

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107942.D
 Acq On : 3 Aug 2018 17:18
 Operator : JU/SJ
 Sample : J4310-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Manual Integrations
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Sohil
 8/6/2018 5:05:30 PM

Quant Time: Aug 03 17:57:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	116724	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	532614	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	236652	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	434735	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	306564	20.00	ng	-0.01
86) Perylene-d12	15.68	264	372447	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	714261	104.00	ng	0.00
7) Phenol-d6	6.60	99	1050079	116.01	ng	0.00
23) Nitrobenzene-d5	7.52	82	679548	73.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	249470	77.58	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1249790	73.59	ng	-0.01
78) Terphenyl-d14	13.07	244	959617	67.88	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	130762	7.357	ng	98
51) Acenaphthene	10.02	154	29732	2.033	ng	96
57) Fluorene	10.55	166	49888	2.840	ng	# 97
70) Phenanthrene	11.51	178	617126	29.896	ng	98
71) Anthracene	11.57	178	226664	9.520	ng	98
72) Carbazole	11.76	167	60235	2.560	ng	97
74) Fluoranthene	12.71	202	867798	35.784	ng	96
77) Pyrene	12.94	202	695073	31.487	ng	97
80) Benzo(a)anthracene	14.13	228	365652	21.056	ng	96
82) Chrysene	14.17	228	342355	18.278	ng	99
85) Indeno(1,2,3-cd)pyrene	17.26	276	203765	14.302	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	397514m	21.640	ng	
88) Benzo(k)fluoranthene	15.24	252	241852m	10.724	ng	
89) Benzo(a)pyrene	15.61	252	344766	18.181	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	42879	2.592	ng	95
91) Benzo(g,h,i)perylene	17.74	276	188202	11.759	ng	94

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

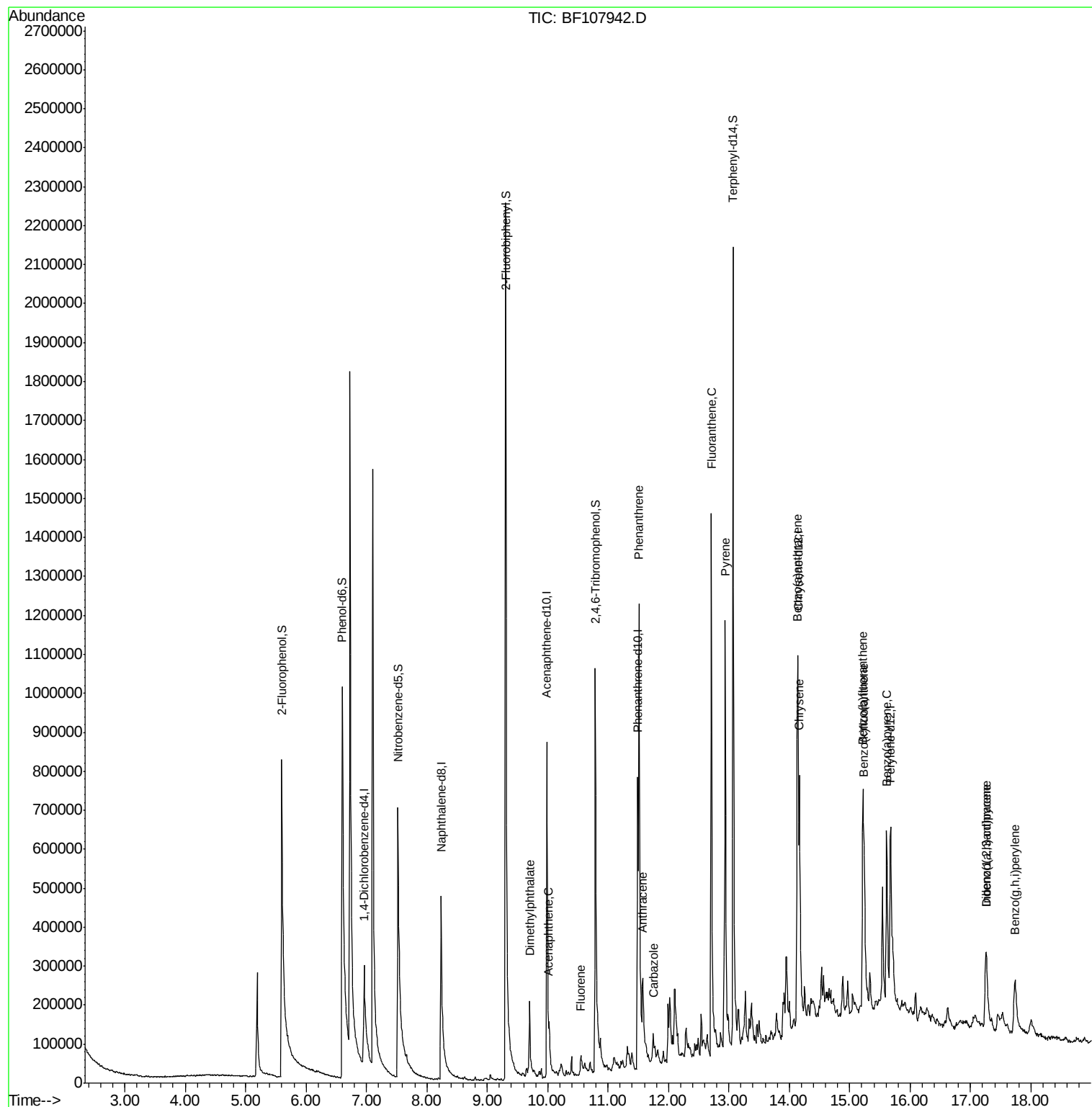
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
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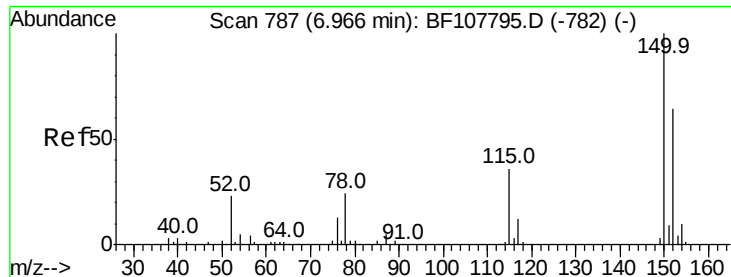
Instrument :
BNA_F
ClientSampled :
C-1

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

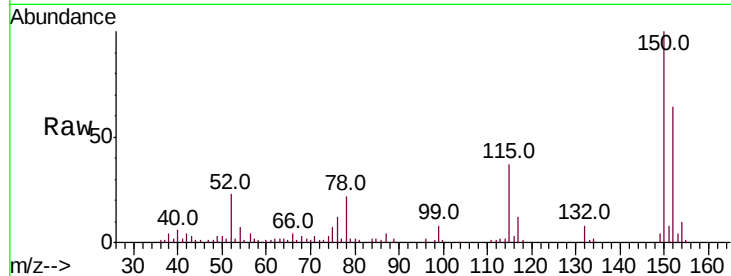
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Instrument :
BNA_F
ClientSampleId :
C-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	57.4	50.1	75.1

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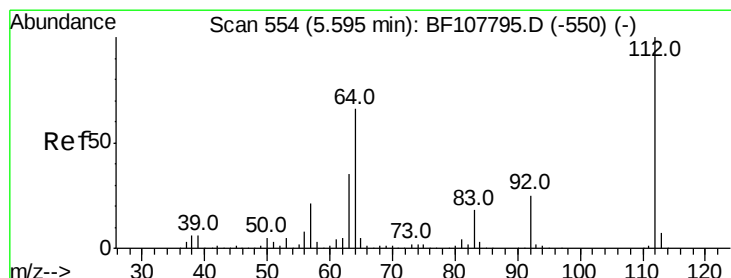
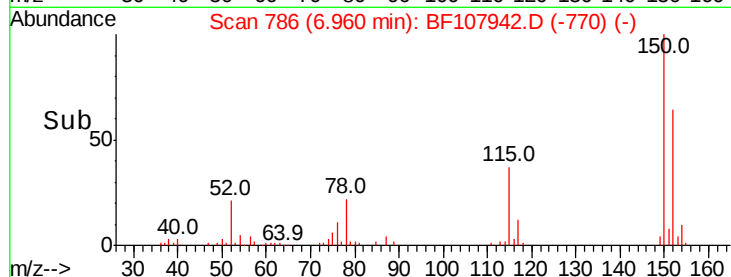
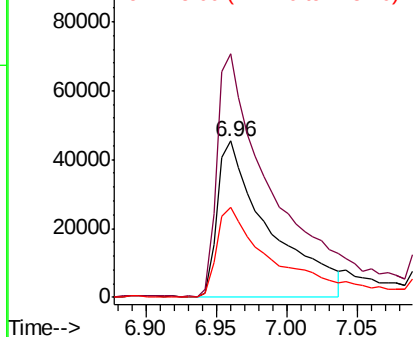


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

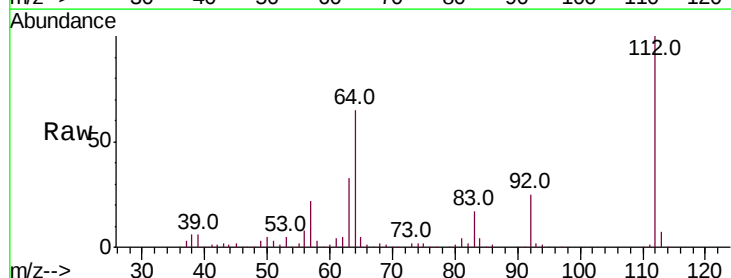
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.999 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	32.8	23.7	35.5

