

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
 Data File : BF110769.D
 Acq On : 14 Nov 2018 17:28
 Operator : JU/SJ
 Sample : J5889-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WALL-A

Manual Integrations
 APPROVED

Sohil
 11/15/2018 10:59:29 AM

Quant Time: Nov 15 04:42:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 12:43:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	75309	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	310782	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	143650	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	240496	20.00	ng	0.00
76) Chrysene-d12	14.13	240	154414	20.00	ng	-0.01
87) Perylene-d12	15.66	264	140846	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	544768	117.50	ng	0.00
7) Phenol-d6	6.57	99	696074	117.41	ng	0.00
23) Nitrobenzene-d5	7.51	82	438167	81.19	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	154076	106.45	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	833502	82.87	ng	0.00
79) Terphenyl-d14	13.06	244	619006	75.07	ng	0.00
Target Compounds						
10) Phenol	6.58	94	40757	5.929	ng	Qvalue # 77
50) Dimethylphthalate	9.69	163	94822	8.846	ng	100
71) Phenanthrene	11.50	178	135613	10.525	ng	99
72) Anthracene	11.56	178	32060	2.467	ng	97
75) Fluoranthene	12.70	202	214872	16.634	ng	98
78) Pyrene	12.93	202	186550	15.690	ng	98
81) Benzo(a)anthracene	14.12	228	86949	9.421	ng	98
83) Chrysene	14.16	228	78181	8.891	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	39851	6.316	ng	96
88) Benzo(b)fluoranthene	15.20	252	107349m	12.740	ng	
89) Benzo(k)fluoranthene	15.23	252	32280m	3.877	ng	
90) Benzo(a)pyrene	15.59	252	77630	10.140	ng	98
92) Benzo(a,h,i)perylene	17.71	276	34991m	5.444	ng	

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

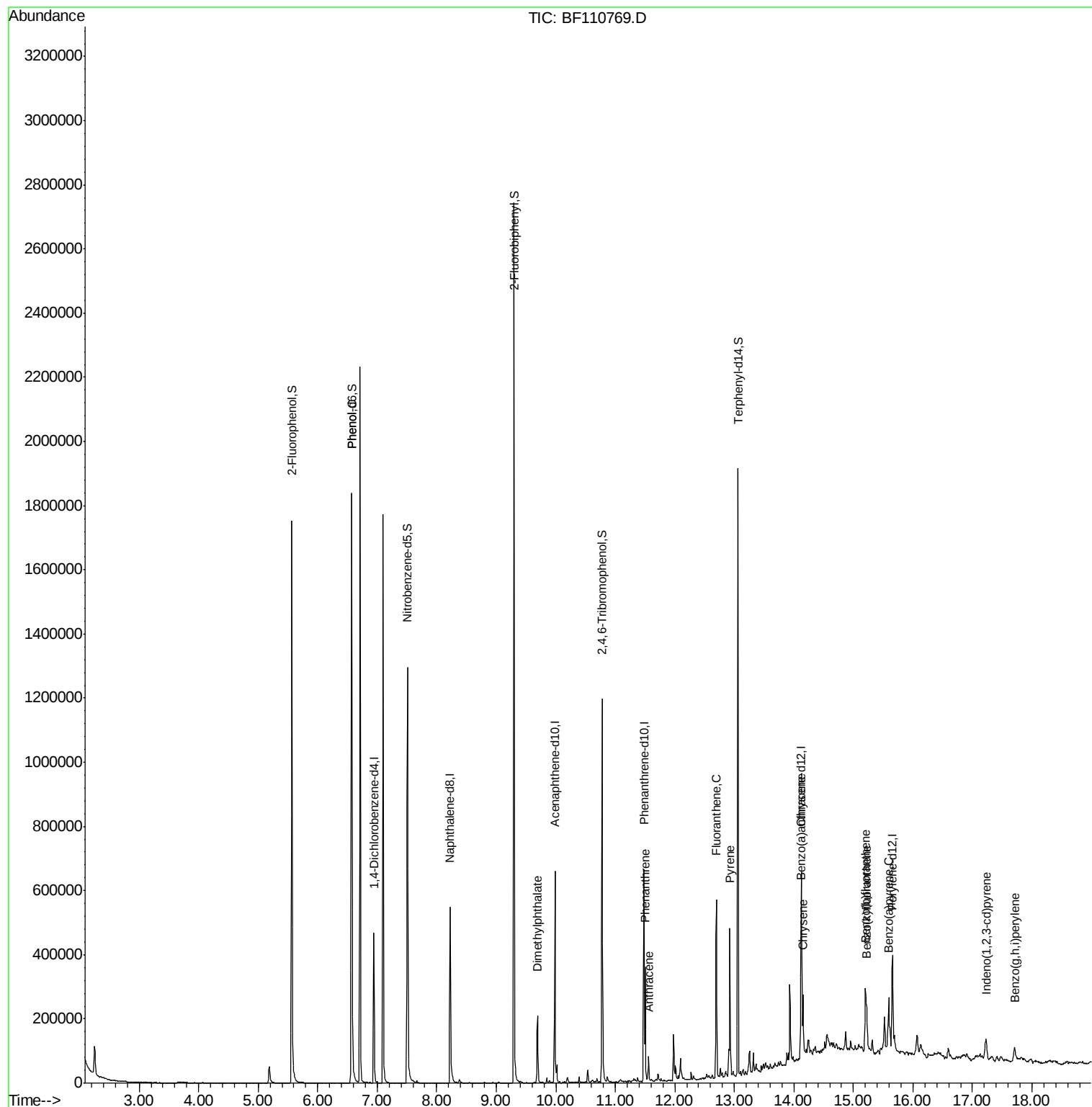
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111418\
Data File : BF110769.D
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#1

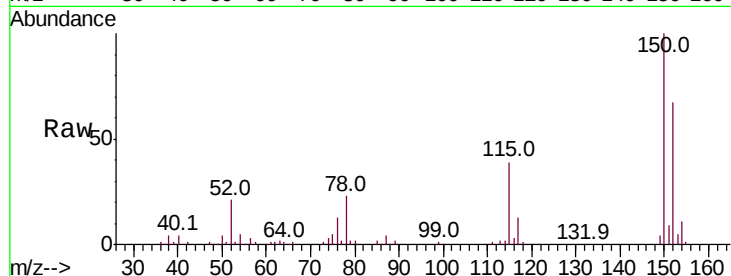
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Instrument :
BNA_F
ClientSampleId :
WALL-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	122.7	184.1
115	59.0	49.1	73.7

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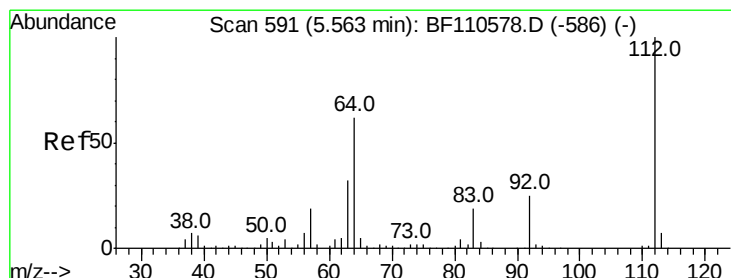
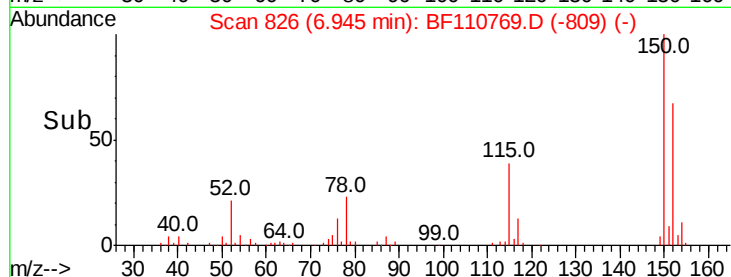
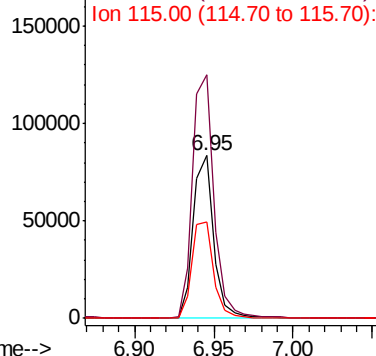


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

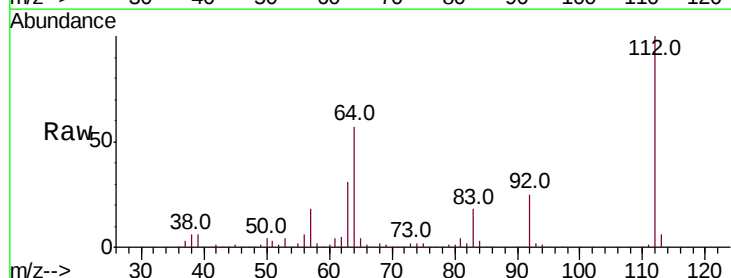
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 117.499 ng
RT: 5.57 min Scan# 592
Delta R.T. 0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.1	66.1
63	30.6	23.7	35.5

