

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108102.D
 Acq On : 10 Aug 2018 23:36
 Operator : JU/SJ
 Sample : J4282-03 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Manual Integrations
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 8/13/2018 3:52:34 PM

Quant Time: Aug 11 03:26:50 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 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	247782	20.00	ng	0.00
21) Naphthalene-d8	8.31	136	865894	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	366818	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	634043	20.00	ng	0.00
75) Chrysene-d12	14.22	240	503161	20.00	ng	0.00
86) Perylene-d12	15.79	264	350943	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	331204	24.20	ng	0.00
7) Phenol-d6	6.62	99	450344	24.76	ng	0.00
23) Nitrobenzene-d5	7.58	82	260751	16.80	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	73258	20.02	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	432704	18.94	ng	0.00
78) Terphenyl-d14	13.15	244	388770	19.65	ng	0.00
Target Compounds						
70) Phenanthrene	11.59	178	244333	8.170	ng	Qvalue 100
71) Anthracene	11.64	178	71140	2.321	ng	99
74) Fluoranthene	12.79	202	387942	11.886	ng	95
77) Pyrene	13.02	202	357331	11.217	ng	99
80) Benzo(a)anthracene	14.21	228	158191	5.478	ng	99
82) Chrysene	14.25	228	124024	4.685	ng	98
85) Indeno(1,2,3-cd)pyrene	17.42	276	56075	2.445	ng	# 89
87) Benzo(b)fluoranthene	15.32	252	129331m	6.167	ng	
88) Benzo(k)fluoranthene	15.35	252	52977m	2.748	ng	
89) Benzo(a)pyrene	15.72	252	95289	5.074	ng	93
91) Benzo(g,h,i)perylene	17.91	276	56057	3.664	ng	94

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

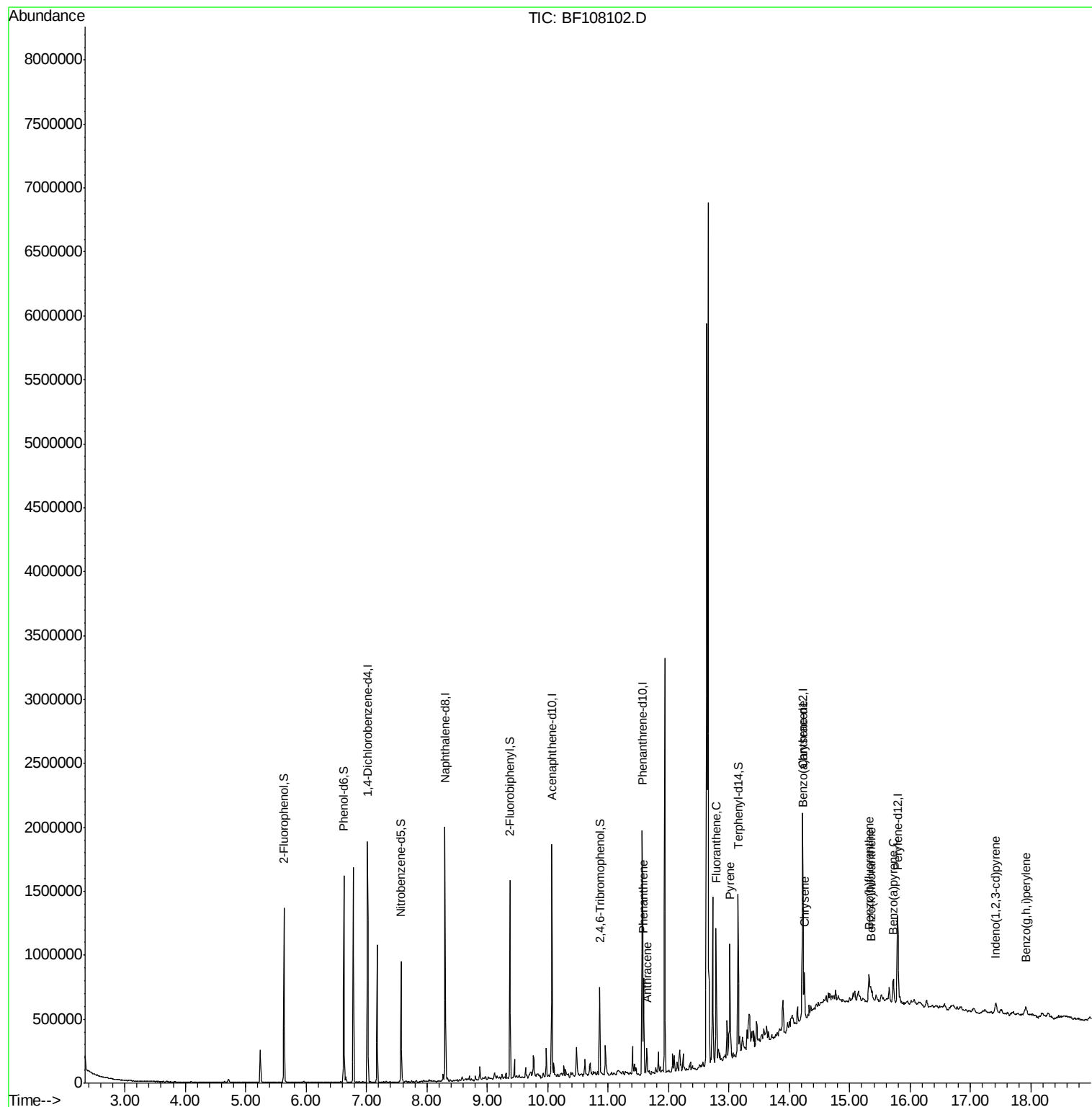
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

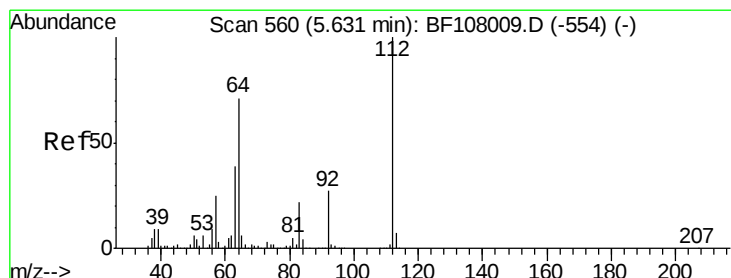
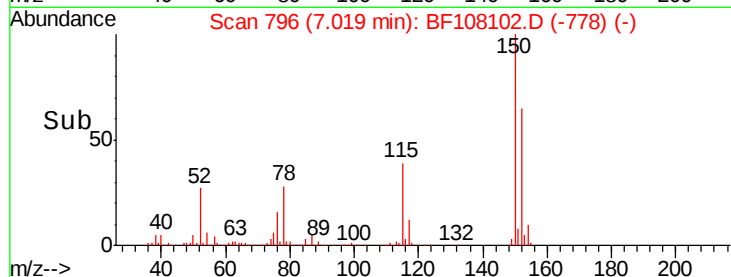
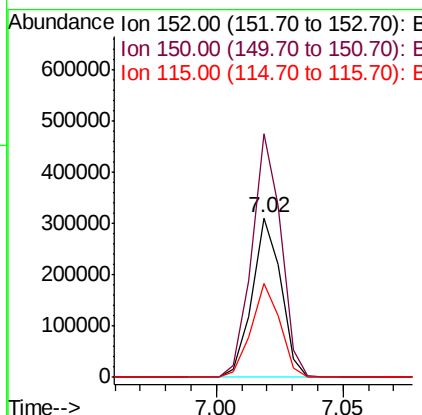
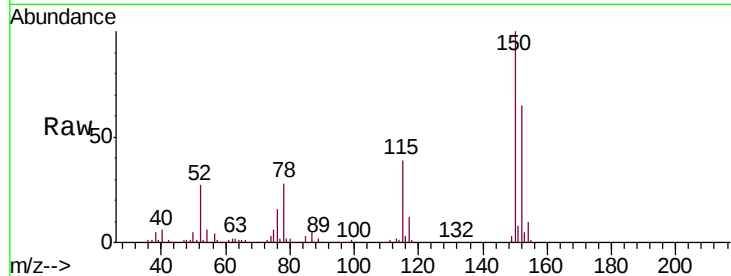
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-B

