

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100853.D
 Acq On : 23 Nov 2017 4:47
 Operator : SJ/JU
 Sample : I6548-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-2-E(7-8)

Manual Integrations
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Sohil
 11/27/2017 3:21:03 PM

Quant Time: Nov 27 04:44:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	78682	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	302495	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	136260	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	226226	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	149797	20.00	ng	-0.02
86) Perylene-d12	15.50	264	171088	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	372603	75.91	ng	-0.01
7) Phenol-d6	6.49	99	462493	76.41	ng	-0.02
23) Nitrobenzene-d5	7.42	82	278507	60.87	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	110729	79.75	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	540316	60.38	ng	-0.02
78) Terphenyl-d14	12.97	244	362489	55.60	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.50	94	18177	2.861	ng	96
31) Naphthalene	8.16	128	75398	5.175	ng	98
37) 2-Methylnaphthalene	8.85	142	28152	2.910	ng	97
49) Dimethylphthalate	9.61	163	55961	5.379	ng	100
51) Acenaphthene	9.93	154	82406	9.563	ng	99
54) Dibenzofuran	10.10	168	88836	7.355	ng	98
57) Fluorene	10.45	166	85650	9.681	ng	99
70) Phenanthrene	11.42	178	735429	61.743	ng	99
71) Anthracene	11.46	178	220999	18.288	ng	98
72) Carbazole	11.62	167	83121	7.455	ng	97
74) Fluoranthene	12.60	202	580501	45.986	ng	95
77) Pyrene	12.83	202	491581	46.036	ng	99
80) Benzo(a)anthracene	14.02	228	260874	28.919	ng	98
82) Chrysene	14.05	228	208087	23.821	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	90975	12.876	ng	# 90
87) Benzo(b)fluoranthene	15.07	252	269489m	26.587	ng	
88) Benzo(k)fluoranthene	15.09	252	84621m	8.836	ng	
89) Benzo(a)pyrene	15.44	252	203514	22.648	ng	98
90) Dibenzo(a,h)anthracene	16.97	278	26530m	3.610	ng	
91) Benzo(a,h,i)perylene	17.42	276	79486	11.049	ng	# 91

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

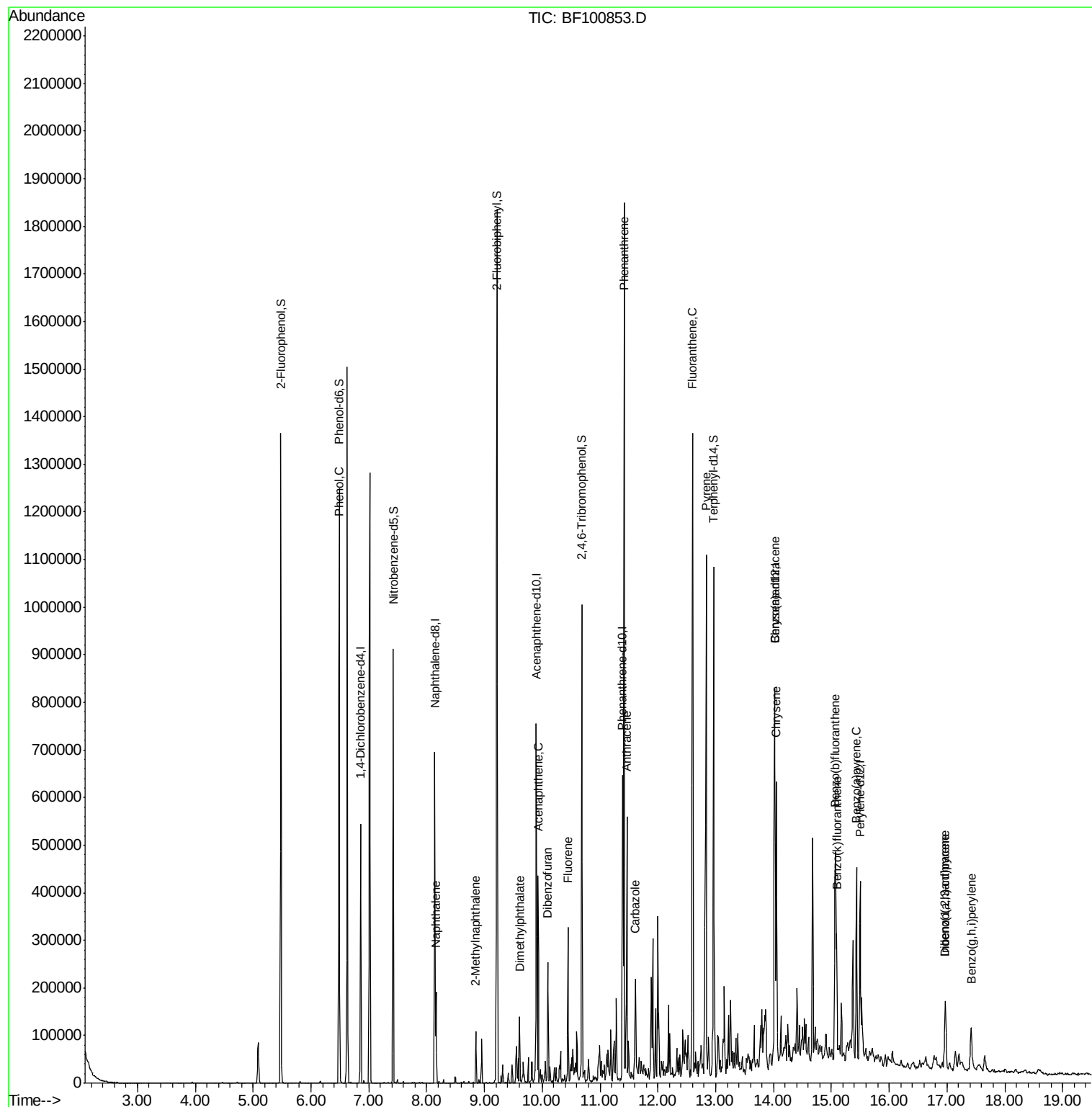
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
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ALS Vial : 26 Sample Multiplier: 1

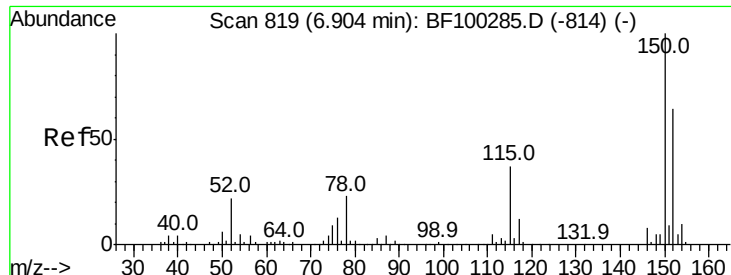
Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

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

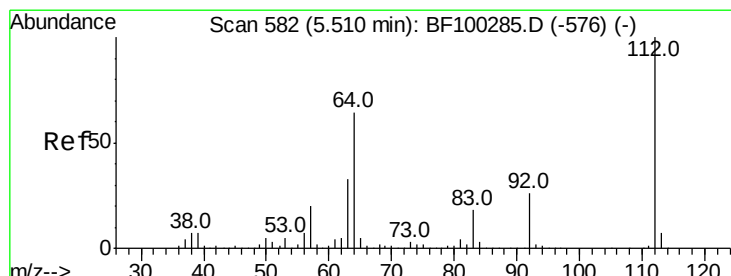
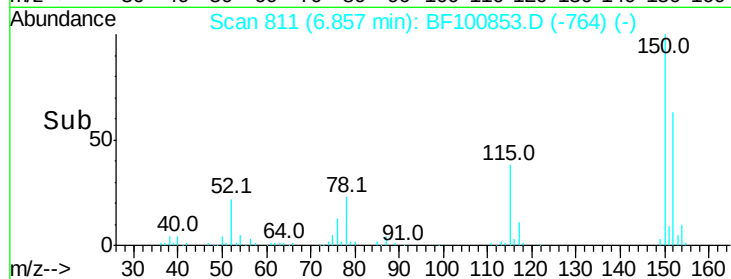
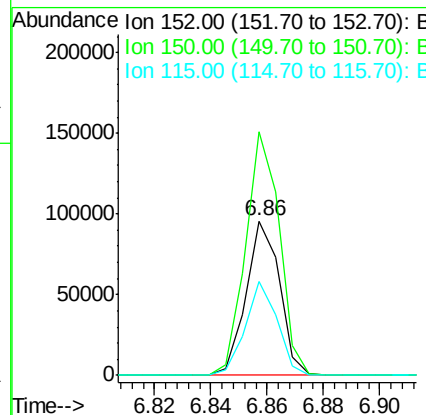
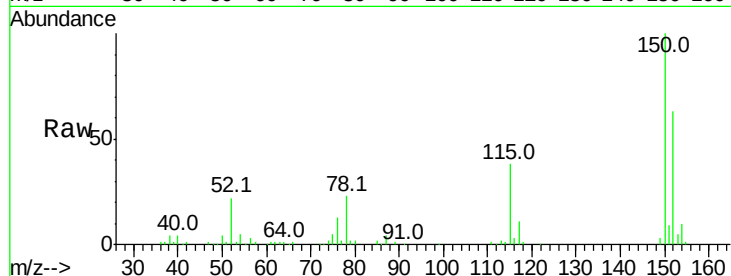
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	60.7	50.1	75.1

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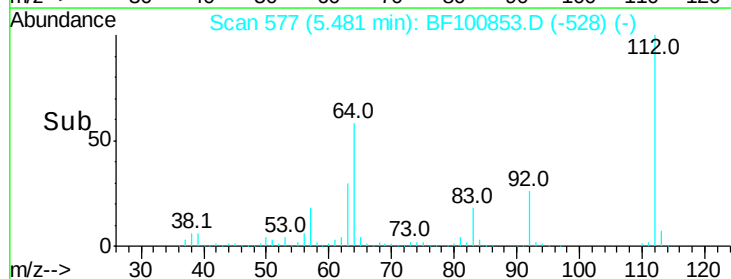
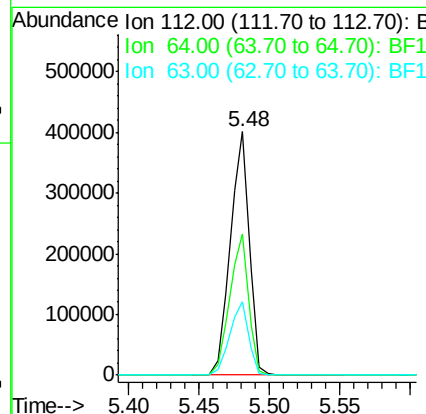
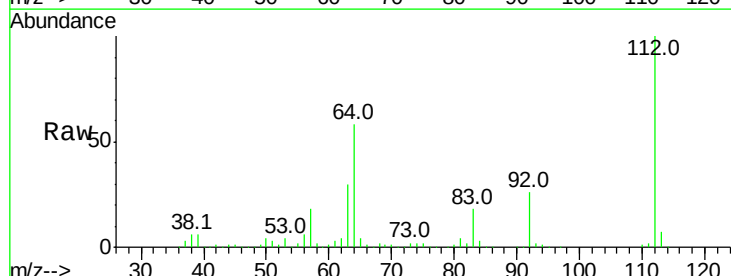
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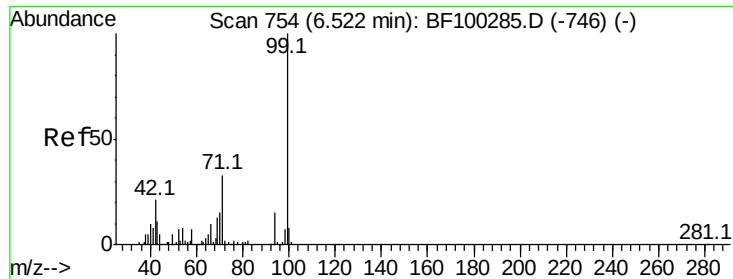


