

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
 Data File : BF108705.D
 Acq On : 31 Aug 2018 22:31
 Operator : JU/SJ
 Sample : J4712-11 4X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-06

Manual Integrations
 APPROVED

Sohil
 9/4/2018 3:53:40 PM

Quant Time: Sep 01 04:38:59 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	7.01	152	40076	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	223078	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	111595	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	249671	20.00	ng	0.00
75) Chrysene-d12	14.20	240	222429	20.00	ng	0.00
86) Perylene-d12	15.76	264	160524	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.74	99	112	0.03	ng	0.09
23) Nitrobenzene-d5	7.66	82	2856	0.65	ng	0.09
41) 2,4,6-Tribromophenol	10.85	330	2554	1.73	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	14838	1.79	ng	0.00
78) Terphenyl-d14	13.12	244	25905	2.26	ng	0.00
Target Compounds						
70) Phenanthrene	11.57	178	109002	8.649	ng	Qvalue 97
71) Anthracene	11.62	178	28984	2.189	ng	96
72) Carbazole	11.79	167	43059	3.363	ng	98
74) Fluoranthene	12.76	202	570745	40.235	ng	94
77) Pyrene	12.99	202	475695	28.450	ng	100
80) Benzo(a)anthracene	14.19	228	217368	16.030	ng	98
82) Chrysene	14.22	228	345574	26.501	ng	99
85) Indeno(1,2,3-cd)pyrene	17.38	276	196928	21.719	ng	# 87
87) Benzo(b)fluoranthene	15.29	252	443032m	44.928	ng	
88) Benzo(k)fluoranthene	15.32	252	129905m	13.299	ng	
89) Benzo(a)pyrene	15.69	252	213258m	23.931	ng	
90) Dibenzo(a,h)anthracene	17.39	278	35891m	5.043	ng	
91) Benzo(a,h,i)perylene	17.88	276	204178	29.517	ng	# 86

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

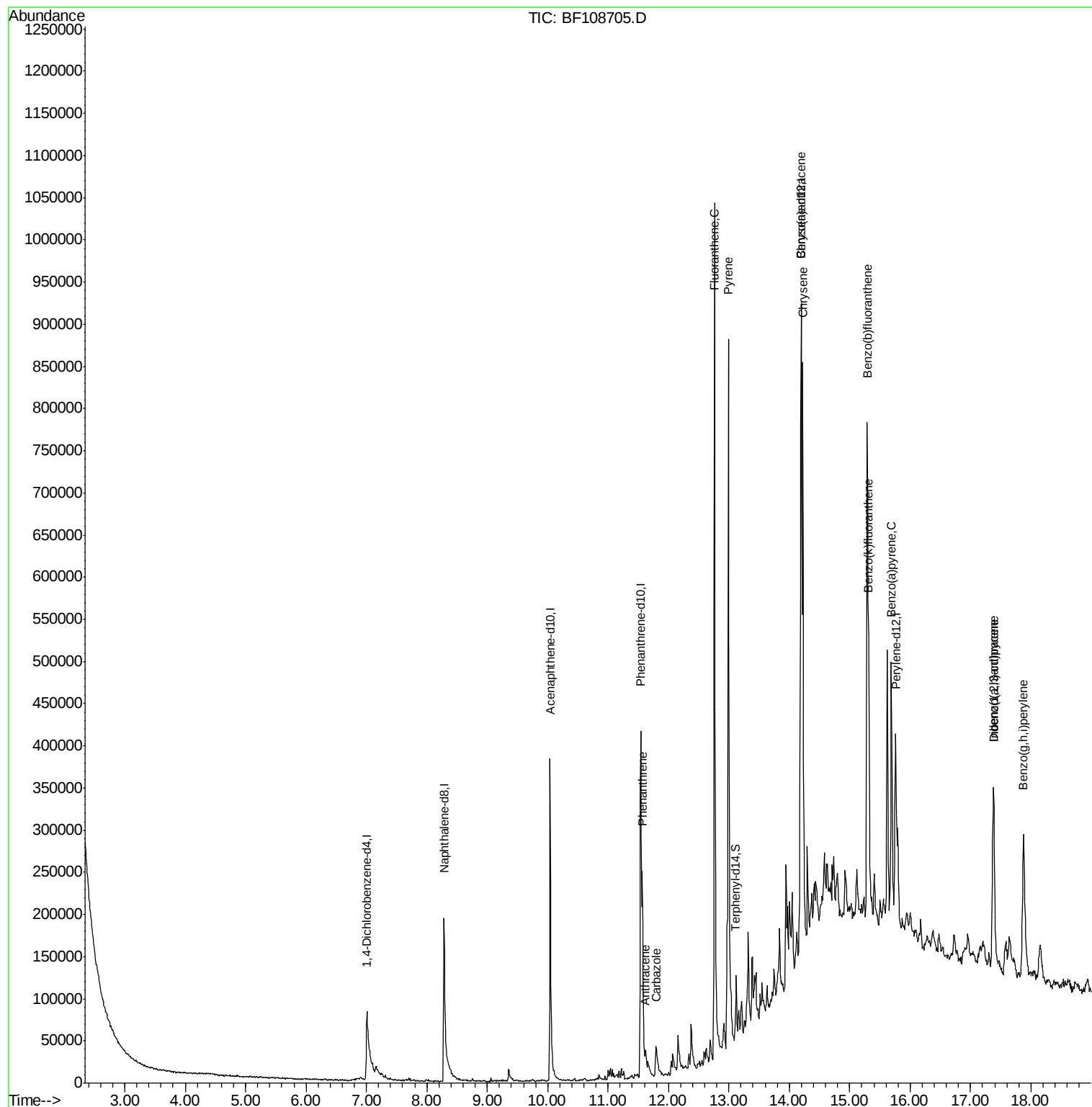
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083118\
Data File : BF108705.D
Acq On : 31 Aug 2018 22:31
Operator : JU/SJ
Sample : J4712-11 4X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
DW-06

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

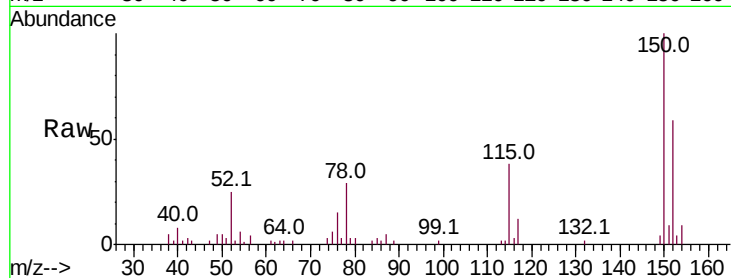
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Instrument :
BNA_F
ClientSampled :
DW-06

Tot Ion	Ratio	Lower	Upper
152	100		
150	168.9	124.6	186.8
115	64.1	50.1	75.1

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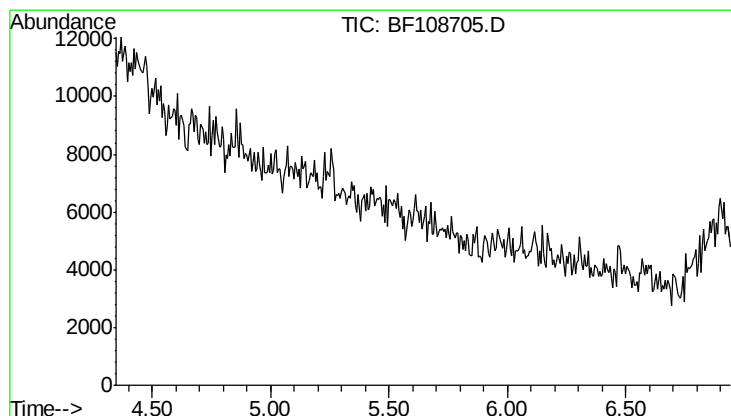
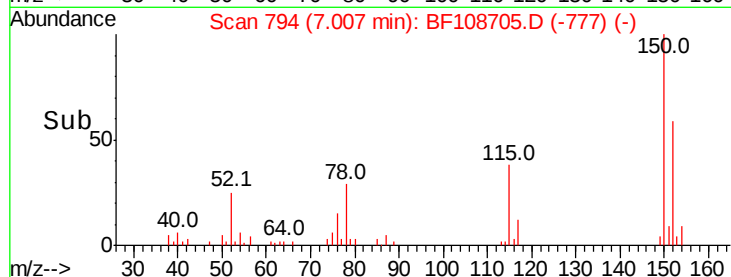
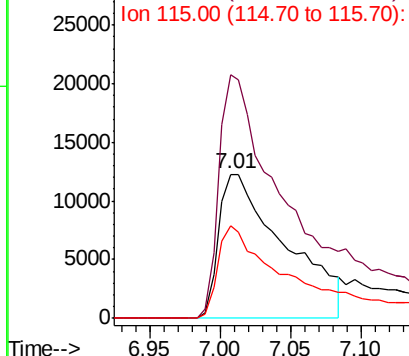


