

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
 Data File : BF108363.D
 Acq On : 22 Aug 2018 3:04
 Operator : JU/SJ
 Sample : J4271-09 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-A

Manual Integrations
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Quant Time: Aug 22 03:58:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	159924	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	596565	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	271361	20.00	ng	-0.02
63) Phenanthrene-d10	11.55	188	453718	20.00	ng	-0.01
75) Chrysene-d12	14.20	240	365813	20.00	ng	-0.02
86) Perylene-d12	15.76	264	307557	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	197797	22.39	ng	0.00
7) Phenol-d6	6.62	99	270008	23.00	ng	-0.01
23) Nitrobenzene-d5	7.56	82	166681	15.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	52609	19.44	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	300111	17.76	ng	-0.02
78) Terphenyl-d14	13.13	244	242436	16.85	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.75	163	43734	2.314	ng	Qvalue # 98
51) Acenaphthene	10.08	154	32135	2.099	ng	97
57) Fluorene	10.60	166	68624	3.908	ng	99
70) Phenanthrene	11.57	178	436735	20.408	ng	99
71) Anthracene	11.62	178	130217	5.937	ng	98
74) Fluoranthene	12.77	202	505402	21.639	ng	96
77) Pyrene	13.00	202	455564	19.670	ng	100
80) Benzo(a)anthracene	14.19	228	236259	11.254	ng	99
82) Chrysene	14.22	228	181536	9.432	ng	98
85) Indeno(1,2,3-cd)pyrene	17.37	276	69451	4.165	ng	# 89
87) Benzo(b)fluoranthene	15.29	252	220148m	11.979	ng	
88) Benzo(k)fluoranthene	15.31	252	68460m	4.052	ng	
89) Benzo(a)pyrene	15.69	252	152390	9.260	ng	97
91) Benzo(a,h,i)perylene	17.85	276	63716	4.752	ng	# 90

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

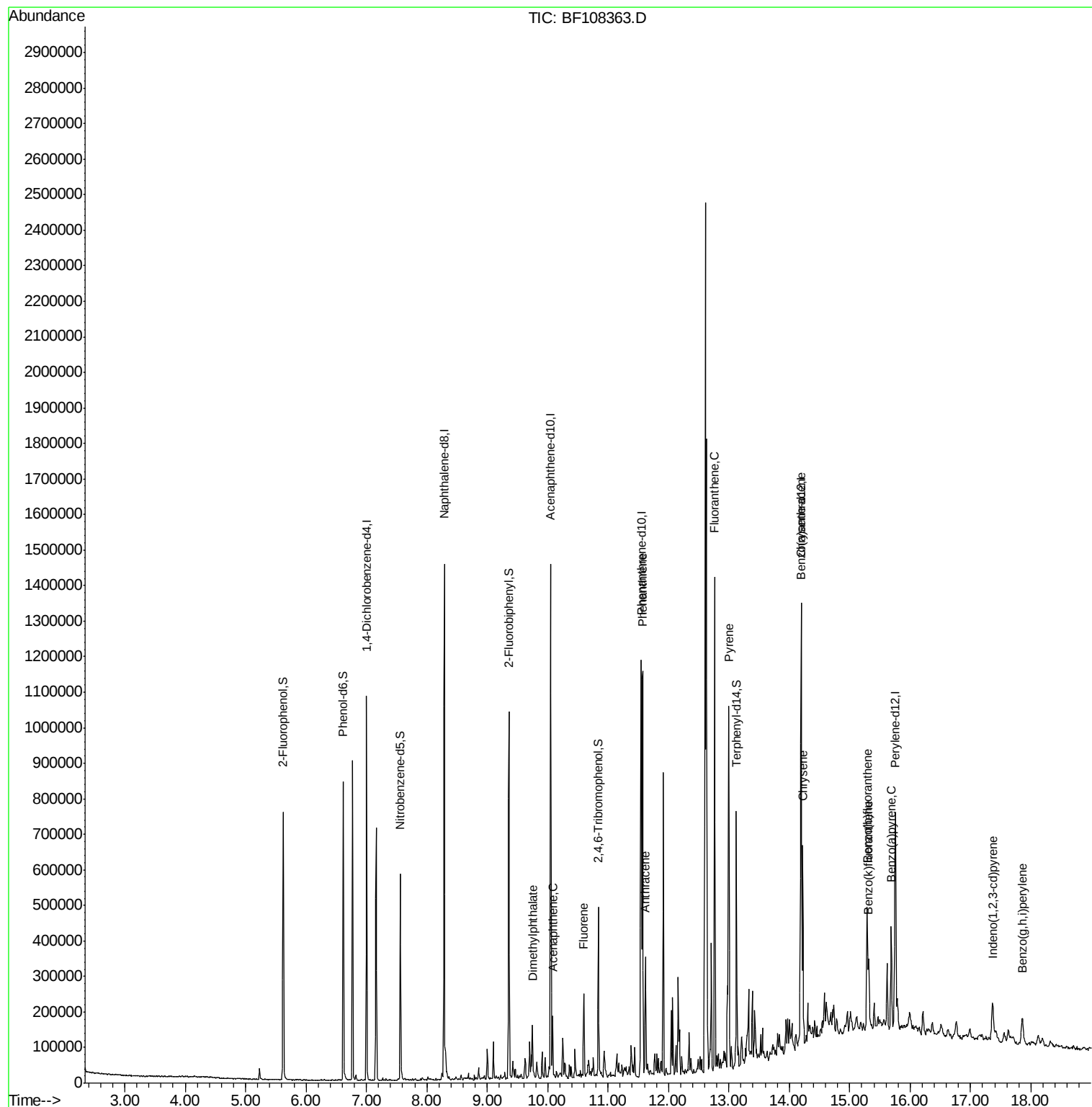
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082118\
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#1

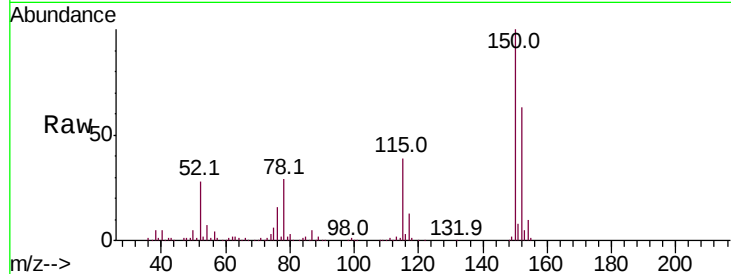
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	61.0	50.1	75.1

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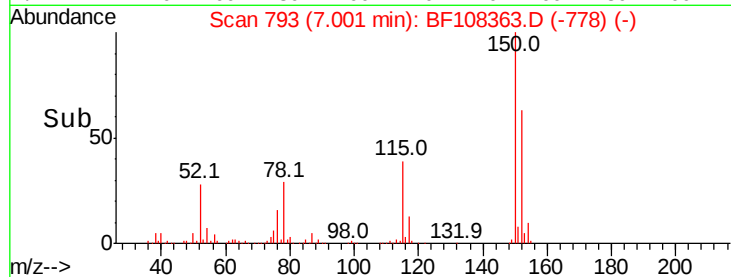
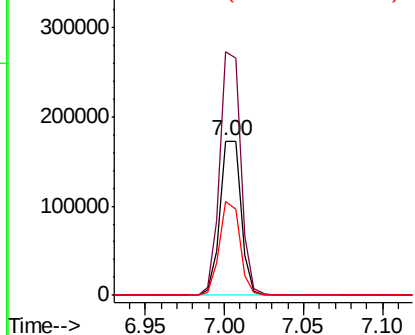


Abundance

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: 22.392 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

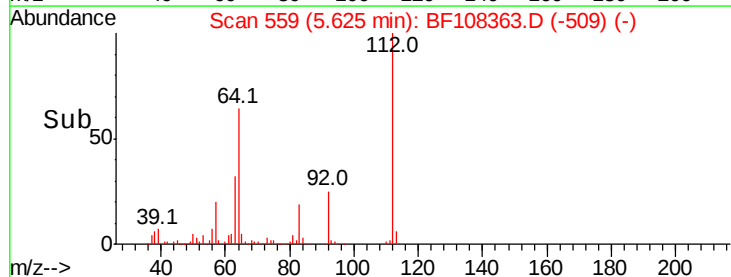
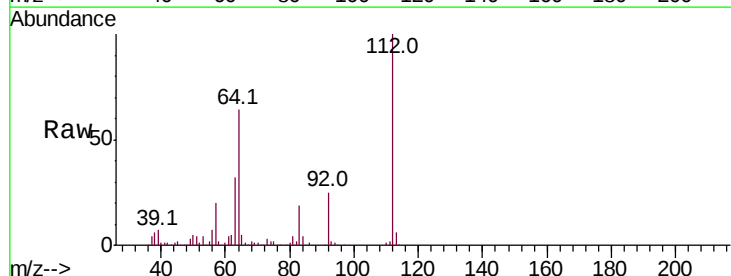
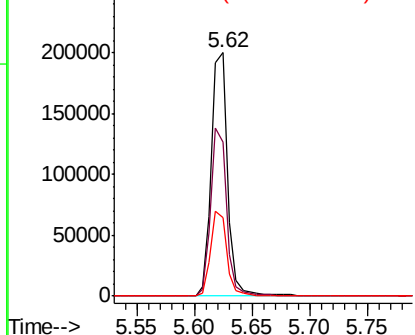
Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	47.9	71.9
63	32.4	23.7	35.5