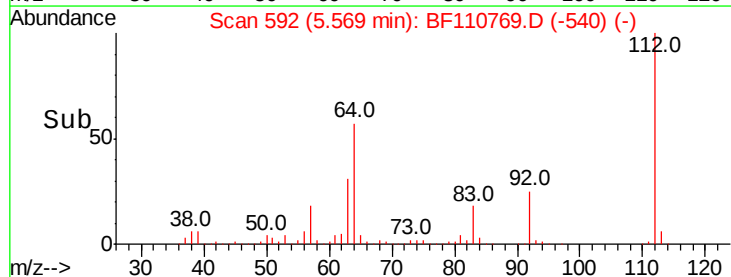
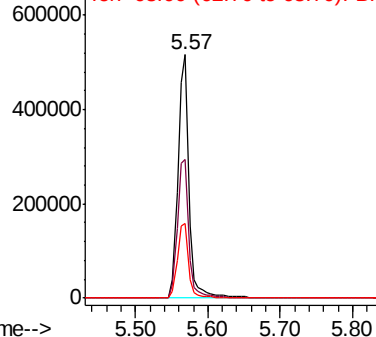


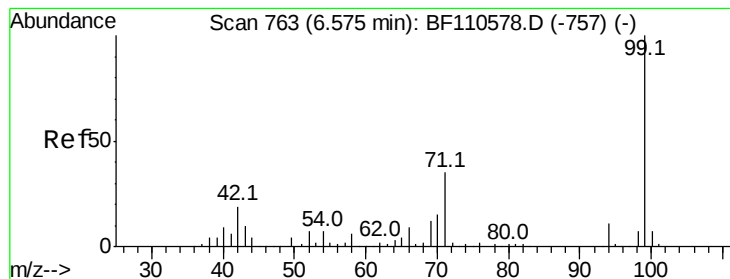
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 117.406 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.00 min

Lab File: BF110769.D

Acq: 14 Nov 2018 17:28

Instrument :

BNA_F

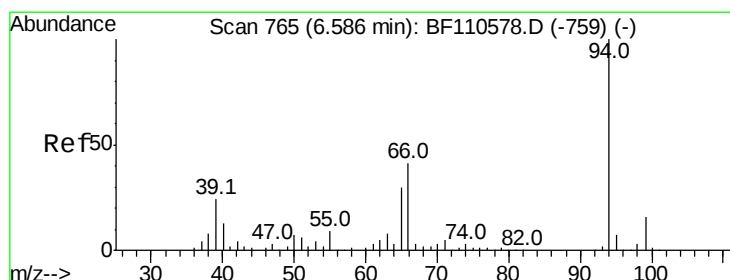
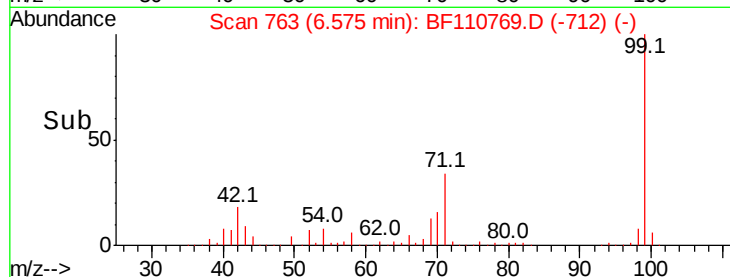
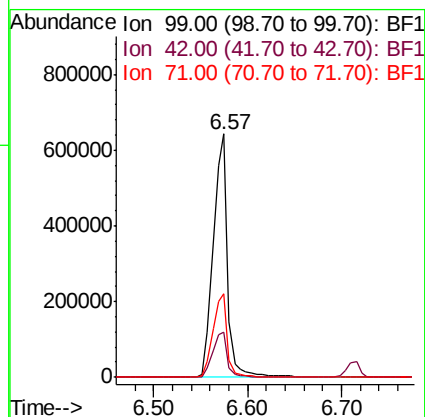
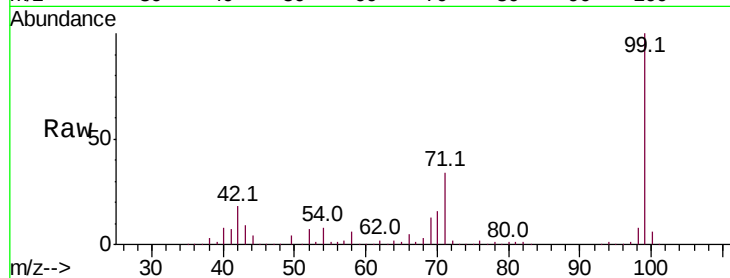
ClientSampleId :

WALL-A

Tot Ion:	99	Resp:	696074
Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.8	23.6
71	34.2	28.0	42.0

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#10

Phenol

Concen: 5.929 ng

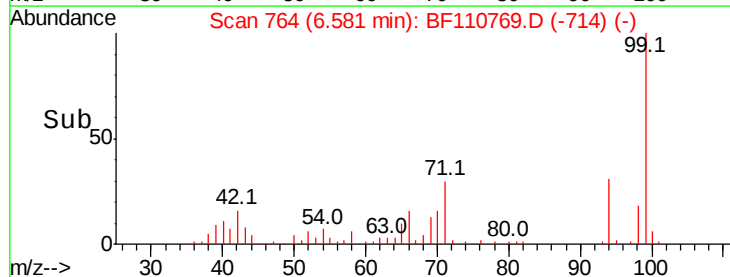
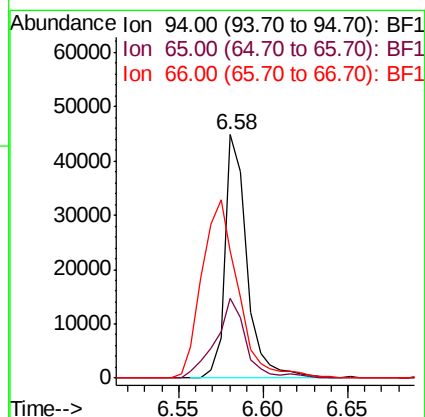
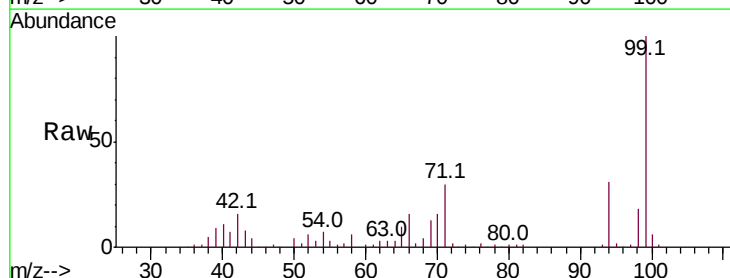
RT: 6.58 min Scan# 764

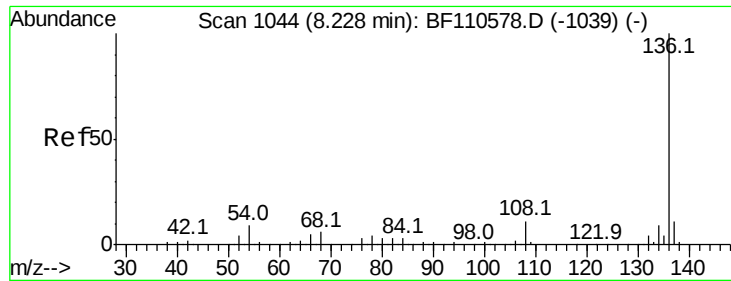
Delta R.T. -0.01 min

Lab File: BF110769.D

Acq: 14 Nov 2018 17:28

Tgt Ion:	94	Resp:	40757
Ion	Ratio	Lower	Upper
94	100		
65	32.9	25.3	65.3
66	52.2	54.5	94.5#