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	247782		
150	152.9	124.6	186.8	
115	59.2	50.1	75.1	

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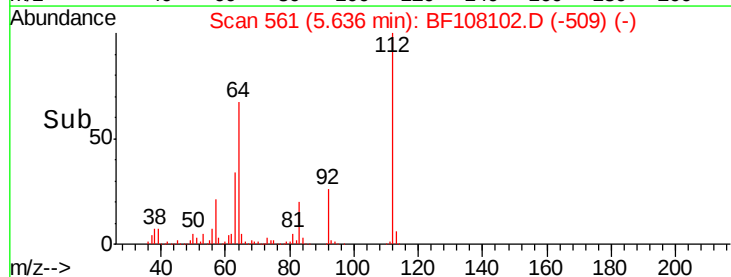
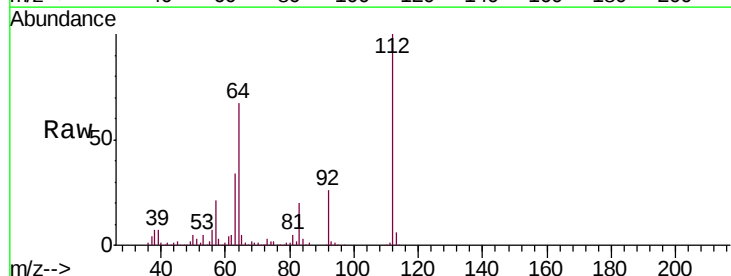
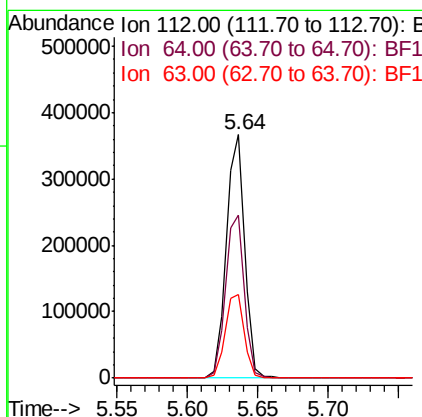
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#5

2-Fluorophenol
Concen: 24.200 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	331204		
64	66.8	47.9	71.9	
63	34.3	23.7	35.5	





#7

Phenol-d6

Concen: 24.762 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

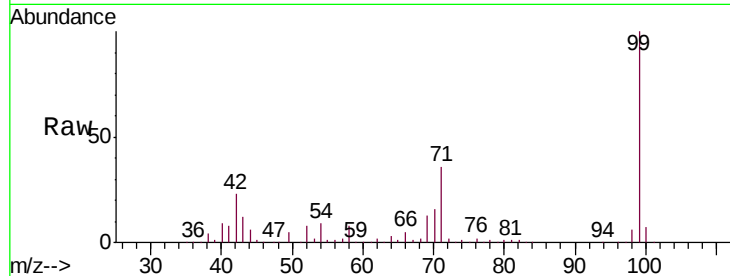
ClientSampleId :

SU-02-080918-B

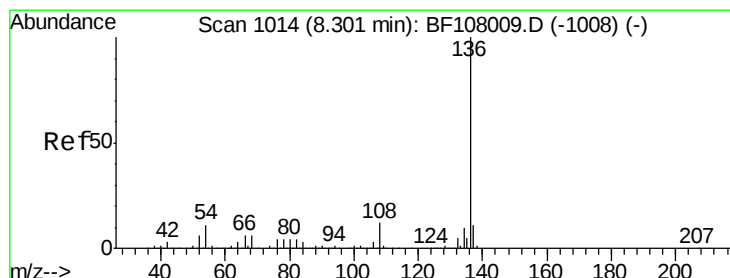
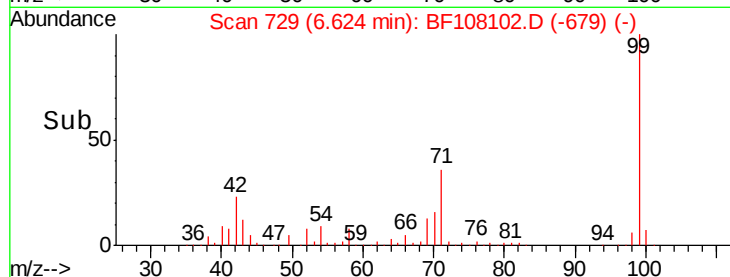
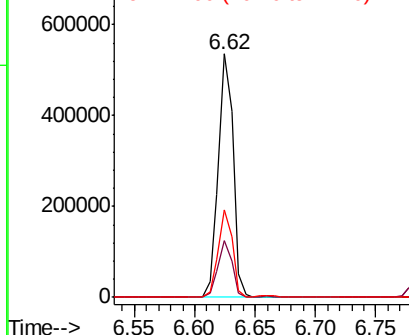
Tgt Ion:	99	Resp:	450344
Ion Ratio	Lower	Upper	
99	100		
42	23.3	14.5	21.7#
71	36.0	25.4	38.0

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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: 8.31 min Scan# 1015

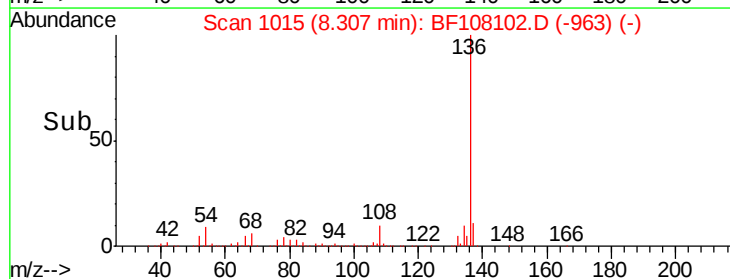
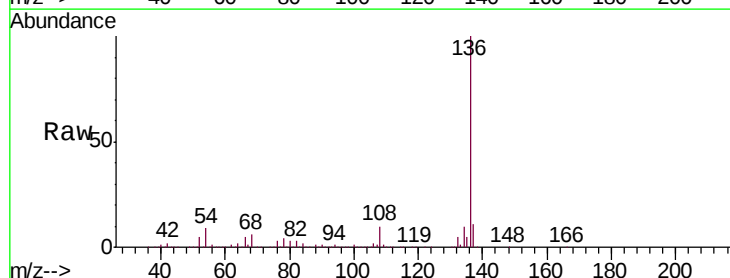
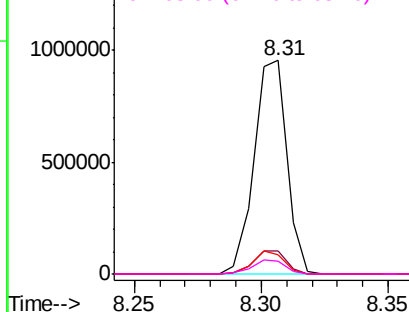
Delta R.T. 0.01 min

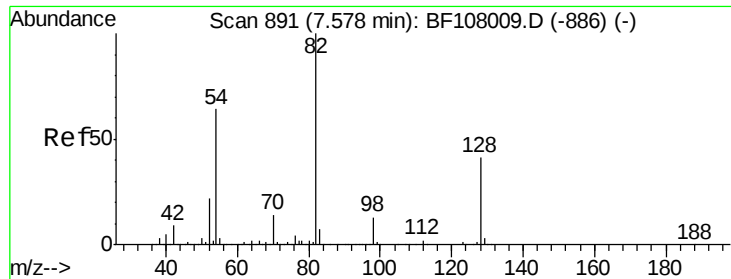
Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Tgt Ion:	136	Resp:	865894
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.1	6.6	9.8
68	5.8	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





