

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108756.D
 Acq On : 4 Sep 2018 22:11
 Operator : JU/SJ
 Sample : J4748-06 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-11

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:53 PM

Quant Time: Sep 05 11:06:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	50549	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	250391	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	122407	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	262959	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	194001	20.00	ng	-0.01
86) Perylene-d12	15.74	264	141823	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	111	0.04	ng	0.05
7) Phenol-d6	6.77	99	29461m	7.07	ng	0.12
23) Nitrobenzene-d5	7.64	82	22648m	4.59	ng	0.06
41) 2,4,6-Tribromophenol	10.84	330	9305	5.76	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	46320	5.09	ng	-0.01
78) Terphenyl-d14	13.11	244	59681	5.98	ng	-0.02
Target Compounds						
70) Phenanthrene	11.55	178	137300	10.344	ng	Qvalue 97
71) Anthracene	11.62	178	36208m	2.596	ng	
72) Carbazole	11.79	167	51025	3.784	ng	97
74) Fluoranthene	12.75	202	785707	52.590	ng	93
77) Pyrene	12.98	202	586564	40.221	ng	99
80) Benzo(a)anthracene	14.18	228	210127	17.767	ng	98
82) Chrysene	14.21	228	384783m	33.831	ng	
83) Bis(2-ethylhexyl)phthalate	14.12	149	39371	4.995	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.35	276	158870	20.089	ng	# 83
87) Benzo(b)fluoranthene	15.28	252	363146m	41.683	ng	
88) Benzo(k)fluoranthene	15.30	252	133785m	15.502	ng	
89) Benzo(a)pyrene	15.68	252	189051	24.012	ng	97
90) Dibenzo(a,h)anthracene	17.36	278	26539m	4.221	ng	
91) Benzo(a,h,i)perylene	17.85	276	165619	27.100	ng	# 89

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

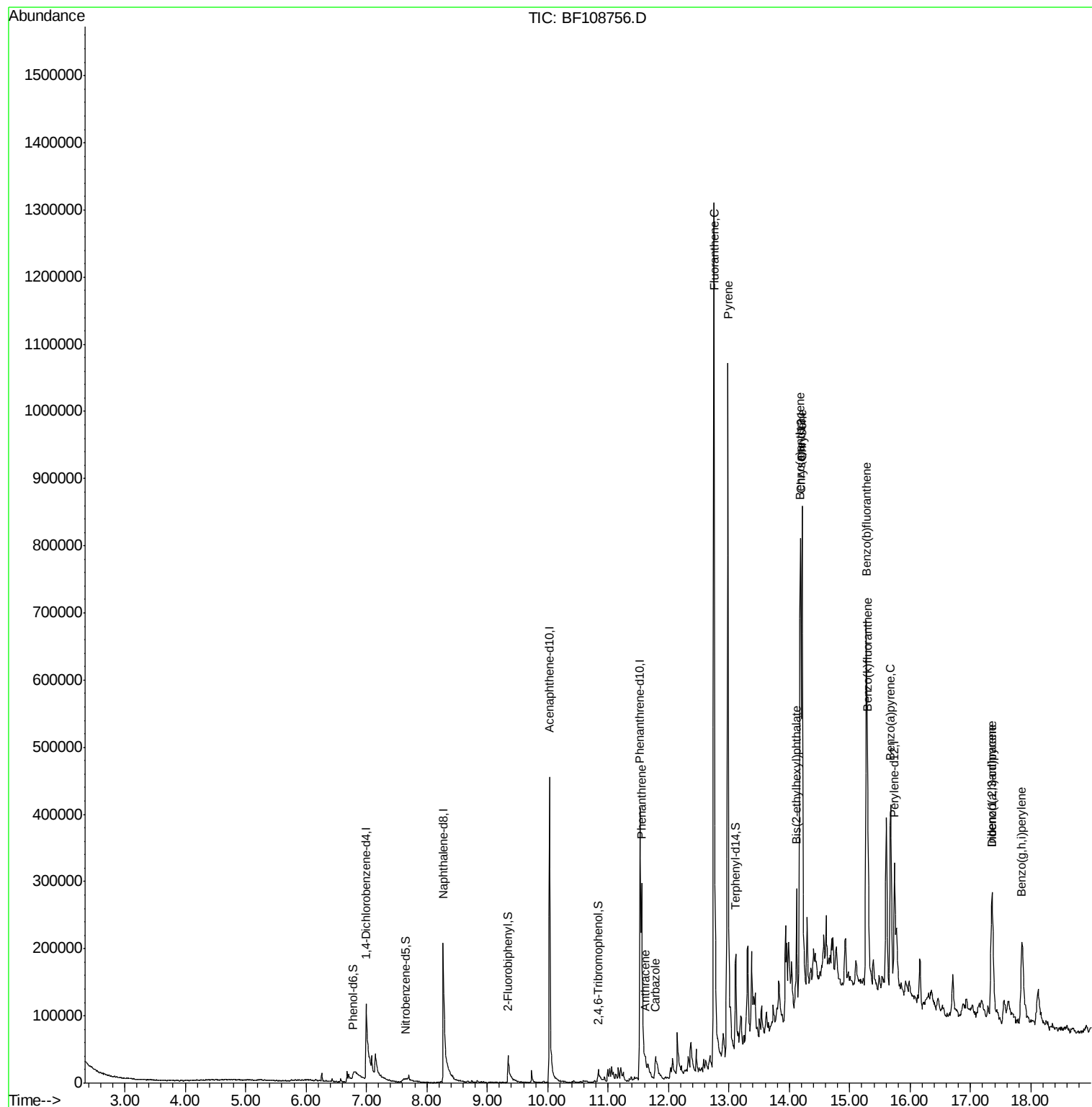
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
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#1

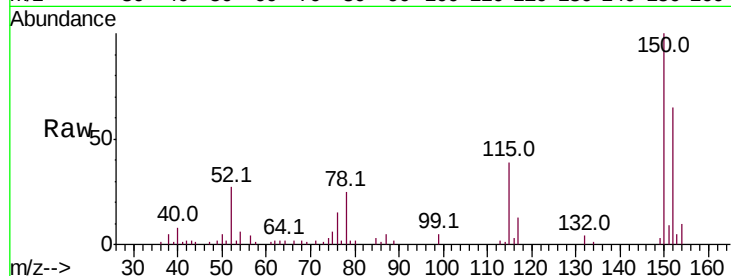
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampled :
DW-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	59.4	50.1	75.1

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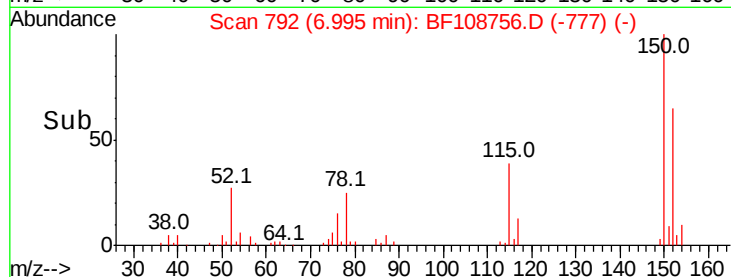
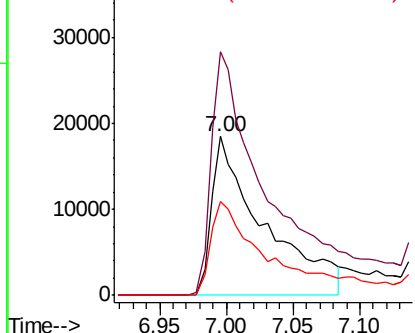


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

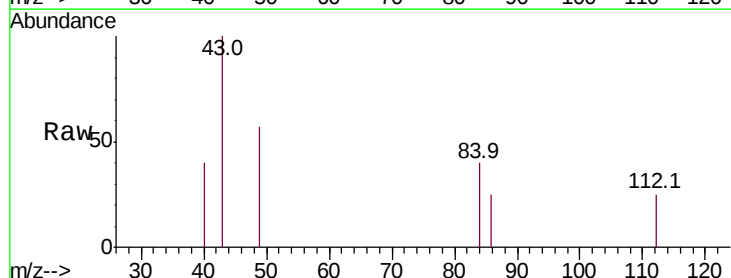
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 0.038 ng
RT: 5.70 min Scan# 572
Delta R.T. 0.05 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#

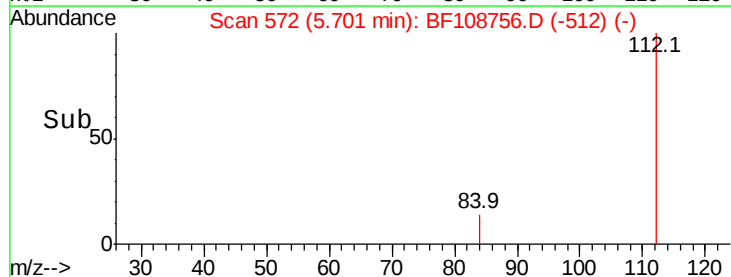
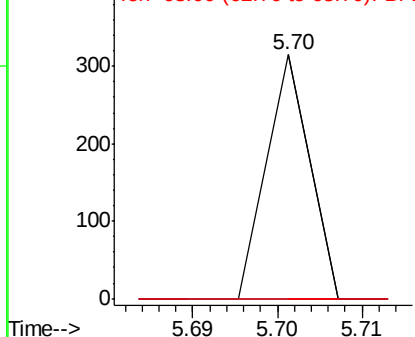