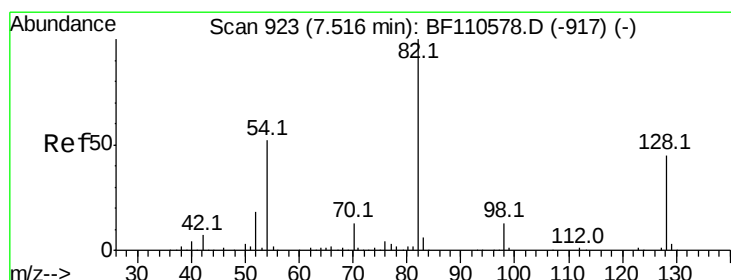
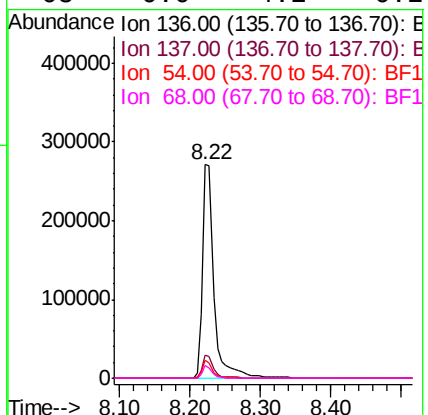
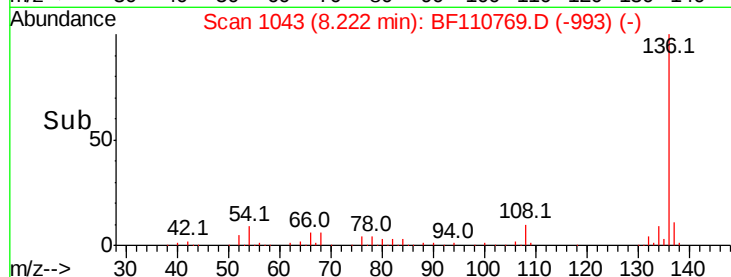
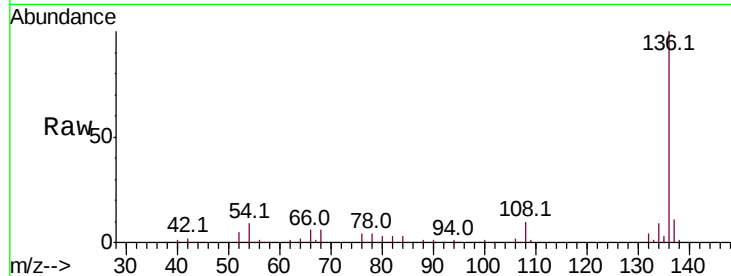
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Instrument :
BNA_F
ClientSampleId :
WALL-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.8	13.2	
54	8.7	5.4	8.2#	
68	6.0	4.2	6.2	

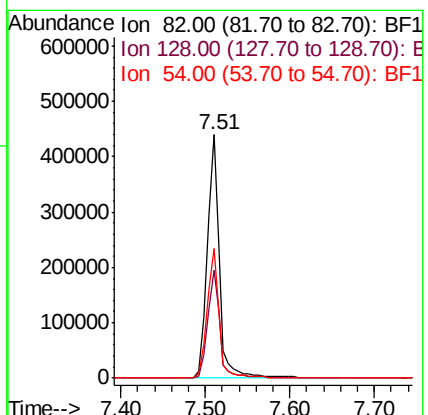
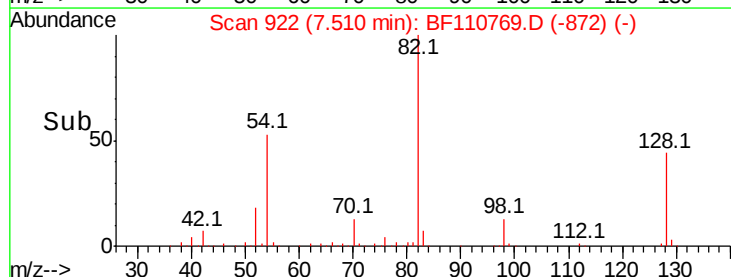
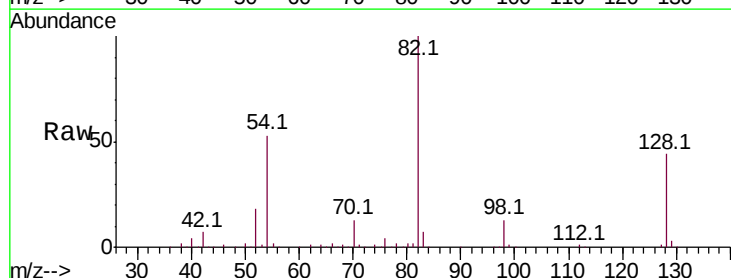
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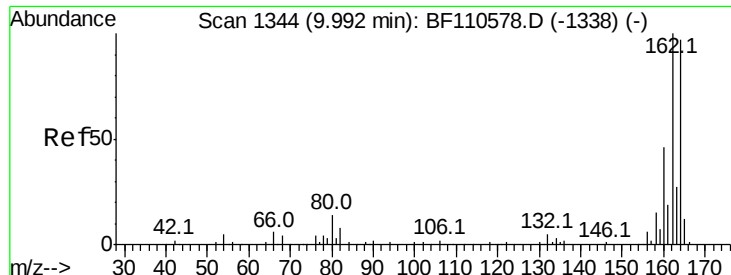
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#23
Nitrobenzene-d5
Concen: 81.195 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.3	34.2	51.2	
54	53.1	38.6	58.0	





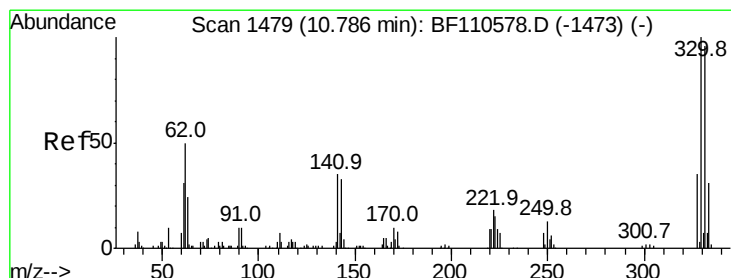
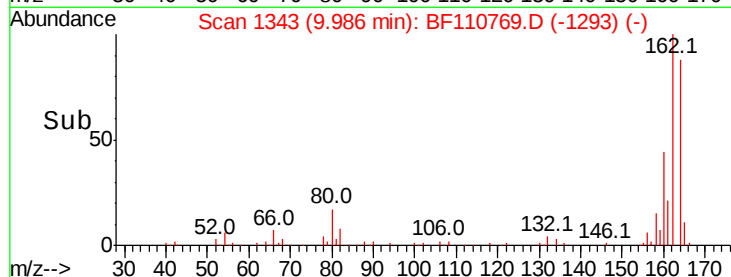
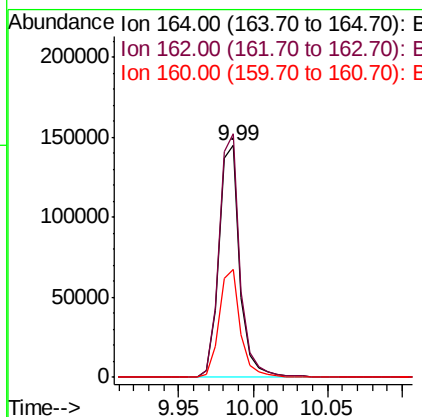
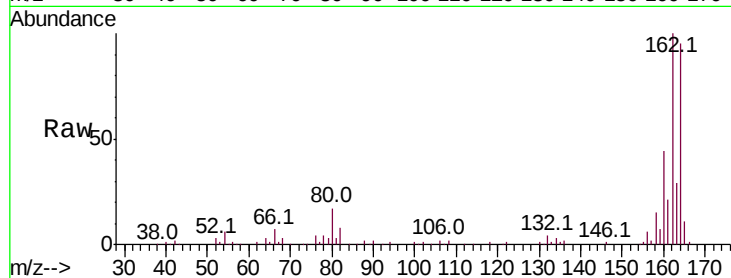
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Instrument :
BNA_F
ClientSampleId :
WALL-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.2	83.0	124.6	
160	46.7	37.0	55.6	

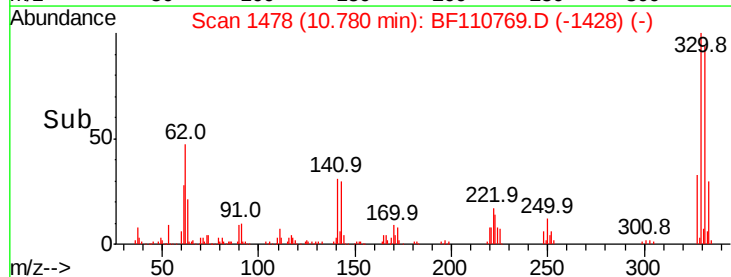
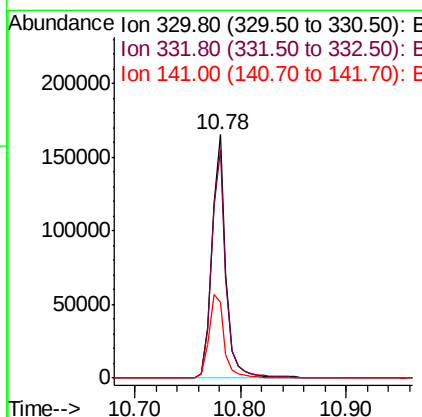
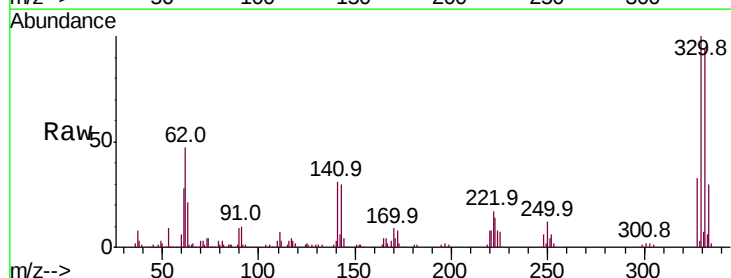
Manual Integrations
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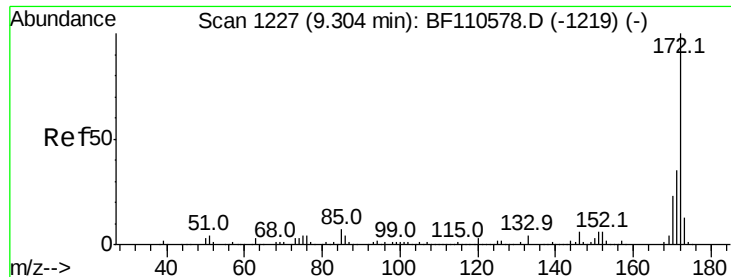
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#42
2,4,6-Tribromophenol
Concen: 106.446 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.1	115.7	
141	37.7	27.0	40.4	





