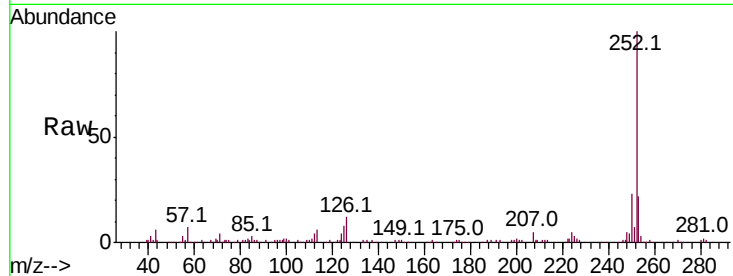
#88
Benzo(k)fluoranthene
Concen: 6.338 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF108502.D
Acq: 27 Aug 2018 11:36

Instrument :
BNA_F
ClientSampleId :
BU-01-082318

Tot Ion	Ratio	Resp	Lower	Upper
252	100	107527		
253	21.7		17.9	26.9
125	8.4		10.2	15.2#

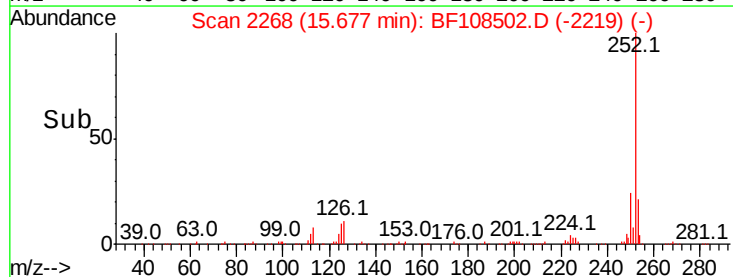
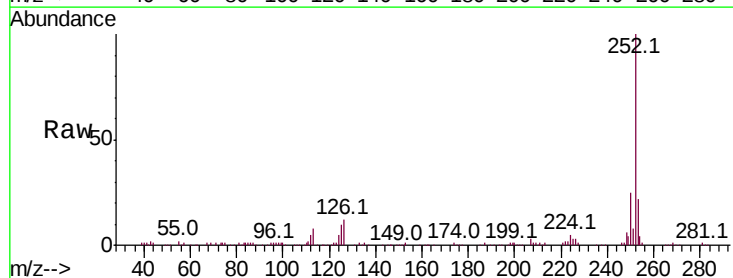
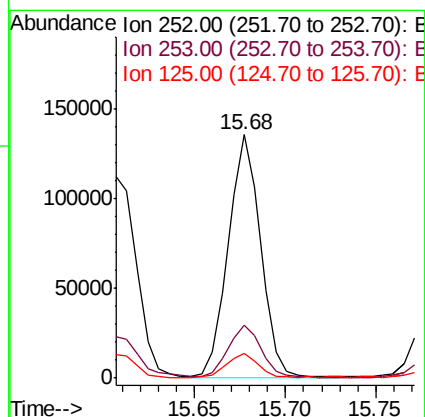
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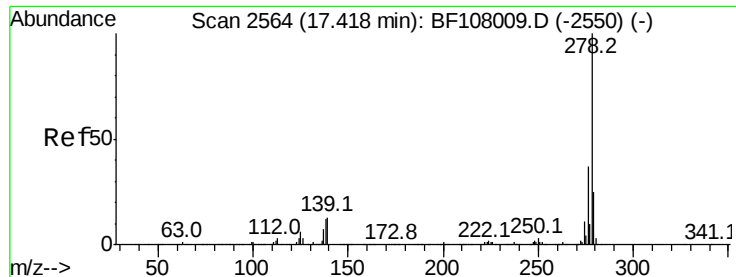
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#89
Benzo(a)pyrene
Concen: 10.151 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108502.D
Acq: 27 Aug 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	167750		
253	21.8		17.1	25.7
125	10.3		9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.273 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.03 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

Instrument :

BNA_F

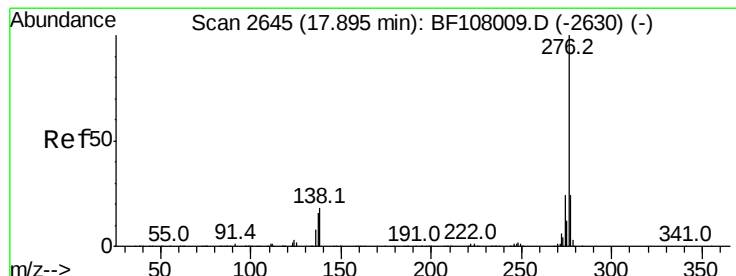
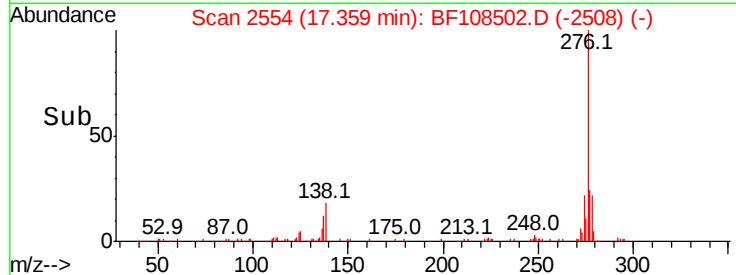
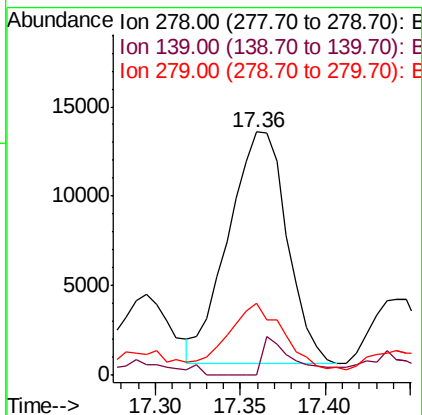
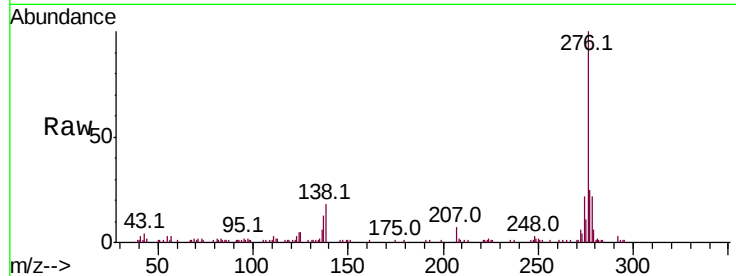
ClientSampleId :

BU-01-082318

Tot Ion:	278	Resp:	31087
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	29.6	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.257 ng

RT: 17.85 min Scan# 2637

Delta R.T. -0.02 min

Lab File: BF108502.D

Acq: 27 Aug 2018 11:36

Tgt Ion:	276	Resp:	124638
Ion Ratio	Lower	Upper	
276	100		
277	22.7	17.9	26.9
138	19.7	21.8	32.8#