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: 23.002 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108363.D

Acq: 22 Aug 2018 3:04

Instrument :

BNA_F

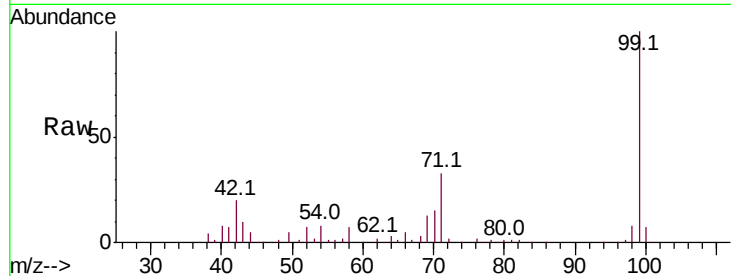
ClientSampleId :

HR-06-082018-A

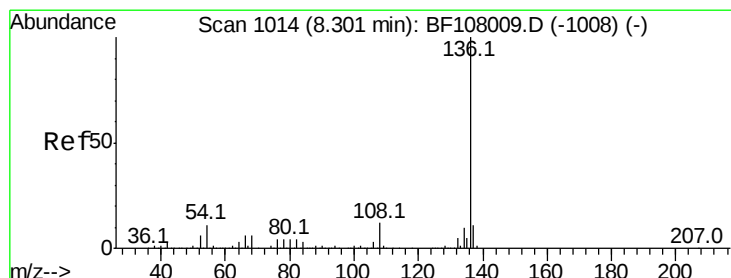
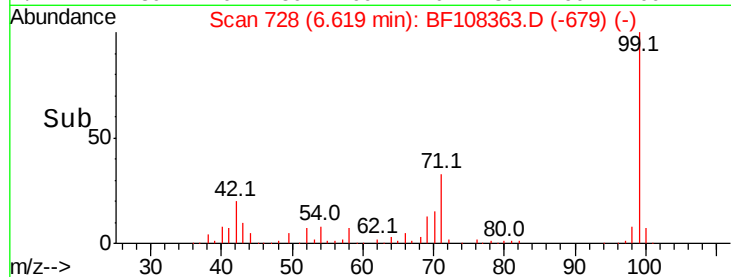
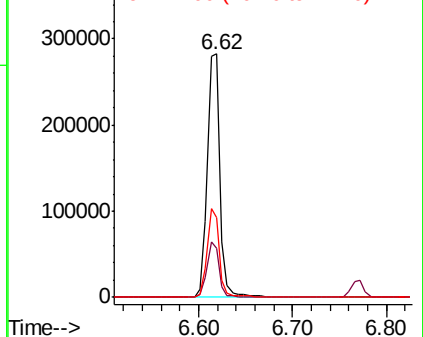
Tot Ion:	99	Resp:	270008
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.5	21.7
71	32.8	25.4	38.0

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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: 8.29 min Scan# 1012

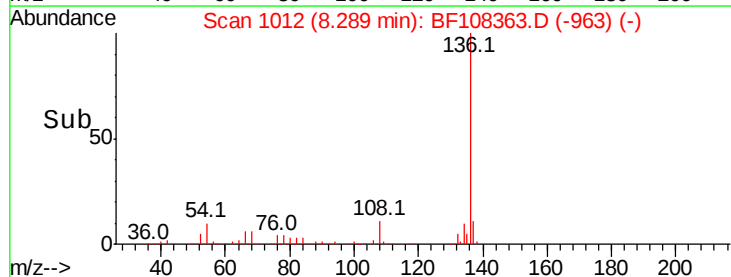
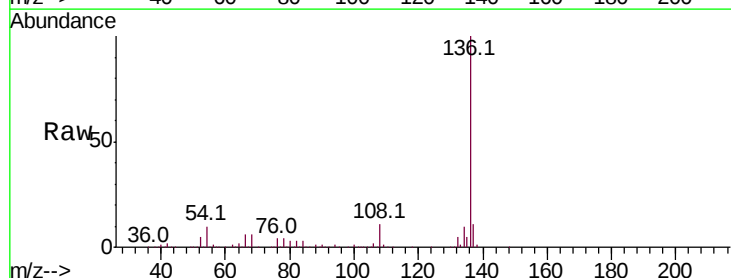
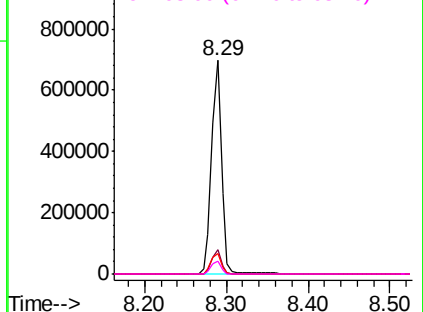
Delta R.T. -0.01 min

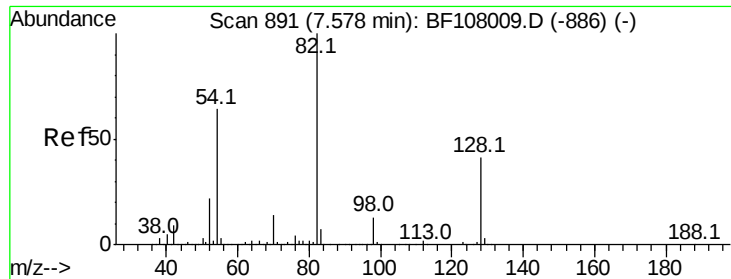
Lab File: BF108363.D

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Tgt Ion:	136	Resp:	596565
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.7	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





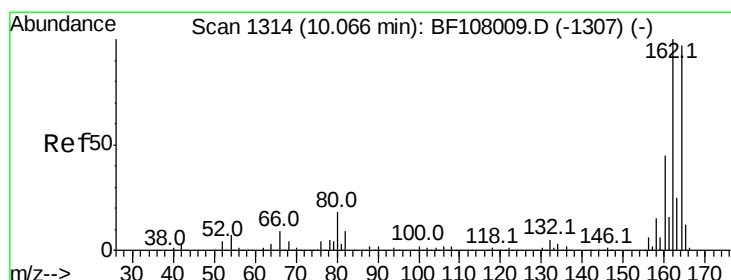
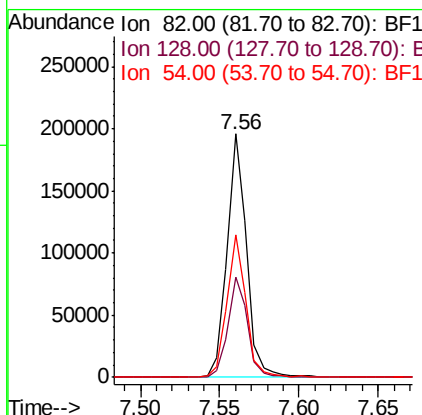
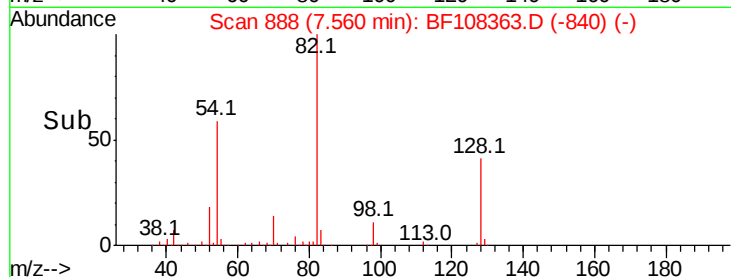
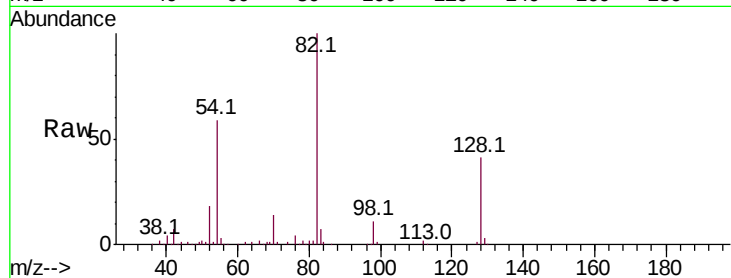
#23
 Nitrobenzene-d5
 Concen: 15.591 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.1	36.1	54.1
54	58.7	41.4	62.2

