

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
 Data File : BF108295.D
 Acq On : 20 Aug 2018 17:36
 Operator : JU/SJ
 Sample : J4521-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Manual Integrations
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Sohil
 8/21/2018 1:42:48 PM

Quant Time: Aug 20 18:56:36 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	183078	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	656276	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	289262	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	469746	20.00	ng	0.00
75) Chrysene-d12	14.22	240	333357	20.00	ng	0.00
86) Perylene-d12	15.79	264	285459	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	1168338	115.54	ng	0.02
7) Phenol-d6	6.64	99	1526133	113.57	ng	0.01
23) Nitrobenzene-d5	7.58	82	1010138	85.89	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	321342	111.37	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1660503	92.16	ng	0.00
78) Terphenyl-d14	13.15	244	1298600	99.05	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.76	163	88956	4.415	ng	Qvalue # 97
51) Acenaphthene	10.10	154	251134	15.386	ng	99
54) Dibenzofuran	10.27	168	204284	8.639	ng	99
57) Fluorene	10.61	166	372831	19.917	ng	99
70) Phenanthrene	11.60	178	2849089	128.591	ng	95
71) Anthracene	11.64	178	1299627	57.231	ng	99
72) Carbazole	11.79	167	74581	3.697	ng	98
74) Fluoranthene	12.80	202	4335945	179.313	ng	93
77) Pyrene	13.03	202	4131926	195.780	ng	# 90
80) Benzo(a)anthracene	14.22	228	2433922	127.222	ng	94
82) Chrysene	14.25	228	2053638m	117.087	ng	
85) Indeno(1,2,3-cd)pyrene	17.43	276	884980	58.233	ng	# 87
87) Benzo(b)fluoranthene	15.33	252	2482018m	145.510	ng	
88) Benzo(k)fluoranthene	15.35	252	655667m	41.816	ng	
89) Benzo(a)pyrene	15.74	252	1689051m	110.581	ng	
90) Dibenzo(a,h)anthracene	17.43	278	244227	19.325	ng	# 92
91) Benzo(a,h,i)perylene	17.94	276	768511	61.755	ng	# 88

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

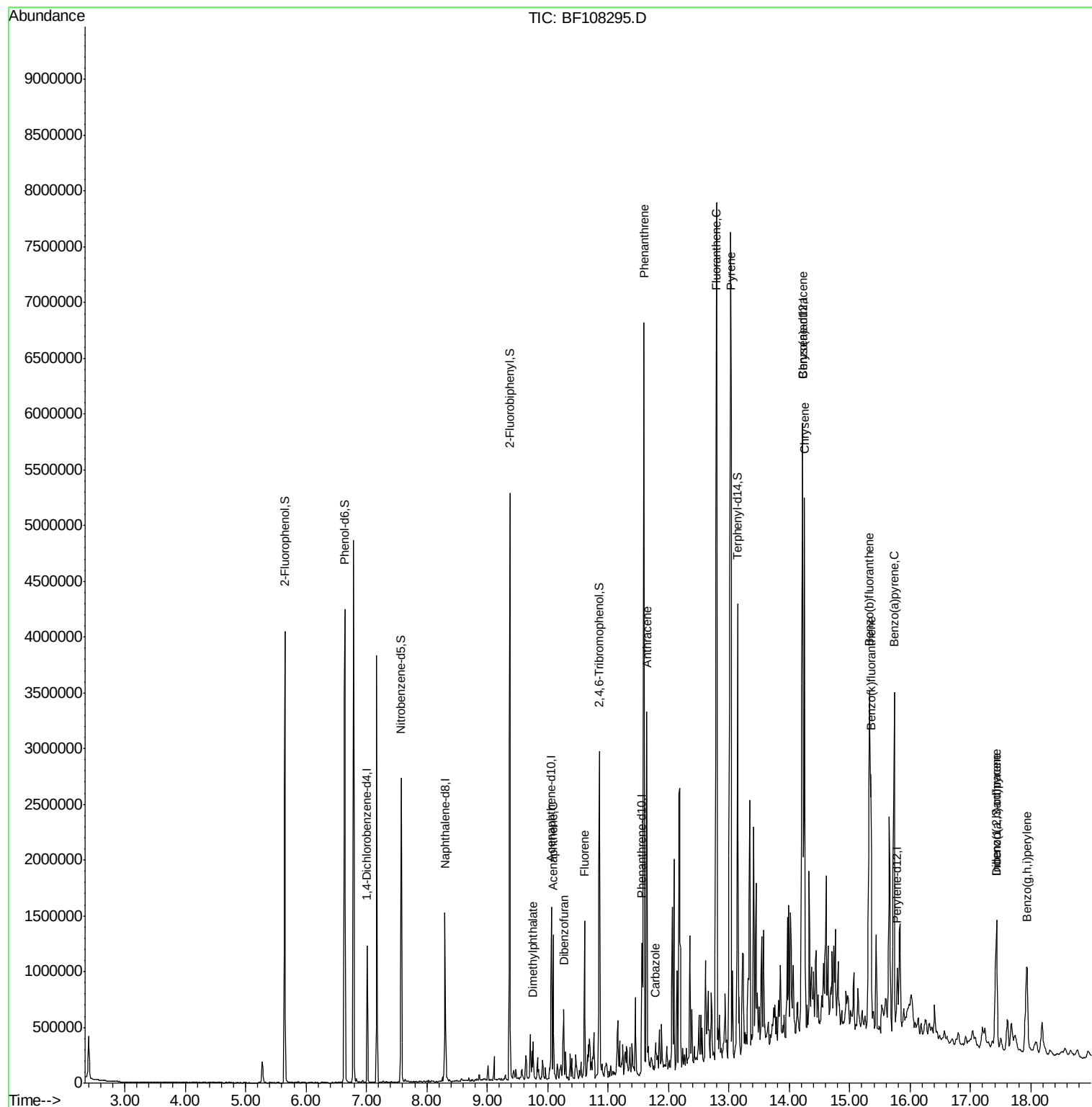
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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ALS Vial : 7 Sample Multiplier: 1

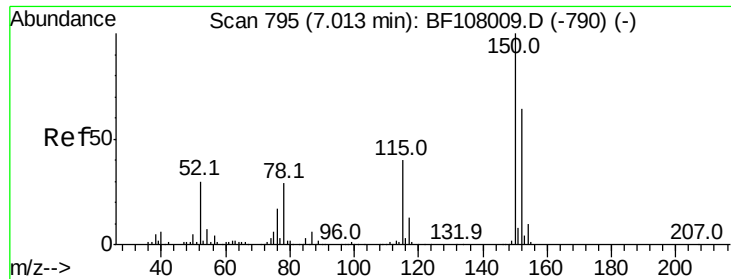
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#1

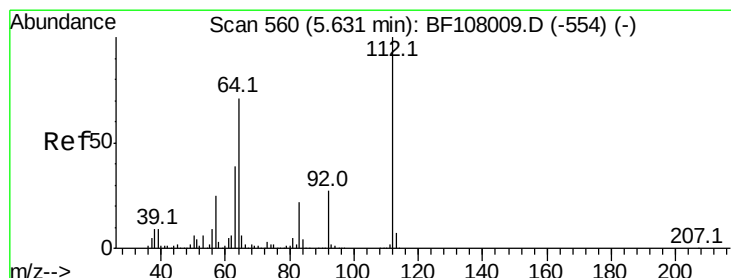
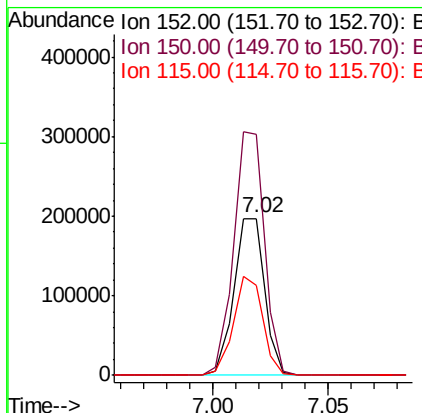
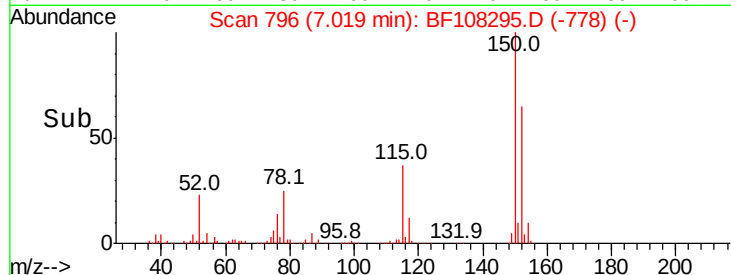
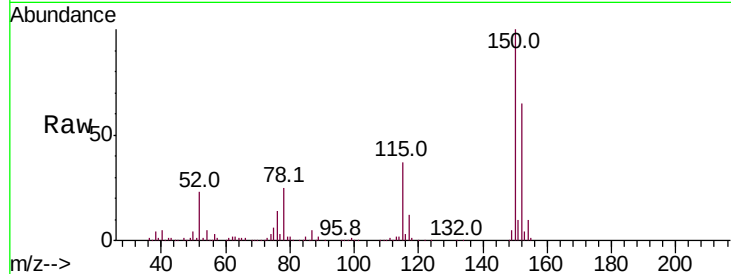
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	57.6	50.1	75.1