Abundance

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

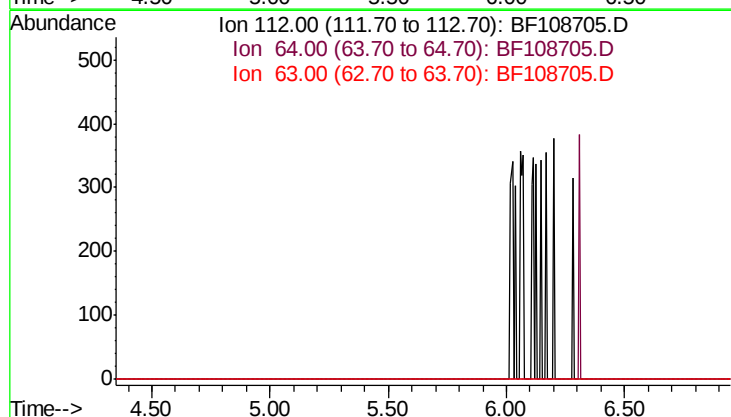


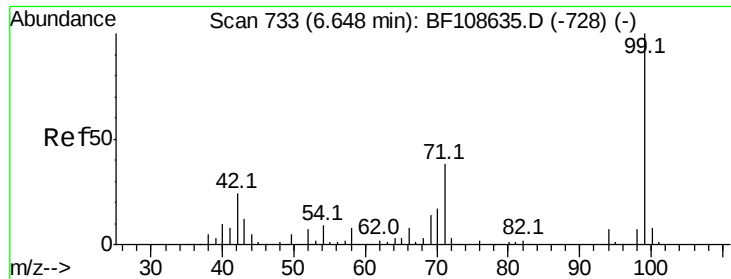
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.65 min

Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Tgt Ion	Exp Ratio
112	100
64	59.9
63	29.6





#7

Phenol-d6

Concen: 0.034 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.09 min

Lab File: BF108705.D

Acq: 31 Aug 2018 22:31

Instrument :

BNA_F

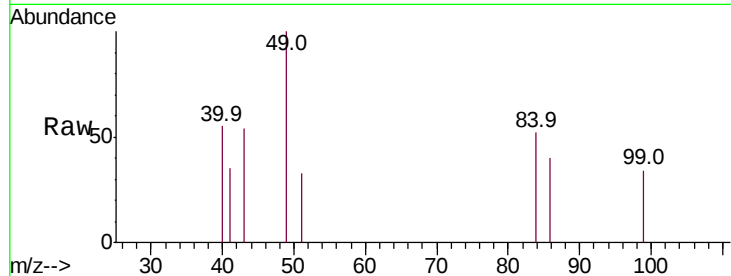
ClientSampled :

DW-06

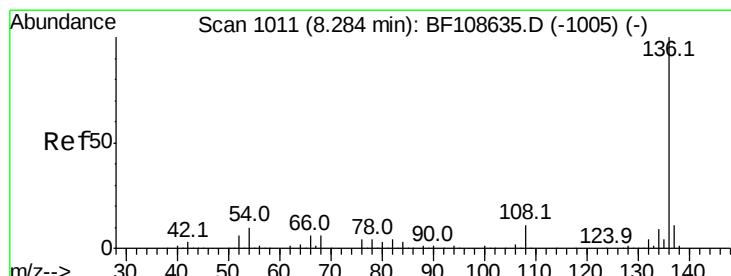
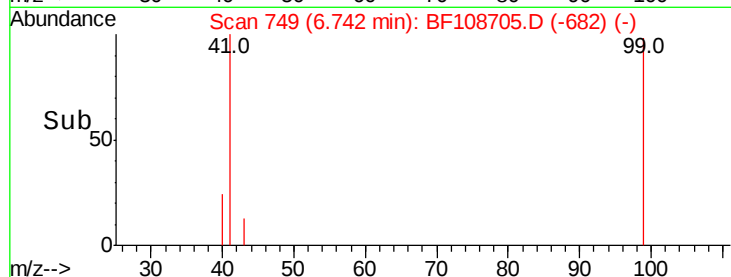
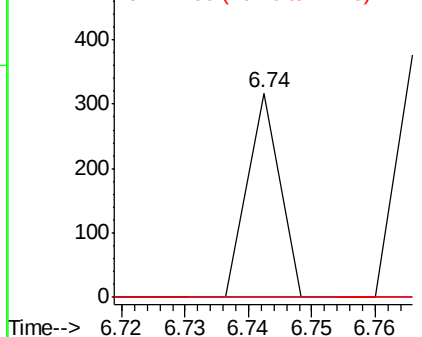
Tot Ion:	99	Resp:	112
Ion Ratio	Lower	Upper	
99	100		
42	0.0	14.5	21.7#
71	0.0	25.4	38.0#

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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: 8.28 min Scan# 1011

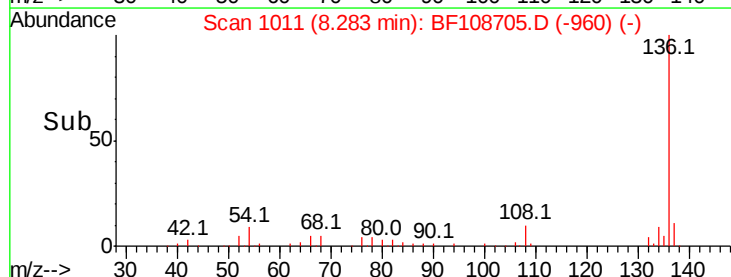
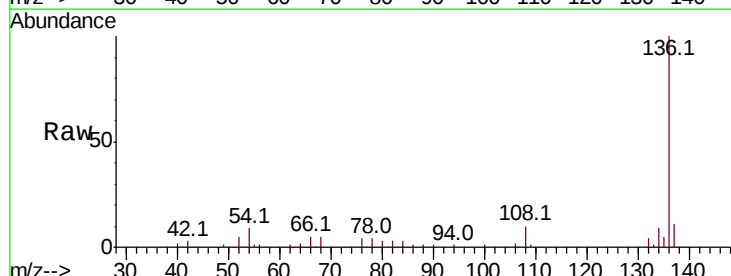
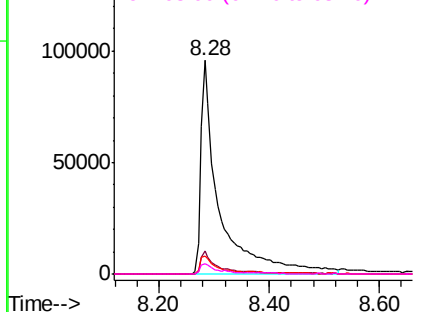
Delta R.T. -0.00 min

Lab File: BF108705.D

Acq: 31 Aug 2018 22:31

Tgt Ion:	136	Resp:	223078
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.6	6.6	9.8
68	5.1	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





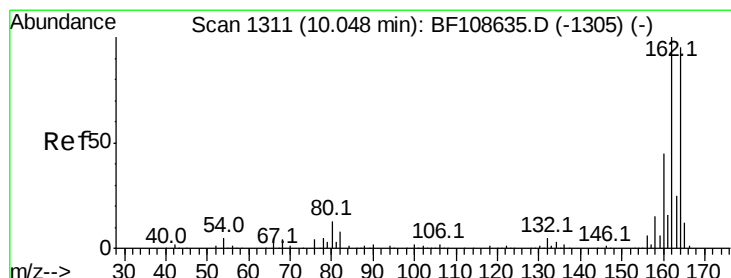
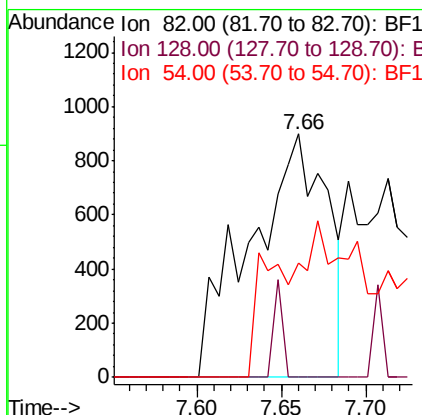
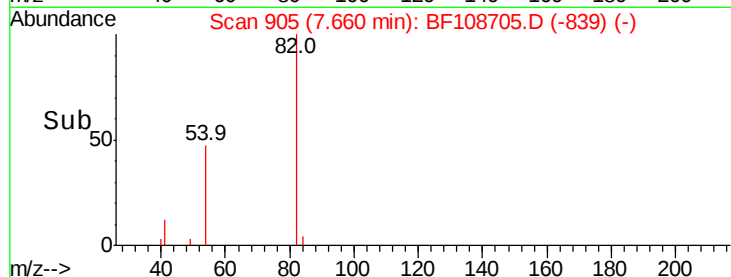
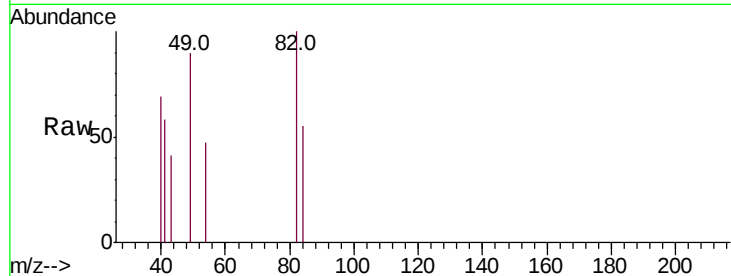
#23
Nitrobenzene-d5
Concen: 0.650 ng
RT: 7.66 min Scan# 905
Delta R.T. 0.09 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Instrument :
BNA_F
ClientSampled :
DW-06

