

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
 Data File : BF108173.D
 Acq On : 15 Aug 2018 18:48
 Operator : JU/SJ
 Sample : J4477-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-004-A

Manual Integrations
 APPROVED

Sohil
 8/16/2018 5:27:04 PM

Quant Time: Aug 16 02:37:45 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	193327	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	749429	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	391949	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	728903	20.00	ng	0.00
75) Chrysene-d12	14.21	240	440403	20.00	ng	0.00
86) Perylene-d12	15.78	264	456878	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1124742	105.33	ng	0.02
7) Phenol-d6	6.64	99	1542578	108.71	ng	0.00
23) Nitrobenzene-d5	7.58	82	1032738	76.90	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	344904	88.22	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1903162	77.96	ng	0.00
78) Terphenyl-d14	13.15	244	1649214	95.21	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	135598	4.967	ng	99
70) Phenanthrene	11.58	178	70818	2.060	ng	98
74) Fluoranthene	12.78	202	139485	3.717	ng	93
77) Pyrene	13.01	202	126958	4.553	ng	99
80) Benzo(a)anthracene	14.20	228	56810	2.248	ng	98
82) Chrysene	14.24	228	47514	2.051	ng	98
87) Benzo(b)fluoranthene	15.30	252	67127m	2.459	ng	

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

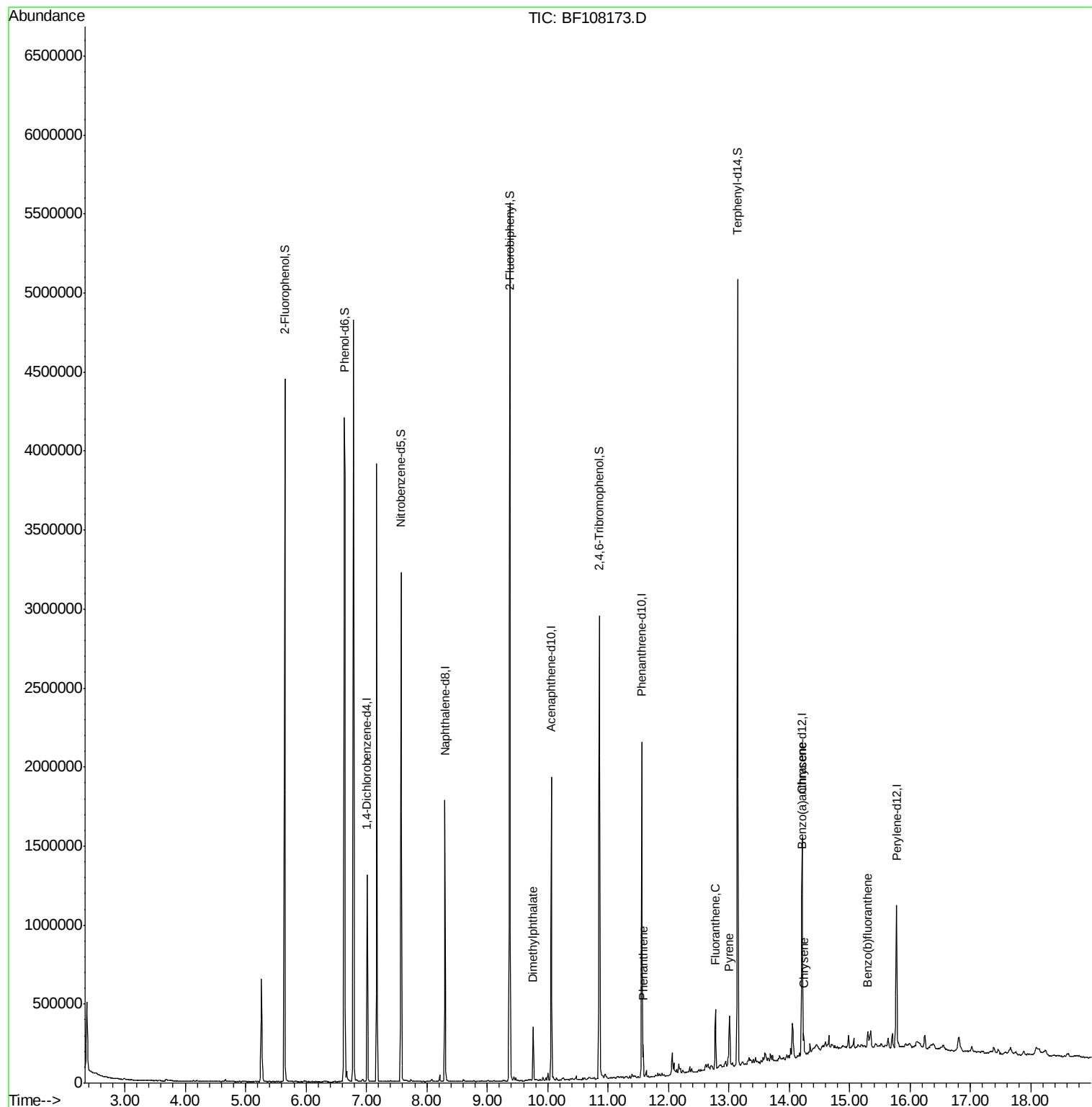
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081518\
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#1

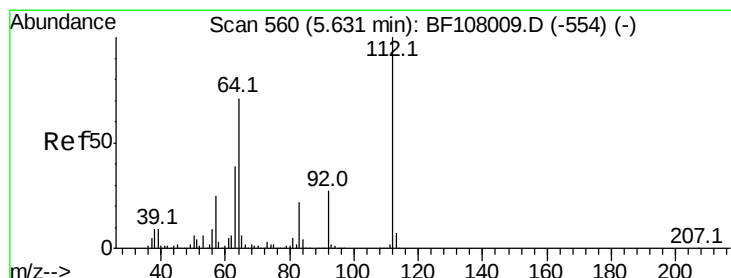
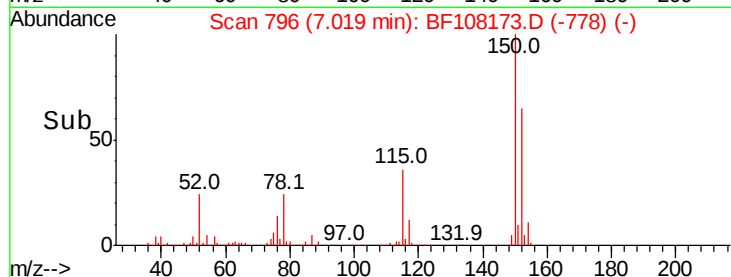
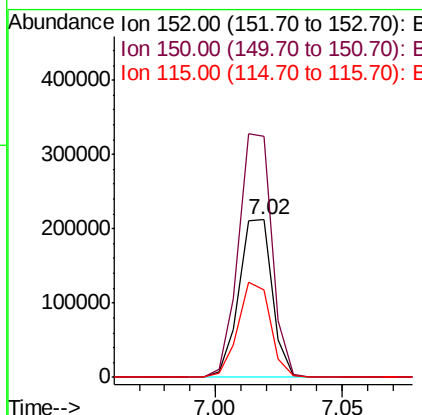
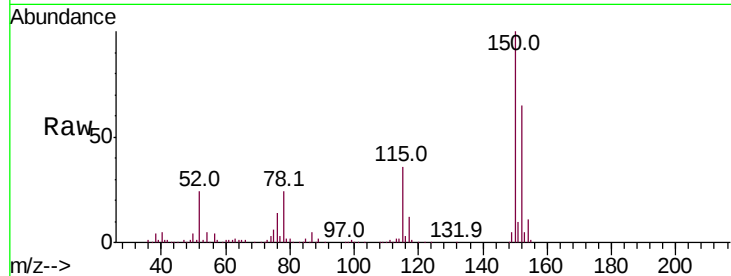
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	55.8	50.1	75.1

