

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108300.D
 Acq On : 20 Aug 2018 19:51
 Operator : JU/SJ
 Sample : J4521-19 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 72-11967

Manual Integrations
 APPROVED

Sohil
 8/21/2018 1:43:09 PM

Quant Time: Aug 21 01:33:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	174146	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	614909	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	259086	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	451624	20.00	ng	0.00
75) Chrysene-d12	14.22	240	316646	20.00	ng	0.00
86) Perylene-d12	15.79	264	251025	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	515925	53.64	ng	0.01
7) Phenol-d6	6.64	99	683674	53.49	ng	0.00
23) Nitrobenzene-d5	7.58	82	429296	38.96	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	134508	52.05	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	754619	46.76	ng	0.00
78) Terphenyl-d14	13.14	244	613922	49.30	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	59209	3.281	ng	Qvalue # 97
51) Acenaphthene	10.10	154	55733	3.812	ng	97
57) Fluorene	10.61	166	80745	4.816	ng	97
70) Phenanthrene	11.58	178	1036843	48.675	ng	100
71) Anthracene	11.64	178	412714	18.904	ng	99
74) Fluoranthene	12.79	202	2241251	96.406	ng	96
77) Pyrene	13.02	202	2111457	105.325	ng	96
80) Benzo(a)anthracene	14.21	228	1110148	61.090	ng	97
82) Chrysene	14.25	228	917528	55.073	ng	98
85) Indeno(1,2,3-cd)pyrene	17.42	276	398158	27.582	ng	# 87
87) Benzo(b)fluoranthene	15.32	252	983727m	65.583	ng	
88) Benzo(k)fluoranthene	15.35	252	371291m	26.928	ng	
89) Benzo(a)pyrene	15.72	252	731425m	54.454	ng	
90) Dibenzo(a,h)anthracene	17.42	278	110587	9.951	ng	# 73
91) Benzo(a,h,i)perylene	17.92	276	354606	32.404	ng	# 89

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

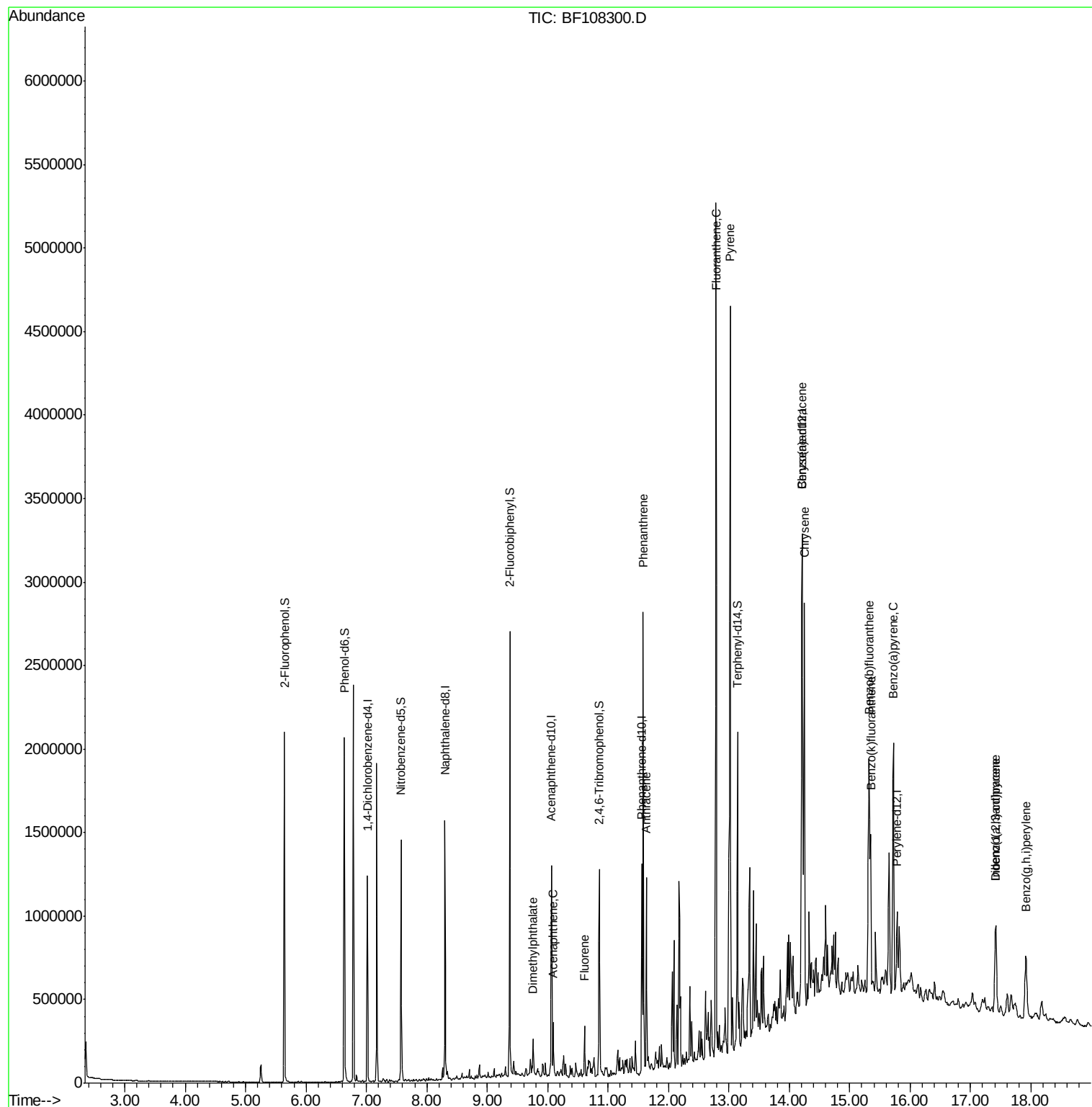
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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ALS Vial : 12 Sample Multiplier: 1

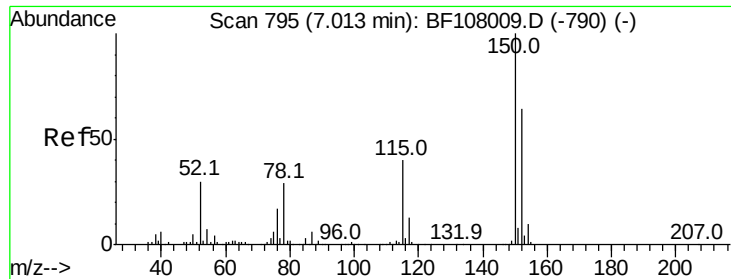
Instrument :
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#1

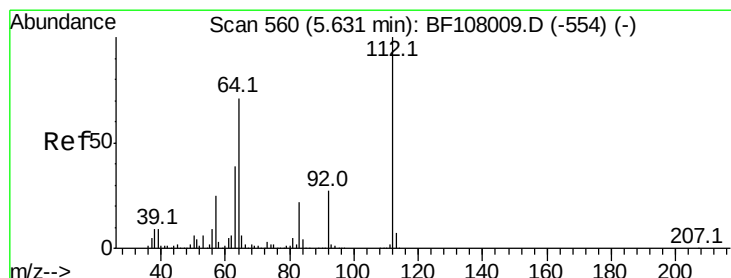
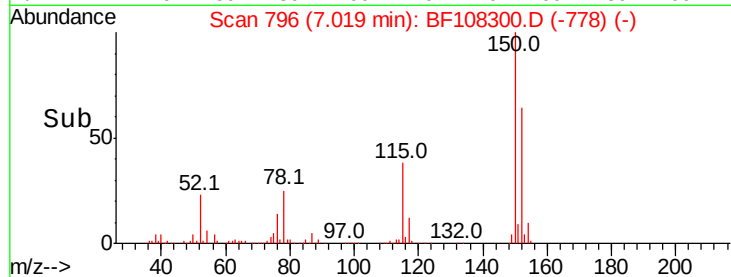
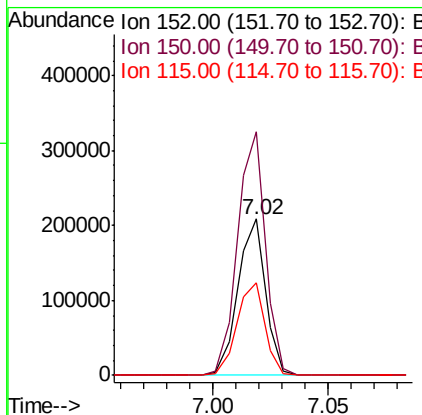
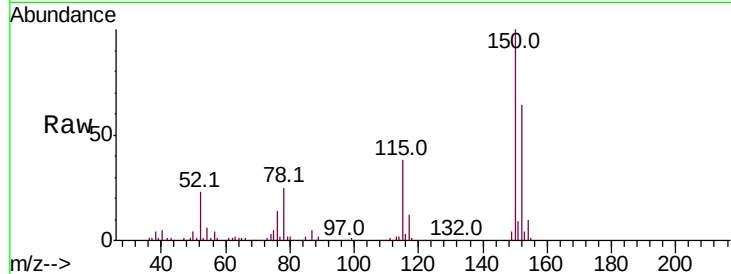
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Instrument :
BNA_F
ClientSampled :
72-11967