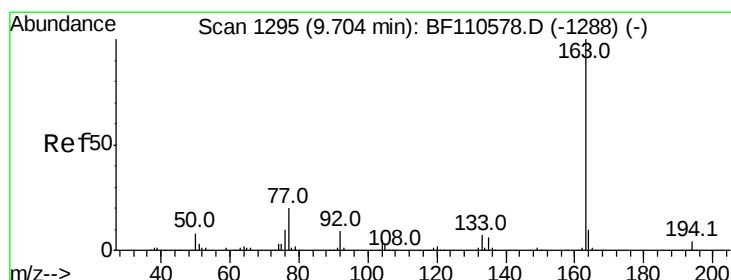
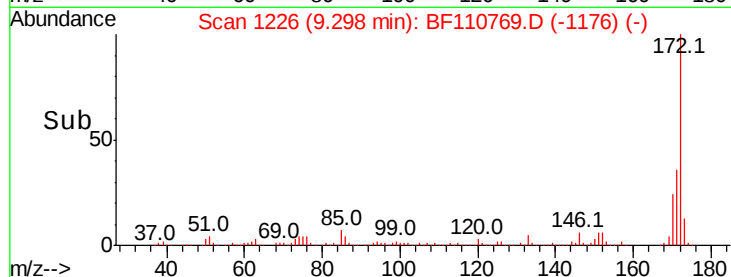
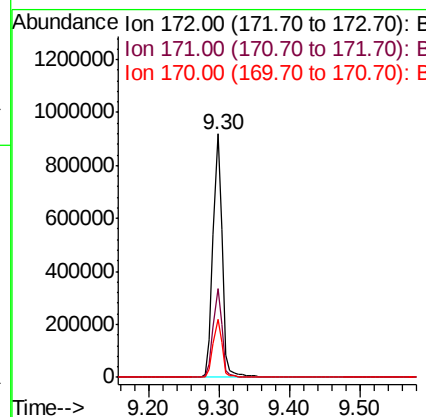
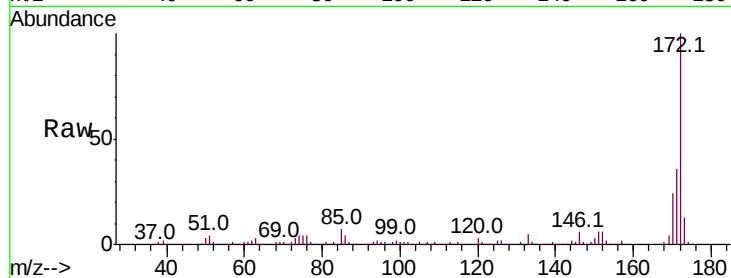
#45
2-Fluorobiphenyl
Concen: 82.868 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Instrument :
BNA_F
ClientSampleId :
WALL-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	43.0
170	23.8	19.7	29.5

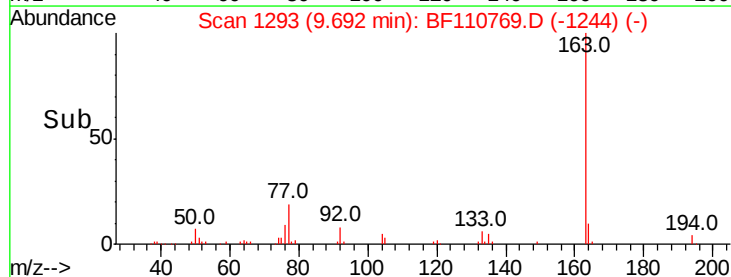
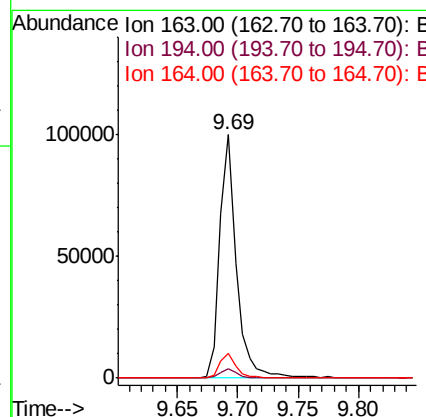
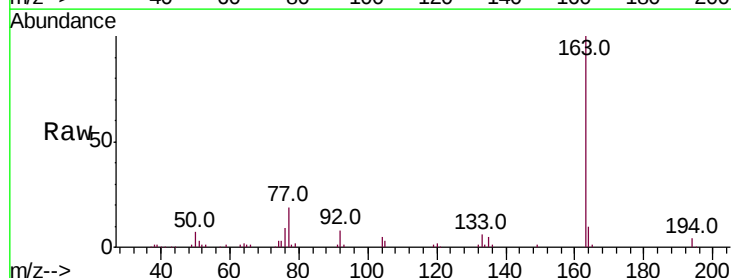
Manual Integrations
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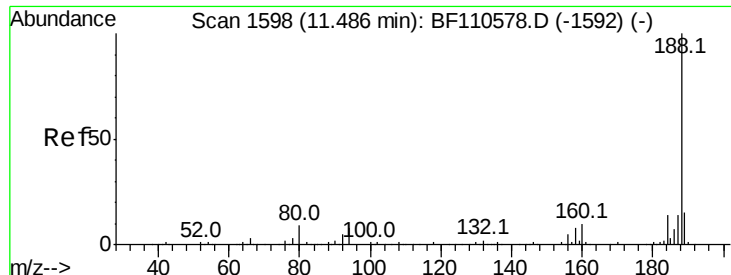
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#50
Dimethylphthalate
Concen: 8.846 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	10.1	8.1	12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF110769.D

Acq: 14 Nov 2018 17:28

Instrument :

BNA_F

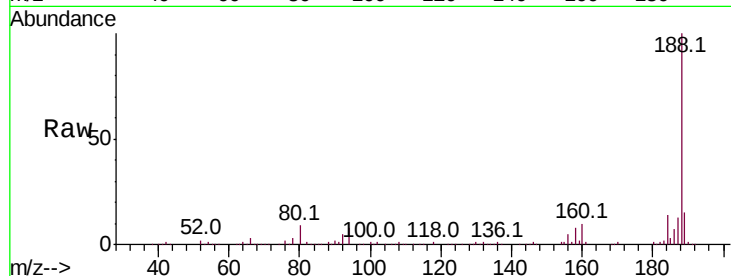
ClientSampleId :

WALL-A

Tot Ion:	188	Resp:	240496
Ion Ratio	Lower	Upper	
188	100		
94	8.5	7.2	10.8
80	8.9	7.9	11.9

Manual Integrations
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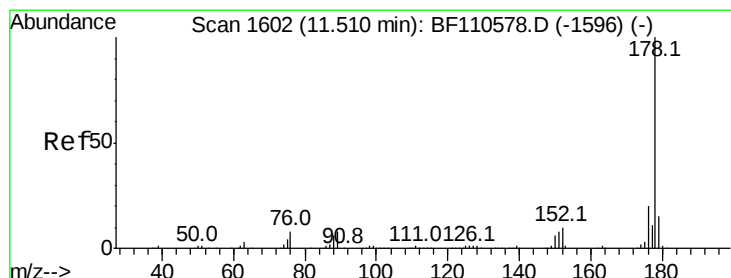
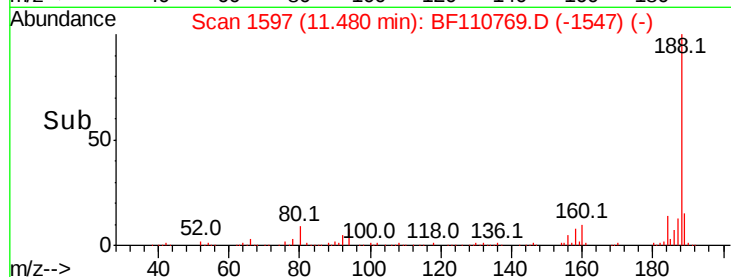
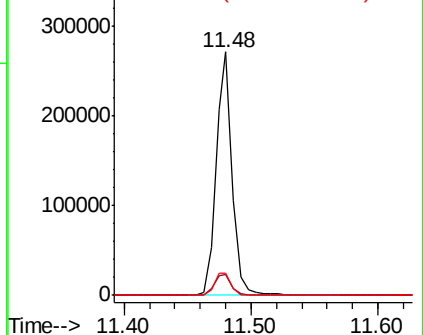
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 10.525 ng