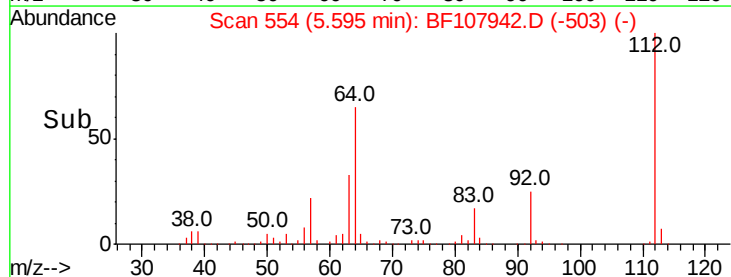
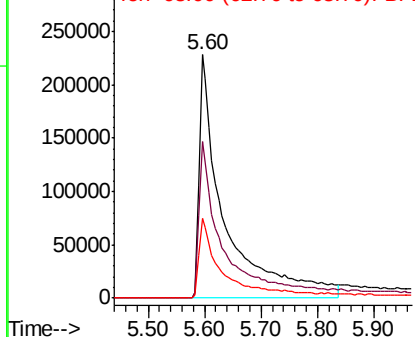


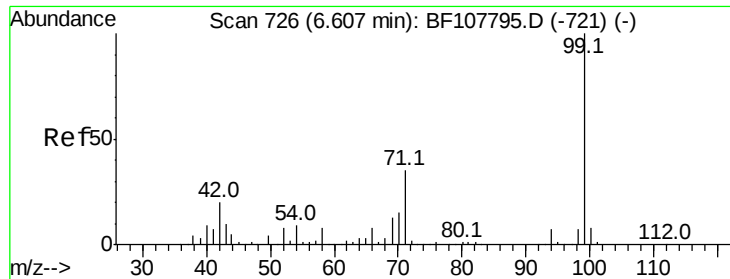
Abundance

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: 116.011 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107942.D

Acq: 3 Aug 2018 17:18

Instrument :

BNA_F

ClientSampleId :

C-1

Tot Ion: 99 Resp: 1050079

Ion Ratio Lower Upper

99 100

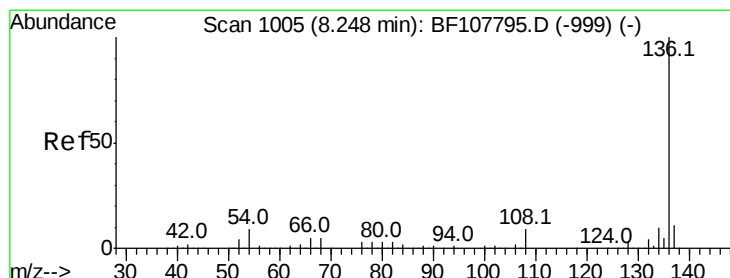
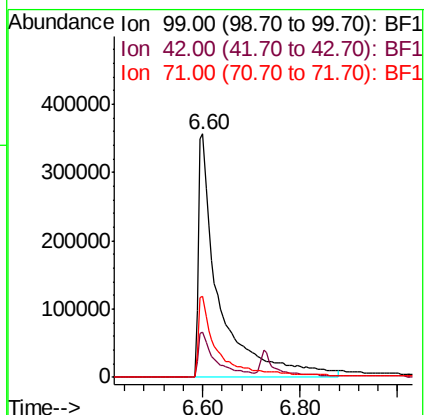
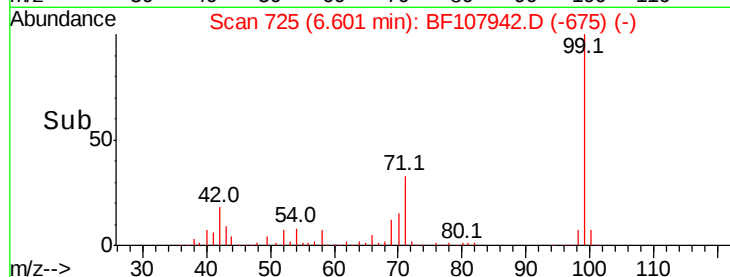
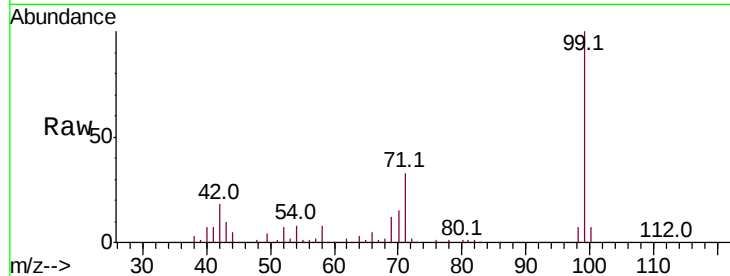
42 18.5 14.5 21.7

71 33.2 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107942.D

Acq: 3 Aug 2018 17:18

Tgt Ion: 136 Resp: 532614

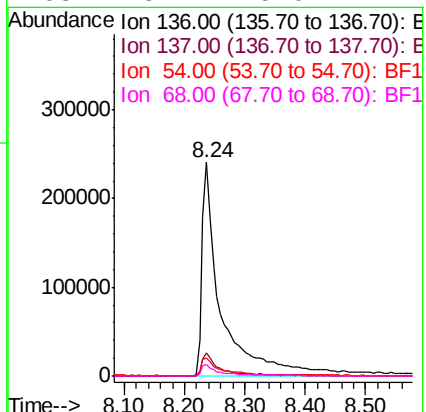
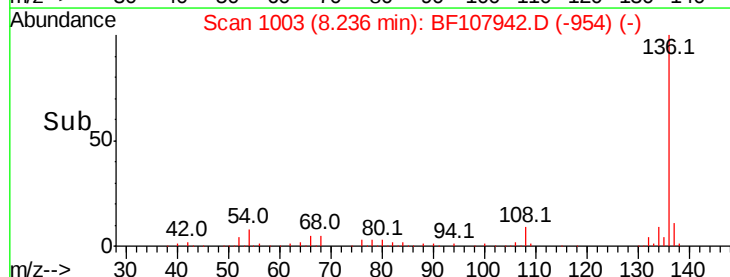
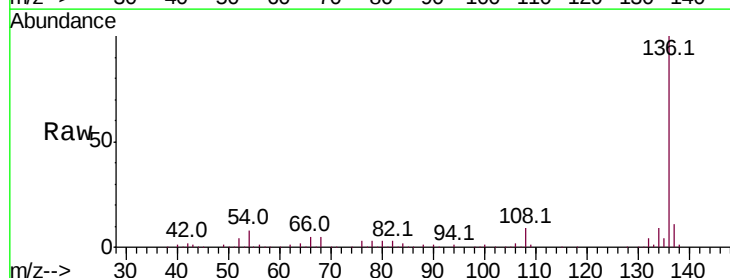
Ion Ratio Lower Upper

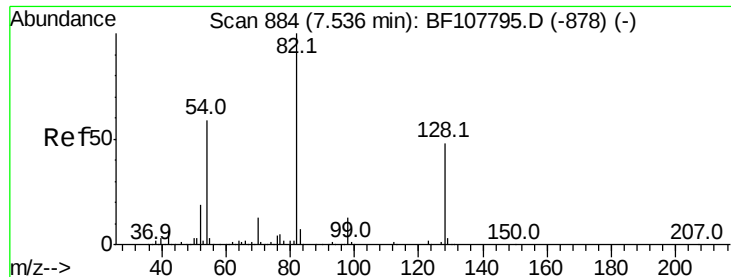
136 100

137 10.8 8.9 13.3

54 8.5 6.6 9.8

68 5.4 5.0 7.4





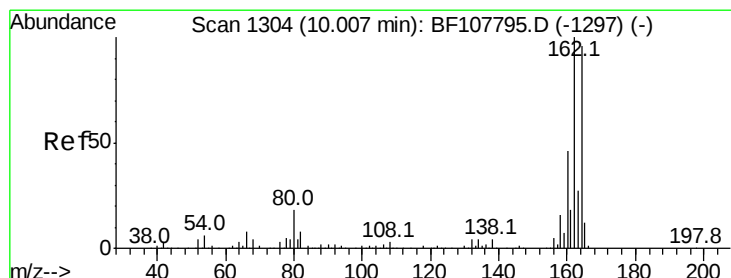
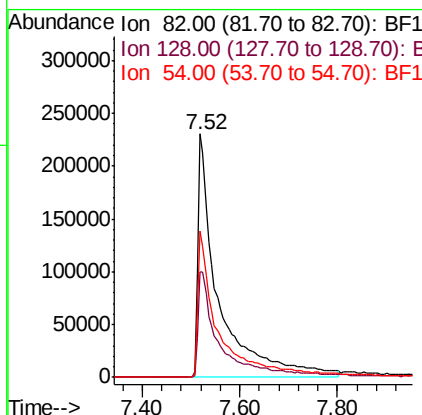
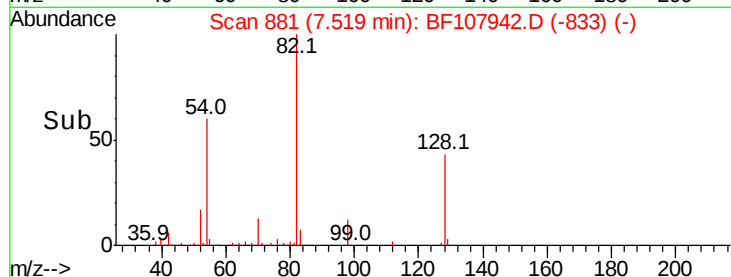
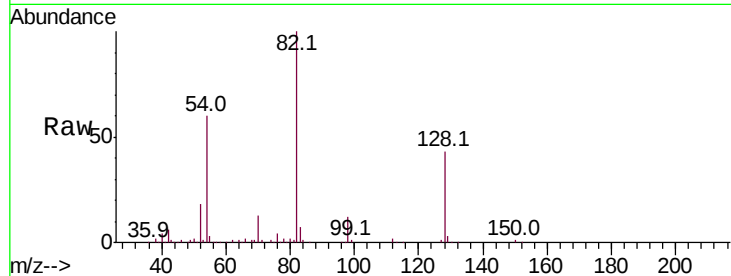
#23
Nitrobenzene-d5
Concen: 73.503 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Instrument :
BNA_F
ClientSampleId :
C-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	60.1	41.4	62.2