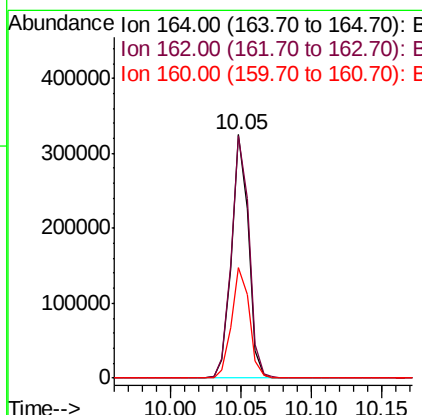
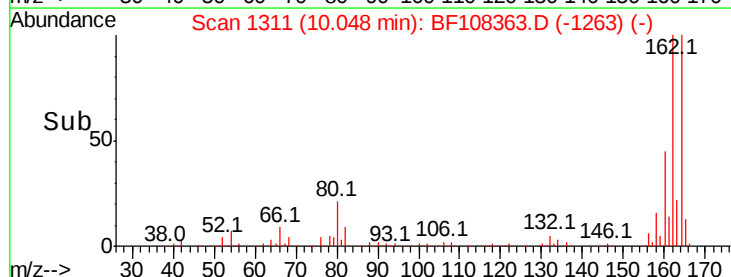
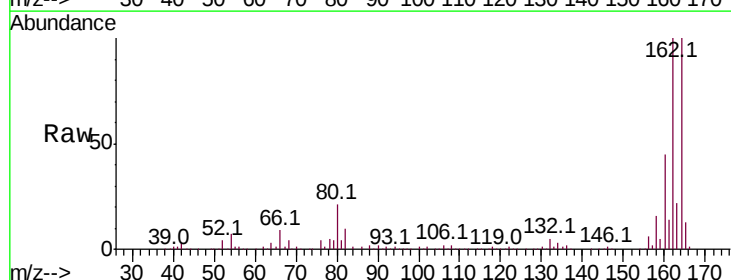
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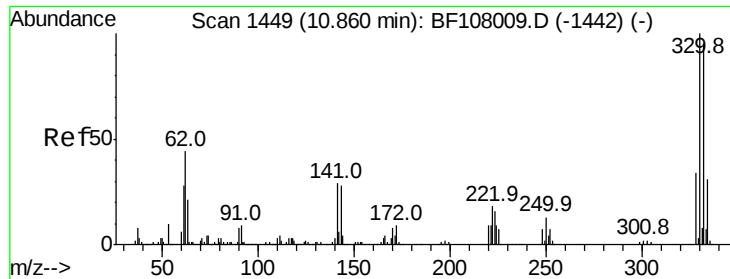
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	86.1	129.1
160	45.2	38.3	57.5





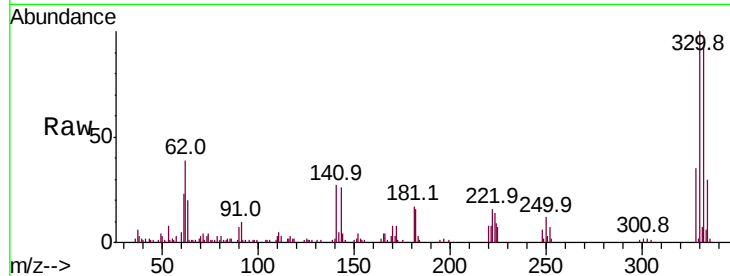
#41
 2,4,6-Tribromophenol
 Concen: 19.436 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-A

Tot Ion:	330	Resp:	52609
Ion Ratio	Lower	Upper	
330	100		
332	93.9	77.0	115.6
141	34.7	29.9	44.9

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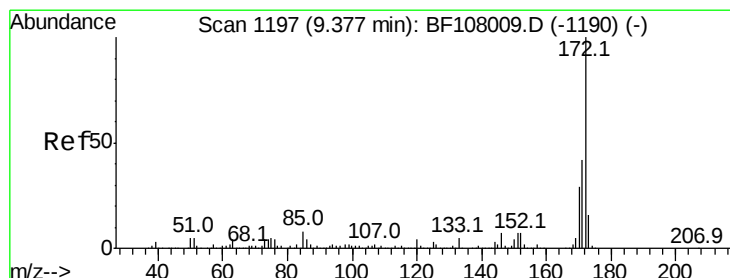
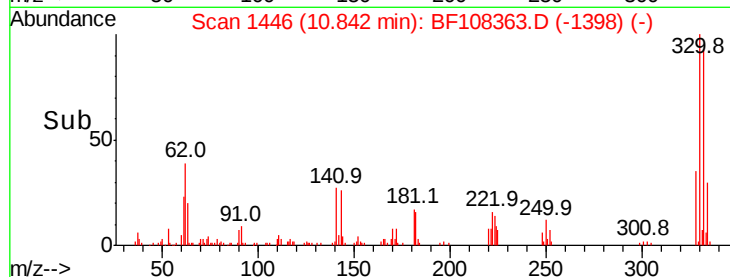
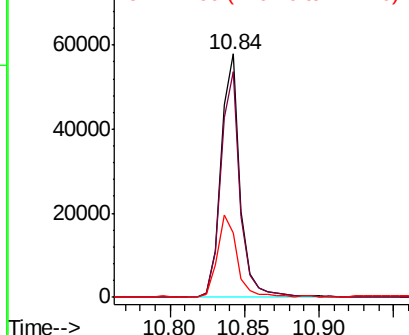


Abundance

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: 17.756 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.02 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

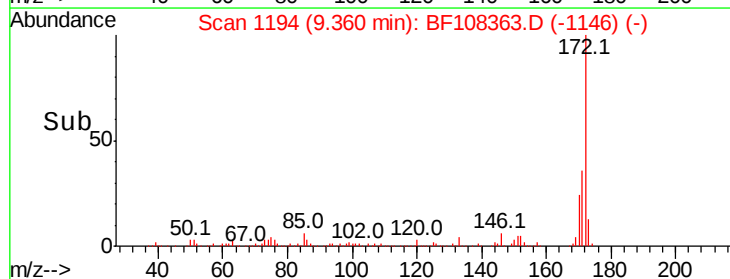
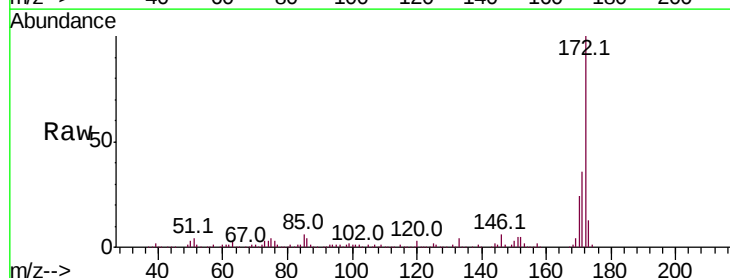
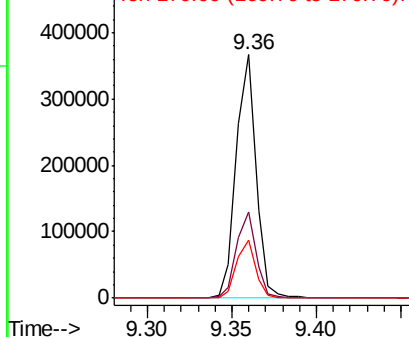
Tgt Ion:	172	Resp:	300111
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.7	44.5
170	24.0	19.6	29.4

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





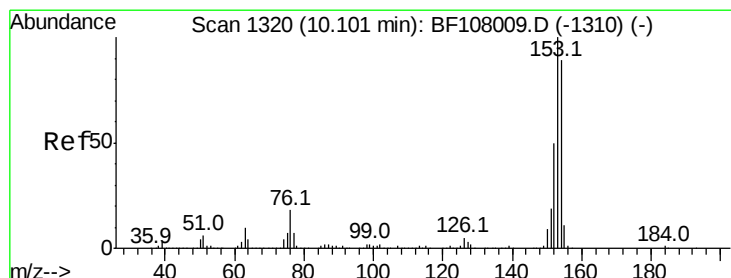
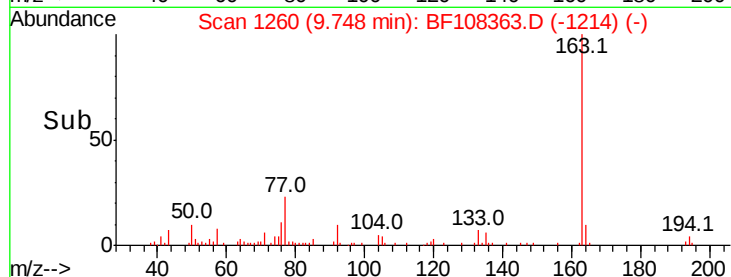
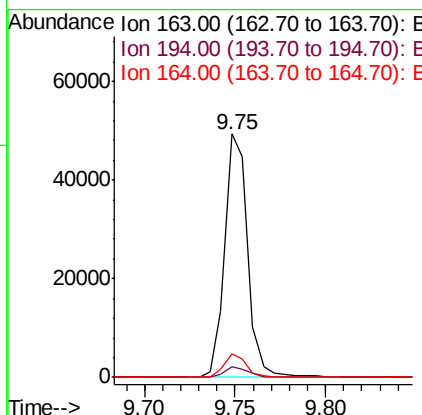
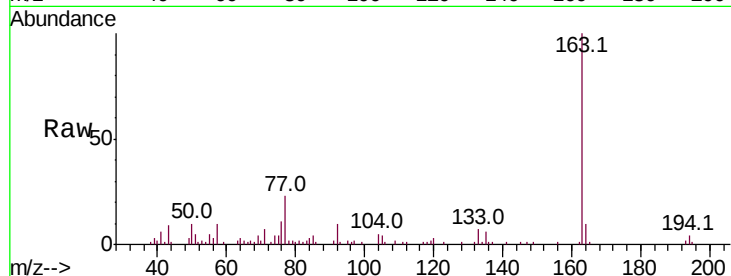
#49
 Dimethylphthalate
 Concen: 2.314 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.03 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-A