#5

2-Fluorophenol
Concen: 75.910 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 76.410 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Instrument :

BNA_F

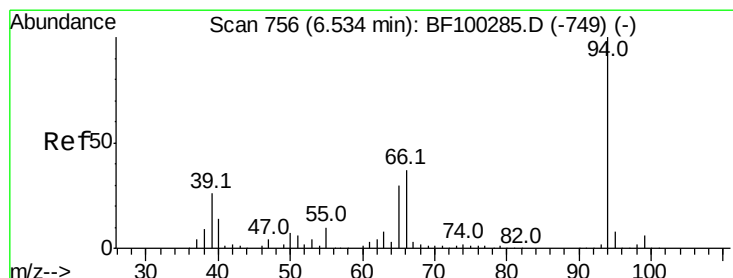
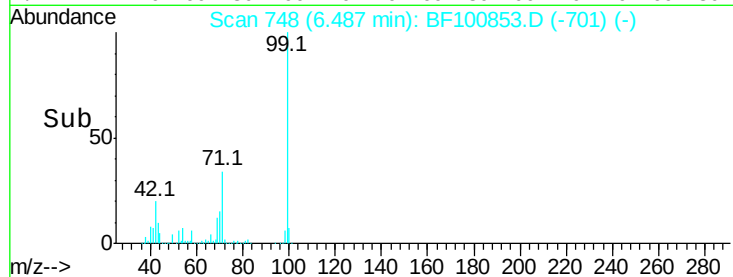
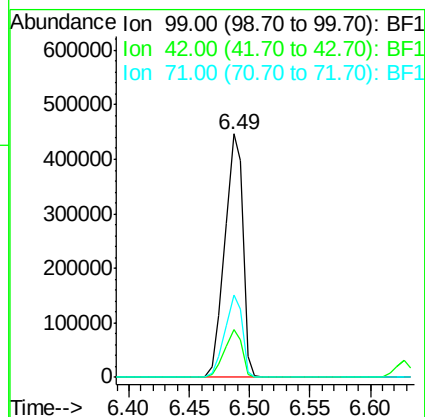
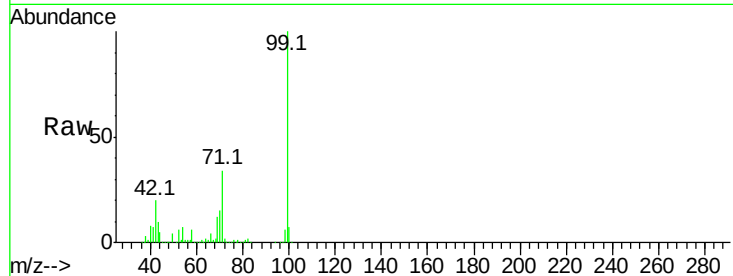
ClientSampleId :

SAU-2-E(7-8)

Tot Ion:	99	Resp:	462493
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.5	21.7
71	34.0	25.4	38.0

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#10

Phenol

Concen: 2.861 ng

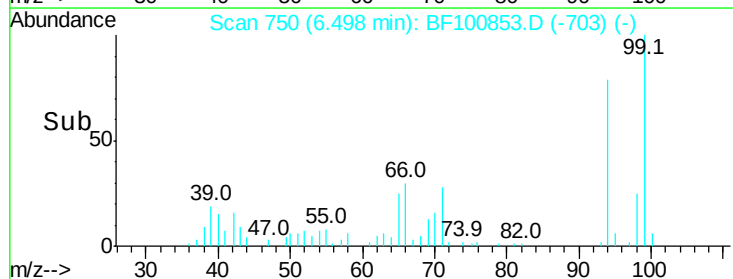
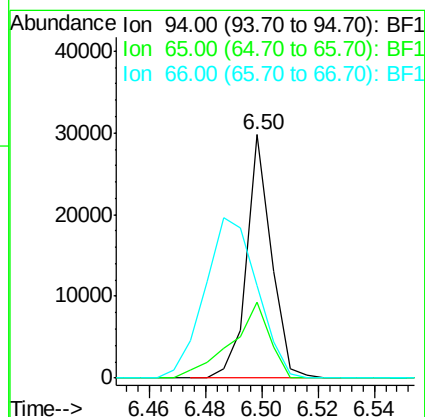
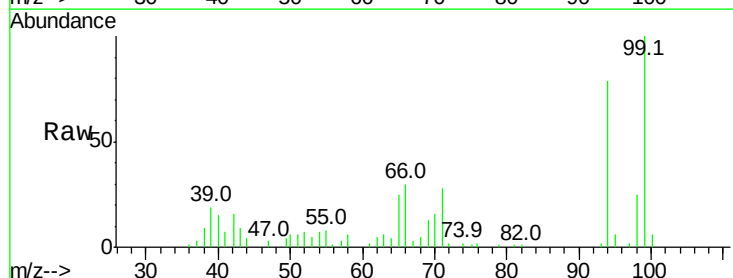
RT: 6.50 min Scan# 750

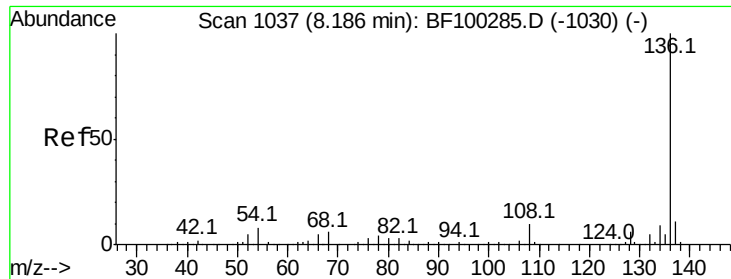
Delta R.T. -0.02 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Tgt Ion:	94	Resp:	18177
Ion Ratio	Lower	Upper	
94	100		
65	31.3	7.9	47.9
66	37.9	16.2	56.2





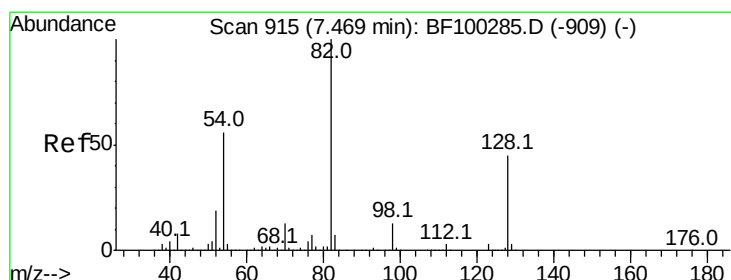
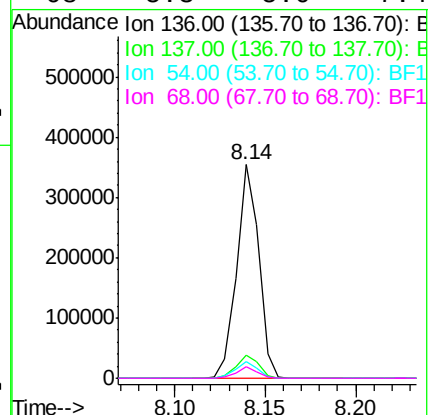
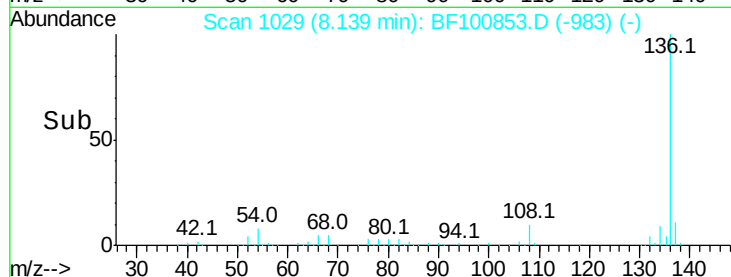
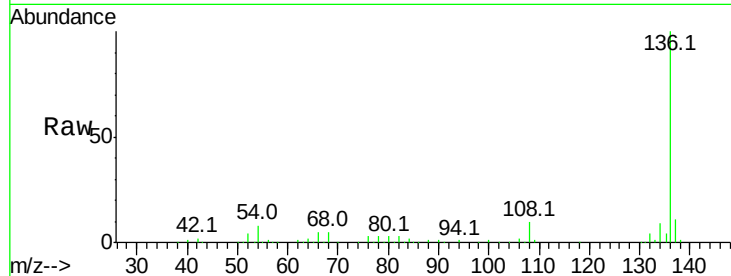
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	8.0	6.6	9.8	
68	5.3	5.0	7.4	

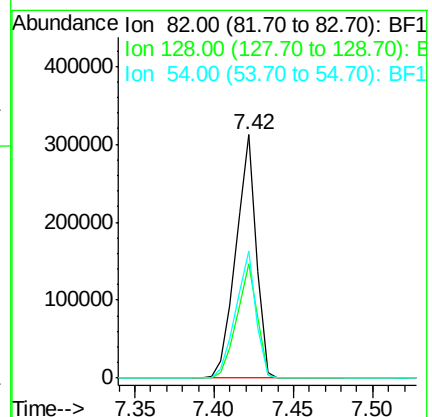
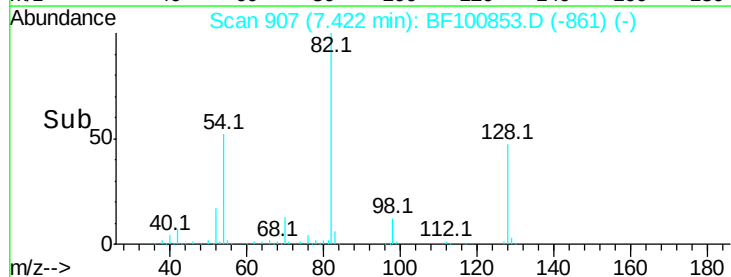
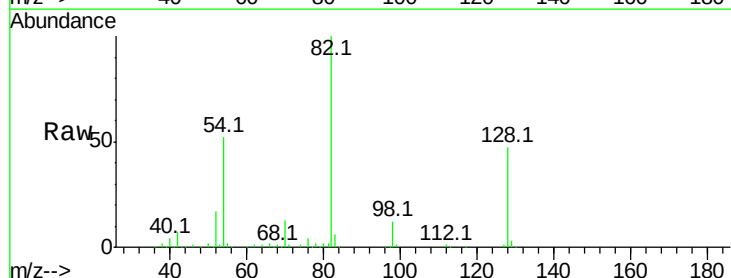
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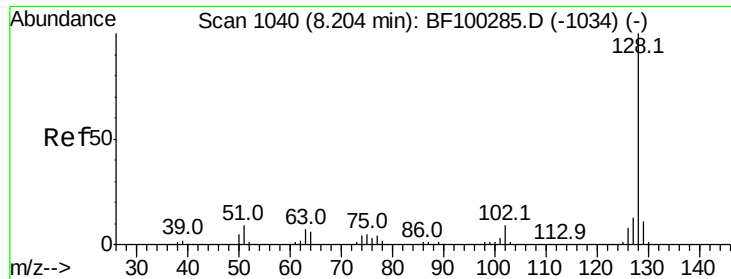
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#23
Nitrobenzene-d5
Concen: 60.871 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.03 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.2	36.1	54.1	
54	52.1	41.4	62.2	





