

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108099.D
 Acq On : 10 Aug 2018 22:14
 Operator : JU/SJ
 Sample : J4272-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 8/13/2018 3:52:29 PM

Quant Time: Aug 11 02:17:54 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	256415	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	913242	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	394473	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	650785	20.00	ng	0.00
75) Chrysene-d12	14.22	240	513871	20.00	ng	0.00
86) Perylene-d12	15.79	264	357200	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	313143	22.11	ng	0.00
7) Phenol-d6	6.62	99	422872	22.47	ng	0.00
23) Nitrobenzene-d5	7.58	82	246693	15.07	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	71496	18.17	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	433705	17.65	ng	0.00
78) Terphenyl-d14	13.15	244	361192	17.87	ng	0.00
Target Compounds						
70) Phenanthrene	11.59	178	216146	7.042	ng	99
74) Fluoranthene	12.79	202	260168	7.766	ng	94
77) Pyrene	13.02	202	325147	9.994	ng	100
80) Benzo(a)anthracene	14.21	228	136167	4.617	ng	96
82) Chrysene	14.25	228	116327	4.302	ng	97
87) Benzo(b)fluoranthene	15.32	252	97597m	4.573	ng	
89) Benzo(a)pyrene	15.72	252	69446	3.633	ng	# 88
91) Benzo(g,h,i)perylene	17.91	276	35556	2.283	ng	# 87

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

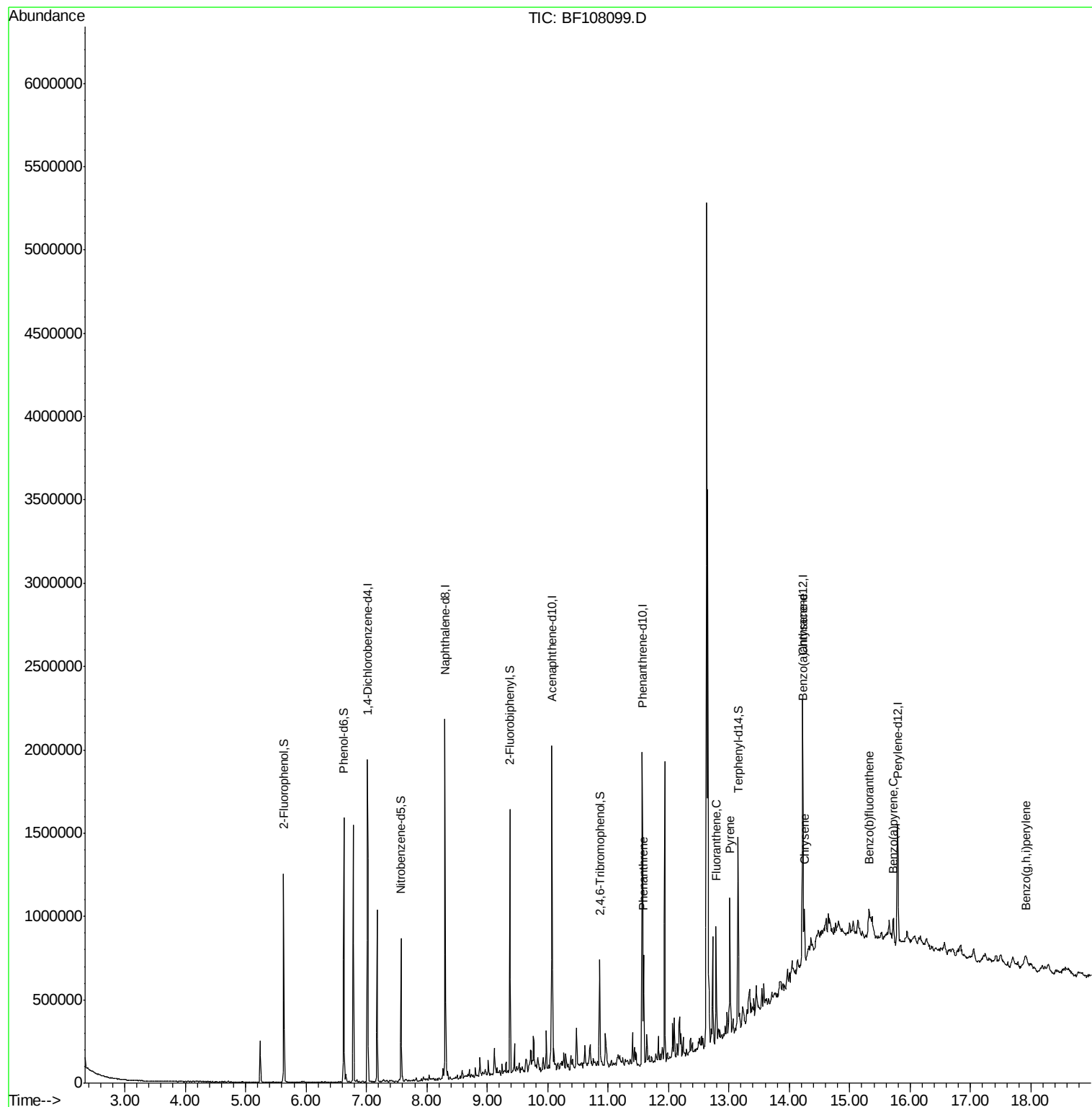
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
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Misc :
ALS Vial : 23 Sample Multiplier: 1

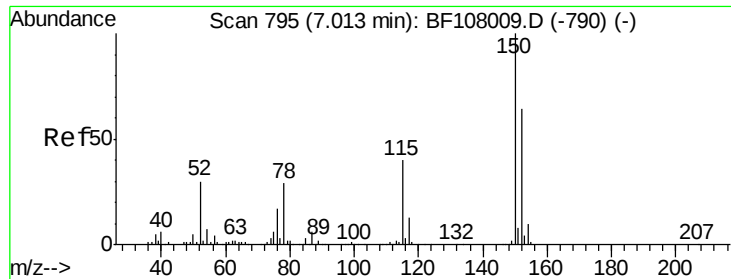
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-D