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	186.8
115	59.0	50.1	75.1

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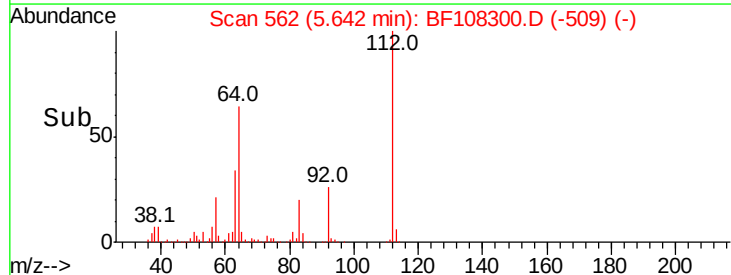
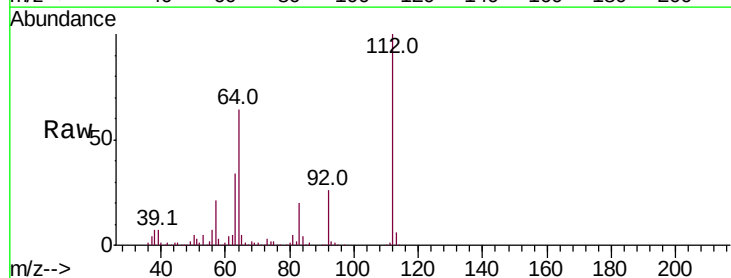
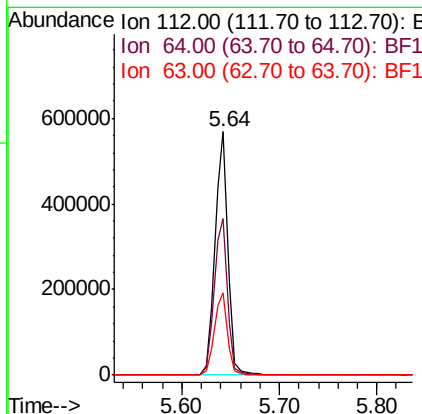
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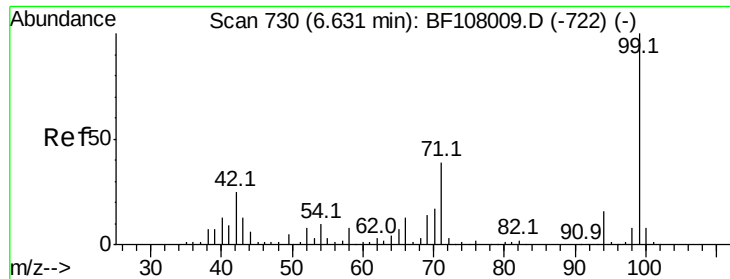


#5

2-Fluorophenol
Concen: 53.637 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	47.9	71.9
63	33.7	23.7	35.5





#7

Phenol-d6

Concen: 53.486 ng

RT: 6.64 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

Instrument :

BNA_F

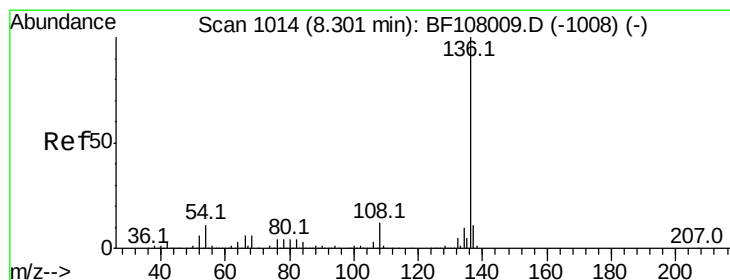
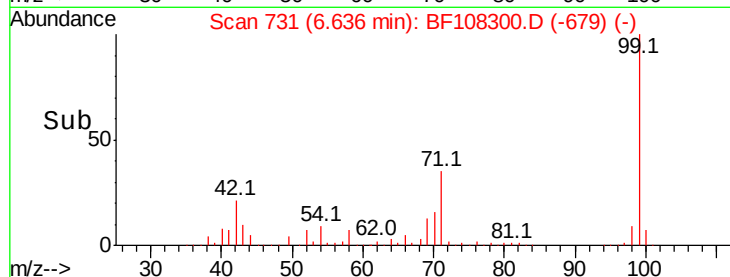
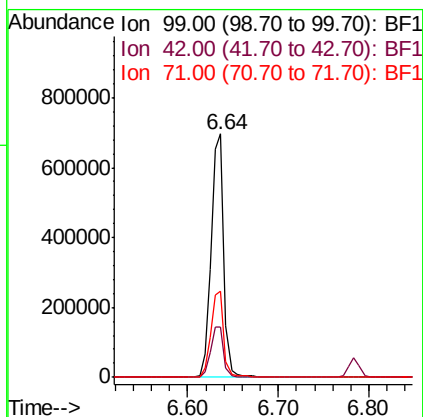
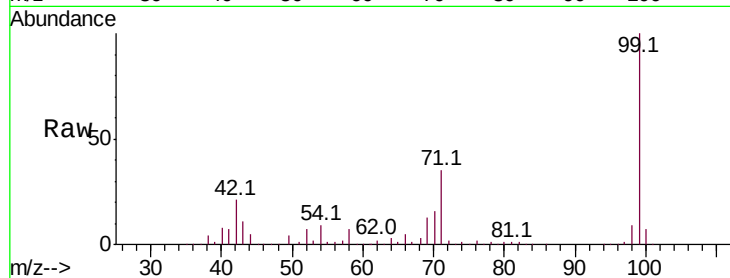
ClientSampleId :

72-11967

Tot Ion:	99	Resp:	683674
Ion	Ratio	Lower	Upper
99	100		
42	20.7	14.5	21.7
71	35.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

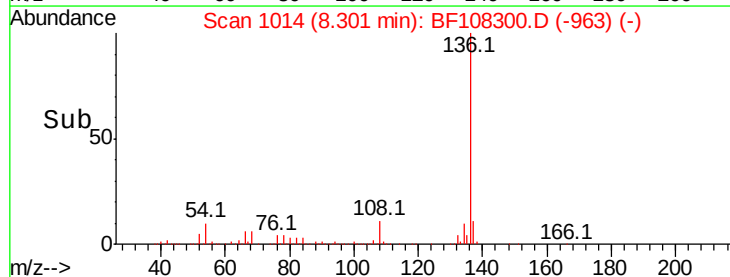
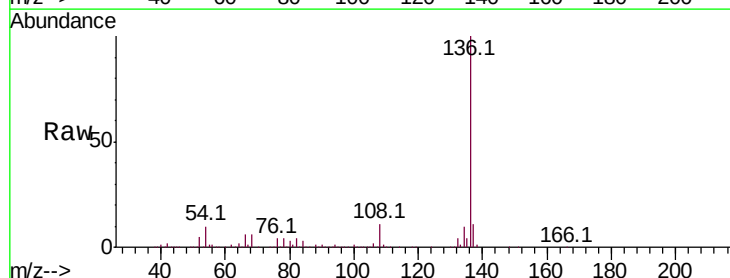
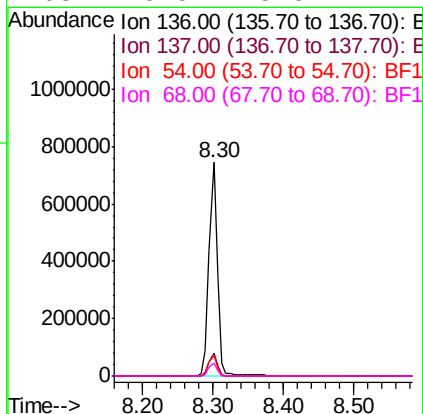
RT: 8.30 min Scan# 1014

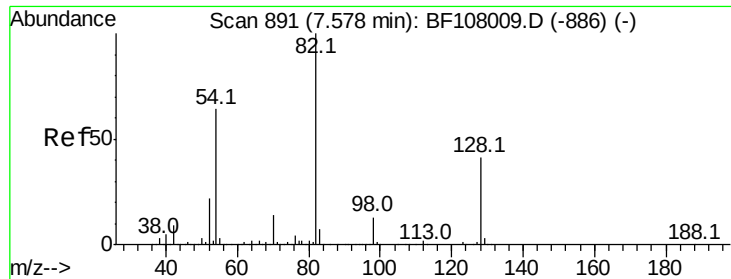
Delta R.T. -0.00 min

Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

Tgt Ion:	136	Resp:	614909
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.8	6.6	9.8
68	6.0	5.0	7.4





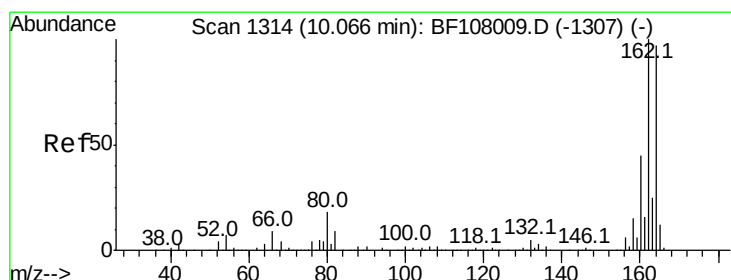
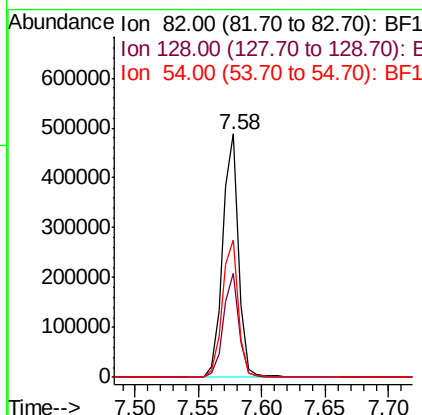
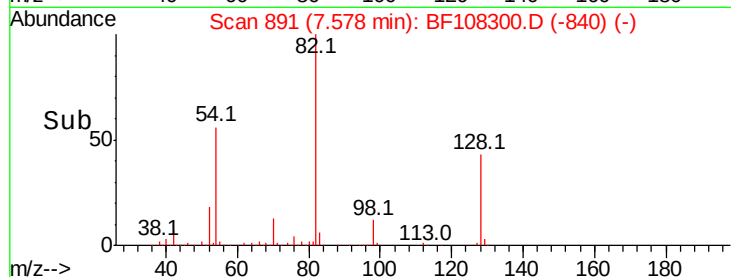
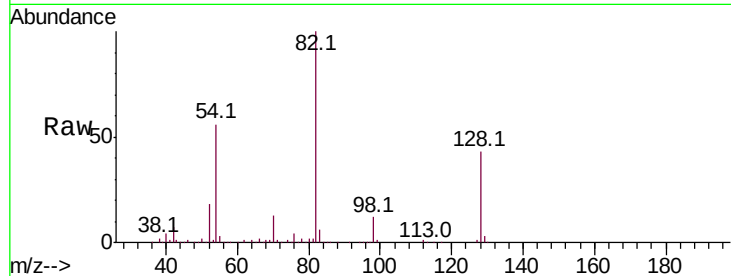
#23
Nitrobenzene-d5
Concen: 38.958 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.00 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Instrument :
BNA_F
ClientSampled :
72-11967