Tot Ion:	163	Resp:	43734
Ion Ratio	Lower	Upper	
163	100		
194	4.4	2.7	4.1#
164	9.7	8.2	12.2

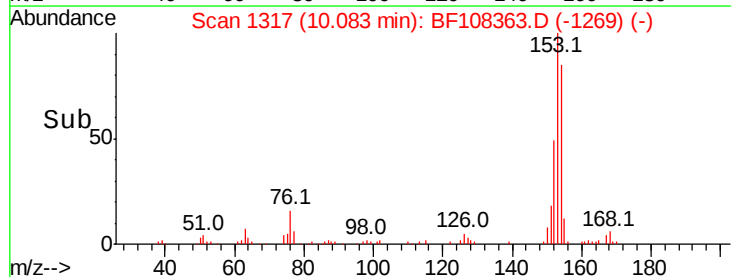
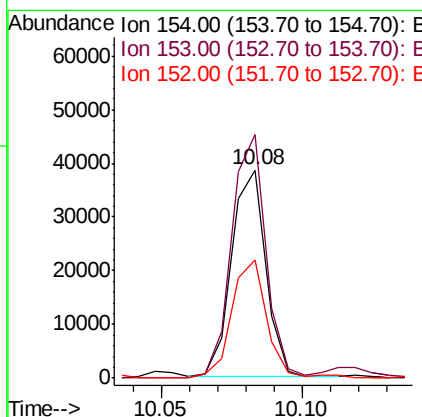
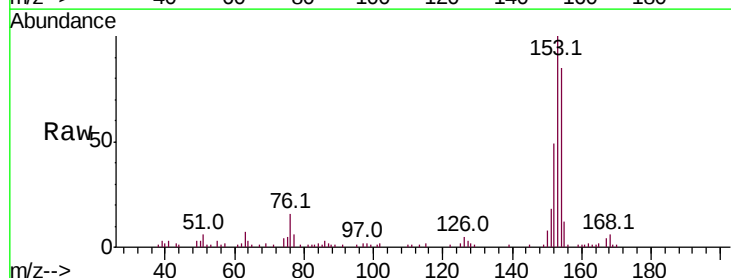
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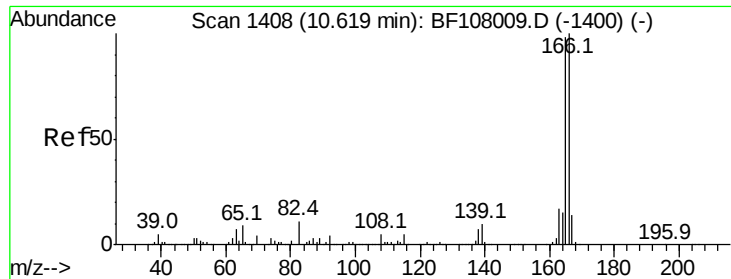
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#51
 Acenaphthene
 Concen: 2.099 ng
 RT: 10.08 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Tgt Ion:	154	Resp:	32135
Ion Ratio	Lower	Upper	
154	100		
153	117.0	91.2	136.8
152	56.9	43.8	65.8





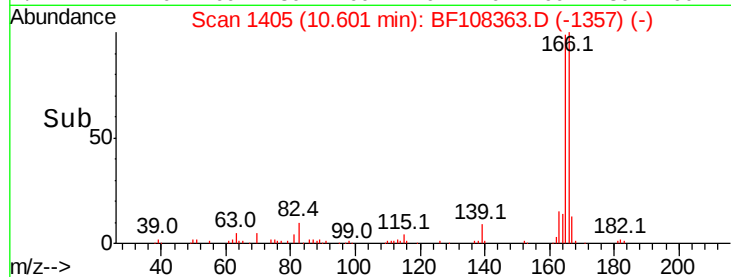
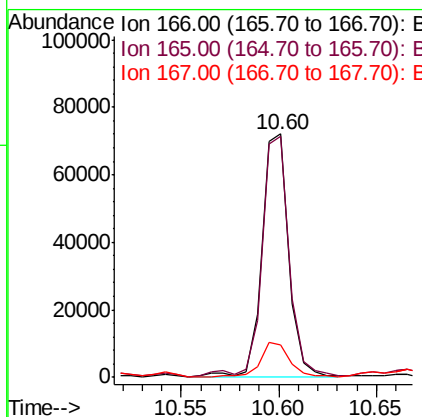
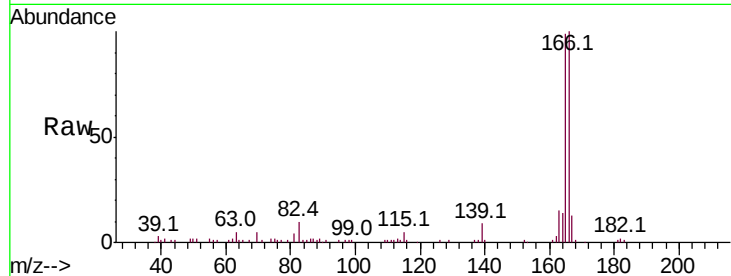
#57
Fluorene
 Concen: 3.908 ng
 RT: 10.60 min Scan# 1405
 Delta R.T. -0.02 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-A

Tot Ion	Ratio	Resp	Lower	Upper
166	100	68624		
165	99.2	79.8	119.8	
167	13.5	10.6	16.0	

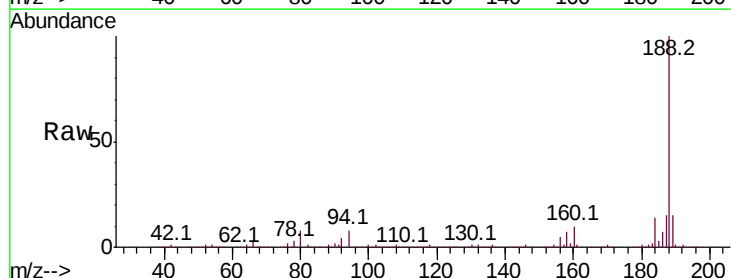
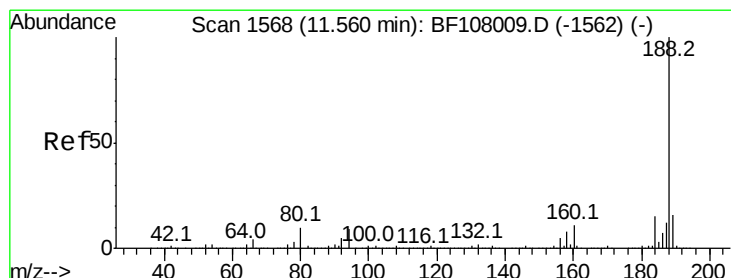
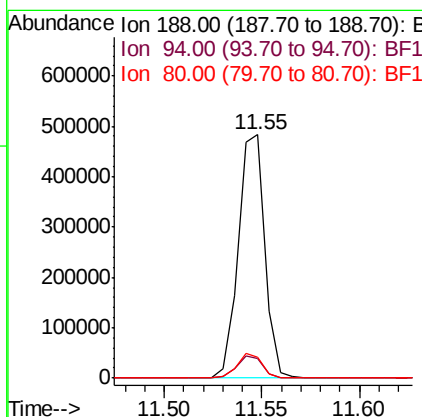
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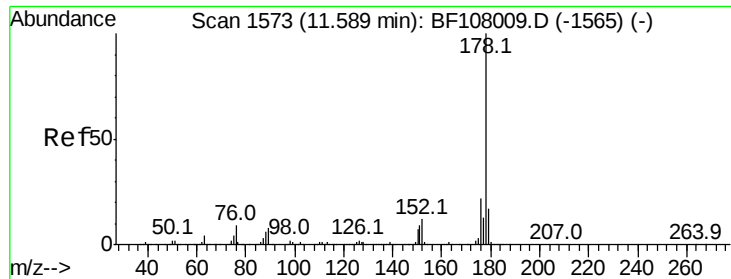
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.55 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	453718		
94	7.9	8.5	12.7#	
80	8.3	9.2	13.8#	