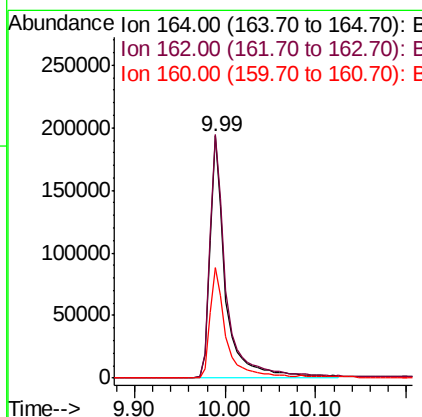
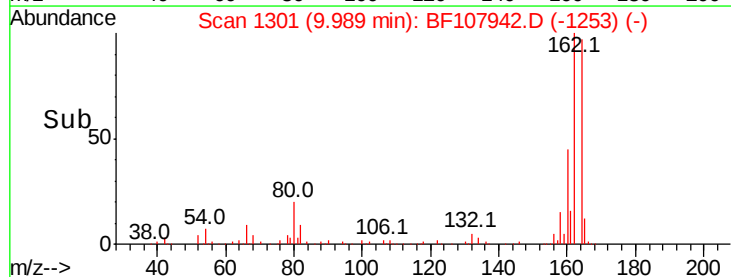
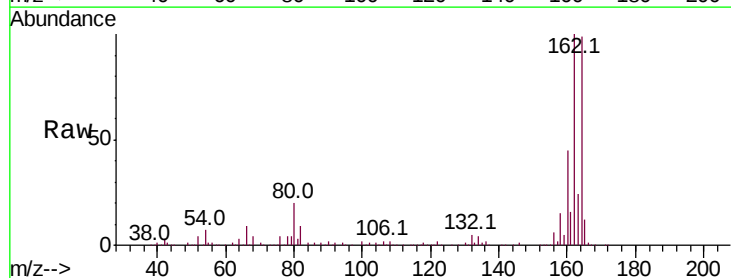
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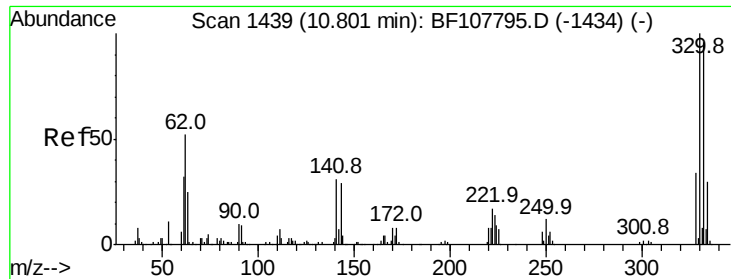
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.7	86.1	129.1
160	45.7	38.3	57.5





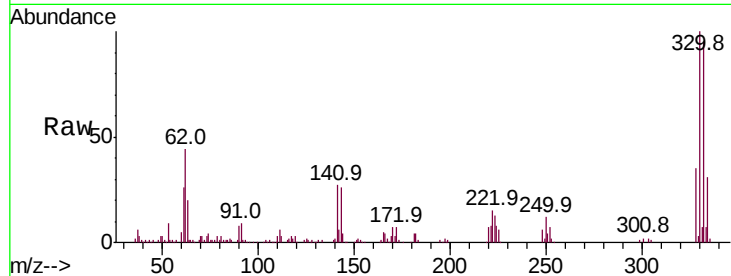
#41
 2,4,6-Tribromophenol
 Concen: 77.581 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107942.D
 Acq: 3 Aug 2018 17:18

Instrument :
 BNA_F
 ClientSampled :
 C-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	249470		
332	96.3	77.0	115.6	
141	29.1	29.9	44.9#	

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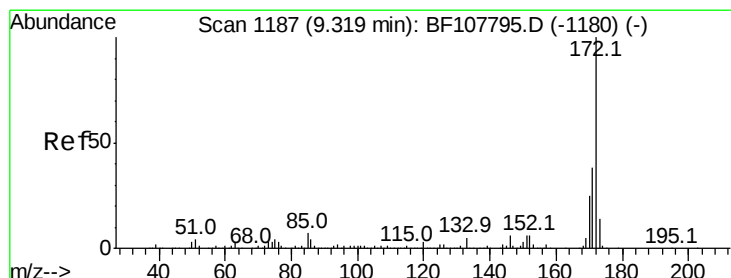
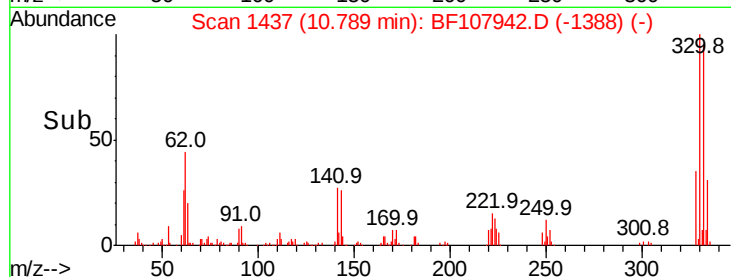
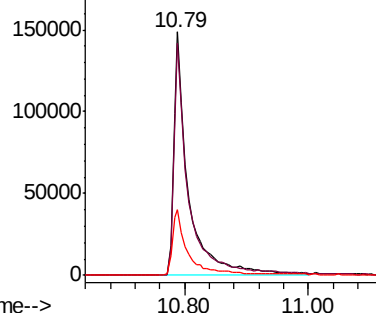


Abundance

Ion 329.80 (329.50 to 330.50): E

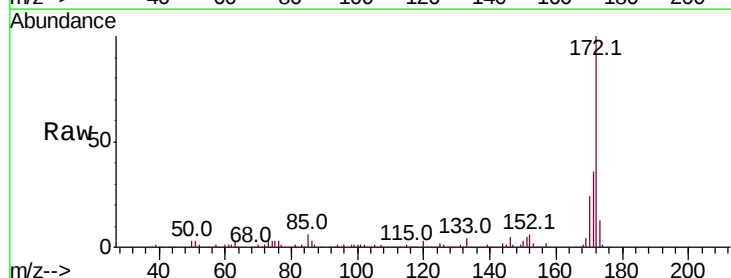
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.592 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107942.D
 Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1249790		
171	36.2	29.7	44.5	
170	24.4	19.6	29.4	

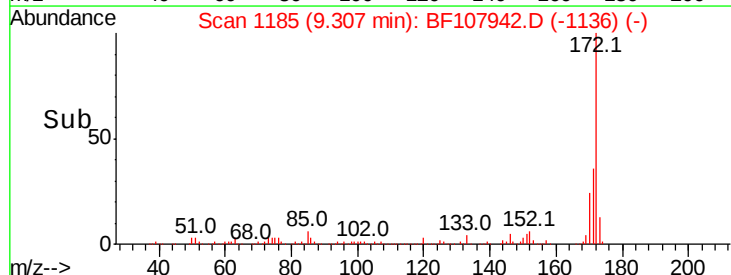
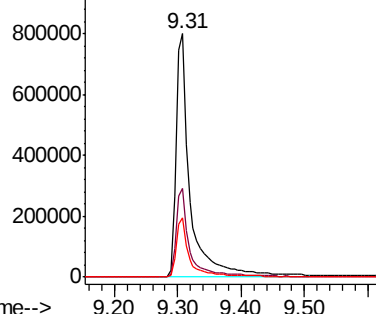


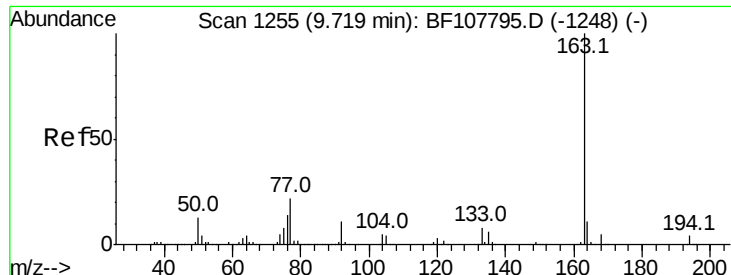
Abundance

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





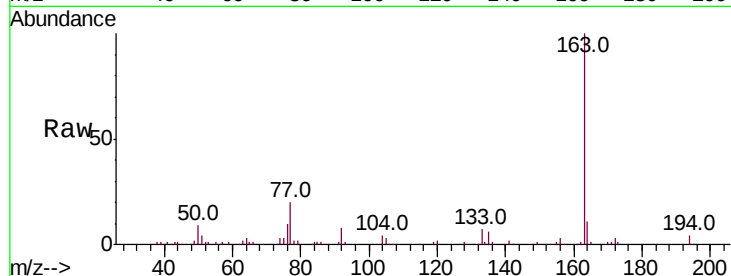
#49
Dimethylphthalate
Concen: 7.357 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Instrument :
BNA_F
ClientSampled :
C-1

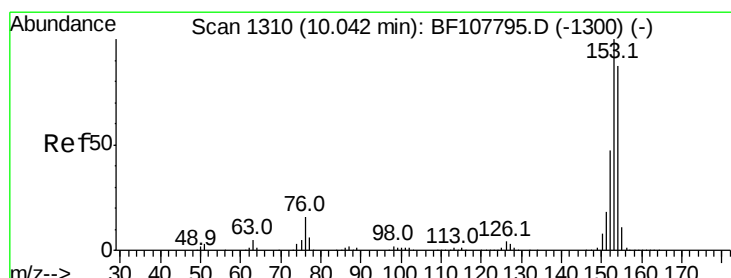
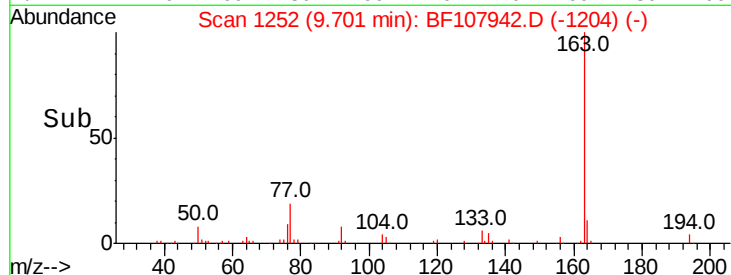
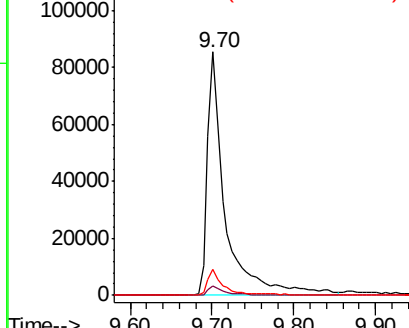
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1	
164	10.8	8.2	12.2	