Tot Ion	Ratio	Resp	Lower	Upper
82	100	429296		
128	42.9	36.1	54.1	
54	56.2	41.4	62.2	

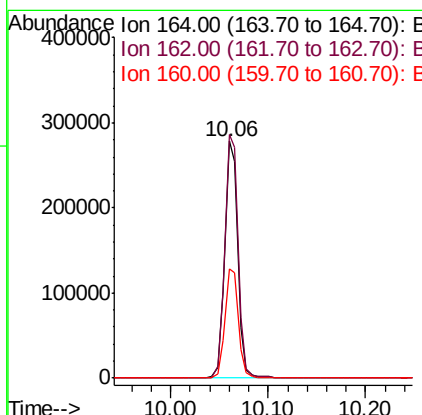
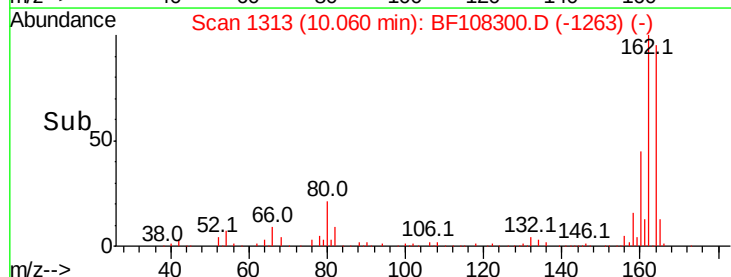
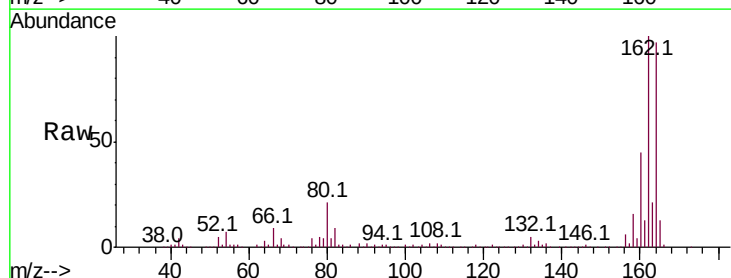
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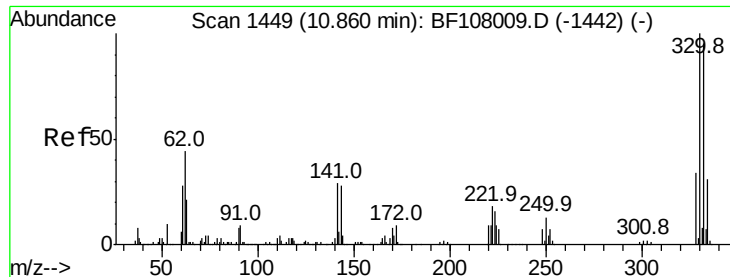
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	259086		
162	102.9	86.1	129.1	
160	46.3	38.3	57.5	





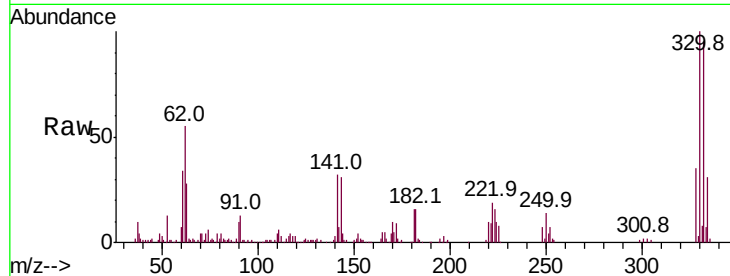
#41
 2,4,6-Tribromophenol
 Concen: 52.048 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108300.D
 Acq: 20 Aug 2018 19:51

Instrument :
 BNA_F
 ClientSampled :
 72-11967

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.5	77.0	115.6	
141	32.1	29.9	44.9	

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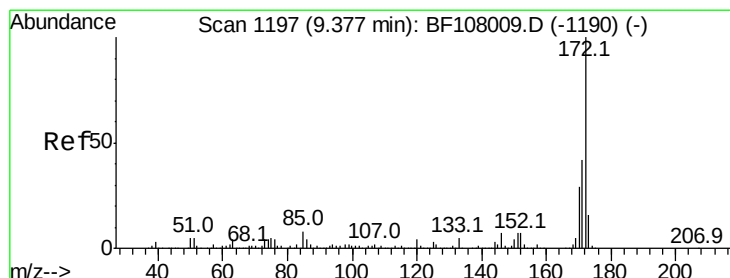
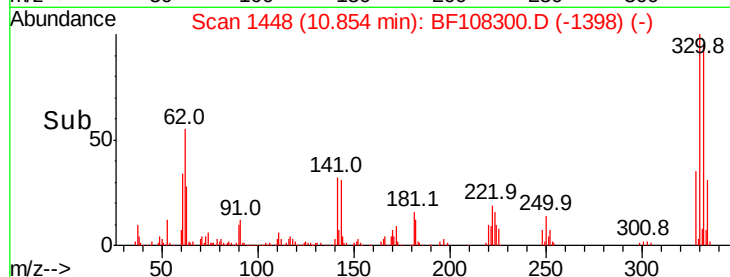
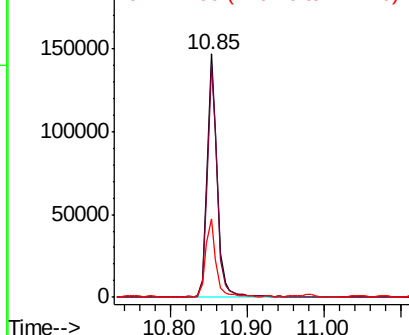


Abundance

Ion 329.80 (329.50 to 330.50): E

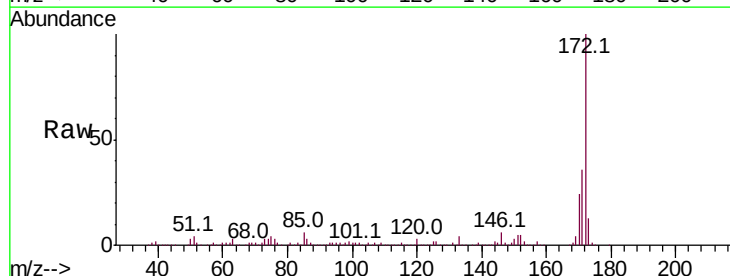
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 46.761 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108300.D
 Acq: 20 Aug 2018 19:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	23.7	19.6	29.4	

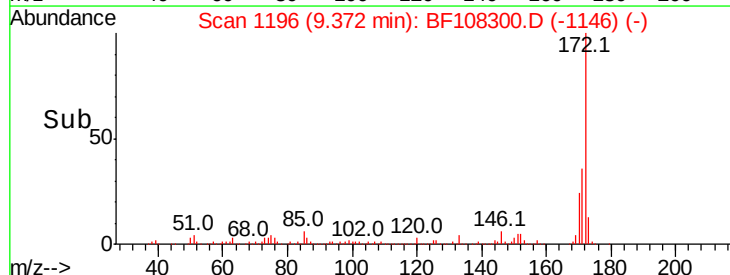
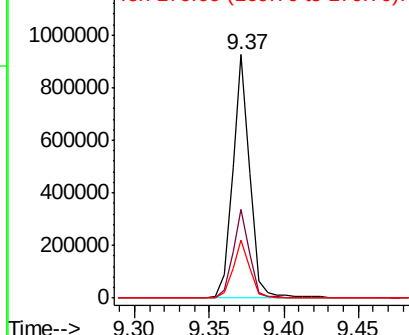


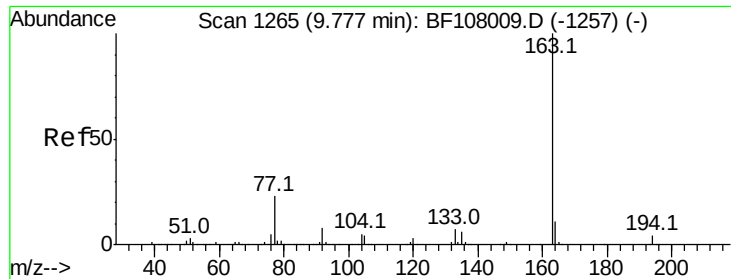
Abundance

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





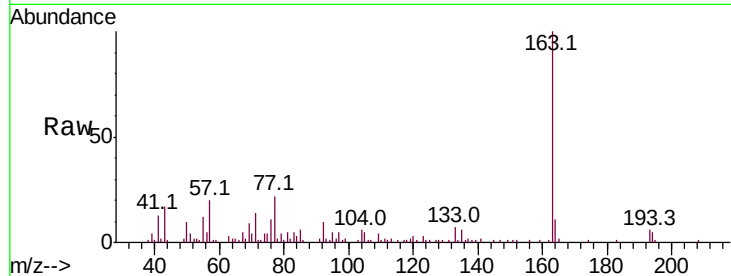
#49
Dimethylphthalate
Concen: 3.281 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Instrument :
BNA_F
ClientSampleId :
72-11967

Tot Ion	Ratio	Resp	Lower	Upper
163	100	59209		
194	5.0		2.7	4.1#
164	11.2		8.2	12.2