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	36.1	54.1#
54	46.7	41.4	62.2

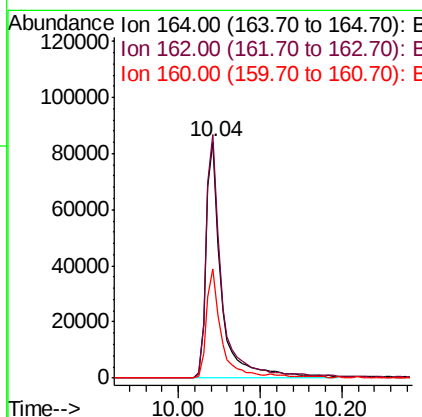
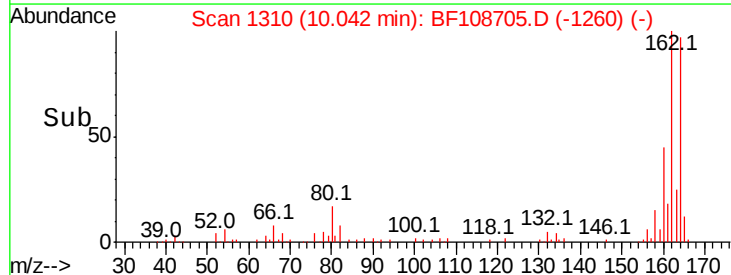
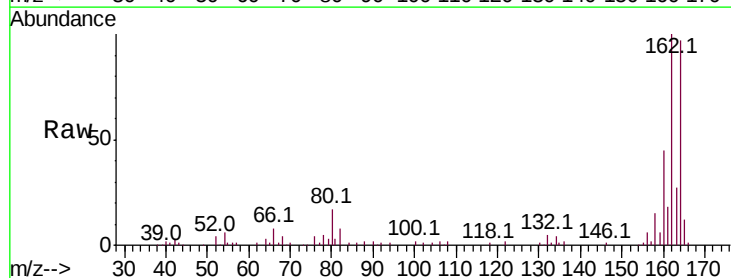
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	86.1	129.1
160	46.2	38.3	57.5





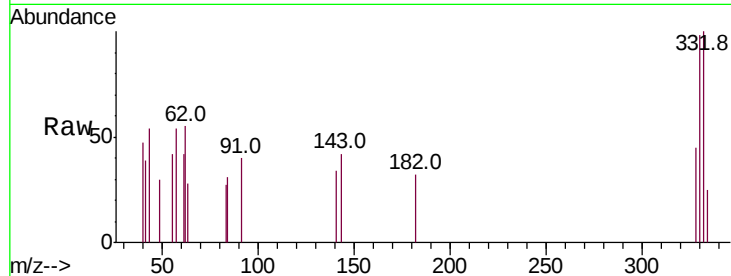
#41
 2,4,6-Tribromophenol
 Concen: 1.734 ng
 RT: 10.85 min Scan# 1447
 Delta R.T. -0.00 min
 Lab File: BF108705.D
 Acq: 31 Aug 2018 22:31

Instrument :
 BNA_F
 ClientSampled :
 DW-06

Tot Ion	Ratio	Resp	Lower	Upper
330	100	2554		
332	94.4		77.0	115.6
141	22.8		29.9	44.9#

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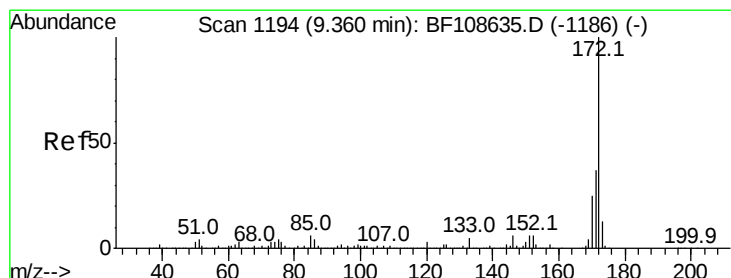
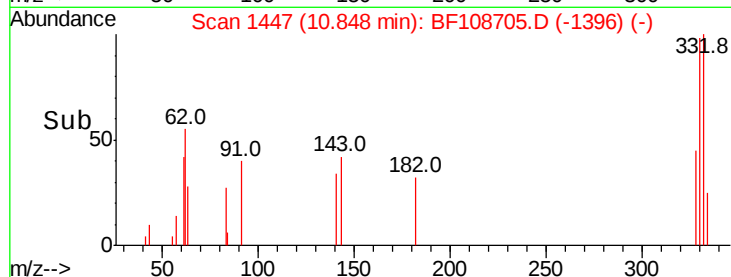
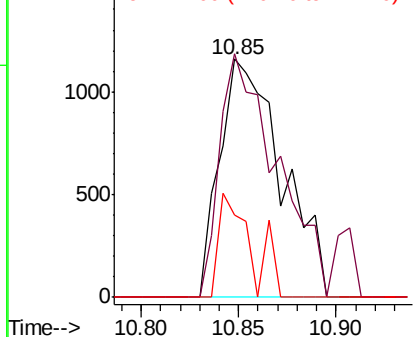


Abundance

Ion 329.80 (329.50 to 330.50): E

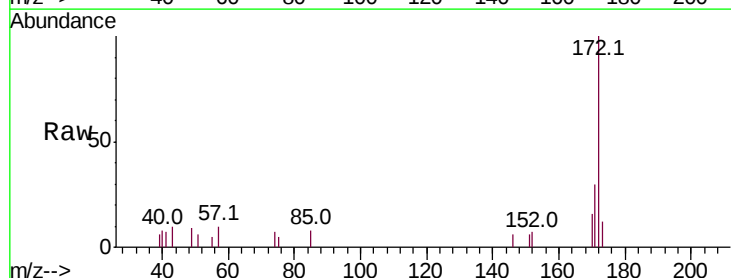
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 1.788 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108705.D
 Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	14838		
171	30.0		29.7	44.5
170	16.5		19.6	29.4#

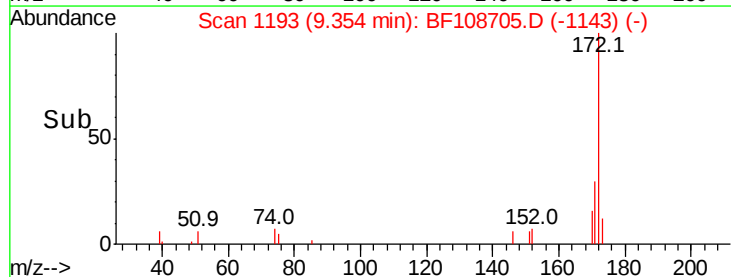
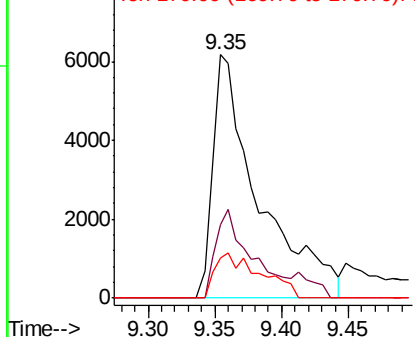