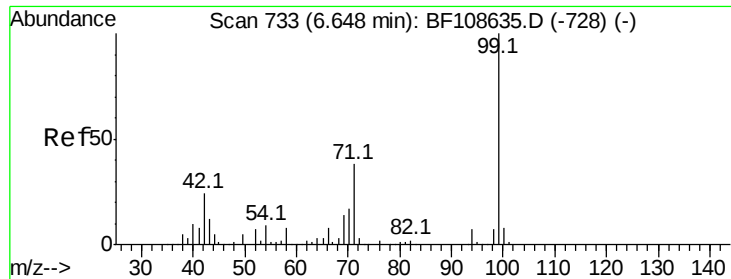
Abundance

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

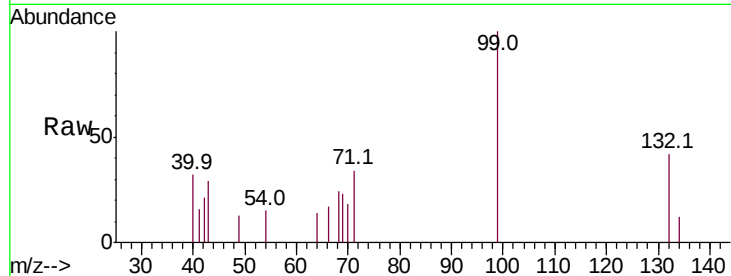
Concen: 7.069 ng/ml
 RT: 6.77 min Scan# 754
 Delta R.T. 0.12 min
 Lab File: BF108756.D
 Acq: 4 Sep 2018 22:11

Instrument :
 BNA_F
 ClientSampled :
 DW-11

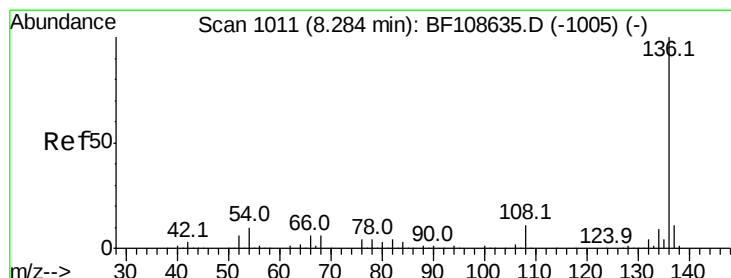
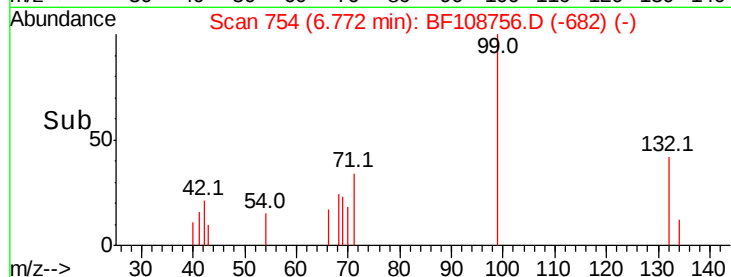
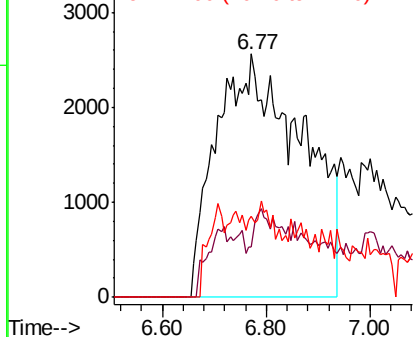
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		29461		
42	20.9	14.5	21.7		
71	33.5	25.4	38.0		

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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



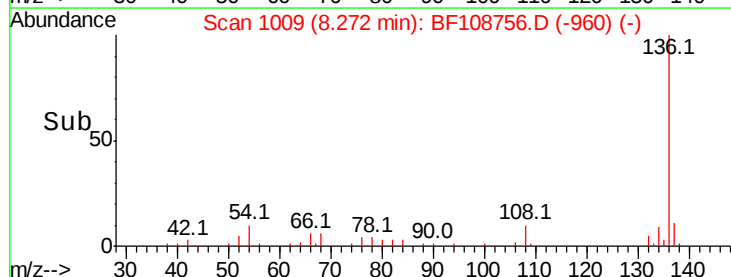
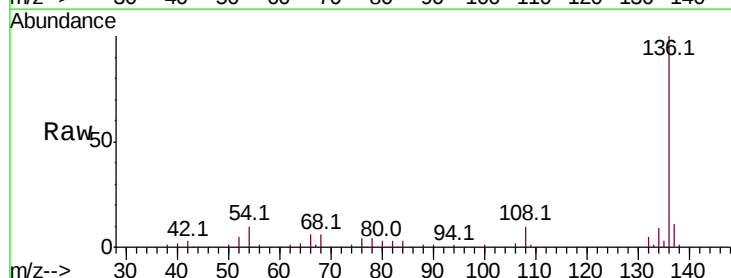
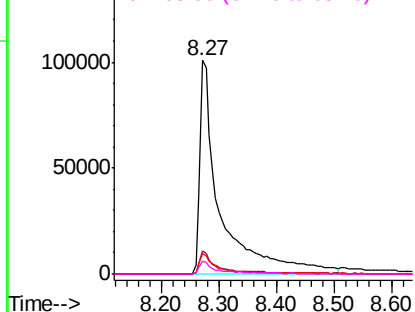
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.27 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF108756.D
 Acq: 4 Sep 2018 22:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		250391		
137	11.1	8.9	13.3		
54	9.7	6.6	9.8		
68	6.1	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





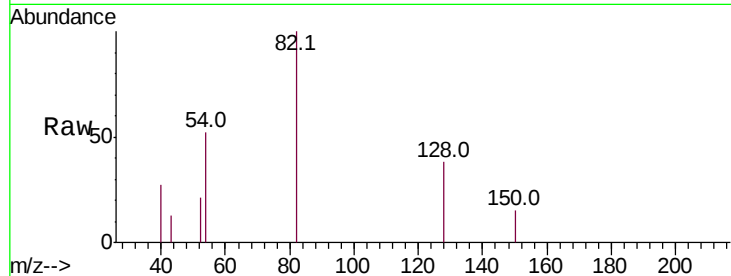
#23
Nitrobenzene-d5
Concen: 4.591 ng m
RT: 7.64 min Scan# 901
Delta R.T. 0.06 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :
DW-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.1	36.1	54.1
54	52.1	41.4	62.2

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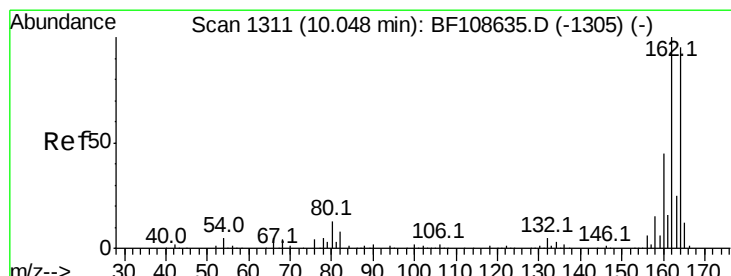
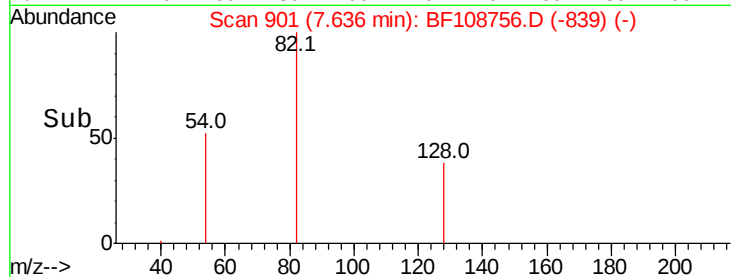
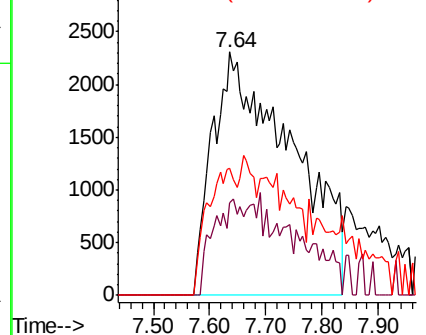


Abundance

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: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