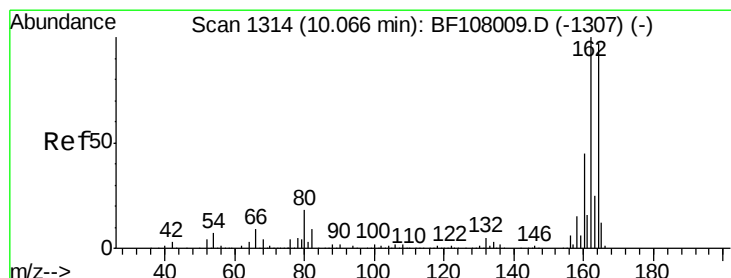
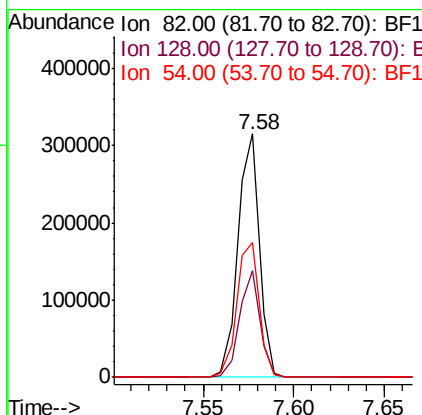
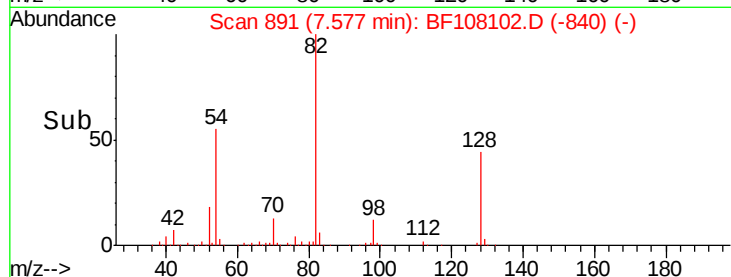
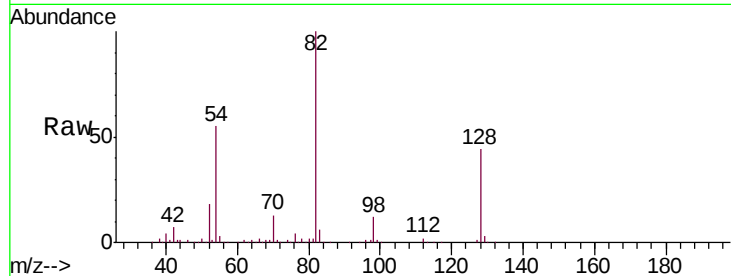
#23
 Nitrobenzene-d5
 Concen: 16.804 ng
 RT: 7.58 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	260751		
128	44.0	36.1	54.1	
54	55.4	41.4	62.2	

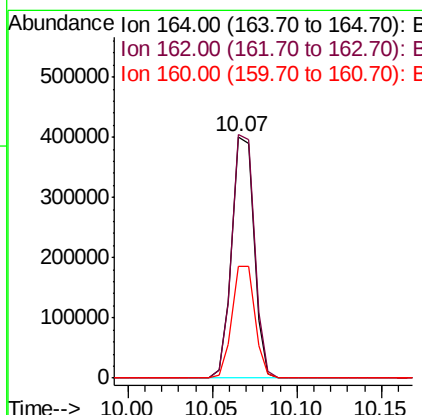
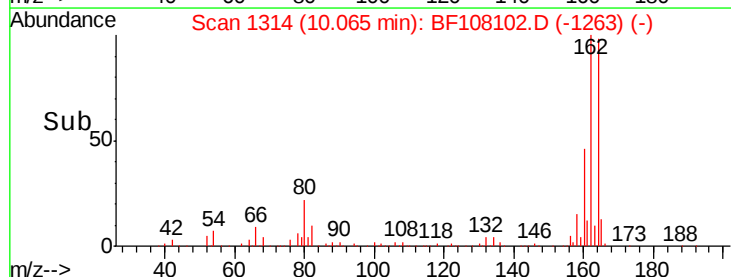
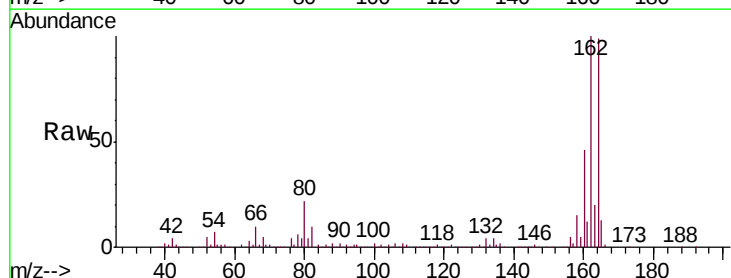
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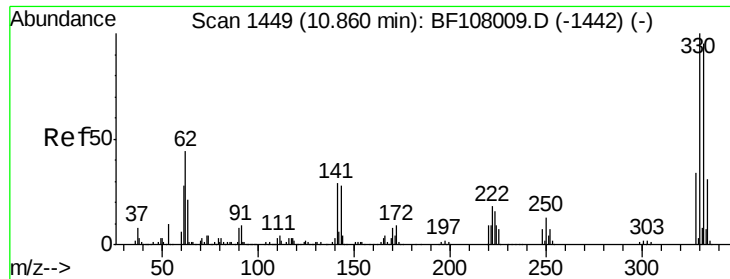
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	366818		
162	101.0	86.1	129.1	
160	46.2	38.3	57.5	





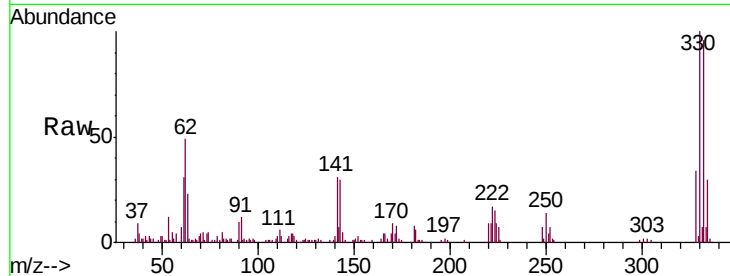
#41
 2,4,6-Tribromophenol
 Concen: 20.022 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	73258		
332	97.5		77.0	115.6
141	33.8		29.9	44.9

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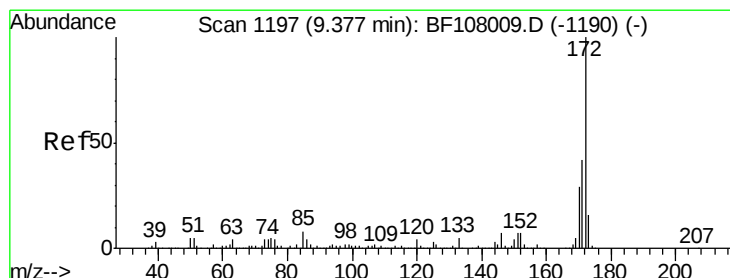
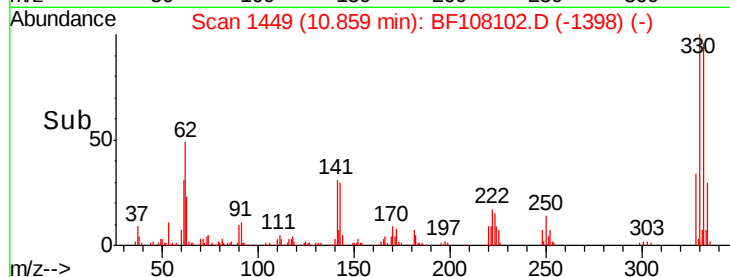
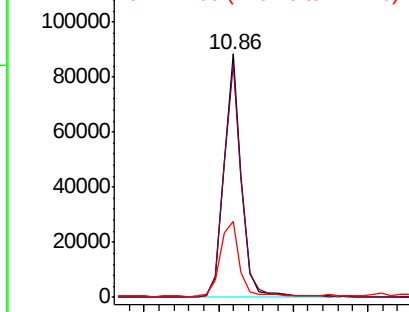


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 18.938 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