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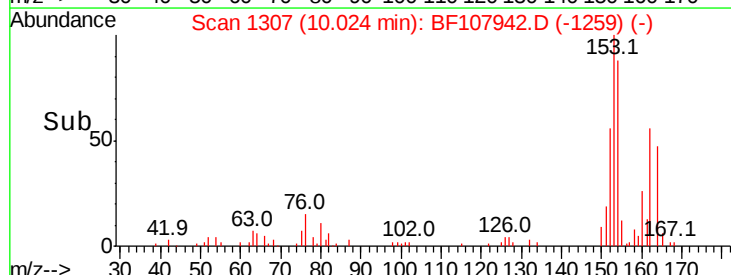
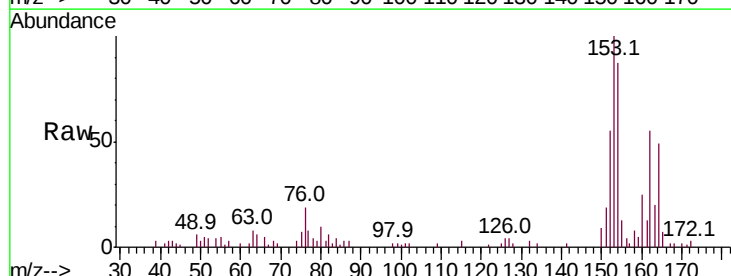
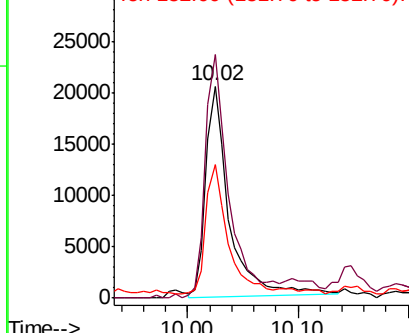
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

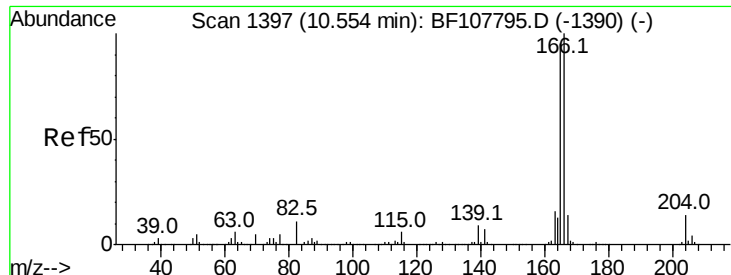


#51
Acenaphthene
Concen: 2.033 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.0	91.2	136.8	
152	63.0	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





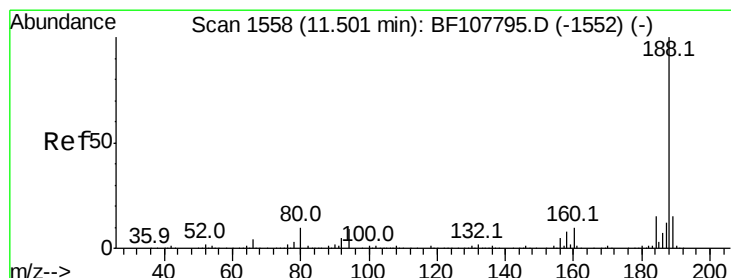
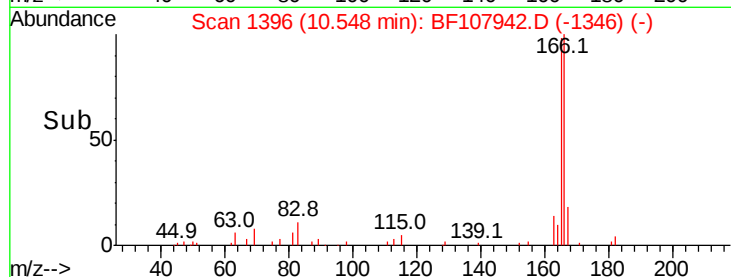
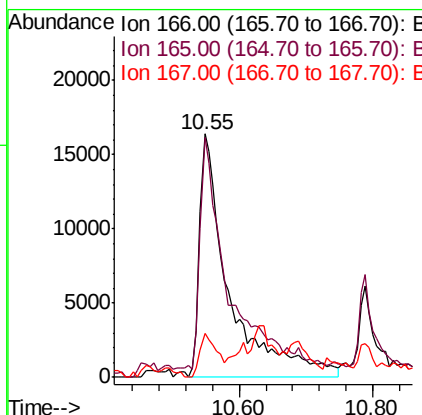
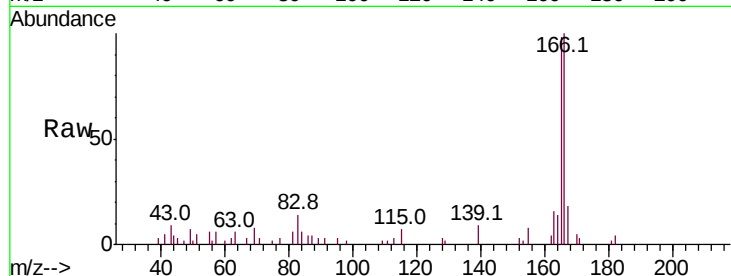
#57
Fluorene
 Concen: 2.840 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107942.D
 Acq: 3 Aug 2018 17:18

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	18.3	10.6	16.0

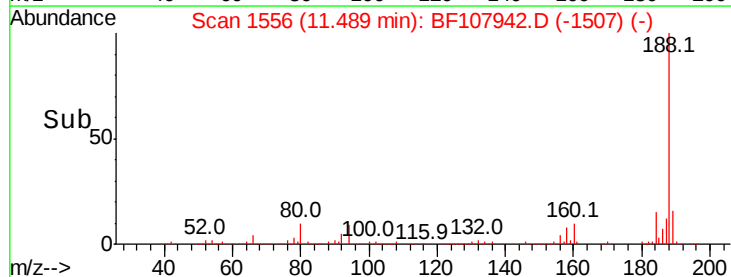
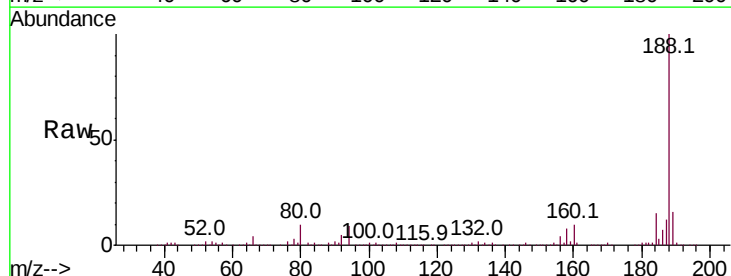
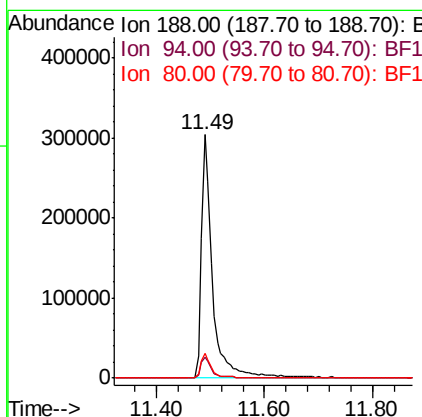
Manual Integrations
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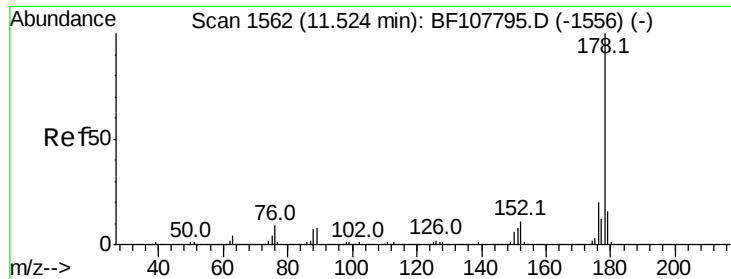
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107942.D
 Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	10.1	9.2	13.8





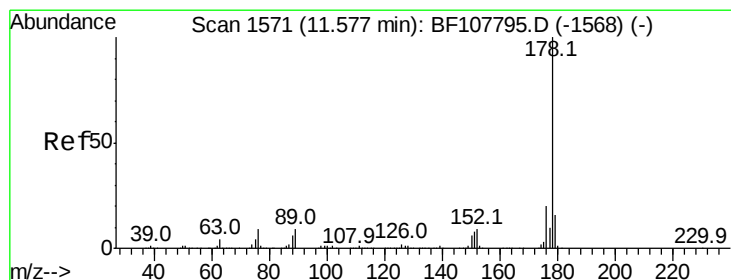
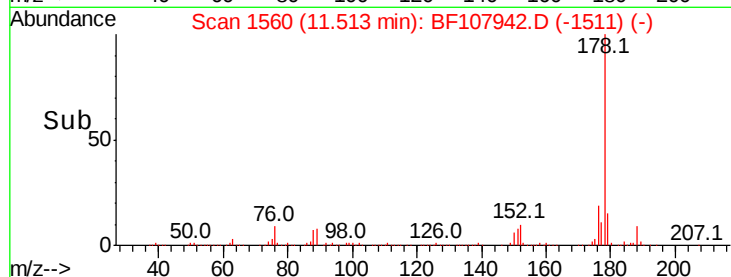
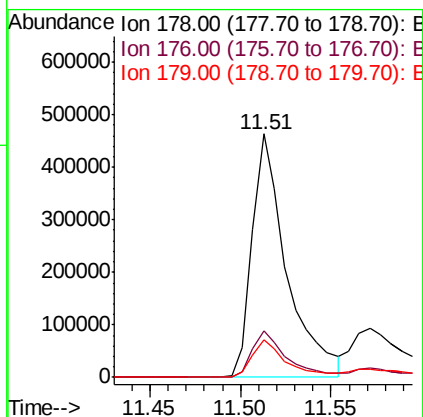
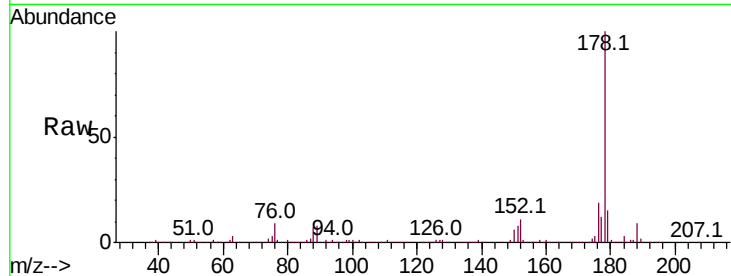
#70
Phenanthrene
Concen: 29.896 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Instrument :
BNA_F
ClientSampleId :
C-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	13.0	19.6