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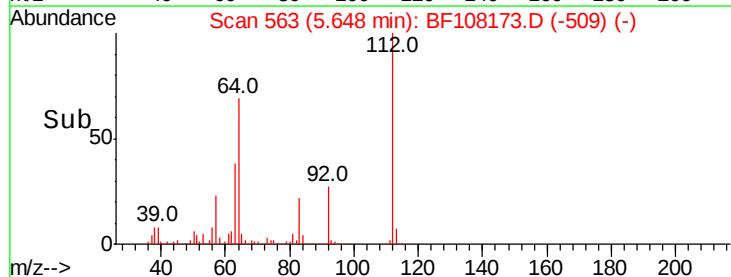
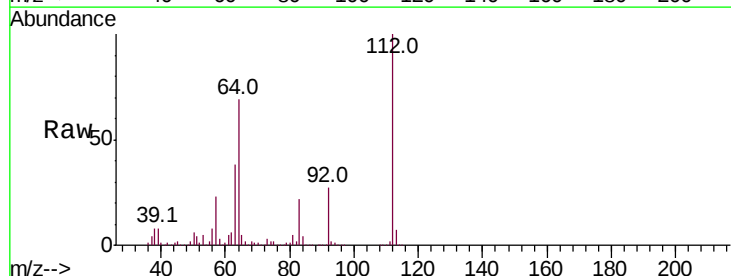
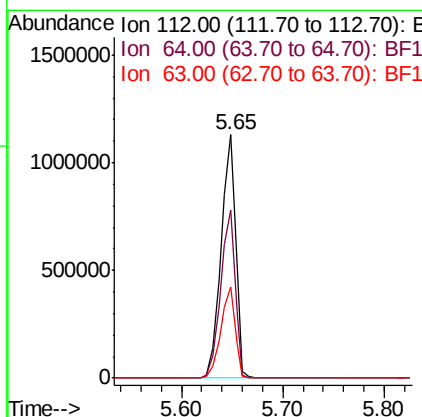
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#5

2-Fluorophenol
Concen: 105.329 ng
RT: 5.65 min Scan# 563
Delta R.T. 0.02 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	37.6	23.7	35.5





#7

Phenol-d6

Concen: 108.708 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-004-A

Tot Ion: 99 Resp: 1542578

Ion Ratio Lower Upper

99 100

42 23.7 14.5 21.7#

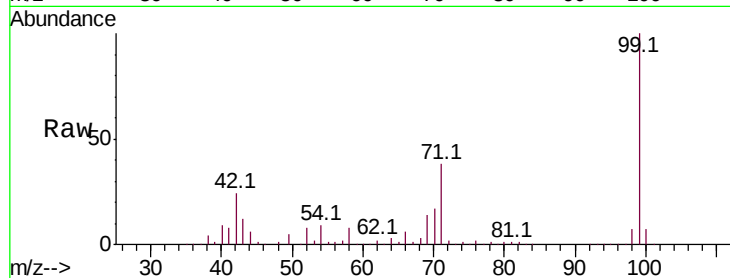
71 38.2 25.4 38.0#

Manual Integrations

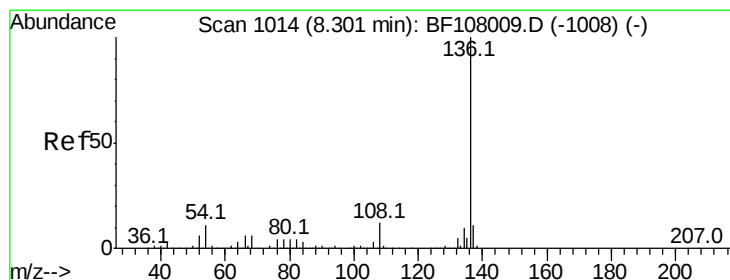
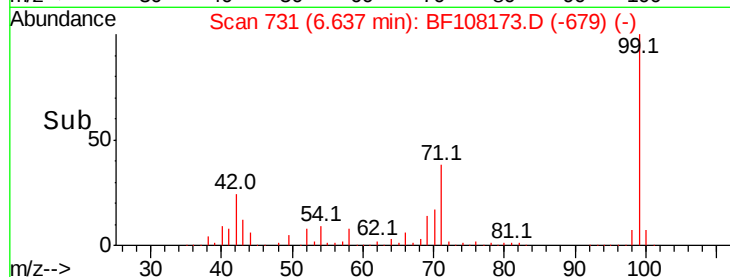
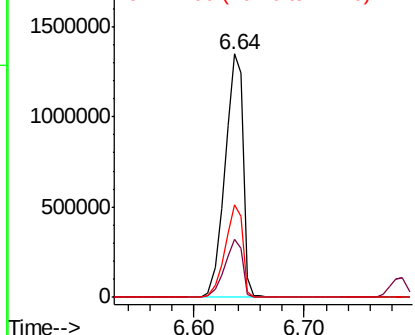
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Tgt Ion: 136 Resp: 749429

