

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108100.D
 Acq On : 10 Aug 2018 22:41
 Operator : JU/SJ
 Sample : J4272-17 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-I

Manual Integrations
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Quant Time: Aug 11 02:20:33 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 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	204742	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	720938	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	299785	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	515421	20.00	ng	0.00
75) Chrysene-d12	14.22	240	406190	20.00	ng	0.00
86) Perylene-d12	15.79	264	273779	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	282274	24.96	ng	0.00
7) Phenol-d6	6.62	99	375367	24.98	ng	0.00
23) Nitrobenzene-d5	7.58	82	215719	16.70	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	57925	19.37	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	378016	20.24	ng	0.00
78) Terphenyl-d14	13.15	244	339244	21.24	ng	0.00
Target Compounds						
70) Phenanthrene	11.59	178	284708	11.711	ng	98
71) Anthracene	11.64	178	105631	4.239	ng	98
72) Carbazole	11.79	167	45013	2.033	ng	97
74) Fluoranthene	12.79	202	883399	33.296	ng	96
77) Pyrene	13.02	202	757538	29.458	ng	100
80) Benzo(a)anthracene	14.21	228	407978	17.501	ng	98
82) Chrysene	14.25	228	309411	14.478	ng	97
85) Indeno(1,2,3-cd)pyrene	17.42	276	116355	6.284	ng	# 88
87) Benzo(b)fluoranthene	15.32	252	324916m	19.861	ng	
88) Benzo(k)fluoranthene	15.35	252	98004m	6.517	ng	
89) Benzo(a)pyrene	15.72	252	205726	14.043	ng	96
90) Dibenzo(a,h)anthracene	17.43	278	30509	2.517	ng	# 76
91) Benzo(g,h,i)perylene	17.92	276	104902	8.789	ng	# 89

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

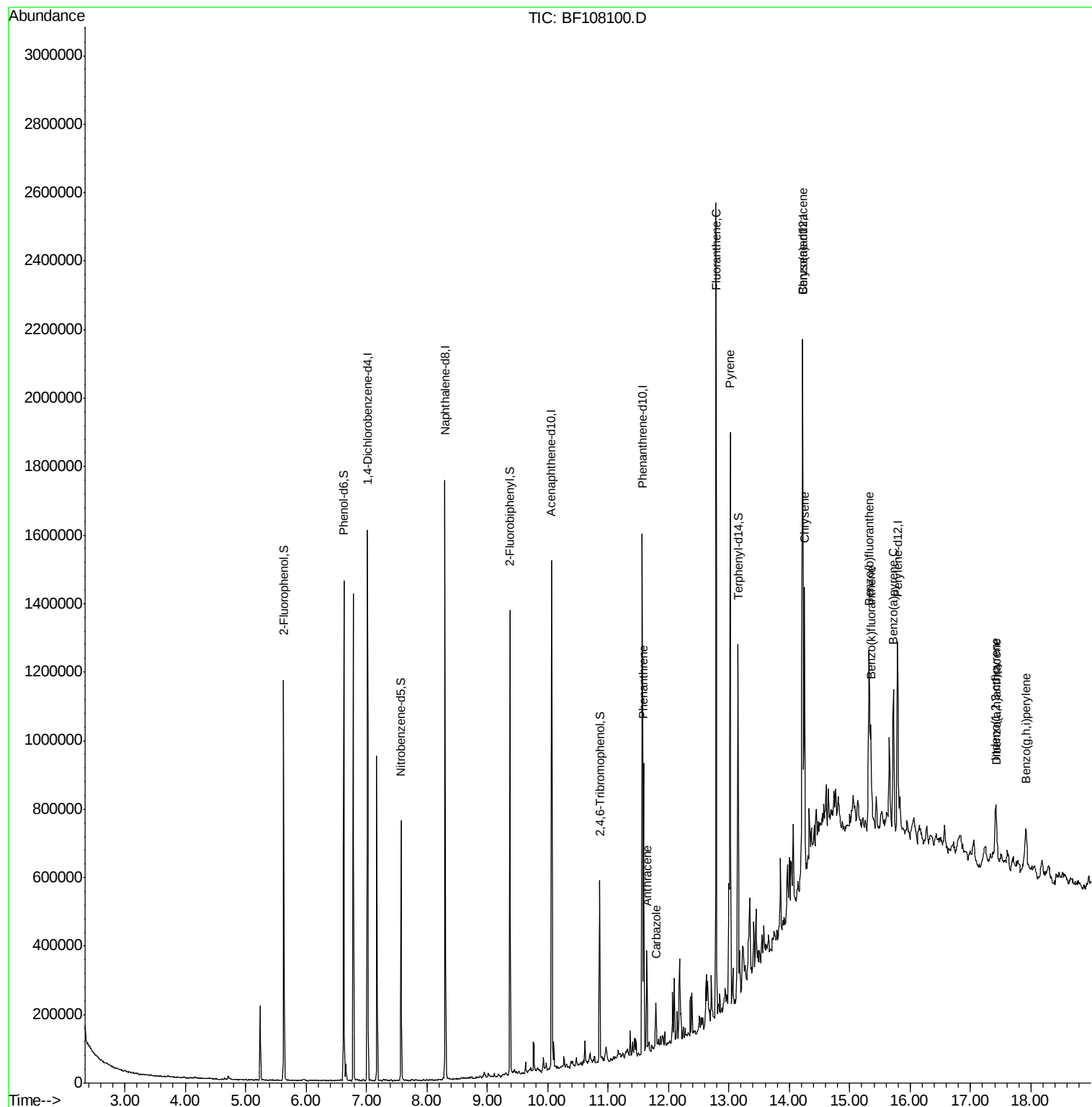
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
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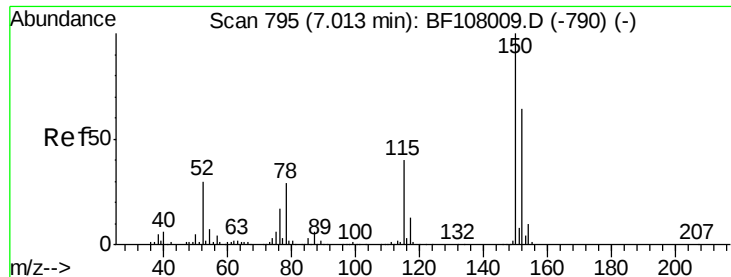
Instrument :
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#1

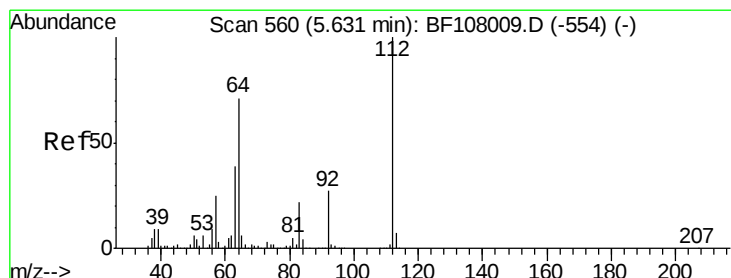
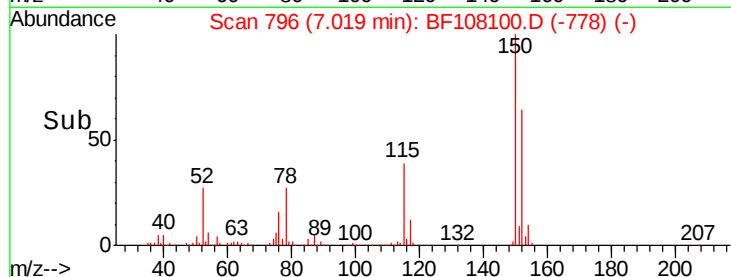
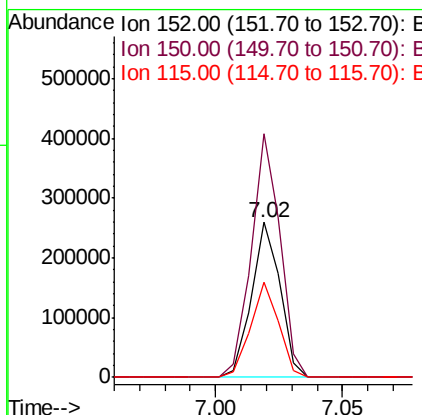
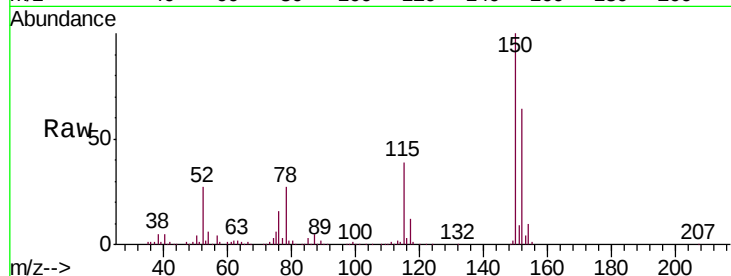
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108100.D
Acq: 10 Aug 2018 22:41

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-I

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	204742		
150	157.1	124.6	186.8	
115	61.2	50.1	75.1	