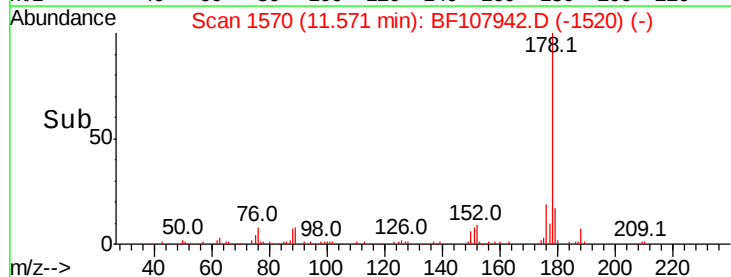
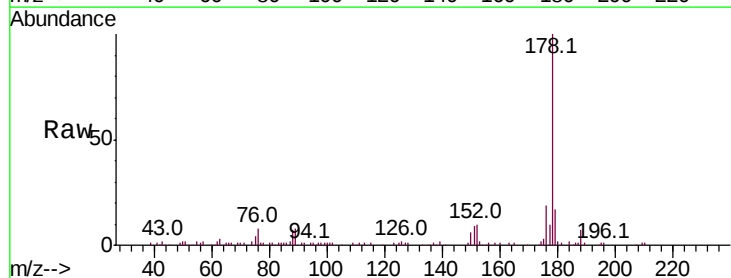
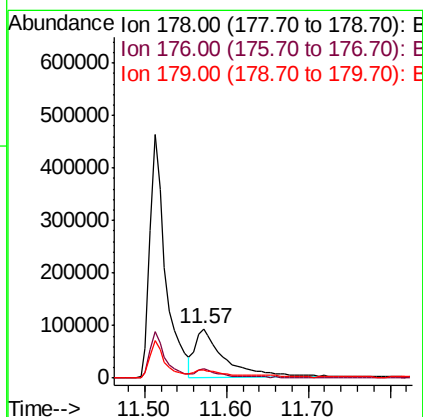
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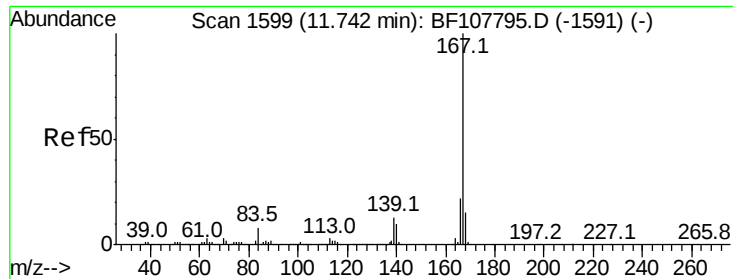
Sohil
8/6/2018 5:05:30 PM



#71
Anthracene
Concen: 9.520 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	17.1	12.6	19.0





#72

Carbazole

Concen: 2.560 ng

RT: 11.76 min Scan# 1602

Delta R.T. 0.02 min

Lab File: BF107942.D

Acq: 3 Aug 2018 17:18

Instrument :

BNA_F

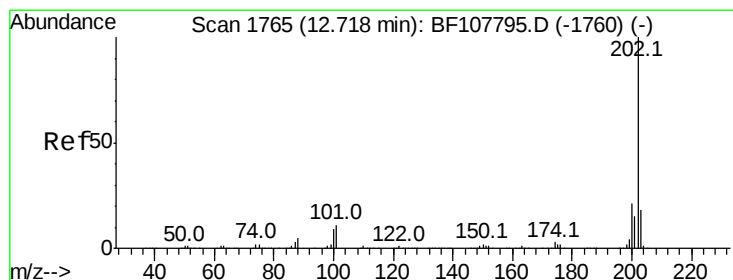
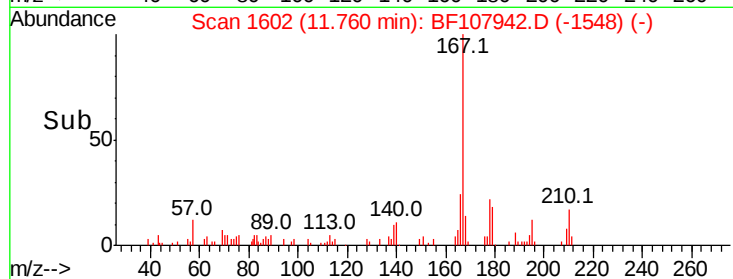
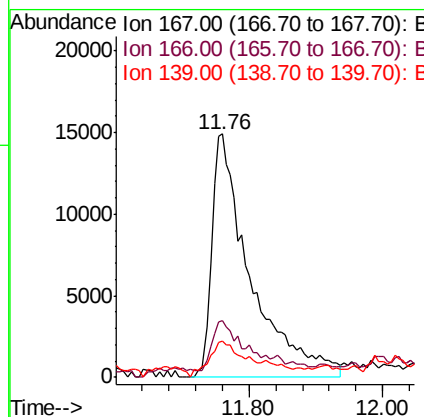
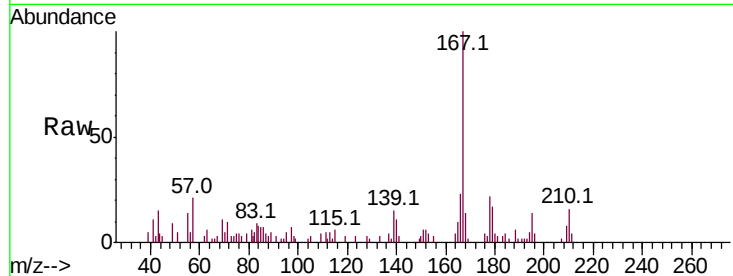
ClientSampleId :

C-1

Tot Ion:	167	Resp:	60235
Ion Ratio	Lower	Upper	
167	100		
166	23.2	17.6	26.4
139	14.7	10.9	16.3

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#74

Fluoranthene

Concen: 35.784 ng

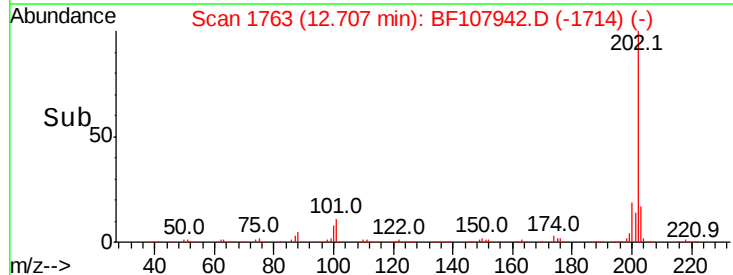
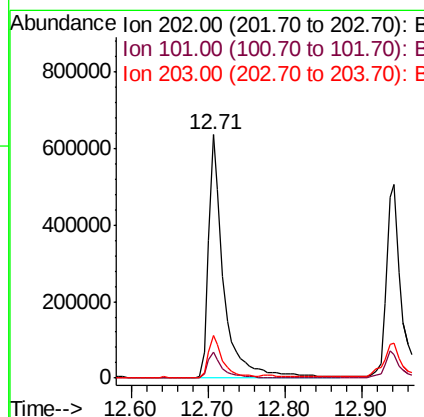
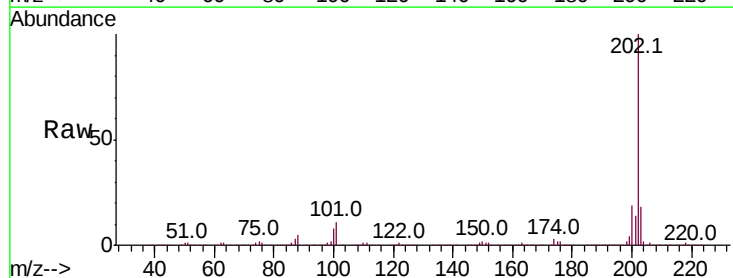
RT: 12.71 min Scan# 1763

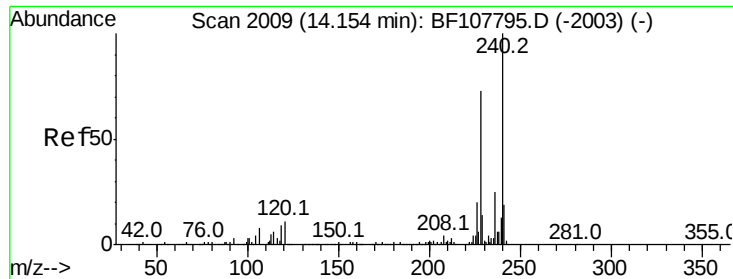
Delta R.T. -0.01 min

Lab File: BF107942.D

Acq: 3 Aug 2018 17:18

Tgt Ion:	202	Resp:	867798
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107942.D

Acq: 3 Aug 2018 17:18

Instrument :