Ion Ratio Lower Upper

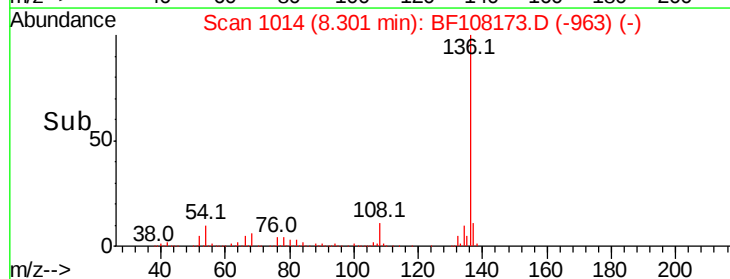
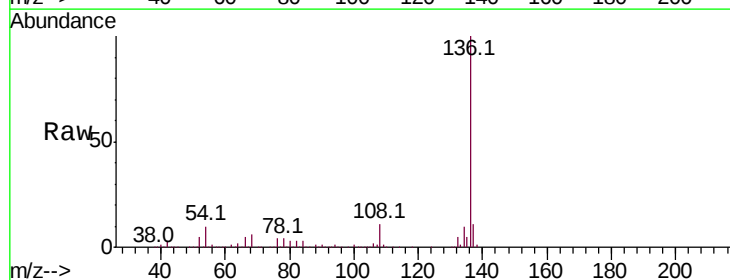
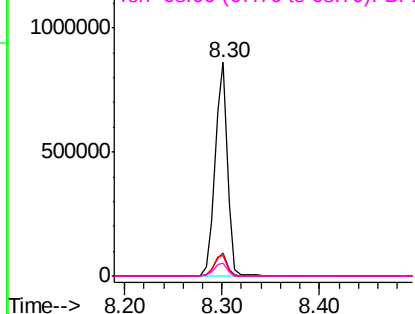
136 100

137 11.0 8.9 13.3

54 9.7 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





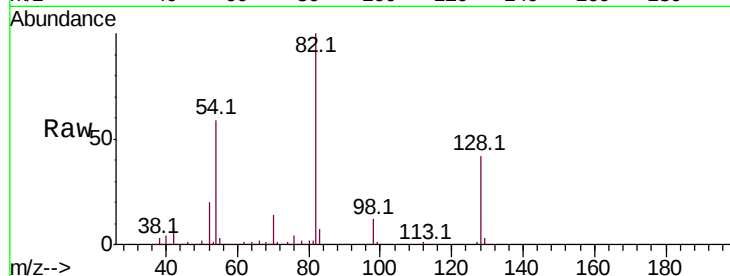
#23
 Nitrobenzene-d5
 Concen: 76.896 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-004-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	58.8	41.4	62.2

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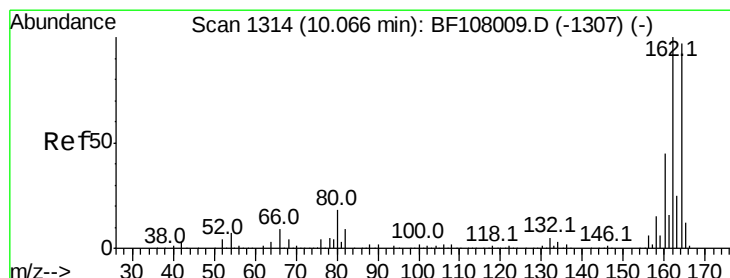
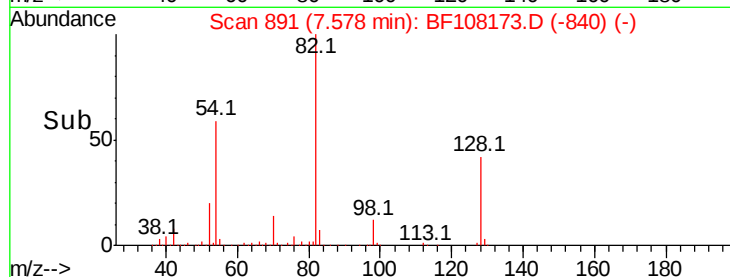
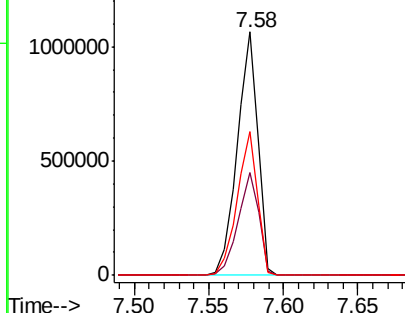


Abundance

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: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

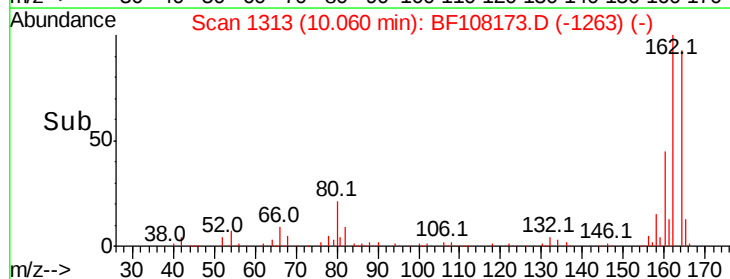
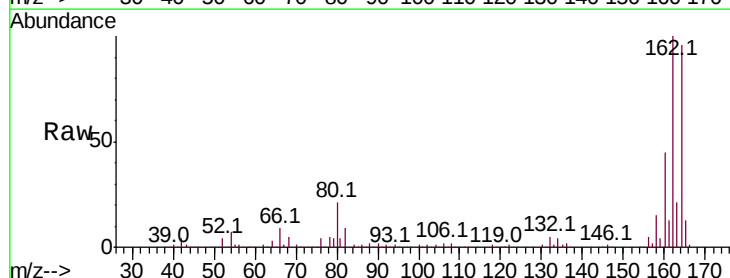
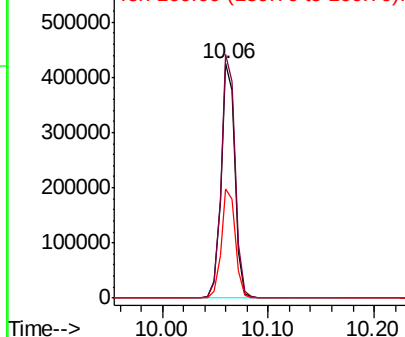
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	86.1	129.1
160	46.5	38.3	57.5

Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





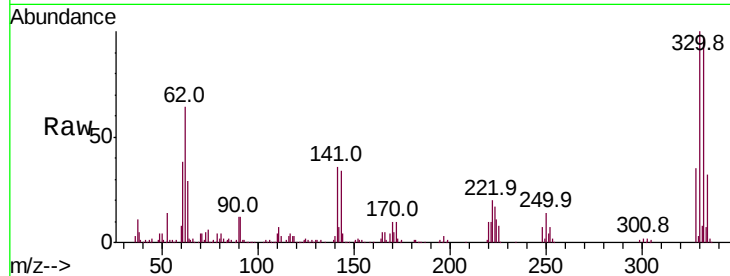
#41
 2,4,6-Tribromophenol
 Concen: 88.220 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-004-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	77.0	115.6	
141	33.0	29.9	44.9	

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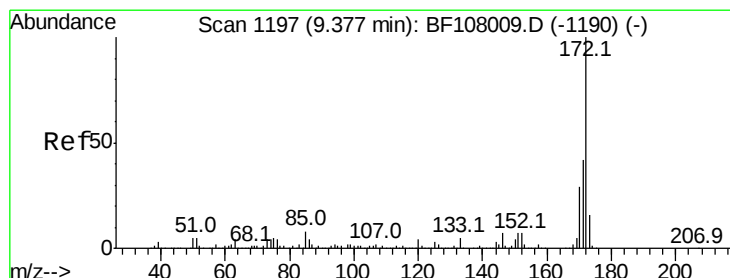
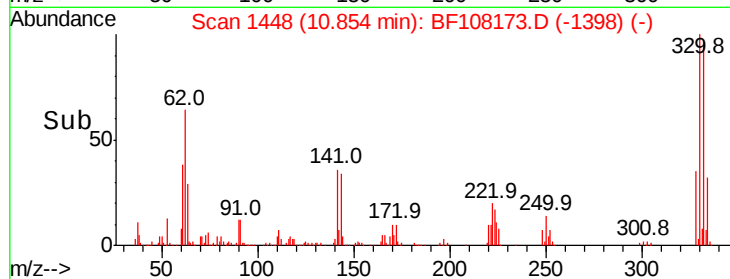
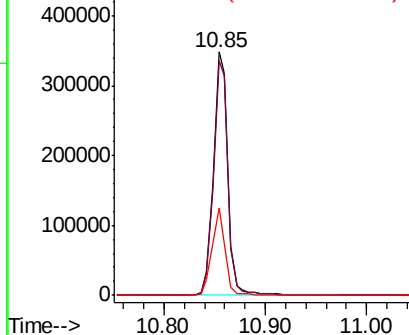


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 77.956 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

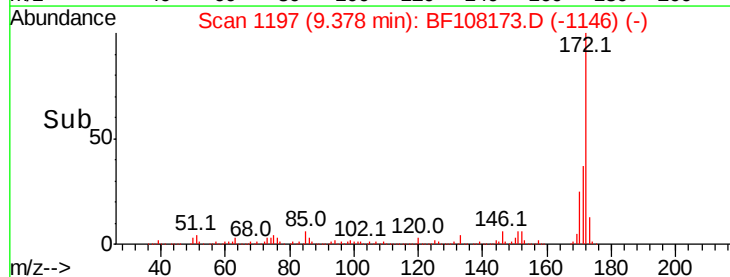
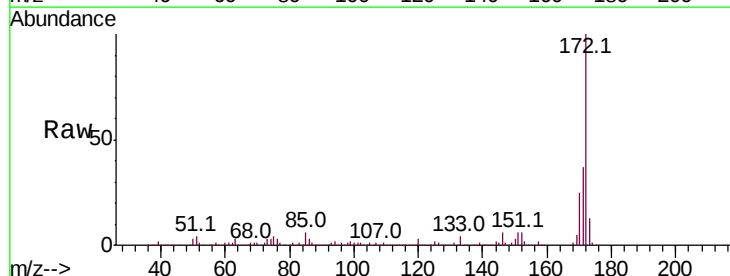
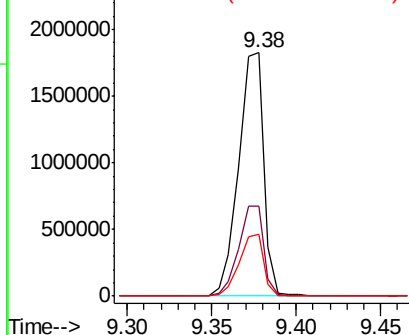
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.1	29.7	44.5	
170	25.2	19.6	29.4	

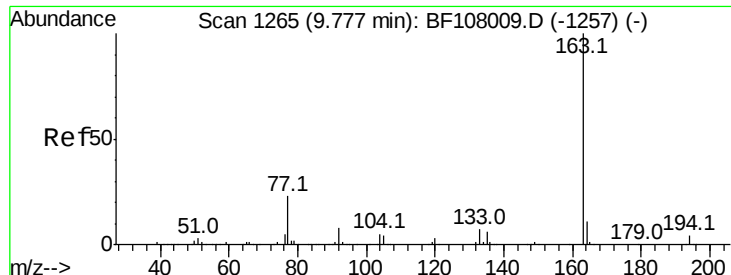
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





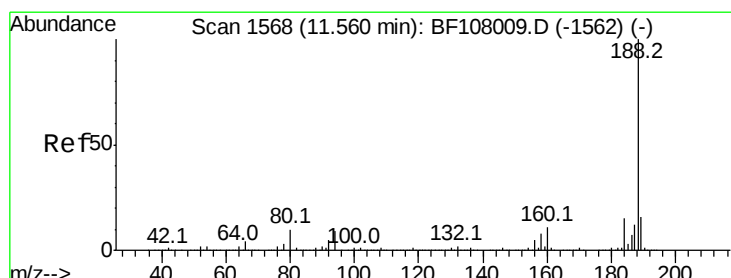
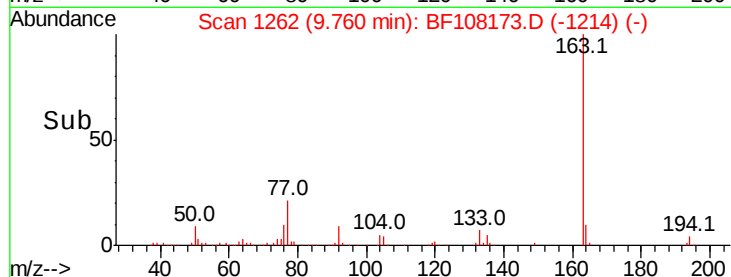
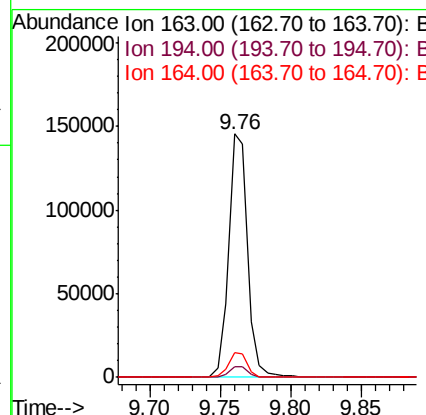
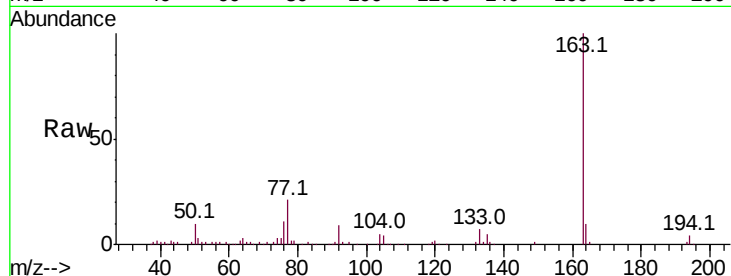
#49
Dimethylphthalate
Concen: 4.967 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.2	2.7	4.1#	
164	10.2	8.2	12.2	