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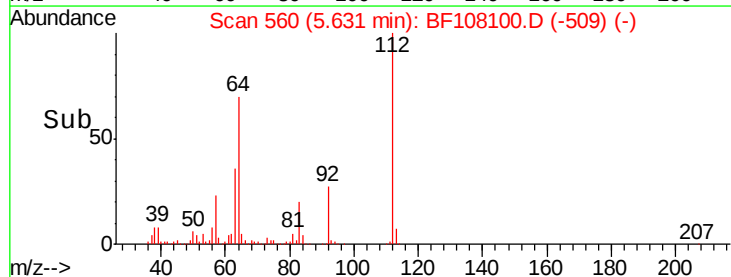
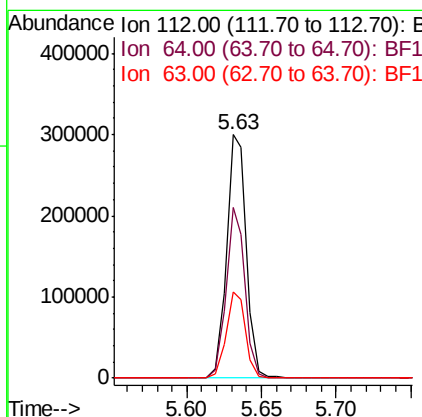
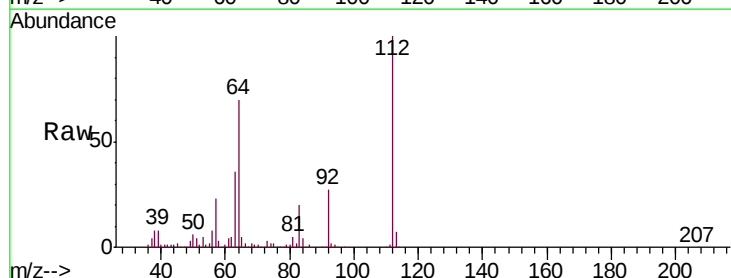
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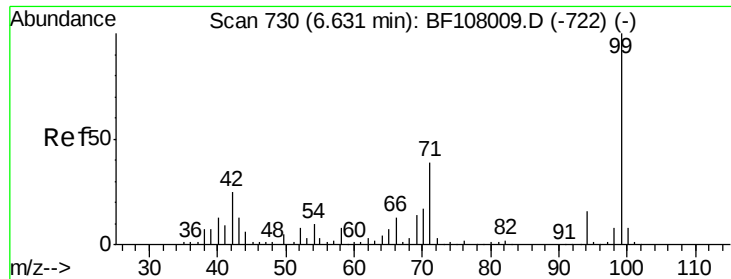


#5

2-Fluorophenol
Concen: 24.960 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108100.D
Acq: 10 Aug 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	282274		
64	70.1	47.9	71.9	
63	35.6	23.7	35.5#	





#7

Phenol-d6

Concen: 24.978 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-I

Tgt Ion: 99 Resp: 375367
Ion Ratio Lower Upper

99 100

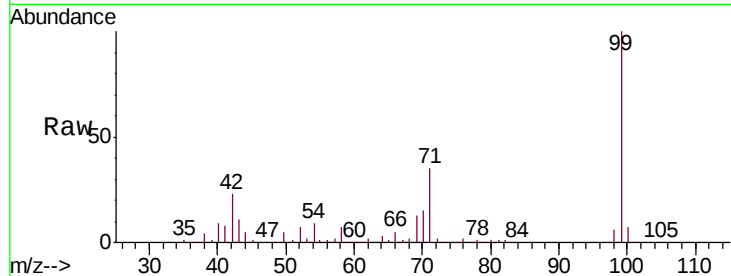
42 22.7 14.5 21.7#

71 34.7 25.4 38.0

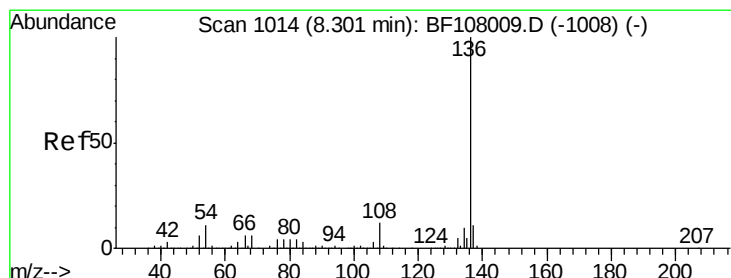
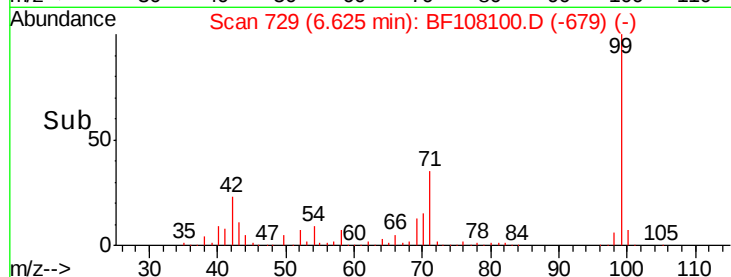
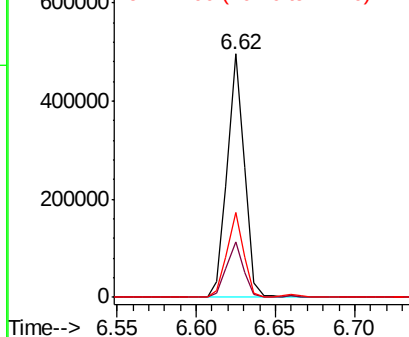
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

Tgt Ion: 136 Resp: 720938
Ion Ratio Lower Upper

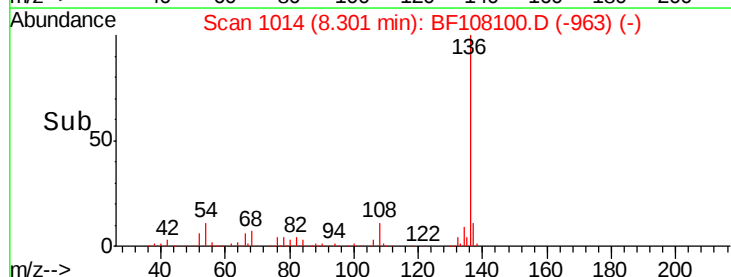
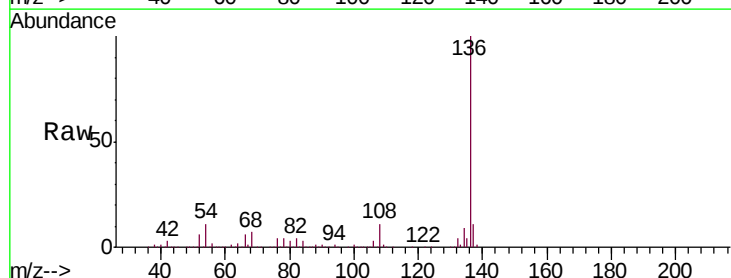
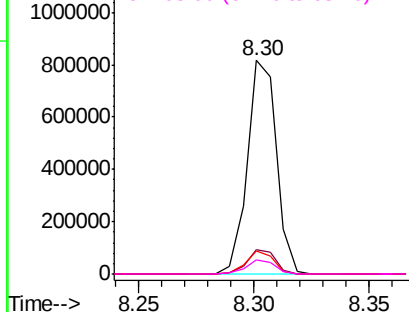
136 100