Manual Integrations
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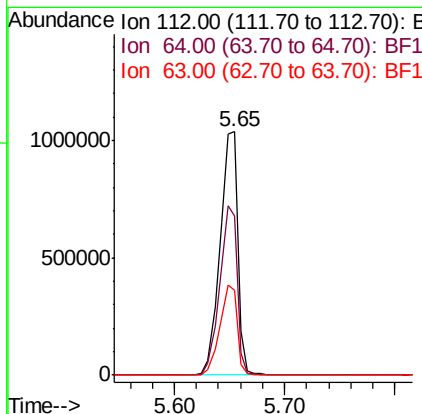
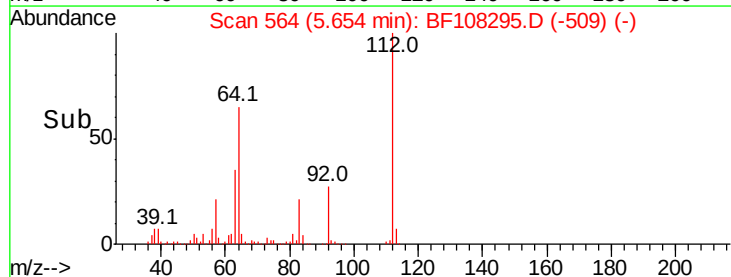
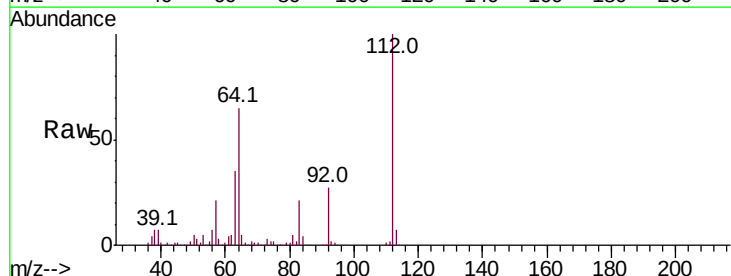
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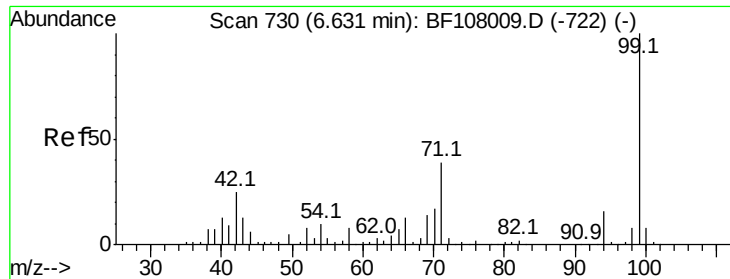


#5

2-Fluorophenol
Concen: 115.537 ng
RT: 5.65 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	34.6	23.7	35.5





#7

Phenol-d6

Concen: 113.570 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

Tot Ion: 99 Resp: 1526133

Ion Ratio Lower Upper

99 100

42 22.6 14.5 21.7#

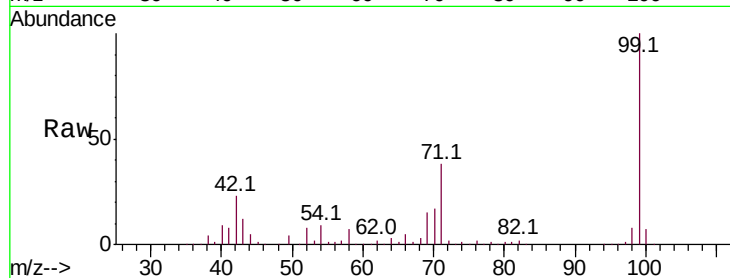
71 37.7 25.4 38.0

Manual Integrations

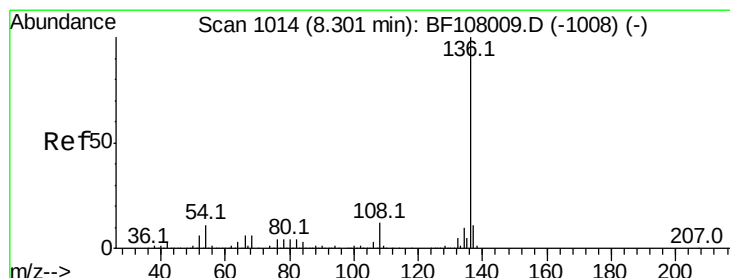
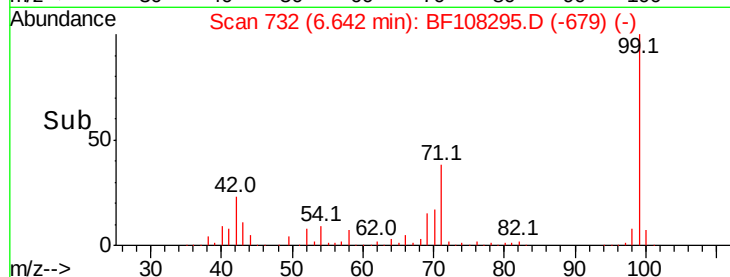
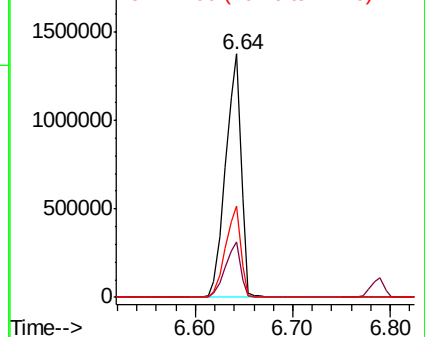
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Tgt Ion:136 Resp: 656276

Ion Ratio Lower Upper

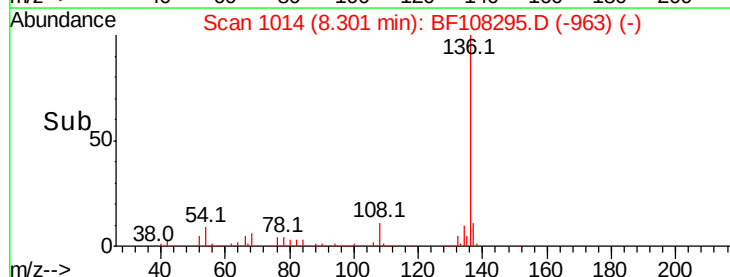
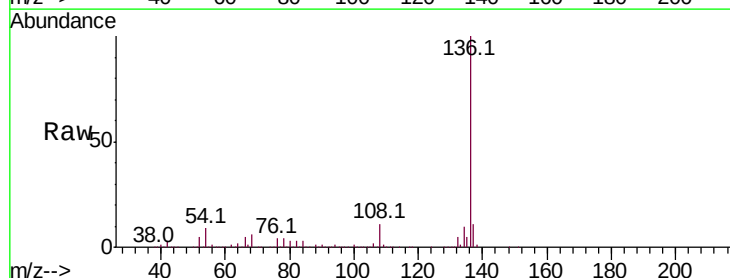
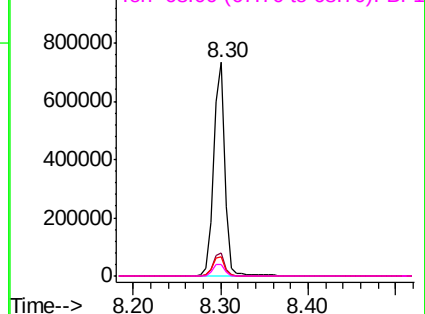
136 100

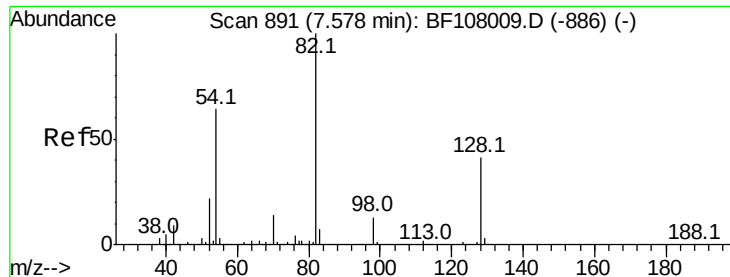
137 11.1 8.9 13.3

54 9.0 6.6 9.8

68 5.5 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





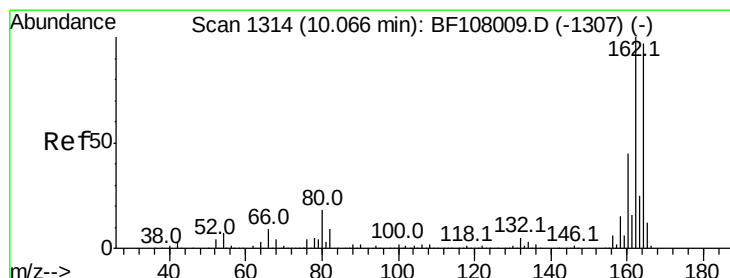
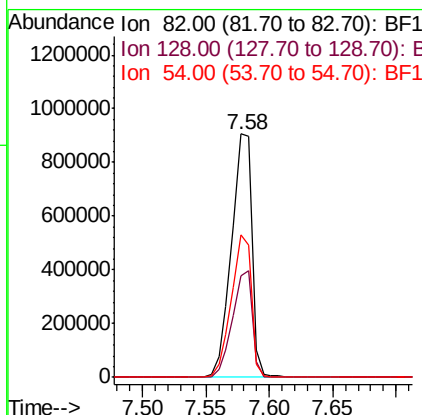
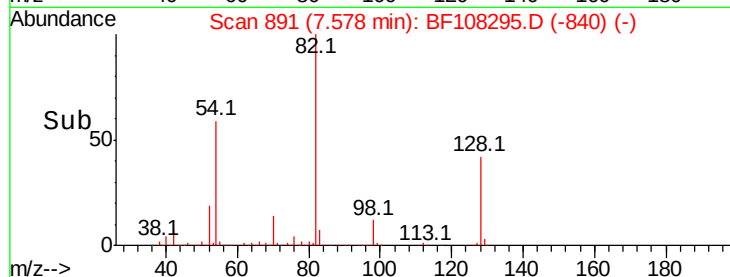
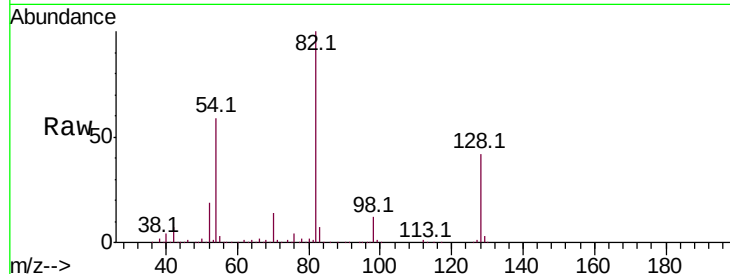
#23
 Nitrobenzene-d5
 Concen: 85.889 ng
 RT: 7.58 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	58.6	41.4	62.2