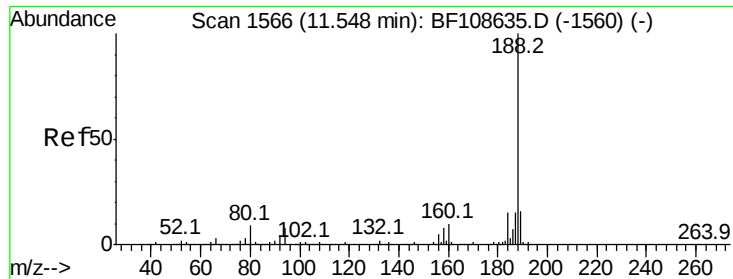
Abundance

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





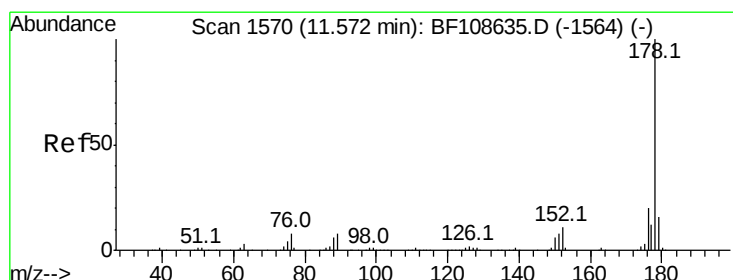
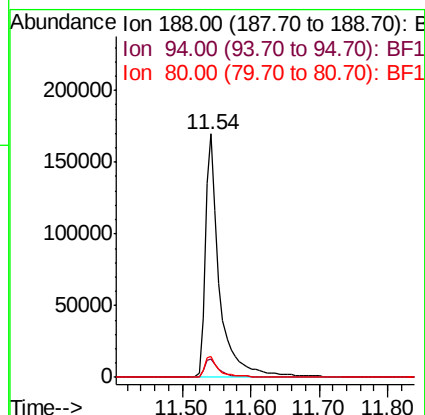
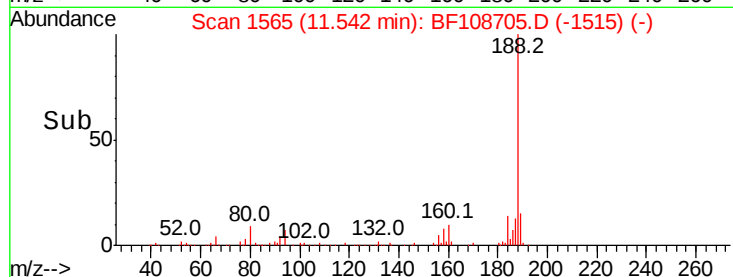
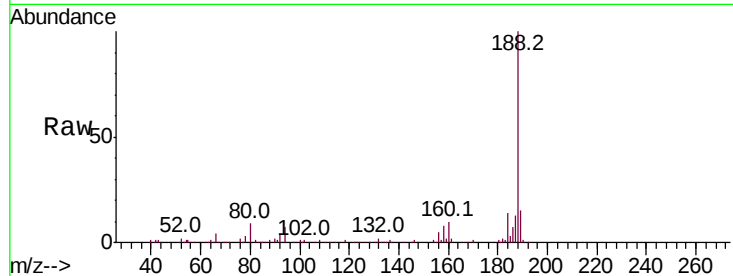
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Instrument :
BNA_F
ClientSampleId :
DW-06

Tot Ion	Ratio	Resp	Lower	Upper
188	100	249671		
94	7.3	8.5	12.7#	
80	8.8	9.2	13.8#	

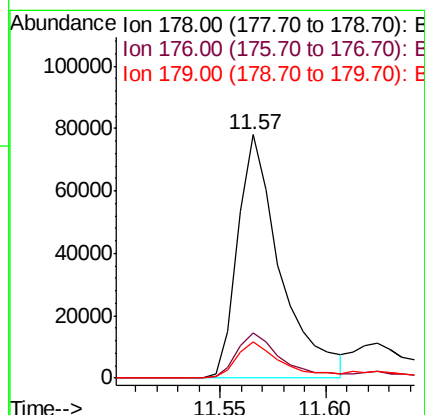
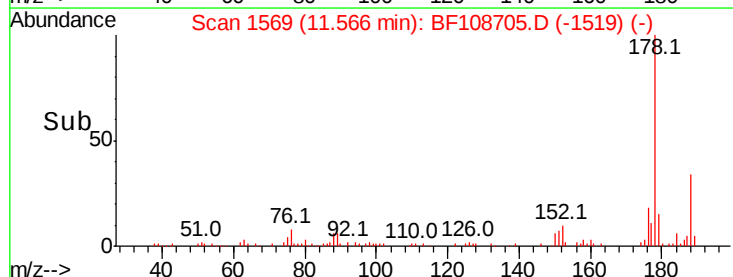
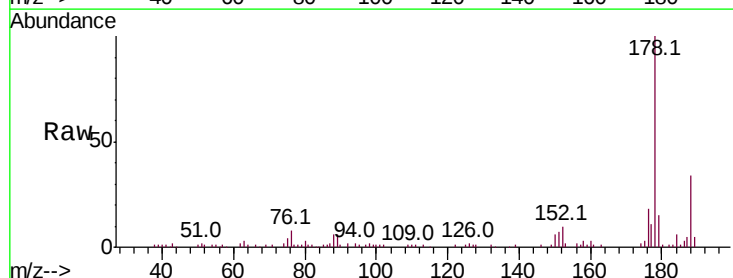
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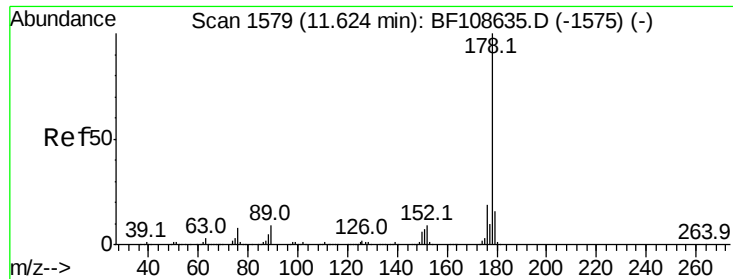
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#70
Phenanthrene
Concen: 8.649 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	109002		
176	18.3	15.8	23.8	
179	14.7	13.0	19.6	





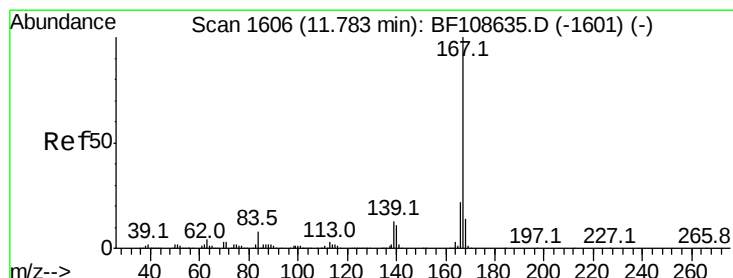
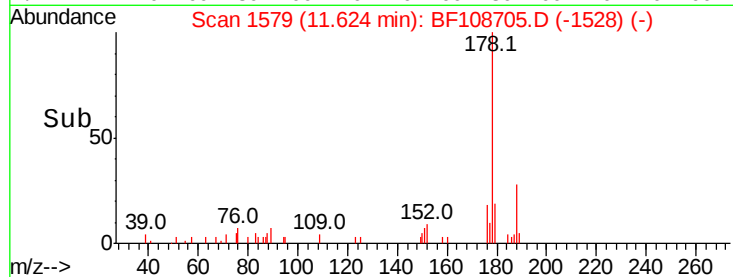
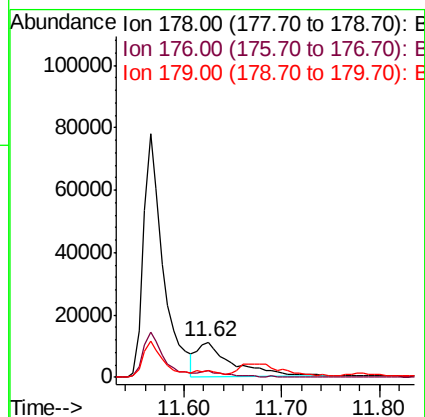
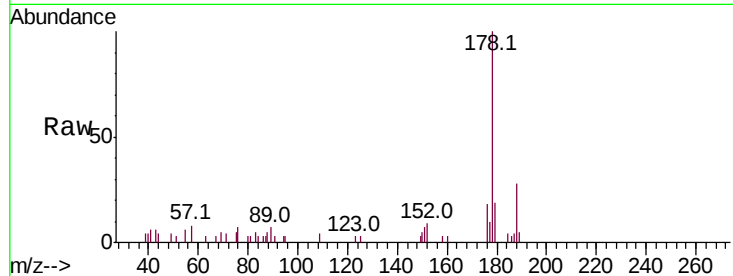
#71
 Anthracene
 Concen: 2.189 ng
 RT: 11.62 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: BF108705.D
 Acq: 31 Aug 2018 22:31