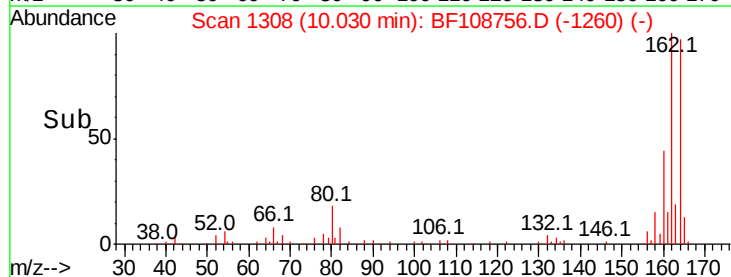
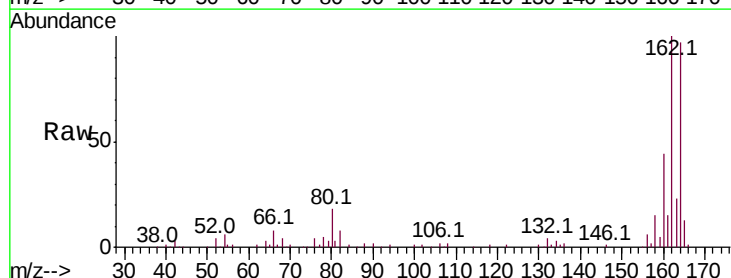
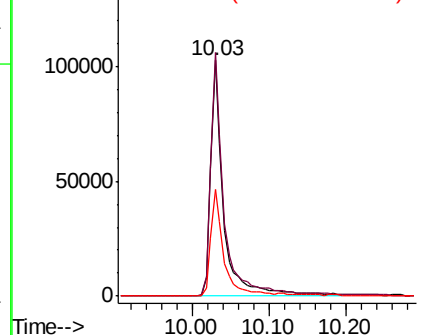
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	86.1	129.1
160	45.2	38.3	57.5

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





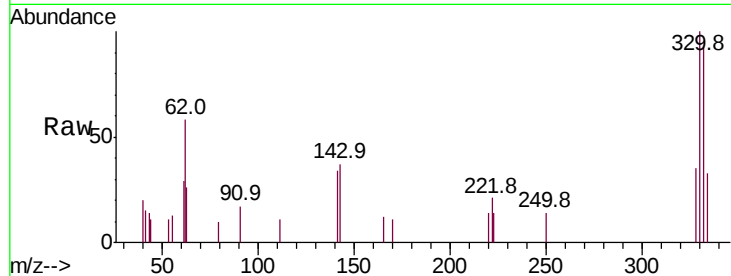
#41
 2,4,6-Tribromophenol
 Concen: 5.758 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108756.D
 Acq: 4 Sep 2018 22:11

Instrument :
 BNA_F
 ClientSampled :
 DW-11

Tot Ion	Ratio	Lower	Upper
330	100		
332	89.5	77.0	115.6
141	26.4	29.9	44.9#

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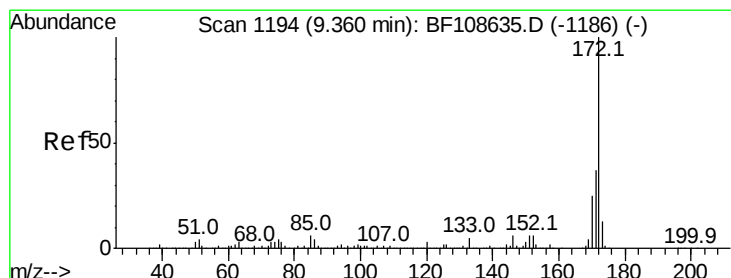
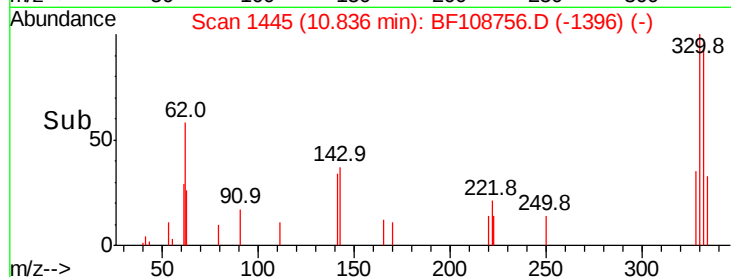
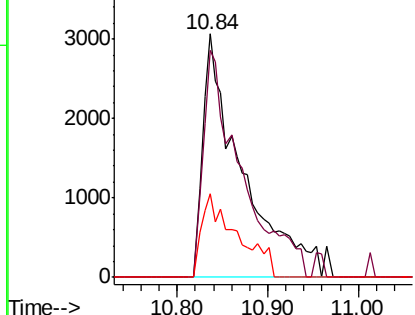


Abundance

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: 5.088 ng
 RT: 9.35 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF108756.D
 Acq: 4 Sep 2018 22:11

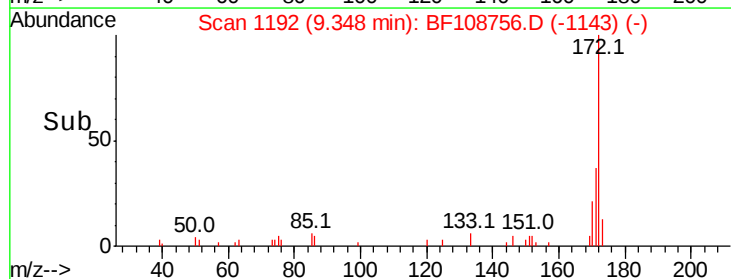
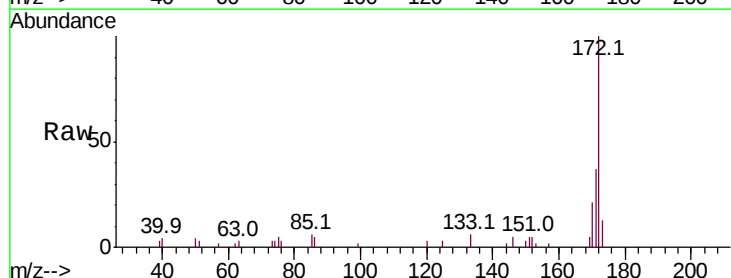
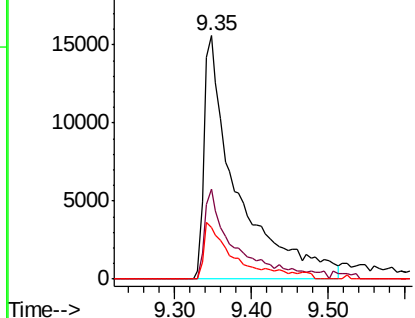
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	21.1	19.6	29.4

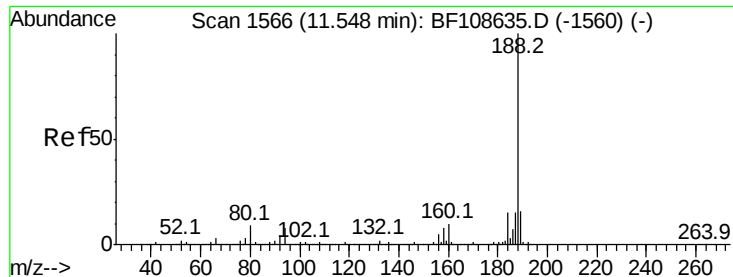
Abundance

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





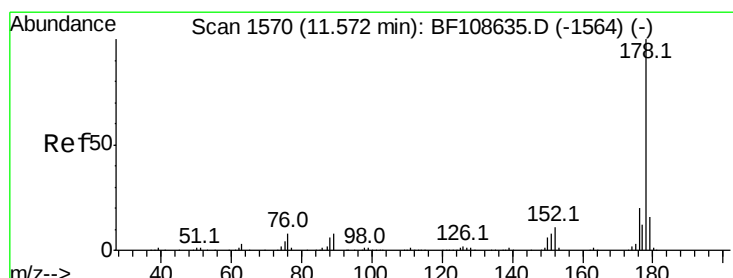
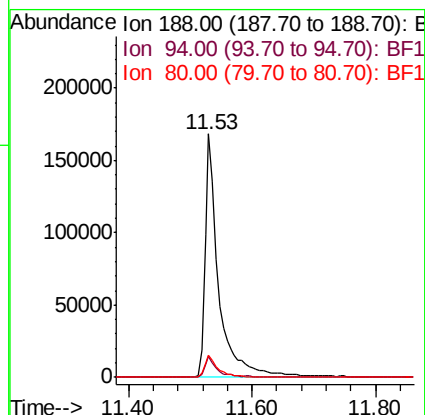
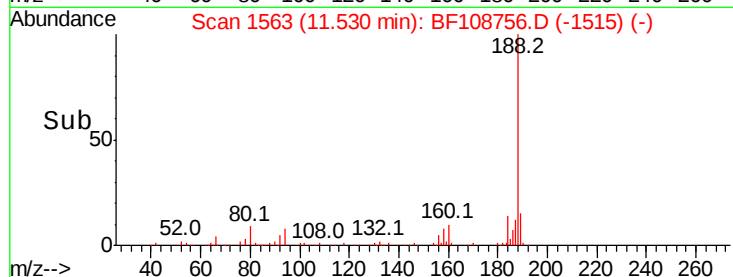
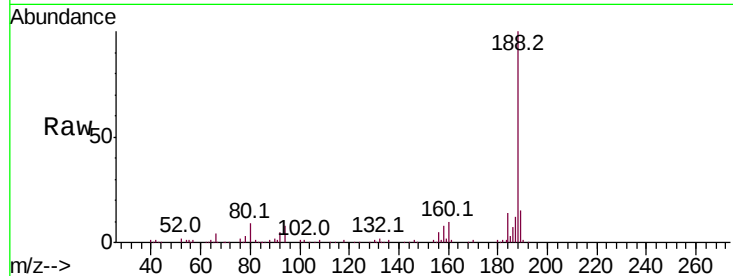
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampled :
DW-11