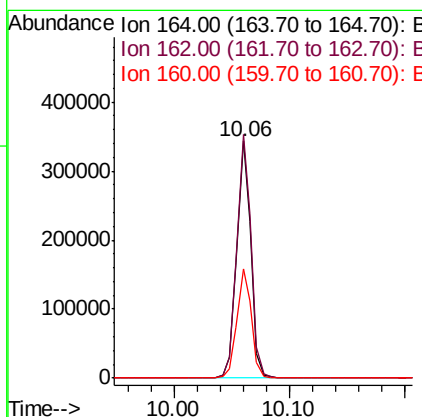
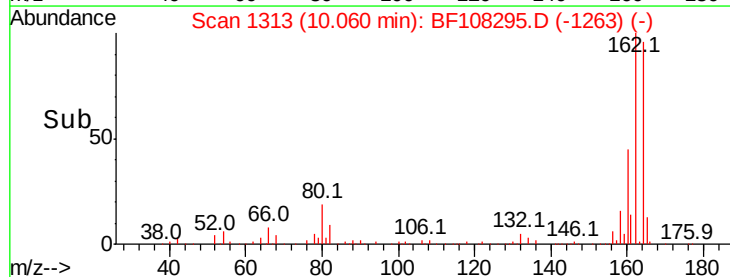
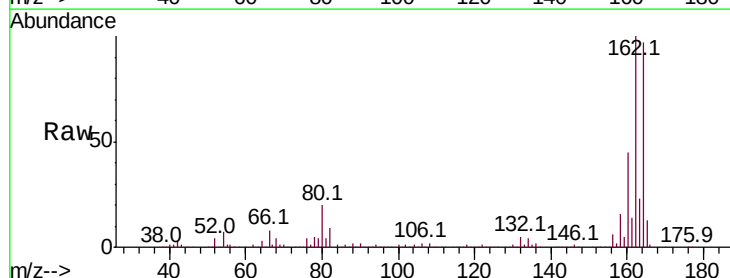
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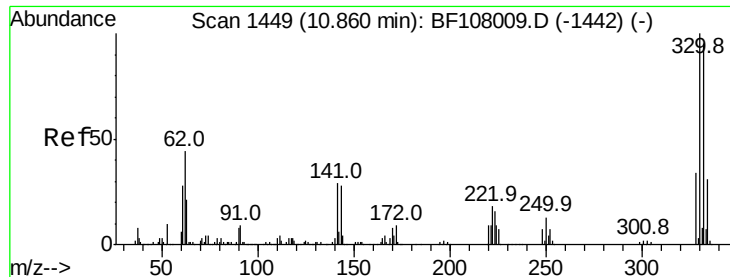
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	45.8	38.3	57.5





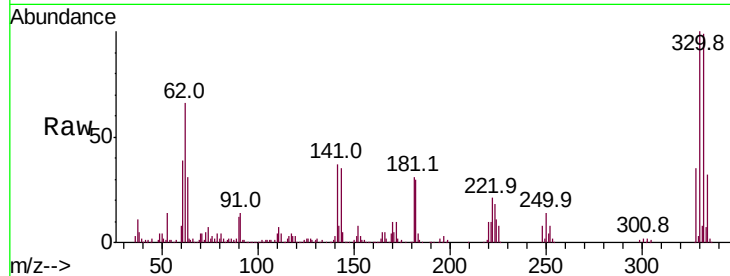
#41
 2,4,6-Tribromophenol
 Concen: 111.372 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

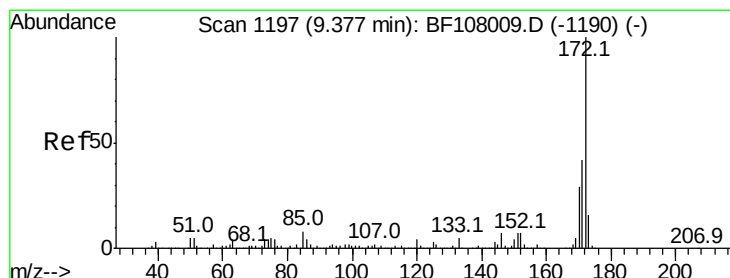
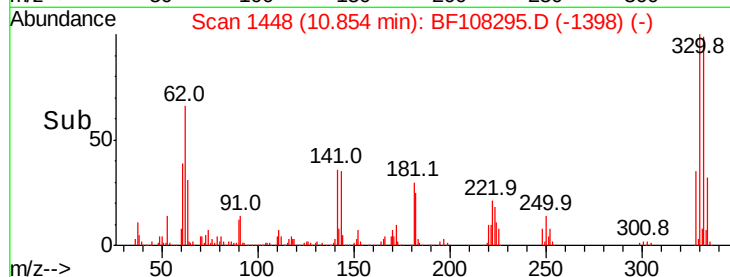
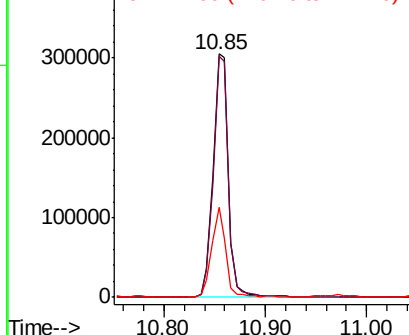
Tot Ion:	330	Resp:	321342
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.0	115.6
141	33.3	29.9	44.9

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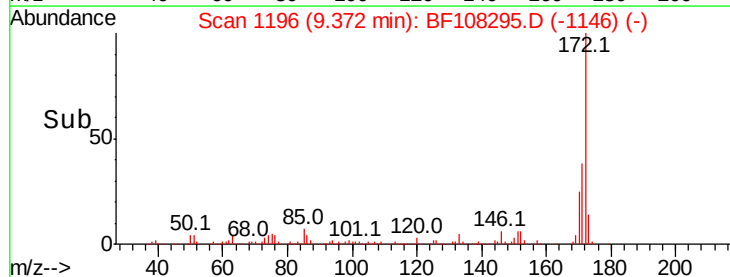
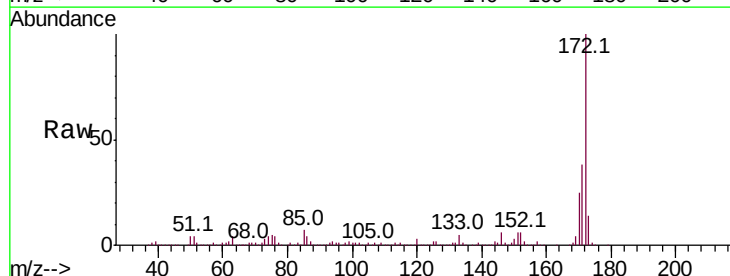
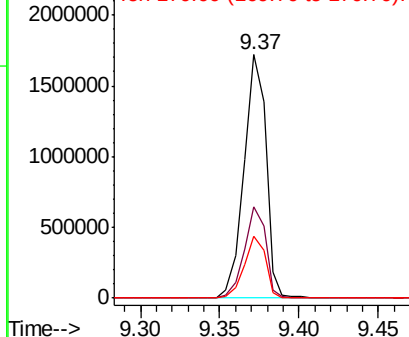
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

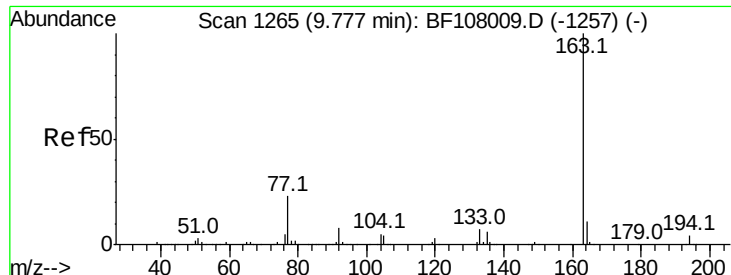


#44
 2-Fluorobiphenyl
 Concen: 92.162 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Tgt Ion:	172	Resp:	1660503
Ion Ratio	Lower	Upper	
172	100		
171	37.5	29.7	44.5
170	25.3	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





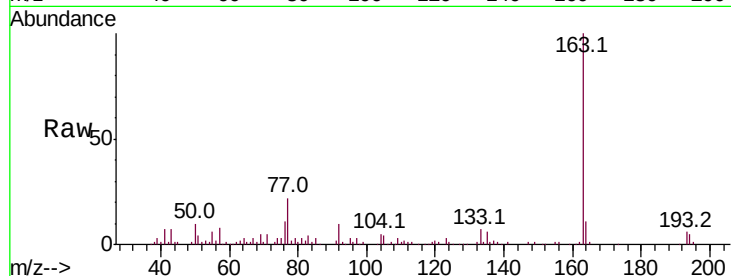
#49
Dimethylphthalate
Concen: 4.415 ng
RT: 9.76 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

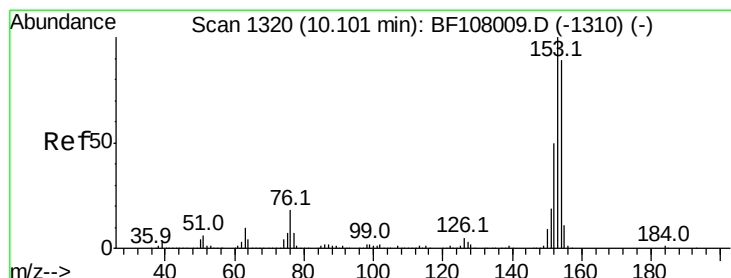
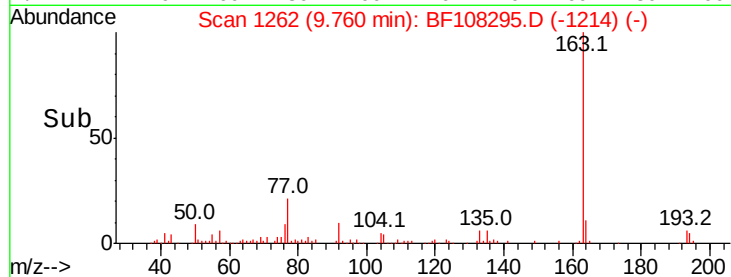
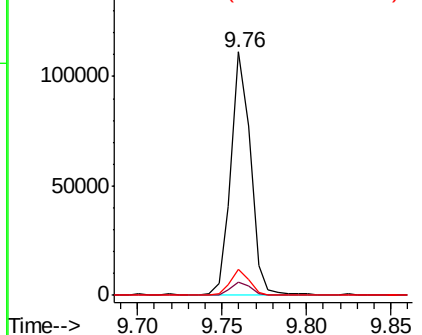
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.3	2.7	4.1#	
164	10.8	8.2	12.2	