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#1

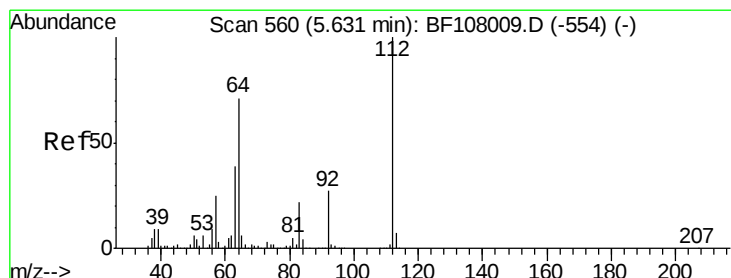
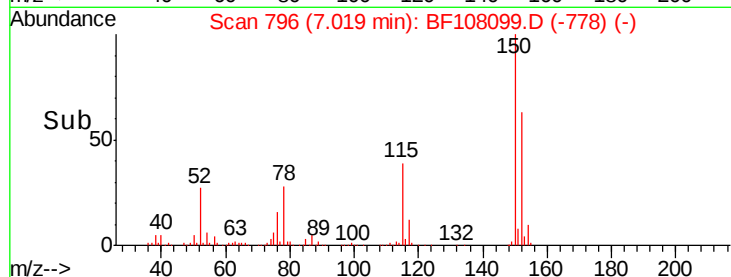
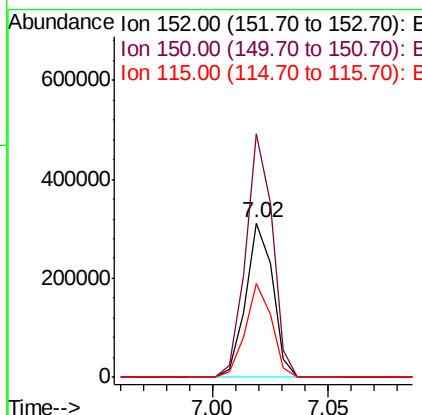
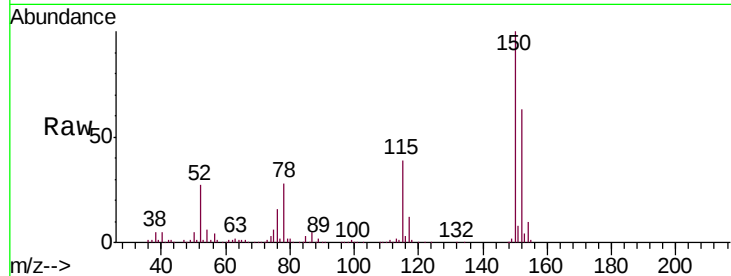
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	256415		
150	158.0	124.6	186.8	
115	61.1	50.1	75.1	

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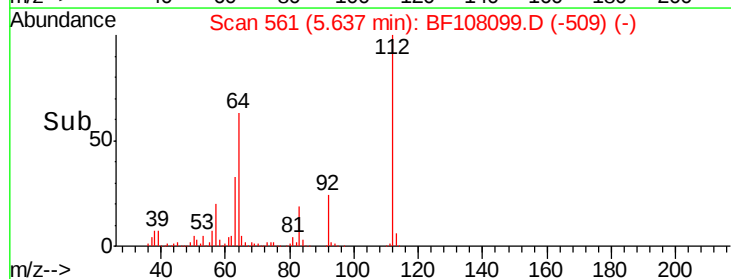
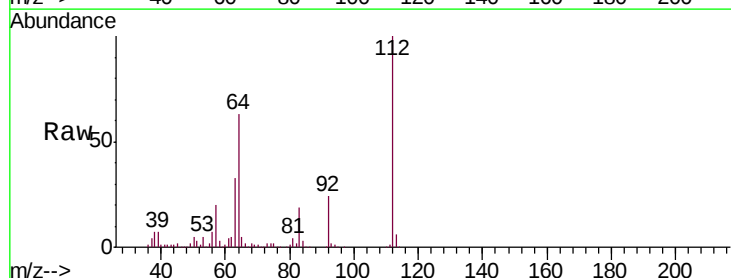
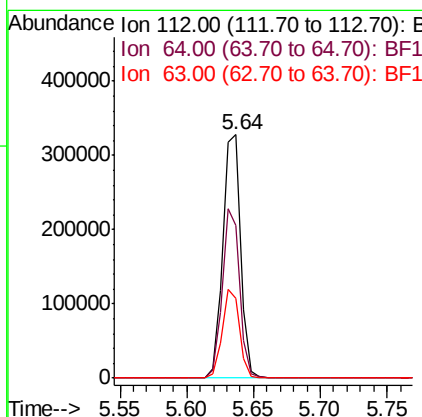
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#5

2-Fluorophenol
Concen: 22.110 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	313143		
64	62.6	47.9	71.9	
63	32.5	23.7	35.5	





#7

Phenol-d6

Concen: 22.468 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

Tgt Ion: 99 Resp: 422872

Ion Ratio Lower Upper

99 100

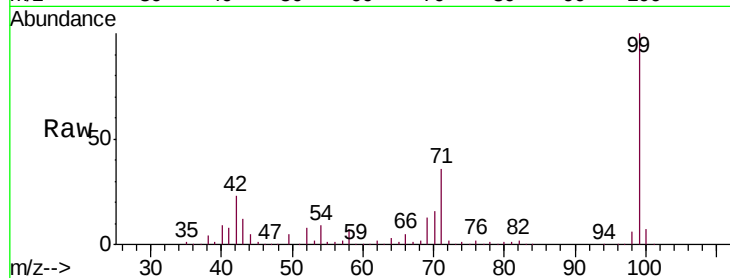
42 23.3 14.5 21.7#

71 35.6 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

600000

400000

200000

0

6.62

6.60

6.62

6.64

6.66

6.68

6.70

6.72

6.74

6.76

6.78

6.80

6.82

6.84

6.86

6.88

6.90

6.92

6.94

6.96

6.98

7.00

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7.06

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9.76

9.78

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9.86

9.88

9.90

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10.00

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11.00

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11.50

11.52

11.54

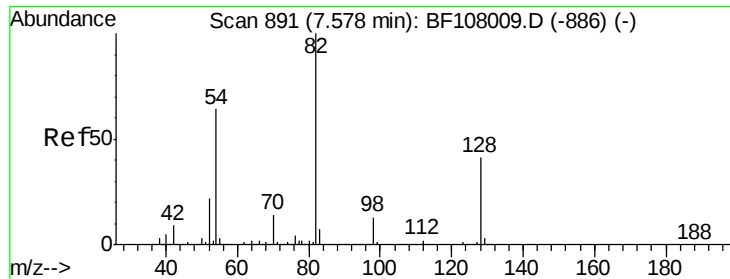
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11.58

