

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108746.D
 Acq On : 4 Sep 2018 17:40
 Operator : JU/SJ
 Sample : J4712-12 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-08

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:36 PM

Quant Time: Sep 05 05:08:52 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	62546	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	288758	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	134482	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	292038	20.00	ng	-0.02
75) Chrysene-d12	14.19	240	245467	20.00	ng	-0.01
86) Perylene-d12	15.75	264	181908	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	38097m	10.58	ng	0.05
7) Phenol-d6	6.67	99	72212m	14.00	ng	0.02
23) Nitrobenzene-d5	7.60	82	52714m	9.27	ng	0.02
41) 2,4,6-Tribromophenol	10.83	330	23982	13.51	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	108148	10.81	ng	-0.02
78) Terphenyl-d14	13.11	244	142042	11.24	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.74	163	27651	2.611	ng	98
70) Phenanthrene	11.55	178	57376	3.892	ng	96
74) Fluoranthene	12.75	202	341063	20.555	ng	93
77) Pyrene	12.98	202	281367	15.248	ng	99
80) Benzo(a)anthracene	14.18	228	176123	11.770	ng	98
82) Chrysene	14.21	228	183876	12.777	ng	98
85) Indeno(1,2,3-cd)pyrene	17.36	276	135113	13.503	ng	# 85
87) Benzo(b)fluoranthene	15.28	252	253796m	22.712	ng	
88) Benzo(k)fluoranthene	15.30	252	108578m	9.809	ng	
89) Benzo(a)pyrene	15.68	252	163434	16.184	ng	94
90) Dibenzo(a,h)anthracene	17.37	278	22863m	2.835	ng	
91) Benzo(a,h,i)perylene	17.86	276	142642	18.197	ng	# 89

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

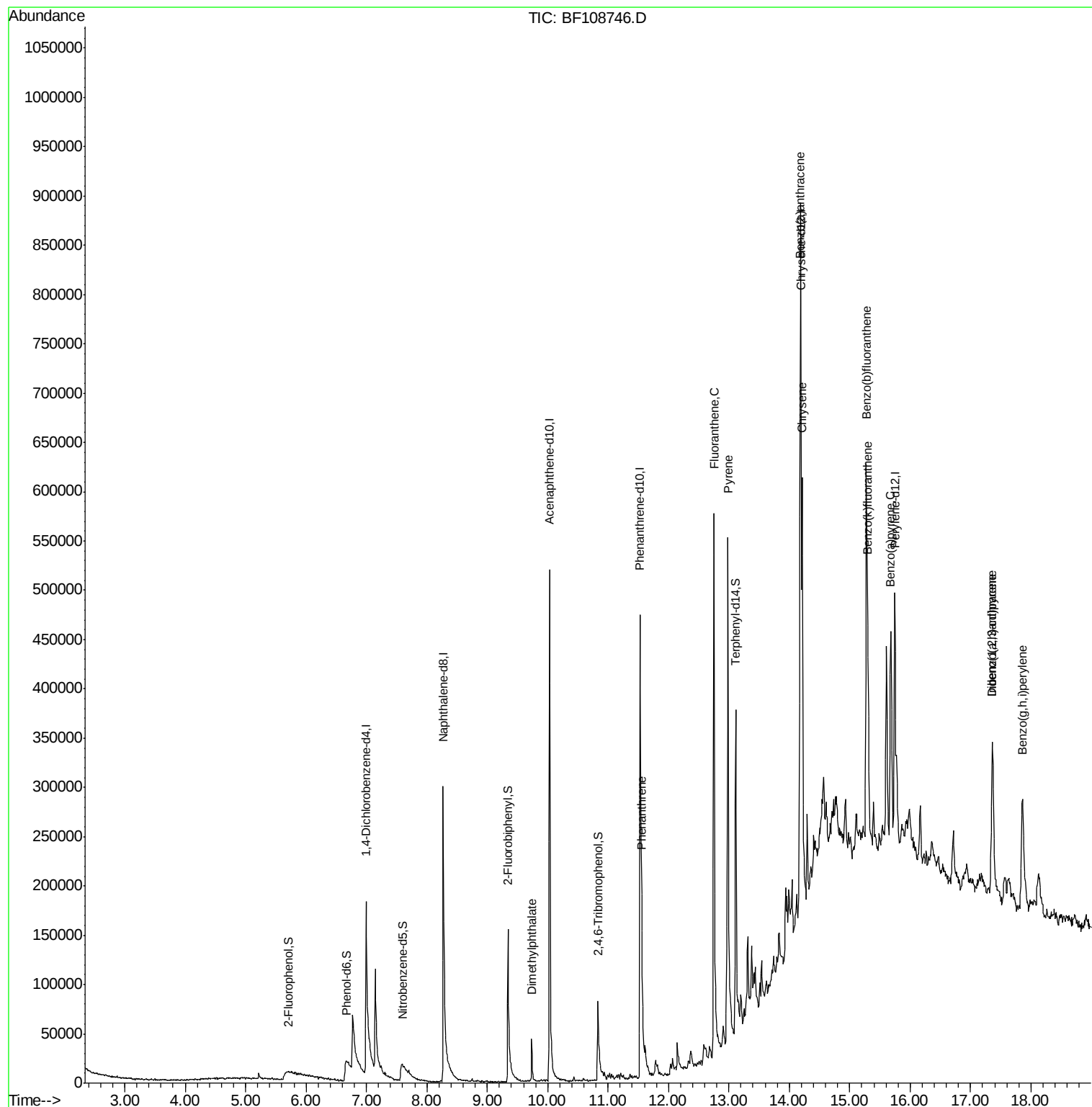
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108746.D
Acq On : 4 Sep 2018 17:40
Operator : JU/SJ
Sample : J4712-12 5X
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Instrument :
BNA_F
ClientSampled :
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#1

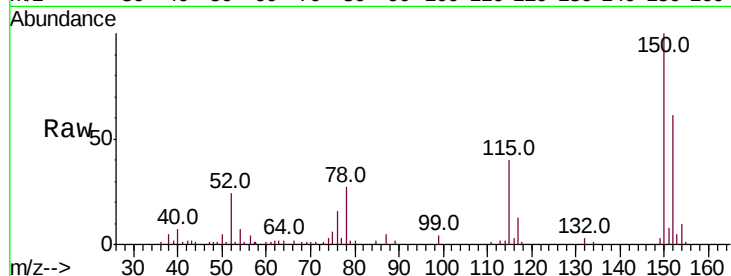
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Instrument :
BNA_F
ClientSampleId :
DW-08

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	124.6	186.8
115	65.5	50.1	75.1

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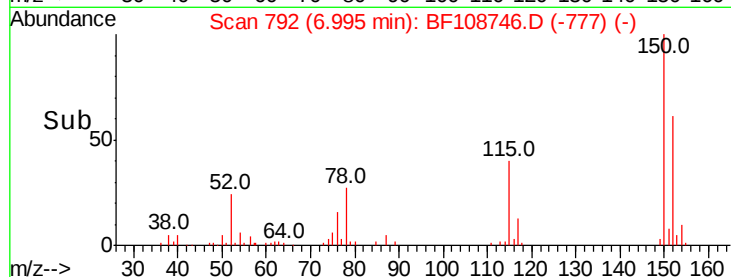
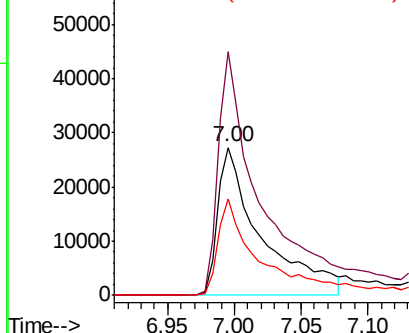


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

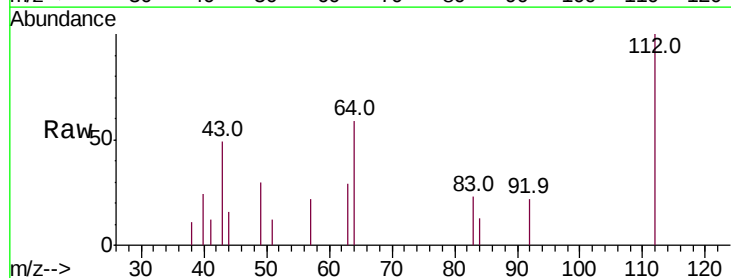
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.581 ng m
RT: 5.70 min Scan# 572
Delta R.T. 0.05 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	29.0	23.7	35.5