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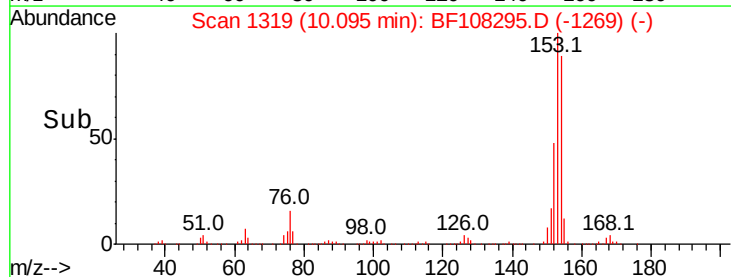
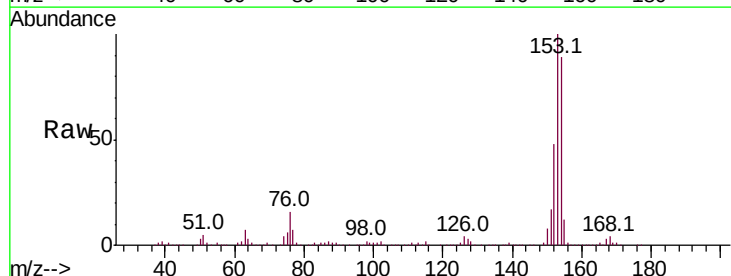
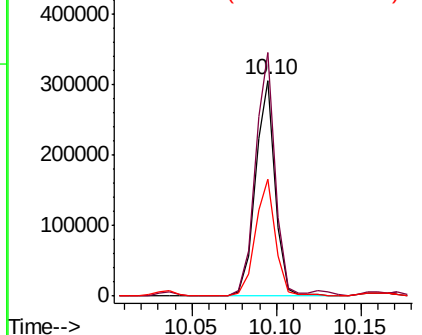
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

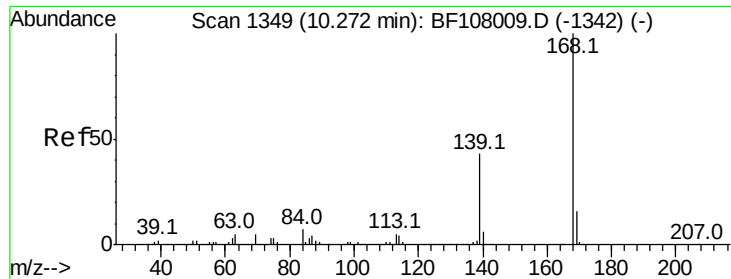


#51
Acenaphthene
Concen: 15.386 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.7	91.2	136.8	
152	54.2	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





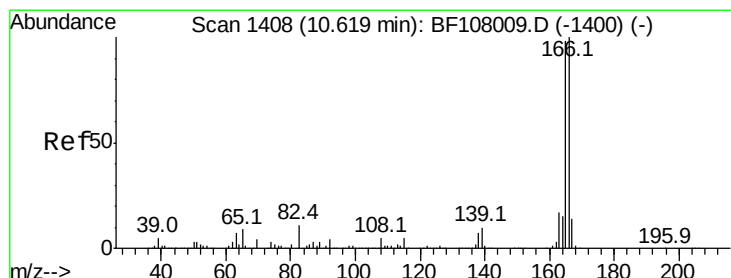
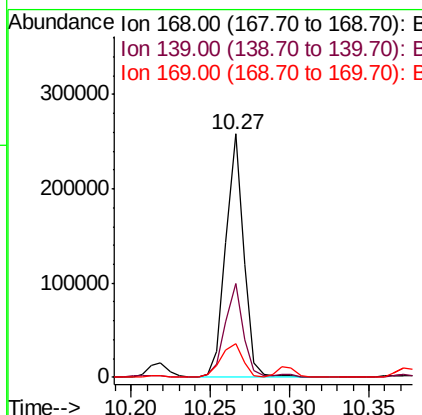
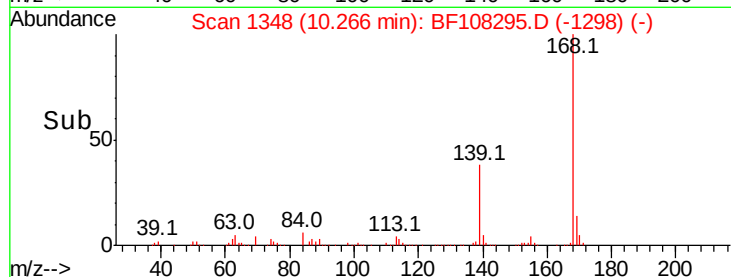
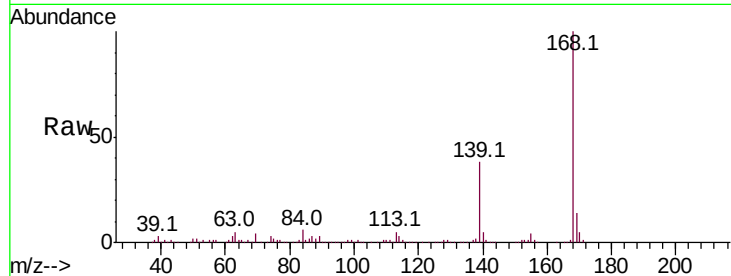
#54
Dibenzofuran
Concen: 8.639 ng
RT: 10.27 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampled :
72-12003

Tot Ion	Ratio	Resp	Lower	Upper
168	100	204284		
139	38.3		30.1	45.1
169	14.0		10.9	16.3

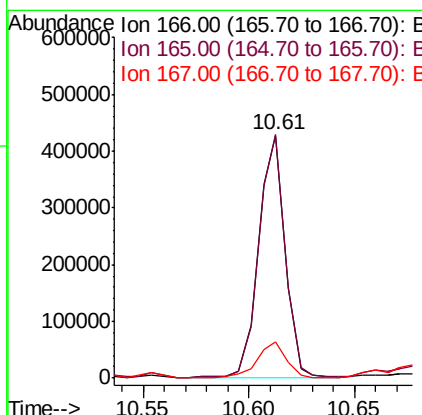
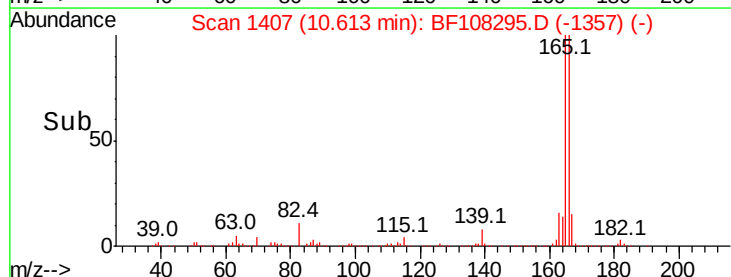
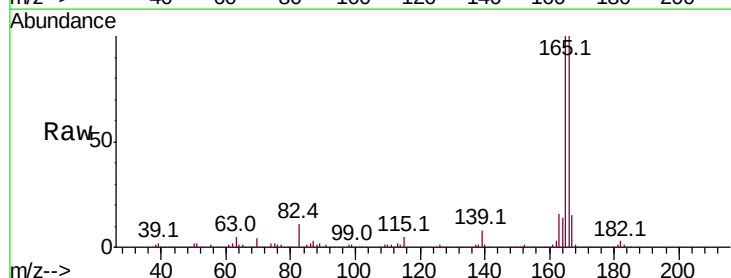
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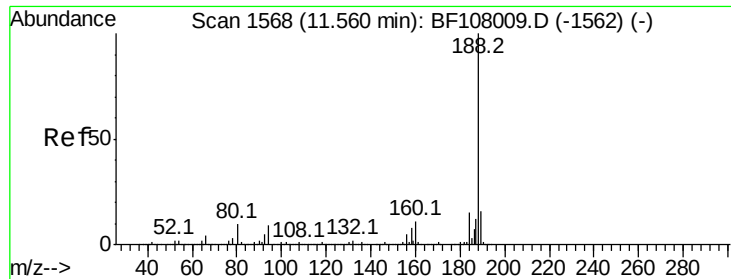
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#57
Fluorene
Concen: 19.917 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	372831		
165	100.3		79.8	119.8
167	14.8		10.6	16.0





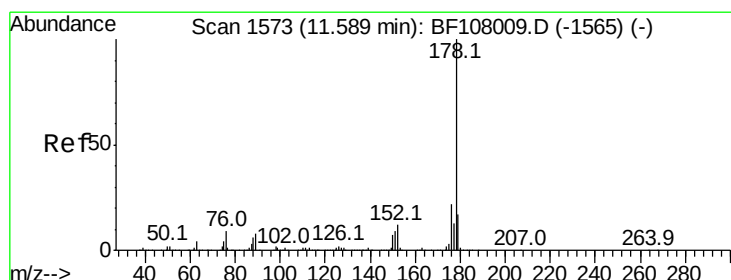
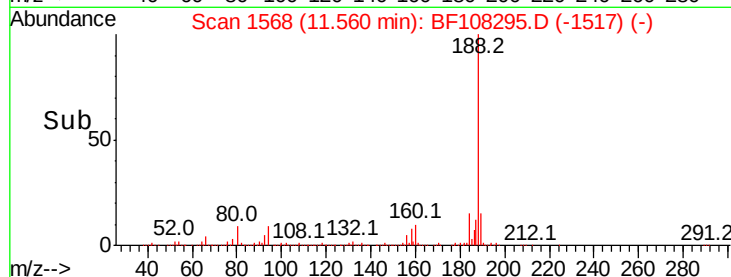
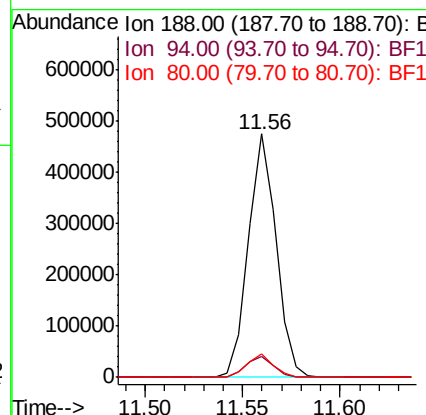
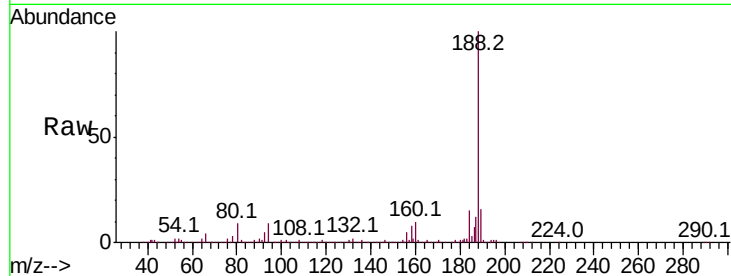
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Resp	Lower	Upper
188	100	469746		
94	8.7		8.5	12.7
80	9.5		9.2	13.8