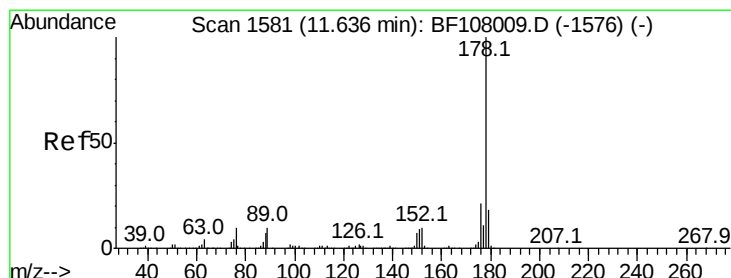
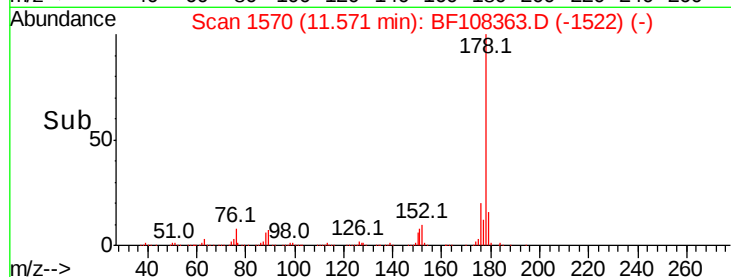
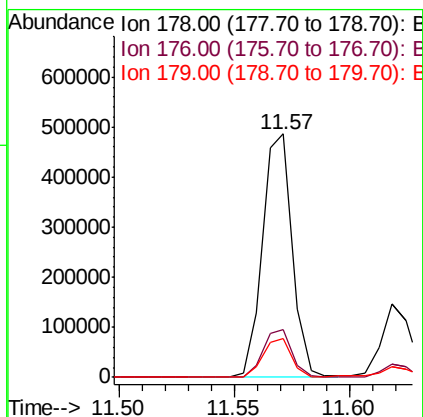
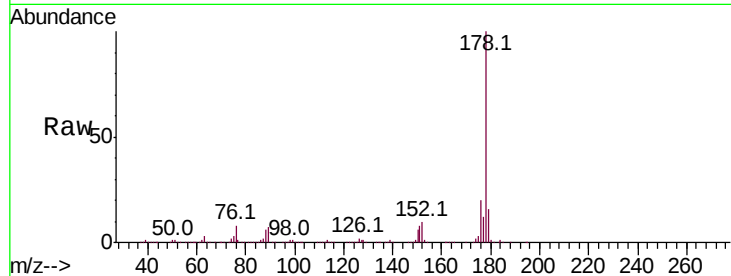
#70
Phenanthrene
Concen: 20.408 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.9	13.0	19.6

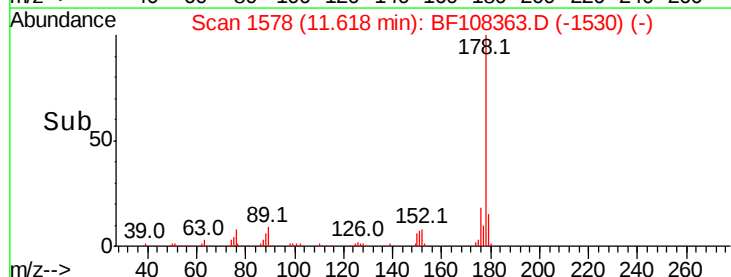
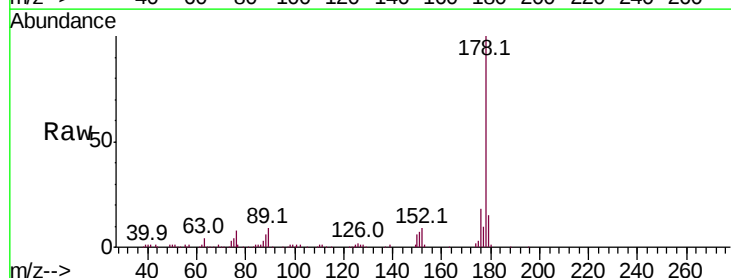
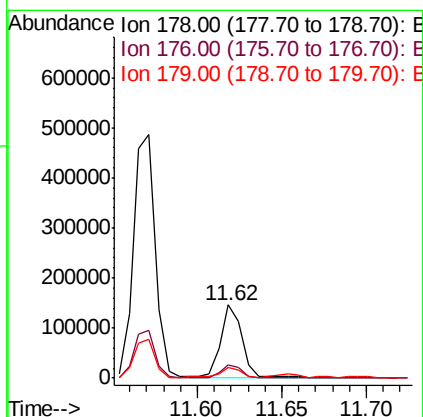
Manual Integrations
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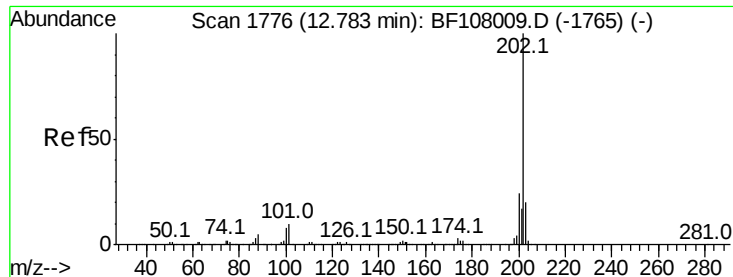
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#71
Anthracene
Concen: 5.937 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 21.639 ng

RT: 12.77 min Scan# 1773

Delta R.T. -0.02 min

Lab File: BF108363.D

Acq: 22 Aug 2018 3:04

Instrument :

BNA_F

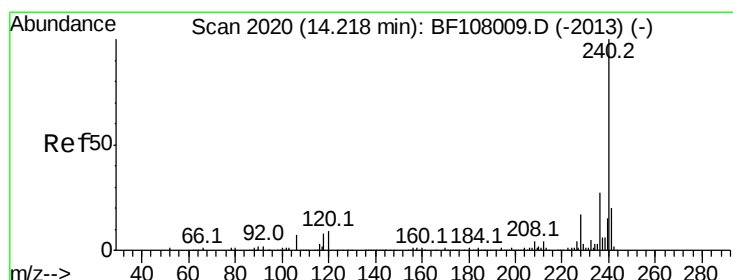
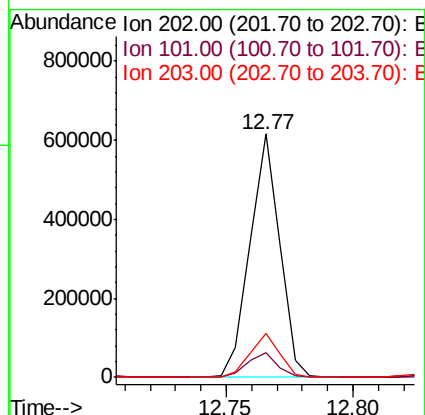
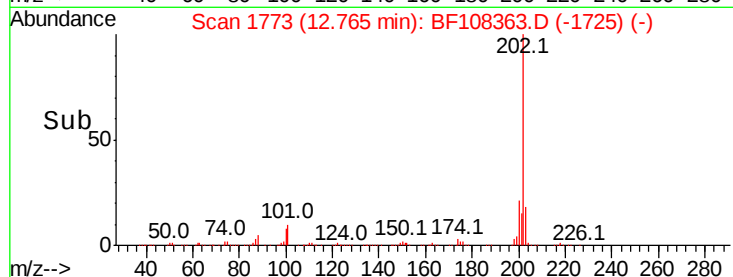
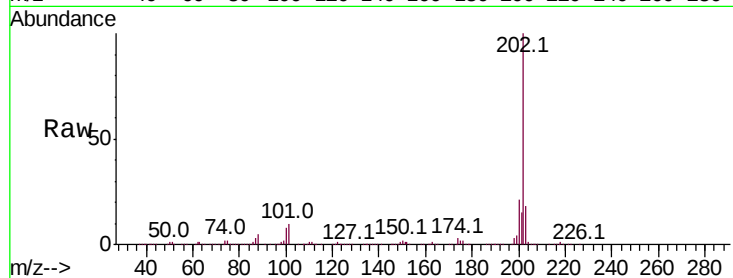
ClientSampleId :

HR-06-082018-A

Tot Ion	Ion	Ratio	Resp Lower	Upper
202	100			
101	10.3	0.0	34.1	
203	17.8	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

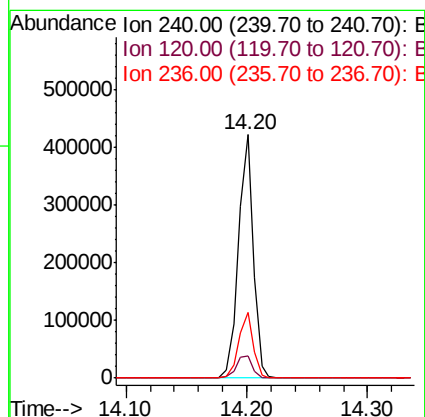
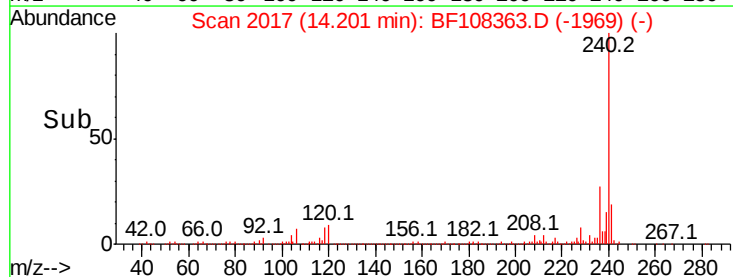
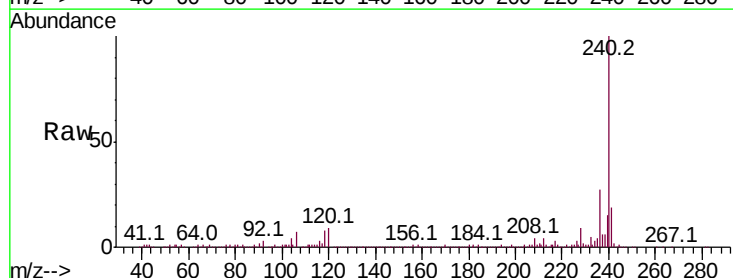
RT: 14.20 min Scan# 2017