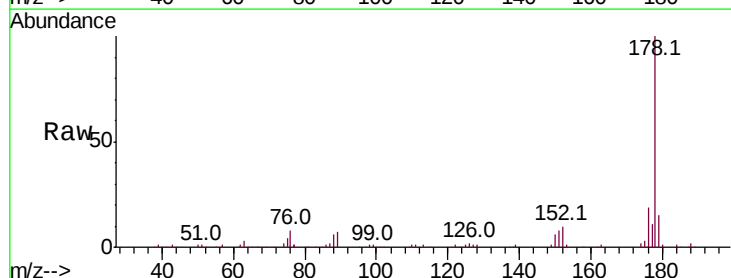
RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF110769.D

Acq: 14 Nov 2018 17:28

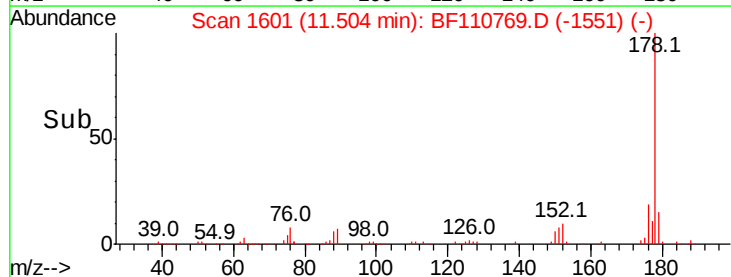
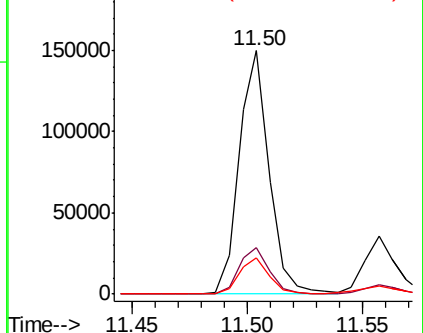
Tgt Ion:	178	Resp:	135613
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.5	23.3
179	15.1	12.5	18.7

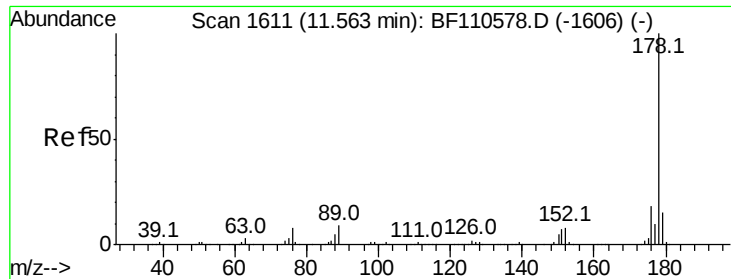


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





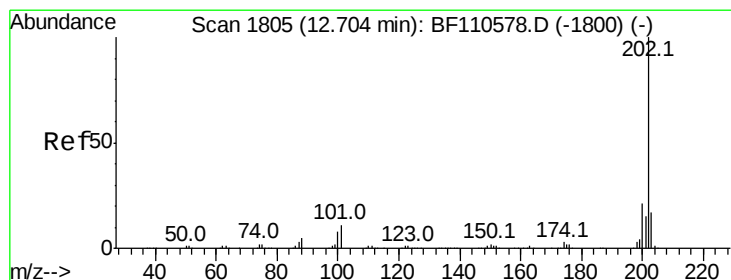
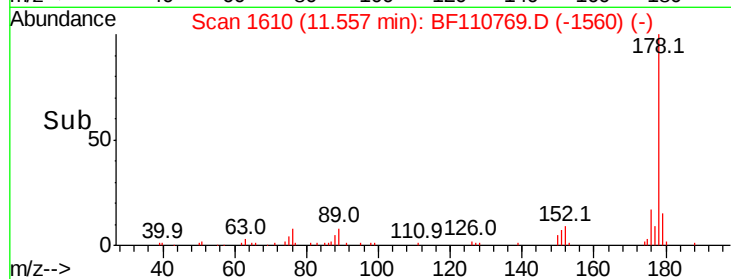
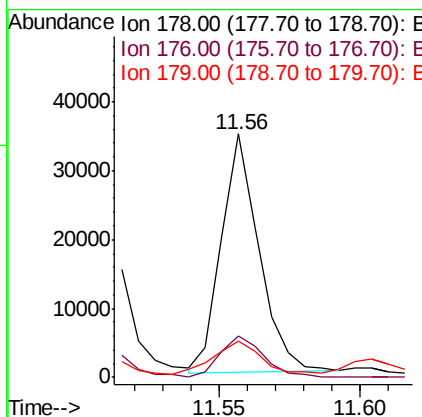
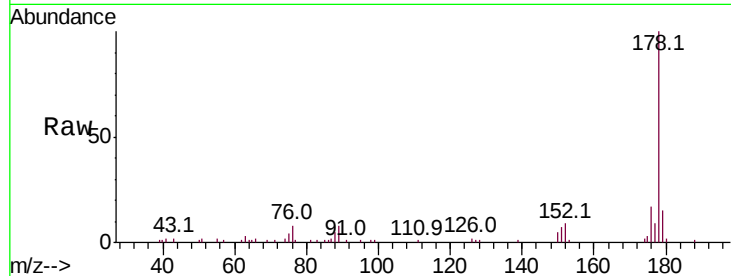
#72
 Anthracene
 Concen: 2.467 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.01 min
 Lab File: BF110769.D
 Acq: 14 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 WALL-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	15.0	12.6	18.8

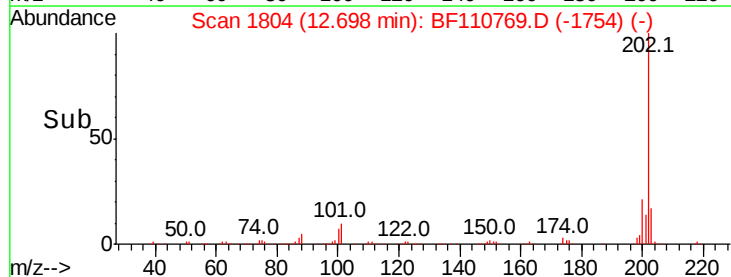
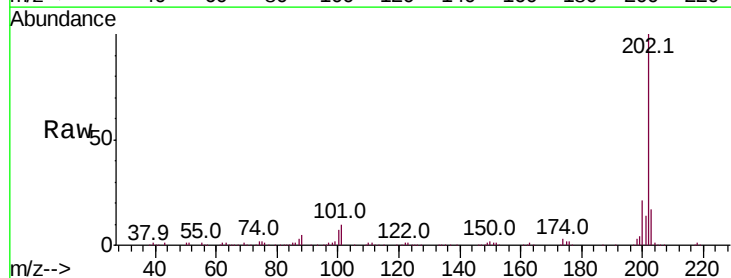
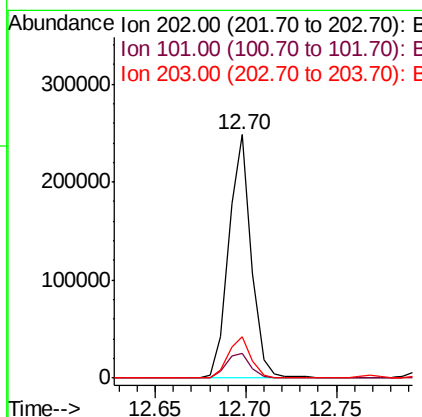
Manual Integrations
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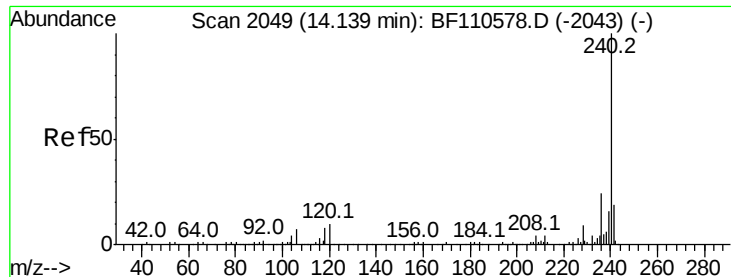
Sohil
 11/15/2018 10:59:29 AM



#75
 Fluoranthene
 Concen: 16.634 ng
 RT: 12.70 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF110769.D
 Acq: 14 Nov 2018 17:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.4
203	17.2	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.13 min Scan# 2047

Delta R.T. -0.01 min

Lab File: BF110769.D

Acq: 14 Nov 2018 17:28

Instrument :

BNA_F

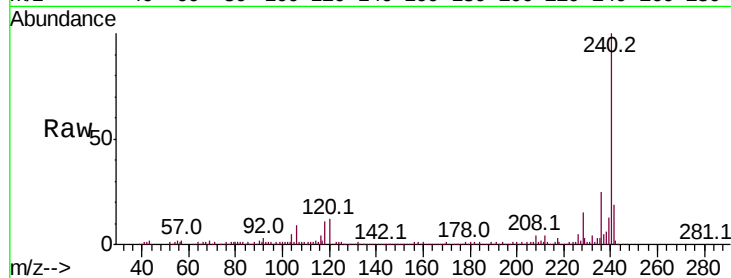
ClientSampleId :