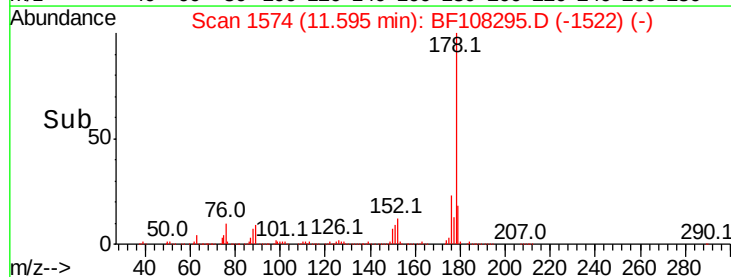
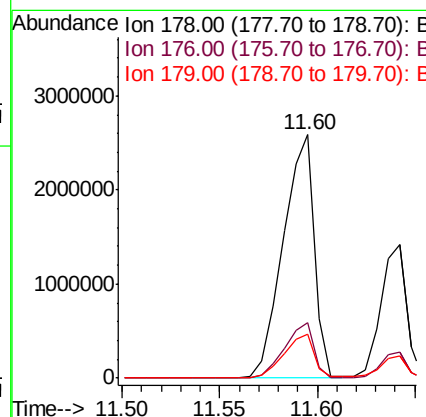
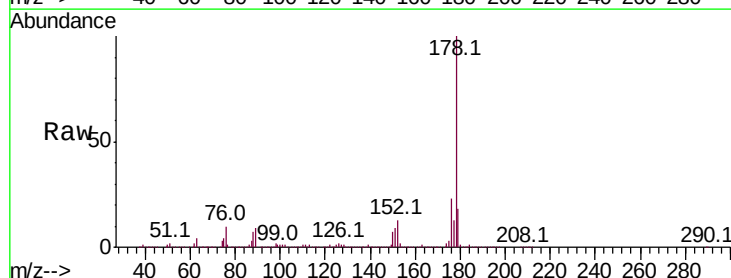
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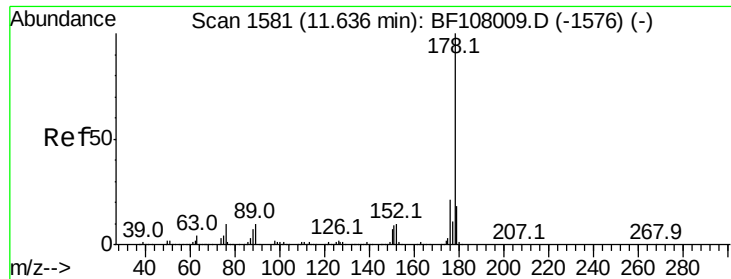
Sohil
8/21/2018 1:42:48 PM



#70
Phenanthrene
Concen: 128.591 ng
RT: 11.60 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2849089		
176	22.8		15.8	23.8
179	18.0		13.0	19.6





#71

Anthracene

Concen: 57.231 ng

RT: 11.64 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

ClientSampleId :

72-12003

Tot Ion:178 Resp: 1299627

Ion Ratio Lower Upper

178 100

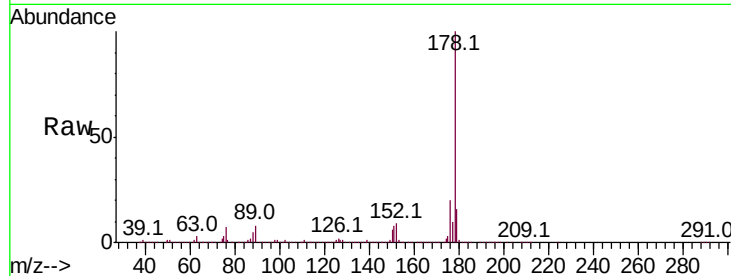
176 19.7 15.4 23.2

179 16.3 12.6 19.0

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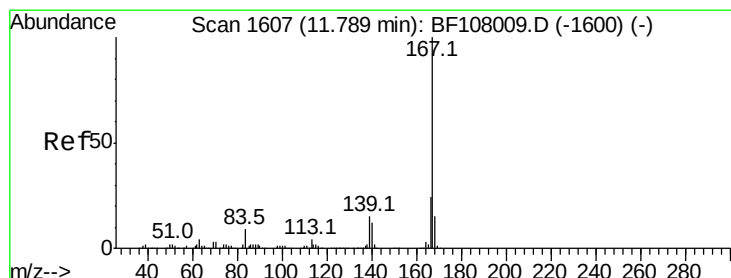
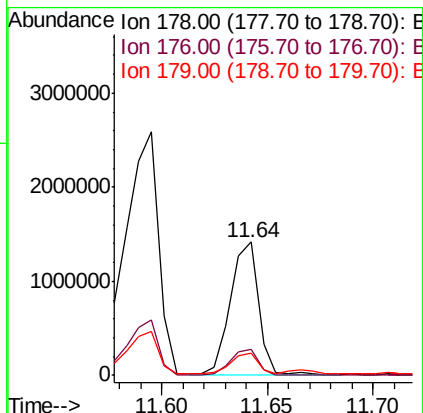
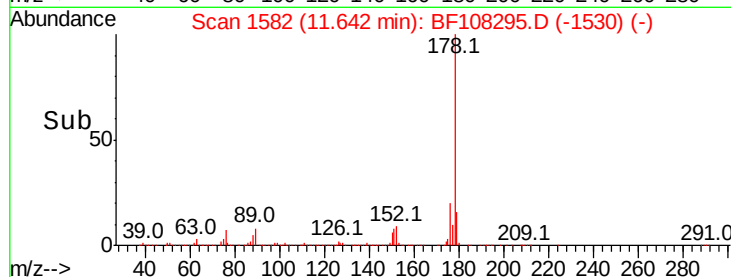
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.697 ng

RT: 11.79 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

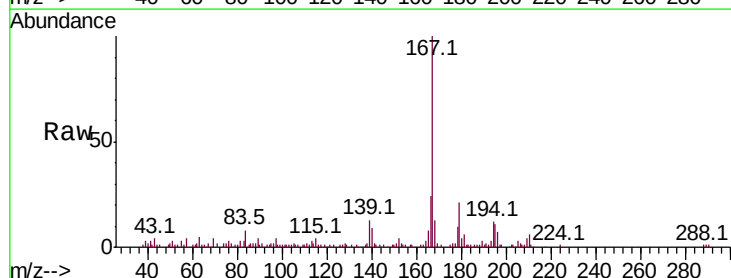
Tgt Ion:167 Resp: 74581

Ion Ratio Lower Upper

167 100

166 23.5 17.6 26.4

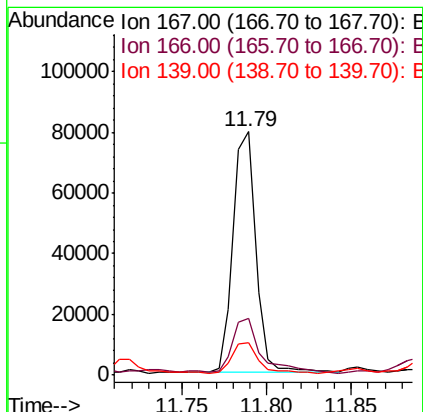
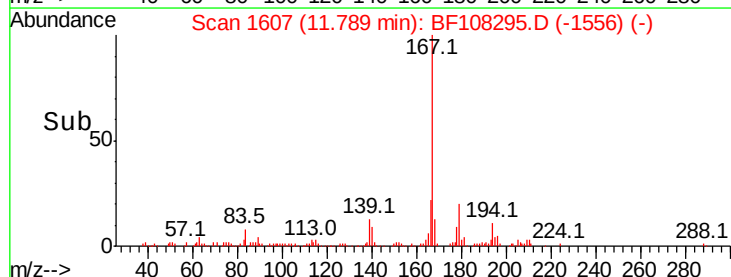
139 13.3 10.9 16.3

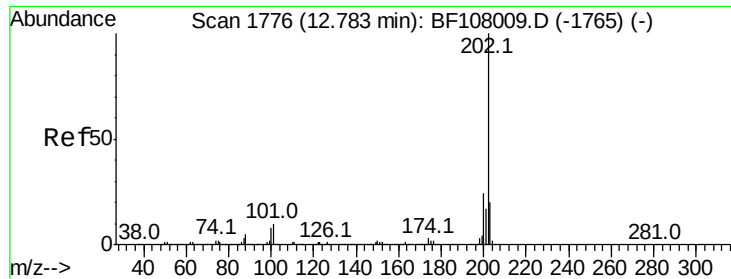


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 179.313 ng

RT: 12.80 min Scan# 1779

Delta R.T. 0.02 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Instrument :

BNA_F

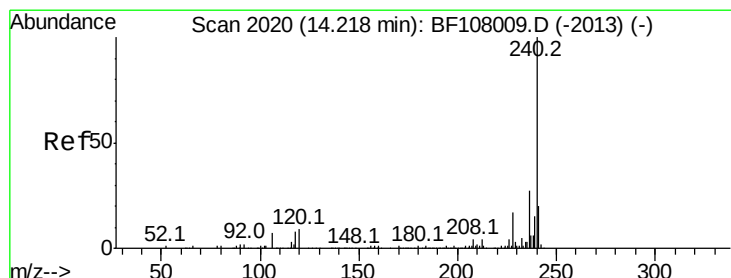
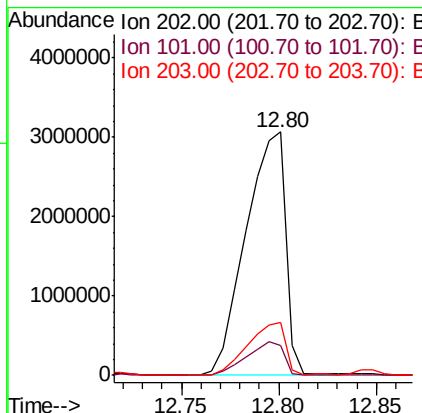
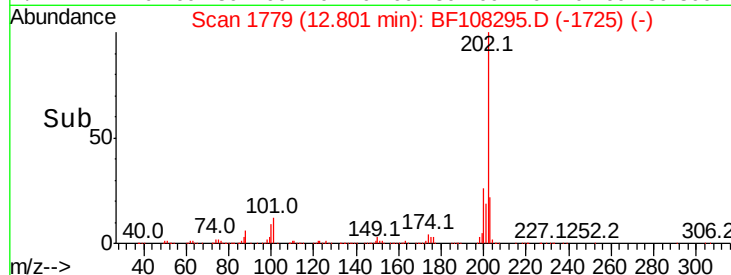
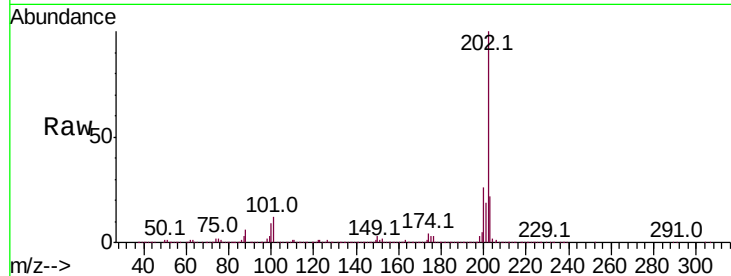
ClientSampleId :