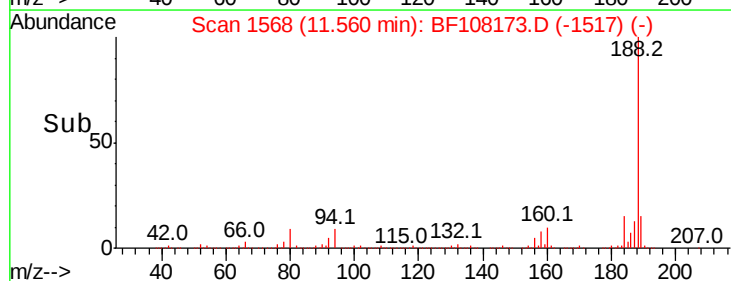
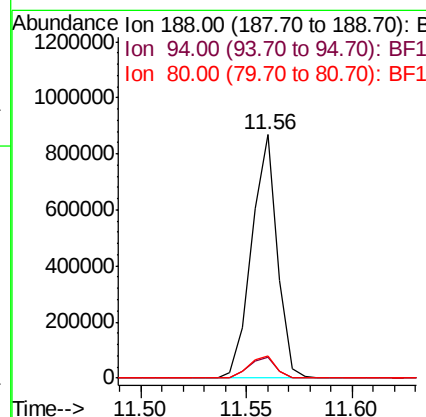
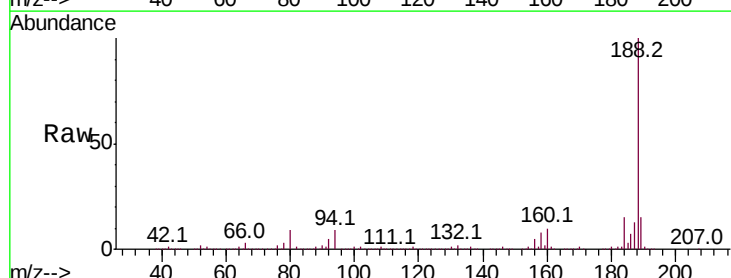
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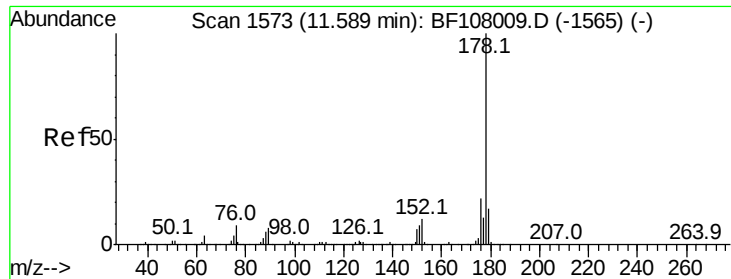
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.6	8.5	12.7	
80	9.3	9.2	13.8	





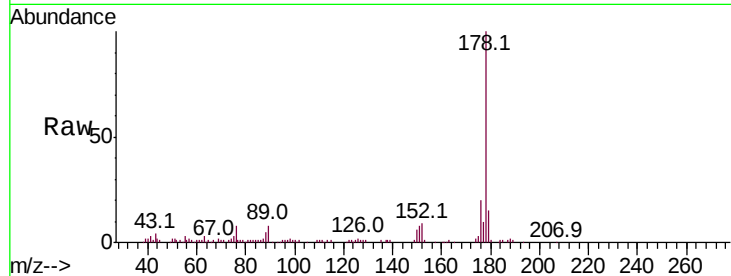
#70
Phenanthrene
Concen: 2.060 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.1	13.0	19.6

Manual Integrations
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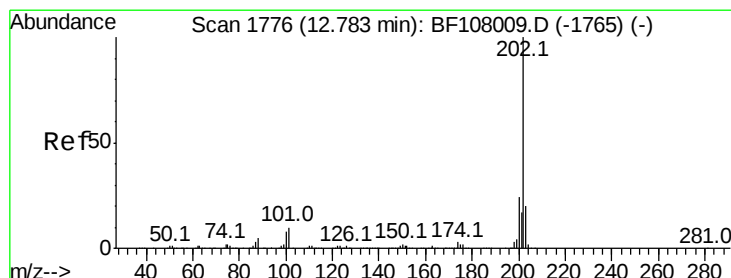
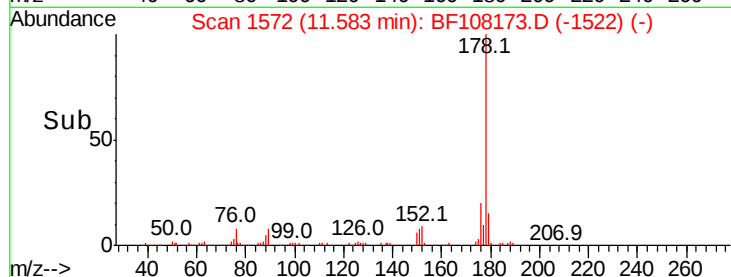
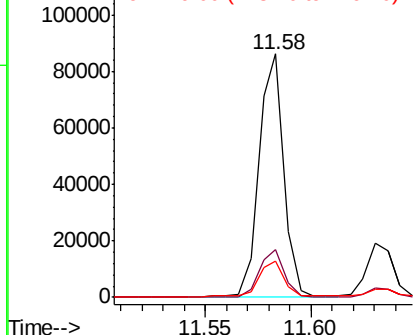