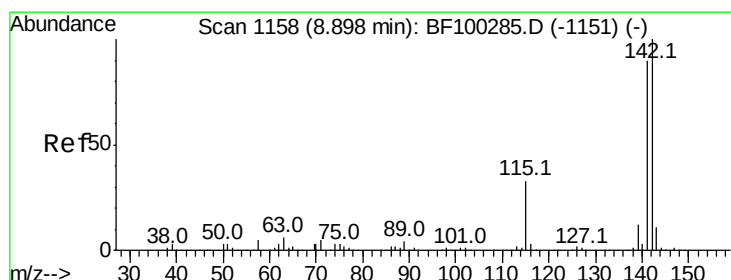
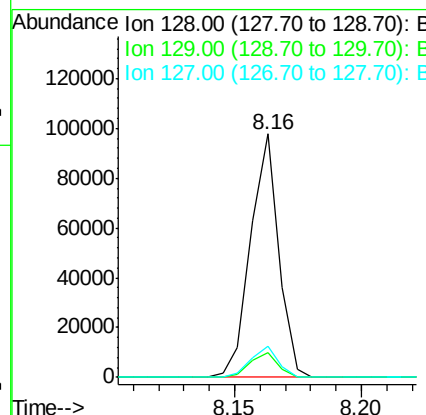
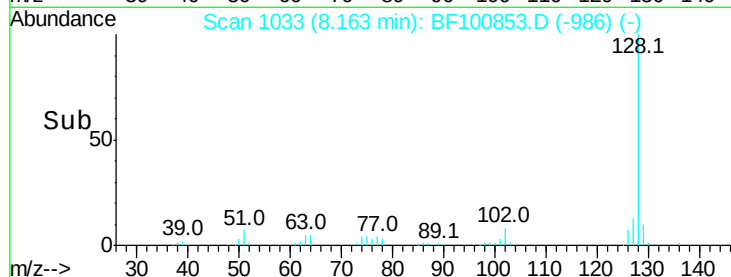
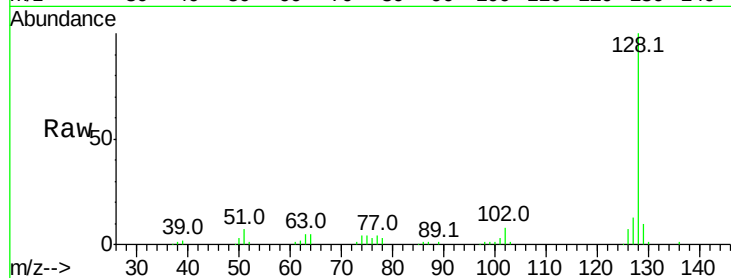
#31
Naphthalene
Concen: 5.175 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.8	13.2
127	12.7	10.9	16.3

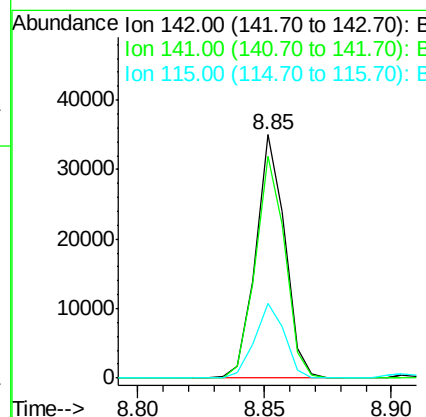
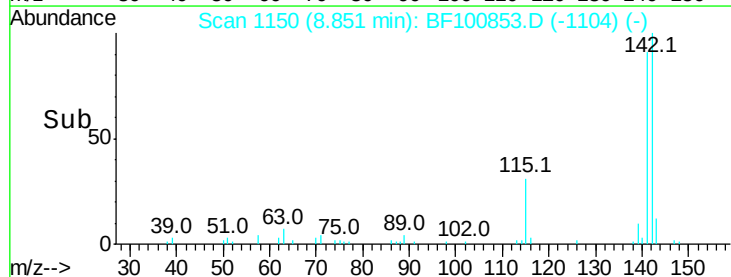
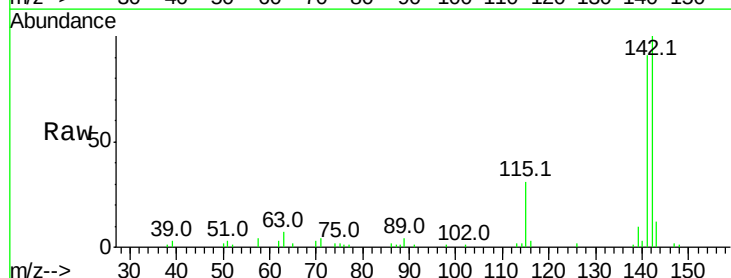
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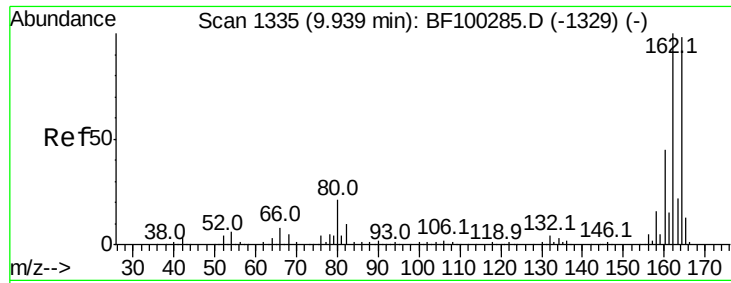
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#37
2-Methylnaphthalene
Concen: 2.910 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.03 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.8	106.2
115	30.7	26.1	39.1





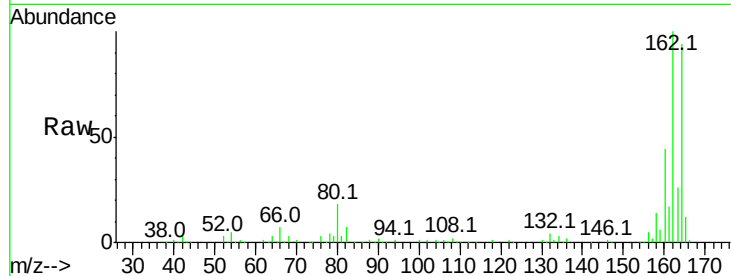
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

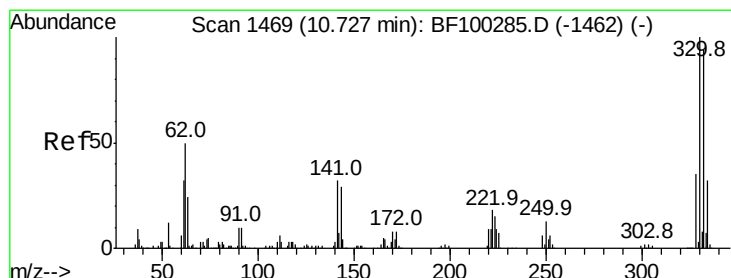
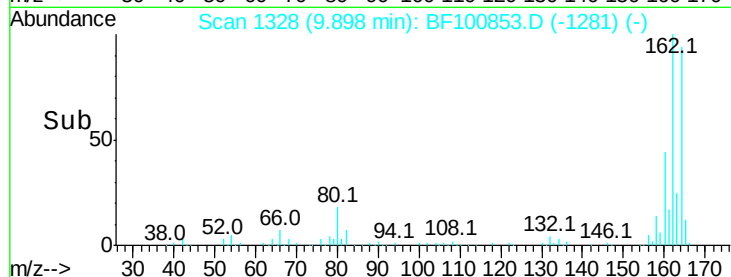
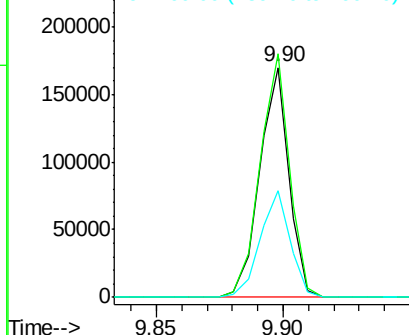
Tot Ion	Ratio	Resp	Lower	Upper
164	100	136260		
162	106.0	86.1	129.1	
160	46.2	38.3	57.5	

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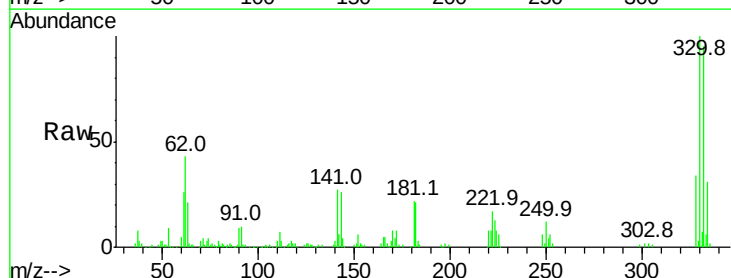


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

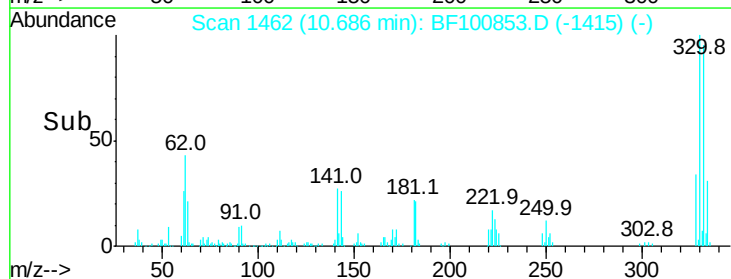
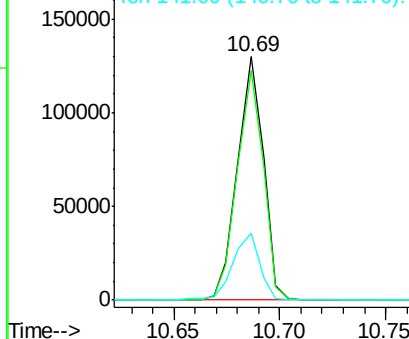