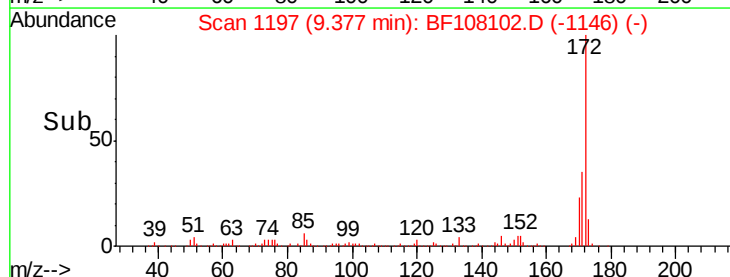
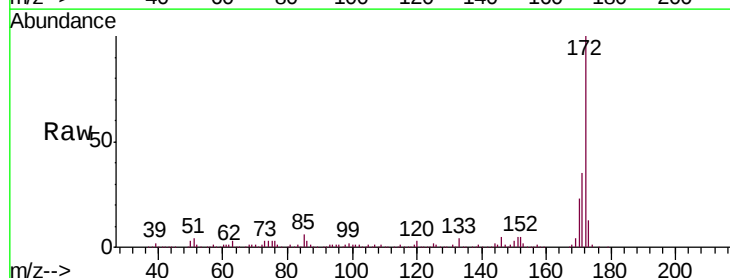
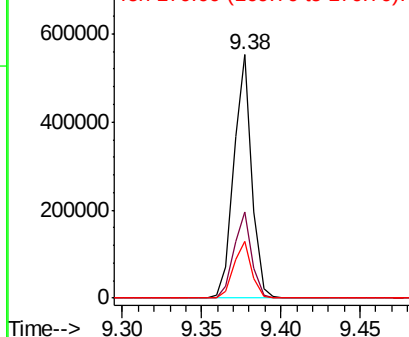
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	432704		
171	35.4		29.7	44.5
170	23.3		19.6	29.4

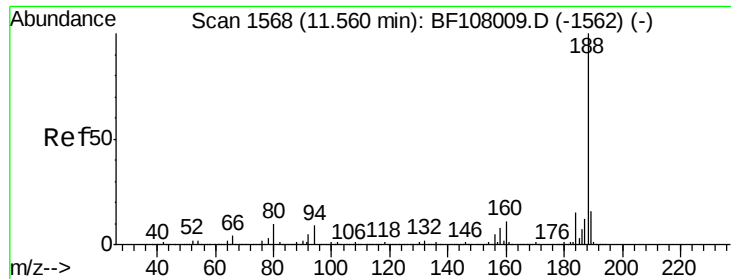
Abundance

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





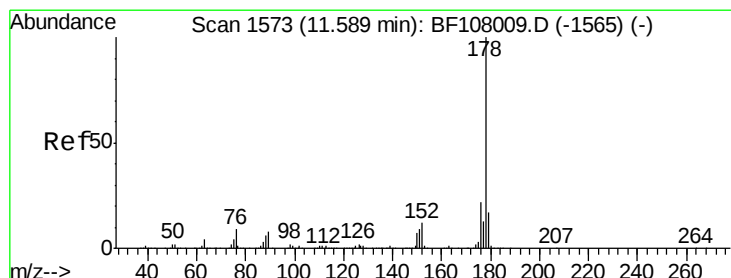
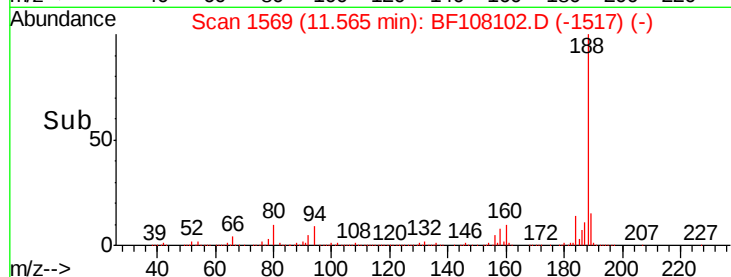
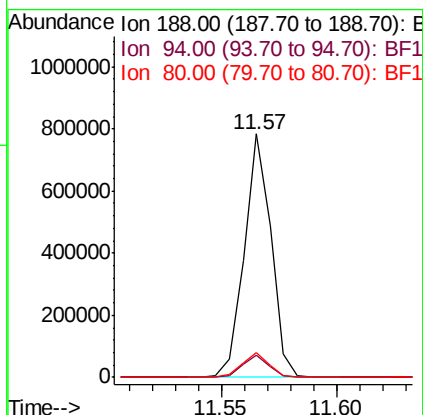
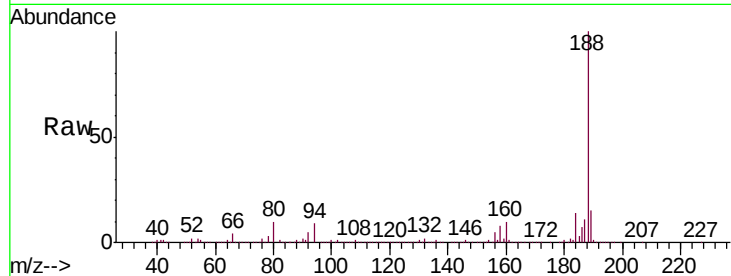
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.2	8.5	12.7
80	10.0	9.2	13.8

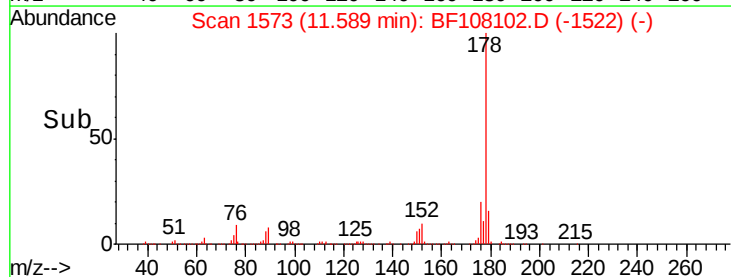
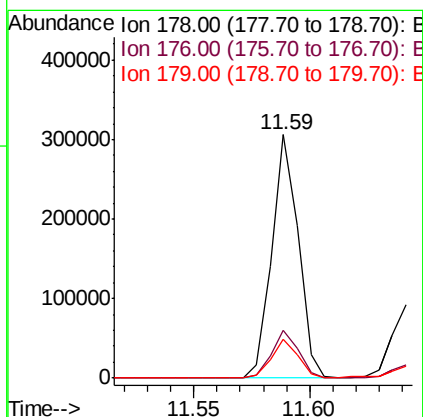
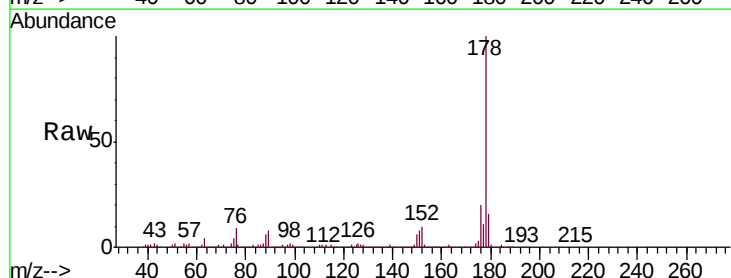
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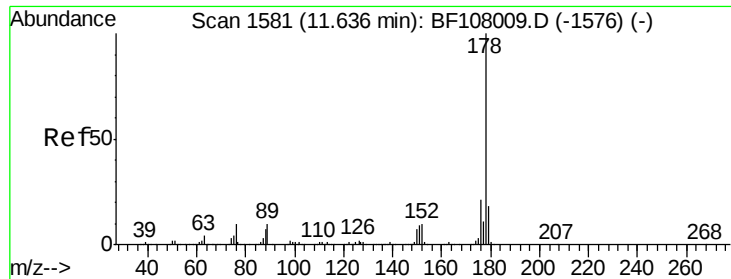
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#70
Phenanthrene
Concen: 8.170 ng
RT: 11.59 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	15.8	23.8
179	16.1	13.0	19.6