Abundance

Ion 178.00 (177.70 to 178.70): E

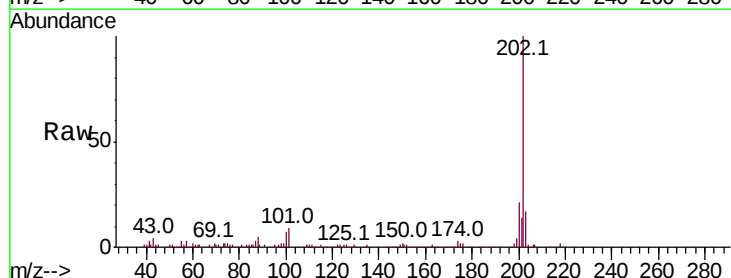
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
Fluoranthene
Concen: 3.717 ng
RT: 12.78 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	16.5	0.0	38.1

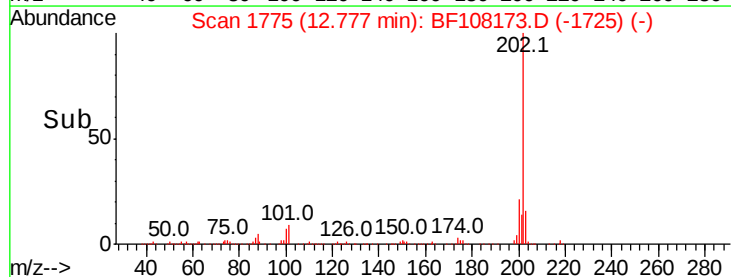
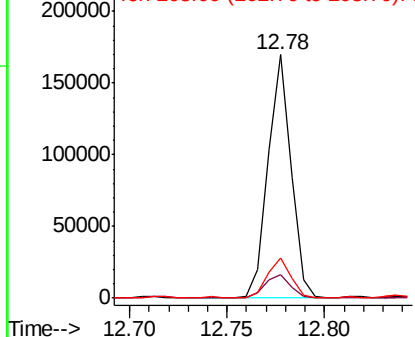


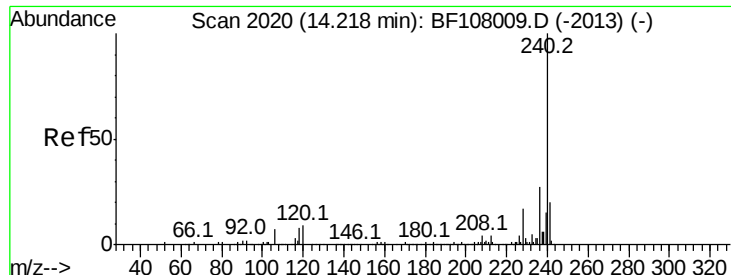
Abundance

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: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

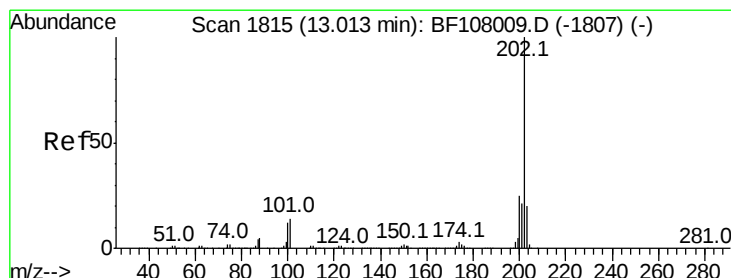
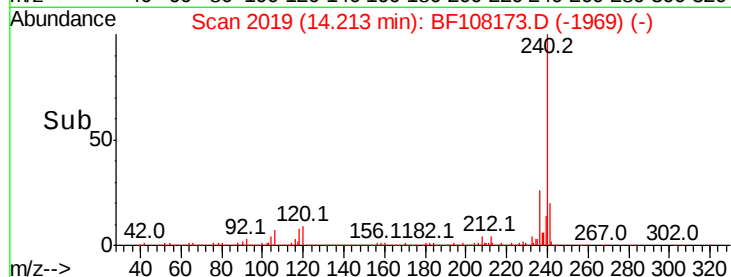
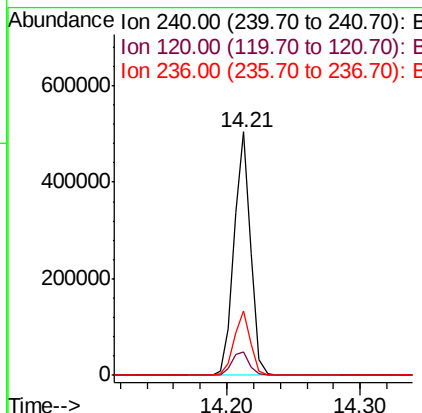
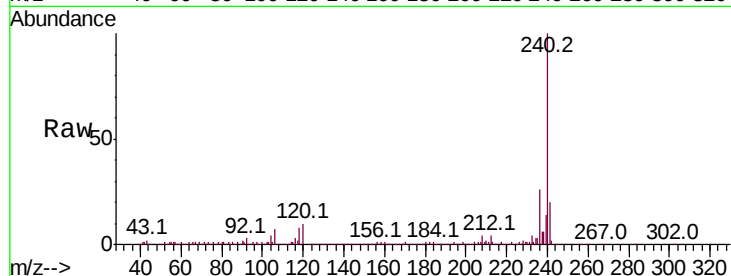
ClientSampleId :

FK-SF-03-004-A

Tot Ion:	240	Resp:	440403
Ion Ratio	Lower	Upper	
240	100		
120	9.6	9.5	14.3
236	26.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 4.553 ng

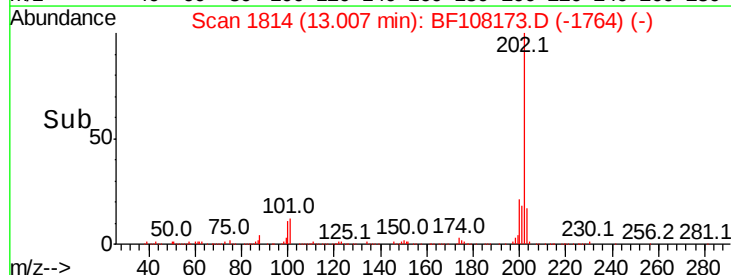
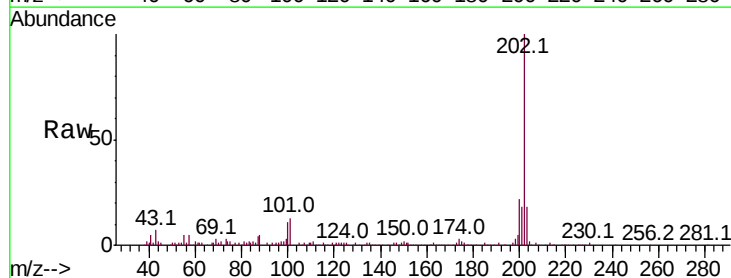
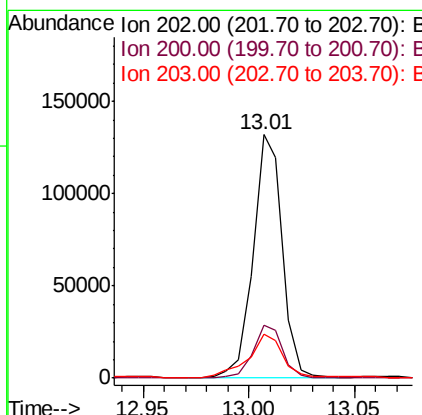
RT: 13.01 min Scan# 1814