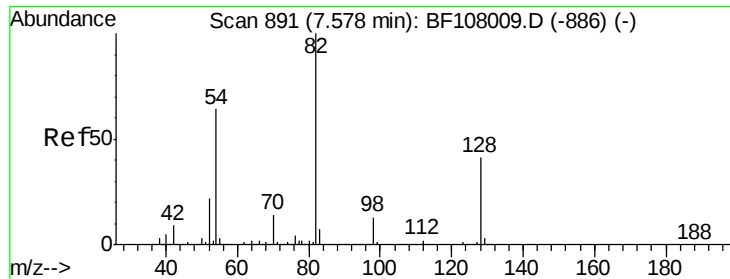
137 11.4 8.9 13.3

54 11.0 6.6 9.8#

68 6.7 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





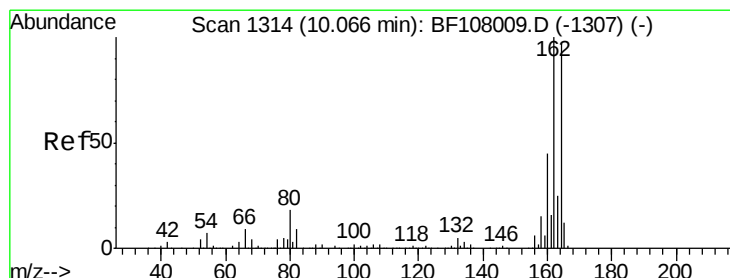
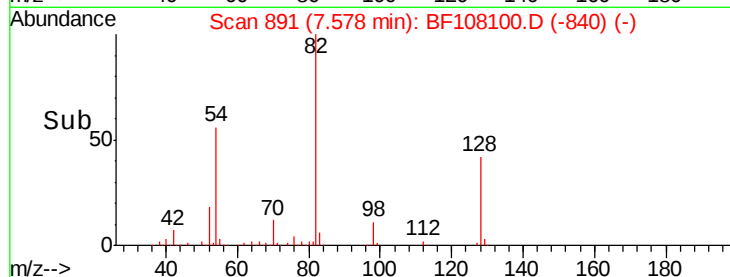
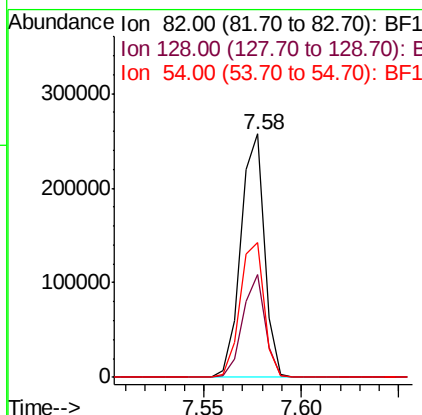
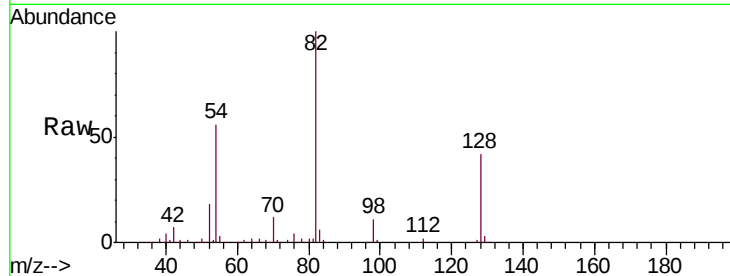
#23
 Nitrobenzene-d5
 Concen: 16.697 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108100.D
 Acq: 10 Aug 2018 22:41

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-I

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	215719		
128	42.2	36.1	54.1	
54	55.6	41.4	62.2	

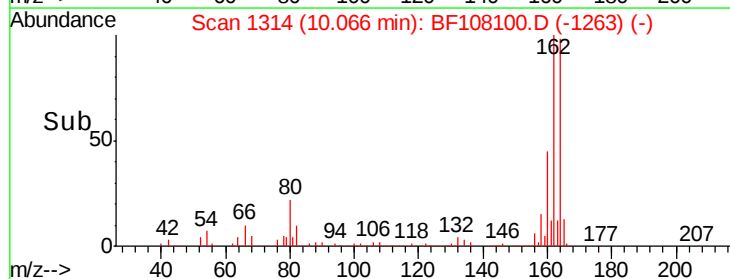
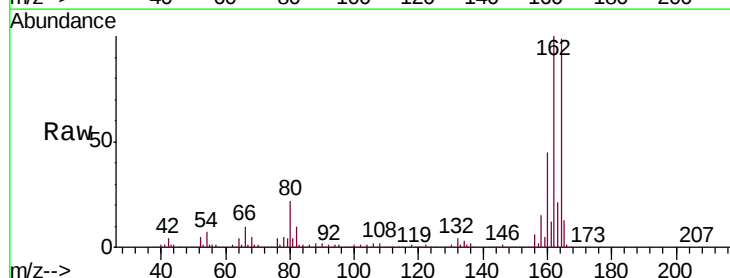
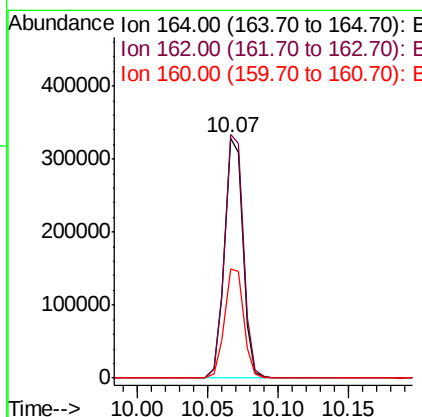
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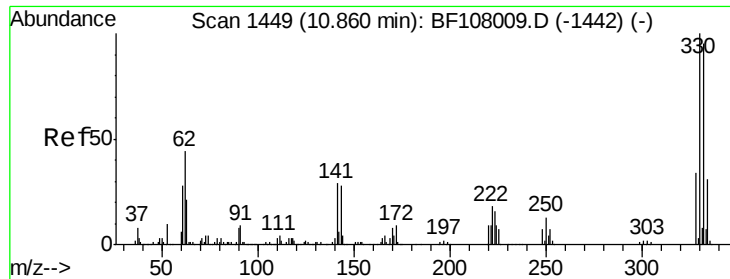
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108100.D
 Acq: 10 Aug 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	299785		
162	101.5	86.1	129.1	
160	45.5	38.3	57.5	





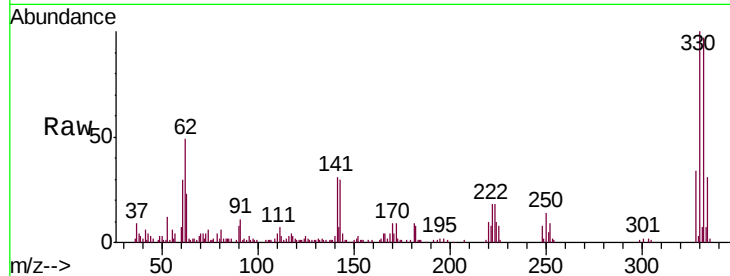
#41
 2,4,6-Tribromophenol
 Concen: 19.371 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108100.D
 Acq: 10 Aug 2018 22:41

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-I

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	57925		
332	97.5	77.0	115.6	
141	34.5	29.9	44.9	

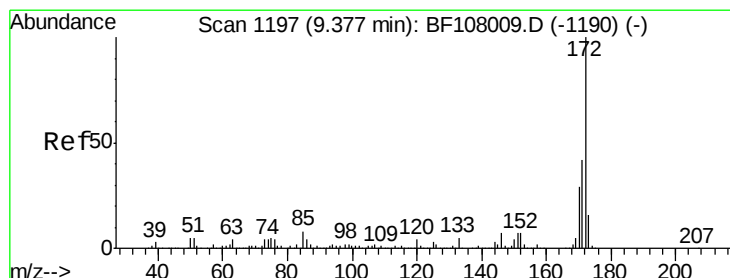
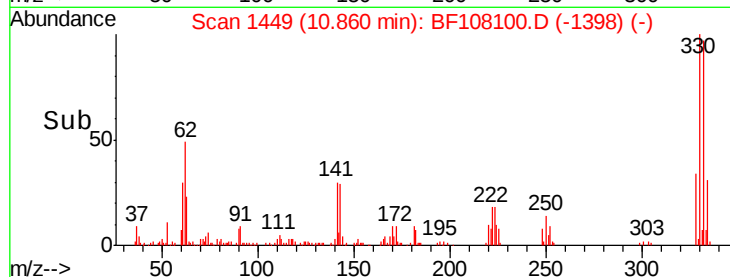
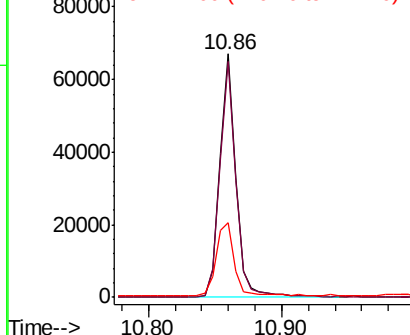
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Abundance

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

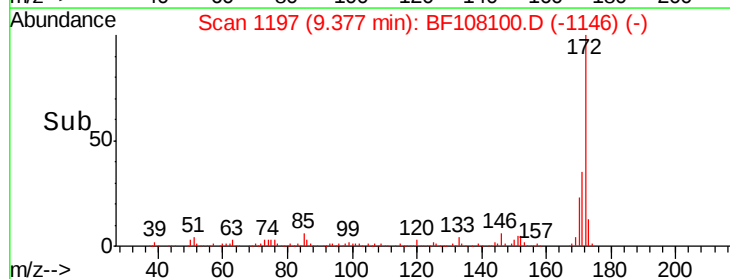
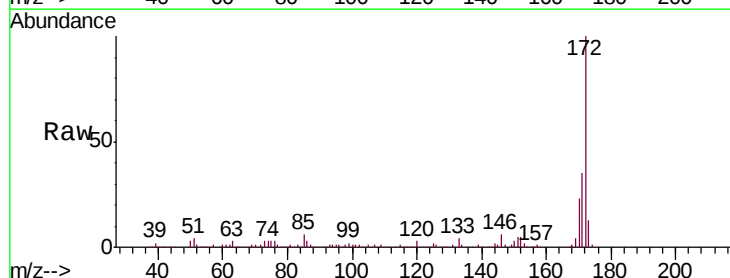
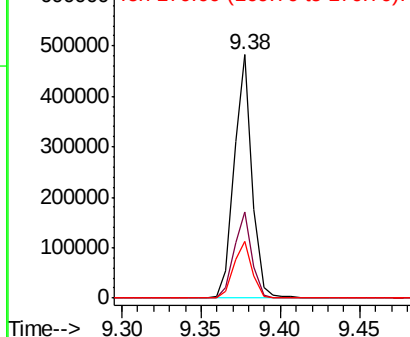