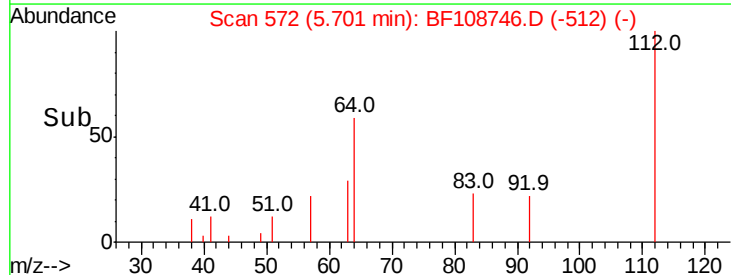
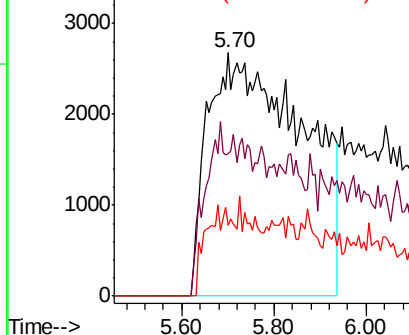


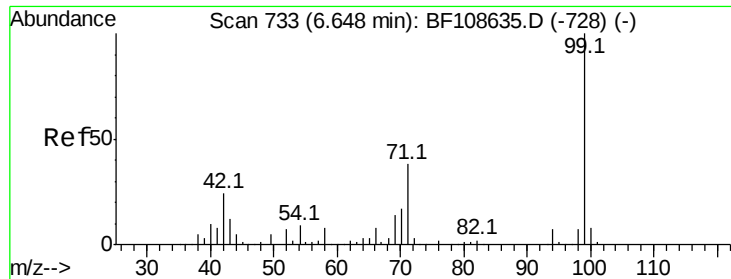
Abundance

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: 14.004 ng/mL

RT: 6.67 min Scan# 736

Delta R.T. 0.02 min

Lab File: BF108746.D

Acq: 4 Sep 2018 17:40

Instrument :

BNA_F

ClientSampled :

DW-08

Tot Ion: 99 Resp: 72212

Ion Ratio Lower Upper

99 100

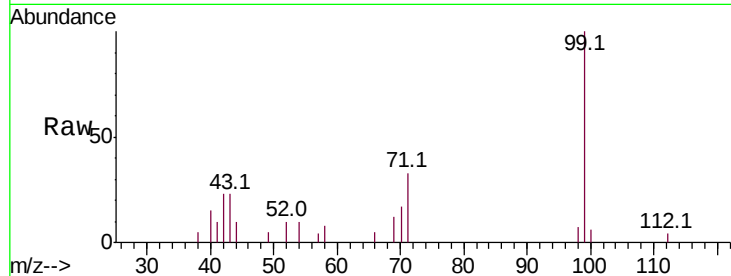
42 22.6 14.5 21.7#

71 33.3 25.4 38.0

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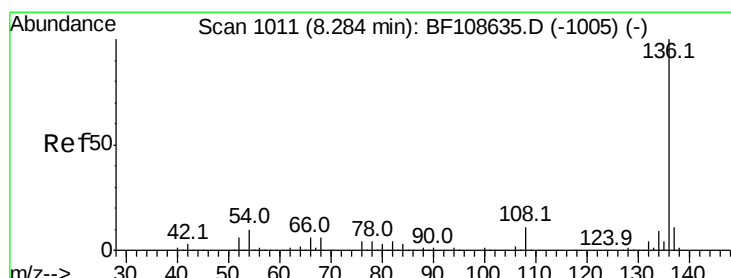
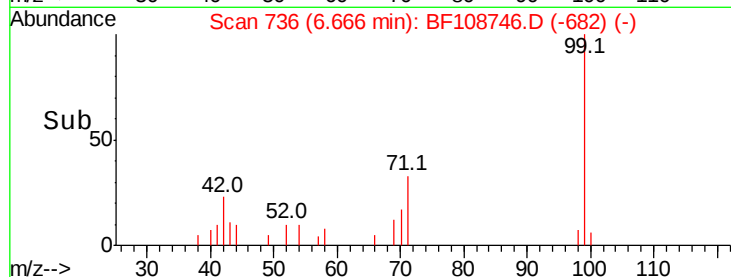
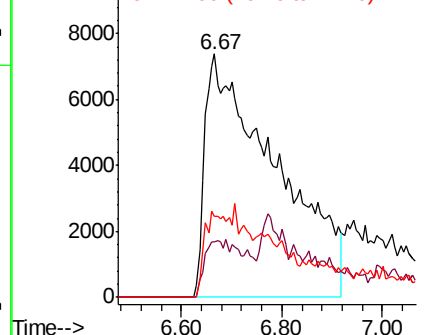
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF108746.D

Acq: 4 Sep 2018 17:40

Tgt Ion: 136 Resp: 288758

Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 10.4 6.6 9.8#

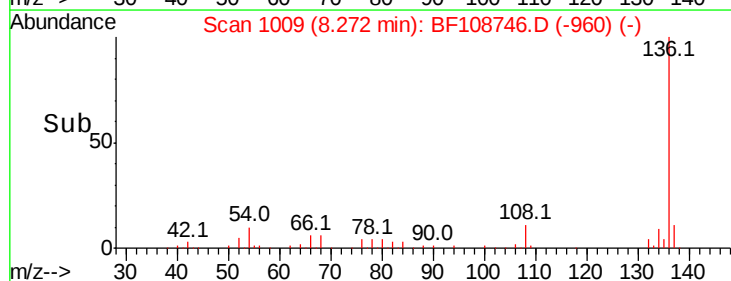
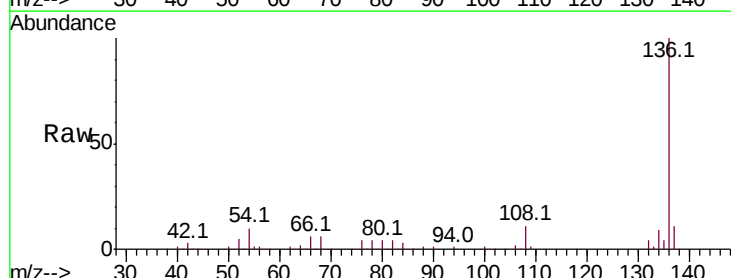
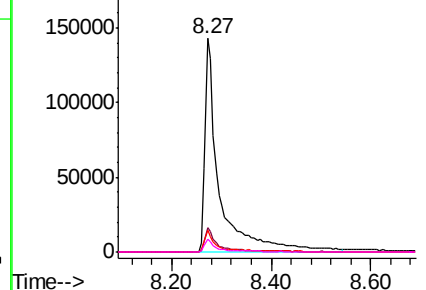
68 5.9 5.0 7.4

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





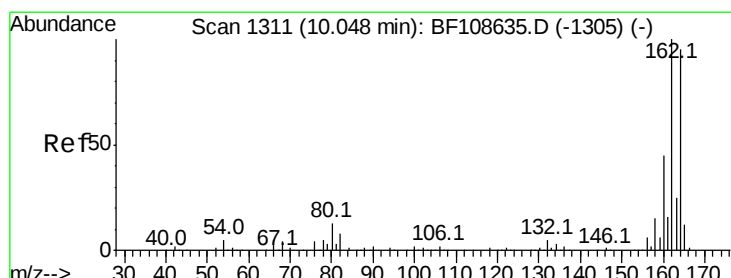
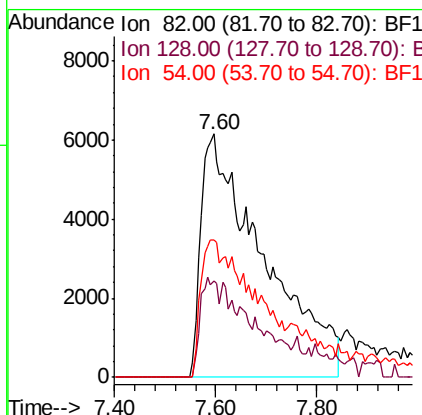
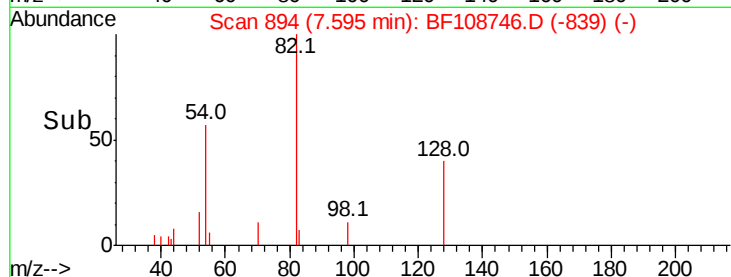
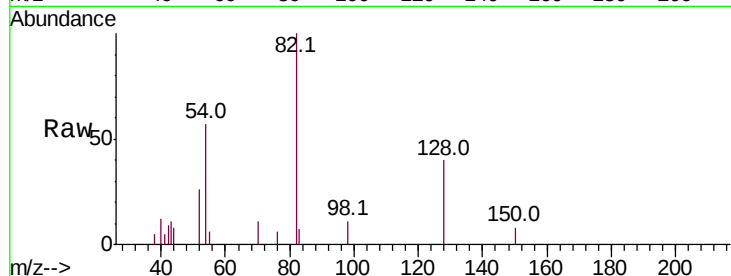
#23
Nitrobenzene-d5
Concen: 9.266 ng/ml
RT: 7.60 min Scan# 894
Delta R.T. 0.02 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Instrument :
BNA_F
ClientSampled :
DW-08