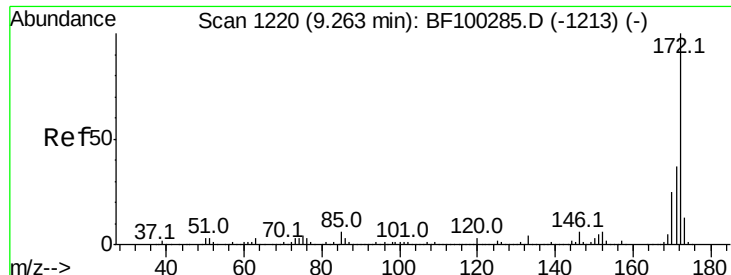
#41
2,4,6-Tribromophenol
Concen: 79.748 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	110729		
332	94.8	77.0	115.6	
141	29.1	29.9	44.9#	



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





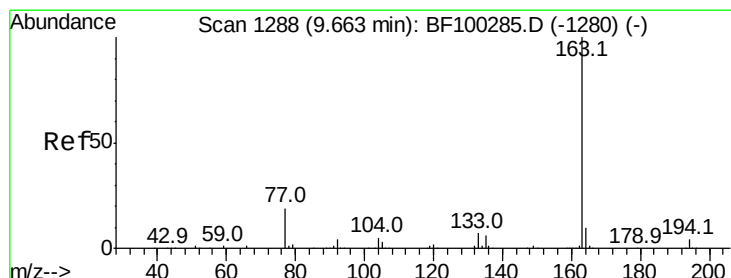
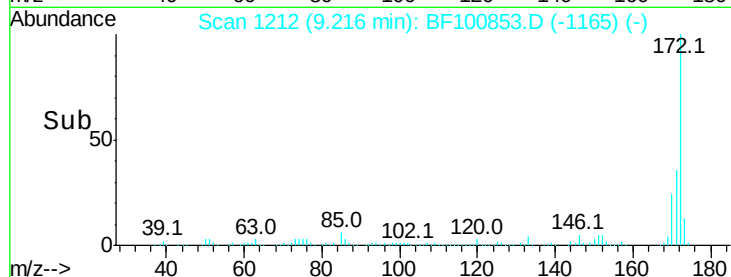
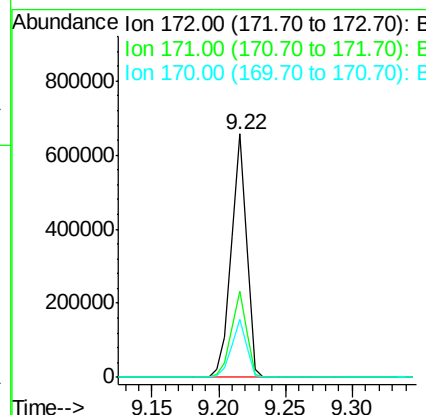
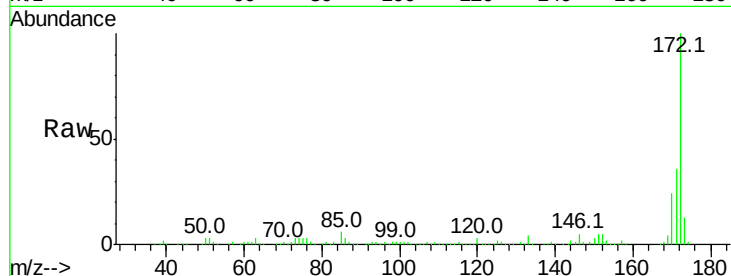
#44
2-Fluorobiphenyl
Concen: 60.381 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	540316		
171	35.6		29.7	44.5
170	23.8		19.6	29.4

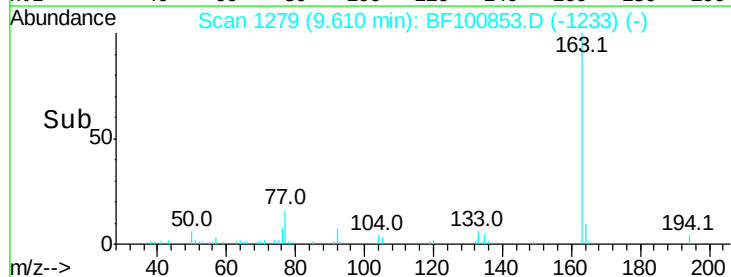
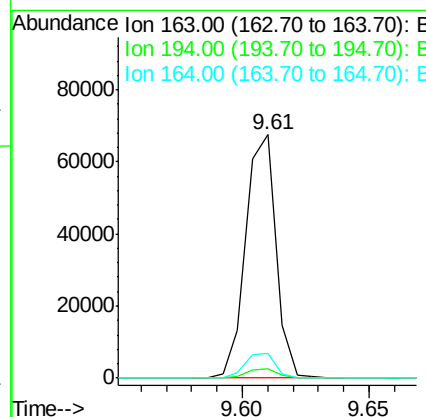
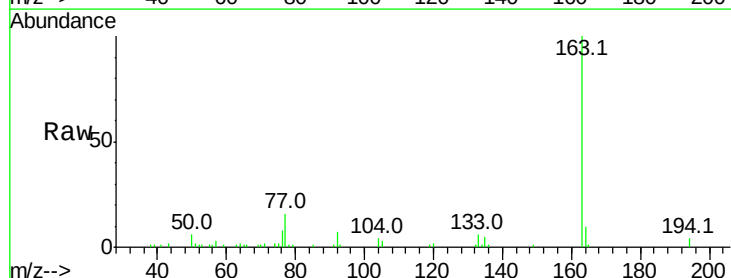
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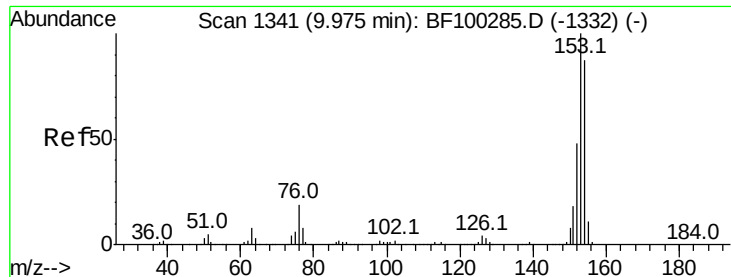
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#49
Dimethylphthalate
Concen: 5.379 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.03 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	55961		
194	3.9		2.7	4.1
164	10.2		8.2	12.2





#51

Acenaphthene

Concen: 9.563 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.03 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Instrument :

BNA_F

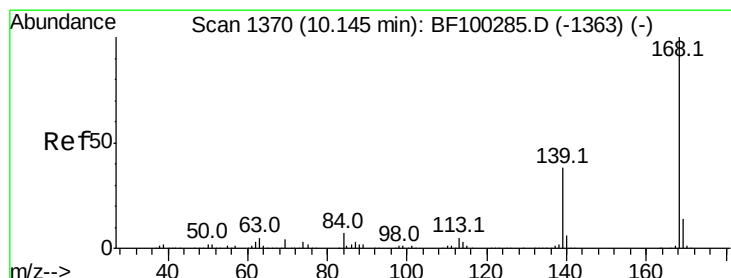
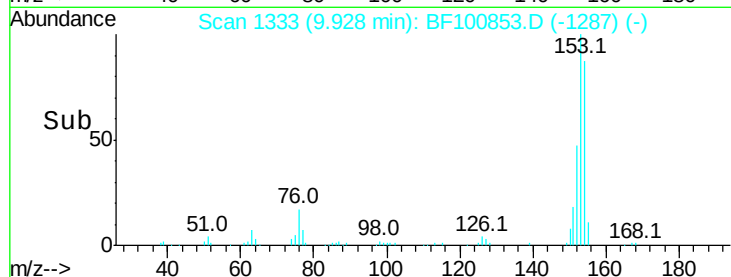
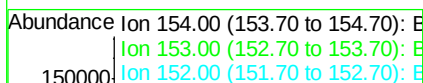
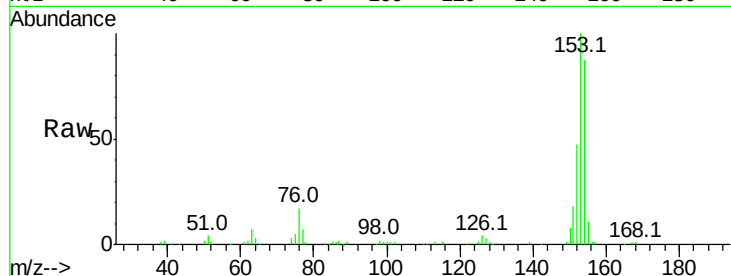
ClientSampleId :

SAU-2-E(7-8)

Tot Ion:	154	Resp:	82406
Ion Ratio	Lower	Upper	
154	100		
153	115.6	91.2	136.8
152	54.7	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 7.355 ng

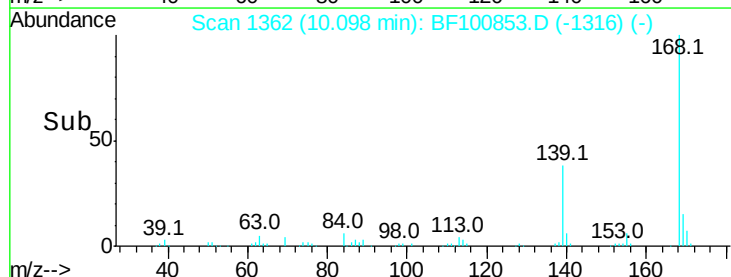
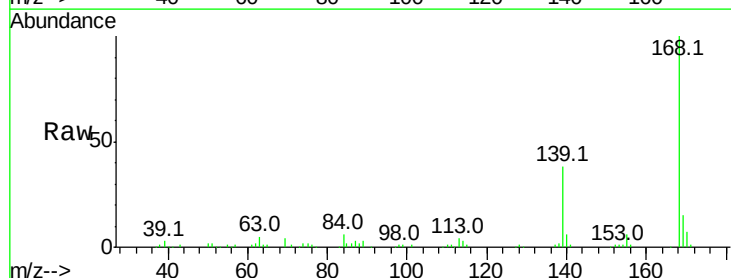
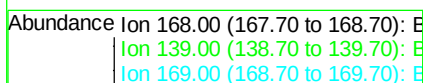
RT: 10.10 min Scan# 1362

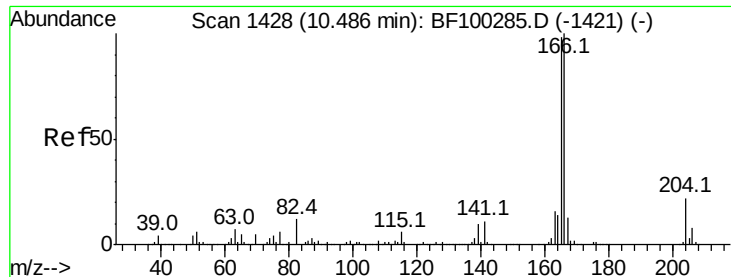
Delta R.T. -0.03 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Tgt Ion:	168	Resp:	88836
Ion Ratio	Lower	Upper	
168	100		
139	38.3	30.1	45.1
169	15.3	10.9	16.3





#57

Fluorene

Concen: 9.681 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.02 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Instrument :