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.3	9.2	13.8

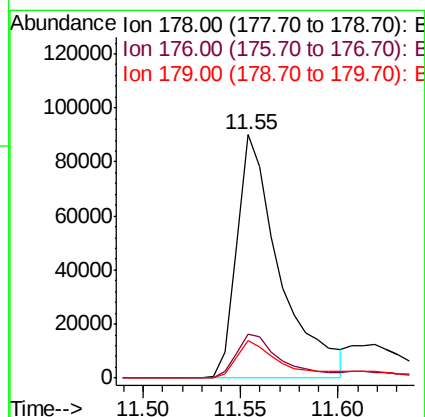
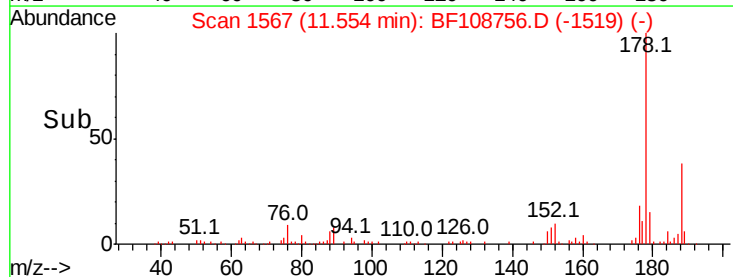
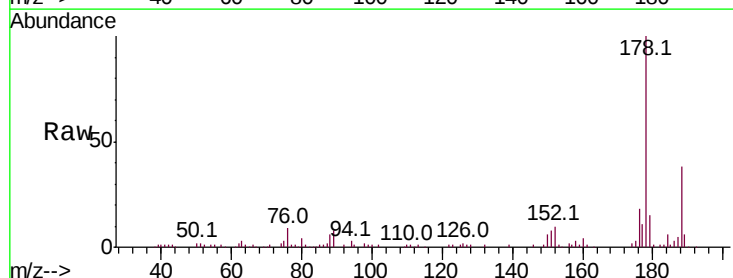
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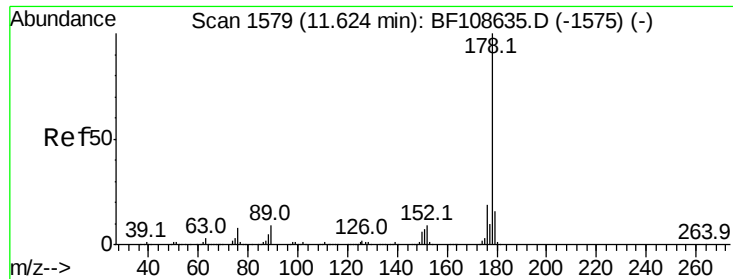
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#70
Phenanthrene
Concen: 10.344 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.2	13.0	19.6





#71

Anthracene

Concen: 2.596 ng/mL

RT: 11.62 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF108756.D

Acq: 4 Sep 2018 22:11

Instrument :

BNA_F

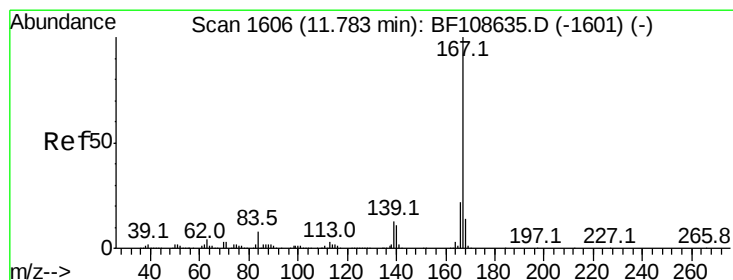
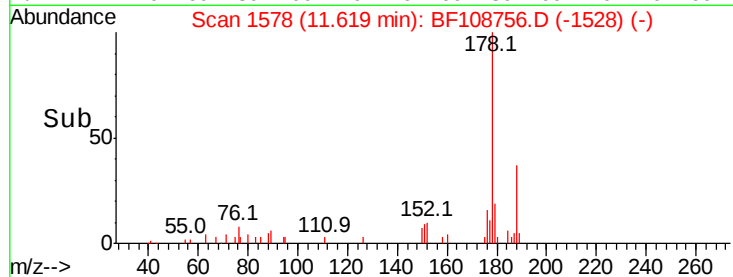
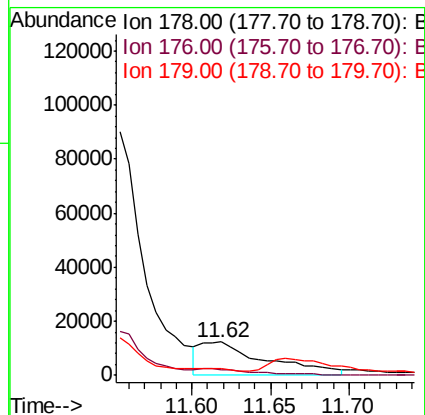
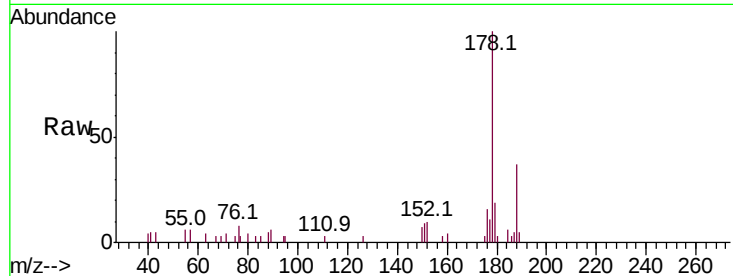
ClientSampleId :

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Tot Ion:	178	Resp:	36208
Ion Ratio	Lower	Upper	
178	100		
176	16.2	15.4	23.2
179	18.7	12.6	19.0

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#72

Carbazole

Concen: 3.784 ng/mL

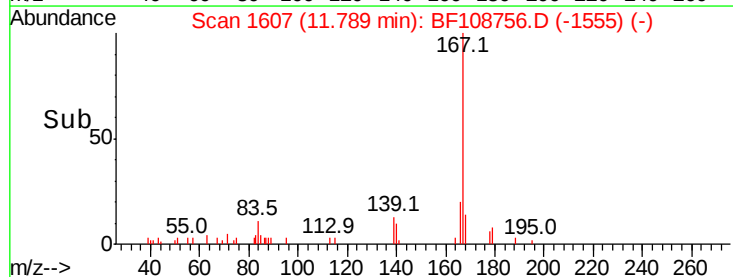
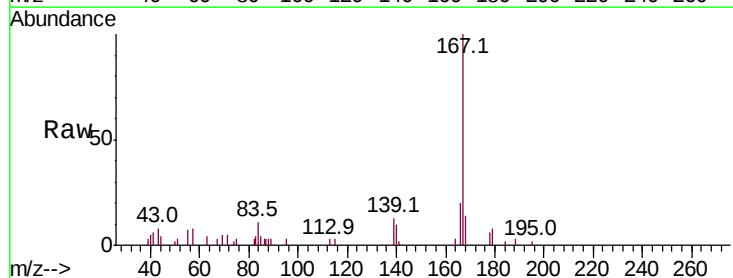
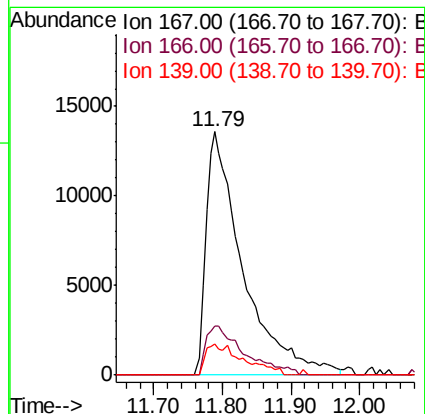
RT: 11.79 min Scan# 1607

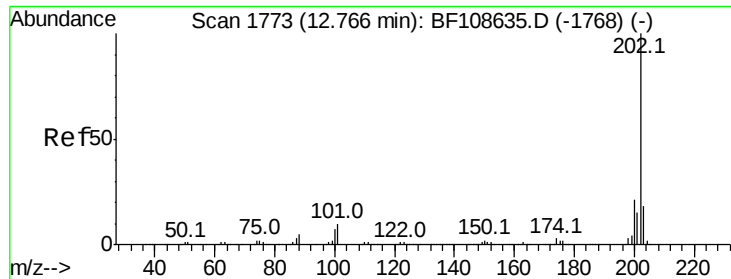
Delta R.T. 0.01 min

Lab File: BF108756.D

Acq: 4 Sep 2018 22:11

Tgt Ion:	167	Resp:	51025
Ion Ratio	Lower	Upper	
167	100		
166	19.9	17.6	26.4
139	13.0	10.9	16.3