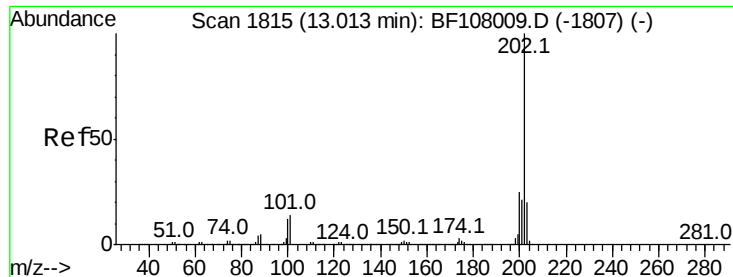
Delta R.T. -0.02 min

Lab File: BF108363.D

Acq: 22 Aug 2018 3:04

Tgt Ion	Ion	Ratio	Resp Lower	Upper
240	100			
120	9.3	9.5	14.3#	
236	27.2	20.7	31.1	





#77

Pvrene

Concen: 19.670 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF108363.D

Acq: 22 Aug 2018 3:04

Instrument :

BNA_F

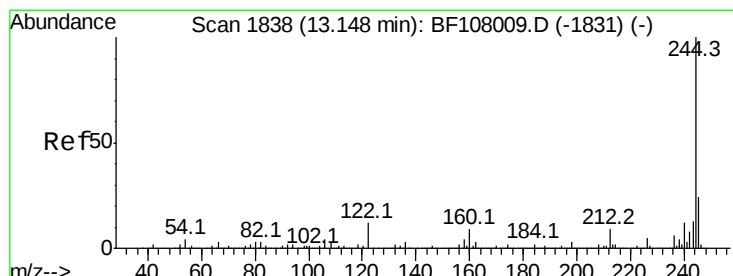
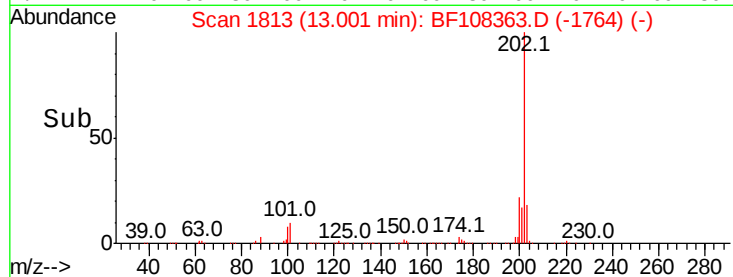
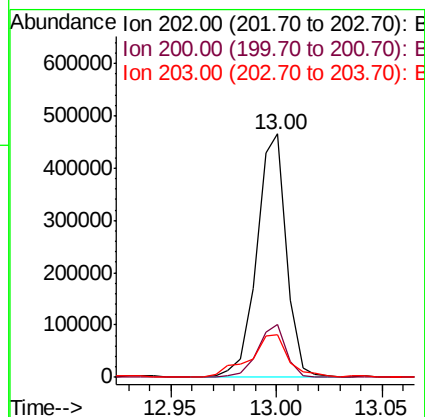
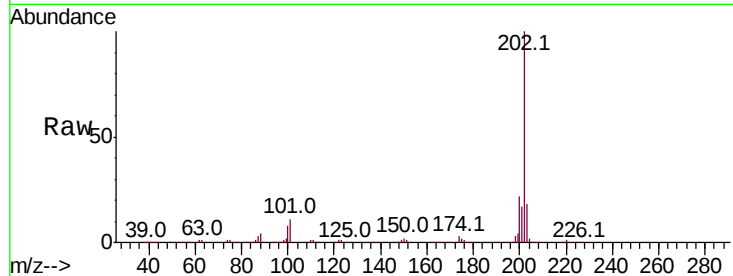
ClientSampleId :

HR-06-082018-A

Tot Ion:	202	Resp:	455564
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 16.850 ng

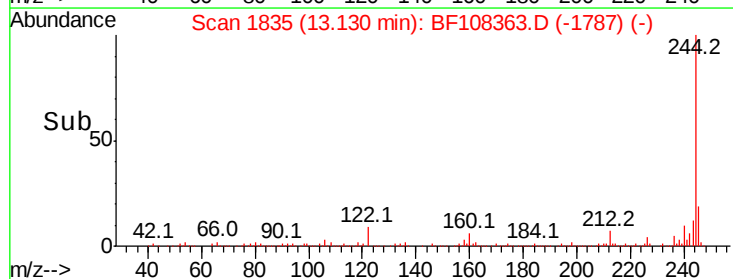
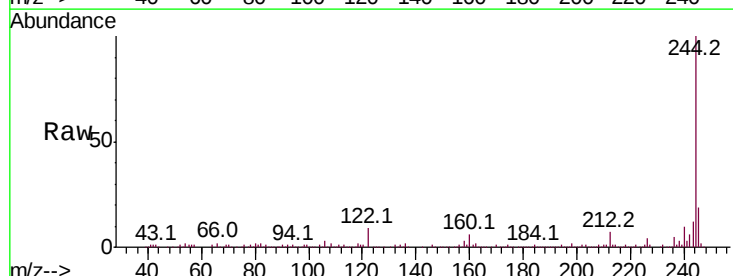
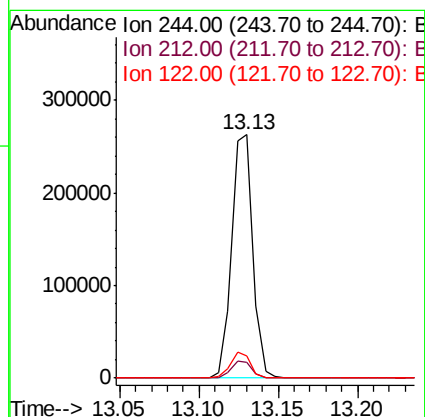
RT: 13.13 min Scan# 1835

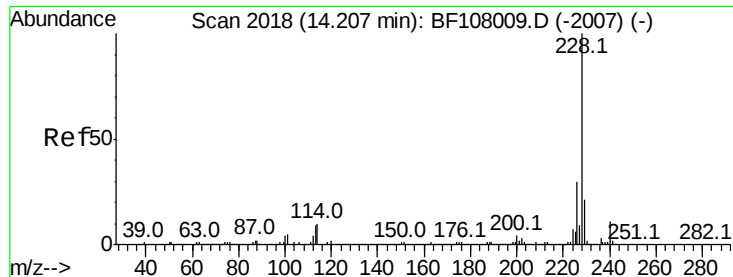
Delta R.T. -0.02 min

Lab File: BF108363.D

Acq: 22 Aug 2018 3:04

Tgt Ion:	244	Resp:	242436
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	9.0	11.0	16.4#





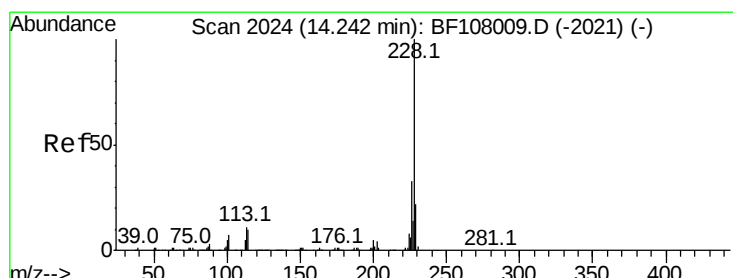
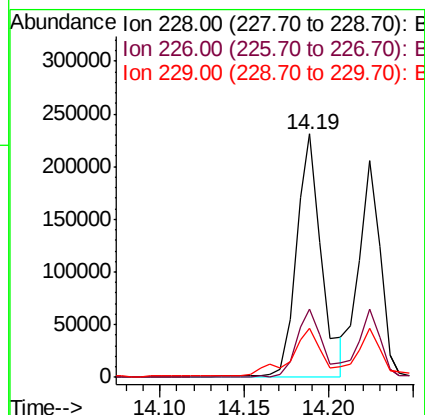
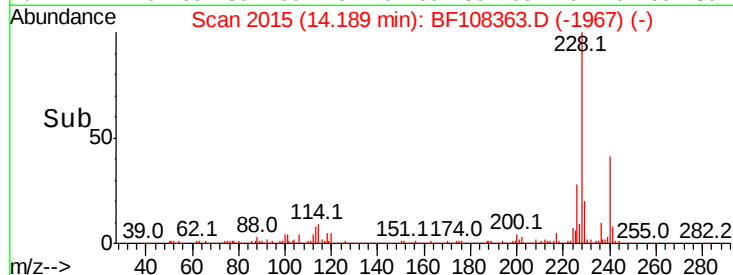
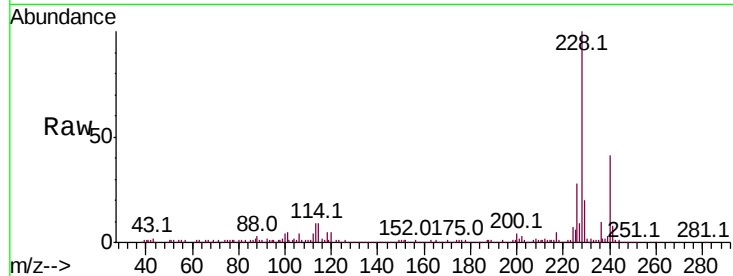
#80
Benzo(a)anthracene
Concen: 11.254 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-A