BNA_F

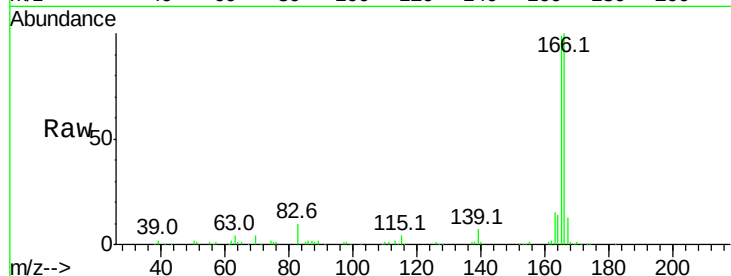
ClientSampleId :

SAU-2-E(7-8)

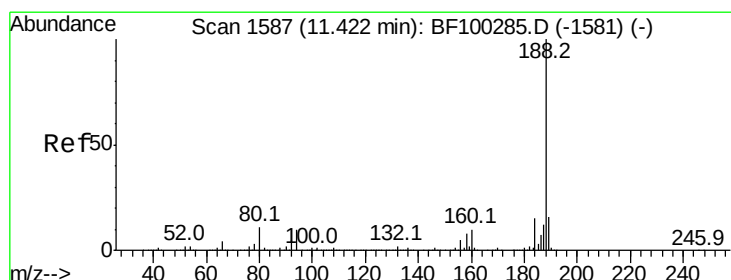
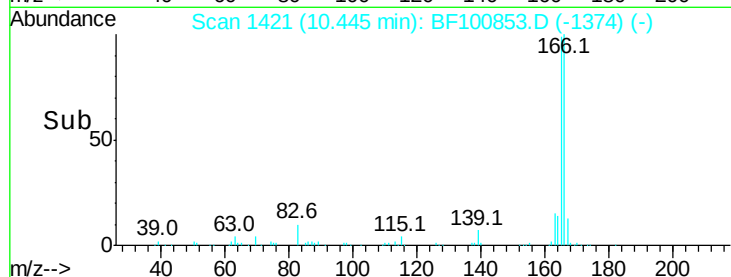
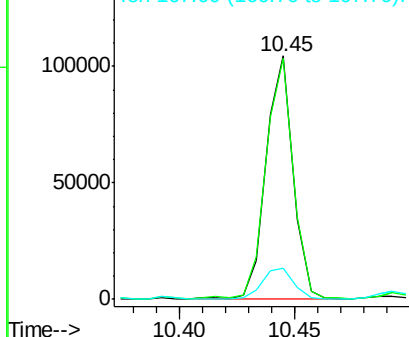
Tot Ion:	166	Resp:	85650
Ion Ratio	Lower	Upper	
166	100		
165	99.1	79.8	119.8
167	13.0	10.6	16.0

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

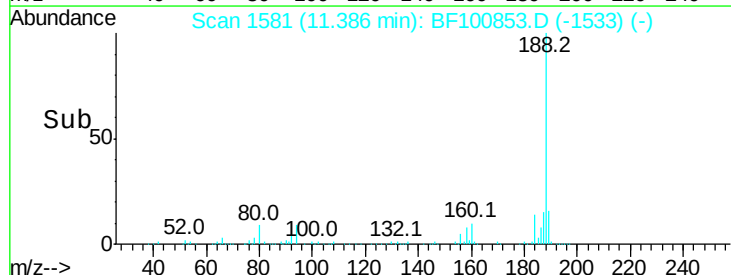
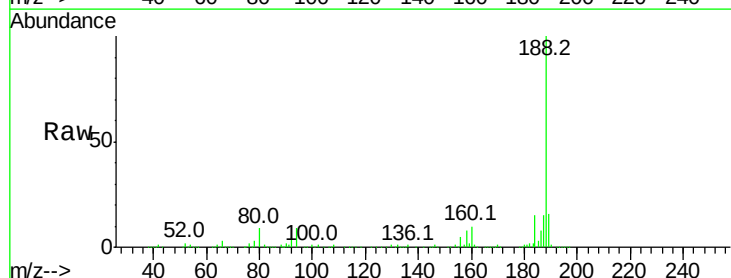
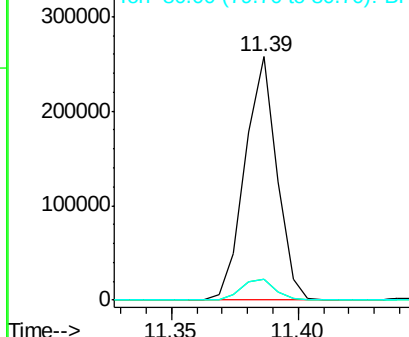
Delta R.T. -0.02 min

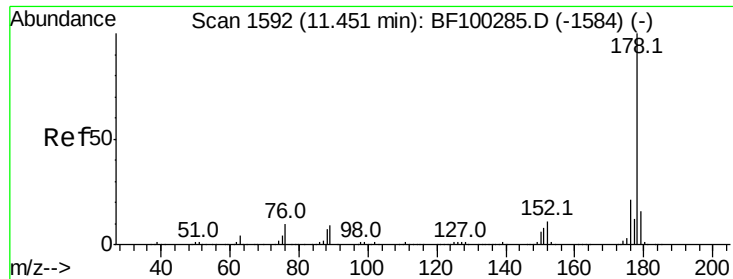
Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Tgt Ion:	188	Resp:	226226
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.5	12.7
80	8.6	9.2	13.8#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





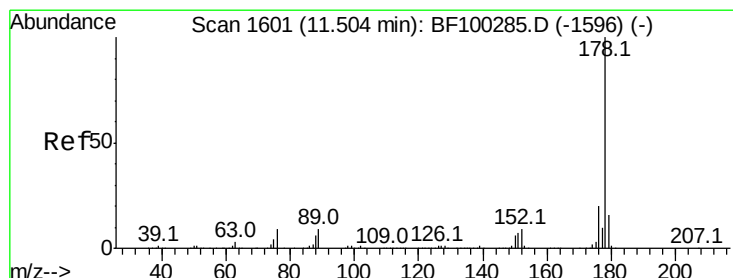
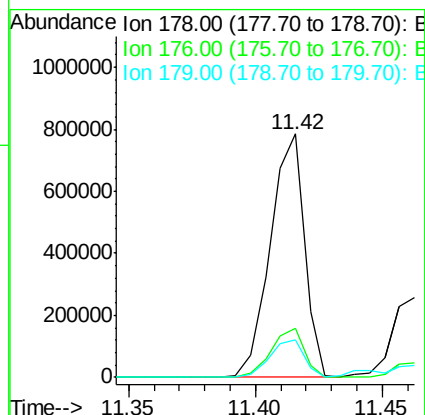
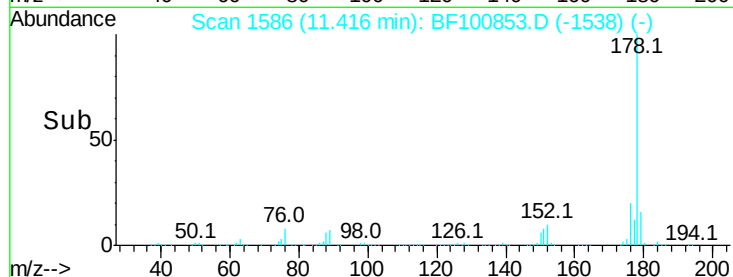
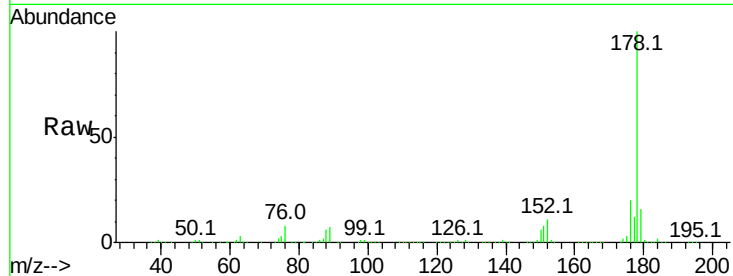
#70
Phenanthrene
Concen: 61.743 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.5	13.0	19.6

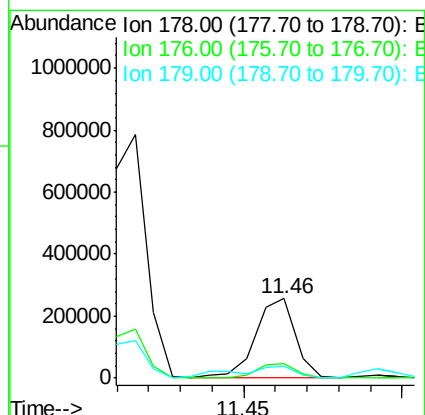
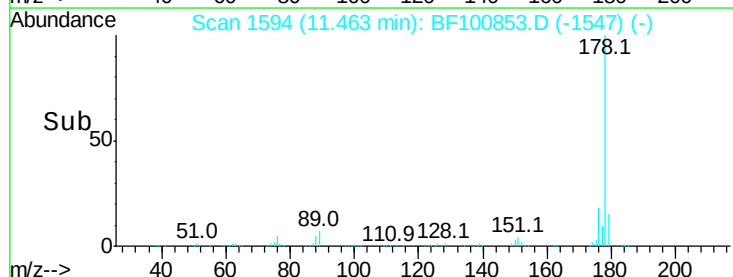
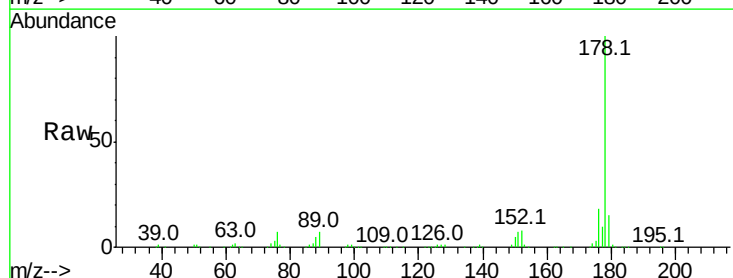
Manual Integrations
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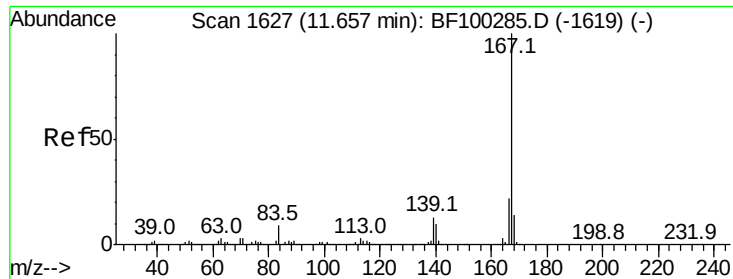
Sohil
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#71
Anthracene
Concen: 18.288 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.2	12.6	19.0





#72

Carbazole

Concen: 7.455 ng

RT: 11.62 min Scan# 1620

Delta R.T. -0.02 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Instrument :