#74

Fluoranthene

Concen: 52.590 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108756.D

Acq: 4 Sep 2018 22:11

Instrument :

BNA_F

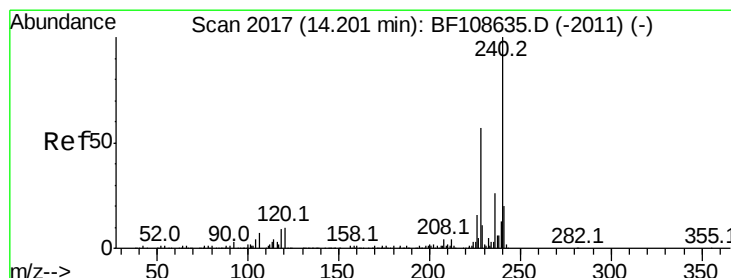
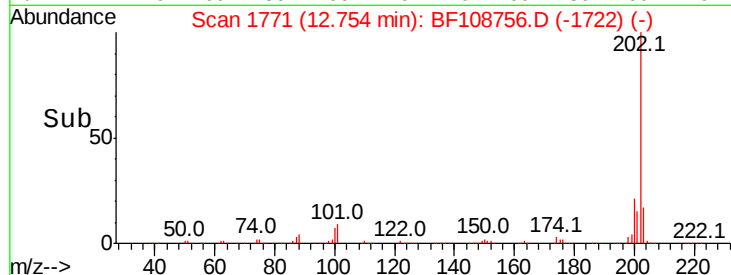
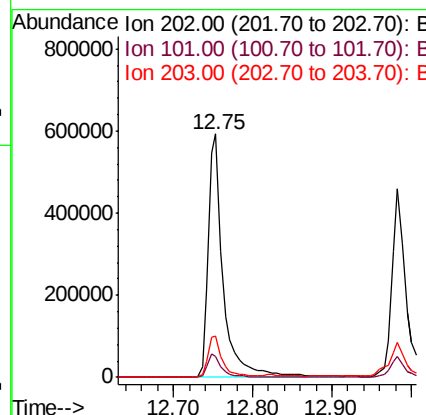
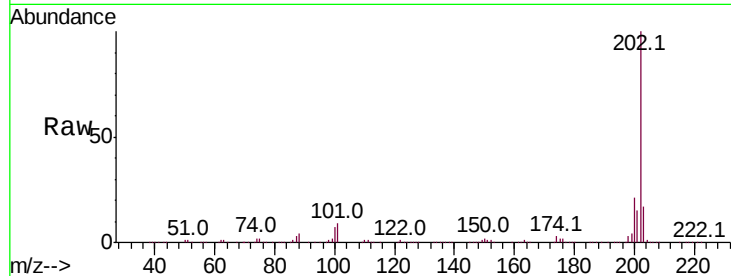
ClientSampleId :

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Tot Ion:	202	Resp:	785707
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	34.1
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

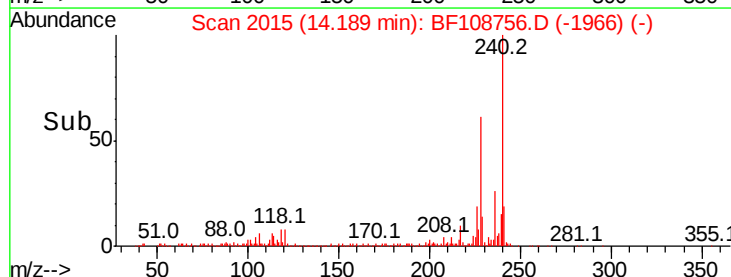
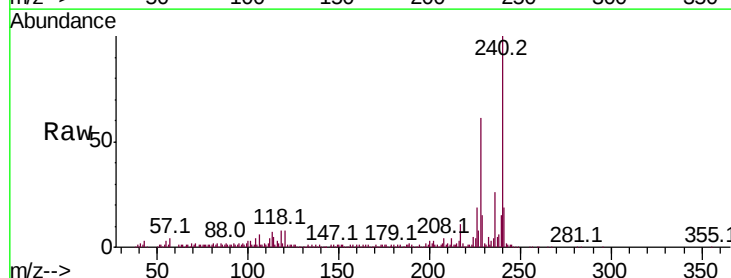
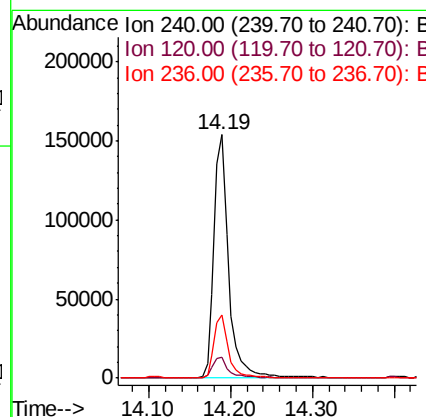
RT: 14.19 min Scan# 2015

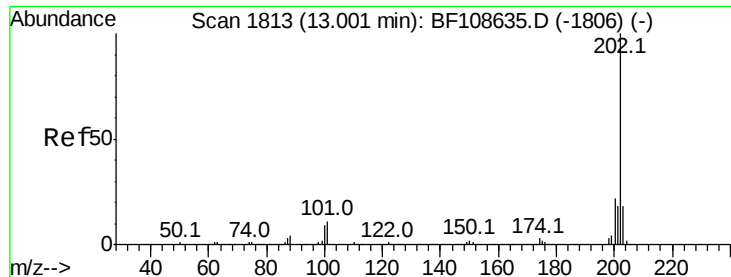
Delta R.T. -0.01 min

Lab File: BF108756.D

Acq: 4 Sep 2018 22:11

Tgt Ion:	240	Resp:	194001
Ion Ratio	Lower	Upper	
240	100		
120	8.4	9.5	14.3#
236	25.9	20.7	31.1





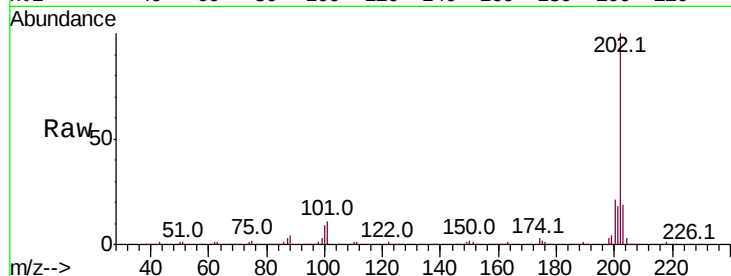
#77
Pvrene
Concen: 40.221 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :
DW-11

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.6	14.3	21.5

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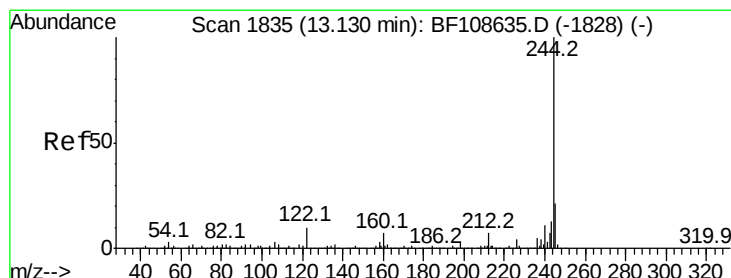
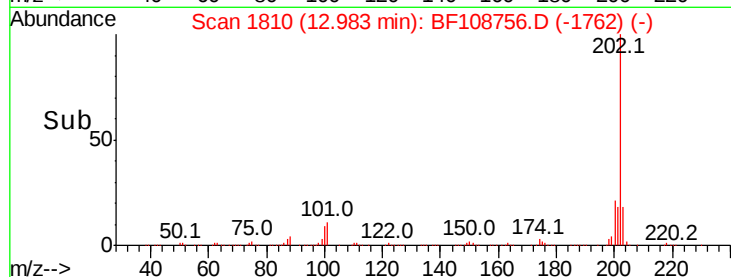
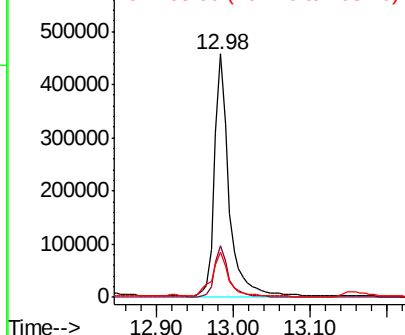


Abundance

Ion 202.00 (201.70 to 202.70): E

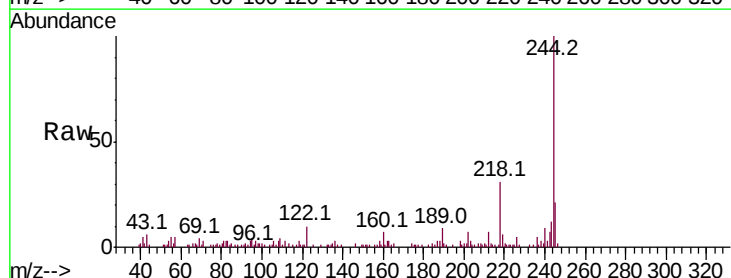
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 5.977 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.2	11.0	16.4#