11.60

11.62

11



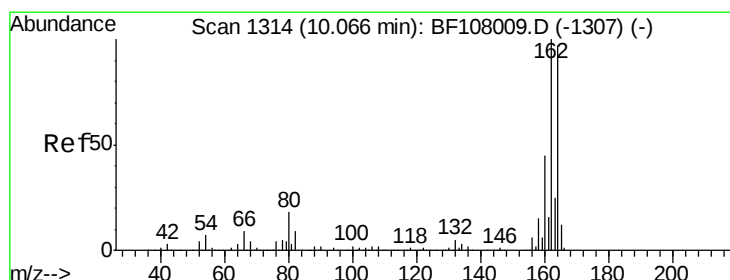
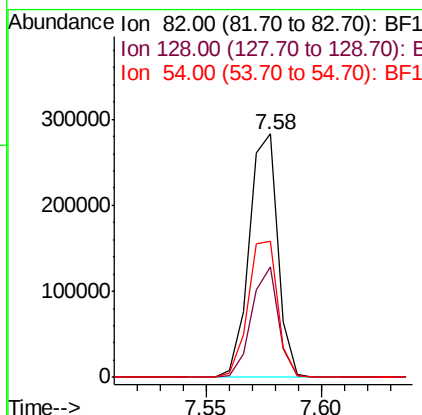
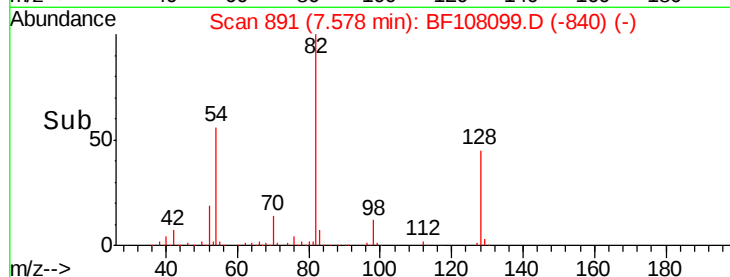
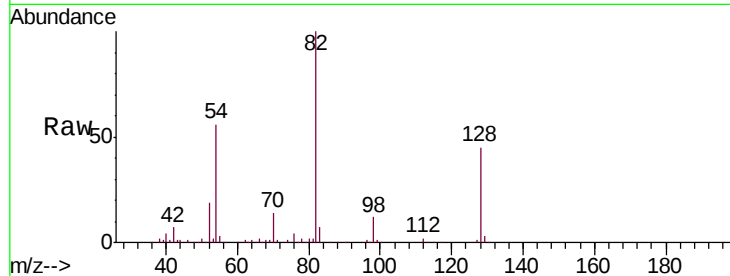
#23
Nitrobenzene-d5
Concen: 15.074 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	246693		
128	45.4	36.1	54.1	
54	55.7	41.4	62.2	

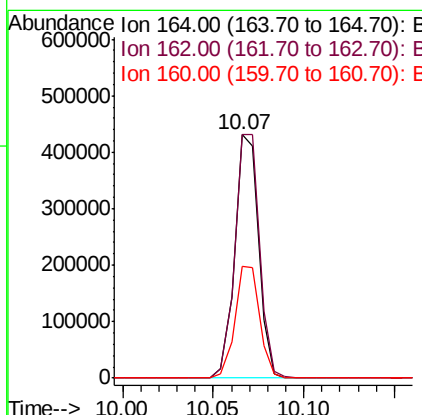
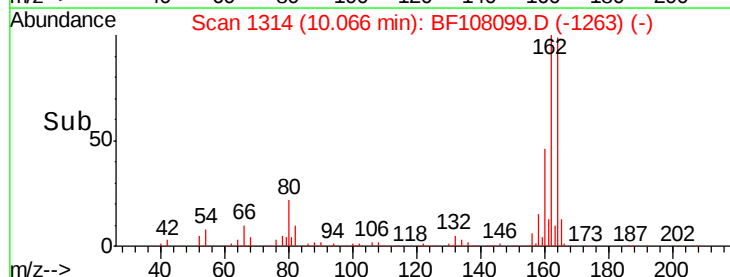
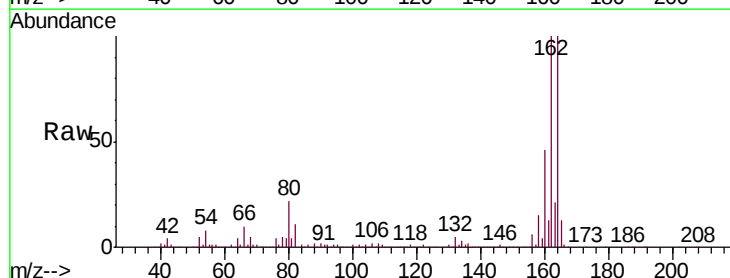
Manual Integrations
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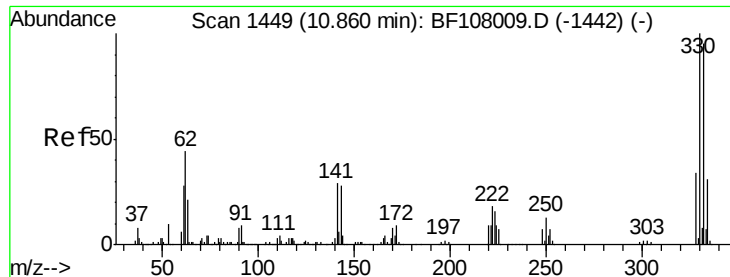
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	394473		
162	100.0	86.1	129.1	
160	46.0	38.3	57.5	





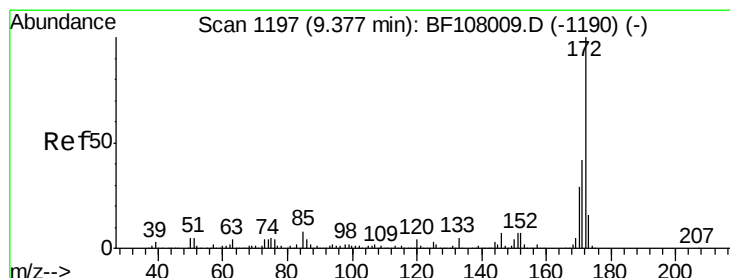
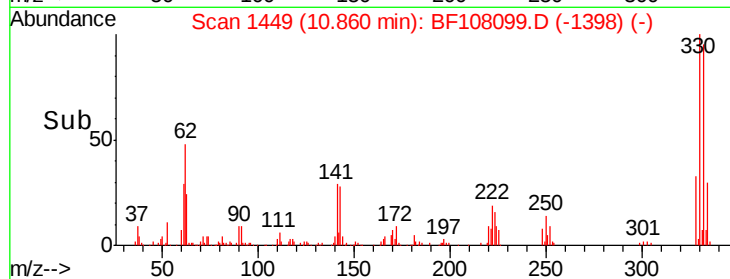
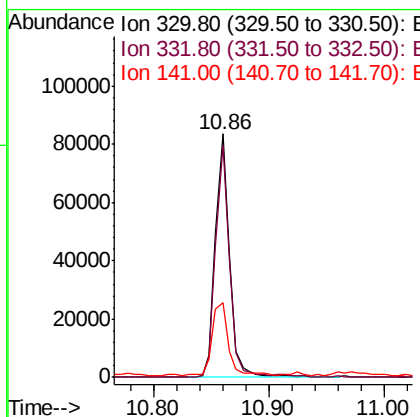
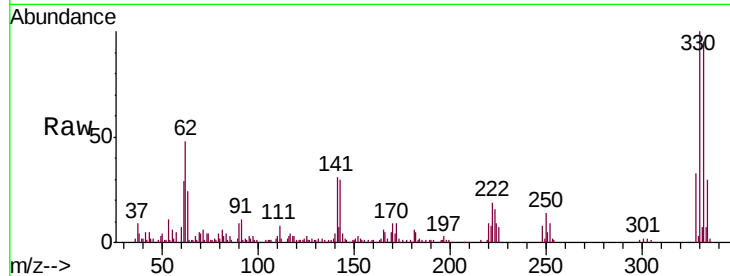
#41
 2,4,6-Tribromophenol
 Concen: 18.170 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	71496		
332	94.4	77.0	115.6	
141	32.8	29.9	44.9	