BNA_F

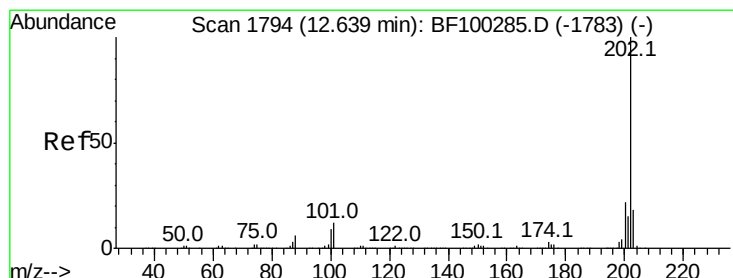
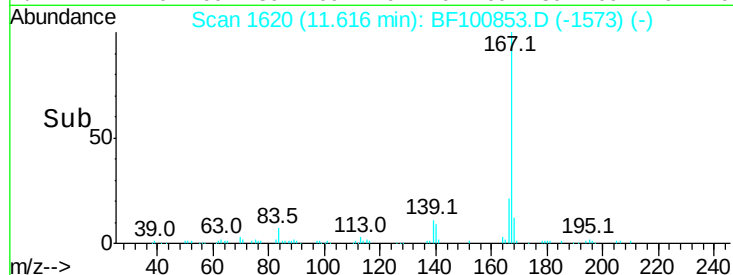
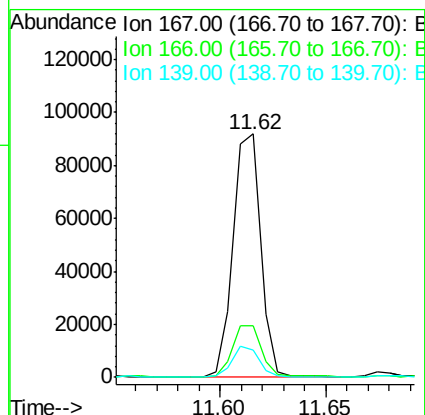
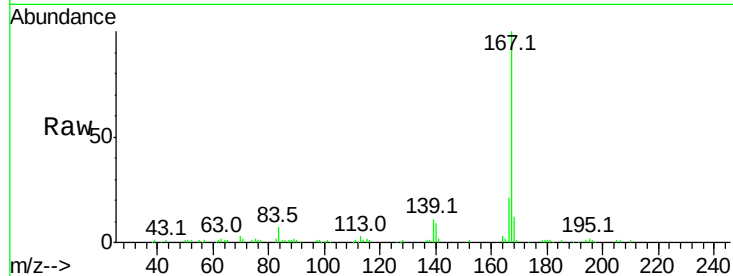
ClientSampleId :

SAU-2-E(7-8)

Tot Ion:	167	Resp:	83121
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.6	26.4
139	11.1	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 45.986 ng

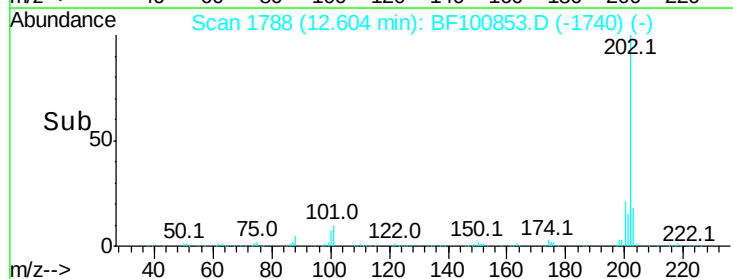
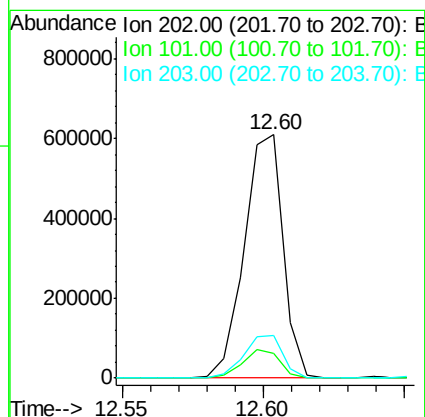
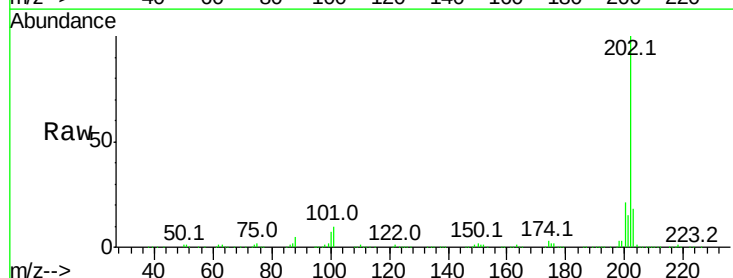
RT: 12.60 min Scan# 1788

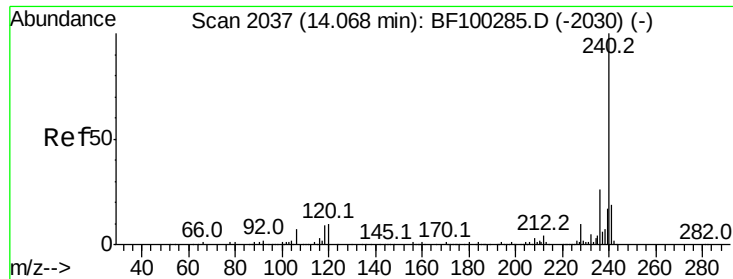
Delta R.T. -0.02 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Tgt Ion:	202	Resp:	580501
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Instrument :

BNA_F

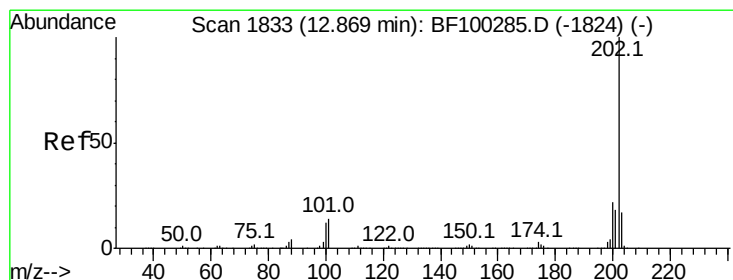
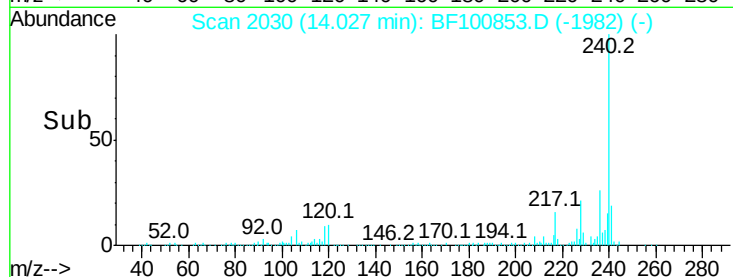
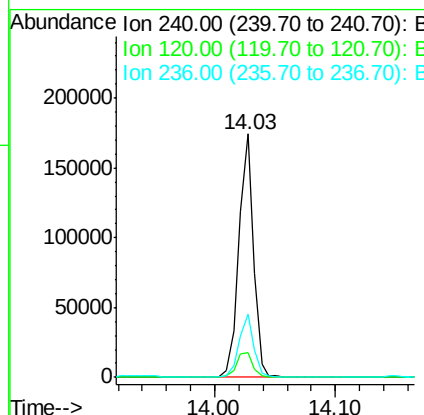
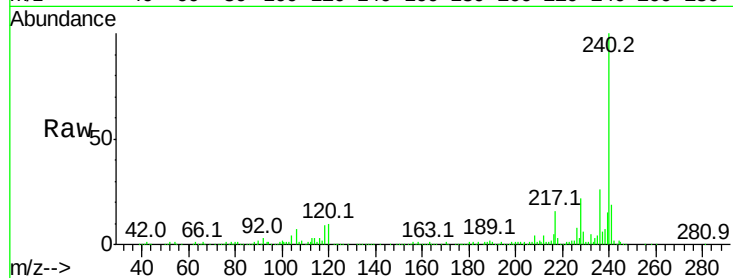
ClientSampleId :

SAU-2-E(7-8)

Tot Ion:	240	Resp:	149797
Ion Ratio	Lower	Upper	
240	100		
120	10.3	9.5	14.3
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 46.036 ng

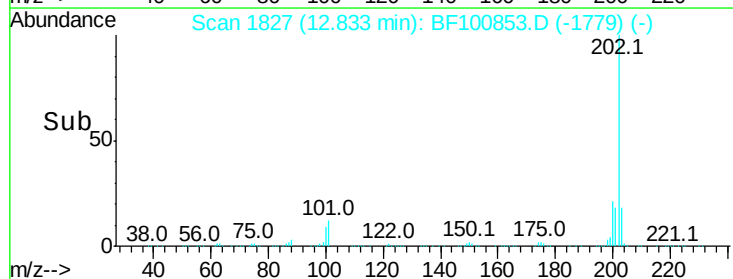
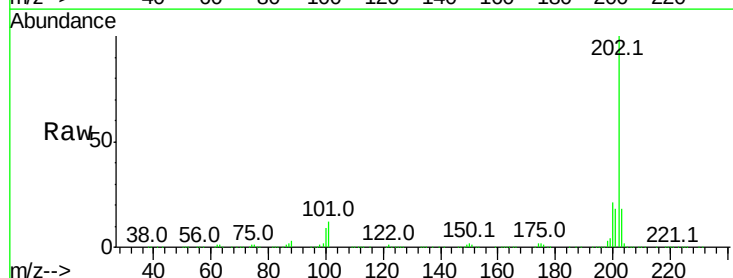
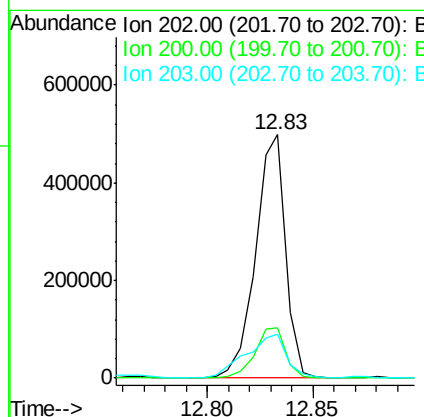
RT: 12.83 min Scan# 1827

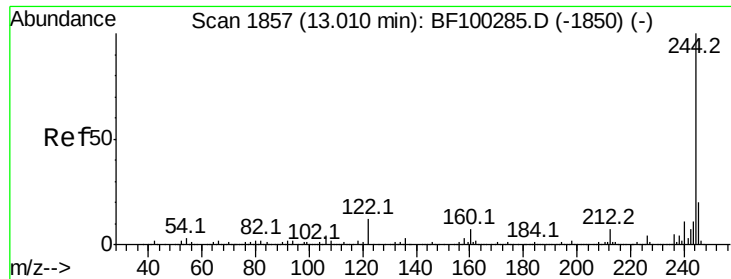
Delta R.T. -0.02 min

Lab File: BF100853.D

Acq: 23 Nov 2017 4:47

Tgt Ion:	202	Resp:	491581
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.9	14.3	21.5