BNA_F

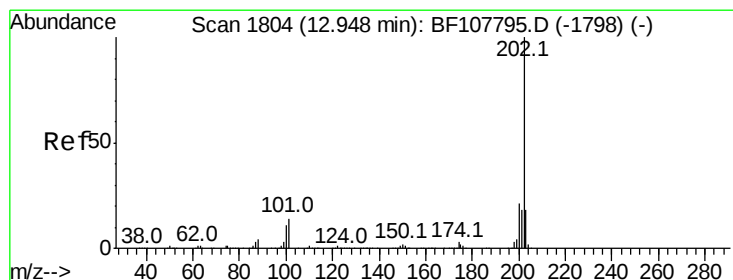
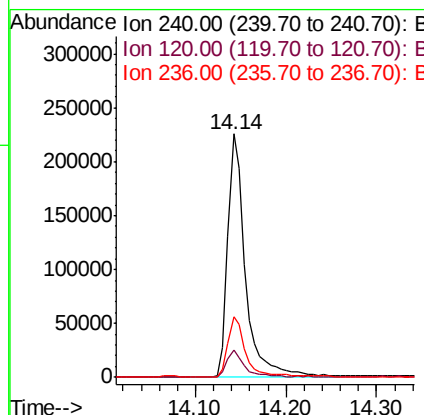
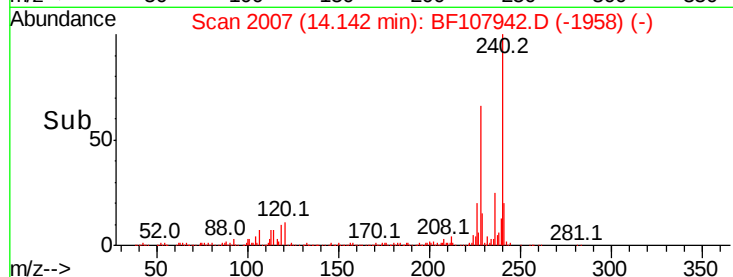
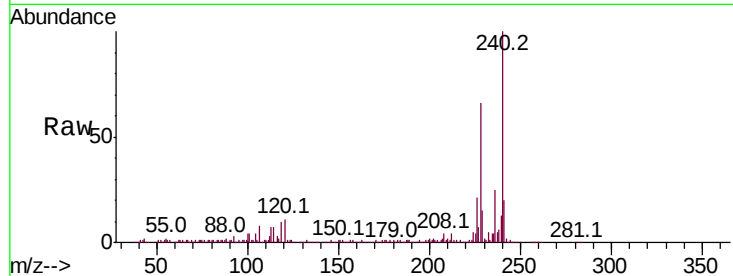
ClientSampled :

C-1

Tot Ion:	240	Resp:	306564
Ion Ratio	Lower	Upper	
240	100		
120	11.2	9.5	14.3
236	24.9	20.7	31.1

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#77

Pyrene

Concen: 31.487 ng

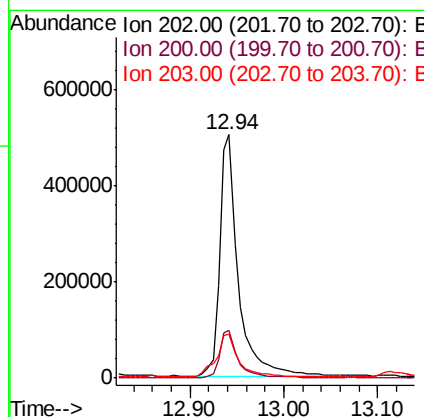
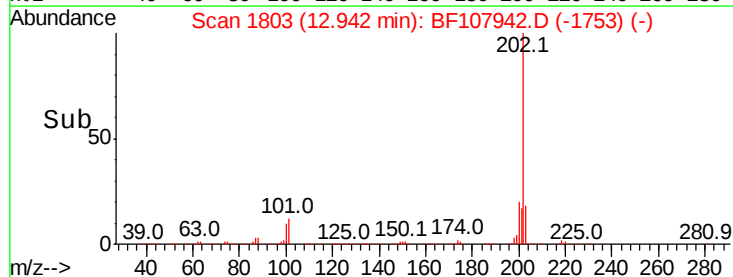
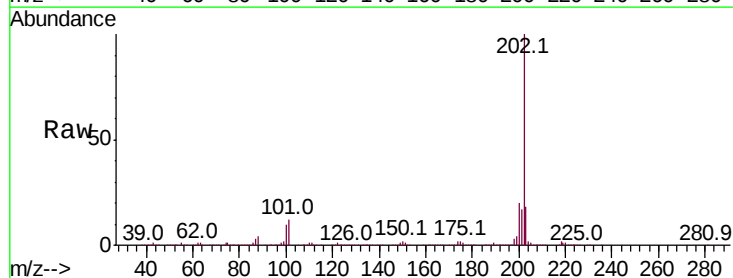
RT: 12.94 min Scan# 1803

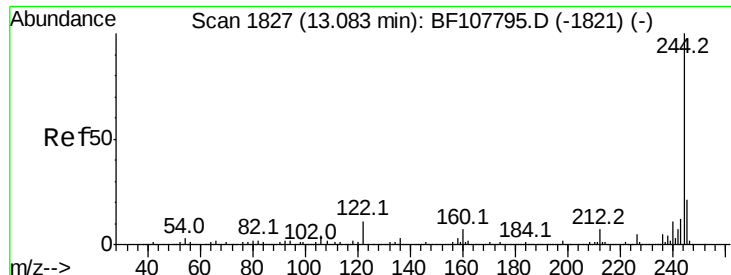
Delta R.T. -0.01 min

Lab File: BF107942.D

Acq: 3 Aug 2018 17:18

Tgt Ion:	202	Resp:	695073
Ion Ratio	Lower	Upper	
202	100		
200	19.6	17.4	26.2
203	18.0	14.3	21.5





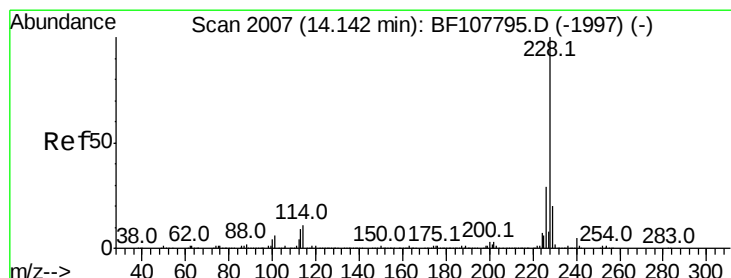
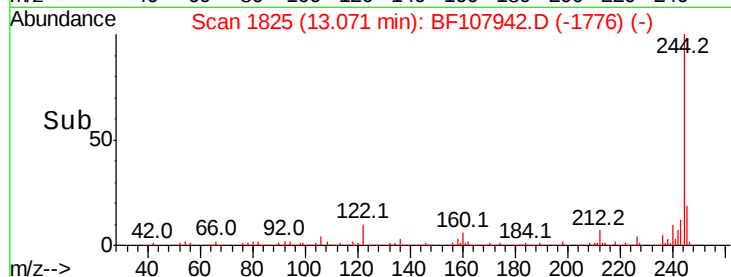
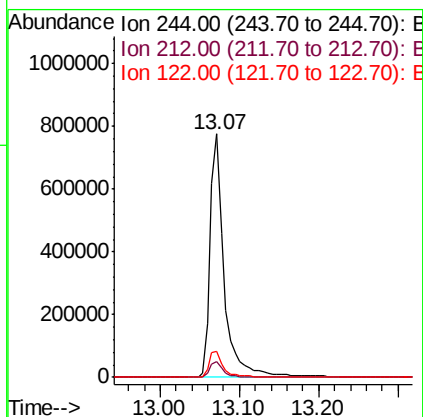
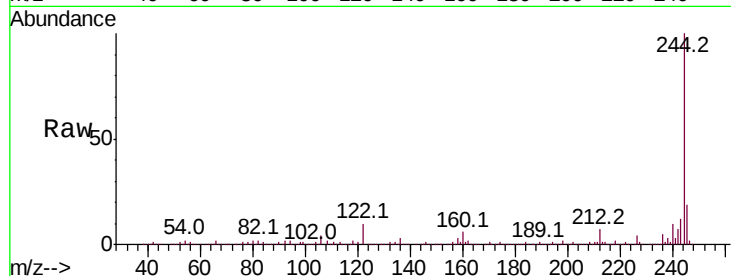
#78
 Terphenyl-d14
 Concen: 67.877 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107942.D
 Acq: 3 Aug 2018 17:18

Instrument :
 BNA_F
 ClientSampleID :
 C-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.5	11.0	16.4

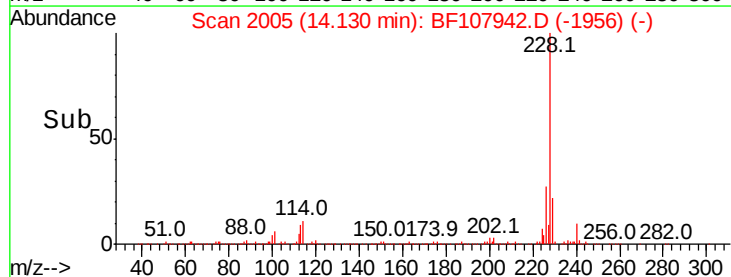
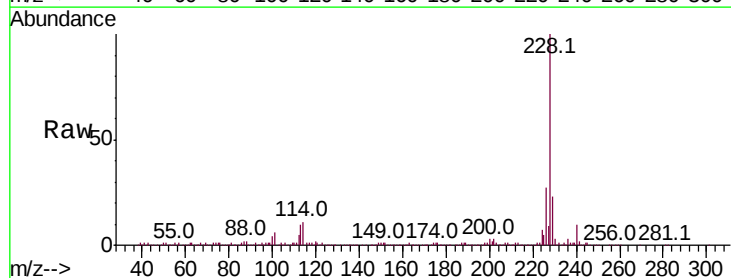
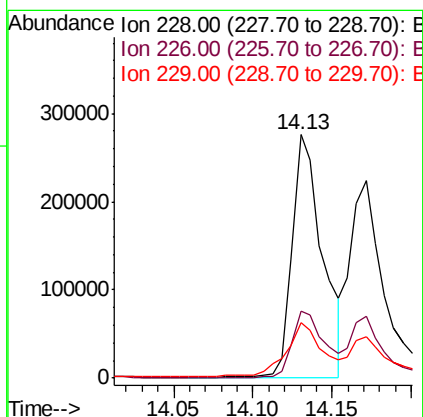
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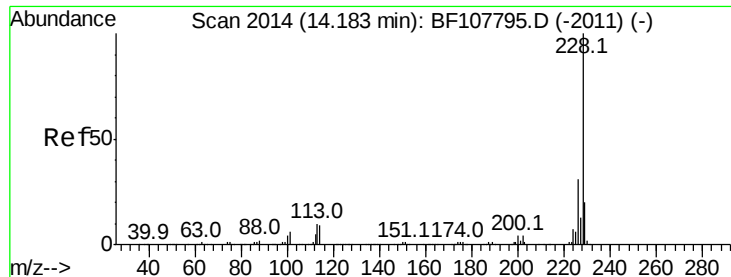
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#80
 Benzo(a)anthracene
 Concen: 21.056 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF107942.D
 Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	22.8	15.8	23.6