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.8	36.1	54.1
54	56.6	41.4	62.2

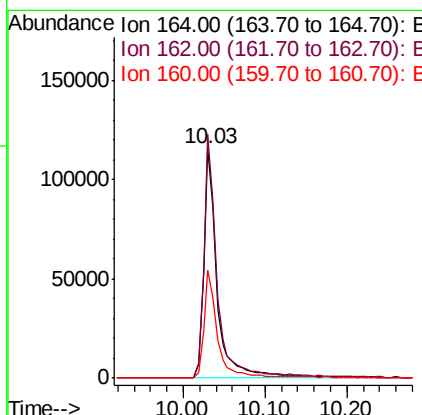
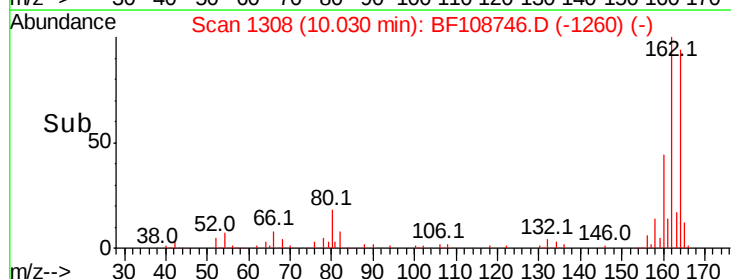
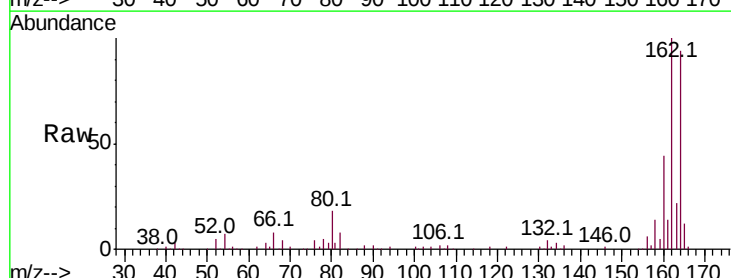
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	47.1	38.3	57.5





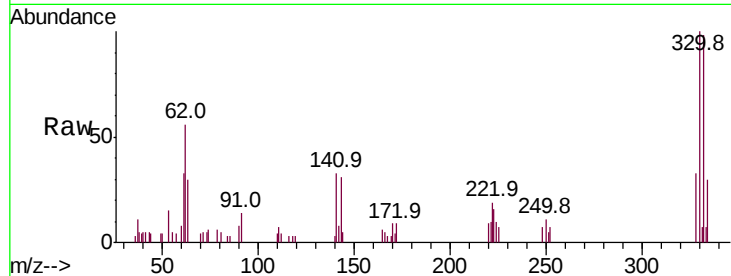
#41
 2,4,6-Tribromophenol
 Concen: 13.508 ng
 RT: 10.83 min Scan# 1444
 Delta R.T. -0.02 min
 Lab File: BF108746.D
 Acq: 4 Sep 2018 17:40

Instrument :
 BNA_F
 ClientSampleId :
 DW-08

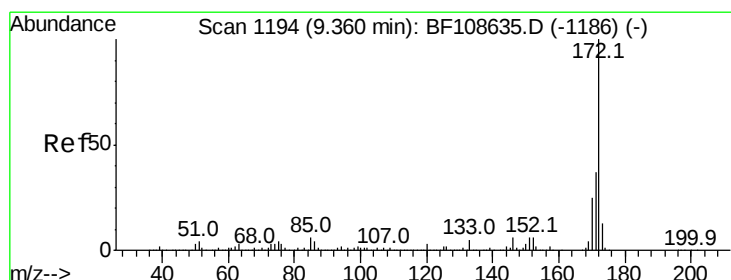
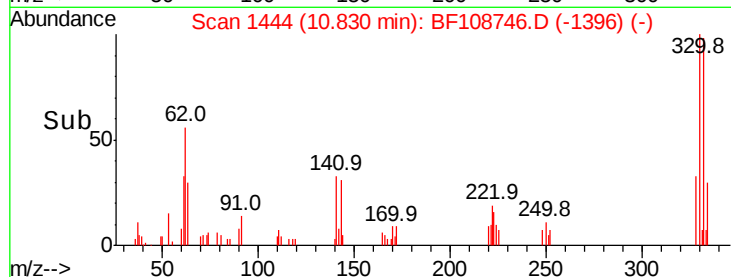
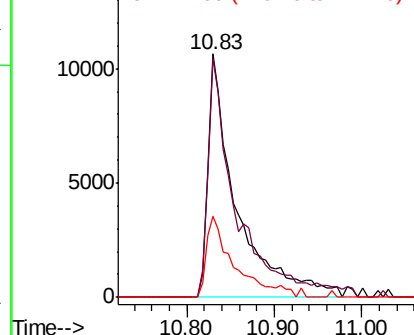
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	99.5	77.0	115.6	
141	33.2	29.9	44.9	

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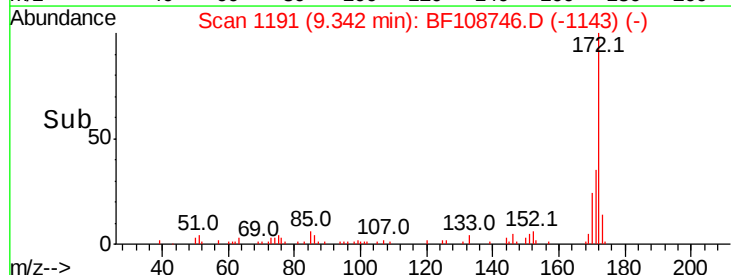
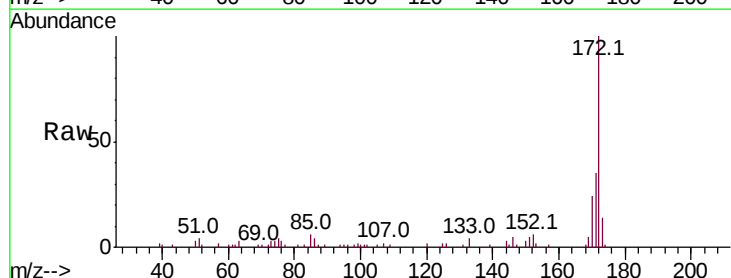
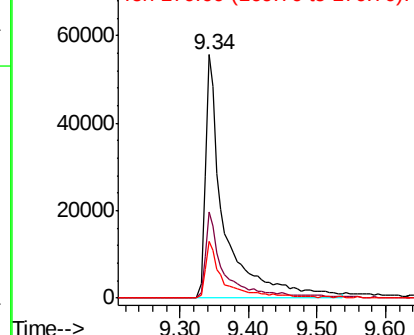
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 10.813 ng
 RT: 9.34 min Scan# 1191
 Delta R.T. -0.02 min
 Lab File: BF108746.D
 Acq: 4 Sep 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.7	44.5	
170	23.5	19.6	29.4	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