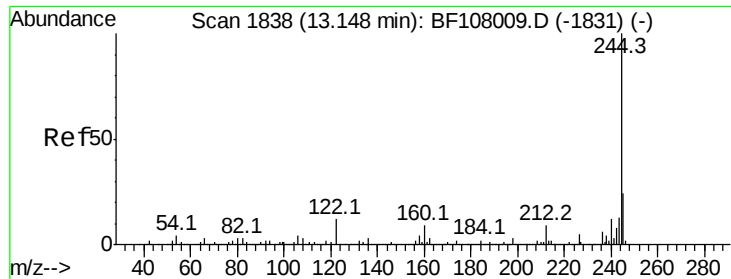
Delta R.T. -0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Tgt Ion:	202	Resp:	126958
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 95.214 ng

RT: 13.15 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-004-A

Tot Ion:244 Resp: 1649214

Ion Ratio Lower Upper

244 100

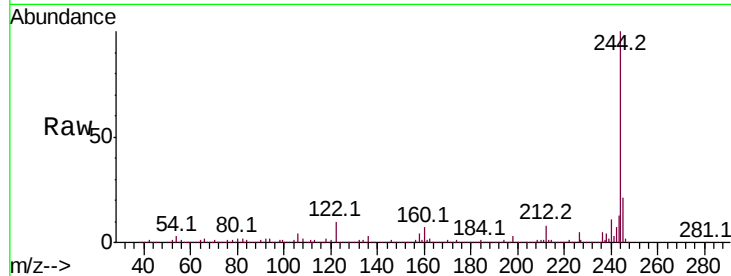
212 7.6 5.4 8.0

122 10.0 11.0 16.4#

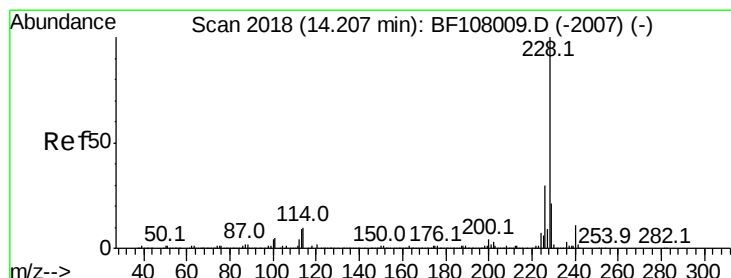
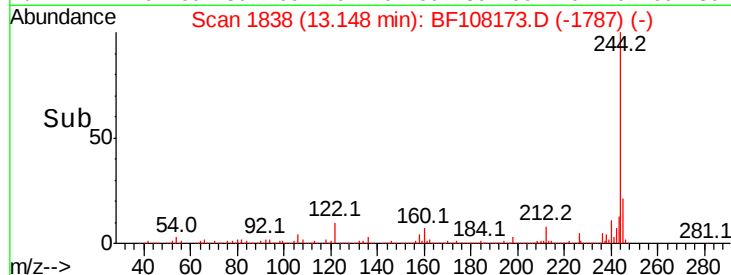
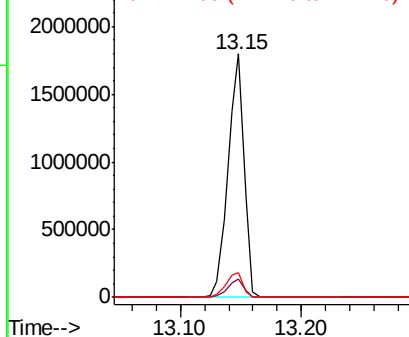
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.248 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108173.D

Acq: 15 Aug 2018 18:48

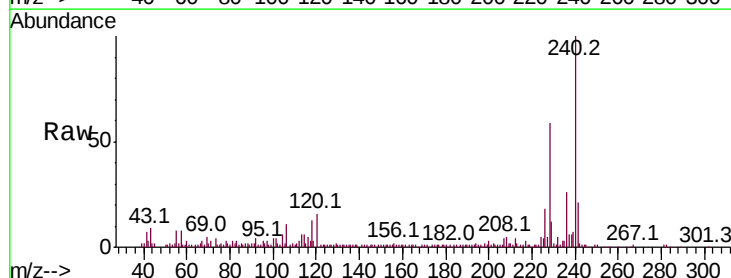
Tgt Ion:228 Resp: 56810

Ion Ratio Lower Upper

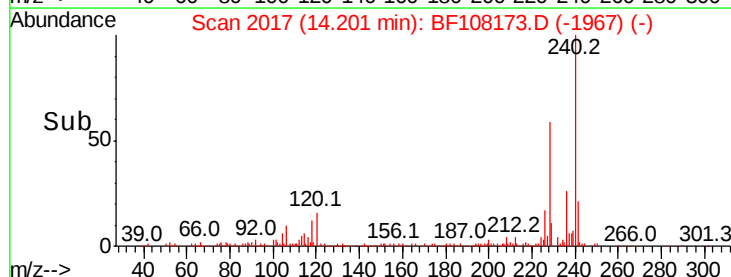
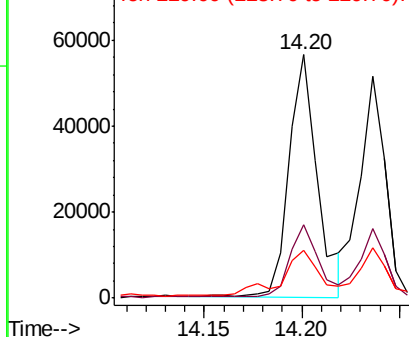
228 100