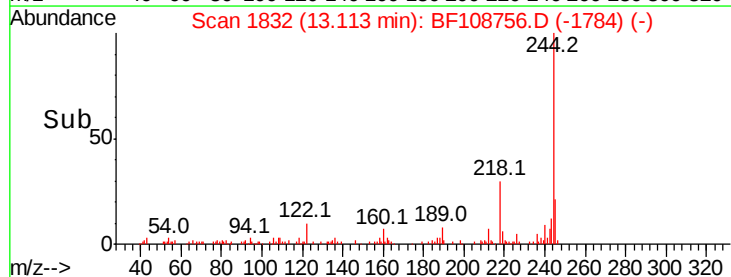
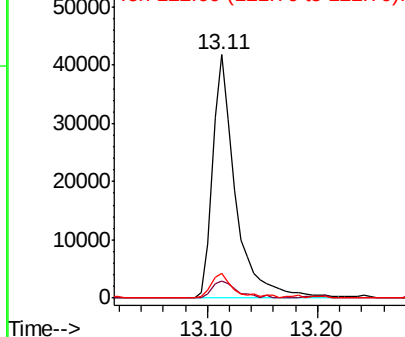


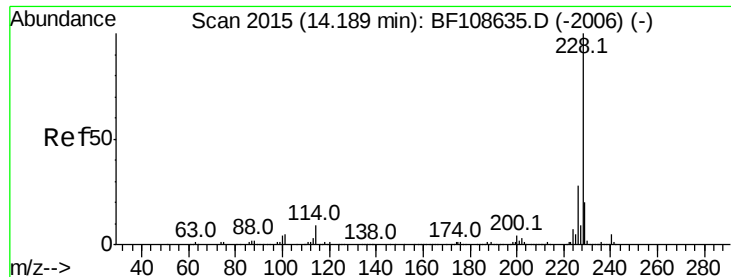
Abundance

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





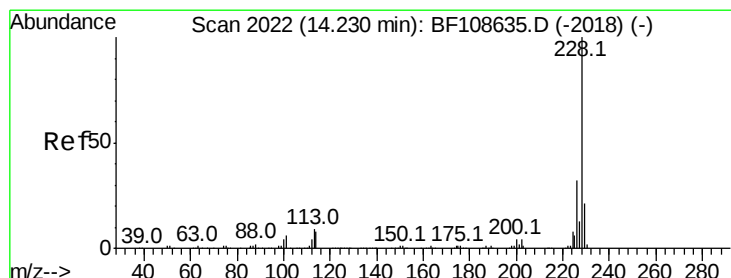
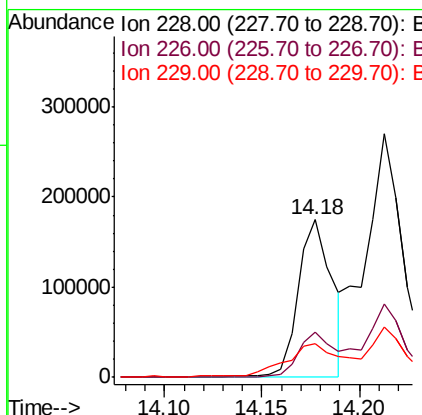
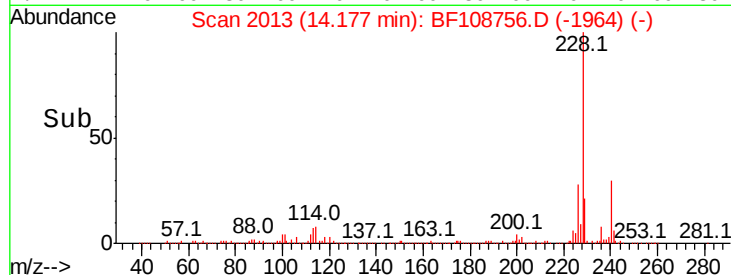
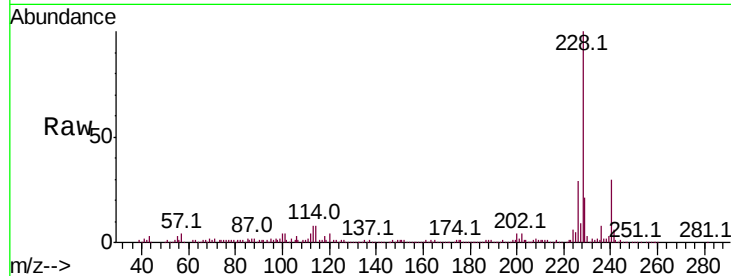
#80
Benzo(a)anthracene
Concen: 17.767 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :
DW-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.4	15.8	23.6

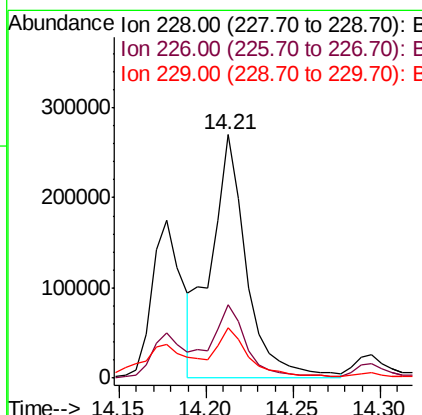
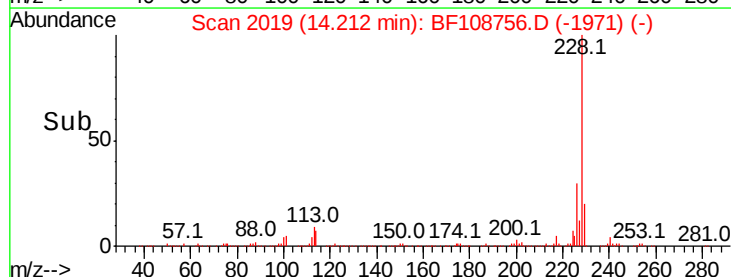
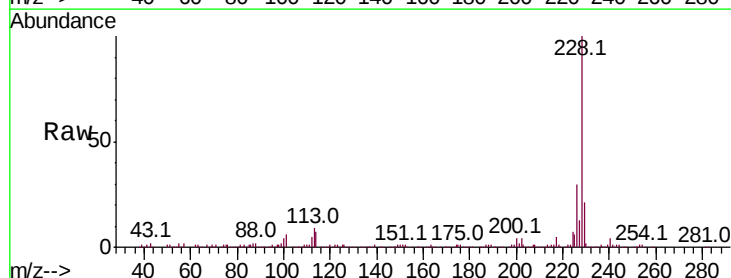
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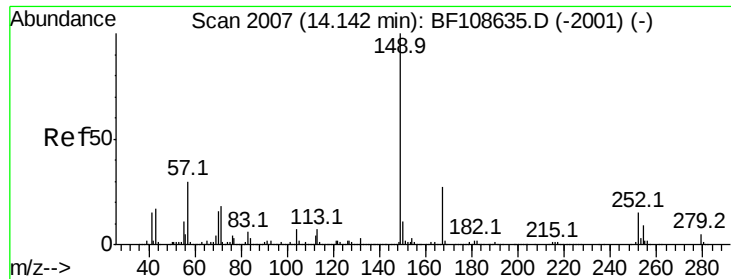
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#82
Chrysene
Concen: 33.831 ng m
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	20.8	16.2	24.4





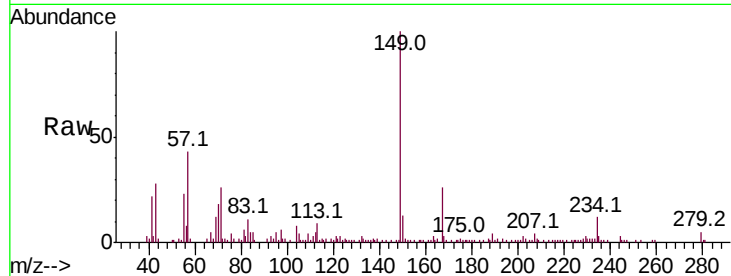
#83
Bis(2-ethylhexyl)phthalate
Concen: 4.995 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampleId :
DW-11

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	25.8	21.3	31.9	
279	4.5	3.0	4.4	