WALL-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.3	12.5
236	24.8	21.2	31.8

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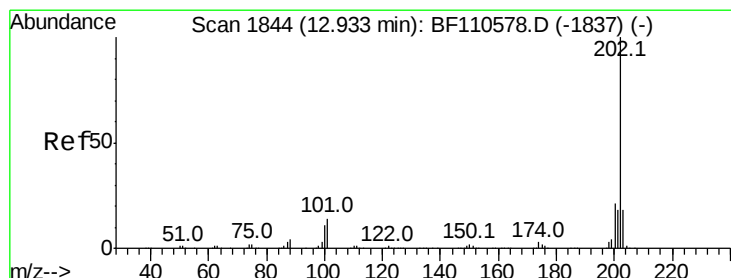
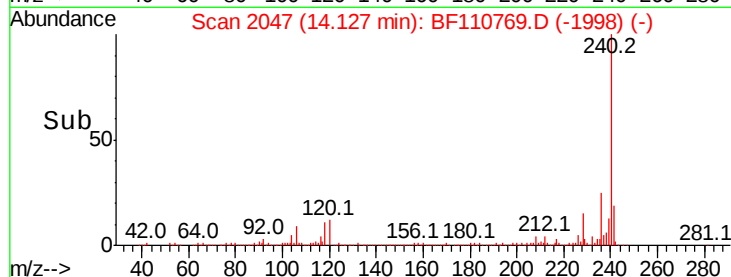
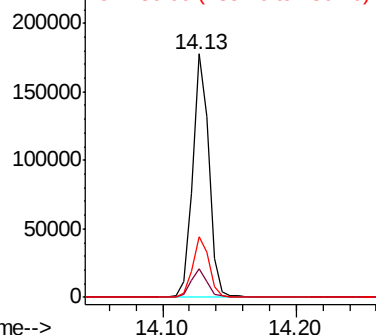


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 15.690 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF110769.D

Acq: 14 Nov 2018 17:28

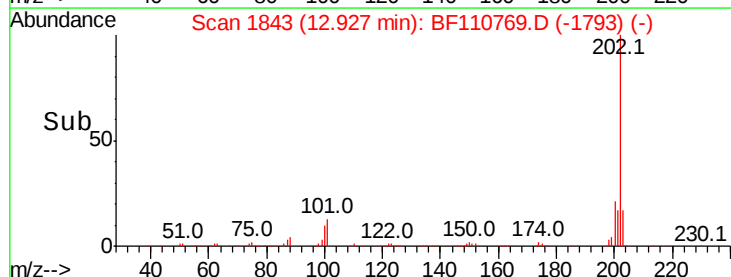
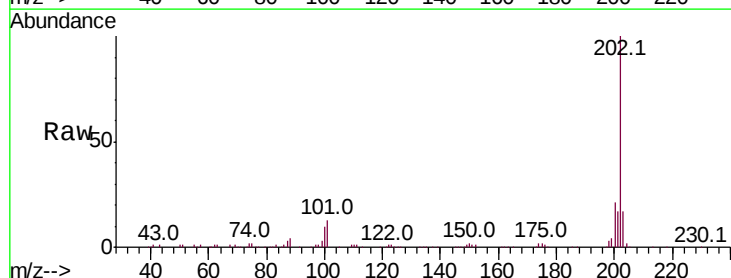
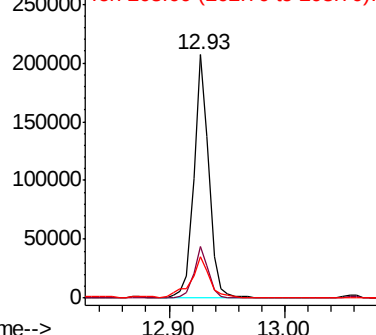
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.6
203	17.1	14.2	21.4

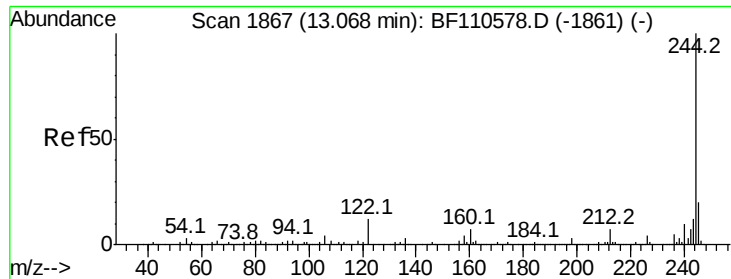
Abundance

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





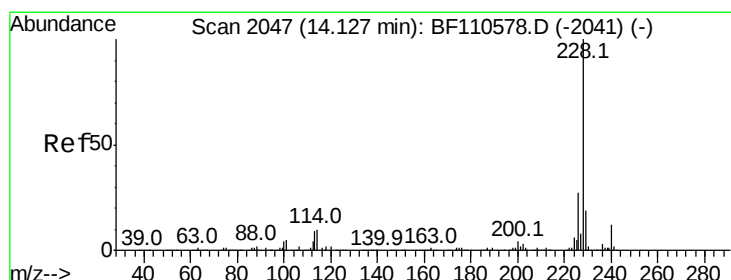
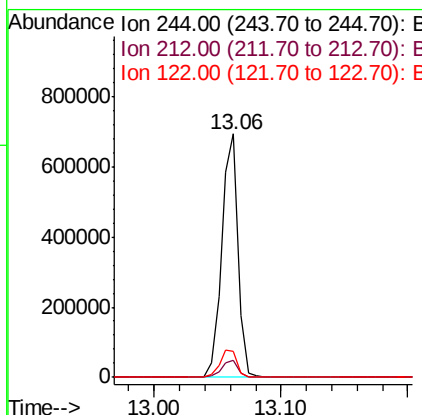
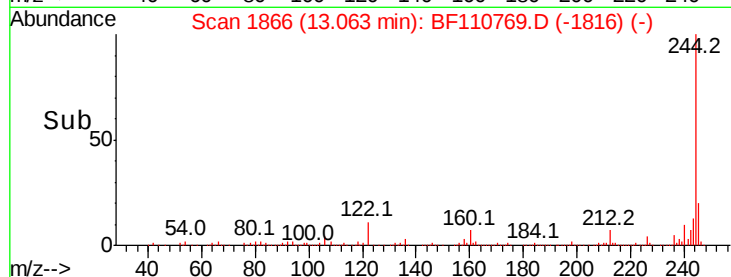
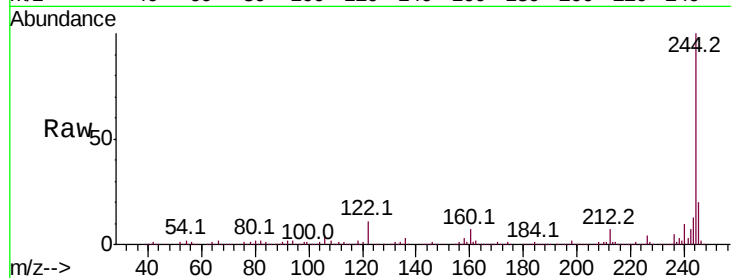
#79
 Terphenyl-d14
 Concen: 75.074 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF110769.D
 Acq: 14 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 WALL-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.6	8.7	13.1

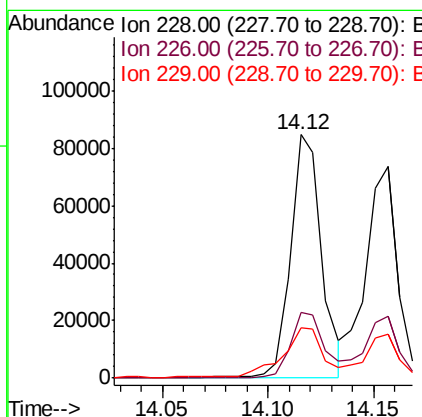
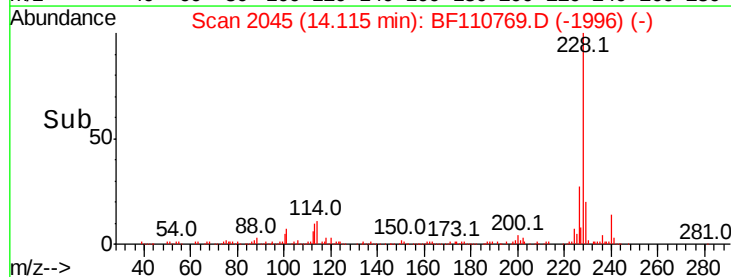
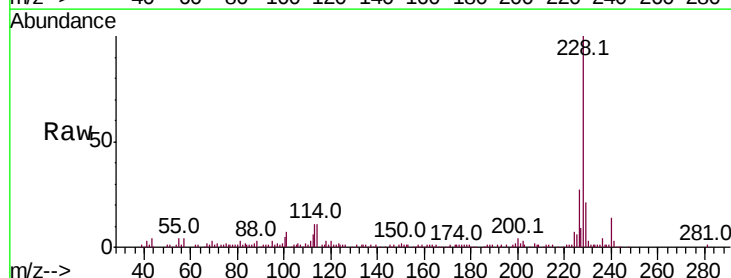
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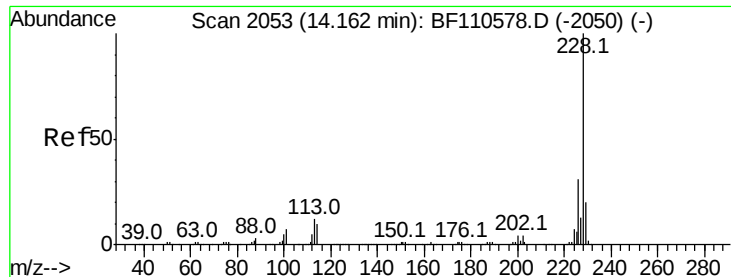
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#81
 Benzo(a)anthracene
 Concen: 9.421 ng
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.01 min
 Lab File: BF110769.D
 Acq: 14 Nov 2018 17:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	20.5	15.6	23.4