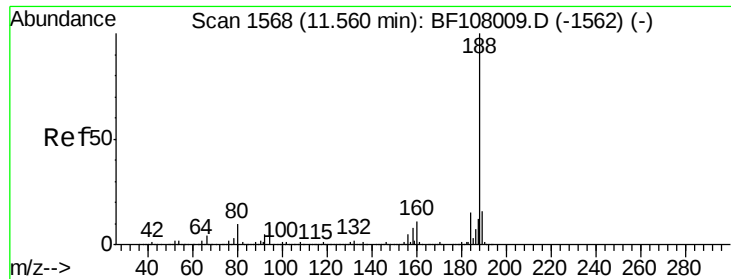
#44
 2-Fluorobiphenyl
 Concen: 20.244 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108100.D
 Acq: 10 Aug 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	378016		
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





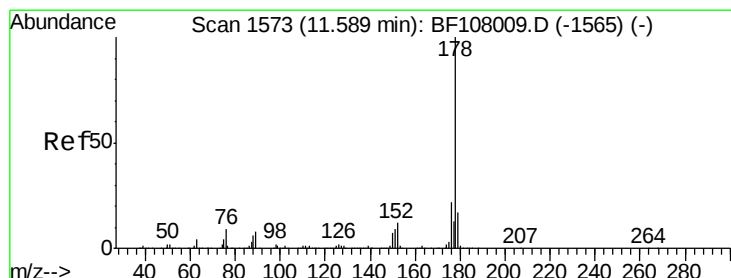
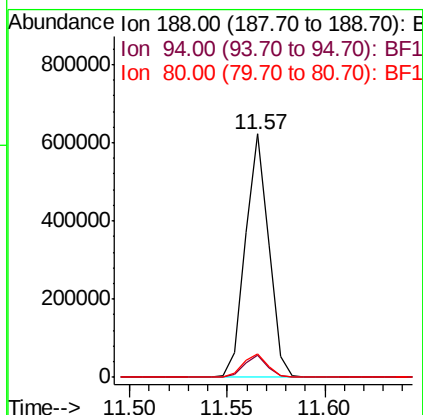
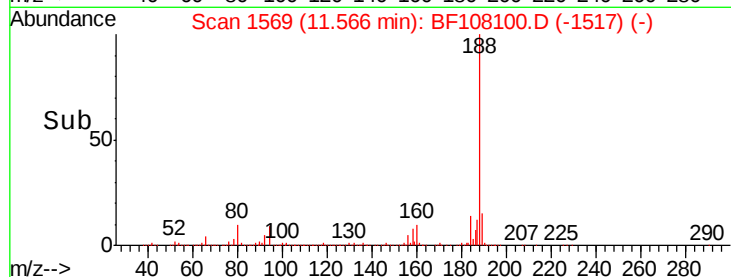
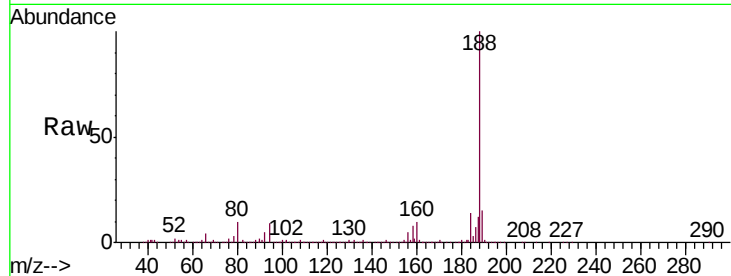
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF108100.D
Acq: 10 Aug 2018 22:41

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-I

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	8.5	12.7
80	9.7	9.2	13.8

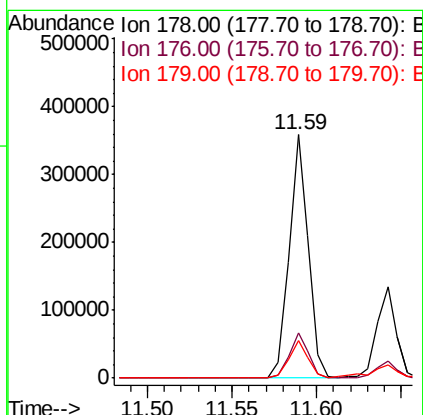
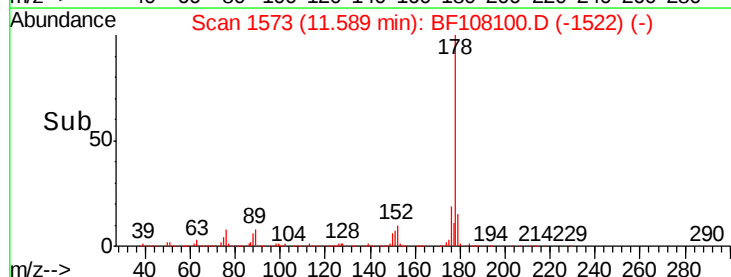
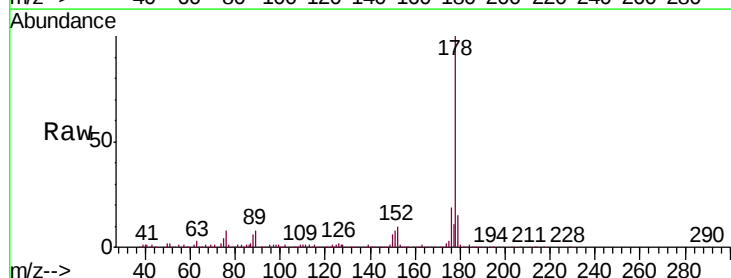
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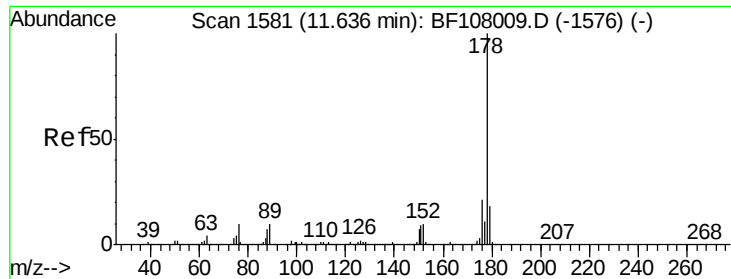
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#70
Phenanthrene
Concen: 11.711 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF108100.D
Acq: 10 Aug 2018 22:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	15.8	23.8
179	15.2	13.0	19.6





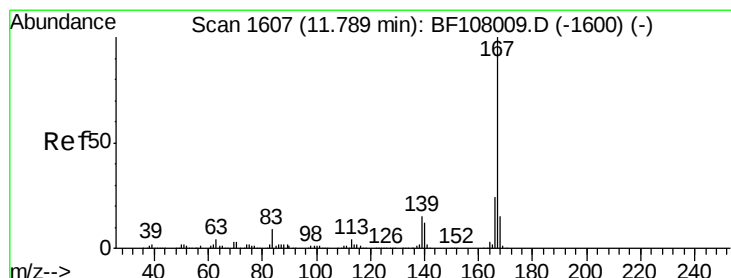
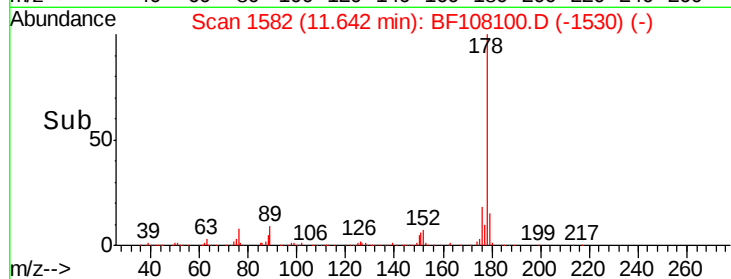
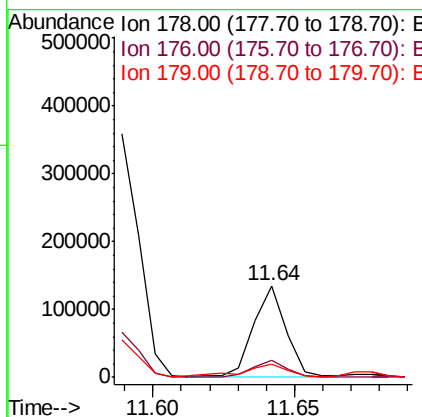
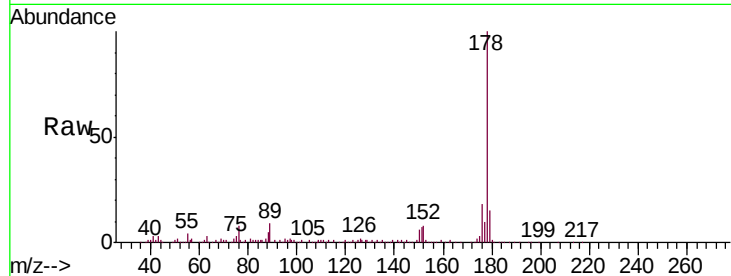
#71
 Anthracene
 Concen: 4.239 ng
 RT: 11.64 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: BF108100.D
 Acq: 10 Aug 2018 22:41