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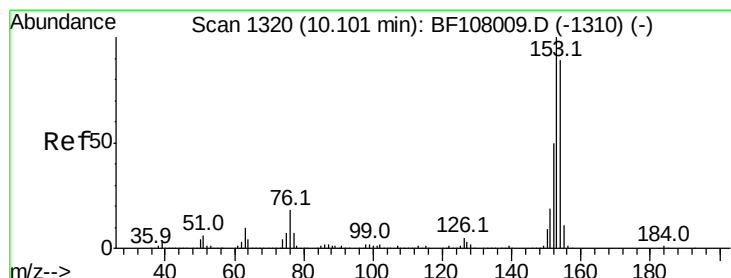
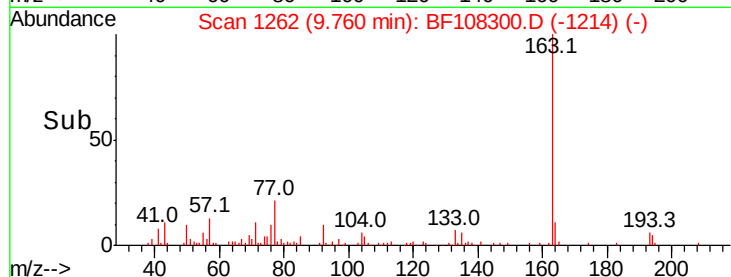
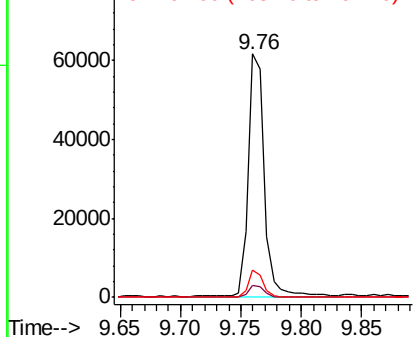


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 3.812 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

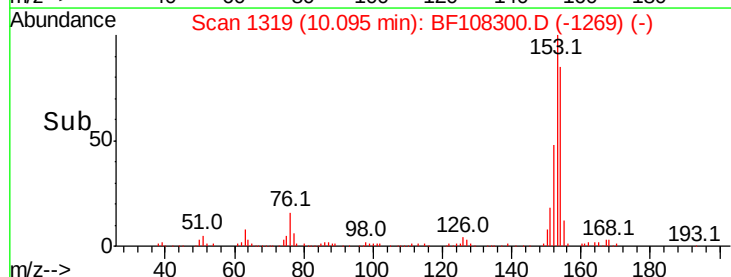
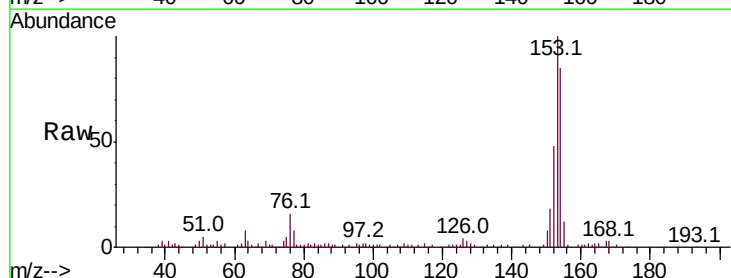
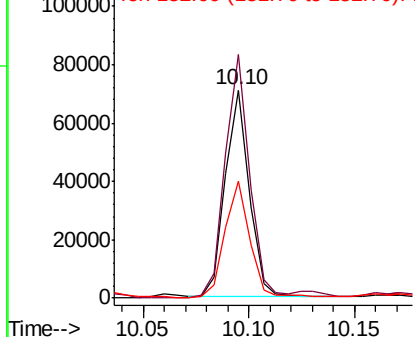
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	55733		
153	117.1		91.2	136.8
152	56.2		43.8	65.8

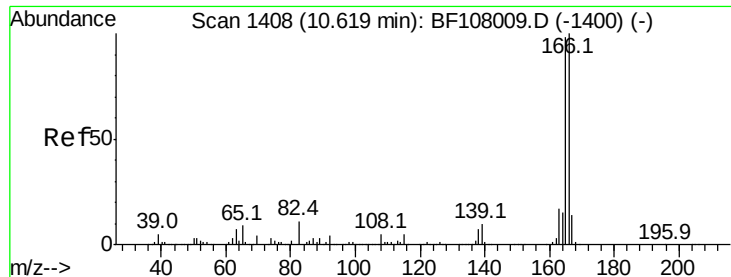
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 4.816 ng

RT: 10.61 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

Instrument :

BNA_F

ClientSampleId :

72-11967

Tot Ion:166 Resp: 80745

Ion Ratio Lower Upper

166 100

165 97.1 79.8 119.8

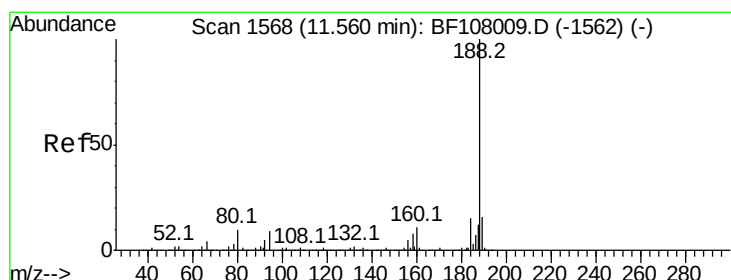
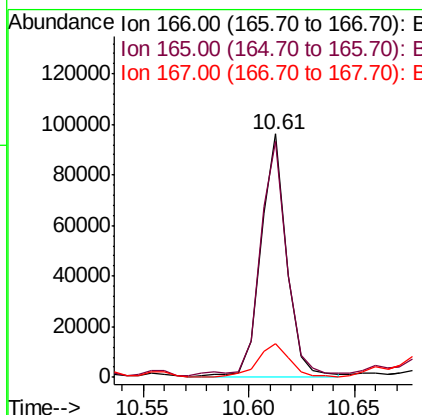
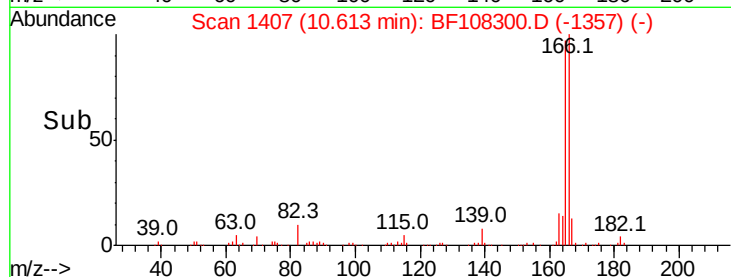
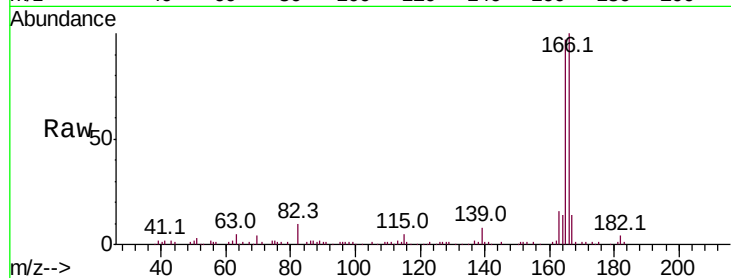
167 13.8 10.6 16.0

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.00 min

Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

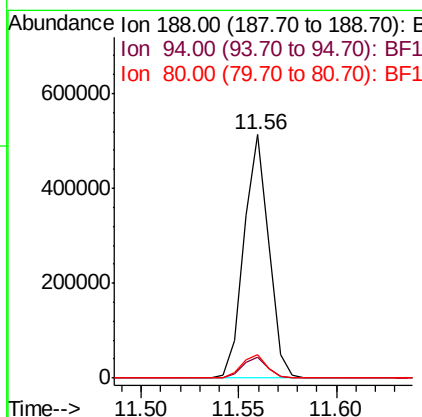
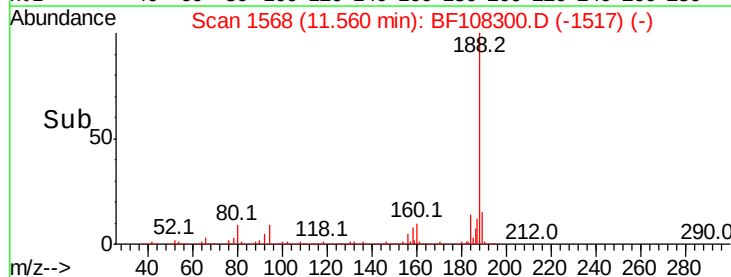
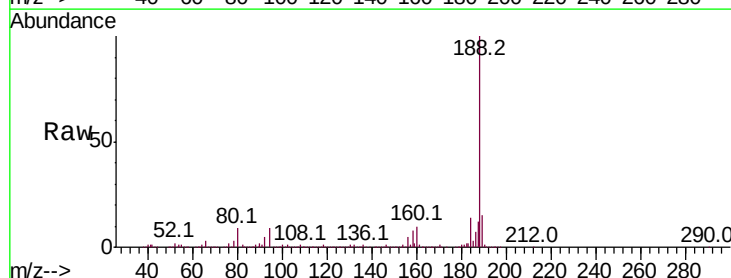
Tgt Ion:188 Resp: 451624

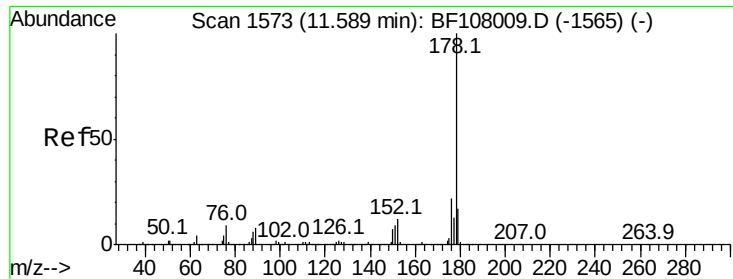
Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