Instrument :
 BNA_F
 ClientSampled :
 DW-06

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	18.6	12.6	19.0

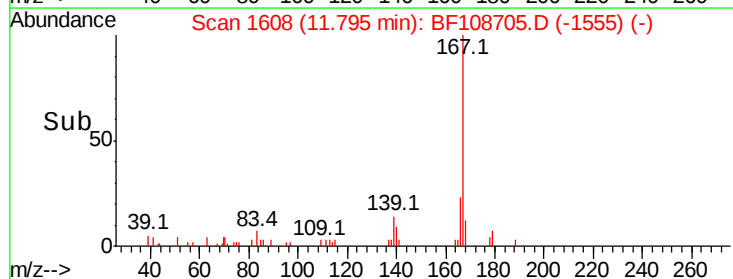
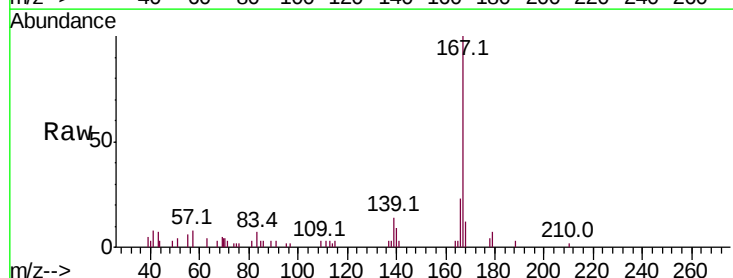
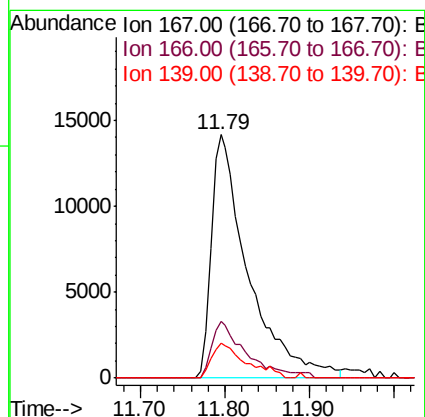
Manual Integrations
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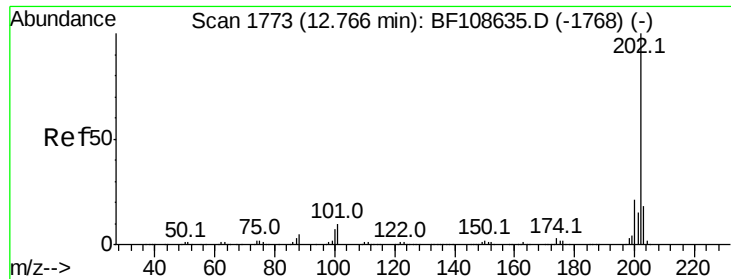
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#72
 Carbazole
 Concen: 3.363 ng
 RT: 11.79 min Scan# 1608
 Delta R.T. 0.01 min
 Lab File: BF108705.D
 Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.6	26.4
139	14.3	10.9	16.3





#74

Fluoranthene

Concen: 40.235 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108705.D

Acq: 31 Aug 2018 22:31

Instrument :

BNA_F

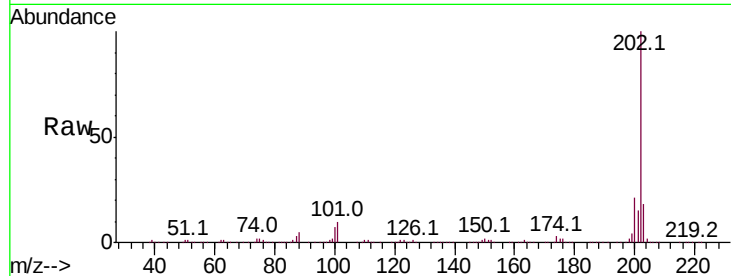
ClientSampleId :

DW-06

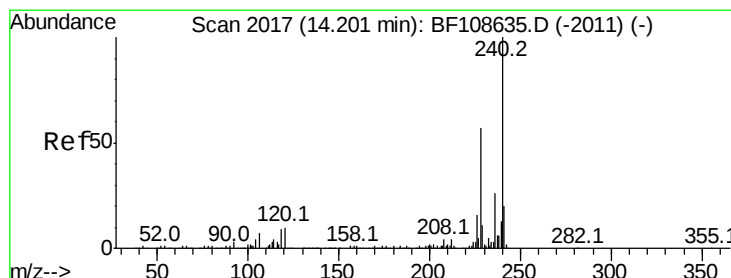
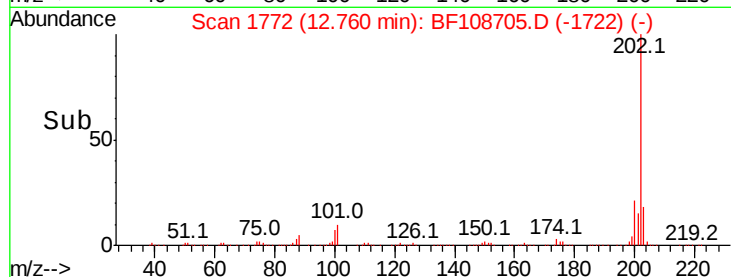
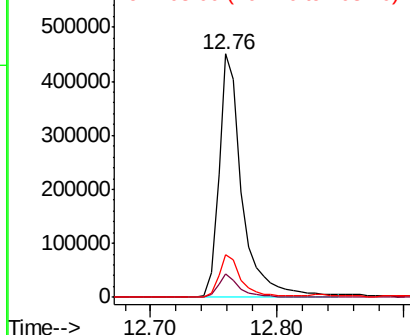
Tot Ion:	202	Resp:	570745
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
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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: 14.20 min Scan# 2017

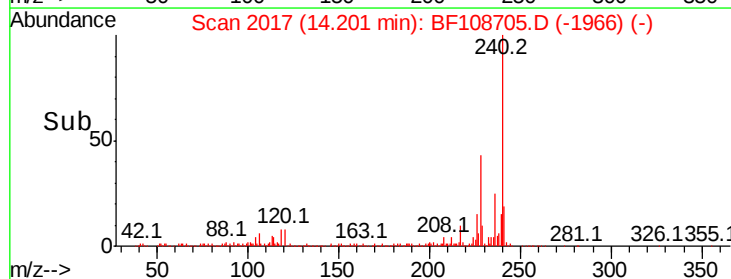
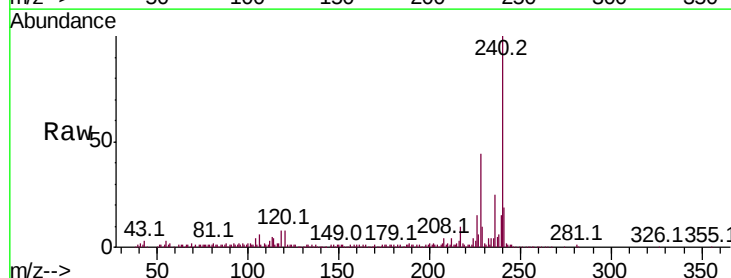
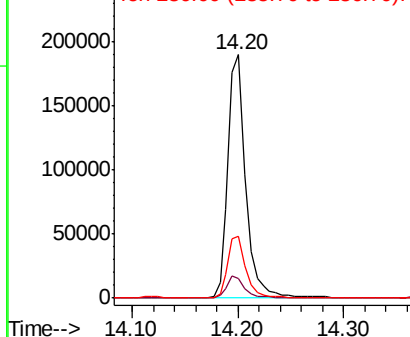
Delta R.T. -0.00 min

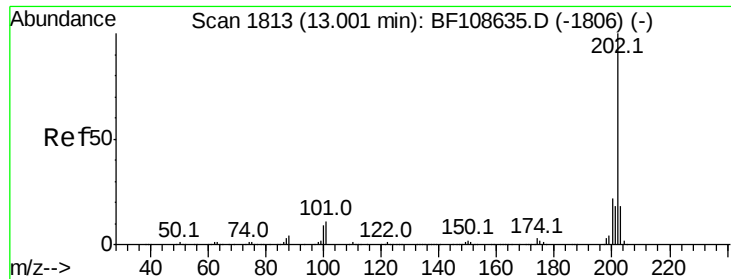
Lab File: BF108705.D

Acq: 31 Aug 2018 22:31

Tgt Ion:	240	Resp:	222429
Ion Ratio	Lower	Upper	
240	100		
120	8.1	9.5	14.3#
236	25.4	20.7	31.1

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





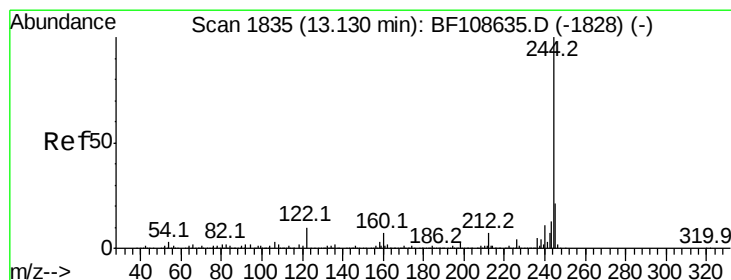
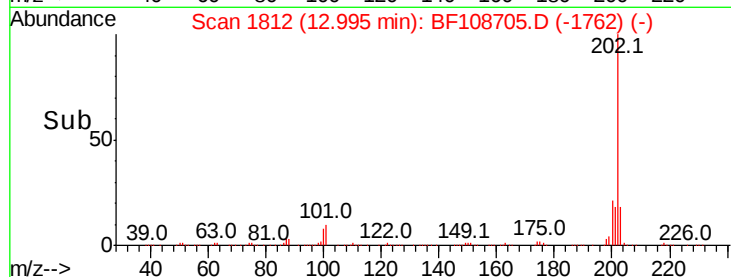
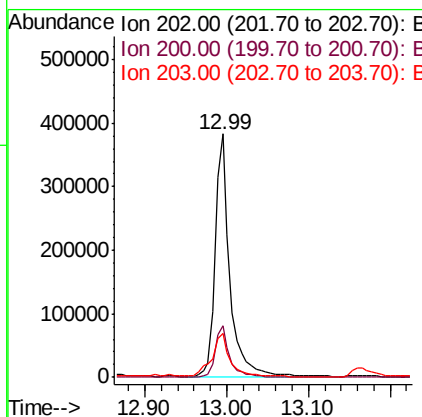
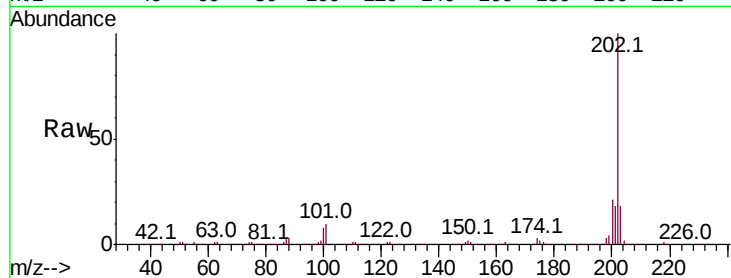
#77
Pvrene
Concen: 28.450 ng
RT: 12.99 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Instrument :
BNA_F
ClientSampled :
DW-06