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-I

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.1	12.6	19.0

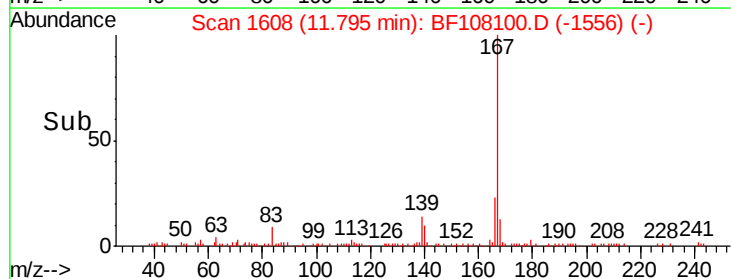
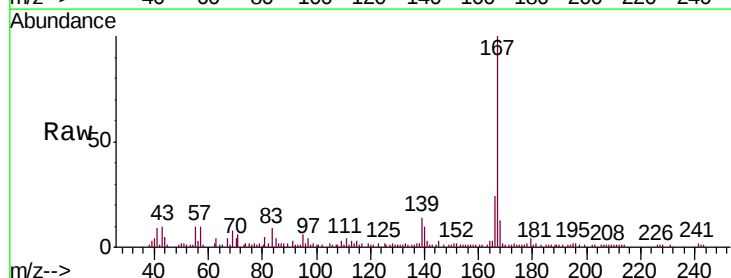
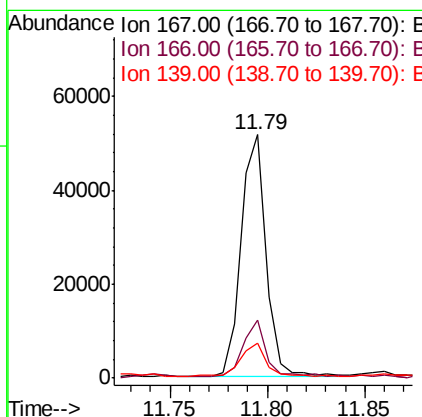
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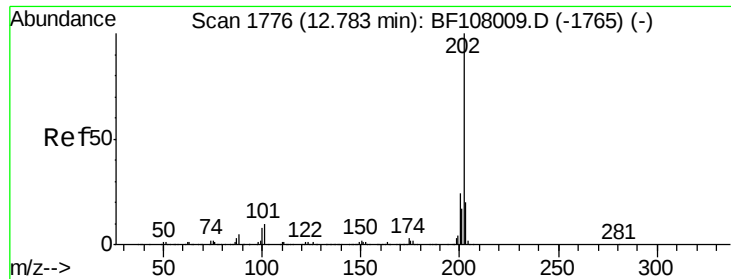
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#72
 Carbazole
 Concen: 2.033 ng
 RT: 11.79 min Scan# 1608
 Delta R.T. 0.01 min
 Lab File: BF108100.D
 Acq: 10 Aug 2018 22:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	17.6	26.4
139	14.2	10.9	16.3





#74

Fluoranthene

Concen: 33.296 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

Instrument :

BNA_F

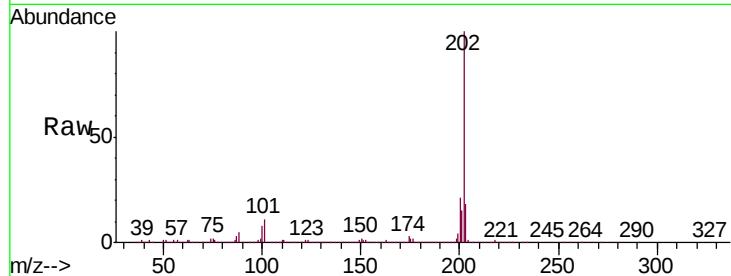
ClientSampleId :

JC-03-080918-I

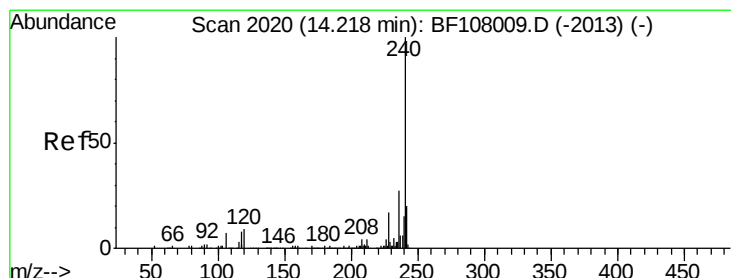
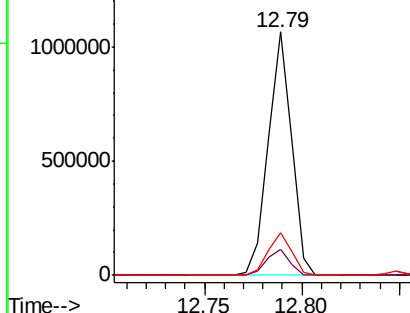
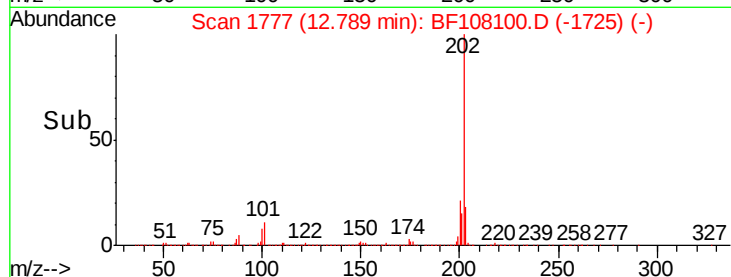
Tgt Ion:	202	Resp:	883399
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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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

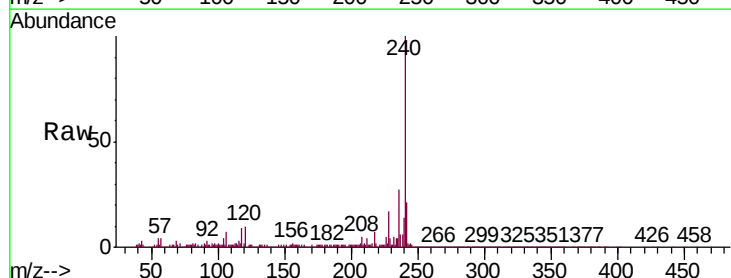
RT: 14.22 min Scan# 2021

Delta R.T. 0.01 min

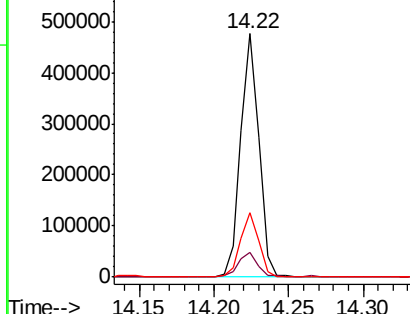
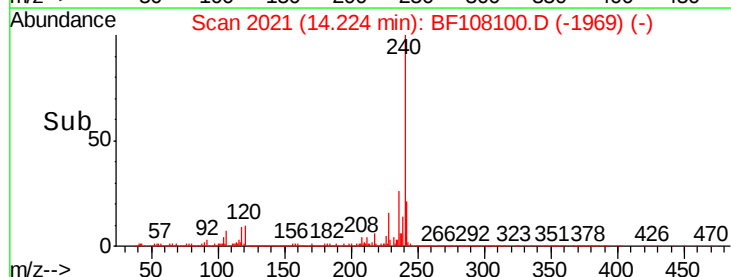
Lab File: BF108100.D

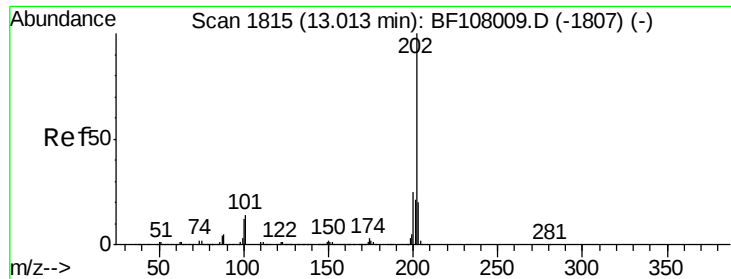
Acq: 10 Aug 2018 22:41

Tgt Ion:	240	Resp:	406190
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	26.6	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

Pyrene

Concen: 29.458 ng

RT: 13.02 min Scan# 1817

Delta R.T. 0.01 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

Instrument :

BNA_F

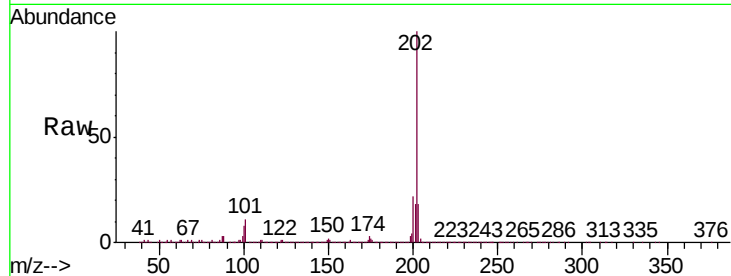
ClientSampleId :