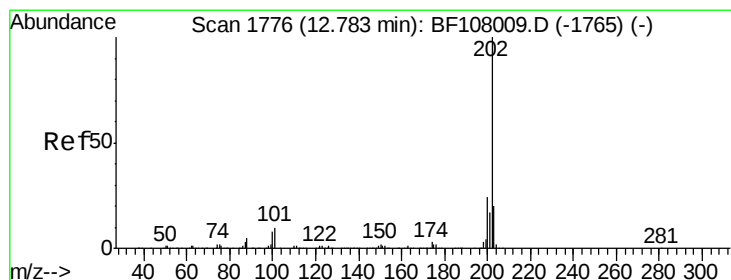
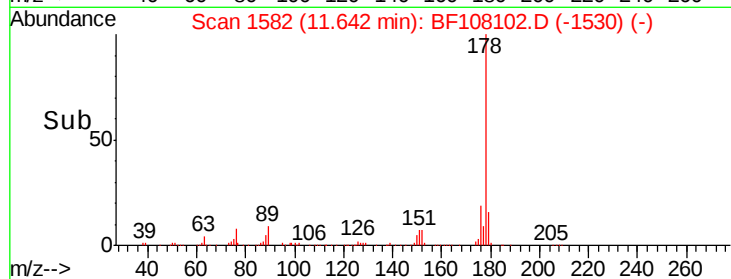
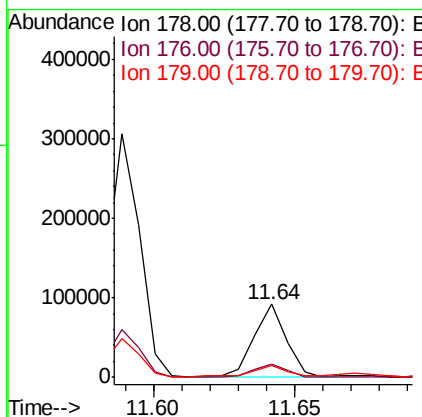
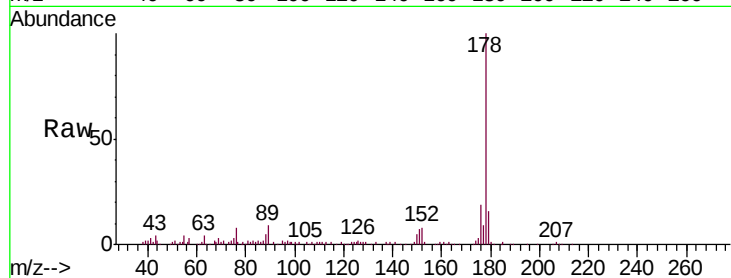
#71
 Anthracene
 Concen: 2.321 ng
 RT: 11.64 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.9	12.6	19.0

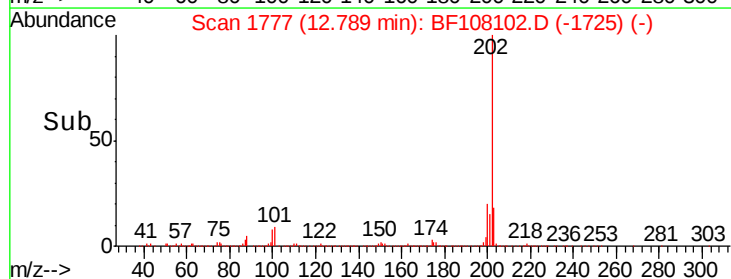
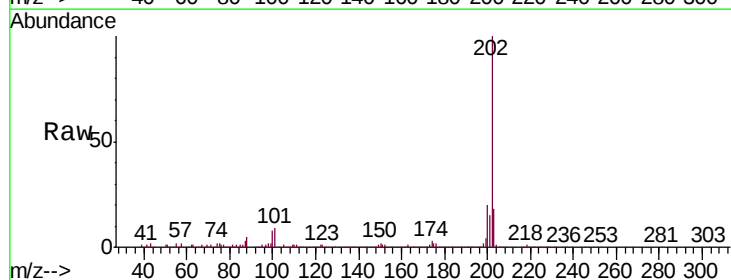
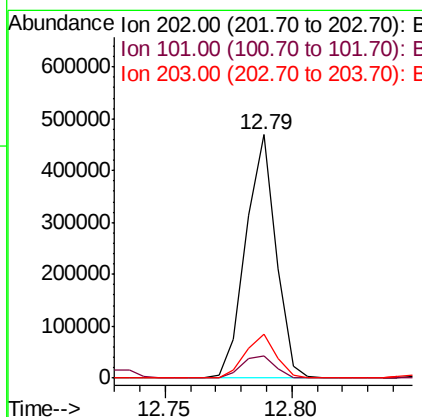
Manual Integrations
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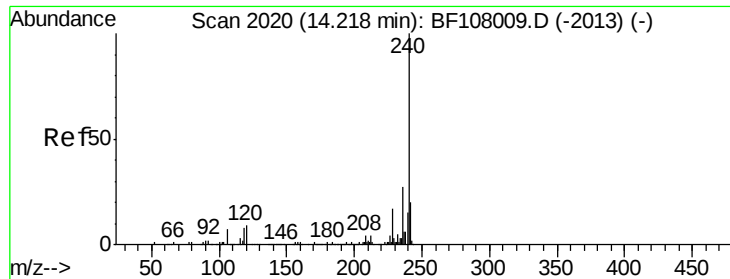
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#74
 Fluoranthene
 Concen: 11.886 ng
 RT: 12.79 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

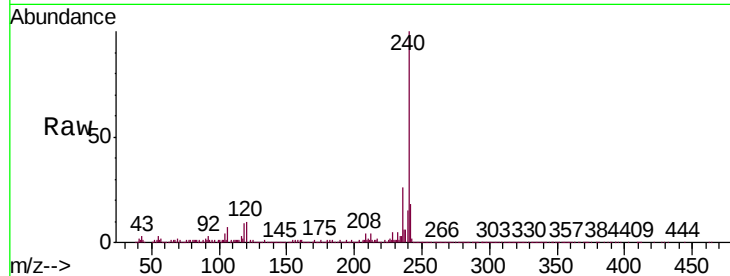
ClientSampleId :

SU-02-080918-B

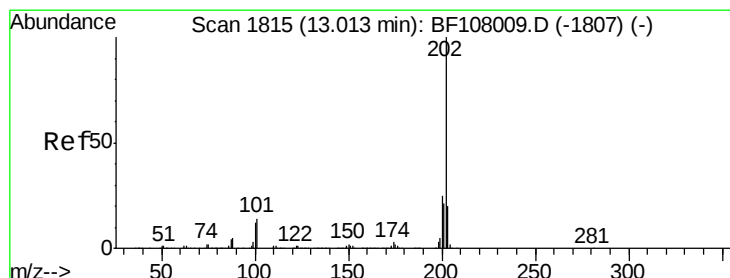
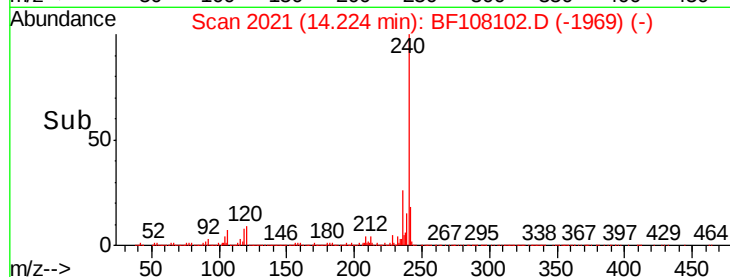
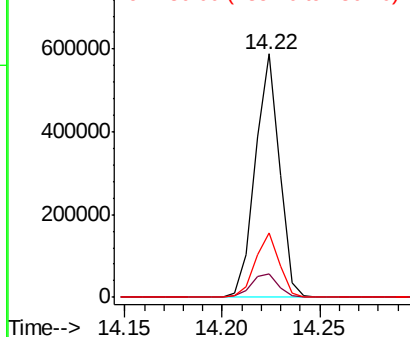
Tgt	Ion	240	Resp:	503161
Ion	Ratio	Lower	Upper	
240	100			
120	9.6	9.5	14.3	
236	26.2	20.7	31.1	

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
800000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.217 ng