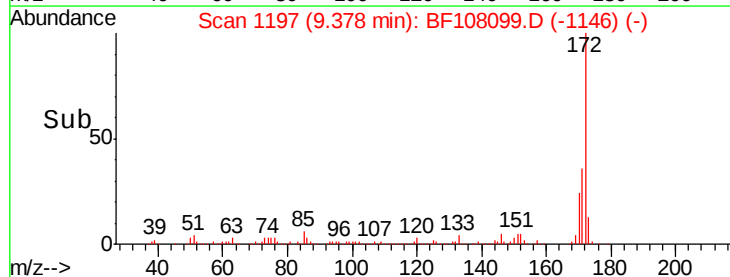
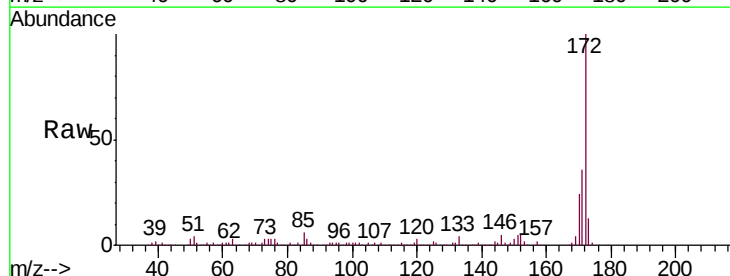
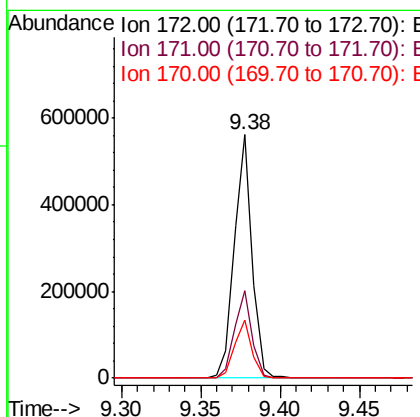
Manual Integrations
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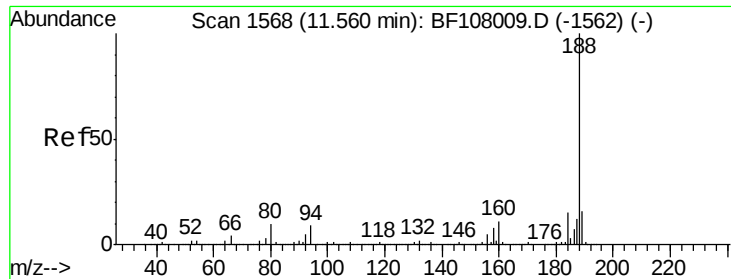
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#44
 2-Fluorobiphenyl
 Concen: 17.651 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	433705		
171	35.9	29.7	44.5	
170	23.7	19.6	29.4	





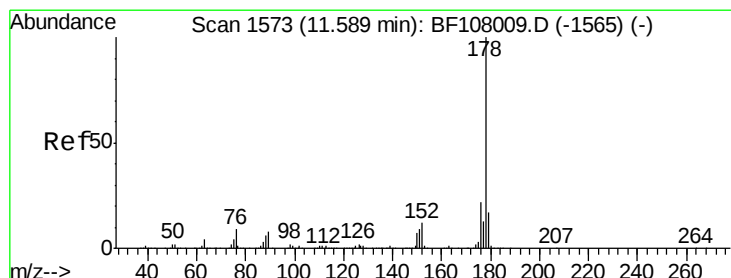
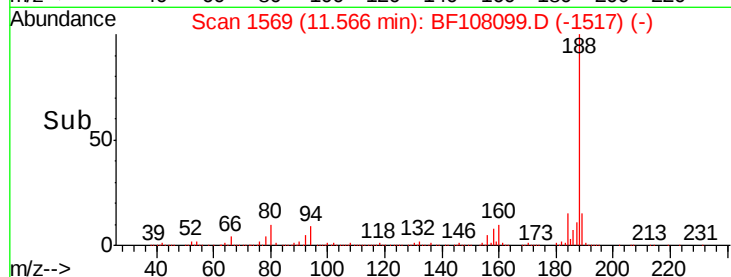
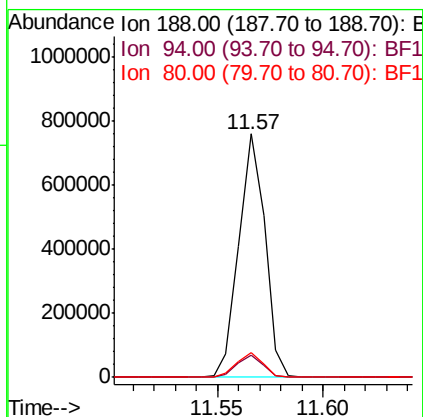
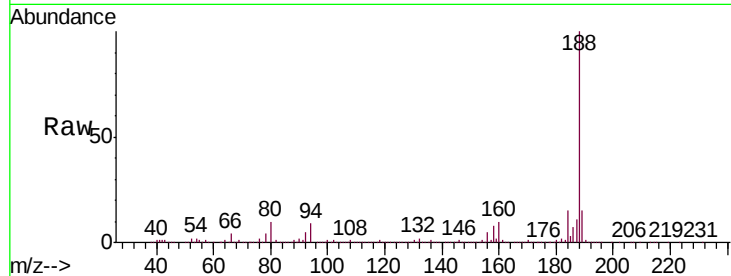
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

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

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	650785		
94	9.3	8.5	12.7	
80	10.4	9.2	13.8	