72-12003

Tot Ion:	202	Resp:	4335945
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	21.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

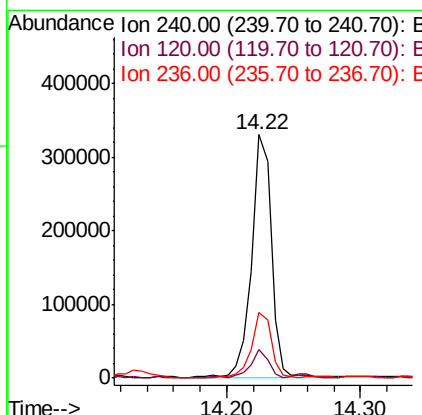
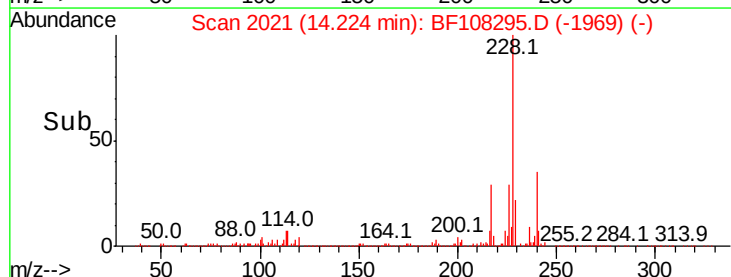
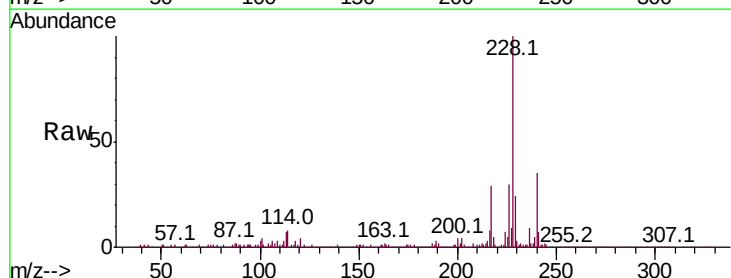
RT: 14.22 min Scan# 2021

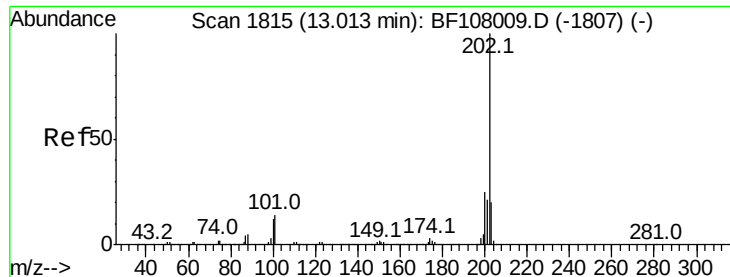
Delta R.T. 0.01 min

Lab File: BF108295.D

Acq: 20 Aug 2018 17:36

Tgt Ion:	240	Resp:	333357
Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.8	20.7	31.1





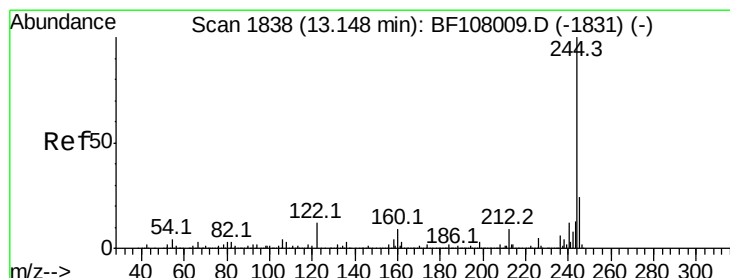
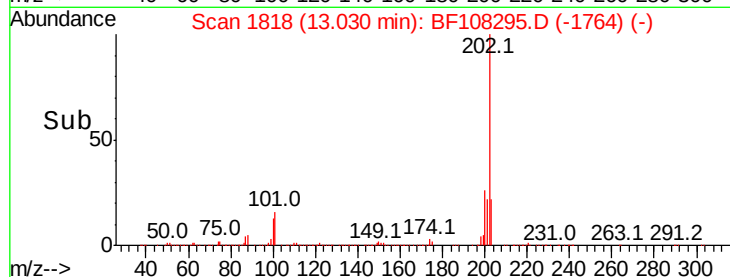
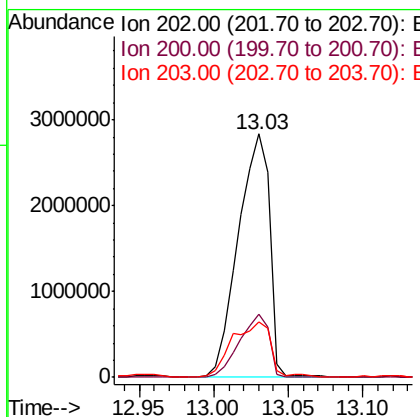
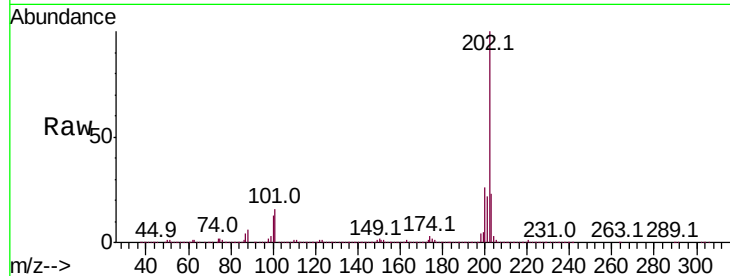
#77
Pvrene
Concen: 195.780 ng
RT: 13.03 min Scan# 1818
Delta R.T. 0.02 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
202	100		
200	26.1	17.4	26.2
203	22.8	14.3	21.5#

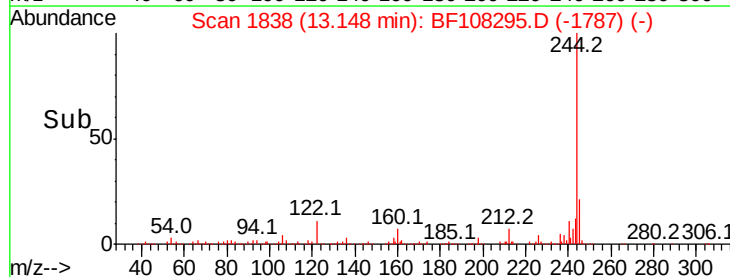
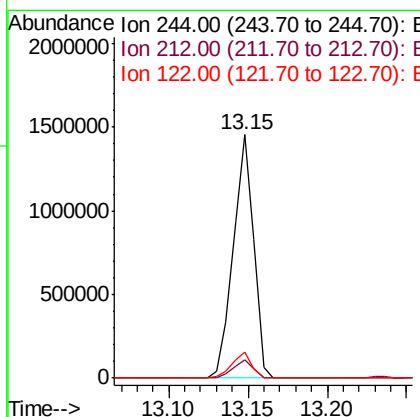
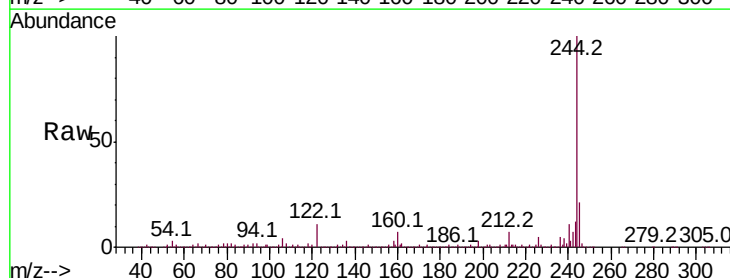
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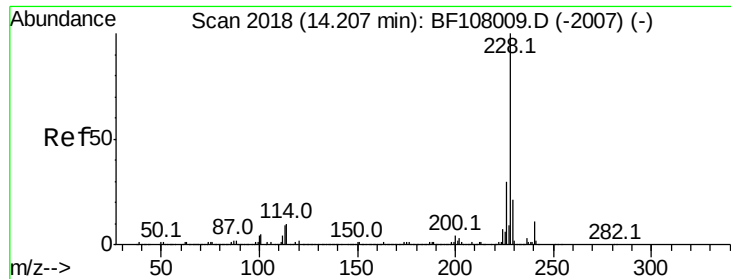
Sohil
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#78
Terphenyl-d14
Concen: 99.046 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	10.6	11.0	16.4#





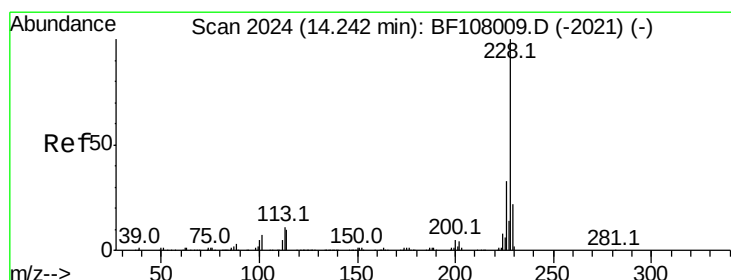
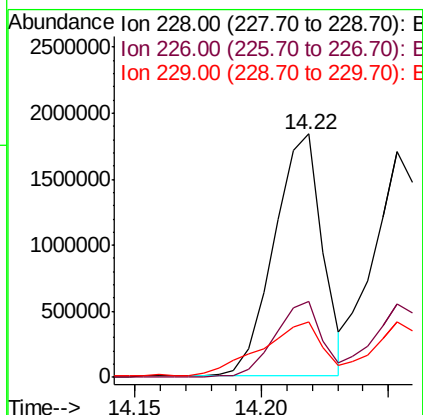
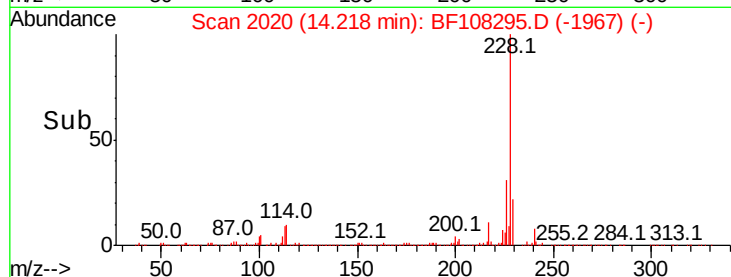
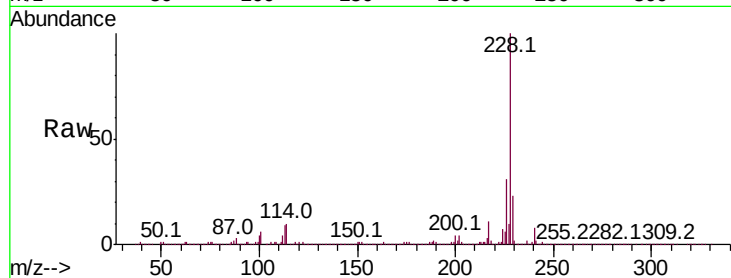
#80
Benzo(a)anthracene
Concen: 127.222 ng
RT: 14.22 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	22.6	15.8	23.6