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.0	14.3	21.5

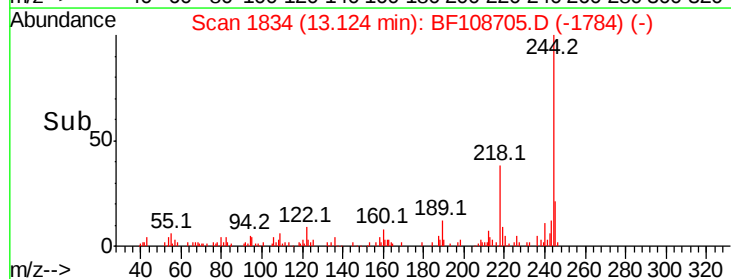
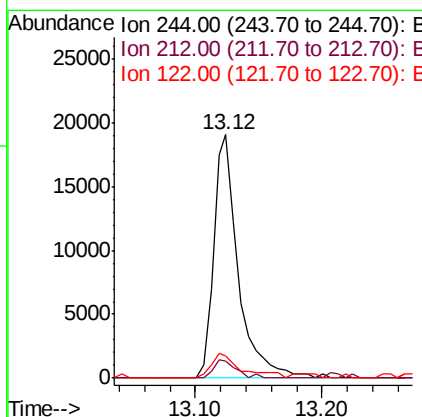
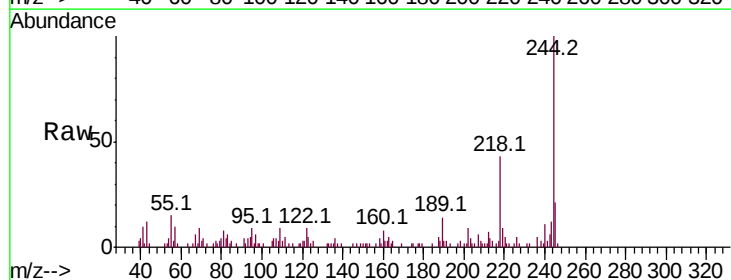
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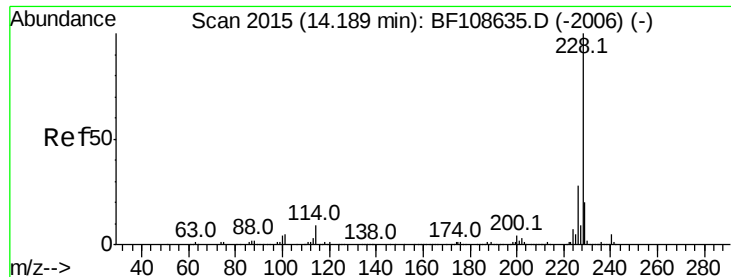
Sohil
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#78
Terphenyl-d14
Concen: 2.263 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	9.3	11.0	16.4





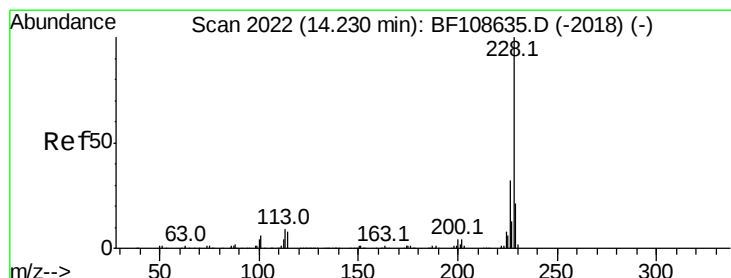
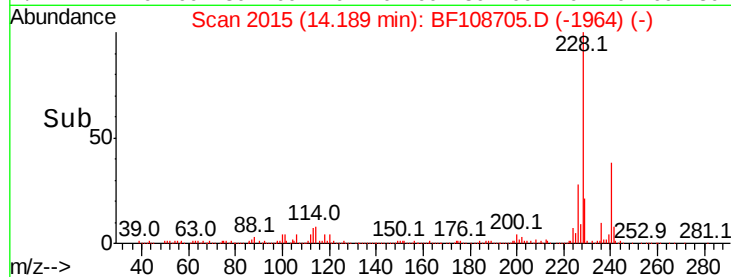
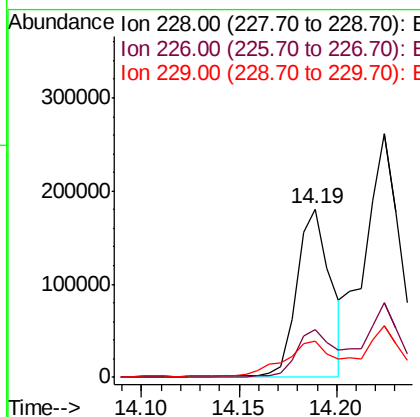
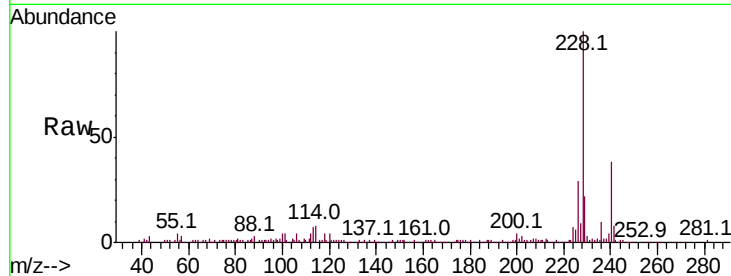
#80
Benzo(a)anthracene
Concen: 16.030 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Instrument :
BNA_F
ClientSampleId :
DW-06

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.6	15.8	23.6

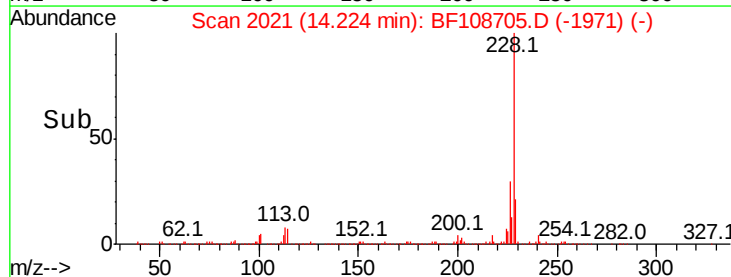
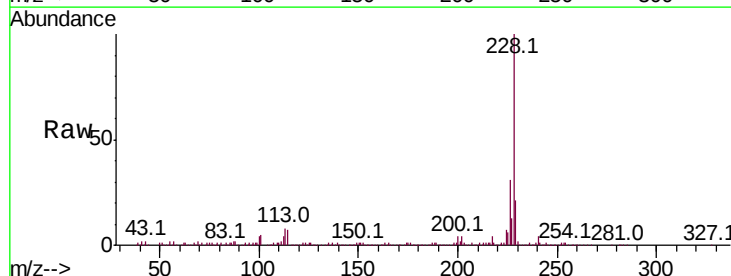
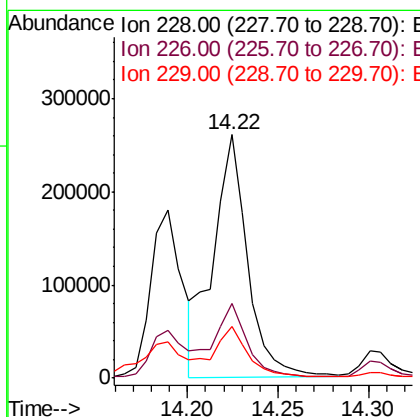
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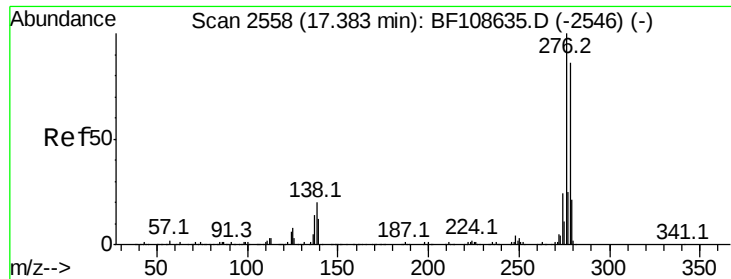
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#82
Chrysene
Concen: 26.501 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.0	16.2	24.4