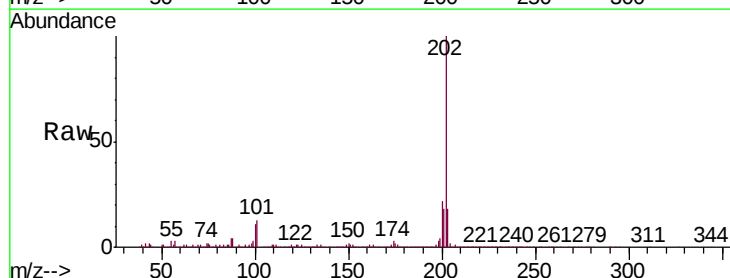
RT: 13.02 min Scan# 1816

Delta R.T. 0.01 min

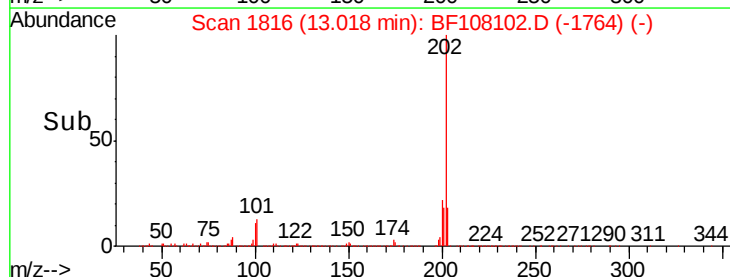
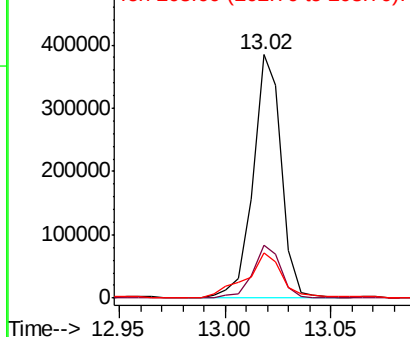
Lab File: BF108102.D

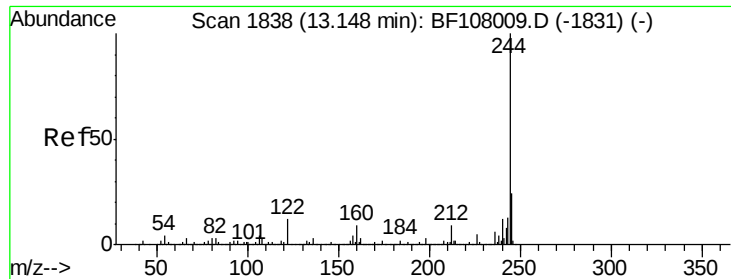
Acq: 10 Aug 2018 23:36

Tgt	Ion	202	Resp:	357331
Ion	Ratio	Lower	Upper	
202	100			
200	22.0	17.4	26.2	
203	18.4	14.3	21.5	



Abundance Ion 202.00 (201.70 to 202.70): E
500000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





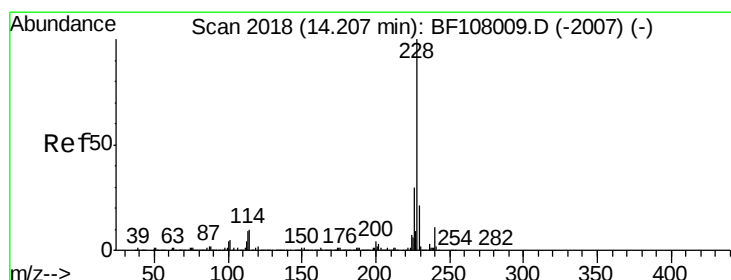
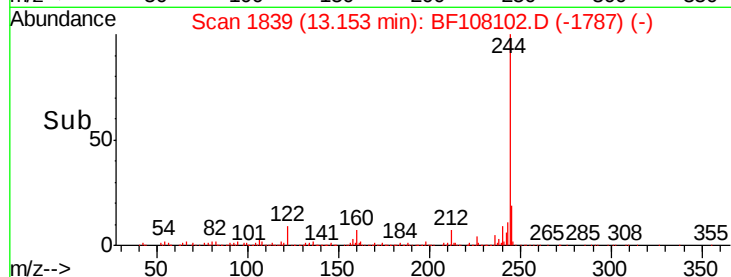
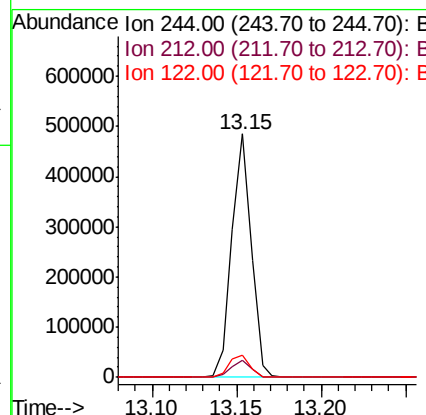
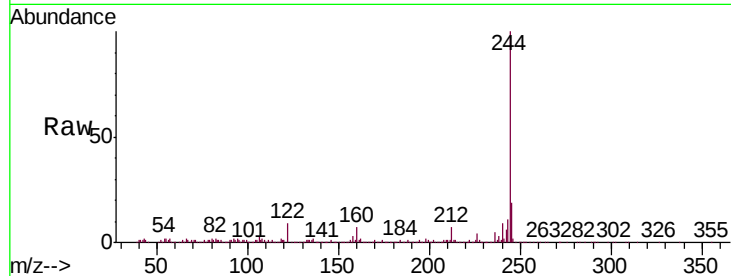
#78
 Terphenyl-d14
 Concen: 19.645 ng
 RT: 13.15 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.4	8.0
122	9.3	11.0	16.4

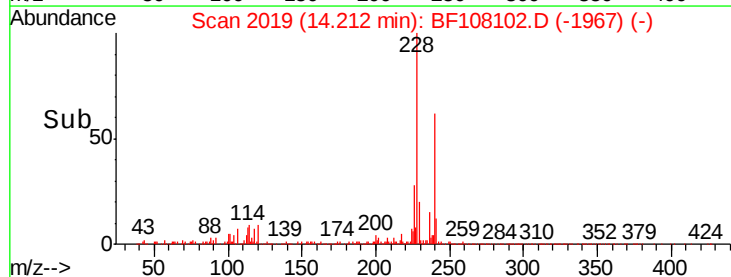
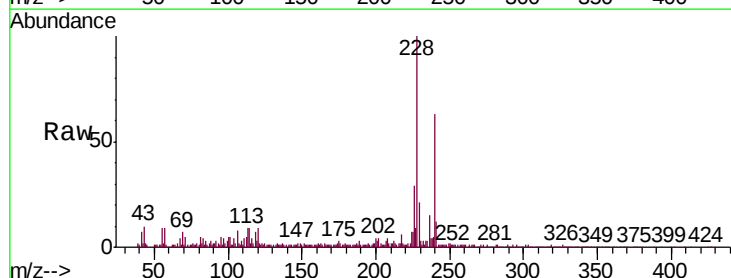
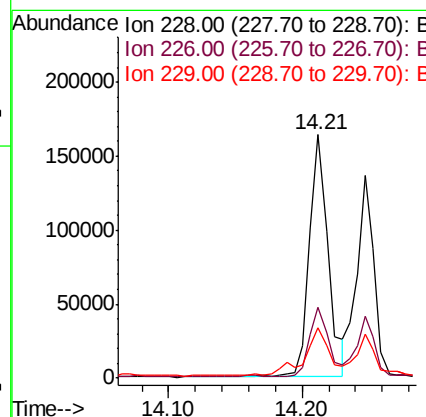
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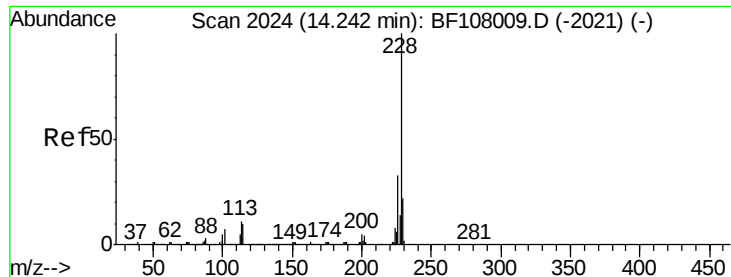
Sohil
 8/13/2018 3:52:34 PM



#80
 Benzo(a)anthracene
 Concen: 5.478 ng
 RT: 14.21 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.8	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 4.685 ng