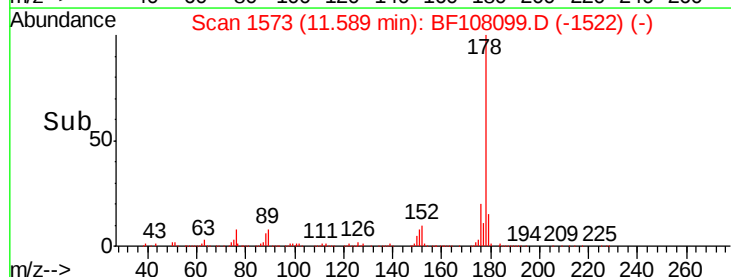
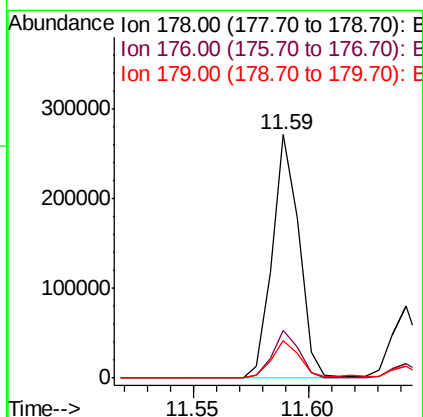
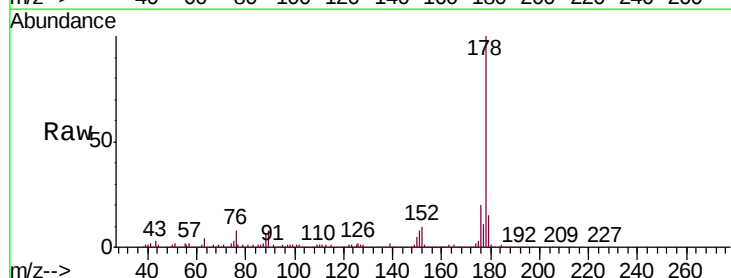
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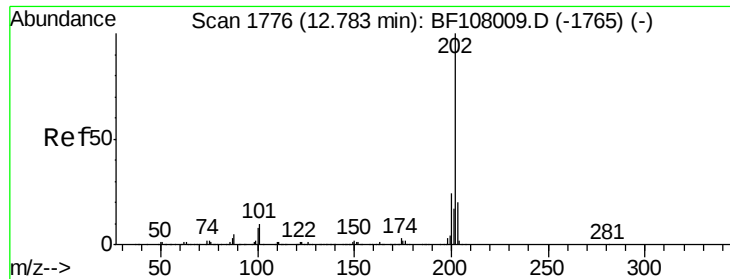
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#70
Phenanthrene
Concen: 7.042 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	216146		
176	19.9	15.8	23.8	
179	15.4	13.0	19.6	





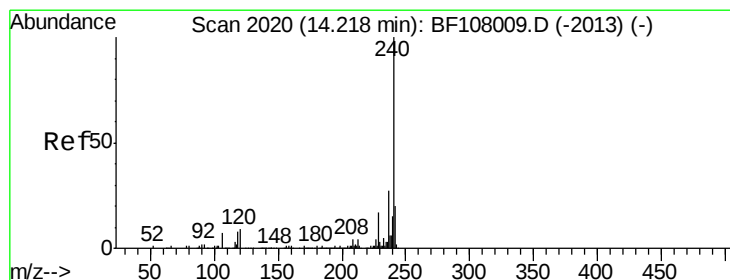
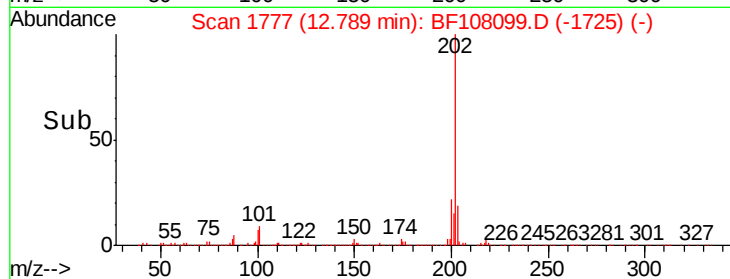
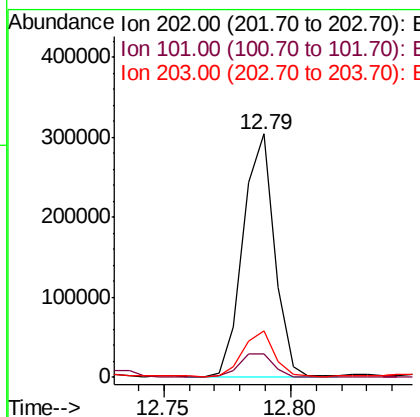
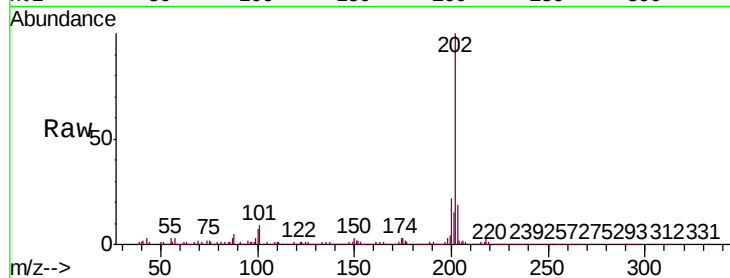
#74
 Fluoranthene
 Concen: 7.766 ng
 RT: 12.79 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.4	0.0	34.1
203	18.8	0.0	38.1

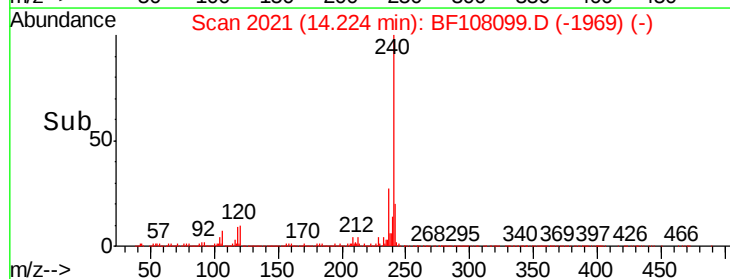
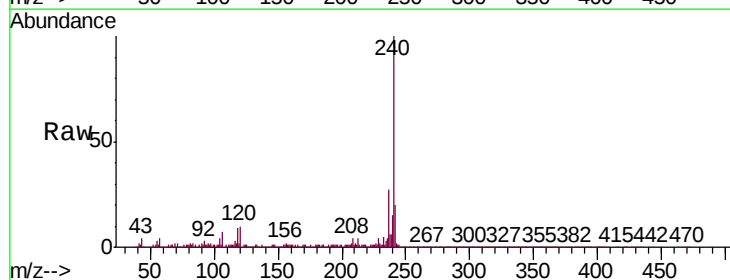
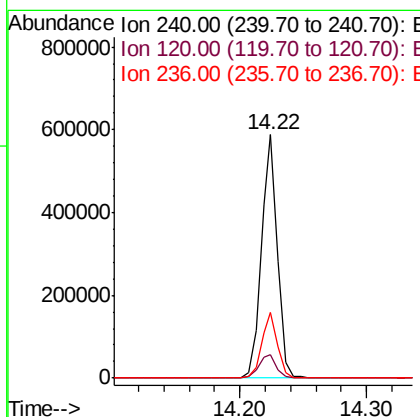
Manual Integrations
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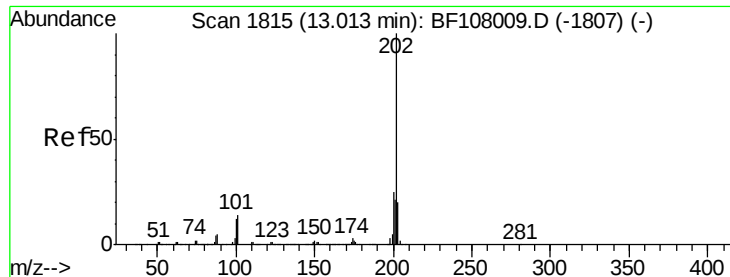
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.7	9.5	14.3
236	26.9	20.7	31.1