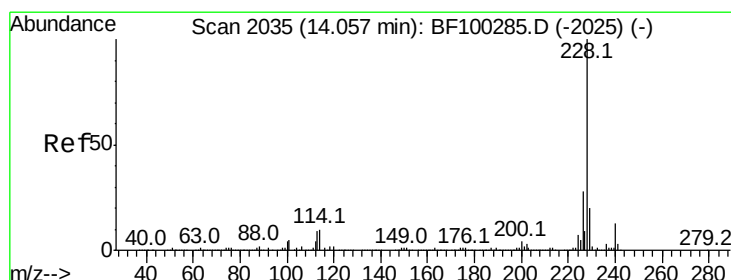
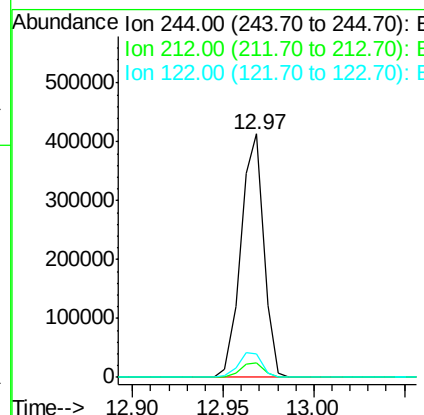
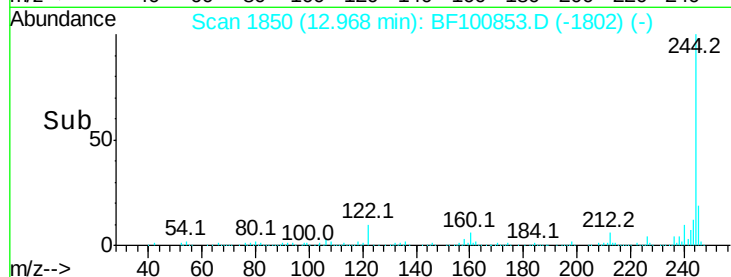
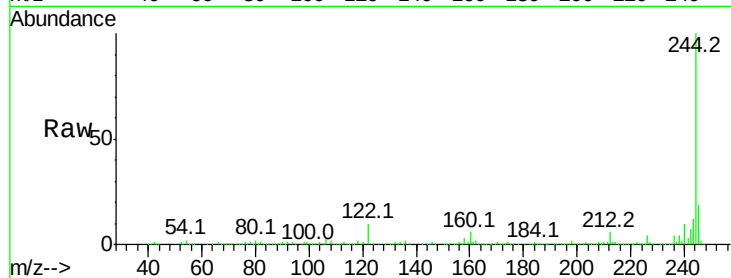
#78
 Terphenyl-d14
 Concen: 55.602 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.02 min
 Lab File: BF100853.D
 Acq: 23 Nov 2017 4:47

Instrument :
 BNA_F
 ClientSampled :
 SAU-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	9.9	11.0	16.4

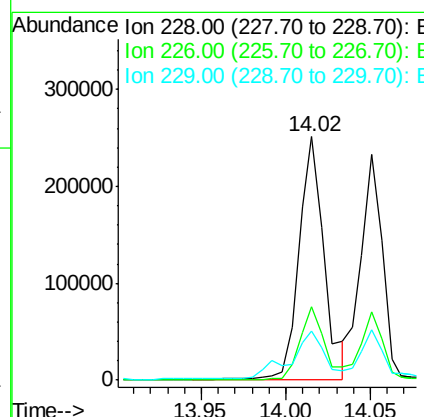
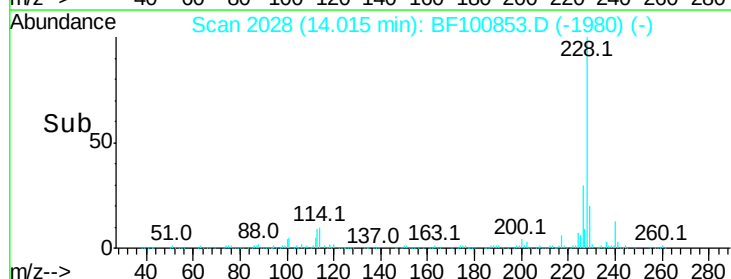
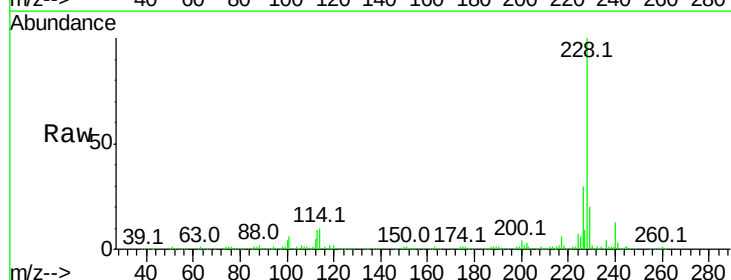
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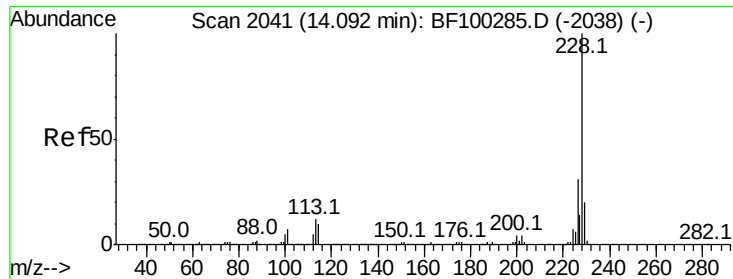
Sohil
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#80
 Benzo(a)anthracene
 Concen: 28.919 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF100853.D
 Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	20.1	15.8	23.6





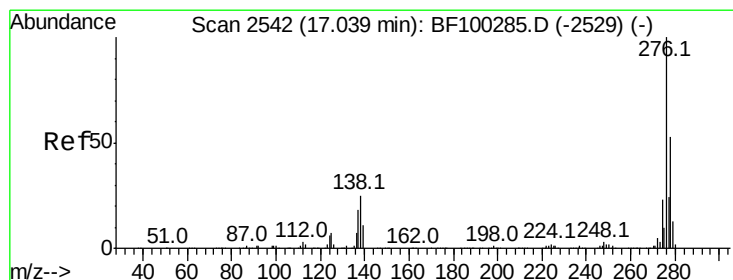
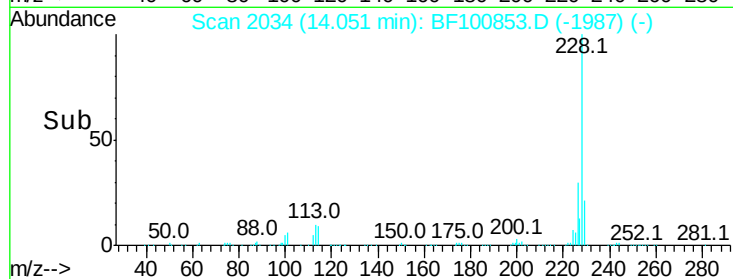
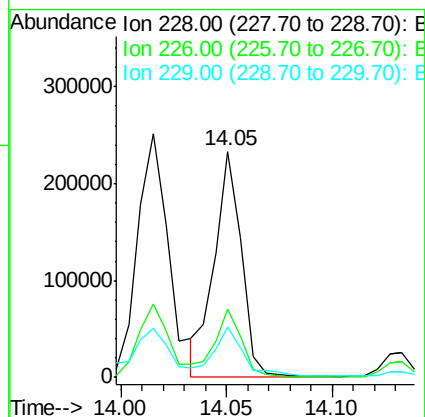
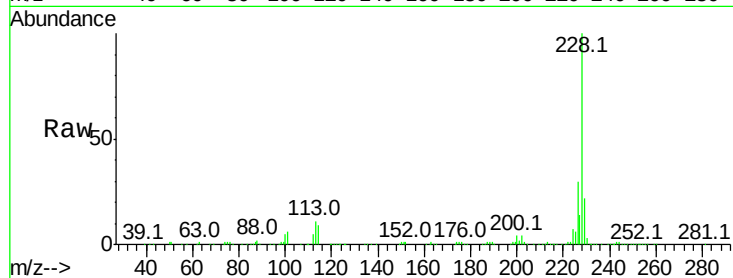
#82
Chrysene
Concen: 23.821 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.1	16.2	24.4

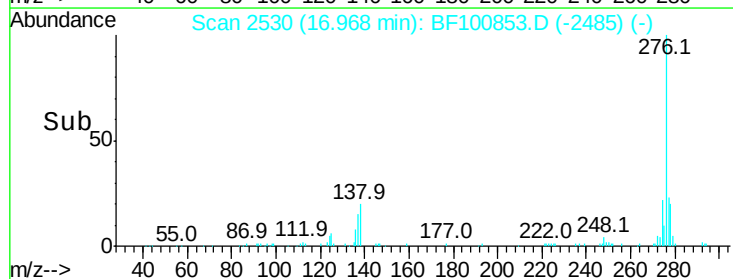
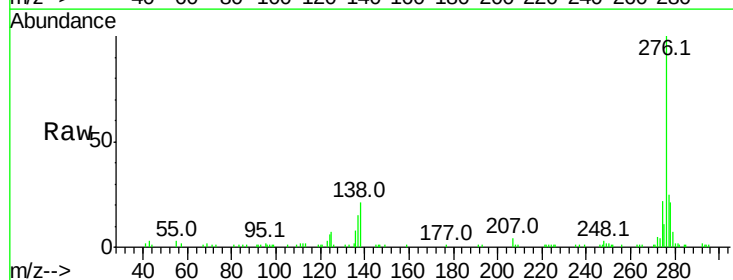
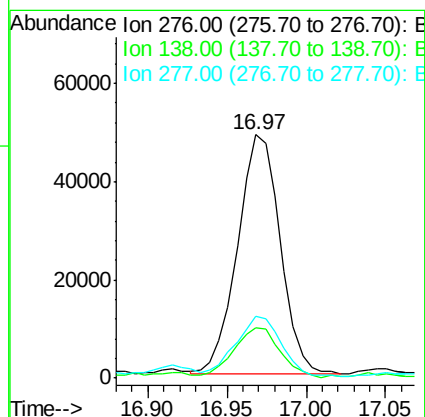
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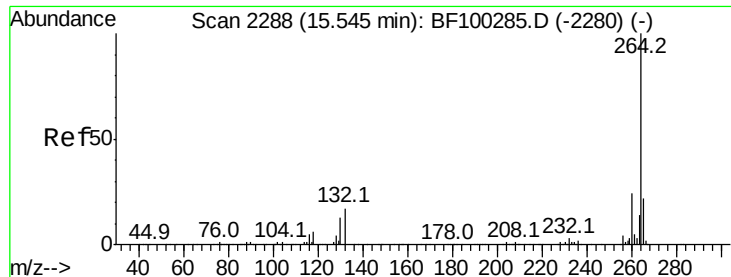
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 12.876 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.0	37.6#
277	26.7	20.1	30.1