RT: 14.25 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

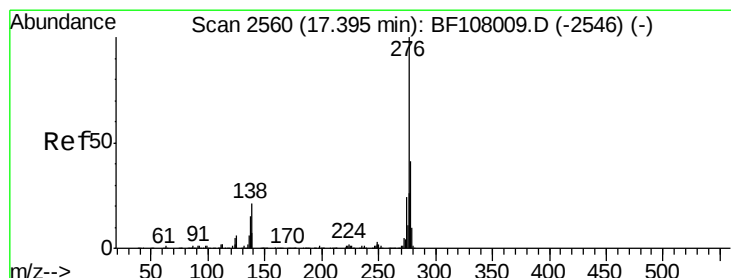
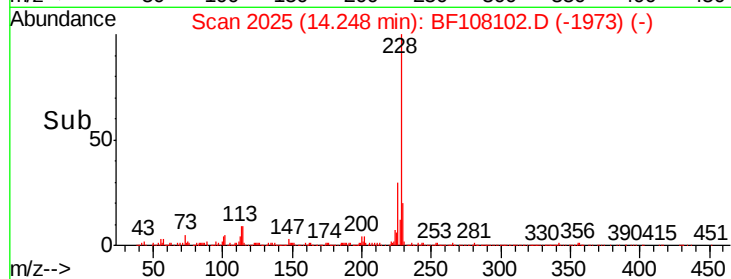
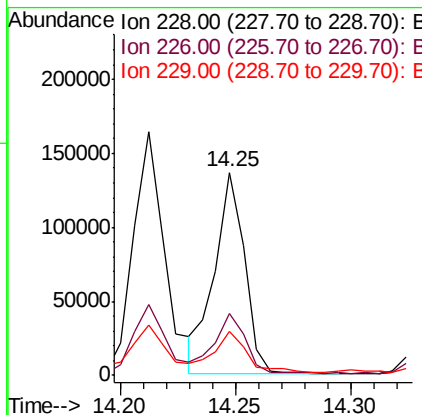
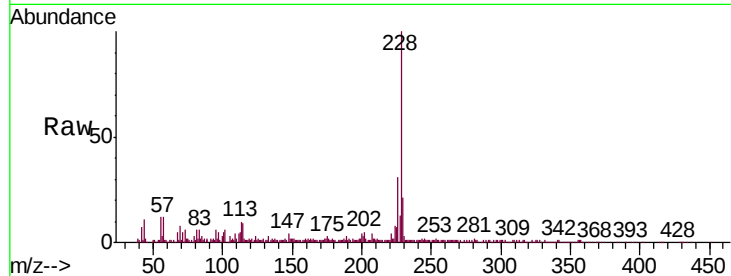
ClientSampleId :

SU-02-080918-B

Tgt Ion:	228	Resp:	124024
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	21.5	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.445 ng

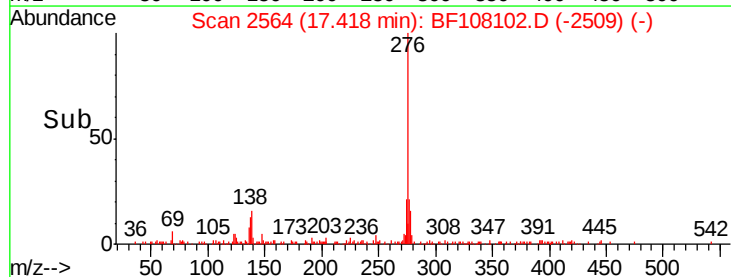
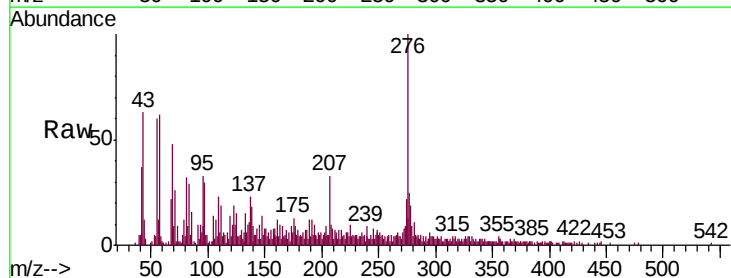
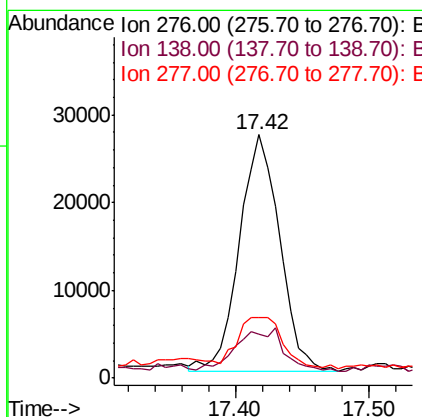
RT: 17.42 min Scan# 2564

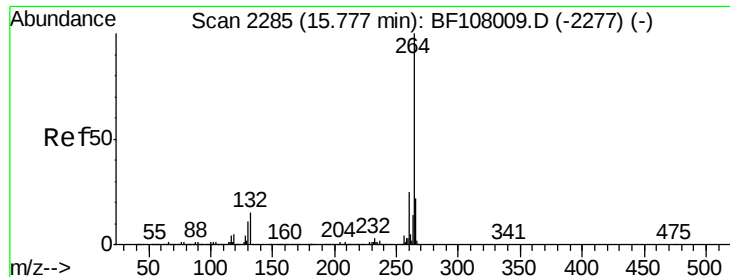
Delta R.T. 0.02 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Tgt Ion:	276	Resp:	56075
Ion Ratio	Lower	Upper	
276	100		
138	21.9	25.0	37.6#
277	23.2	20.1	30.1





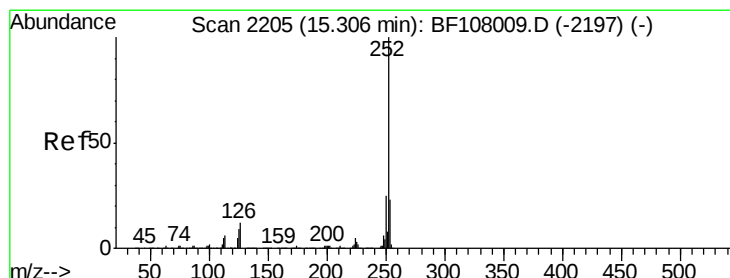
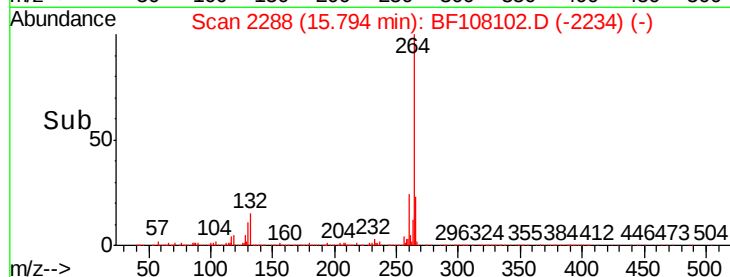
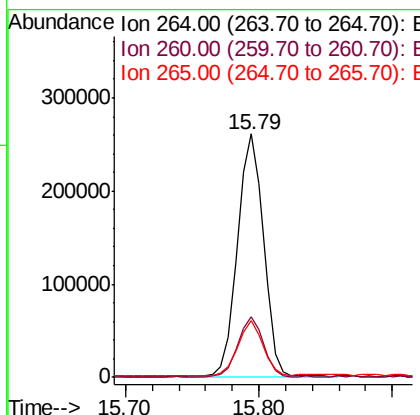
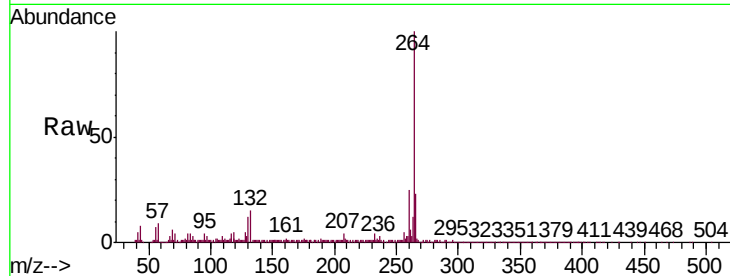
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.2	17.5	26.3