Manual Integrations
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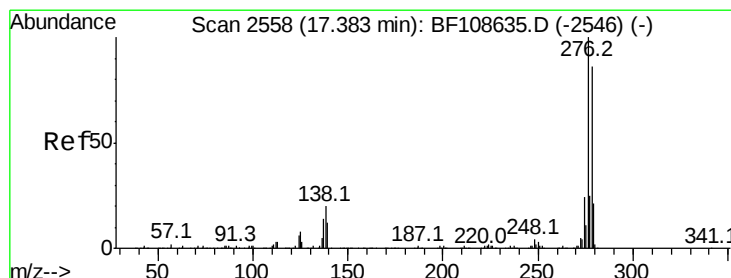
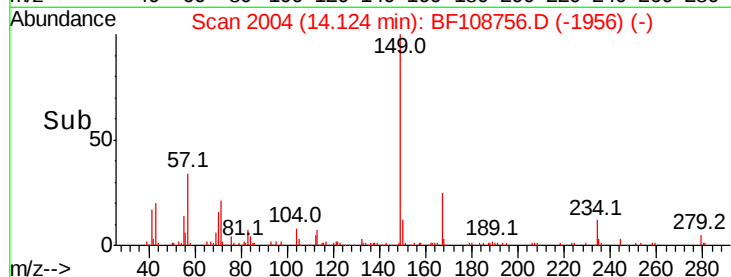
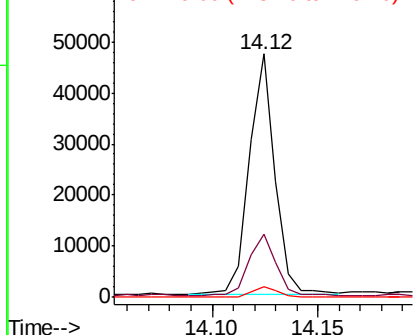


Abundance

Ion 149.00 (148.70 to 149.70): E

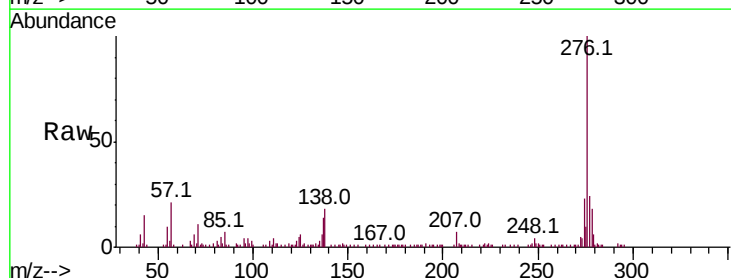
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 20.089 ng
RT: 17.35 min Scan# 2553
Delta R.T. -0.03 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	15.7	25.0	37.6	
277	23.2	20.1	30.1	

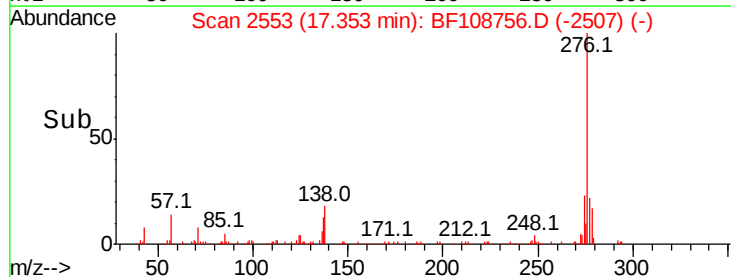
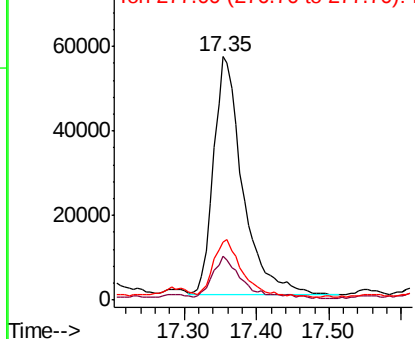


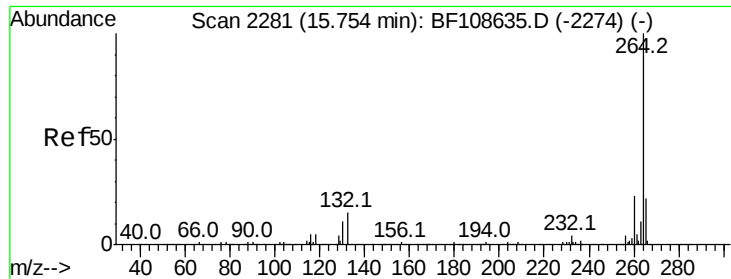
Abundance

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





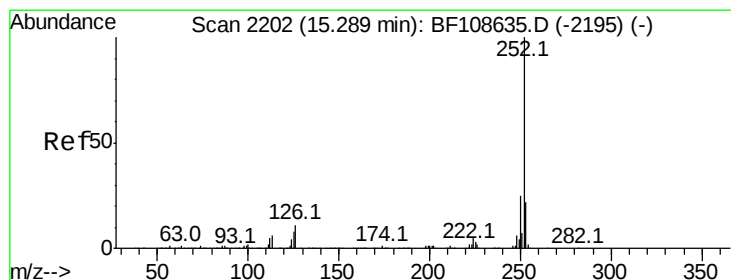
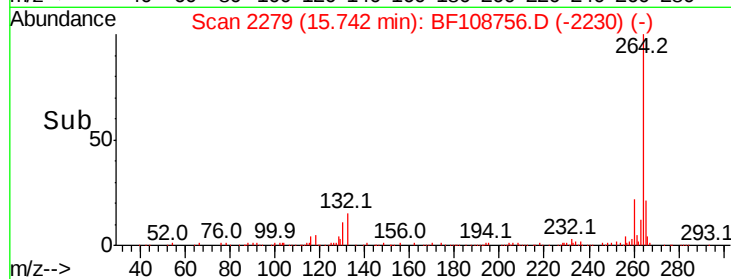
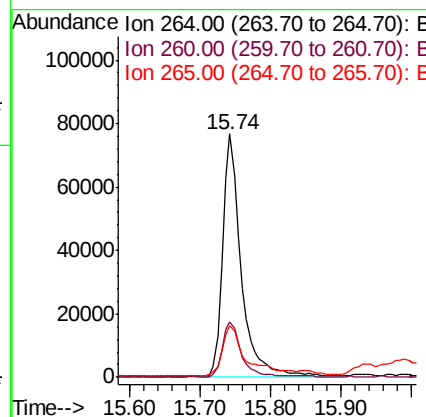
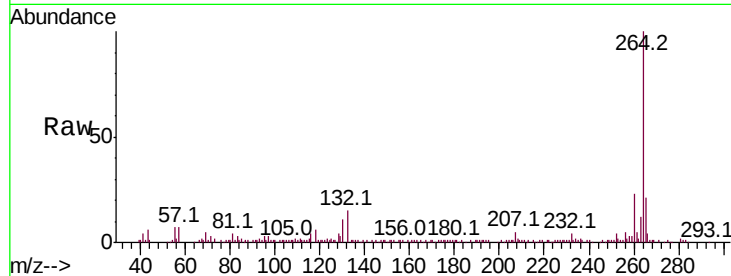
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampled :
DW-11

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.4	17.5	26.3

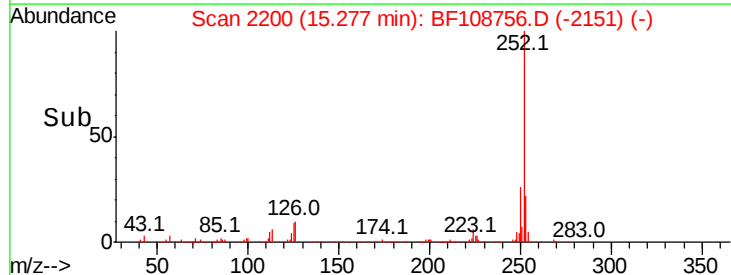
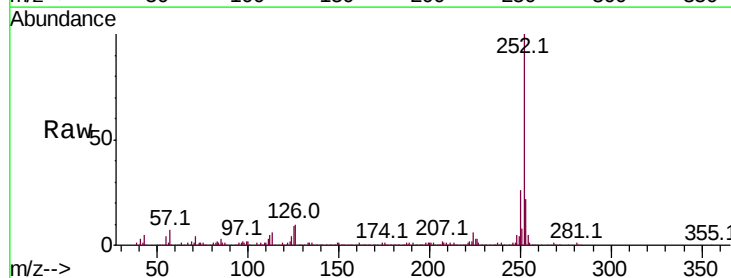
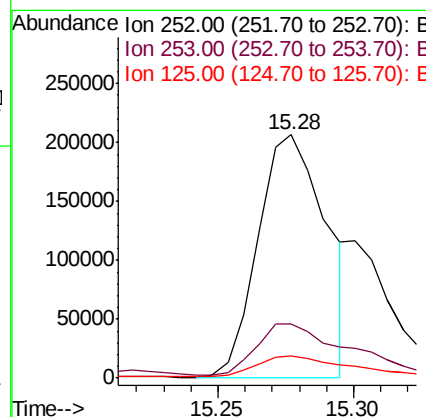
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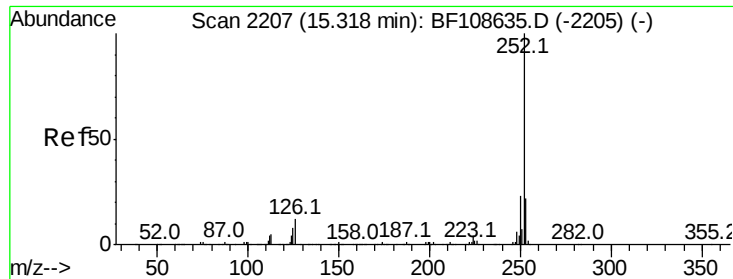
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#87
Benzo(b)fluoranthene
Concen: 41.683 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.2	9.0	13.6