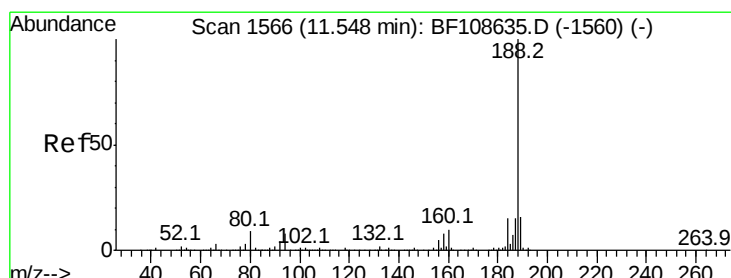
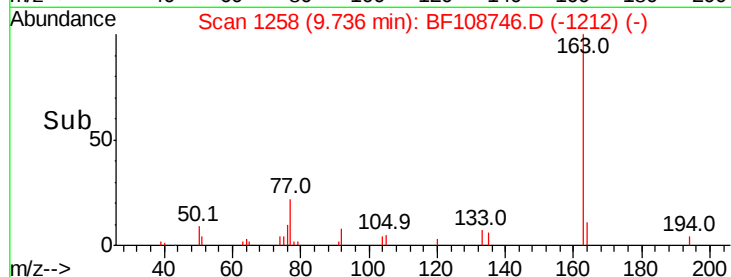
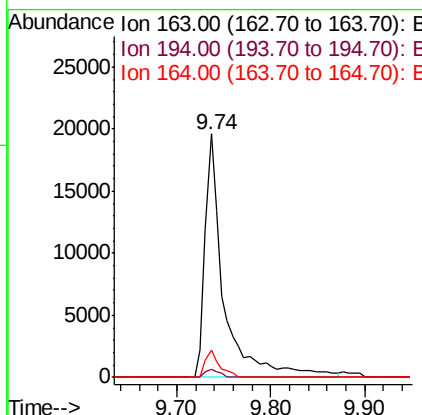
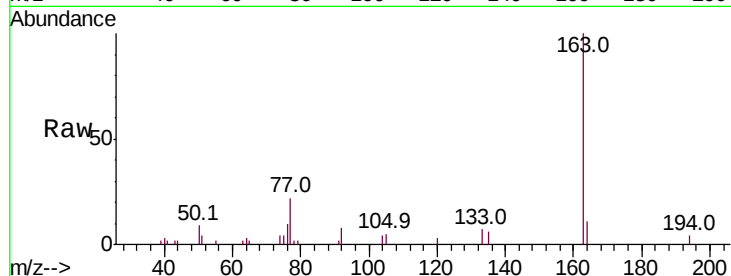
#49
Dimethylphthalate
Concen: 2.611 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.03 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Instrument :
BNA_F
ClientSampled :
DW-08

Tot Ion	Ratio	Resp	Lower	Upper
163	100	27651		
194	3.6		2.7	4.1
164	11.3		8.2	12.2

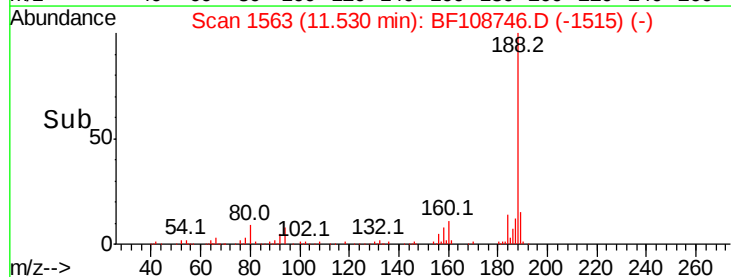
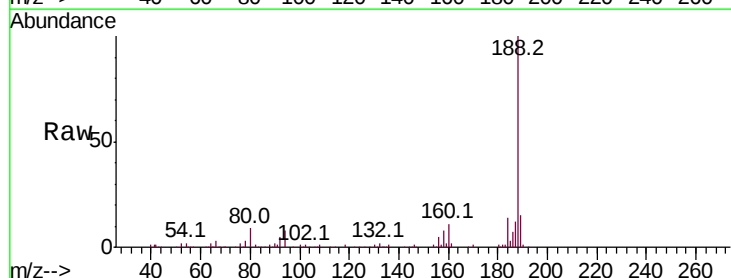
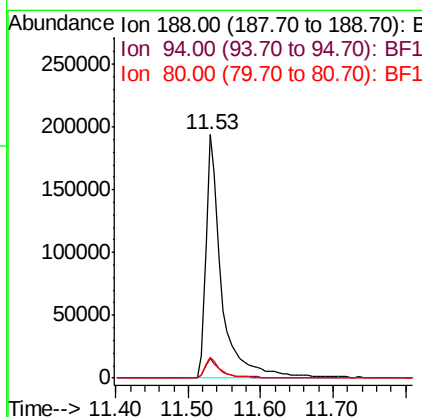
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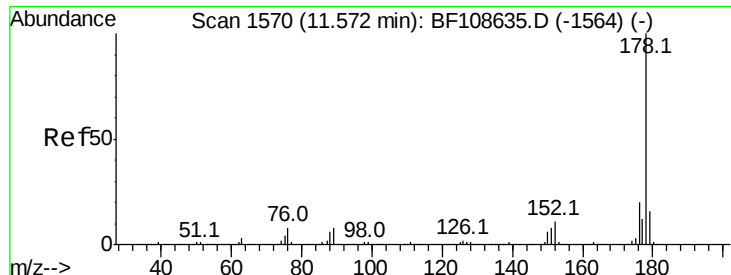
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	292038		
94	8.1		8.5	12.7#
80	8.5		9.2	13.8#





#70

Phenanthrene

Concen: 3.892 ng

RT: 11.55 min Scan# 1567

Delta R.T. -0.02 min

Lab File: BF108746.D

Acq: 4 Sep 2018 17:40

Instrument :

BNA_F

ClientSampled :

DW-08

Tot Ion:178 Resp: 57376

Ion Ratio Lower Upper

178 100

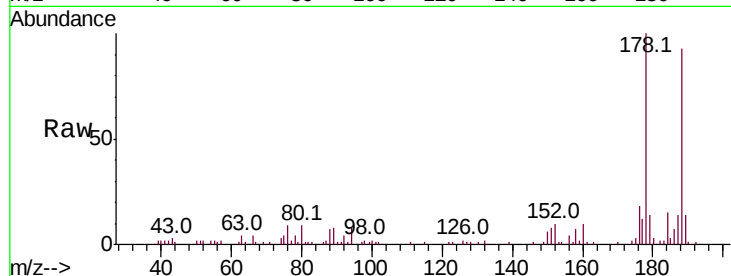
176 18.5 15.8 23.8

179 13.8 13.0 19.6

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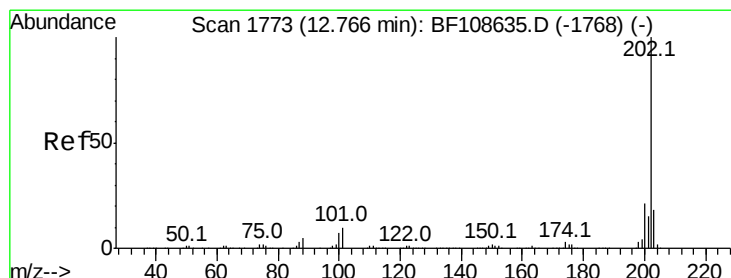
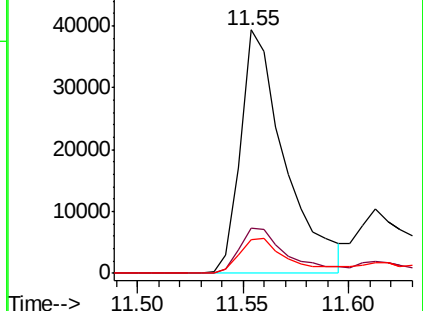
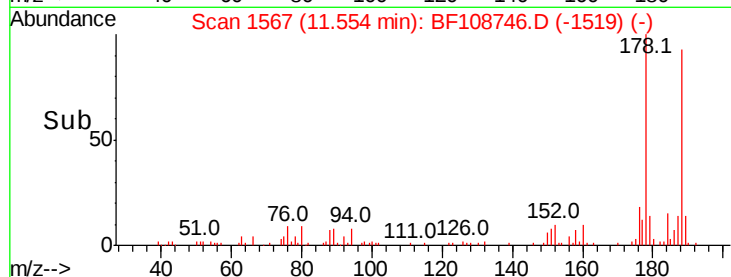
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 20.555 ng