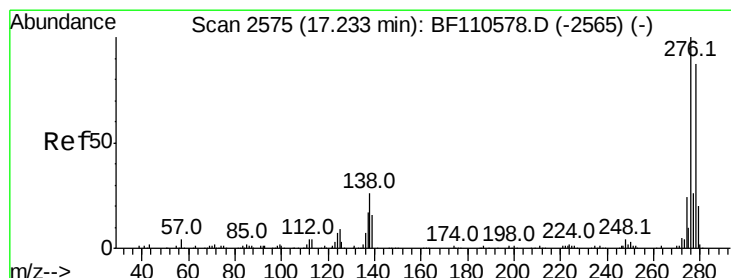
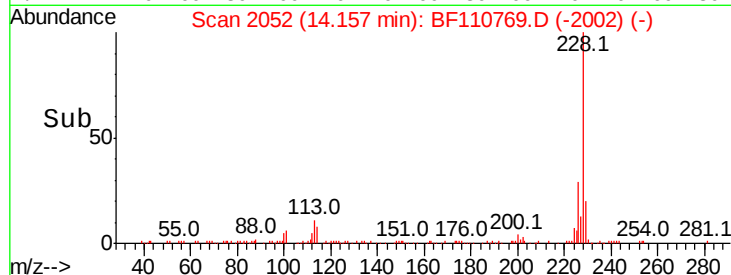
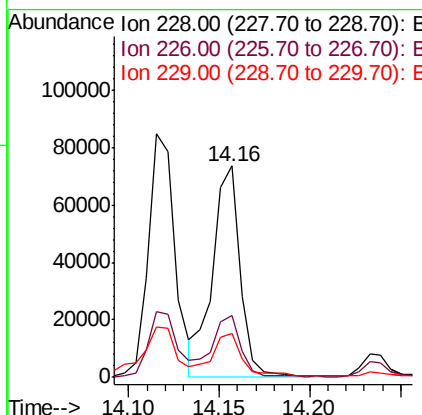
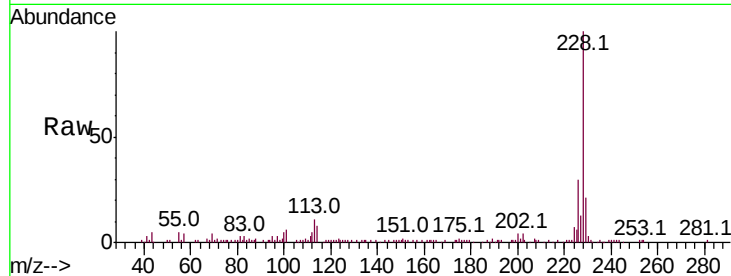
#83
Chrysene
Concen: 8.891 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Instrument :
BNA_F
ClientSampleId :
WALL-A

Tot Ion:	228	Resp:	78181
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.7	37.1
229	20.7	15.9	23.9

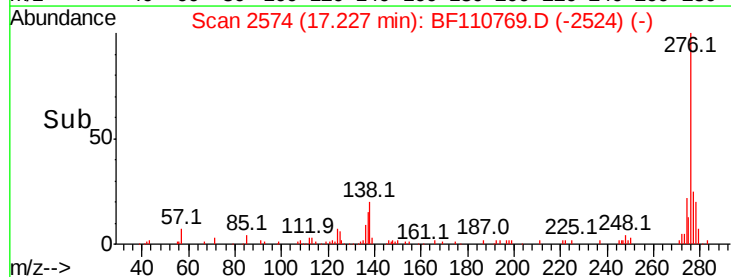
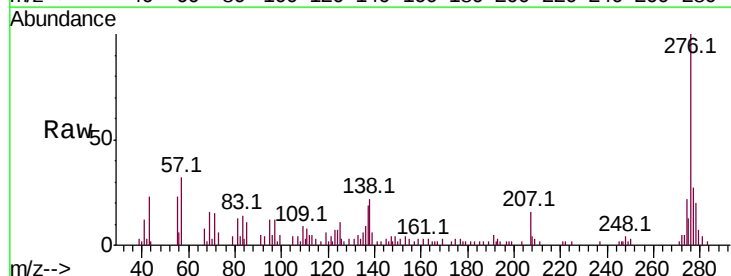
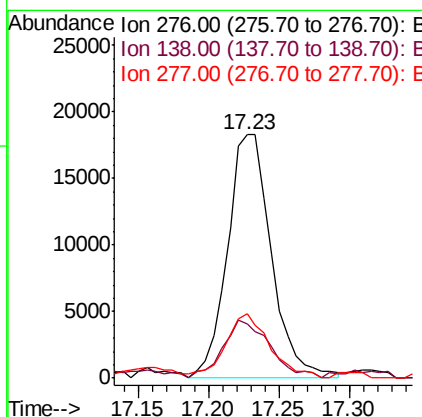
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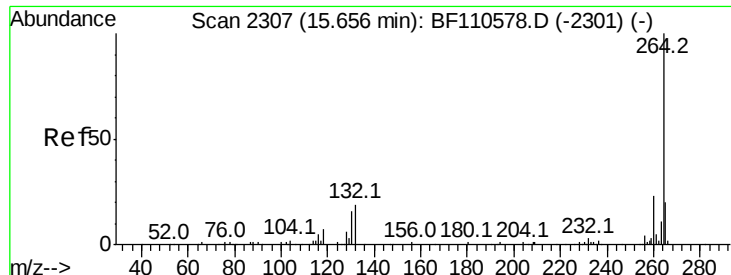
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.316 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Tgt Ion:	276	Resp:	39851
Ion Ratio	Lower	Upper	
276	100		
138	25.3	18.5	27.7
277	26.5	20.0	30.0





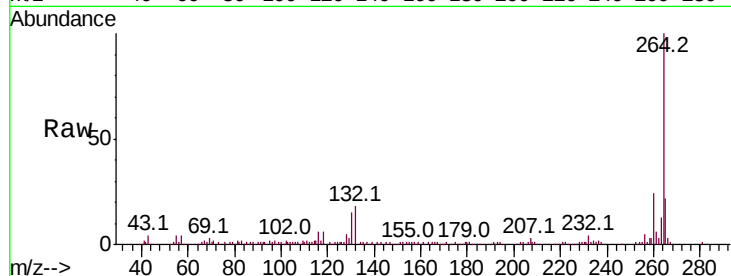
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Instrument :
BNA_F
ClientSampled :
WALL-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.7	16.7	25.1

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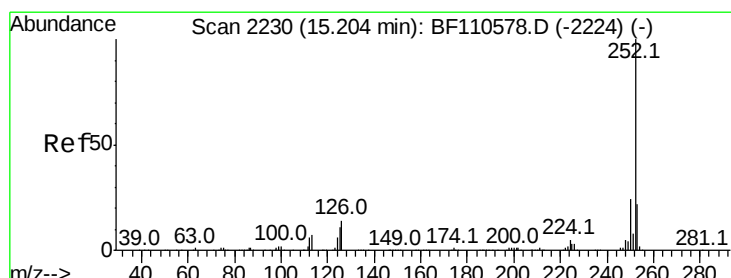
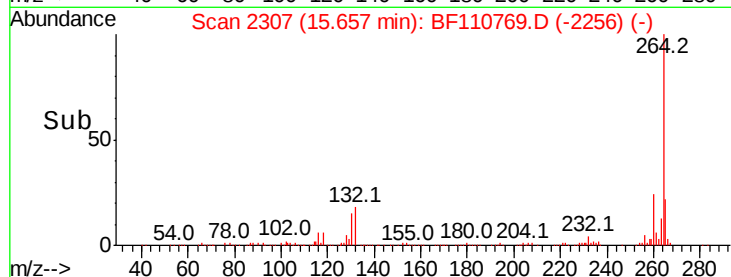
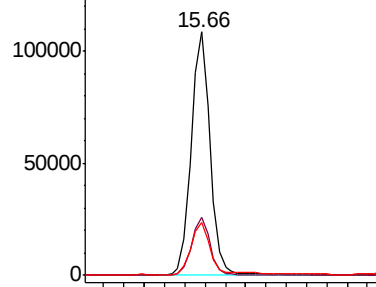