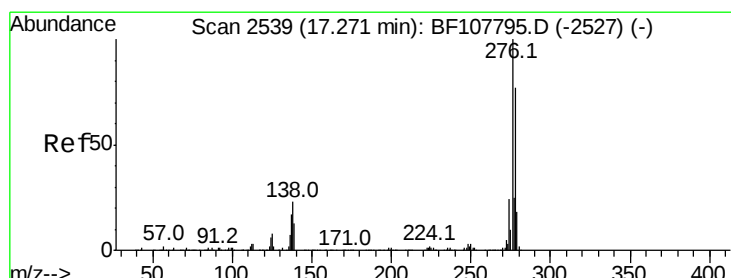
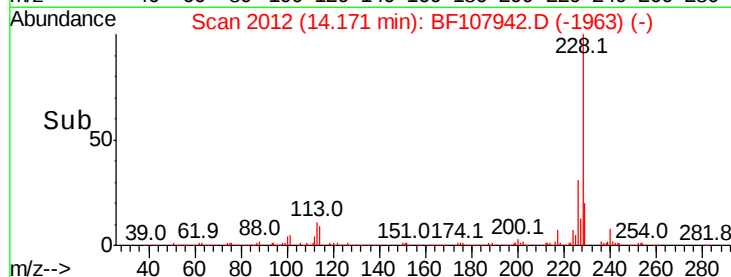
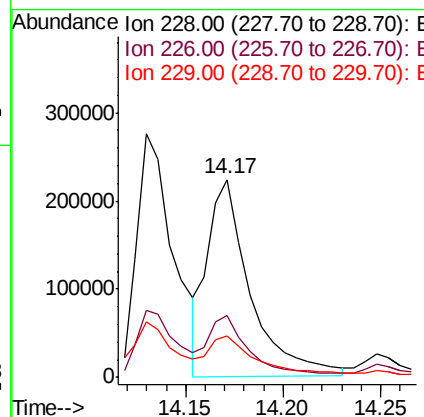
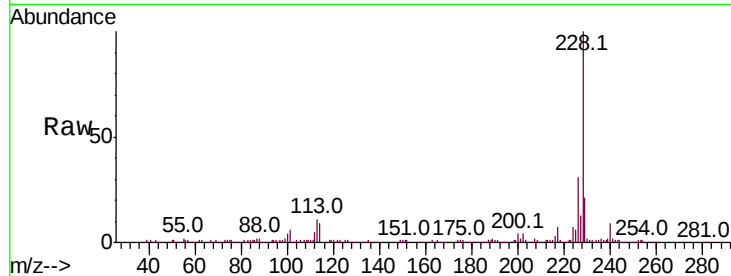
#82
Chrysene
Concen: 18.278 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.2	16.2	24.4

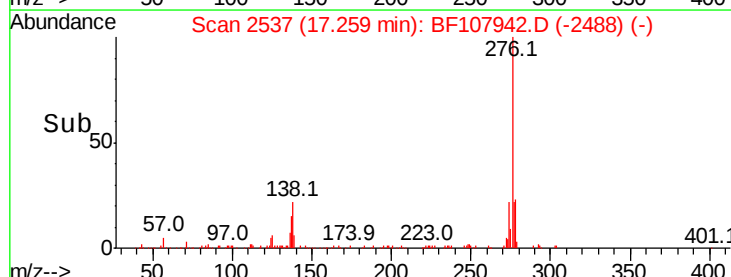
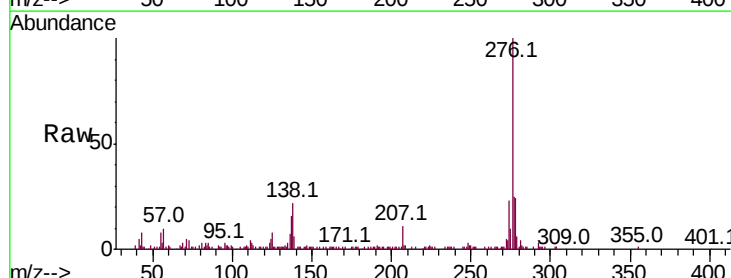
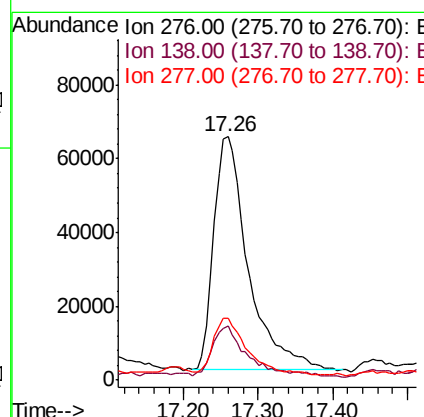
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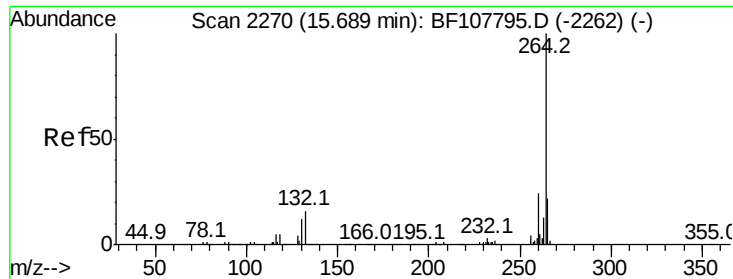
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#85
Indeno(1,2,3-cd)pyrene
Concen: 14.302 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	23.6	20.1	30.1





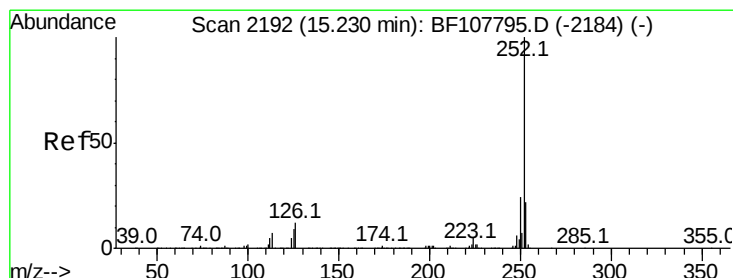
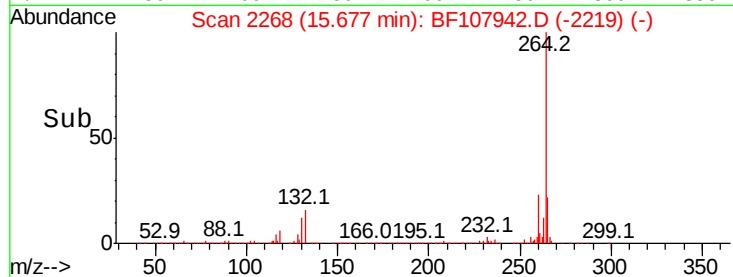
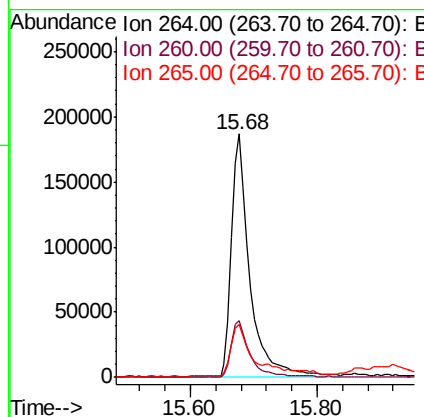
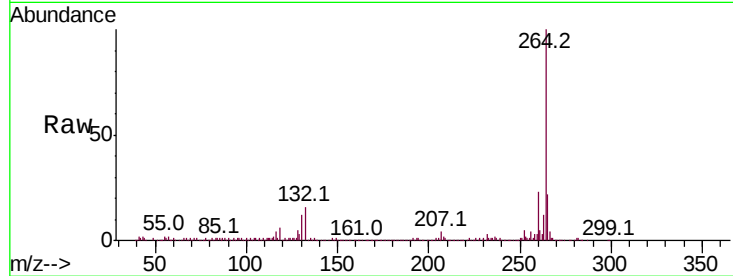
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion:	264	Resp:	372447
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	21.9	17.5	26.3