80 9.4 9.2 13.8





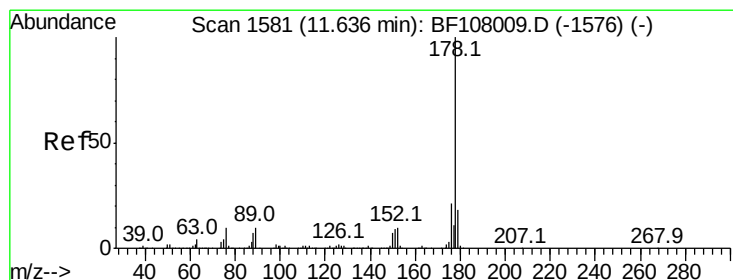
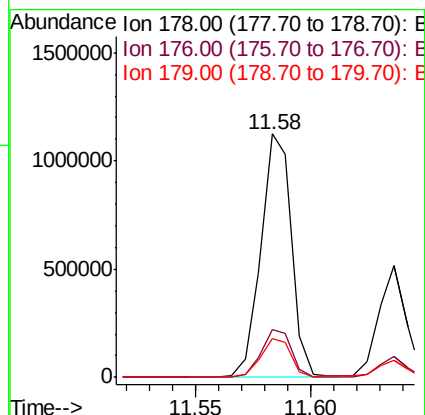
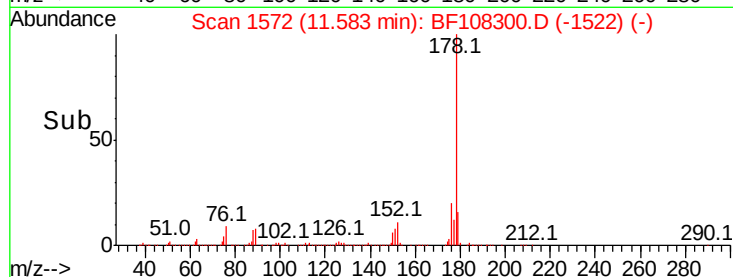
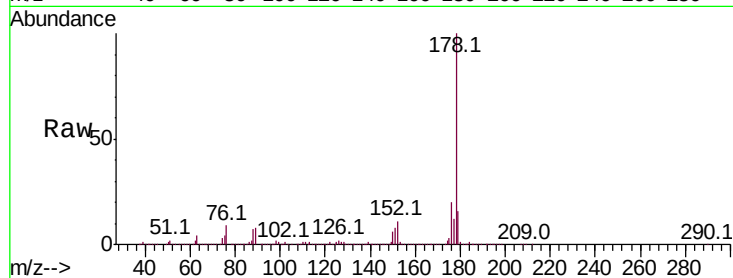
#70
Phenanthrene
Concen: 48.675 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Instrument :
BNA_F
ClientSampled :
72-11967

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	16.0	13.0	19.6

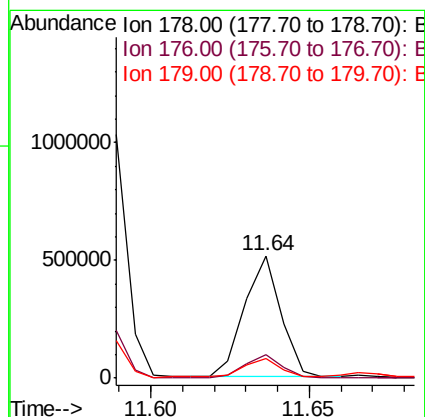
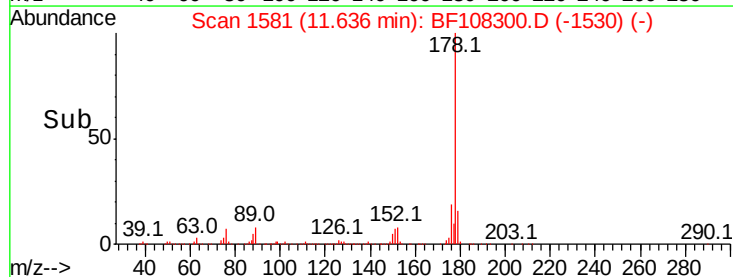
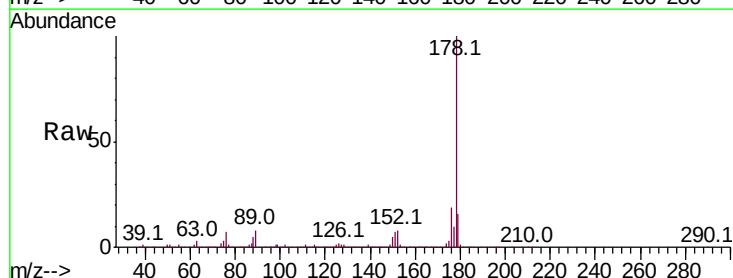
Manual Integrations
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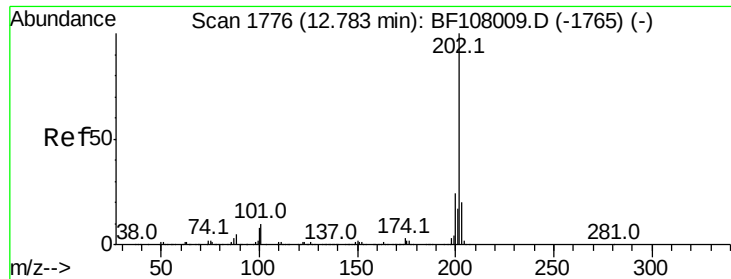
Sohil
8/21/2018 1:43:09 PM



#71
Anthracene
Concen: 18.904 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 96.406 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

Instrument :

BNA_F

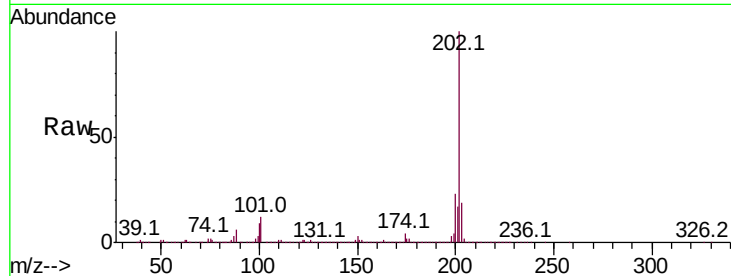
ClientSampled :

72-11967

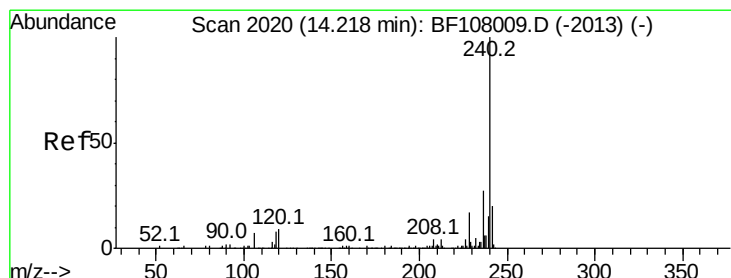
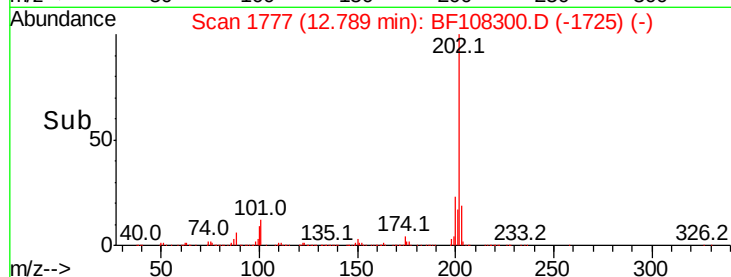
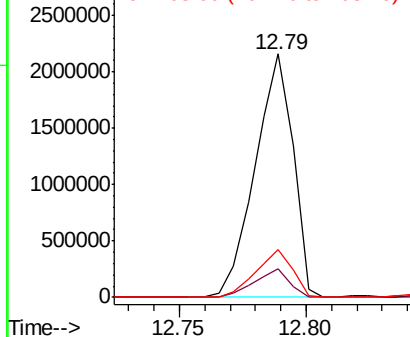
Tot Ion:	202	Resp:	2241251
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	19.4	0.0	38.1

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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: 14.22 min Scan# 2020

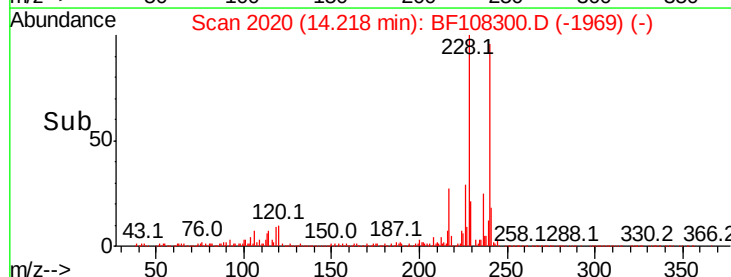
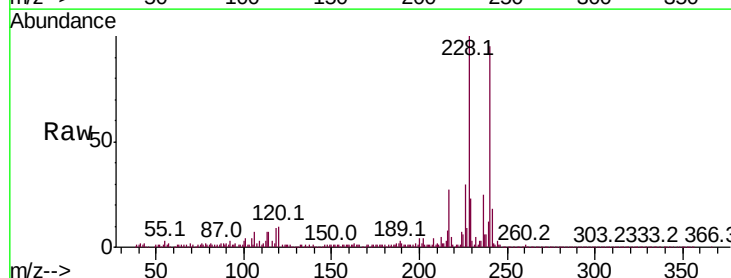
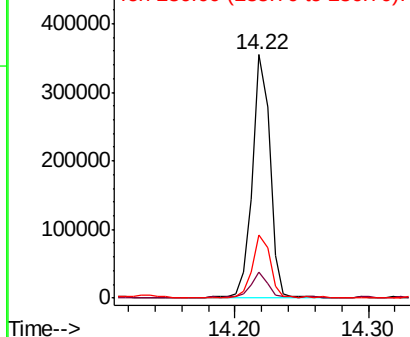
Delta R.T. 0.00 min