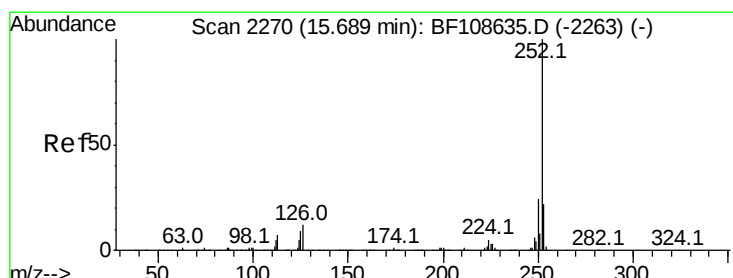
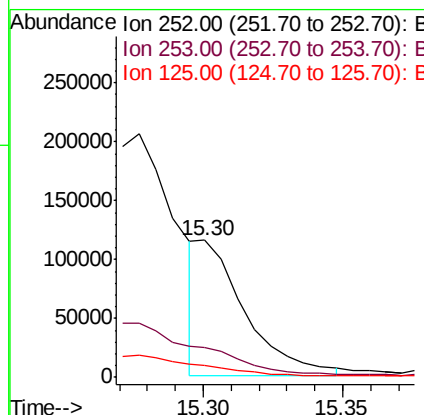
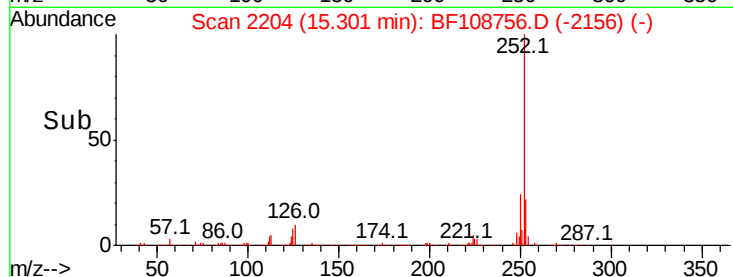
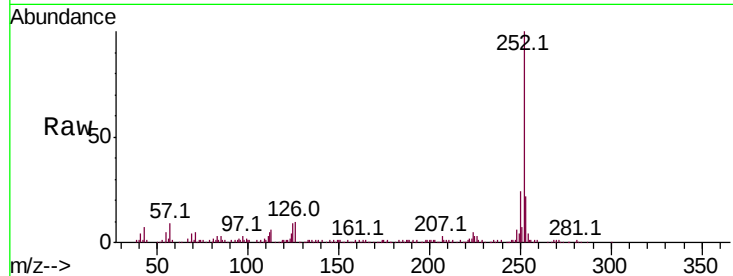
#88
Benzo(k)fluoranthene
Concen: 15.502 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Instrument :
BNA_F
ClientSampled :
DW-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	9.1	10.2	15.2

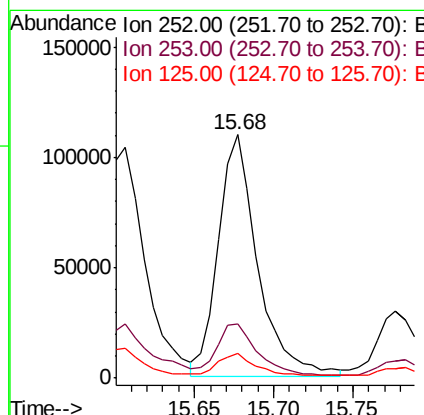
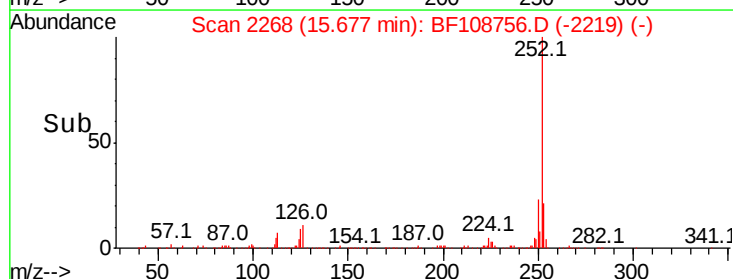
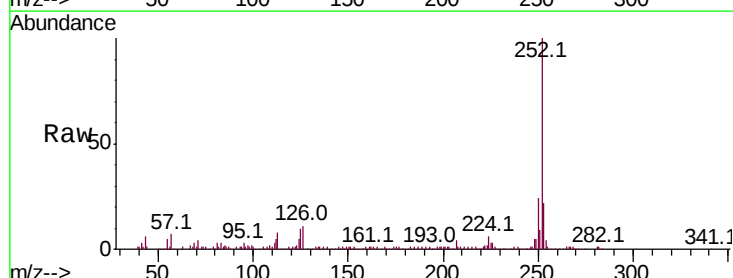
Manual Integrations
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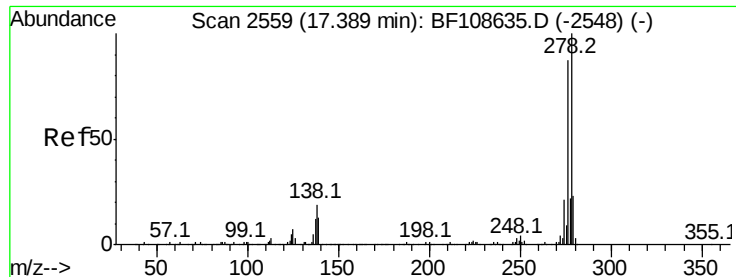
Sohil
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#89
Benzo(a)pyrene
Concen: 24.012 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108756.D
Acq: 4 Sep 2018 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	10.1	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.221 ng/mL

RT: 17.36 min Scan# 2554

Delta R.T. -0.03 min

Lab File: BF108756.D

Acq: 4 Sep 2018 22:11

Instrument :

BNA_F

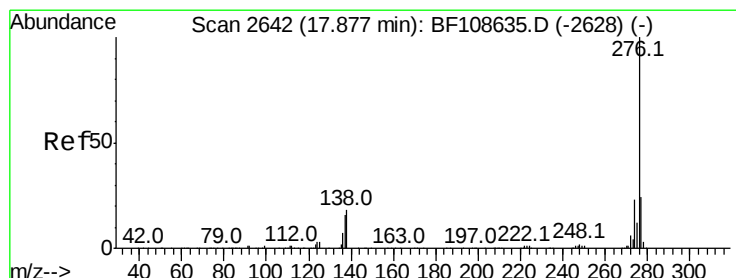
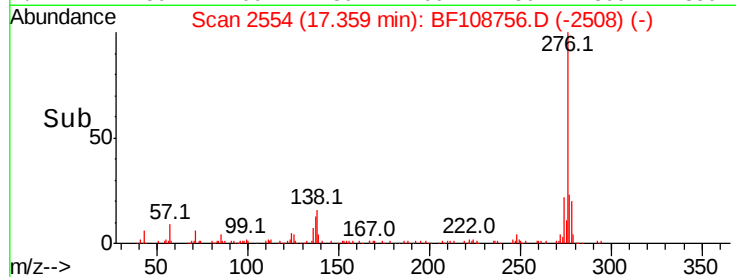
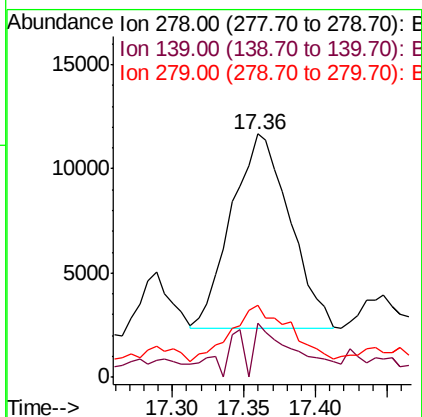
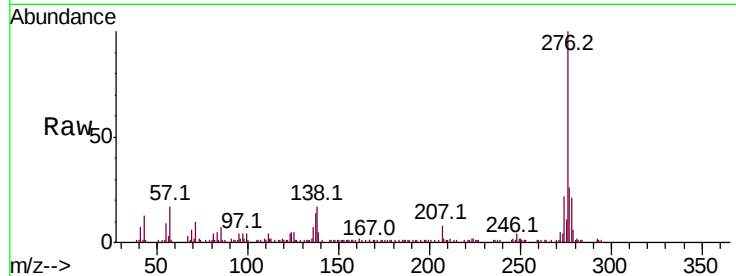
ClientSampled :

DW-11

Tot Ion:	278	Resp:	26539
Ion Ratio	Lower	Upper	
278	100		
139	22.1	15.9	23.9
279	29.7	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 27.100 ng/mL

RT: 17.85 min Scan# 2637

Delta R.T. -0.03 min

Lab File: BF108756.D

Acq: 4 Sep 2018 22:11

Tgt Ion:	276	Resp:	165619
Ion Ratio	Lower	Upper	
276	100		
277	23.9	17.9	26.9
138	18.1	21.8	32.8#