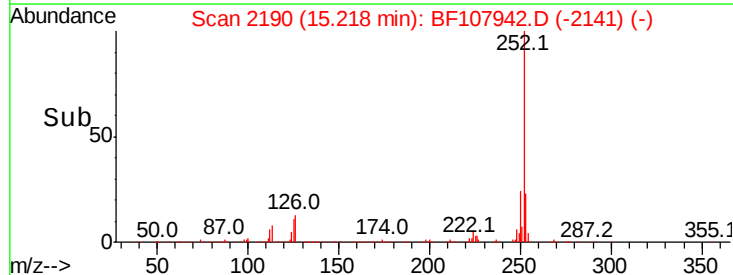
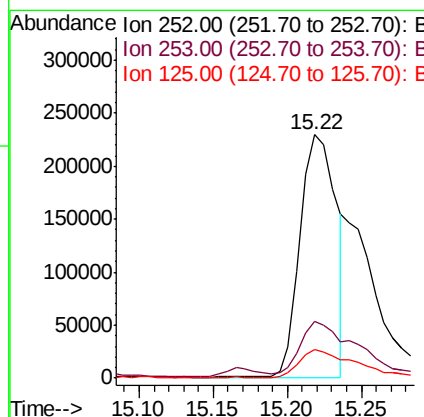
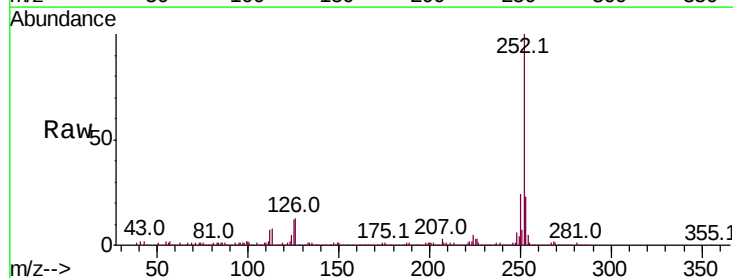
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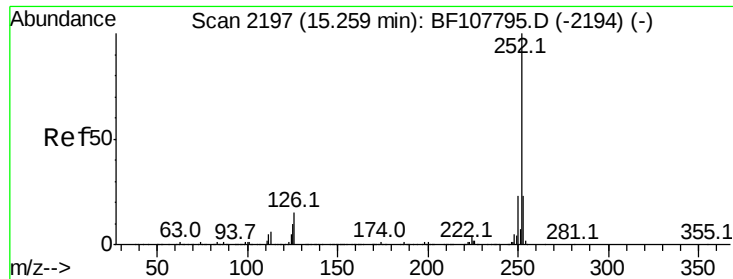
Sohil
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#87
Benzo(b)fluoranthene
Concen: 21.640 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Tgt Ion:	252	Resp:	397514
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	11.6	9.0	13.6





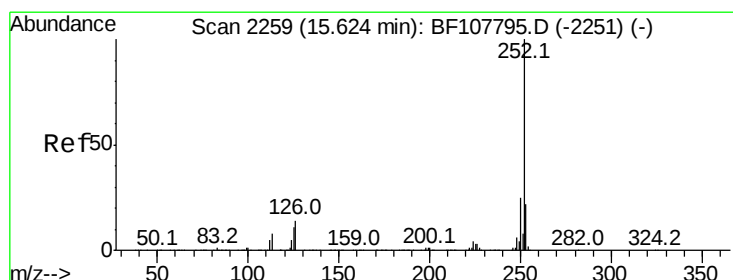
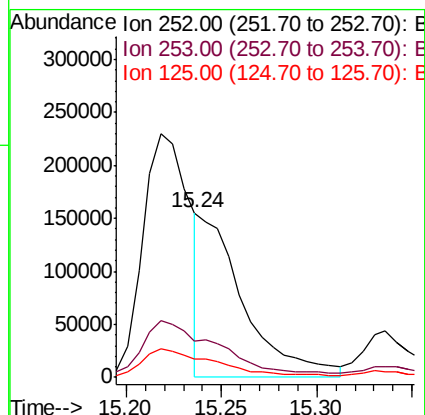
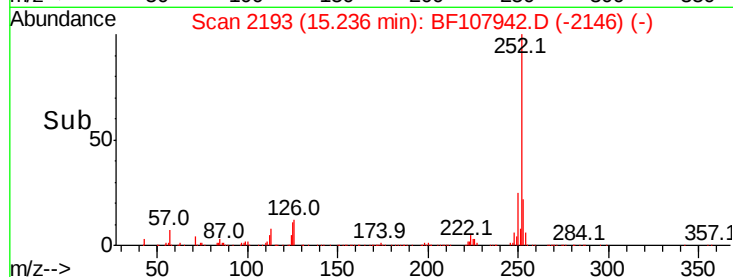
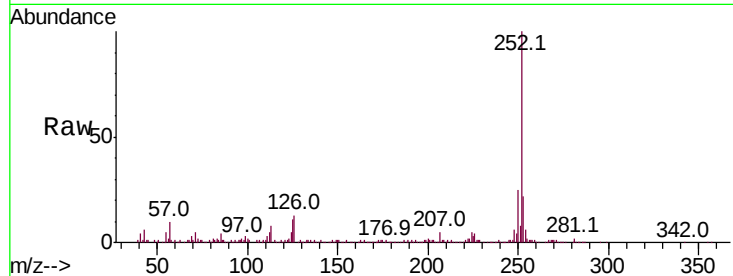
#88
Benzo(k)fluoranthene
Concen: 10.724 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Instrument :
BNA_F
ClientSampleId :
C-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	11.4	10.2	15.2

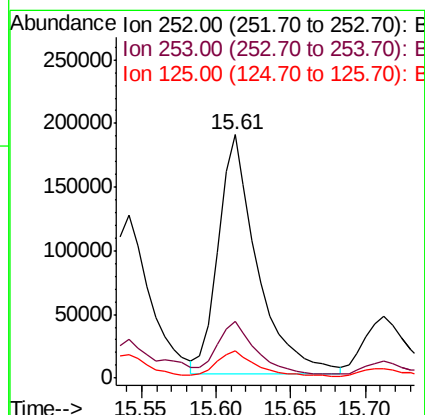
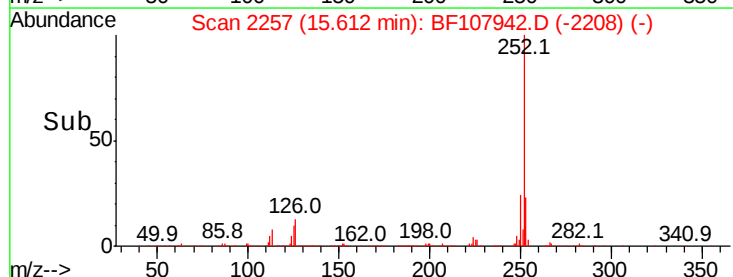
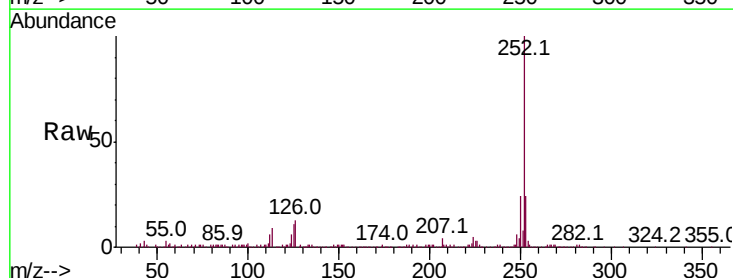
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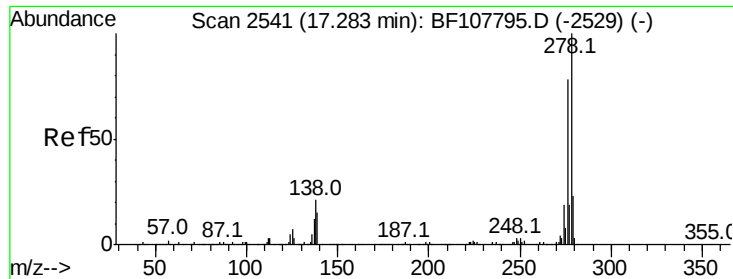
Sohil
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#89
Benzo(a)pyrene
Concen: 18.181 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	11.4	9.8	14.6





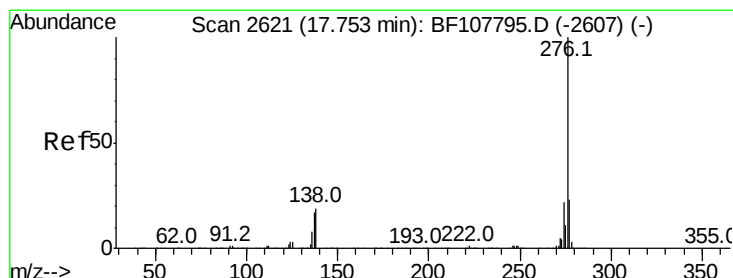
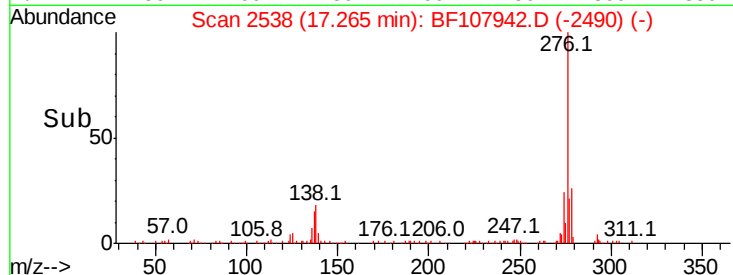
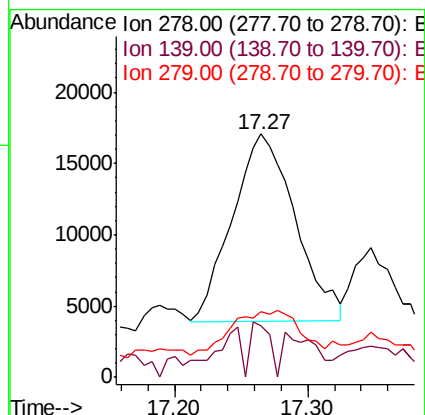
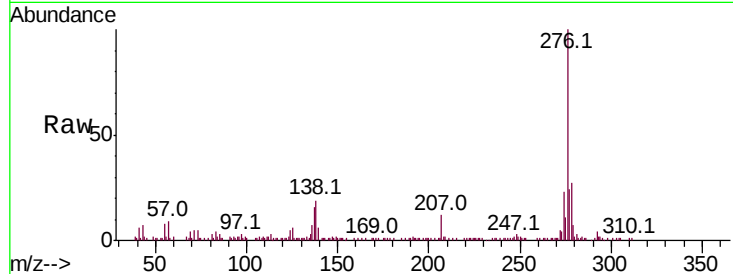
#90
Dibenzo(a,h)anthracene
Concen: 2.592 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion:278	Resp:	42879
Ion Ratio	Lower	Upper
278	100	
139	21.1	15.9 23.9
279	26.8	19.0 28.4

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#91
Benzo(g,h,i)perylene
Concen: 11.759 ng
RT: 17.74 min Scan# 2618
Delta R.T. -0.02 min
Lab File: BF107942.D
Acq: 3 Aug 2018 17:18

Tgt Ion:276	Resp:	188202
Ion Ratio	Lower	Upper
276	100	
277	24.3	17.9 26.9
138	23.6	21.8 32.8