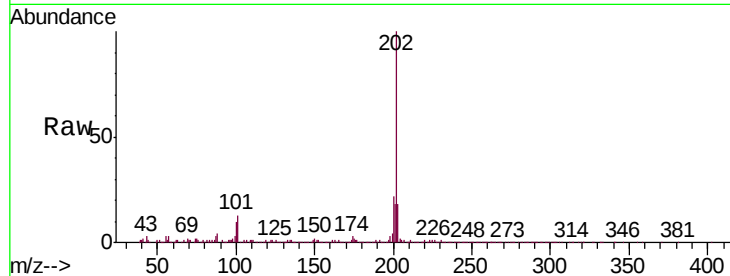
#77
 Pyrene
 Concen: 9.994 ng
 RT: 13.02 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.9	17.4	26.2
203	17.7	14.3	21.5

Manual Integrations
 APPROVED

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 8/13/2018 3:52:29 PM

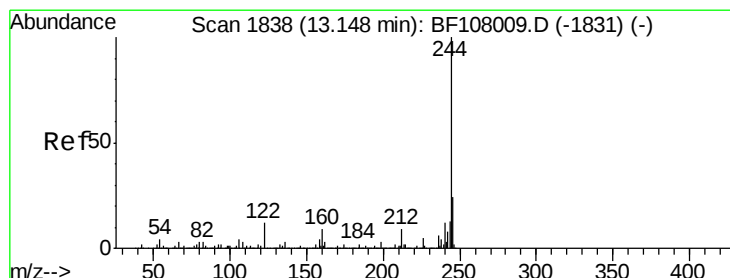
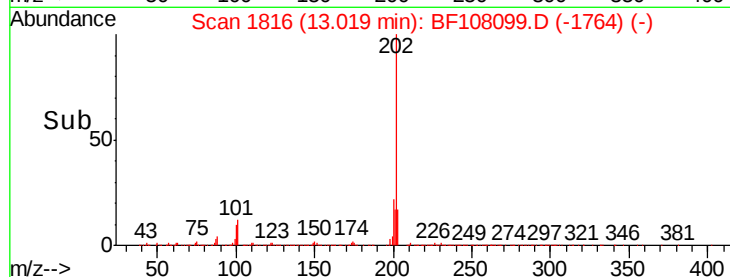
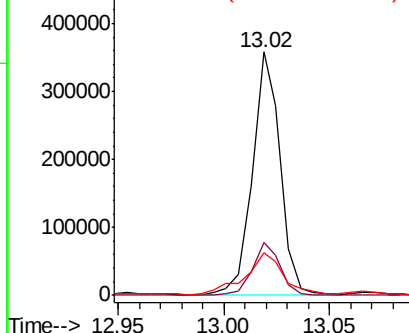


Abundance

Ion 202.00 (201.70 to 202.70): E

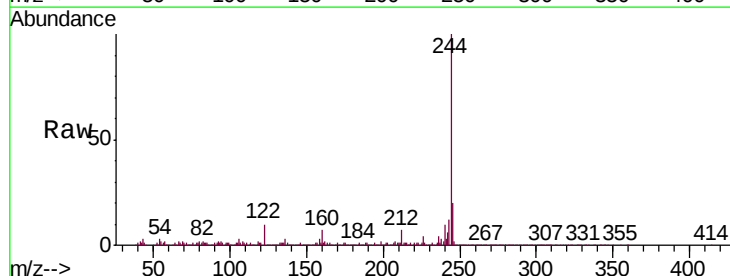
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
 Terphenyl-d14
 Concen: 17.871 ng
 RT: 13.15 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	5.4	8.0
122	9.7	11.0	16.4#

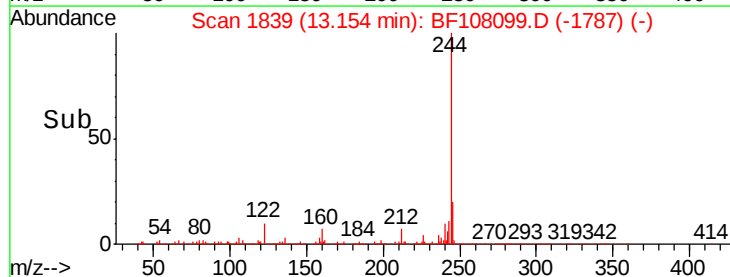
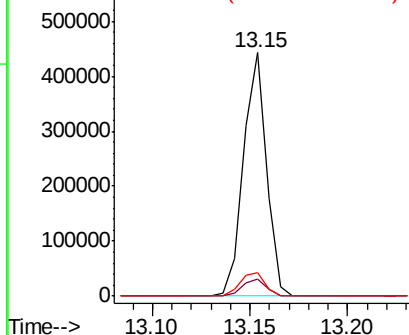


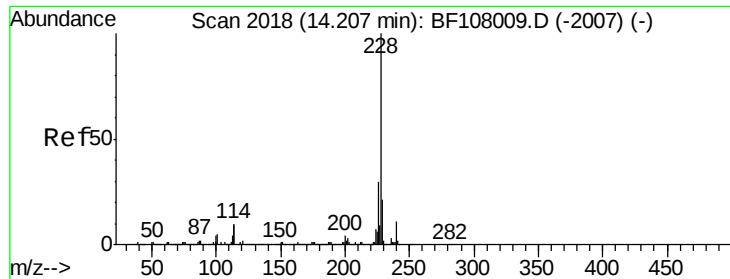
Abundance

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





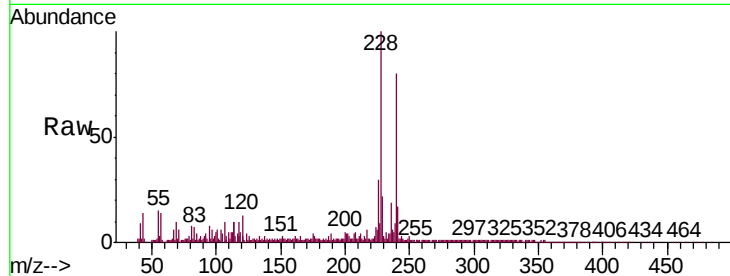
#80
Benzo(a)anthracene
Concen: 4.617 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