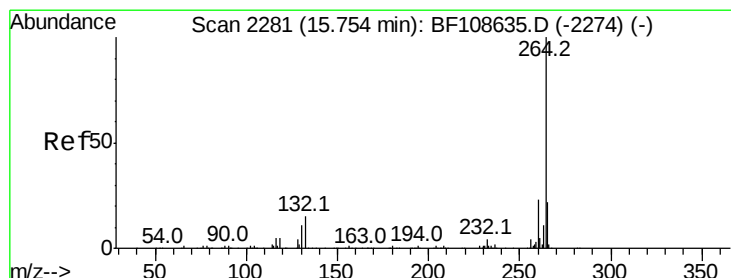
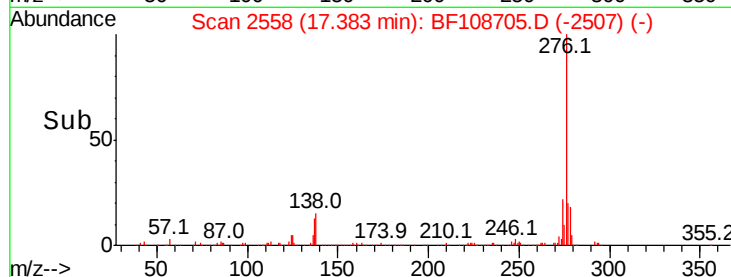
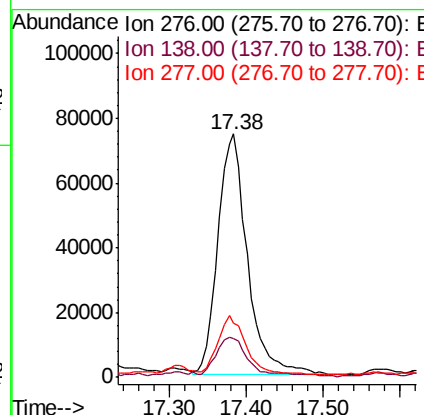
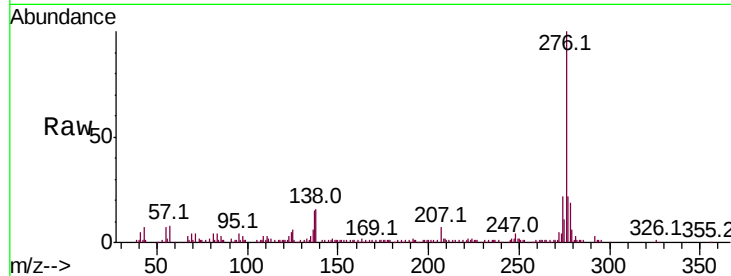
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.719 ng
 RT: 17.38 min Scan# 2558
 Delta R.T. -0.00 min
 Lab File: BF108705.D
 Acq: 31 Aug 2018 22:31

Instrument :
 BNA_F
 ClientSampleID :
 DW-06

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	25.0	37.6#
277	23.5	20.1	30.1

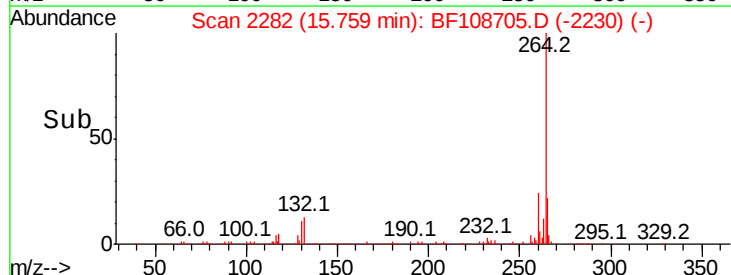
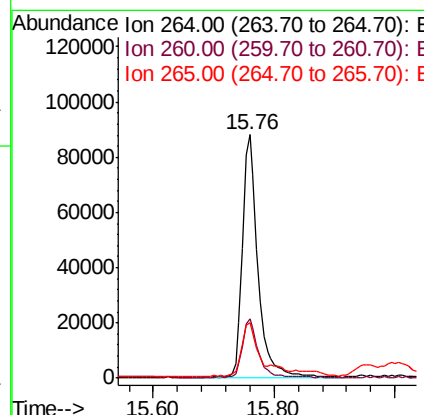
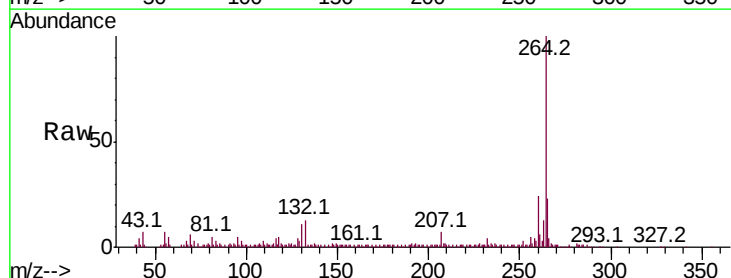
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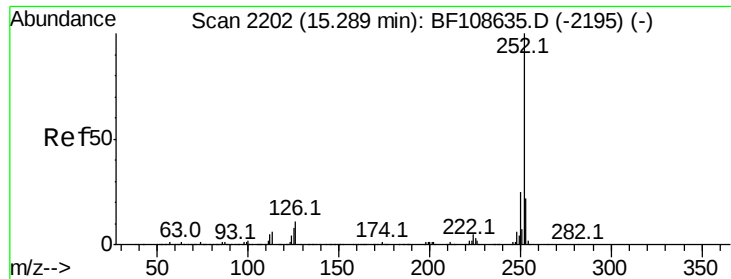
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.76 min Scan# 2282
 Delta R.T. 0.01 min
 Lab File: BF108705.D
 Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 44.928 ng m

RT: 15.29 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BF108705.D

Acq: 31 Aug 2018 22:31

Instrument :

BNA_F

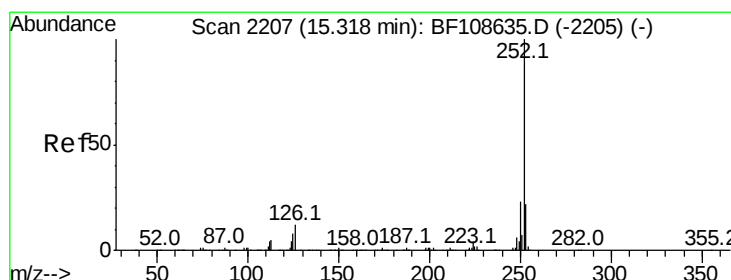
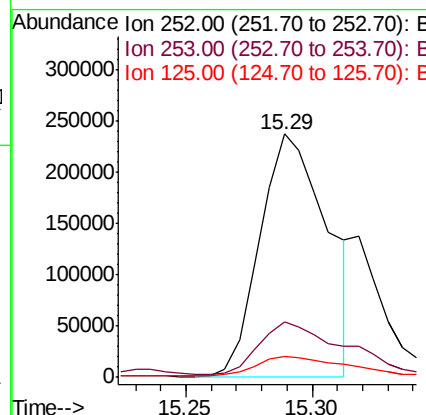
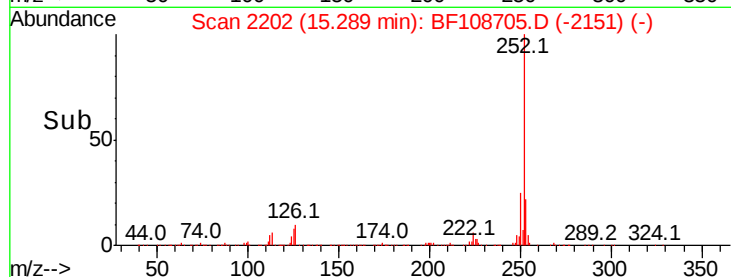
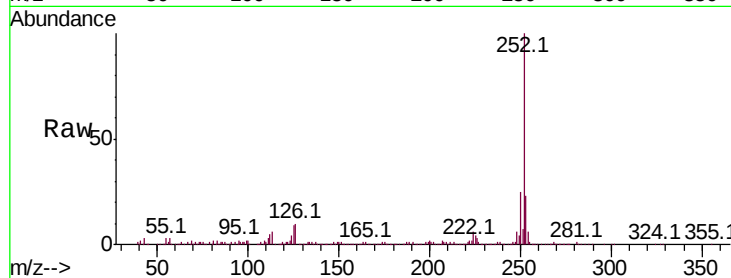
ClientSampleId :