RT: 12.75 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF108746.D

Acq: 4 Sep 2018 17:40

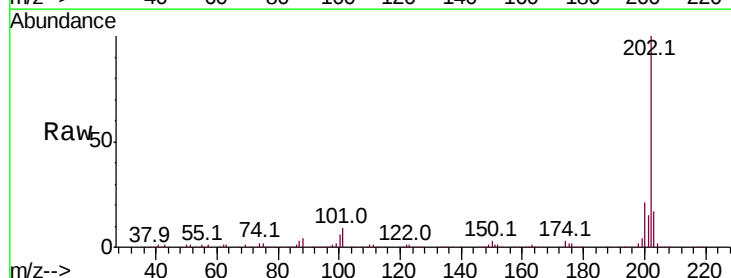
Tgt Ion:202 Resp: 341063

Ion Ratio Lower Upper

202 100

101 8.7 0.0 34.1

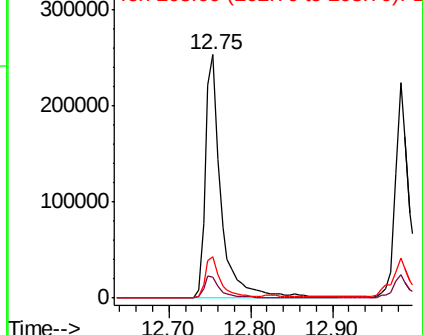
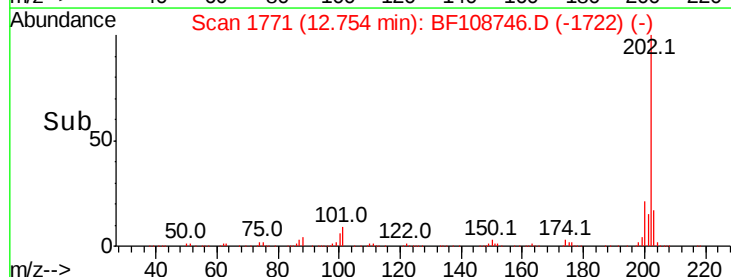
203 17.0 0.0 38.1

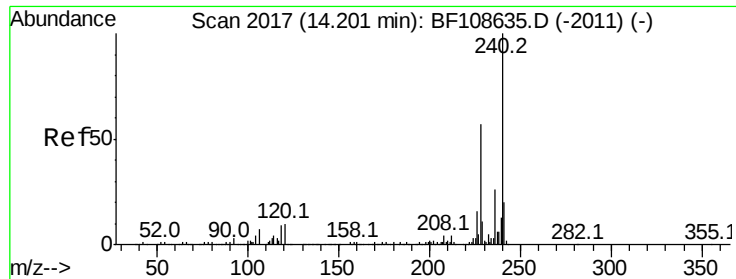


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108746.D

Acq: 4 Sep 2018 17:40

Instrument :

BNA_F

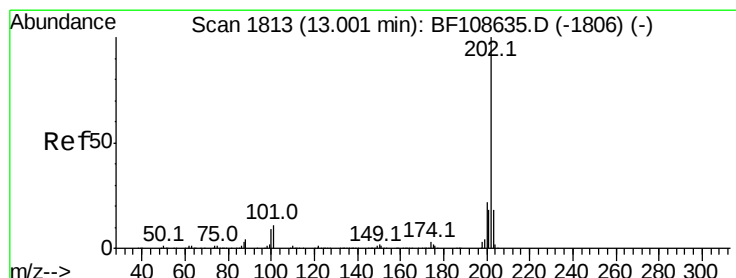
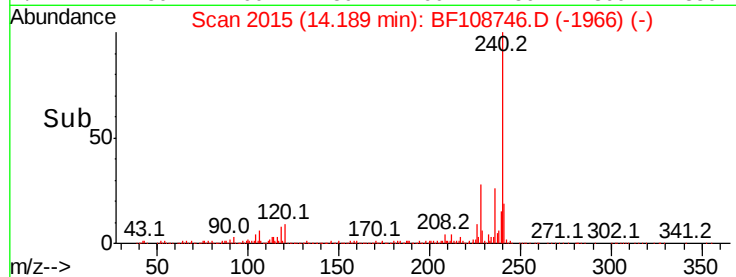
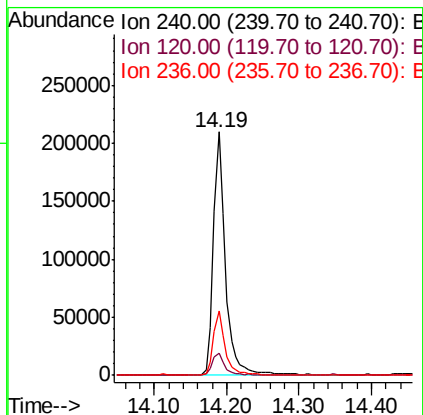
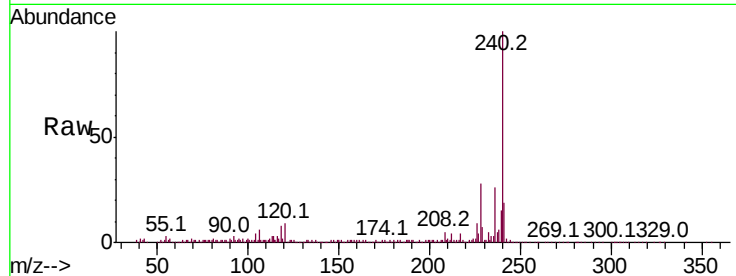
ClientSampled :

DW-08

Tot Ion	Ratio	Resp	Lower	Upper
240	100	245467		
120	9.0	9.5	14.3#	
236	26.2	20.7	31.1	

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#77

Pyrene

Concen: 15.248 ng

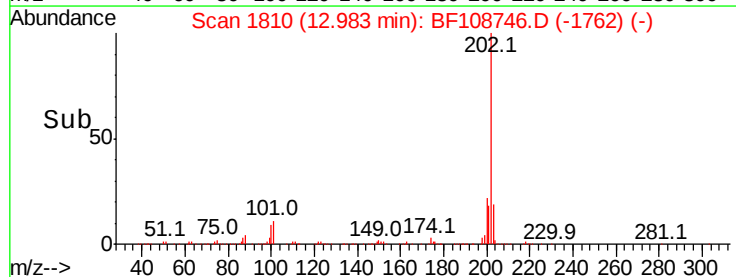
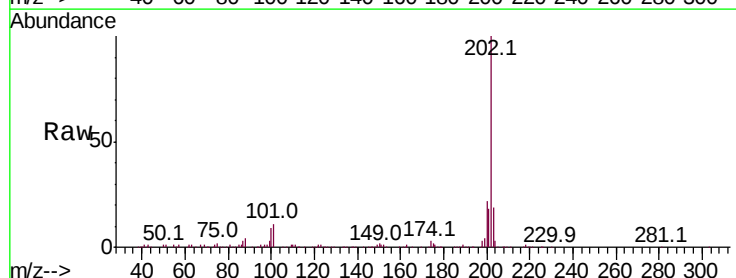
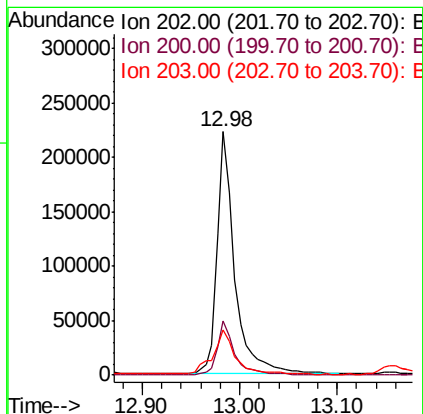
RT: 12.98 min Scan# 1810

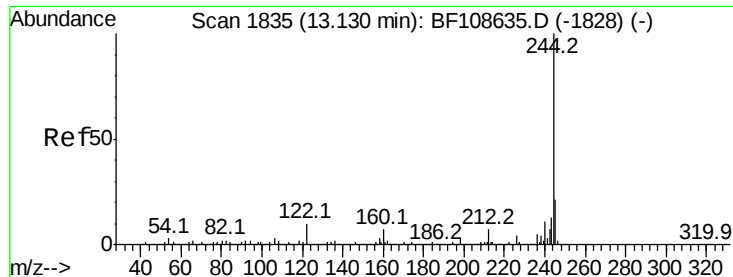
Delta R.T. -0.02 min

Lab File: BF108746.D

Acq: 4 Sep 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	281367		
200	22.0	17.4	26.2	
203	18.6	14.3	21.5	