Abundance

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



#88
Benzo(b)fluoranthene
Concen: 12.740 ng m
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

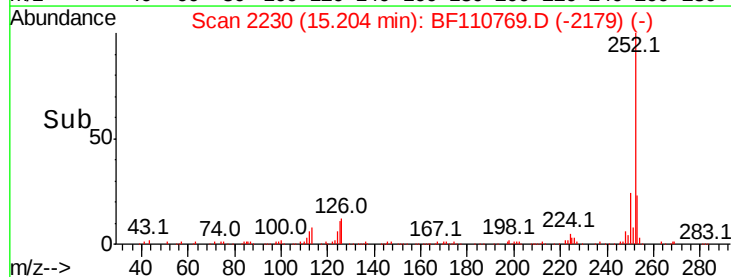
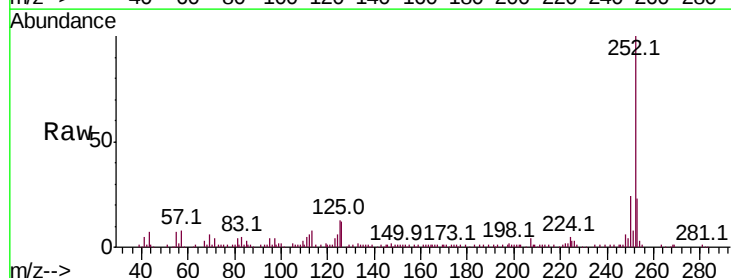
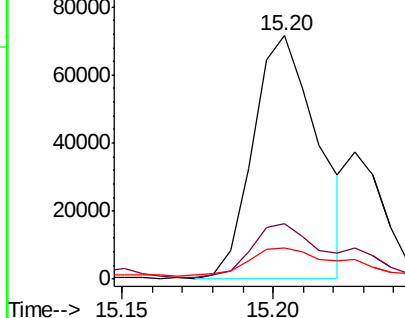
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	12.9	8.2	12.4#

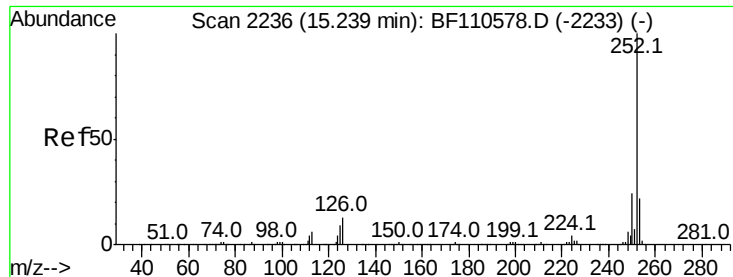
Abundance

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





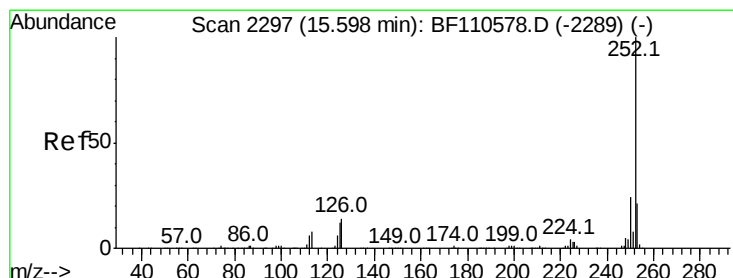
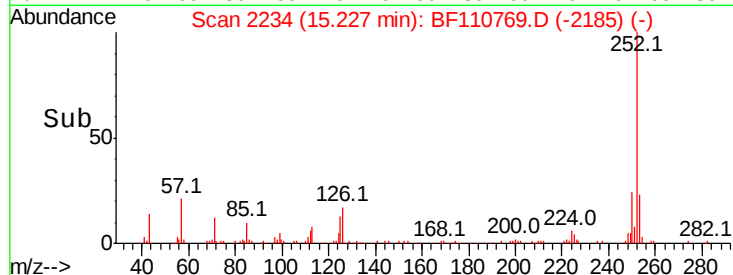
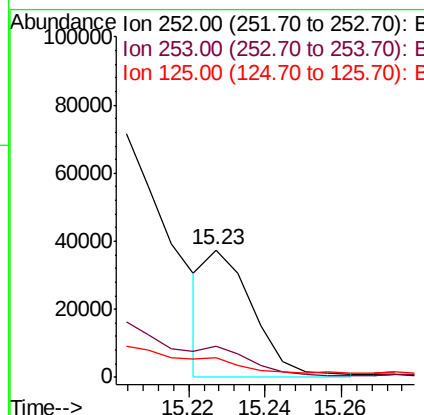
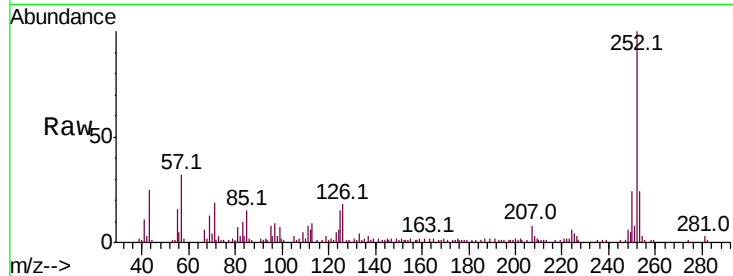
#89
Benzo(k)fluoranthene
Concen: 3.877 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Instrument :
BNA_F
ClientSampleId :
WALL-A

Tot Ion:	252	Resp:	32280
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.2	25.8
125	15.1	7.4	11.0#

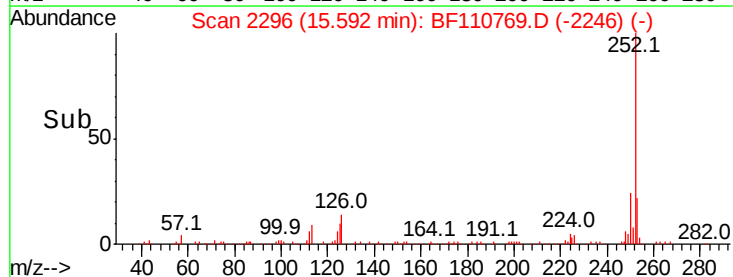
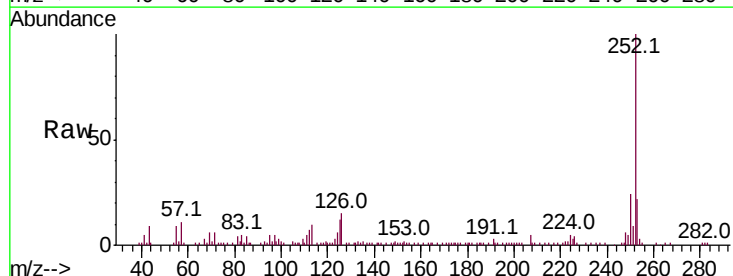
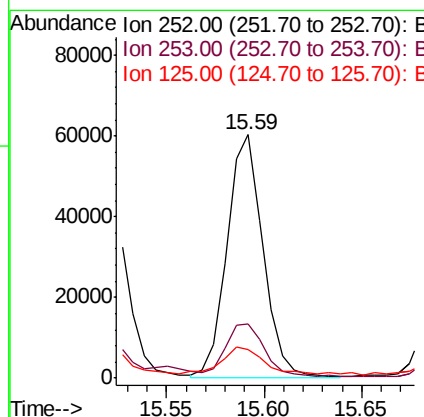
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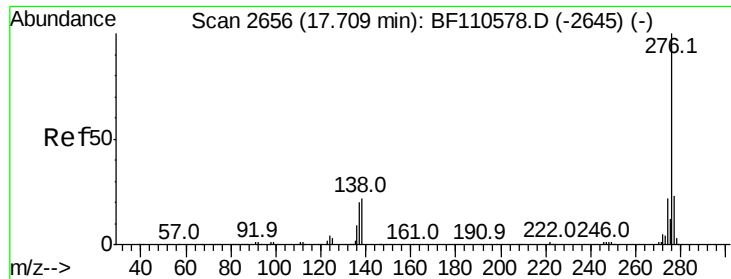
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#90
Benzo(a)pyrene
Concen: 10.140 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110769.D
Acq: 14 Nov 2018 17:28

Tgt Ion:	252	Resp:	77630
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.2	27.4
125	12.0	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 5.444 ng/ml
 RT: 17.71 min Scan# 2656
 Delta R.T. 0.00 min
 Lab File: BF110769.D
 Acq: 14 Nov 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 WALL-A

Tot Ion:	276	Resp:	34991
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.8	28.2
138	26.4	16.0	24.0

Manual Integrations
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Sohil
 11/15/2018 10:59:29 AM