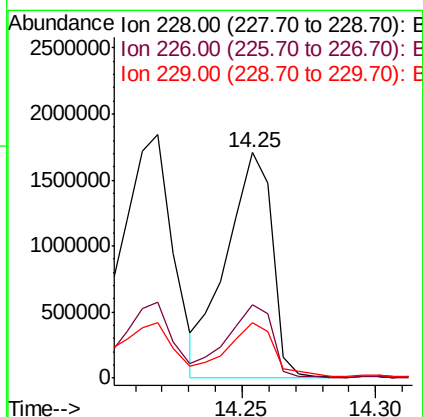
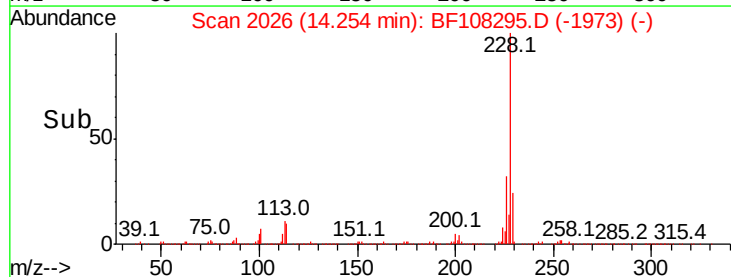
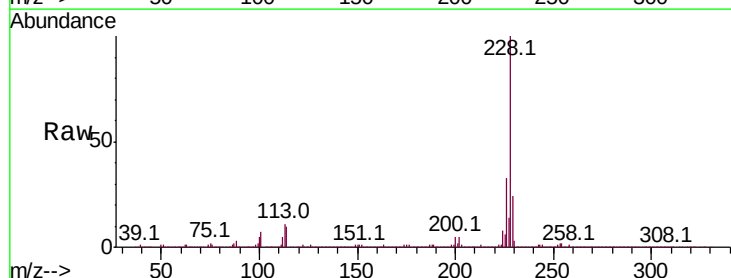
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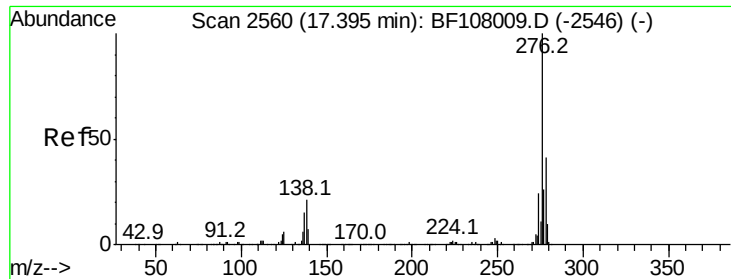
Sohil
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#82
Chrysene
Concen: 117.087 ng m
RT: 14.25 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.0	37.6
229	24.4	16.2	24.4#





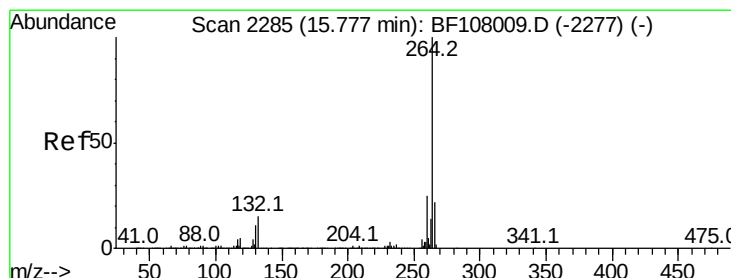
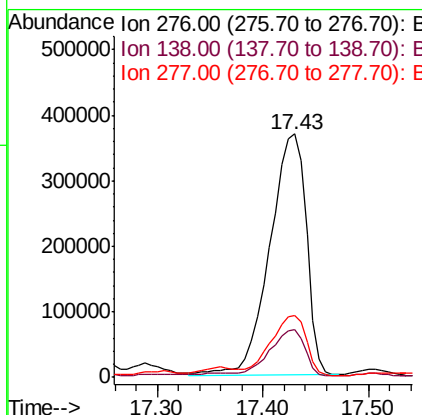
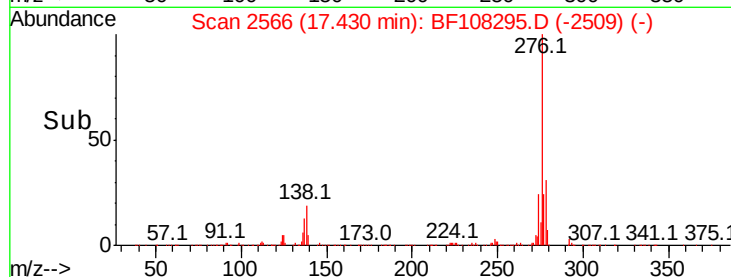
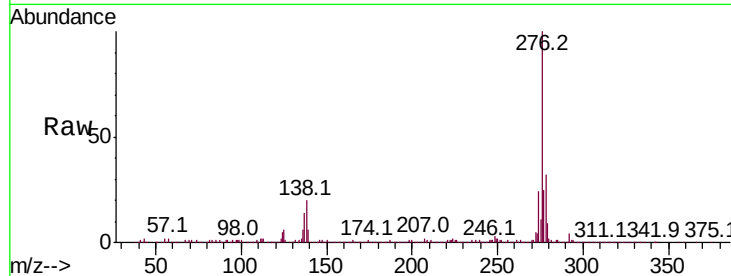
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 58.233 ng
 RT: 17.43 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Instrument :
 BNA_F
 ClientSampled :
 72-12003

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	25.0	37.6#
277	24.8	20.1	30.1

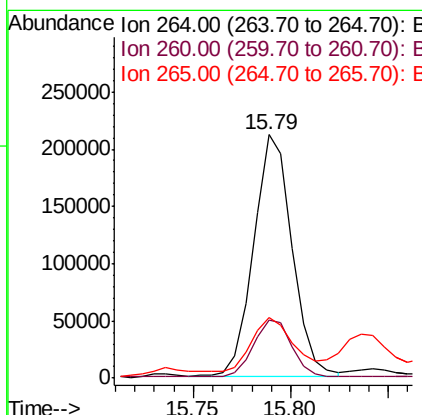
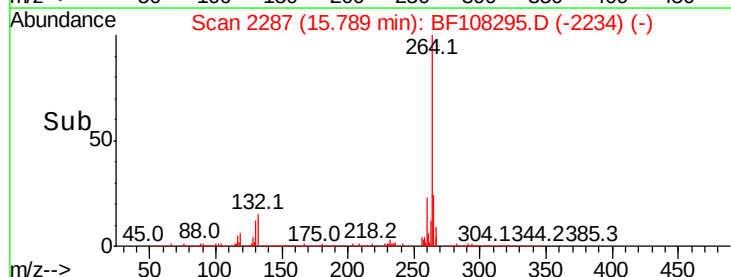
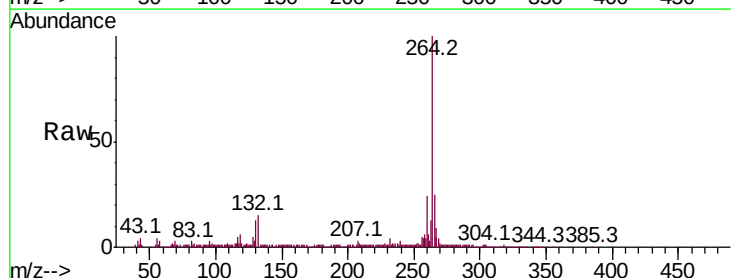
Manual Integrations
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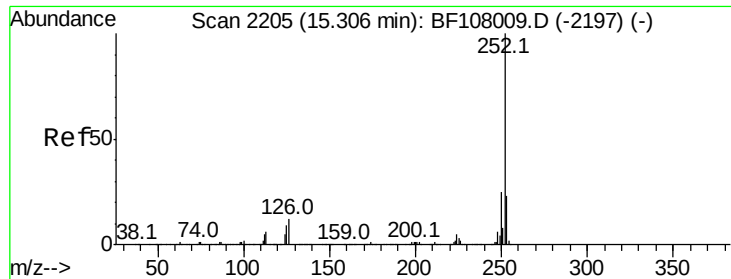
Sohil
 8/21/2018 1:42:48 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.79 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	24.8	17.5	26.3





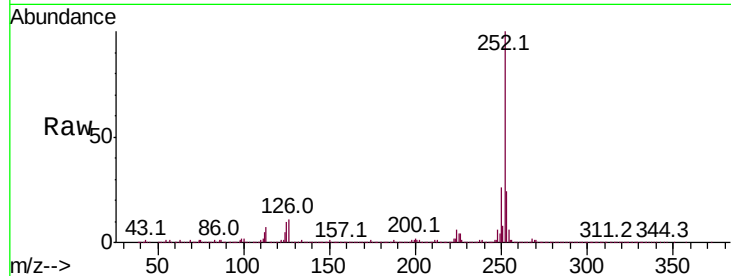
#87
Benzo(b)fluoranthene
Concen: 145.510 ng m
RT: 15.33 min Scan# 2209
Delta R.T. 0.02 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	10.1	9.0	13.6