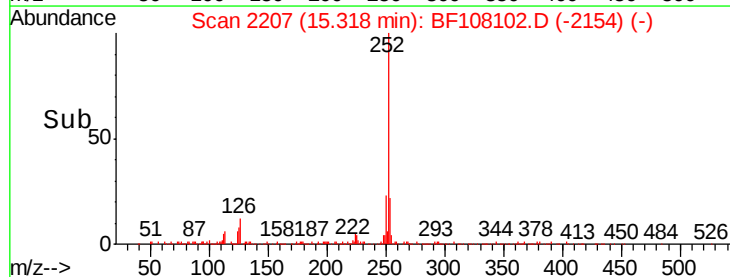
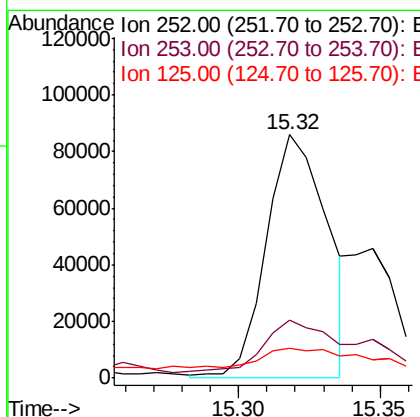
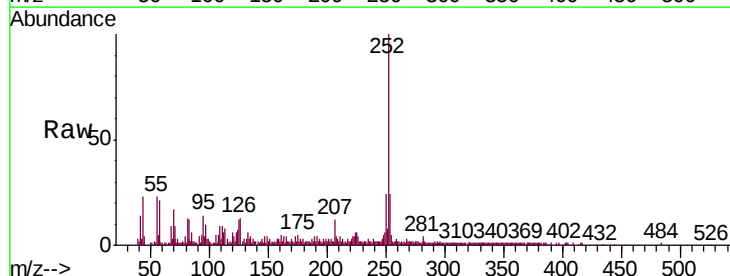
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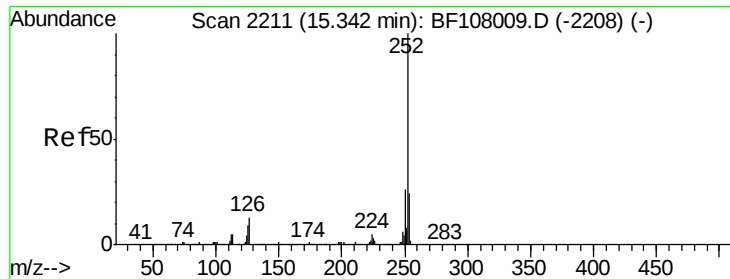
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#87
Benzo(b)fluoranthene
Concen: 6.167 ng m
RT: 15.32 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	12.3	9.0	13.6





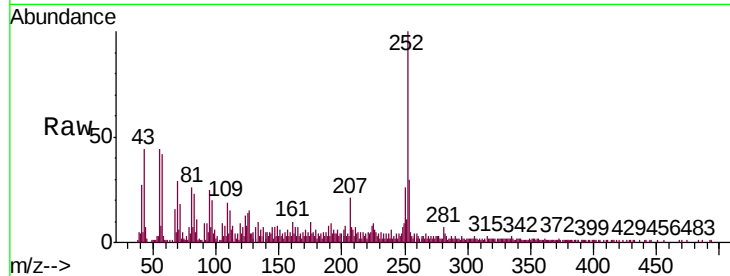
#88
Benzo(k)fluoranthene
Concen: 2.748 ng m
RT: 15.35 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.9	26.9#
125	14.3	10.2	15.2

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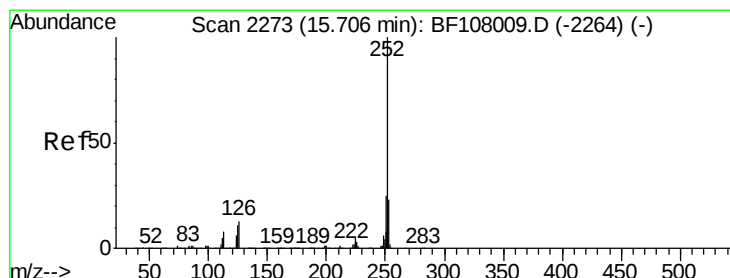
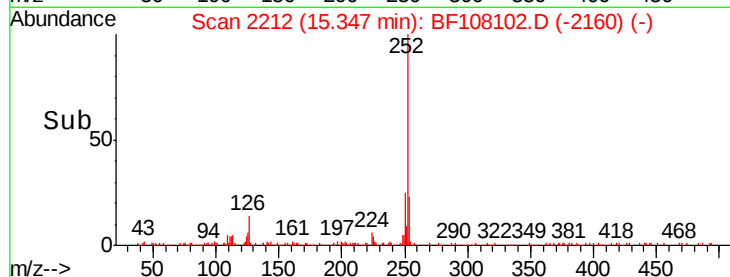
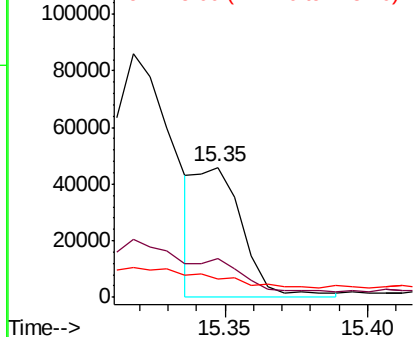


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 5.074 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

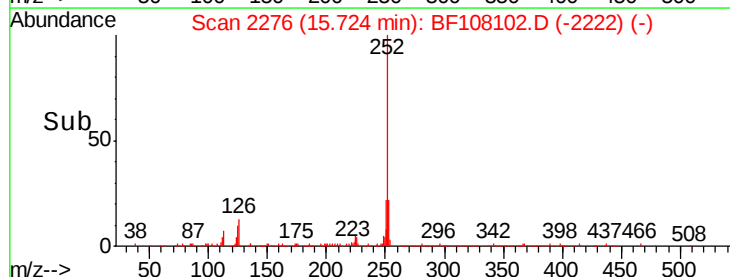
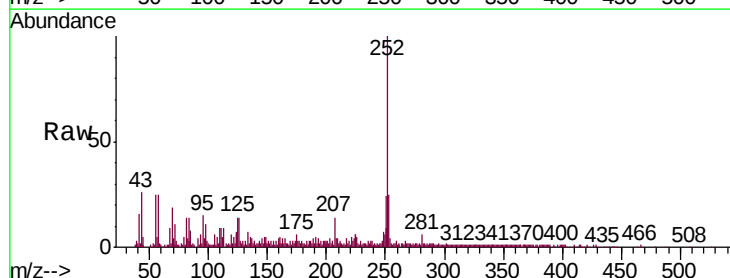
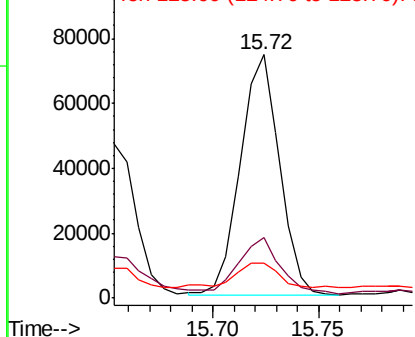
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	14.3	9.8	14.6

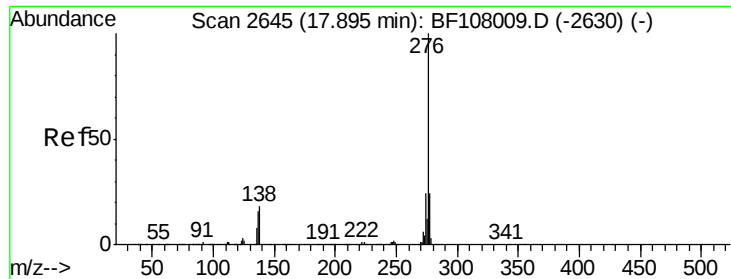
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 3.664 ng
 RT: 17.91 min Scan# 2648
 Delta R.T. 0.02 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	24.8	21.8	32.8

Manual Integrations
 APPROVED

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