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

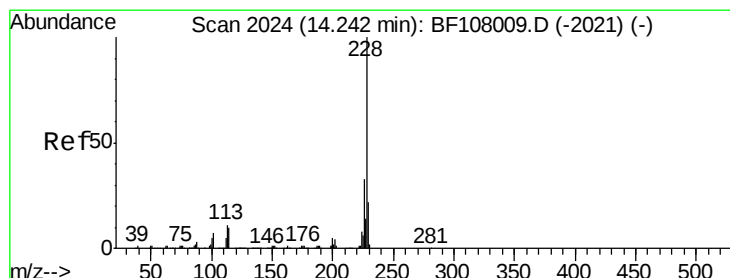
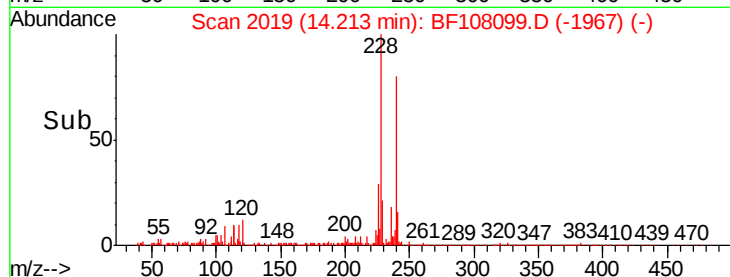
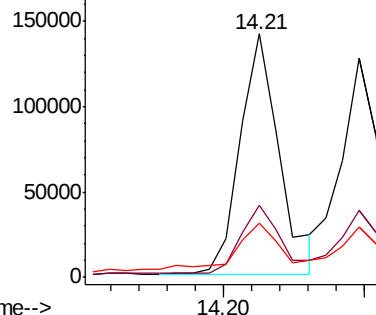
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	136167		
226	29.9	22.6	33.8	
229	22.5	15.8	23.6	

Manual Integrations
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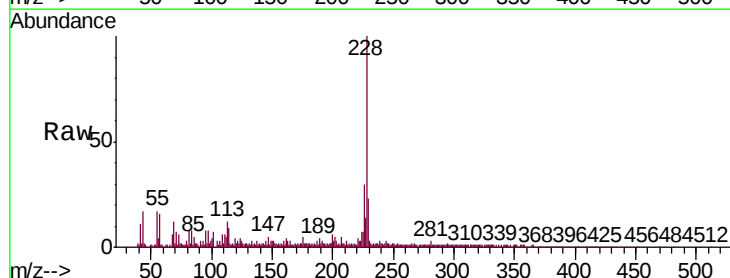


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

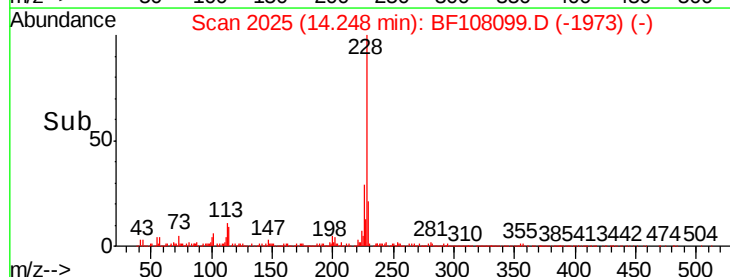
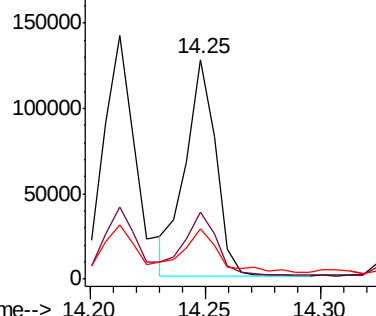


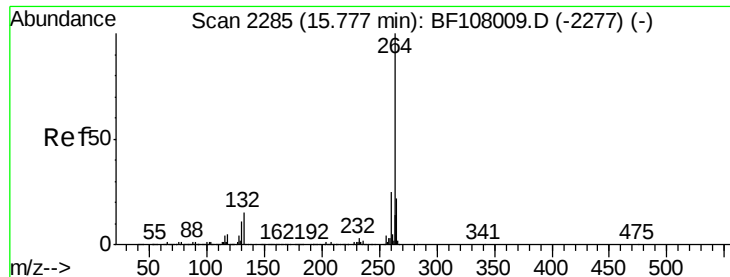
#82
Chrysene
Concen: 4.302 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	116327		
226	30.3	25.0	37.6	
229	23.0	16.2	24.4	



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.79 min Scan# 2288

Delta R.T. 0.02 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

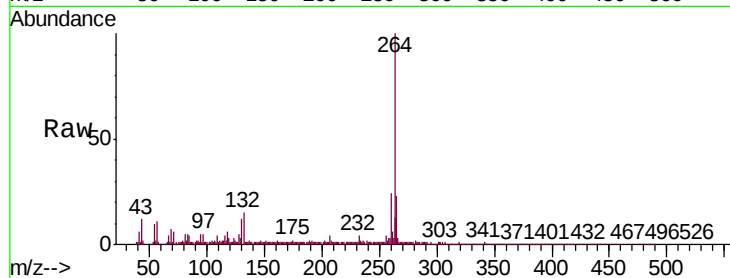
ClientSampleId :

JC-03-080918-D

Tgt Ion:	264	Resp:	357200
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.6	17.5	26.3