JC-03-080918-I

Tgt Ion:	202	Resp:	757538
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.6	14.3	21.5

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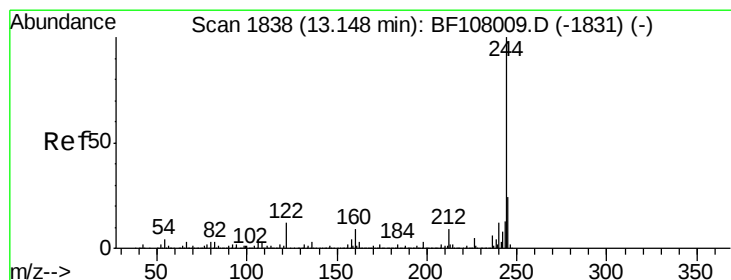
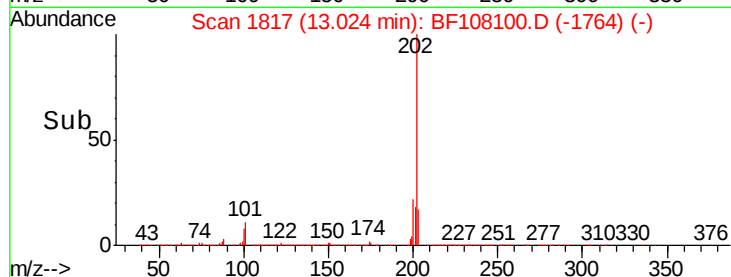
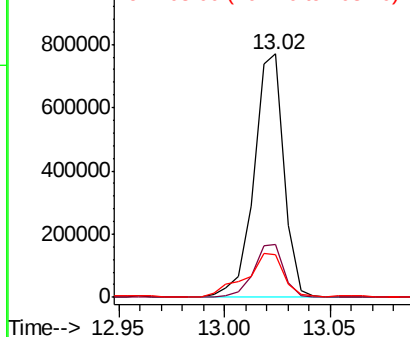


Abundance

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



#78

Terphenyl-d14

Concen: 21.235 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

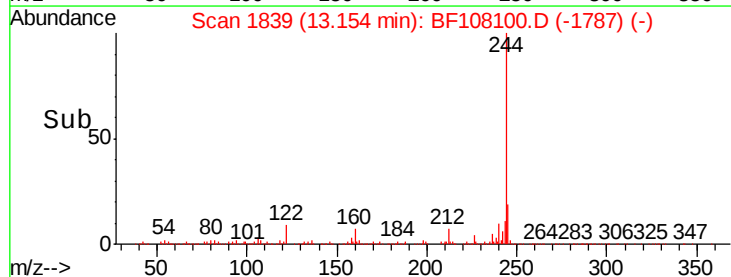
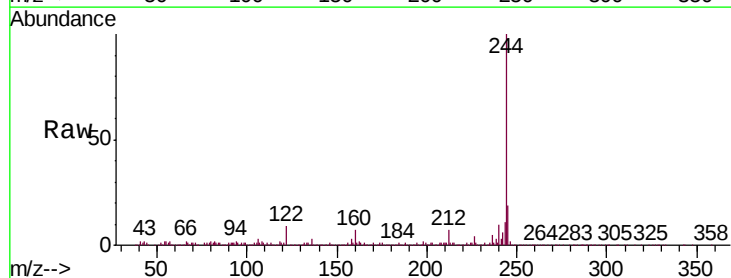
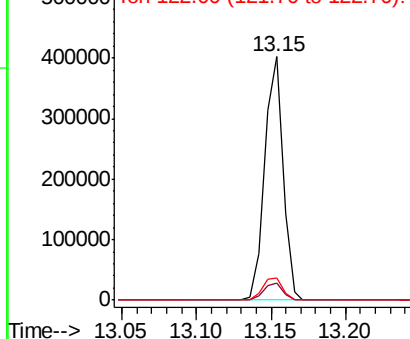
Tgt Ion:	244	Resp:	339244
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	9.1	11.0	16.4#

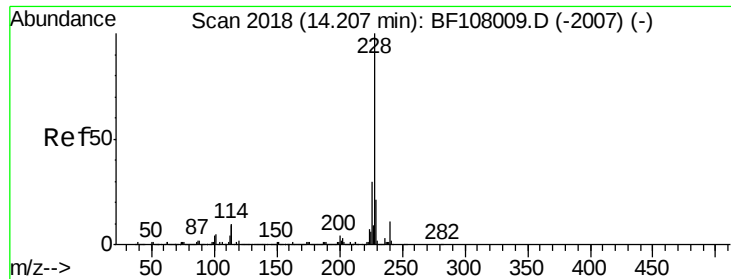
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





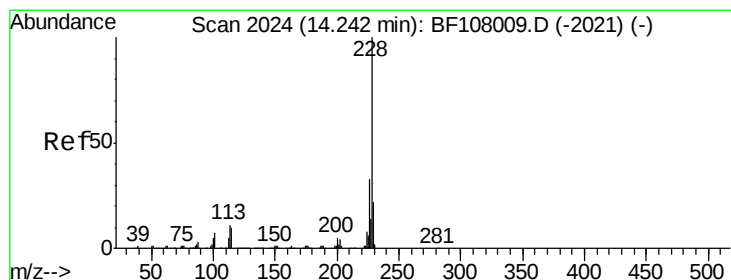
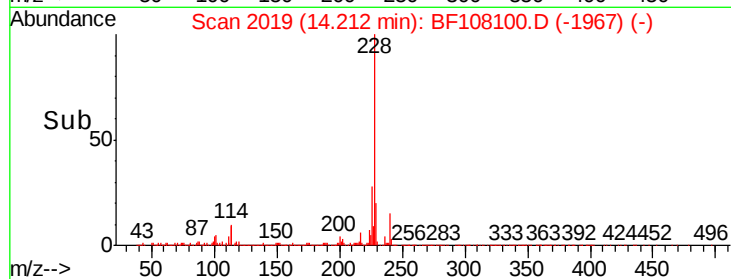
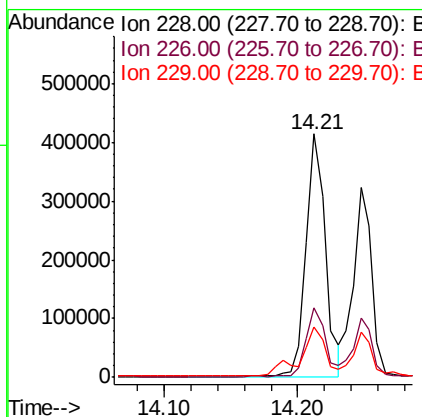
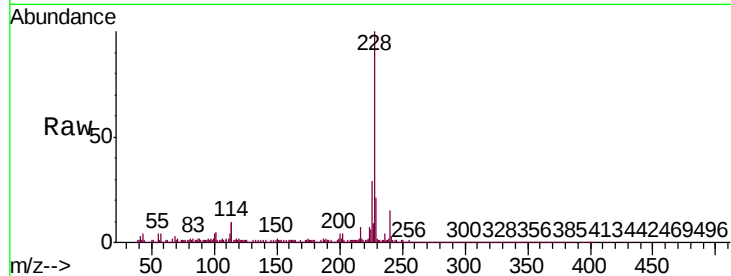
#80
Benzo(a)anthracene
Concen: 17.501 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108100.D
Acq: 10 Aug 2018 22:41

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-I

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.8	15.8	23.6

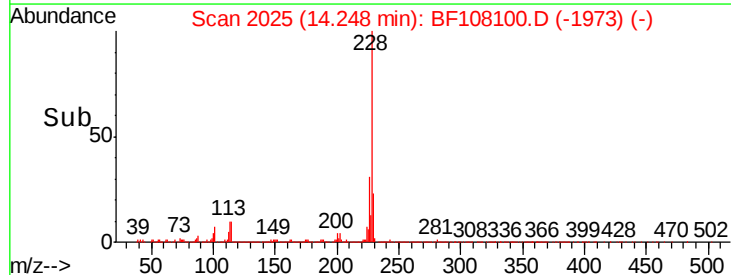
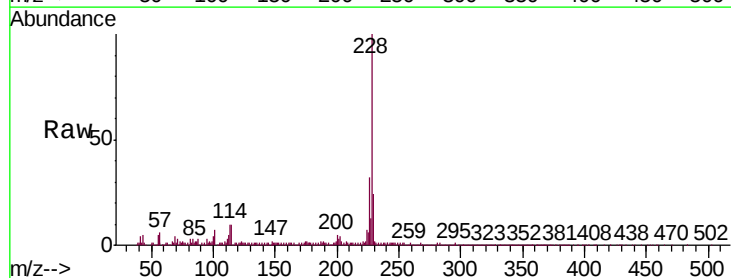
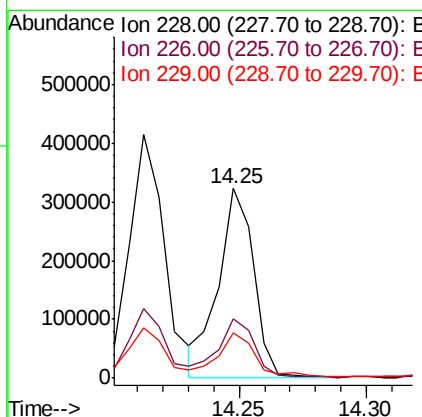
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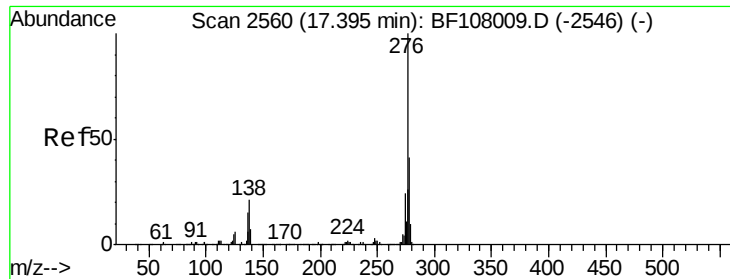
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#82
Chrysene
Concen: 14.478 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108100.D
Acq: 10 Aug 2018 22:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	23.8	16.2	24.4