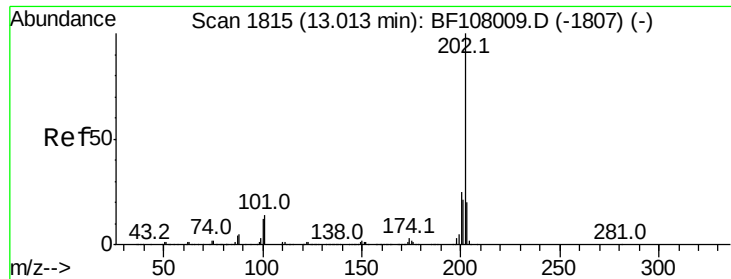
Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

Tgt Ion:	240	Resp:	316646
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.5	14.3
236	26.2	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





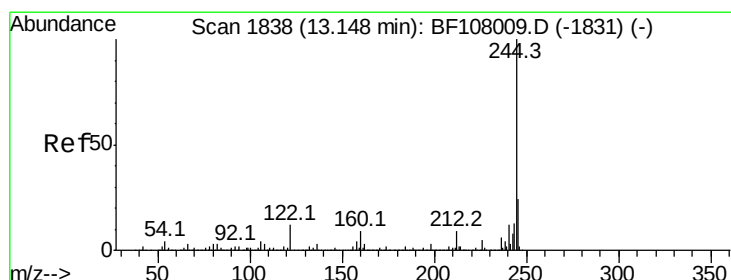
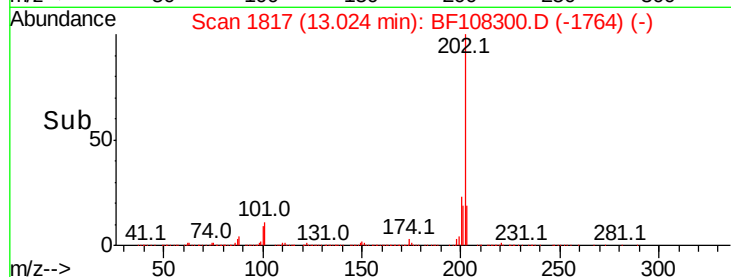
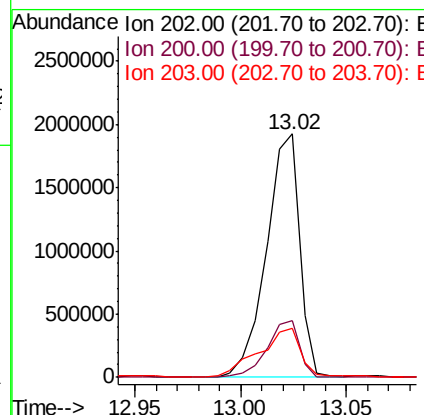
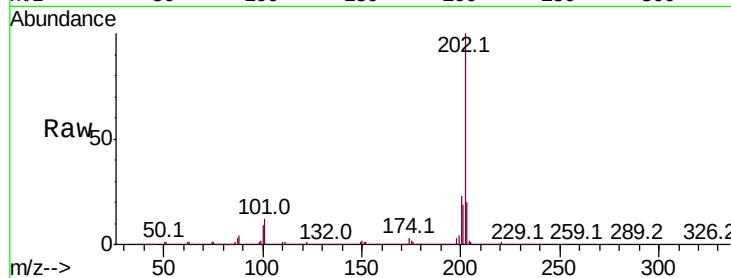
#77
Pvrene
Concen: 105.325 ng
RT: 13.02 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Instrument :
BNA_F
ClientSampled :
72-11967

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.4	17.4	26.2
203	20.1	14.3	21.5

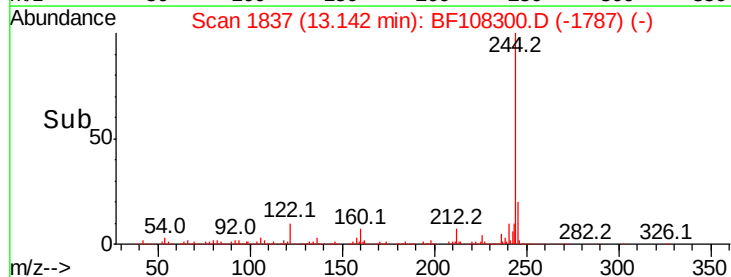
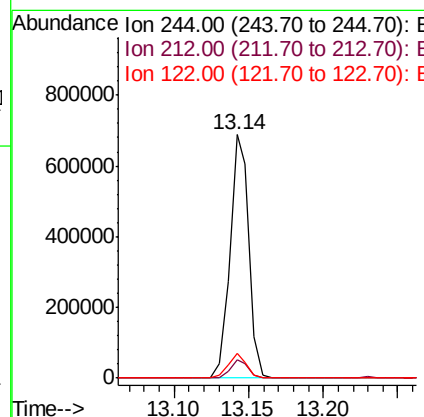
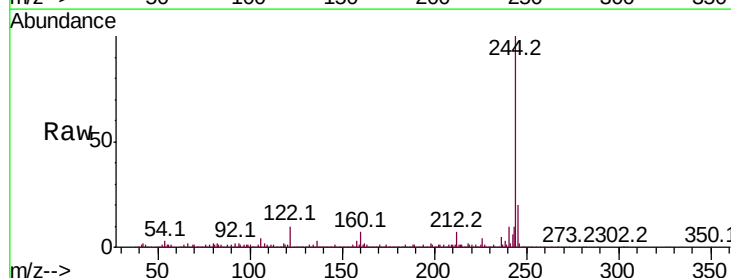
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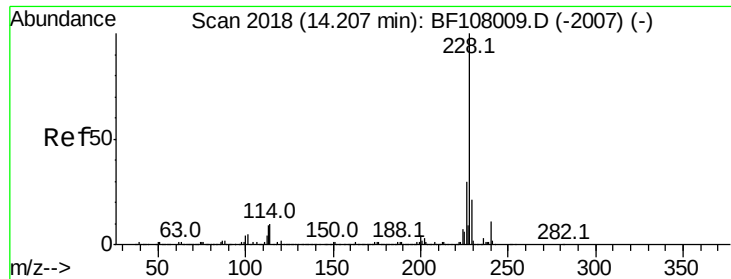
Sohil
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#78
Terphenyl-d14
Concen: 49.296 ng
RT: 13.14 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.2	11.0	16.4





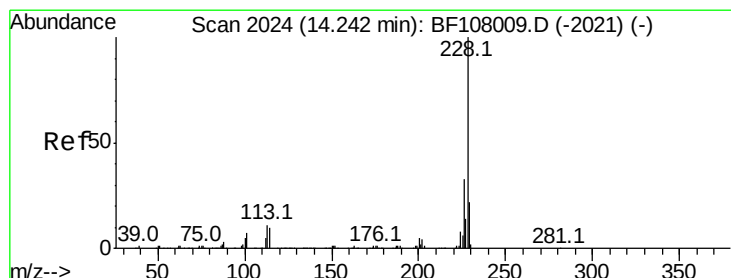
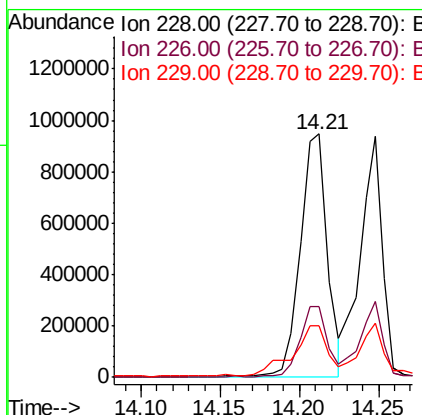
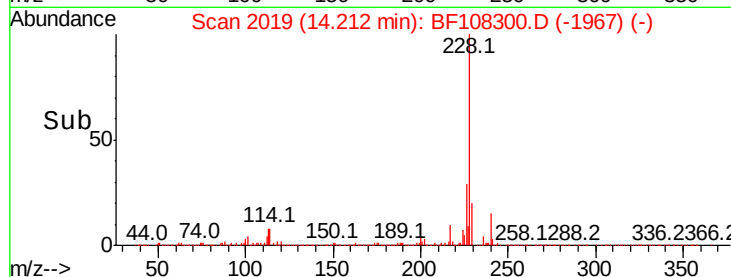
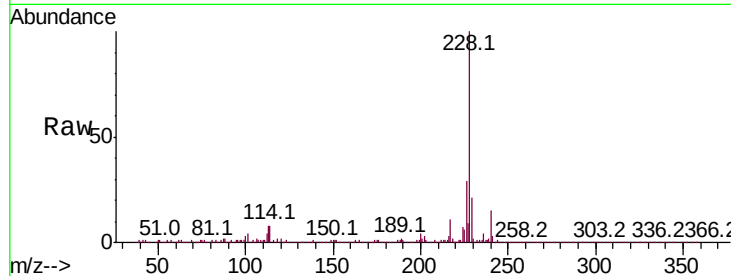
#80
Benzo(a)anthracene
Concen: 61.090 ng
RT: 14.21 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Instrument :
BNA_F
ClientSampleId :
72-11967