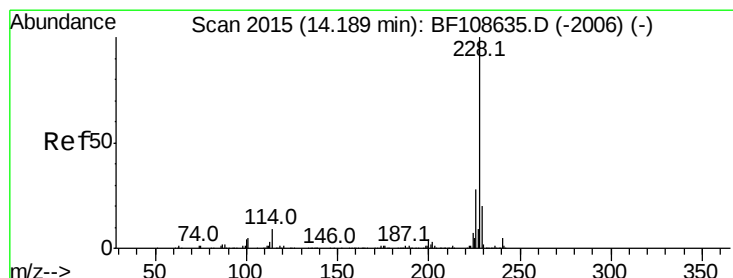
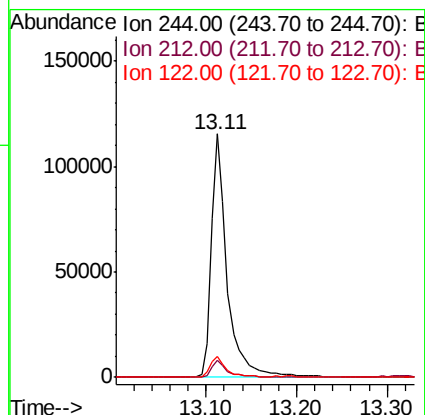
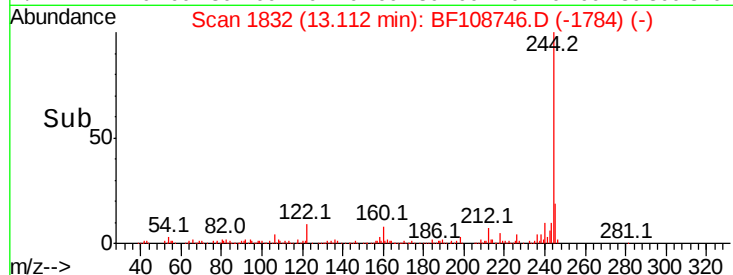
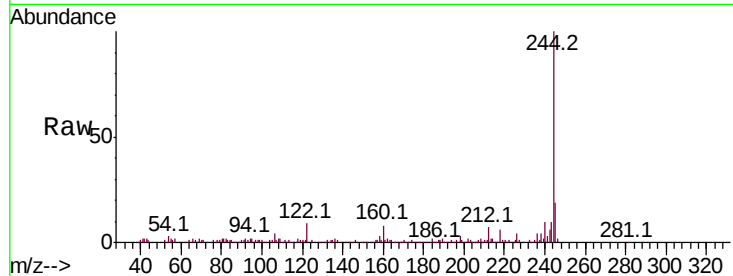
#78
 Terphenyl-d14
 Concen: 11.243 ng
 RT: 13.11 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF108746.D
 Acq: 4 Sep 2018 17:40

Instrument :
 BNA_F
 ClientSampleId :
 DW-08

Tot Ion:	244	Resp:	142042
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	8.8	11.0	16.4

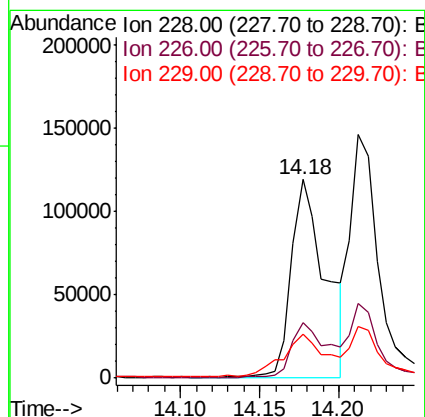
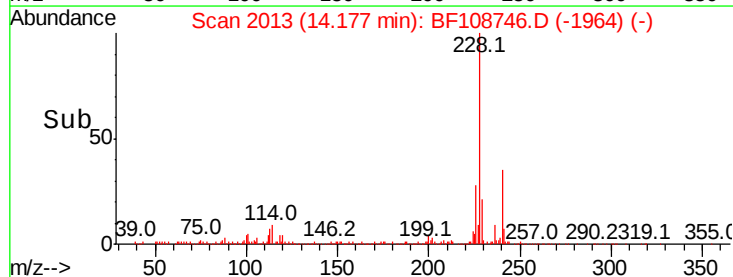
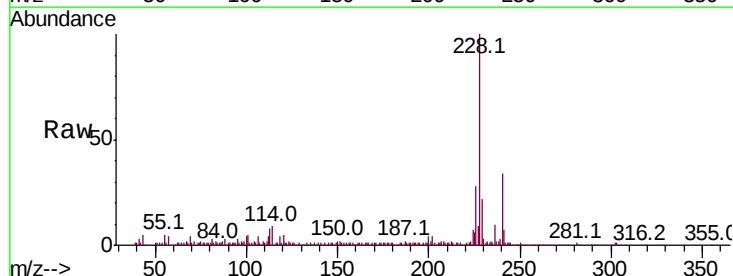
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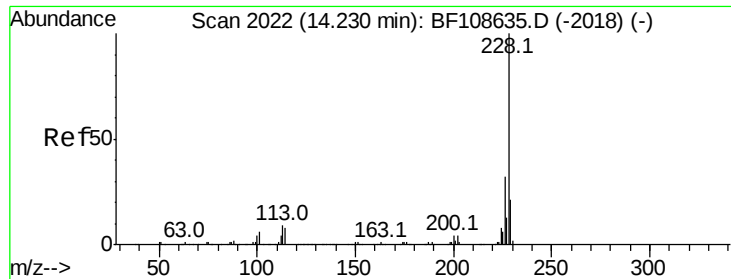
Sohil
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#80
 Benzo(a)anthracene
 Concen: 11.770 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF108746.D
 Acq: 4 Sep 2018 17:40

Tgt Ion:	228	Resp:	176123
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	33.8
229	22.0	15.8	23.6





#82

Chrysene

Concen: 12.777 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF108746.D

Acq: 4 Sep 2018 17:40

Instrument :

BNA_F

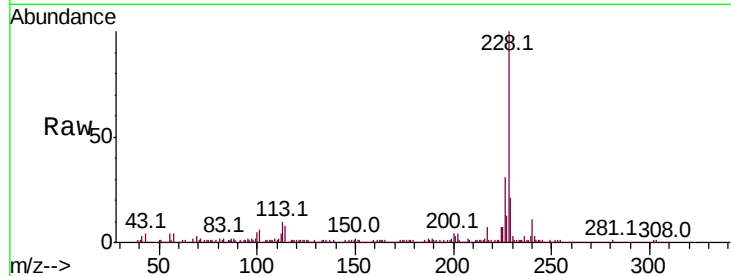
ClientSampled :

DW-08

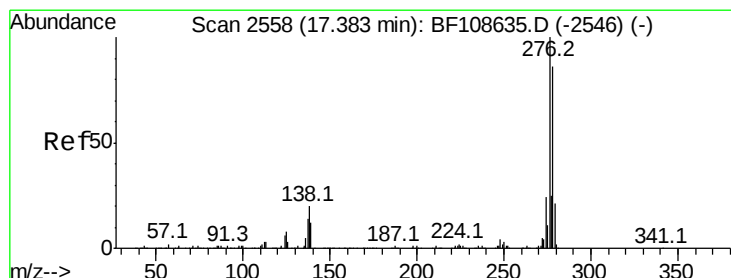
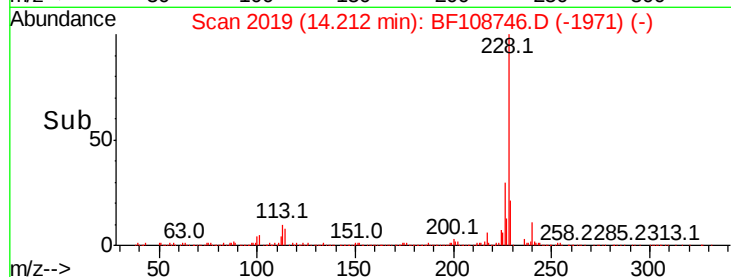
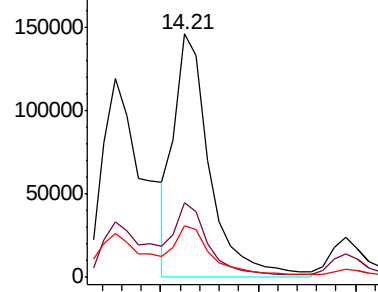
Tot Ion:	228	Resp:	183876
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	21.4	16.2	24.4