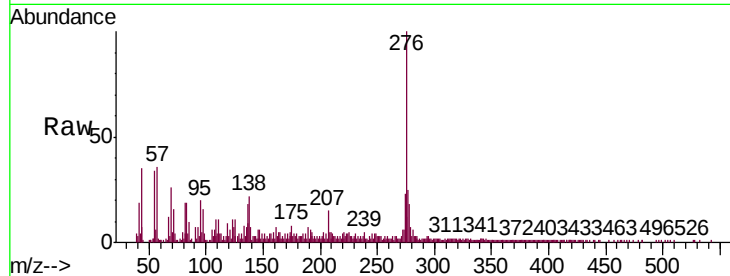
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.284 ng
RT: 17.42 min Scan# 2564
Delta R.T. 0.02 min
Lab File: BF108100.D
Acq: 10 Aug 2018 22:41

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-I

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	116355		
138	19.6	25.0	37.6#	
277	25.2	20.1	30.1	

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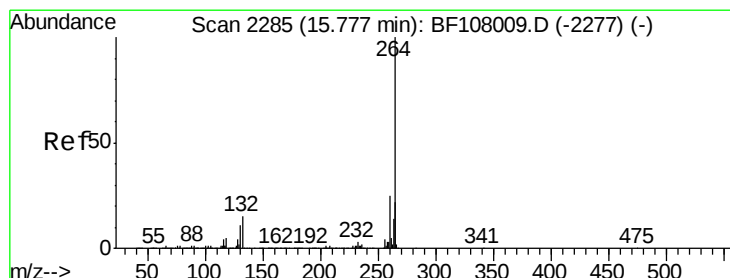
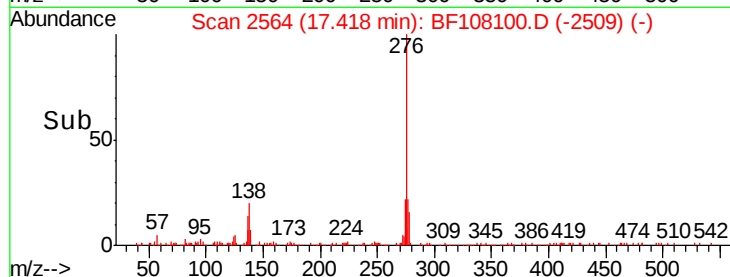
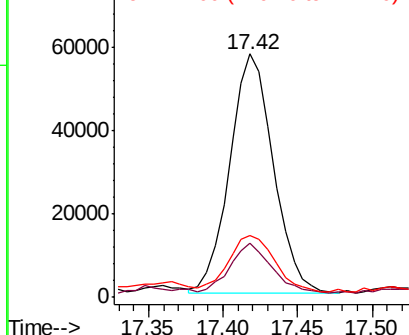


Abundance

Ion 276.00 (275.70 to 276.70): E

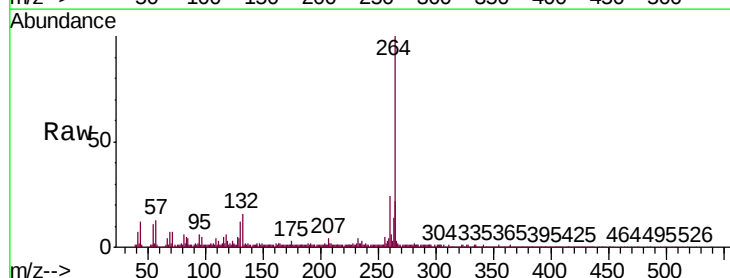
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF108100.D
Acq: 10 Aug 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	273779		
260	24.5	19.2	28.8	
265	21.6	17.5	26.3	

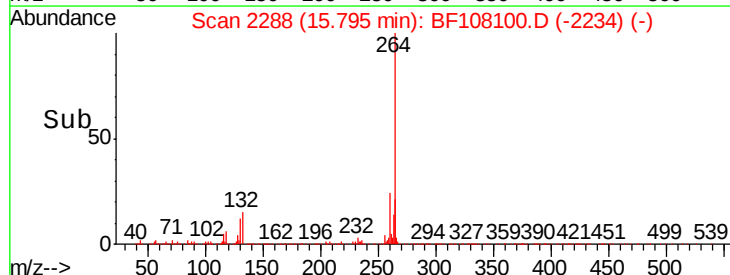
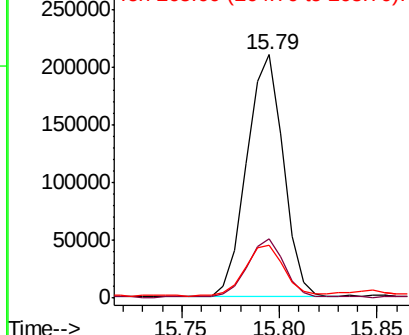


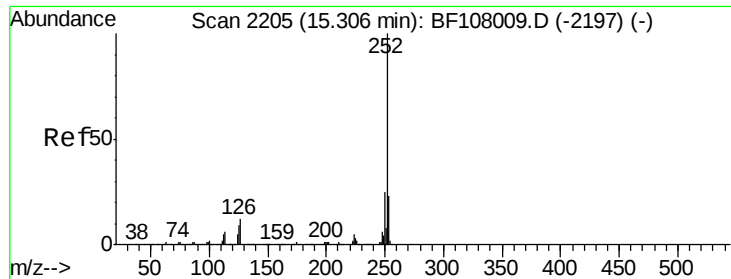
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 19.861 ng m

RT: 15.32 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

Instrument :

BNA_F

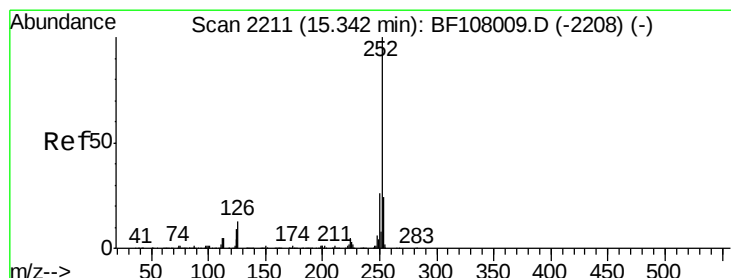
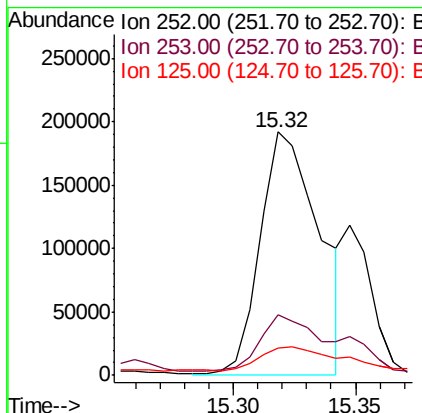
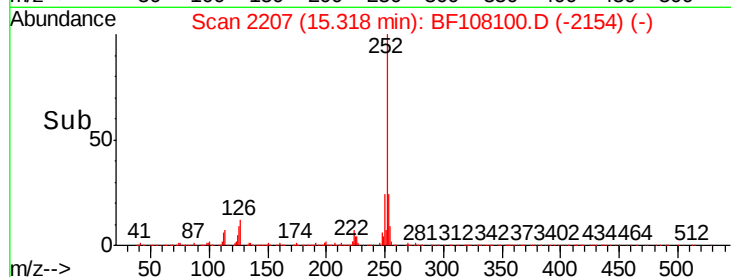
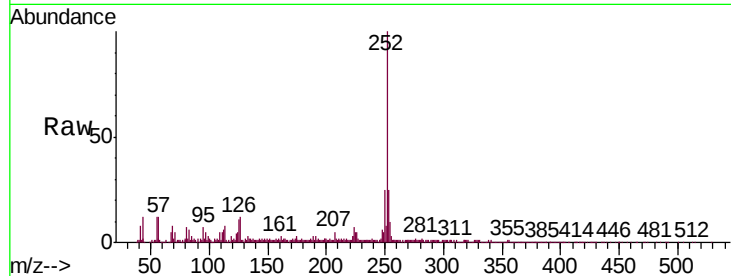
ClientSampleId :