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	21.2	15.8	23.6

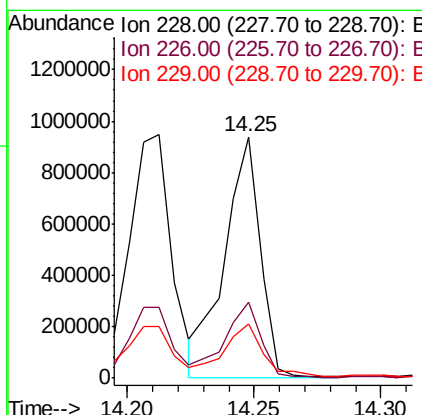
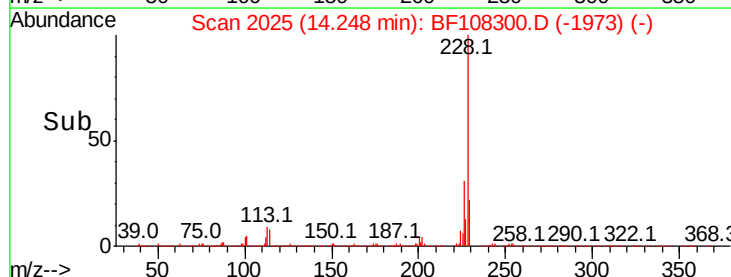
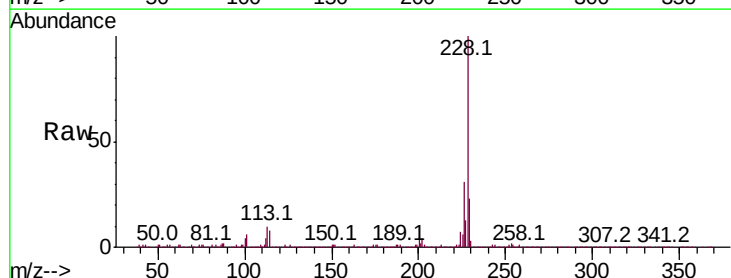
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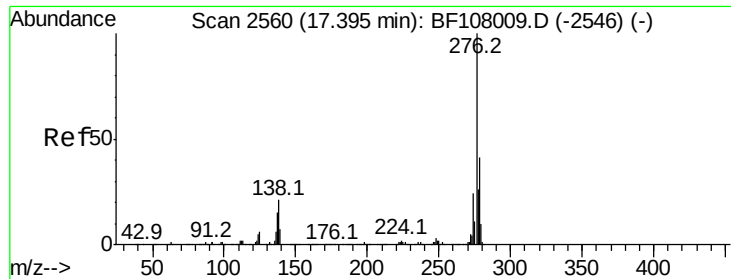
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#82
Chrysene
Concen: 55.073 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.5	16.2	24.4





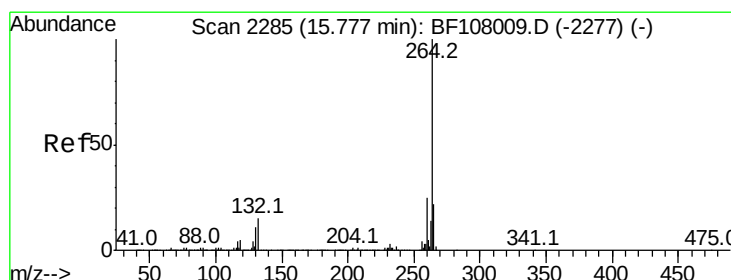
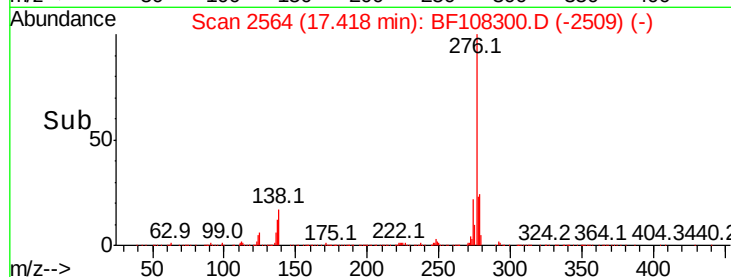
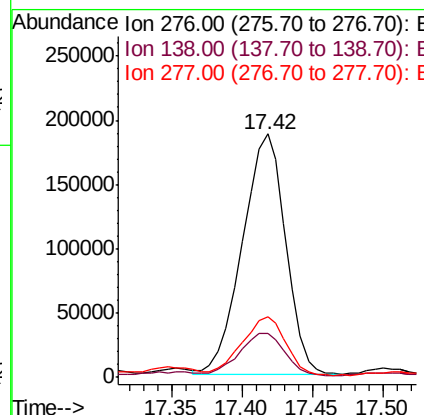
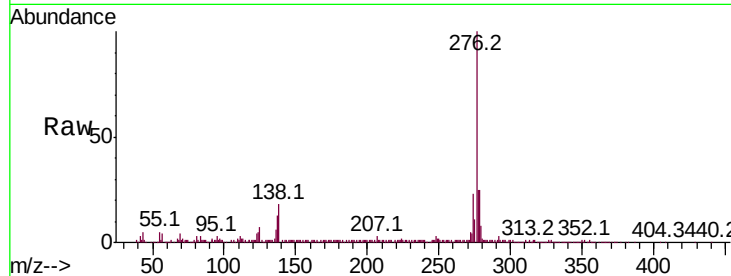
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 27.582 ng
 RT: 17.42 min Scan# 2564
 Delta R.T. 0.02 min
 Lab File: BF108300.D
 Acq: 20 Aug 2018 19:51

Instrument :
 BNA_F
 ClientSampled :
 72-11967

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	25.0	37.6#
277	25.2	20.1	30.1

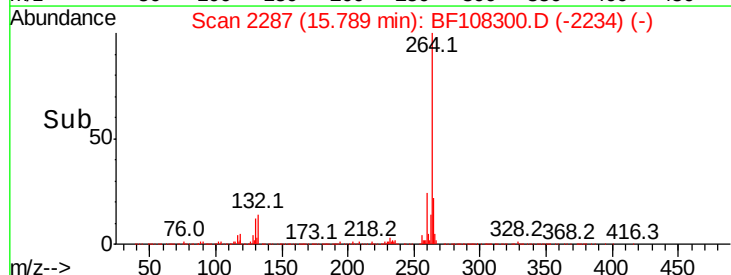
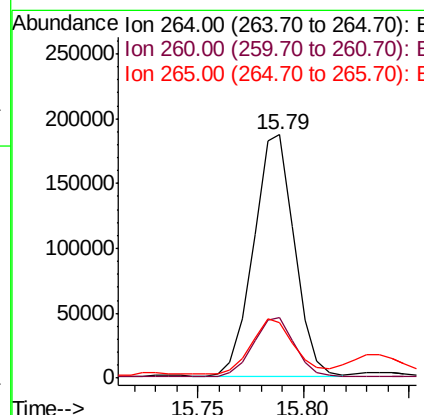
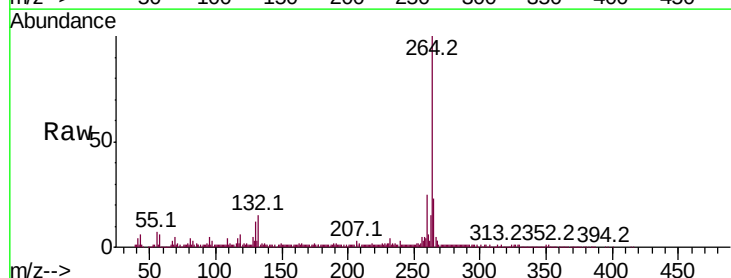
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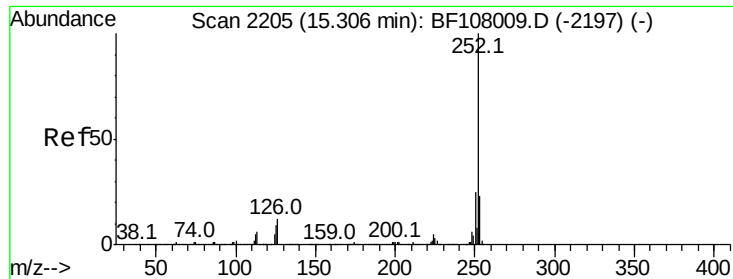
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.79 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF108300.D
 Acq: 20 Aug 2018 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.5	17.5	26.3





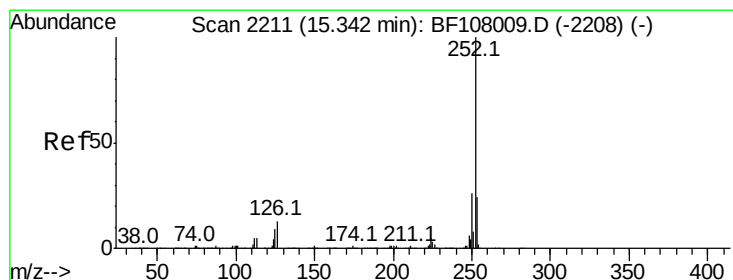
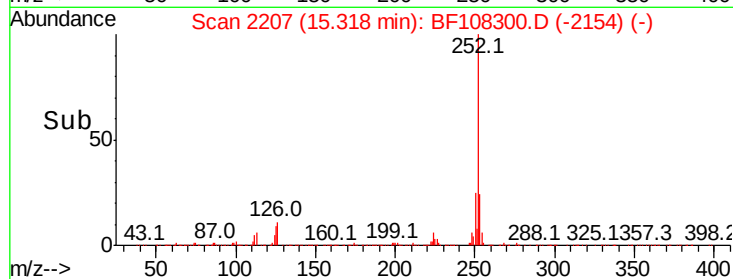
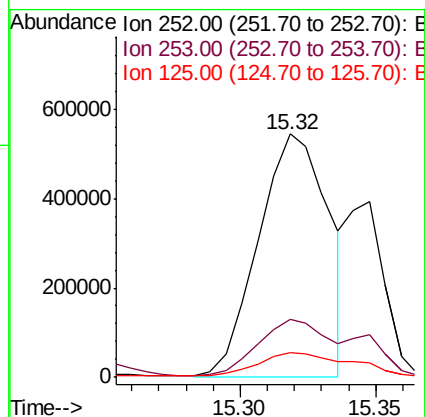
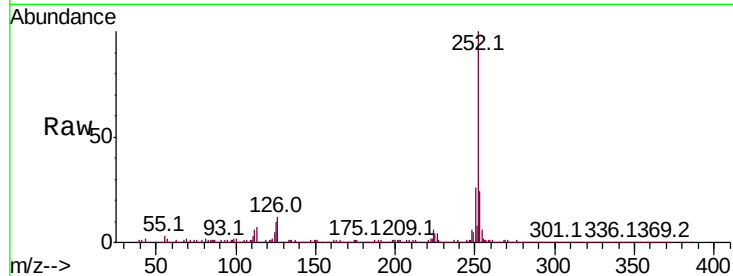
#87
Benzo(b)fluoranthene
Concen: 65.583 ng m
RT: 15.32 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Instrument :
BNA_F
ClientSampleId :
72-11967