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.503 ng

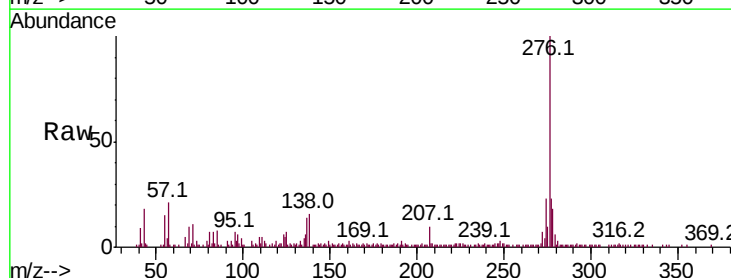
RT: 17.36 min Scan# 2554

Delta R.T. -0.02 min

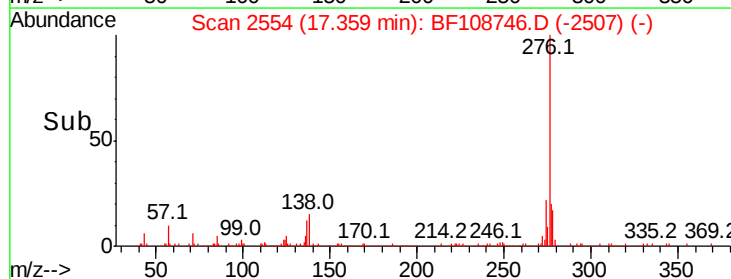
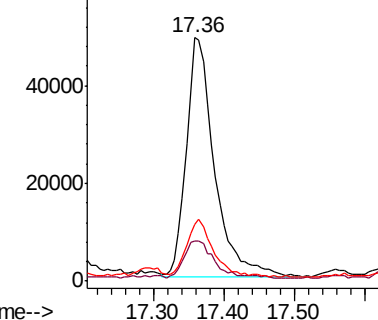
Lab File: BF108746.D

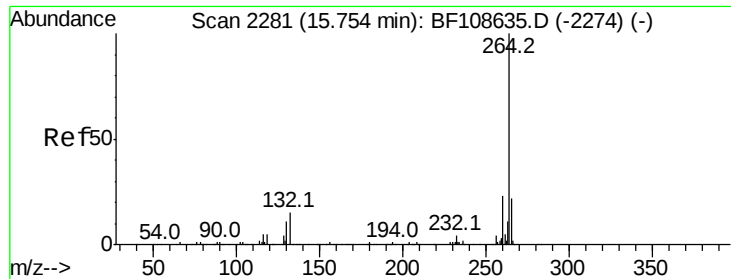
Acq: 4 Sep 2018 17:40

Tgt Ion:	276	Resp:	135113
Ion Ratio	Lower	Upper	
276	100		
138	17.6	25.0	37.6#
277	23.7	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





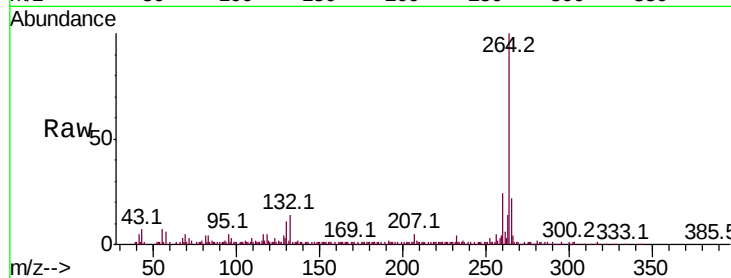
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Instrument :
BNA_F
ClientSampled :
DW-08

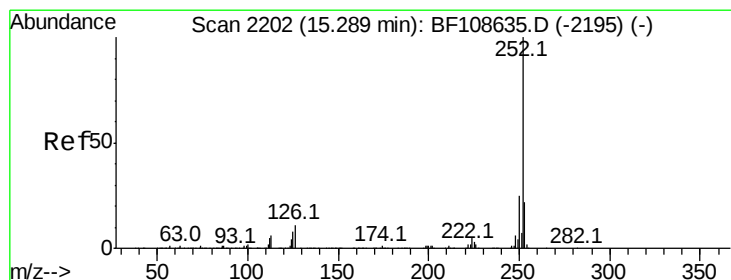
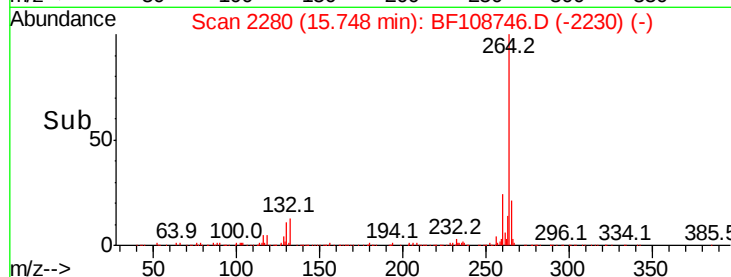
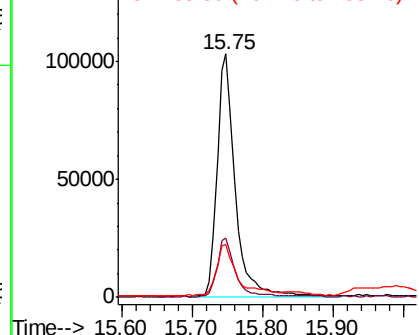
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.8	17.5	26.3

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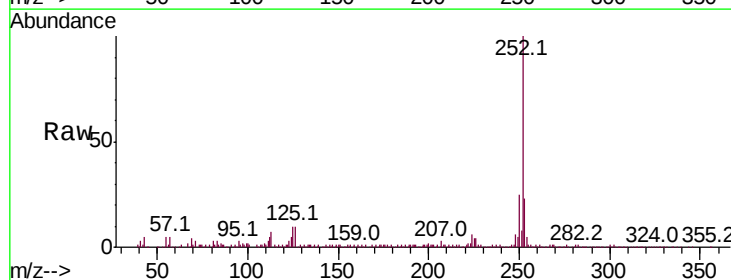


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

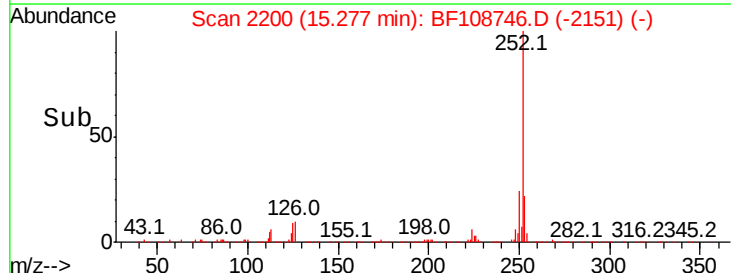
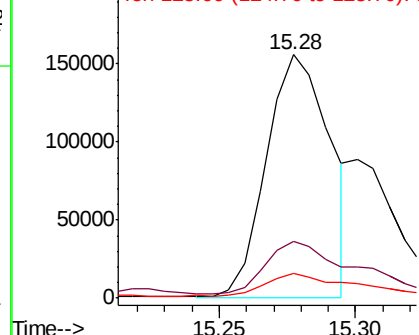


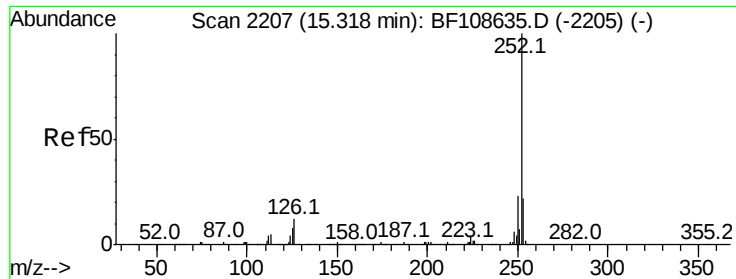
#87
Benzo(b)fluoranthene
Concen: 22.712 ng m
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	10.0	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