JC-03-080918-I

Tgt Ion:	252	Resp:	324916
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.0	25.6
125	11.3	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 6.517 ng m

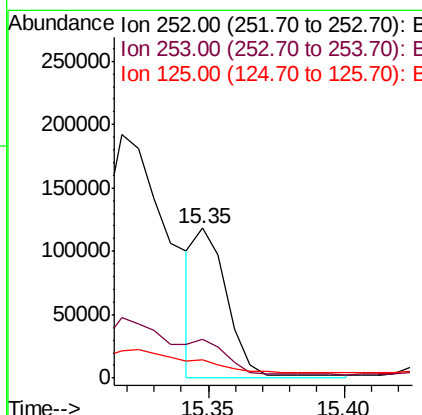
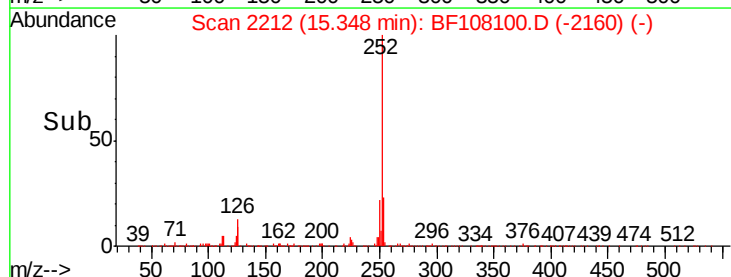
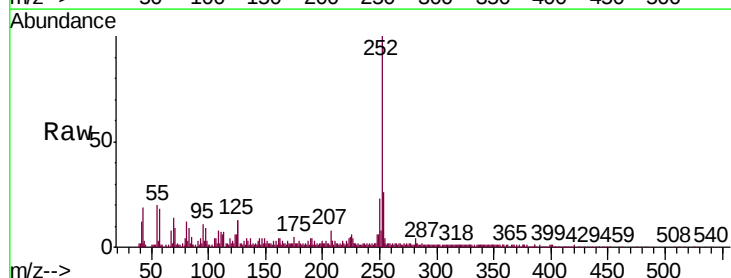
RT: 15.35 min Scan# 2212

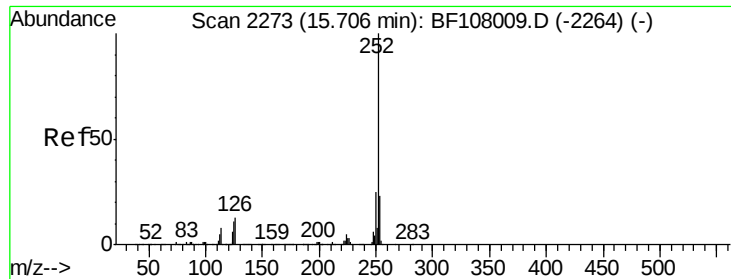
Delta R.T. 0.01 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

Tgt Ion:	252	Resp:	98004
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.9	26.9
125	12.7	10.2	15.2





#89

Benzo(a)pyrene

Concen: 14.043 ng

RT: 15.72 min Scan# 2276

Delta R.T. 0.02 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

Instrument :

BNA_F

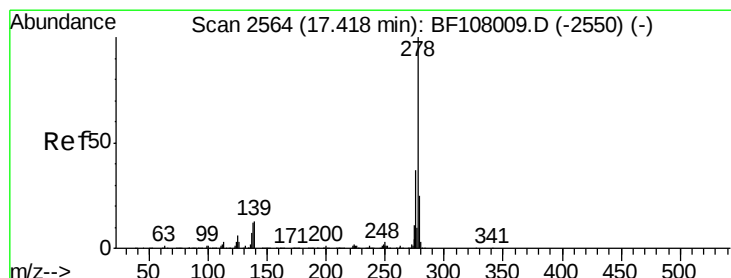
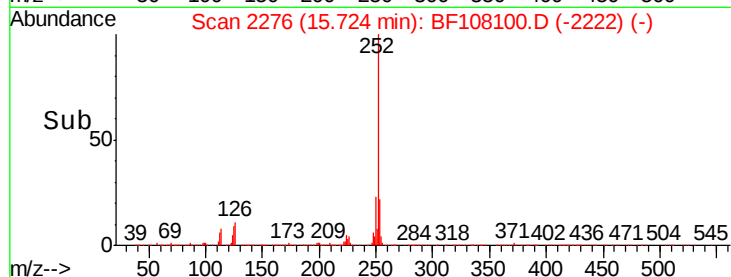
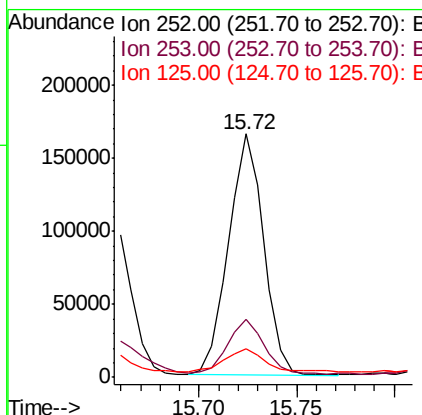
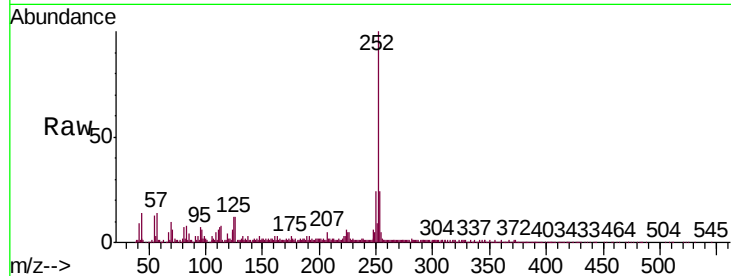
ClientSampleId :

JC-03-080918-I

Tgt Ion:	252	Resp:	205726
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	11.7	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.517 ng

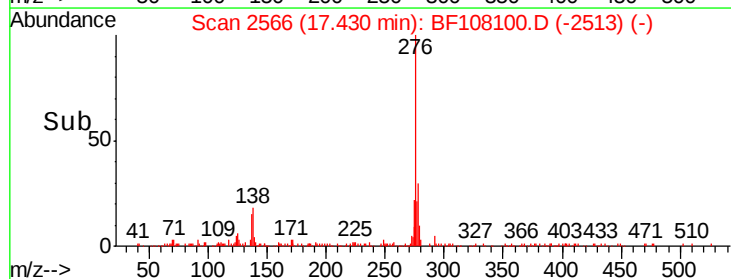
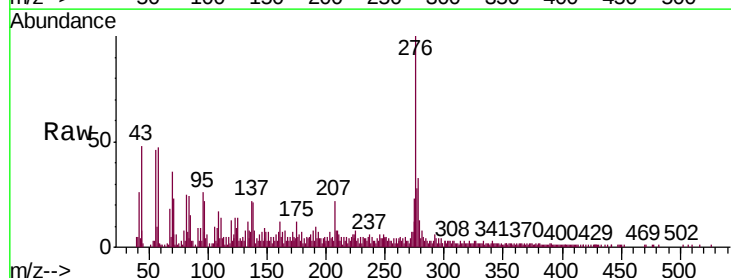
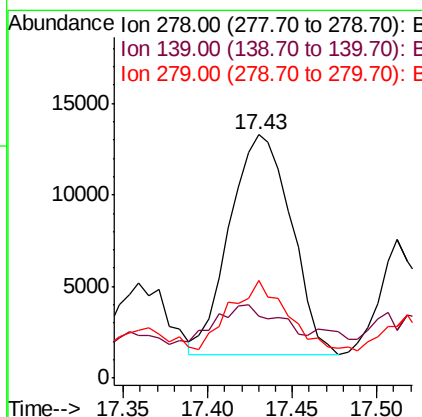
RT: 17.43 min Scan# 2566

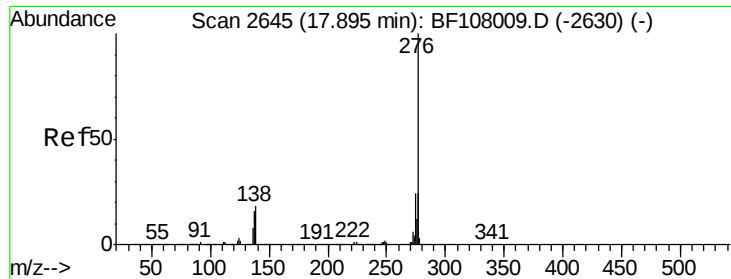
Delta R.T. 0.01 min

Lab File: BF108100.D

Acq: 10 Aug 2018 22:41

Tgt Ion:	278	Resp:	30509
Ion Ratio	Lower	Upper	
278	100		
139	25.4	15.9	23.9#
279	40.1	19.0	28.4#





#91
 Benzo(g,h,i)perylene
 Concen: 8.789 ng
 RT: 17.92 min Scan# 2649
 Delta R.T. 0.02 min
 Lab File: BF108100.D
 Acq: 10 Aug 2018 22:41

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-I

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	25.7	17.9	26.9	
138	19.8	21.8	32.8	

Manual Integrations
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