Tot Ion:	228	Resp:	236259
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	33.8
229	20.2	15.8	23.6

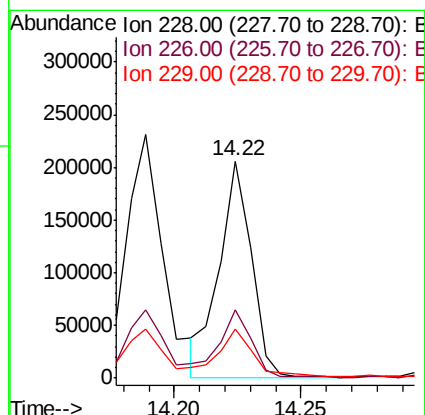
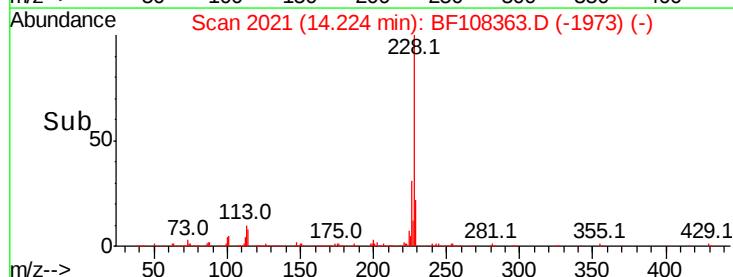
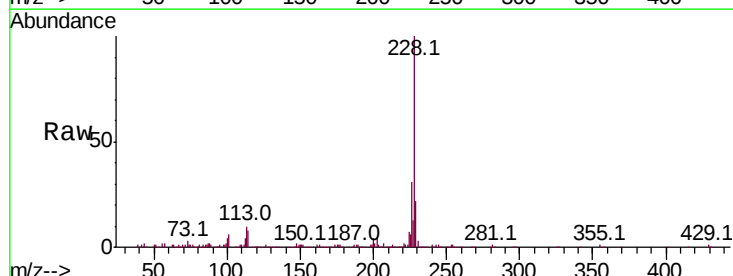
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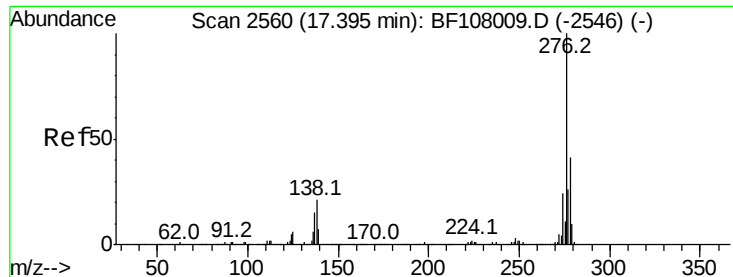
Sohil
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#82
Chrysene
Concen: 9.432 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.02 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Tgt Ion:	228	Resp:	181536
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	22.4	16.2	24.4





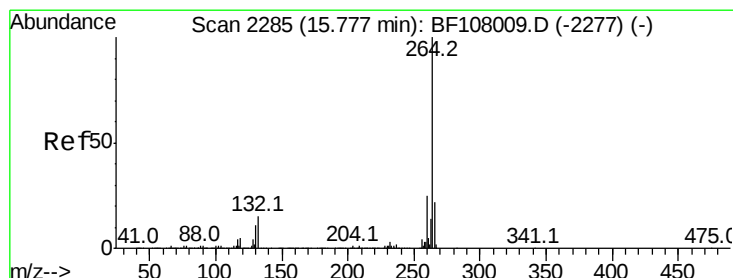
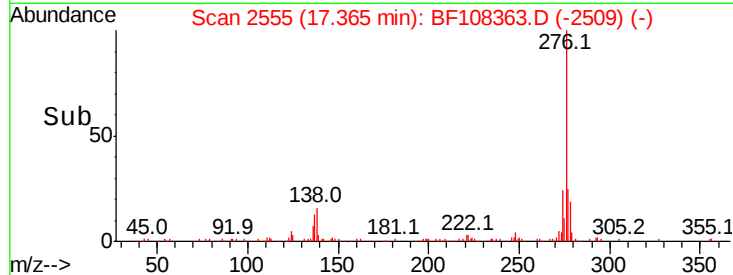
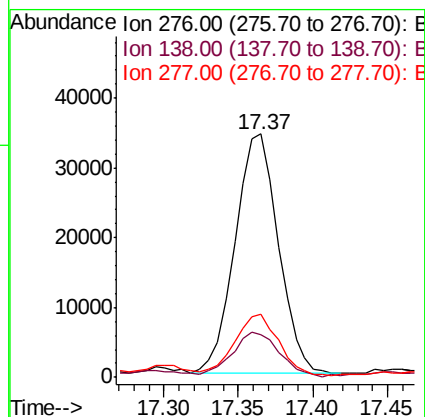
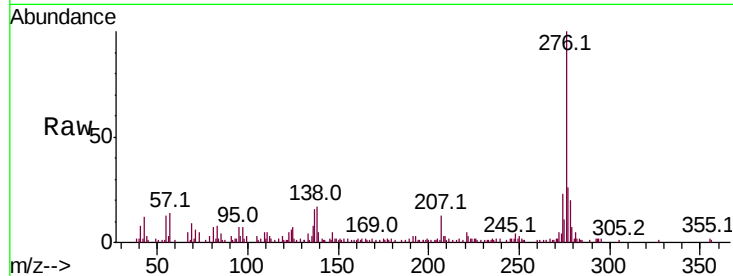
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.165 ng
 RT: 17.37 min Scan# 2555
 Delta R.T. -0.03 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-082018-A

Tot Ion:	276	Resp:	69451
Ion Ratio	Lower	Upper	
276	100		
138	20.7	25.0	37.6#
277	25.5	20.1	30.1

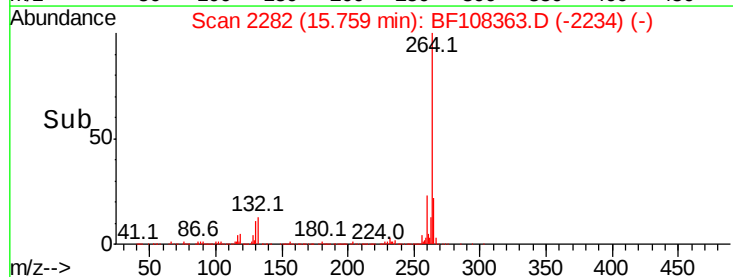
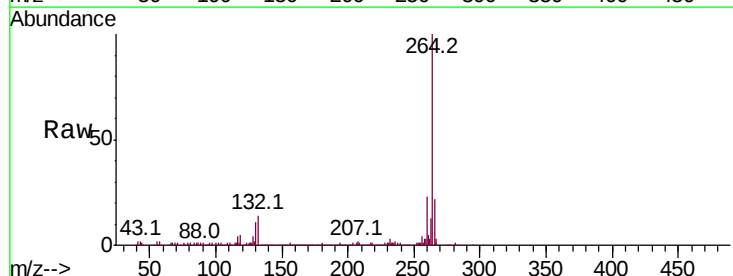
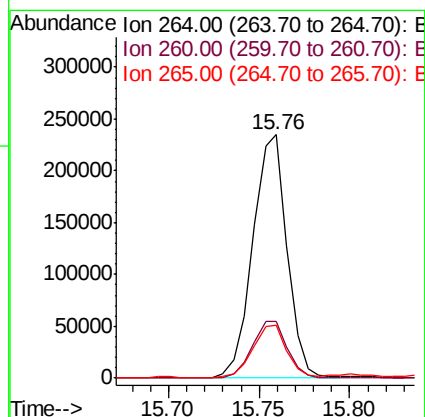
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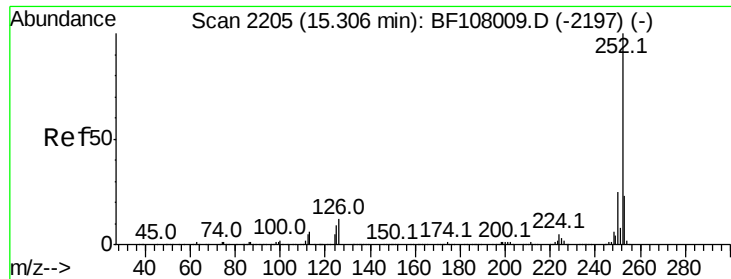
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.76 min Scan# 2282
 Delta R.T. -0.02 min
 Lab File: BF108363.D
 Acq: 22 Aug 2018 3:04