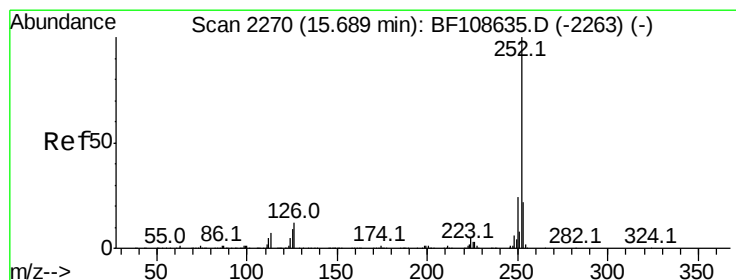
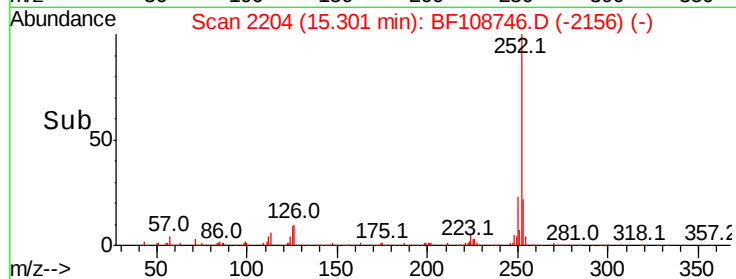
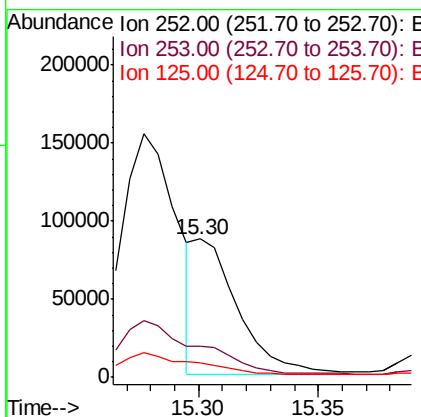
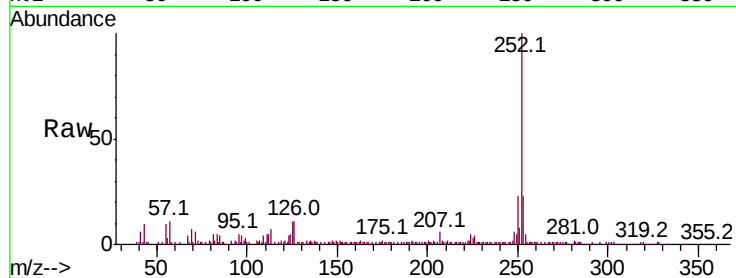
#88
Benzo(k)fluoranthene
Concen: 9.809 ng m
RT: 15.30 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Instrument :
BNA_F
ClientSampled :
DW-08

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	10.7	10.2	15.2

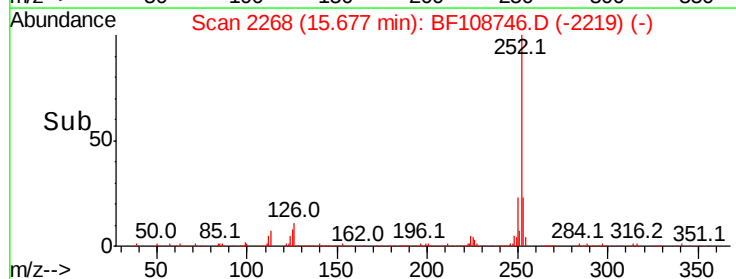
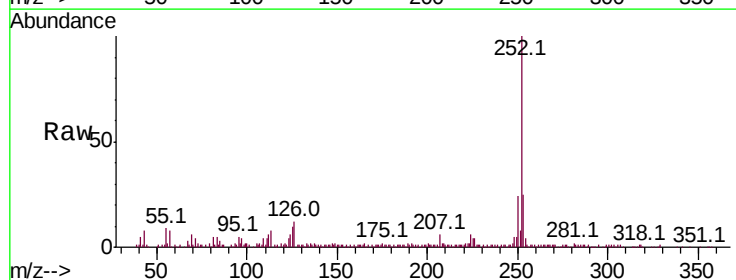
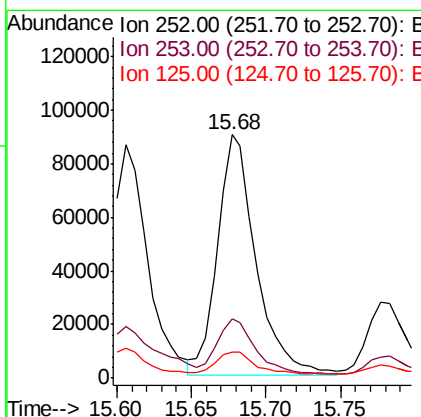
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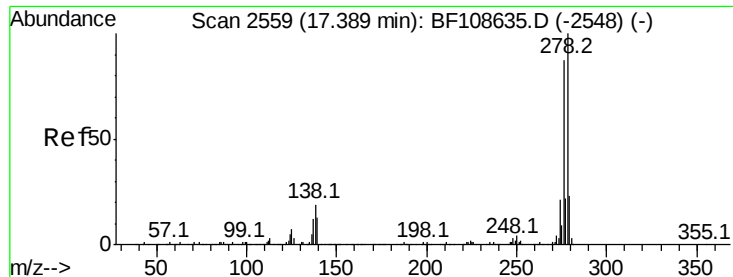
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#89
Benzo(a)pyrene
Concen: 16.184 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108746.D
Acq: 4 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	10.4	9.8	14.6





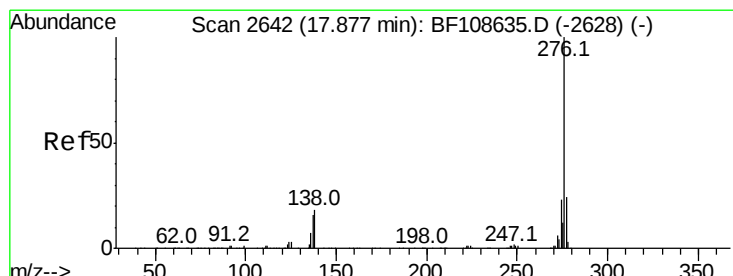
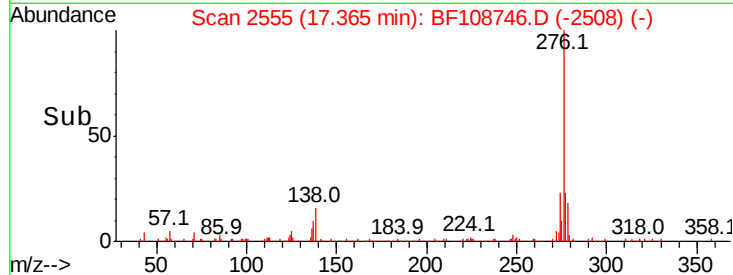
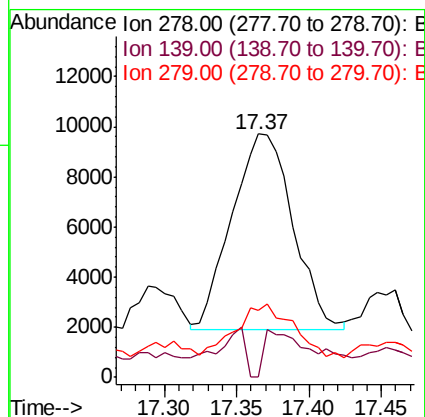
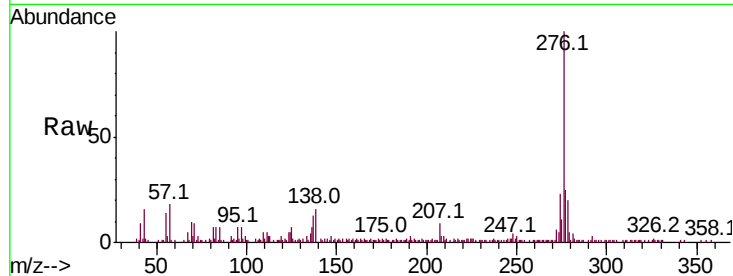
#90
 Dibenzo(a,h)anthracene
 Concen: 2.835 ng m
 RT: 17.37 min Scan# 2555
 Delta R.T. -0.02 min
 Lab File: BF108746.D
 Acq: 4 Sep 2018 17:40

Instrument :
 BNA_F
 ClientSampleId :
 DW-08

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.3	19.0	28.4

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#91
 Benzo(g,h,i)perylene
 Concen: 18.197 ng
 RT: 17.86 min Scan# 2639
 Delta R.T. -0.02 min
 Lab File: BF108746.D
 Acq: 4 Sep 2018 17:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	18.3	21.8	32.8#