Tot Ion:	252	Resp:	983727
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.0	25.6
125	10.0	9.0	13.6

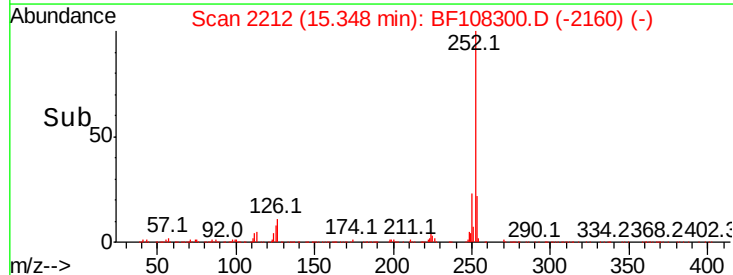
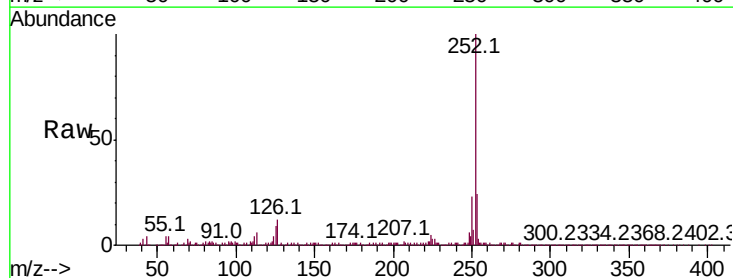
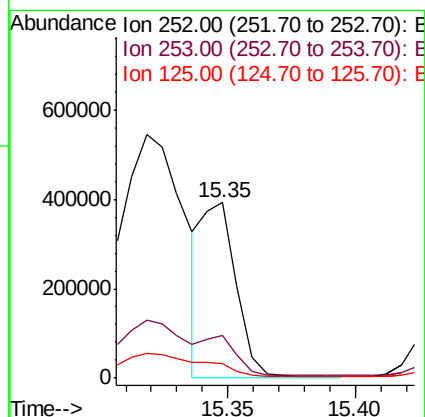
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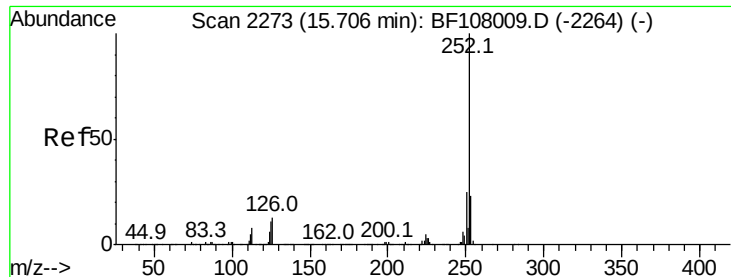
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#88
Benzo(k)fluoranthene
Concen: 26.928 ng m
RT: 15.35 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF108300.D
Acq: 20 Aug 2018 19:51

Tgt Ion:	252	Resp:	371291
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	8.6	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 54.454 ng/mL

RT: 15.72 min Scan# 2276

Delta R.T. 0.02 min

Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

Instrument :

BNA_F

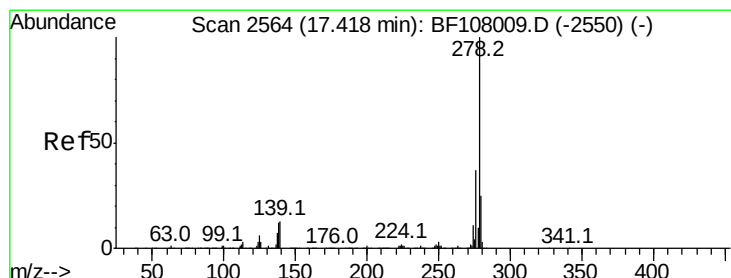
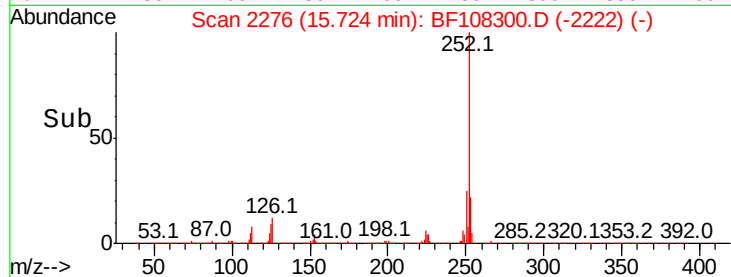
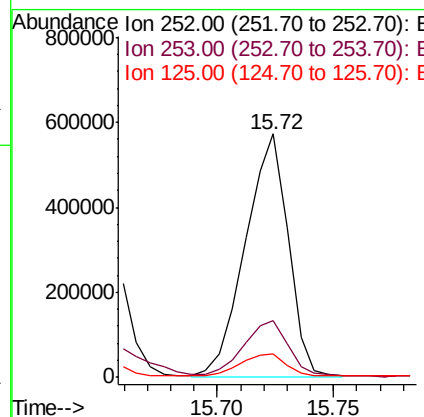
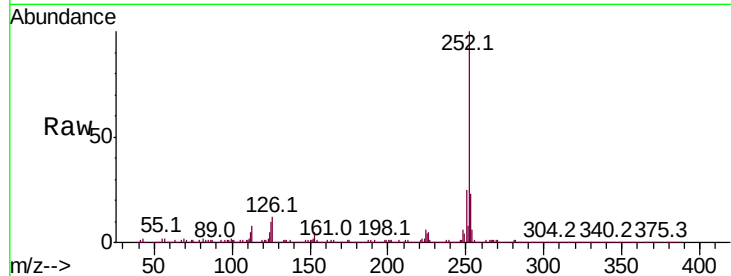
ClientSampleId :

72-11967

Tot Ion:	252	Resp:	731425
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	9.6	9.8	14.6#

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 9.951 ng/mL

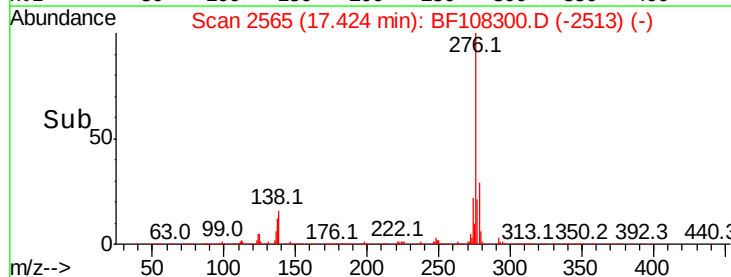
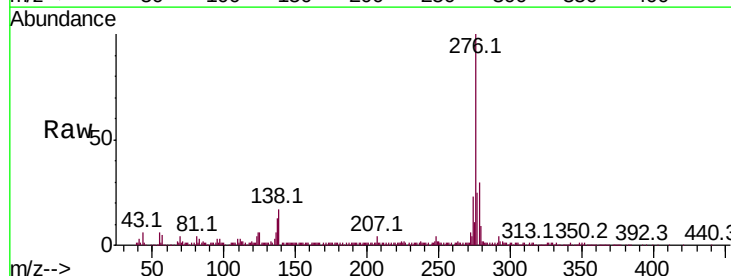
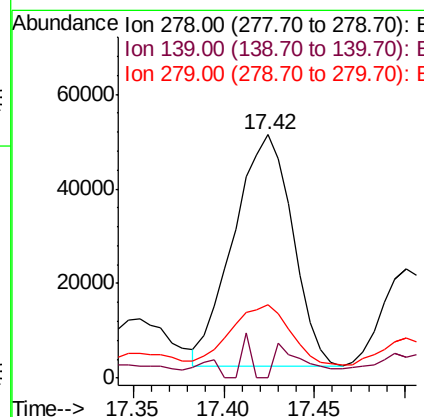
RT: 17.42 min Scan# 2565

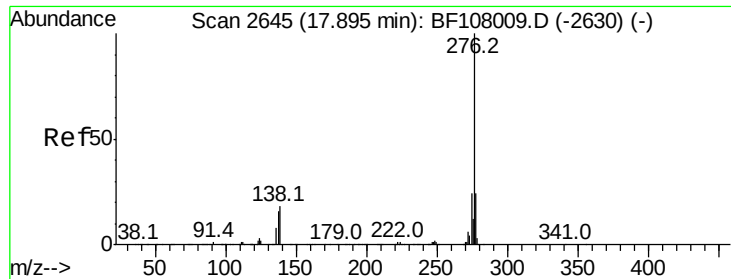
Delta R.T. 0.01 min

Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

Tgt Ion:	278	Resp:	110587
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	30.0	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 32.404 ng

RT: 17.92 min Scan# 2649

Delta R.T. 0.02 min

Lab File: BF108300.D

Acq: 20 Aug 2018 19:51

Instrument :

BNA_F

ClientSampleId :

72-11967

Tot Ion:	276	Resp:	354606
Ion Ratio	Lower	Upper	
276	100		
277	24.8	17.9	26.9
138	18.8	21.8	32.8#

Manual Integrations
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