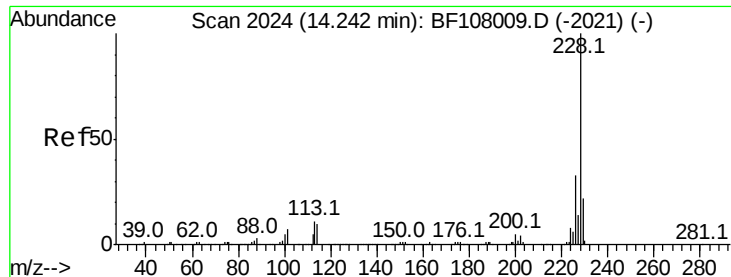
226 30.3 22.6 33.8

229 19.6 15.8 23.6



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





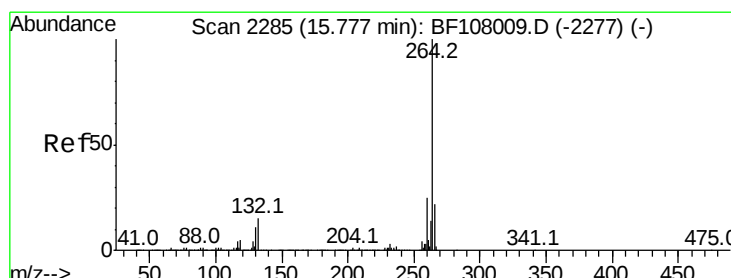
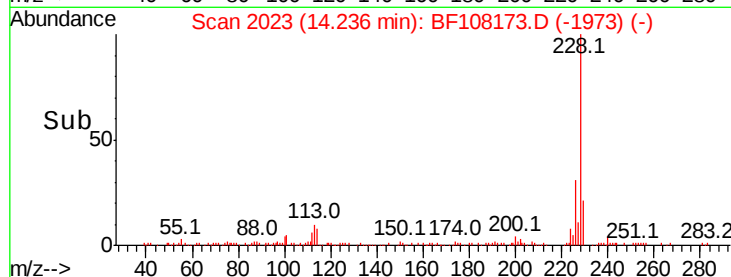
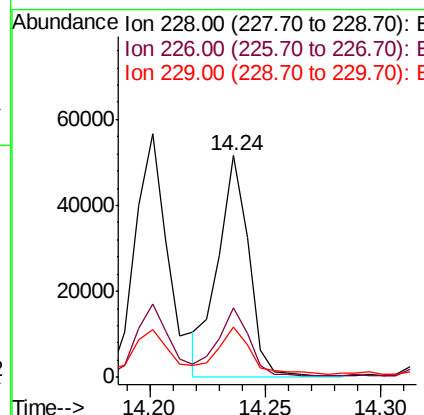
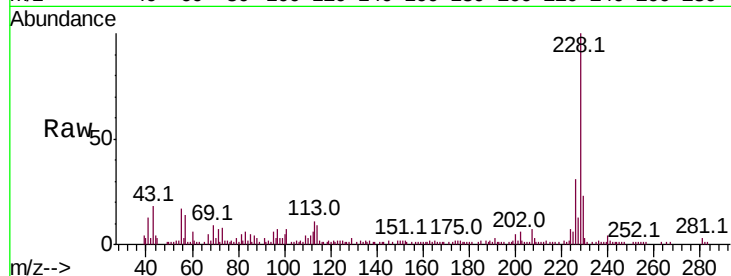
#82
Chrysene
Concen: 2.051 ng
RT: 14.24 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-004-A

Tot Ion:	228	Resp:	47514
Ion Ratio	Lower	Upper	
228	100		
226	31.1	25.0	37.6
229	22.6	16.2	24.4

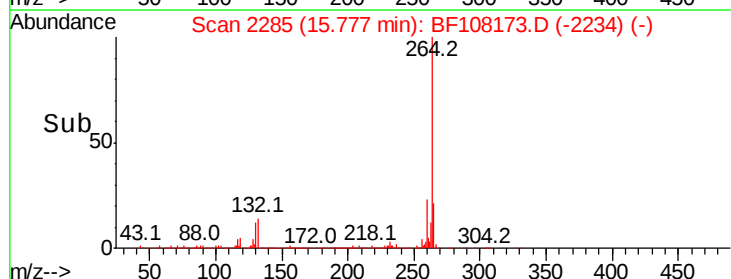
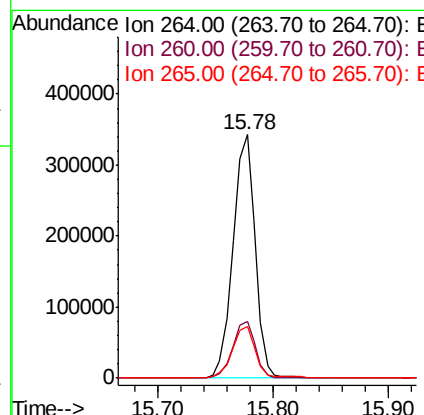
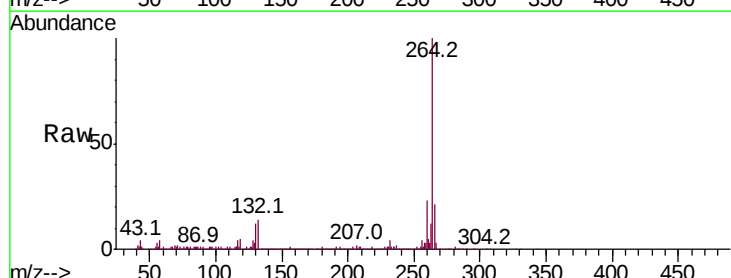
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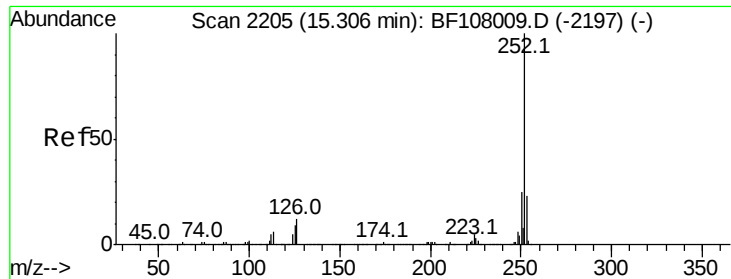
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108173.D
Acq: 15 Aug 2018 18:48

Tgt Ion:	264	Resp:	456878
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	21.1	17.5	26.3





#87
 Benzo(b)fluoranthene
 Concen: 2.459 ng/ml
 RT: 15.30 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BF108173.D
 Acq: 15 Aug 2018 18:48

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-004-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	11.7	9.0	13.6

Manual Integrations
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Sohil
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