DW-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	8.5	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 13.299 ng m

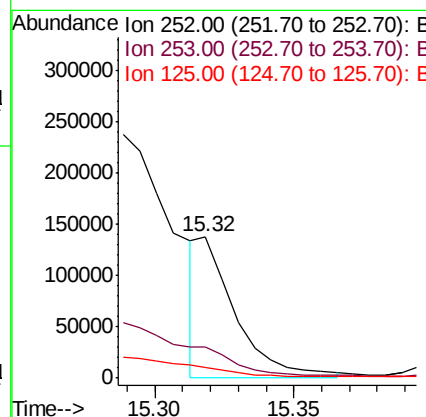
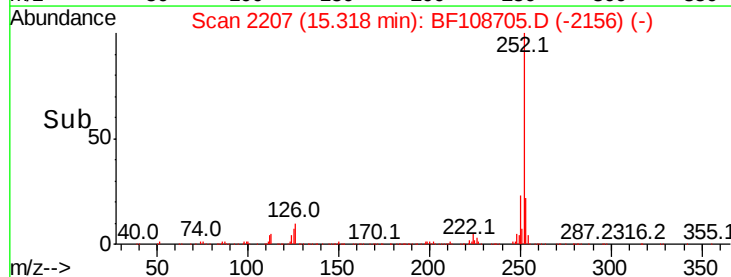
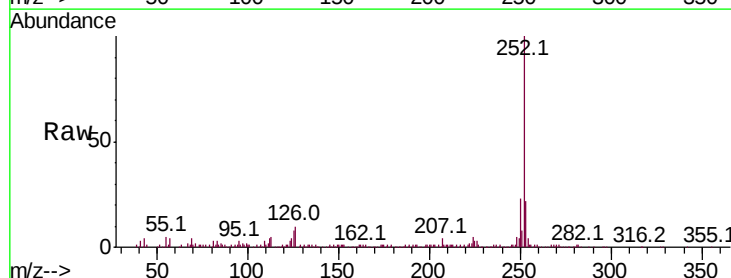
RT: 15.32 min Scan# 2207

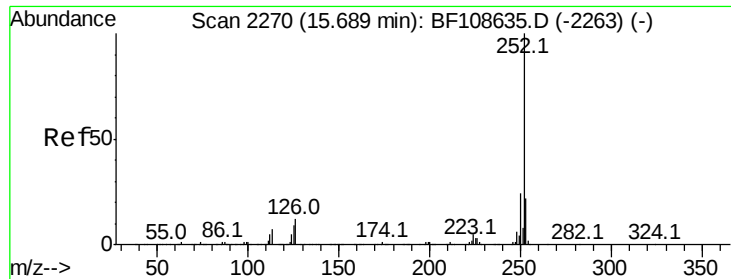
Delta R.T. -0.00 min

Lab File: BF108705.D

Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	7.9	10.2	15.2#





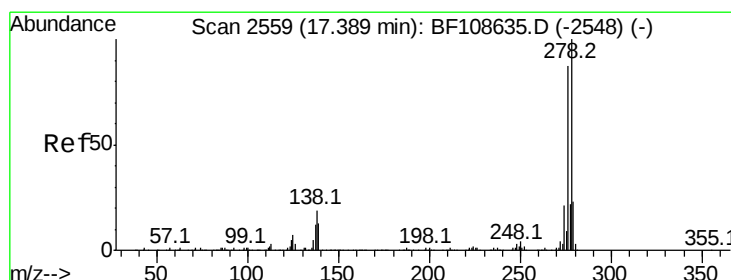
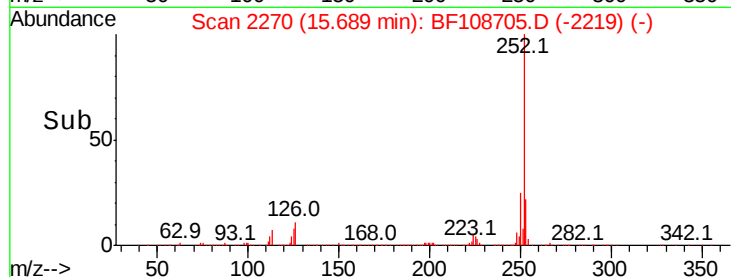
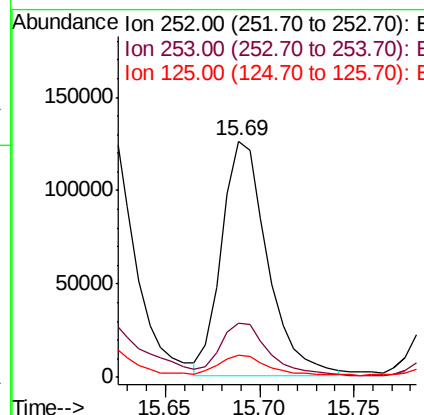
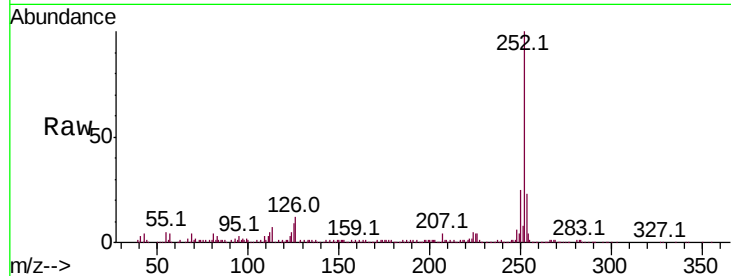
#89
Benzo(a)pyrene
Concen: 23.931 ng m
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Instrument :
BNA_F
ClientSampleId :
DW-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	9.4	9.8	14.6

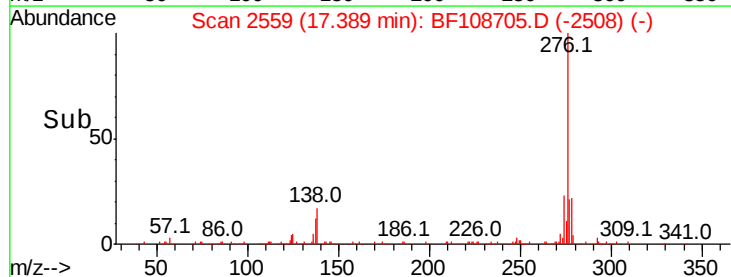
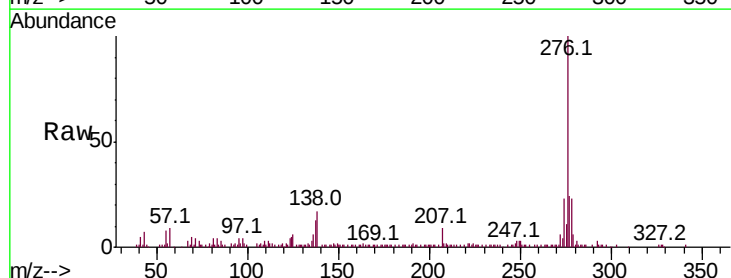
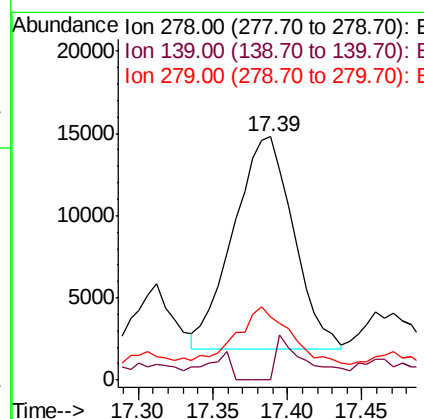
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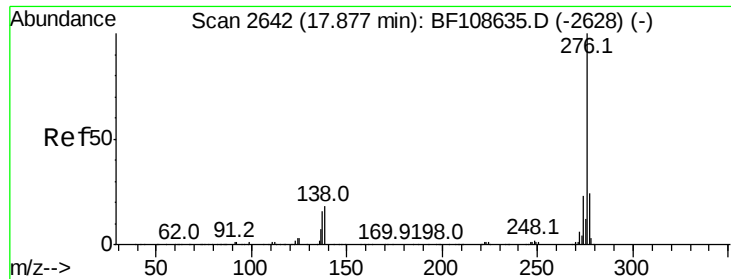
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#90
Dibenzo(a,h)anthracene
Concen: 5.043 ng m
RT: 17.39 min Scan# 2559
Delta R.T. -0.00 min
Lab File: BF108705.D
Acq: 31 Aug 2018 22:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	26.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 29.517 ng
 RT: 17.88 min Scan# 2642
 Delta R.T. -0.00 min
 Lab File: BF108705.D
 Acq: 31 Aug 2018 22:31

Instrument :
 BNA_F
 ClientSampleId :
 DW-06

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	16.3	21.8	32.8

Manual Integrations
 APPROVED

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