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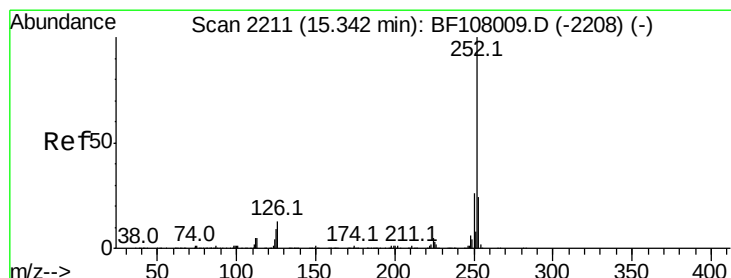
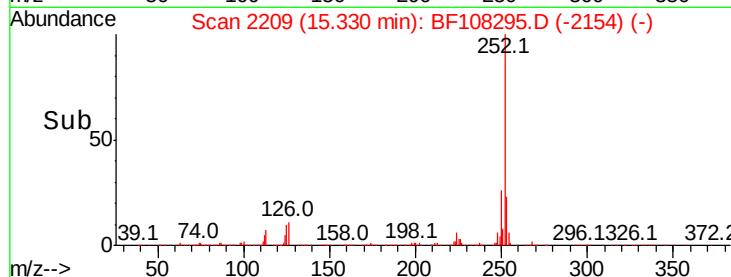
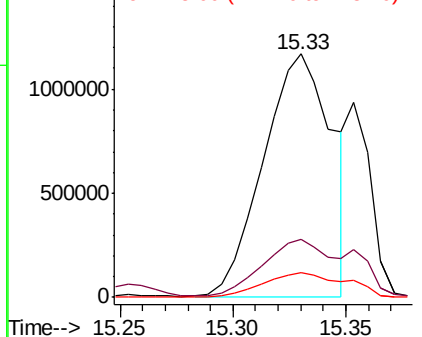


Abundance

Ion 252.00 (251.70 to 252.70): E

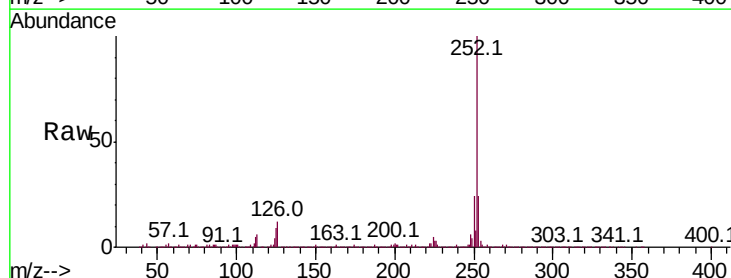
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 41.816 ng m
RT: 15.35 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	8.6	10.2	15.2#

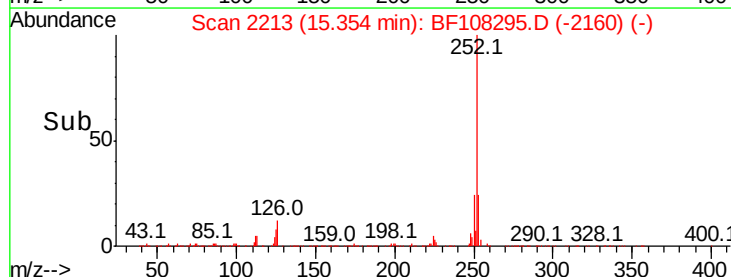
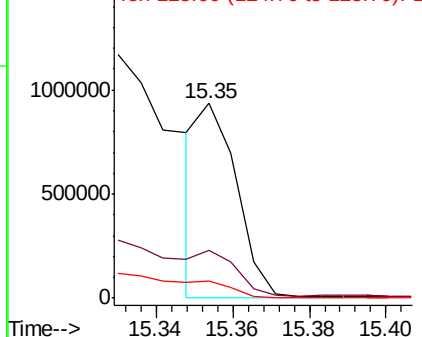


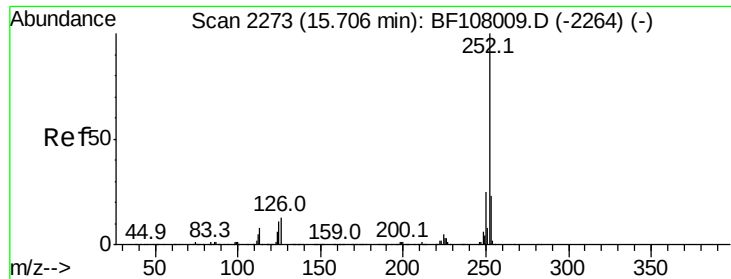
Abundance

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





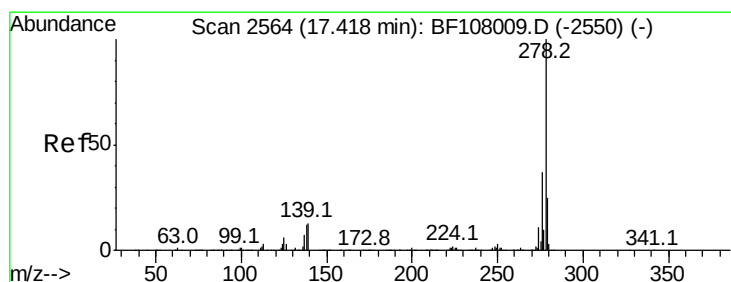
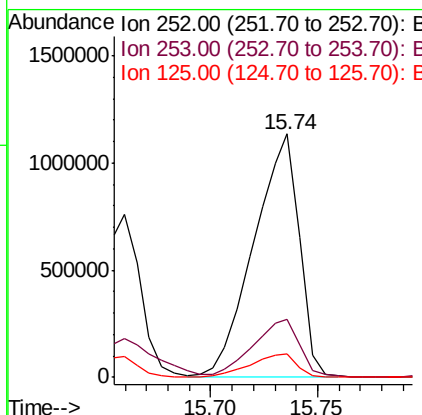
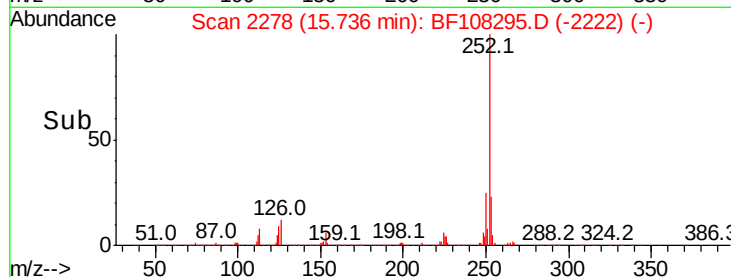
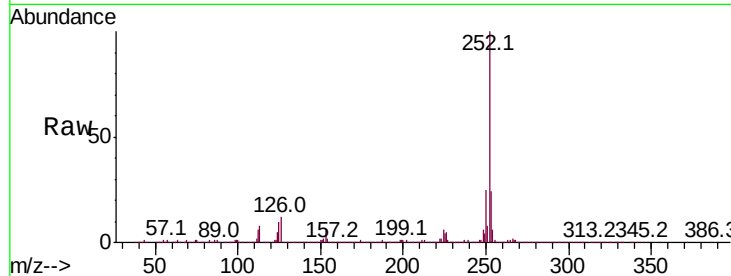
#89
Benzo(a)pyrene
Concen: 110.581 ng/ml
RT: 15.74 min Scan# 2278
Delta R.T. 0.03 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Instrument :
BNA_F
ClientSampleId :
72-12003

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	9.5	9.8	14.6

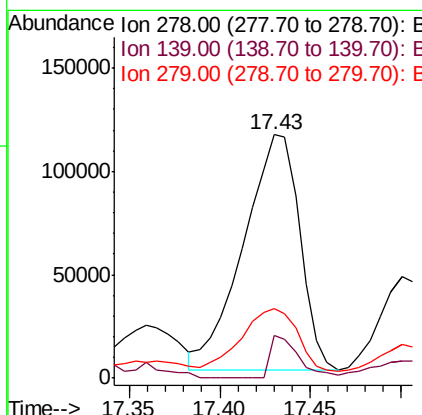
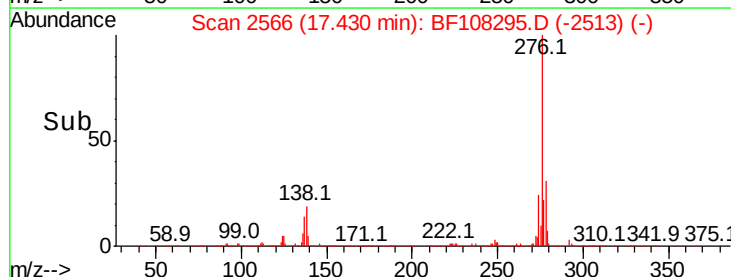
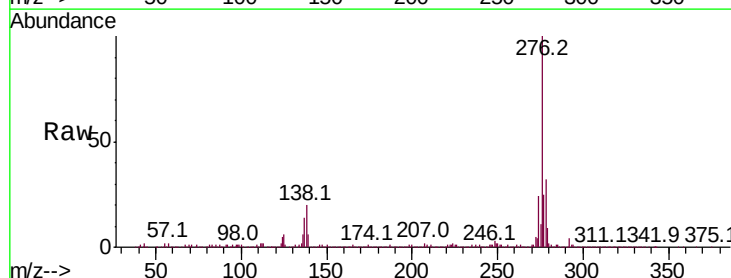
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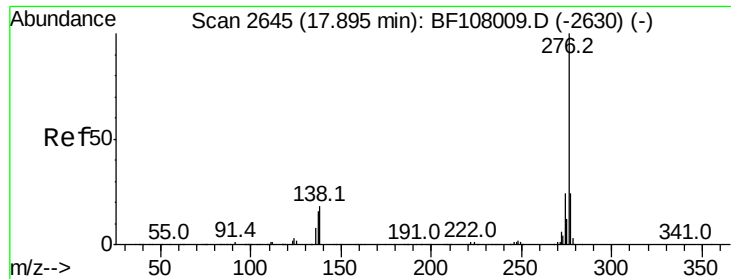
Sohil
8/21/2018 1:42:48 PM



#90
Dibenzo(a,h)anthracene
Concen: 19.325 ng
RT: 17.43 min Scan# 2566
Delta R.T. 0.01 min
Lab File: BF108295.D
Acq: 20 Aug 2018 17:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	15.9	23.9
279	28.5	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 61.755 ng
 RT: 17.94 min Scan# 2652
 Delta R.T. 0.04 min
 Lab File: BF108295.D
 Acq: 20 Aug 2018 17:36

Instrument :
 BNA_F
 ClientSampleId :
 72-12003

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	18.0	21.8	32.8#

Manual Integrations
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 8/21/2018 1:42:48 PM