Manual Integrations
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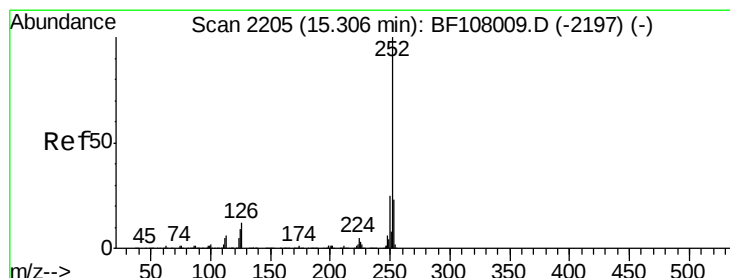
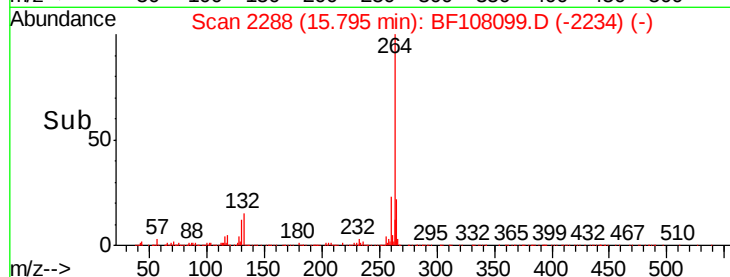
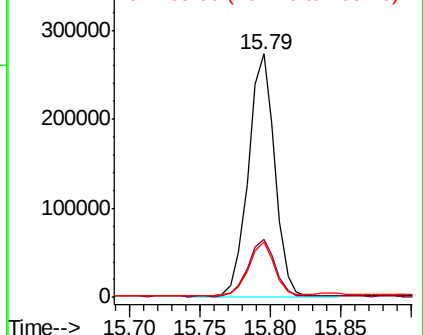
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 4.573 ng m

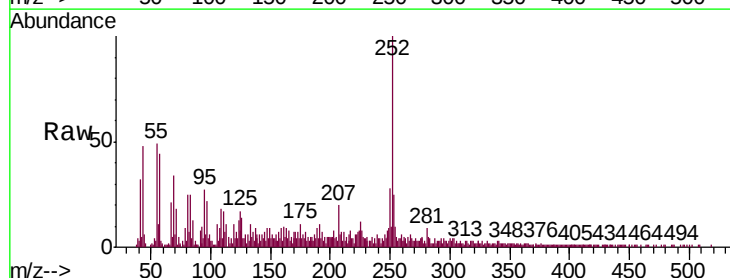
RT: 15.32 min Scan# 2207

Delta R.T. 0.01 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

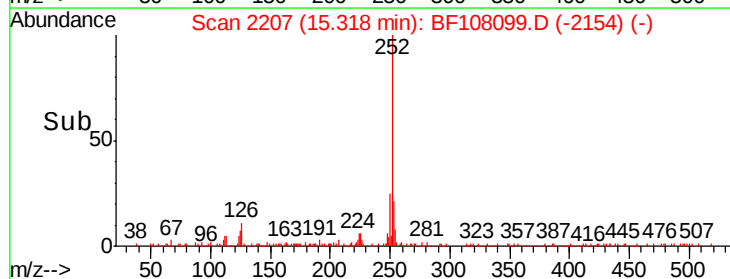
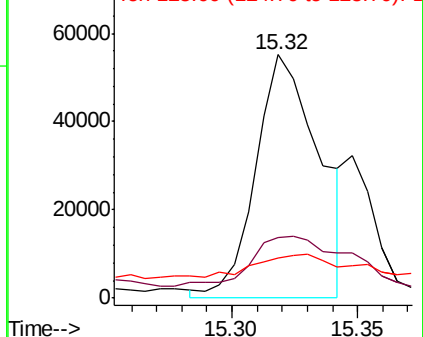
Tgt Ion:	252	Resp:	97597
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.0	25.6
125	16.7	9.0	13.6#

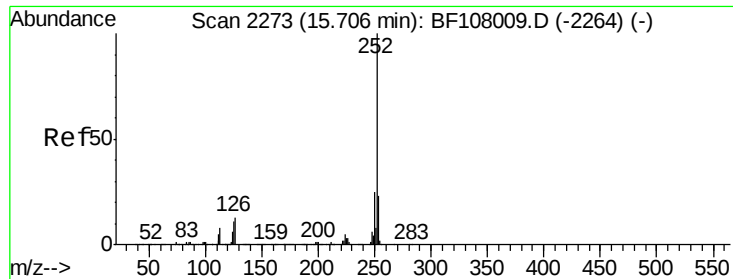


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





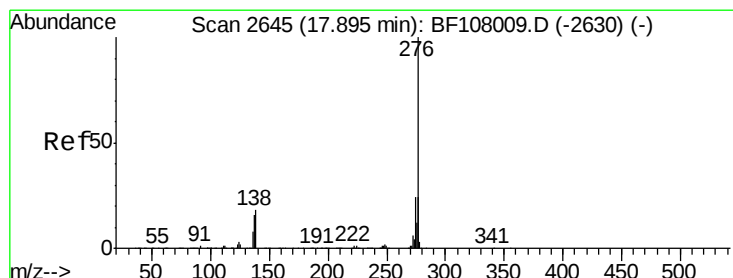
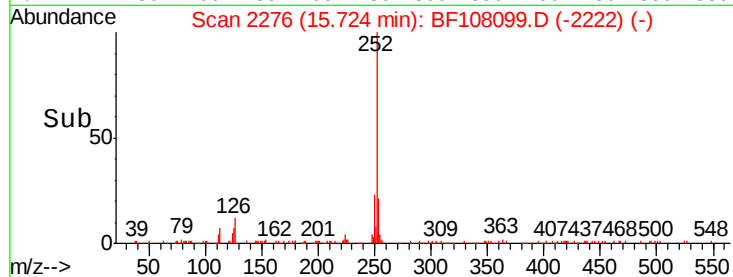
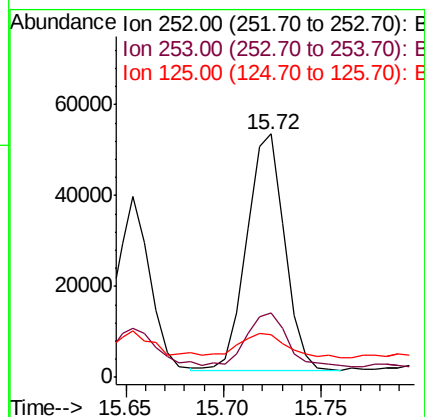
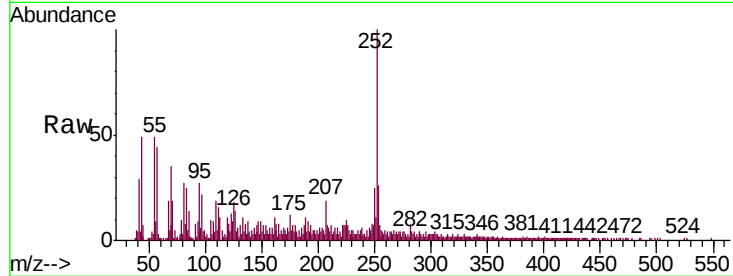
#89
Benzo(a)pyrene
Concen: 3.633 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.1	25.7#
125	17.7	9.8	14.6#

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#91
Benzo(g,h,i)perylene
Concen: 2.283 ng
RT: 17.91 min Scan# 2648
Delta R.T. 0.02 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.9	17.9	26.9#
138	24.7	21.8	32.8