Tgt Ion:	264	Resp:	307557
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.2	28.8
265	21.7	17.5	26.3





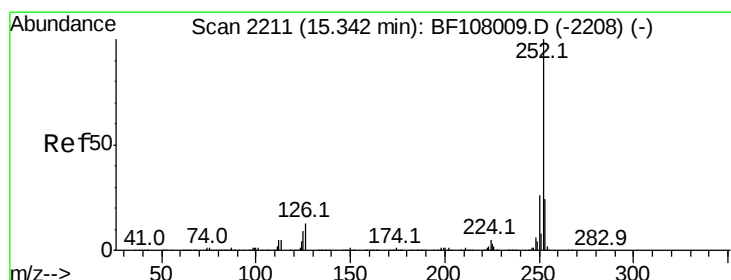
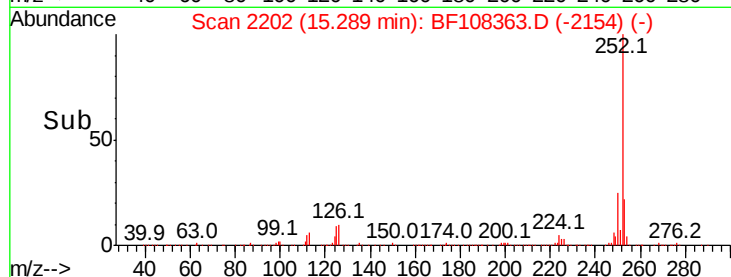
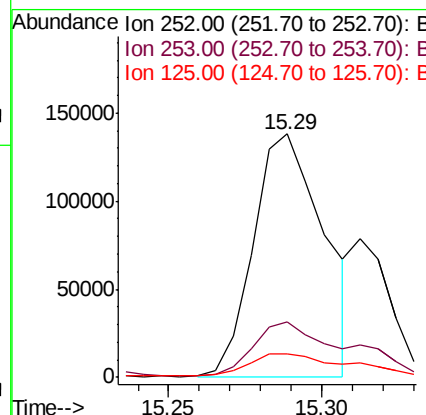
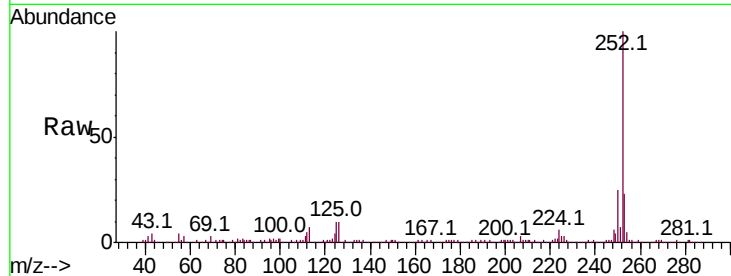
#87
Benzo(b)fluoranthene
Concen: 11.979 ng m
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	9.7	9.0	13.6

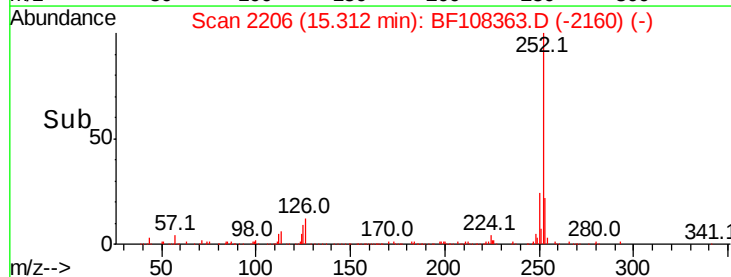
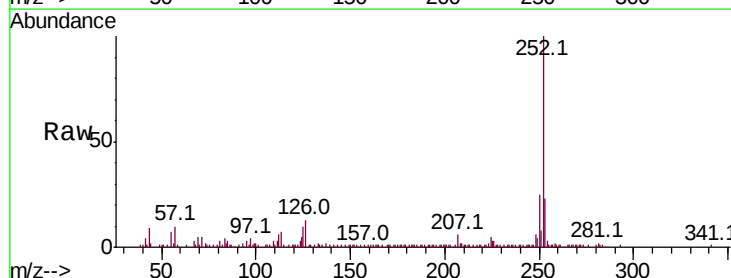
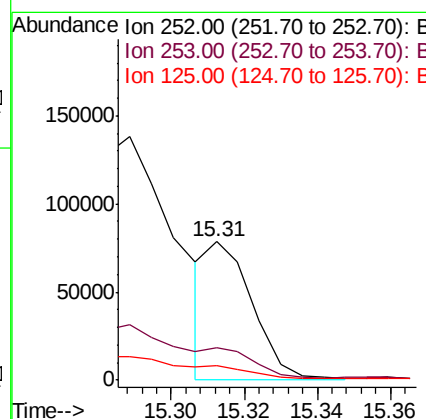
Manual Integrations
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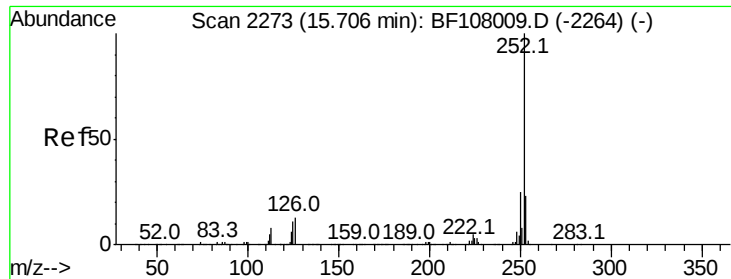
Sohil
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#88
Benzo(k)fluoranthene
Concen: 4.052 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.4	10.2	15.2





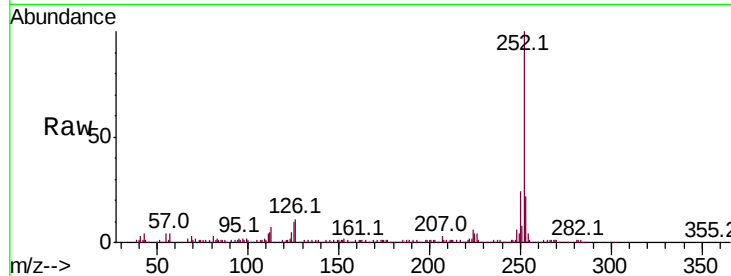
#89
Benzo(a)pyrene
Concen: 9.260 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Instrument :
BNA_F
ClientSampleId :
HR-06-082018-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	10.2	9.8	14.6

Manual Integrations
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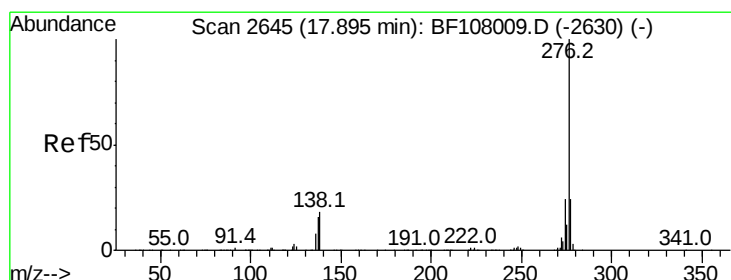
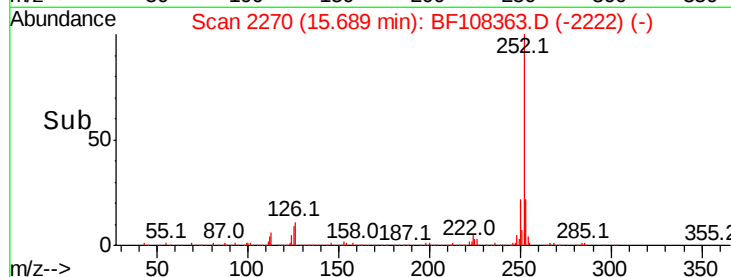
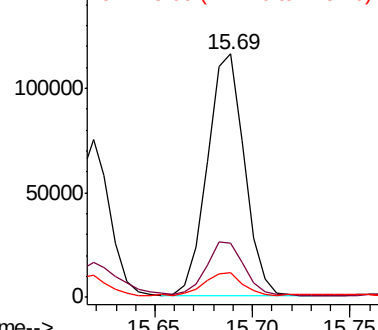


Abundance

Ion 252.00 (251.70 to 252.70): E

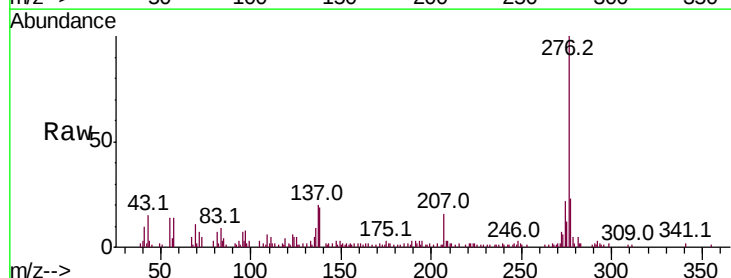
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.752 ng
RT: 17.85 min Scan# 2638
Delta R.T. -0.04 min
Lab File: BF108363.D
Acq: 22 Aug 2018 3:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	18.5	21.8	32.8#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