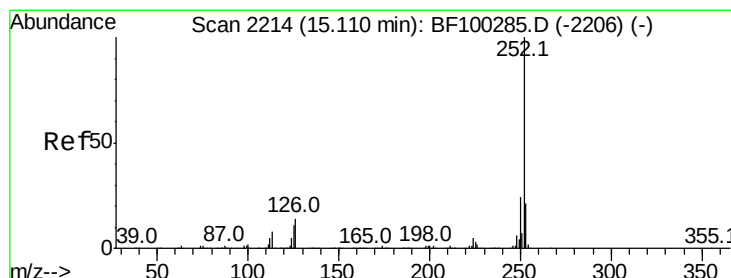
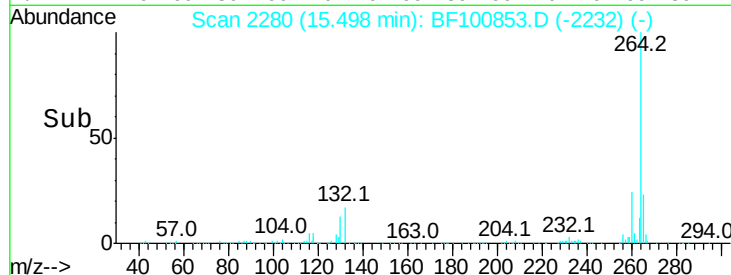
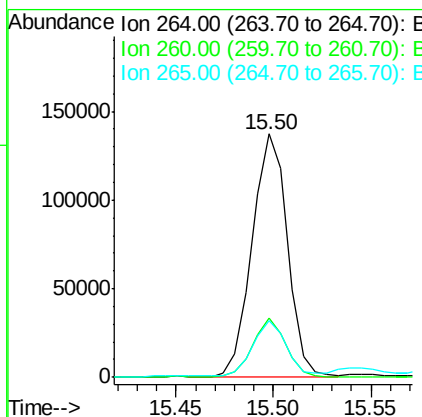
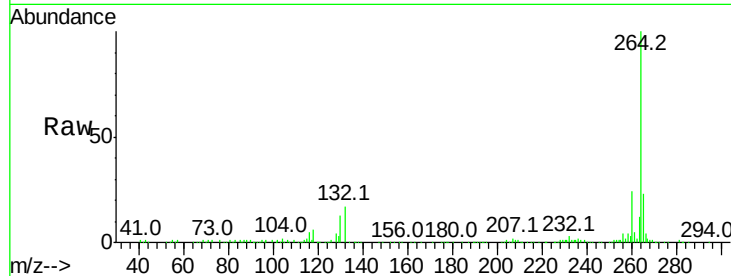
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.3	17.5	26.3

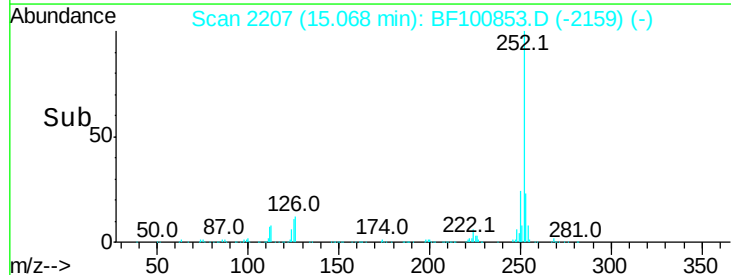
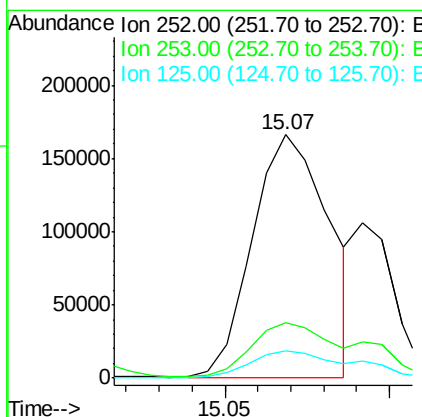
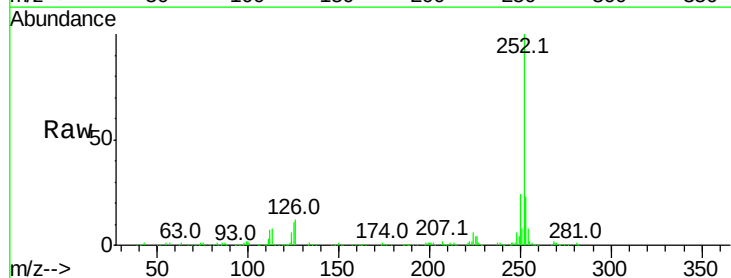
Manual Integrations
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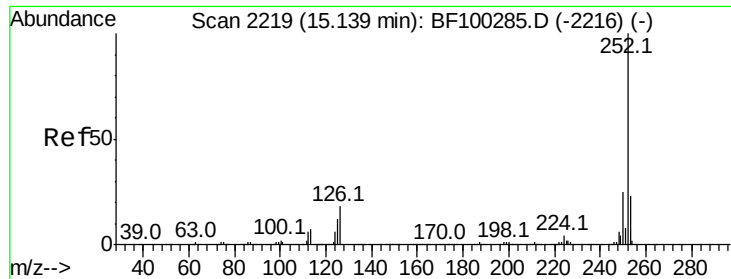
Sohil
11/27/2017 3:21:03 PM



#87
Benzo(b)fluoranthene
Concen: 26.587 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.1	9.0	13.6





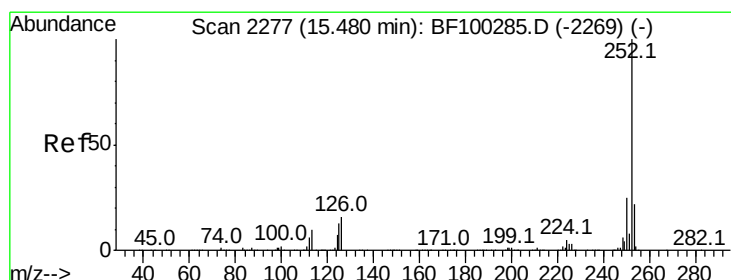
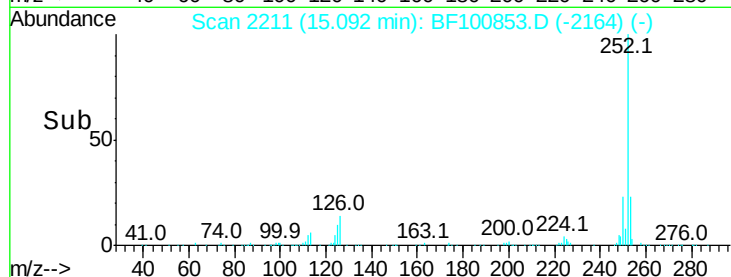
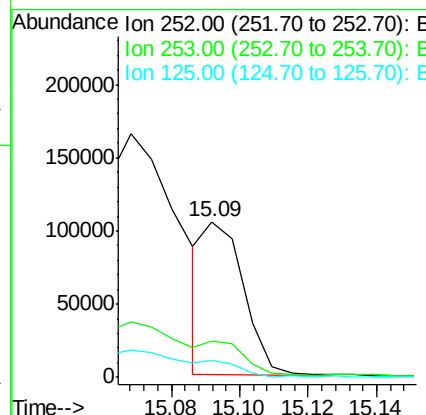
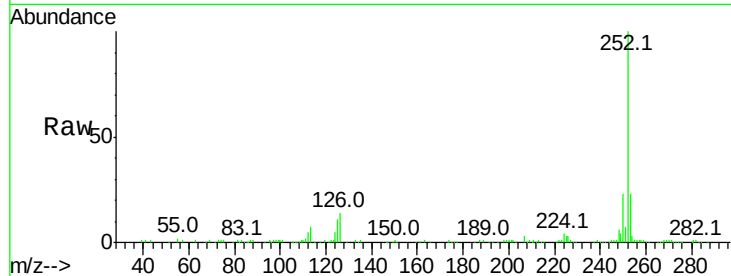
#88
Benzo(k)fluoranthene
Concen: 8.836 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	10.6	10.2	15.2

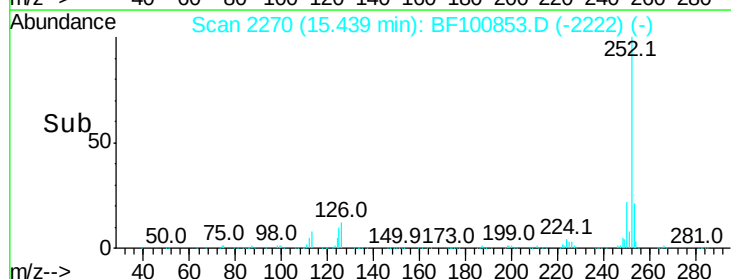
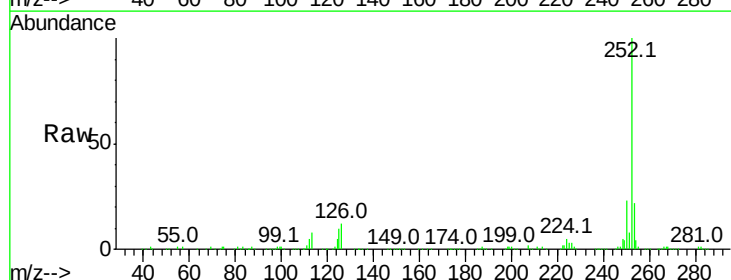
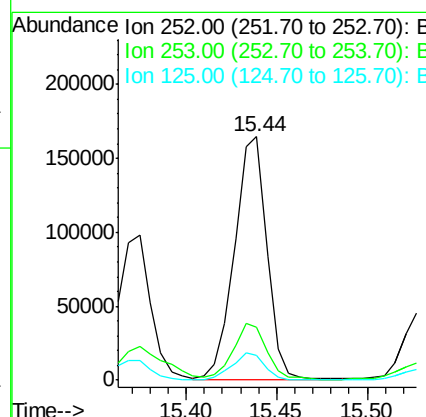
Manual Integrations
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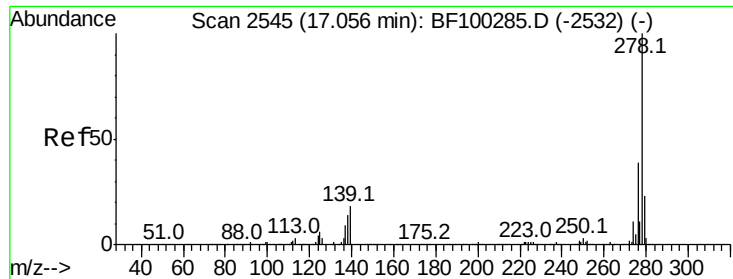
Sohil
11/27/2017 3:21:03 PM



#89
Benzo(a)pyrene
Concen: 22.648 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	9.9	9.8	14.6





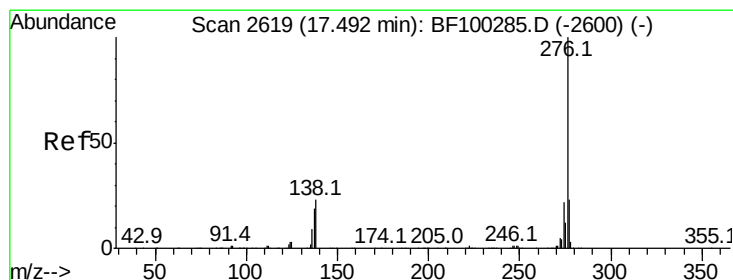
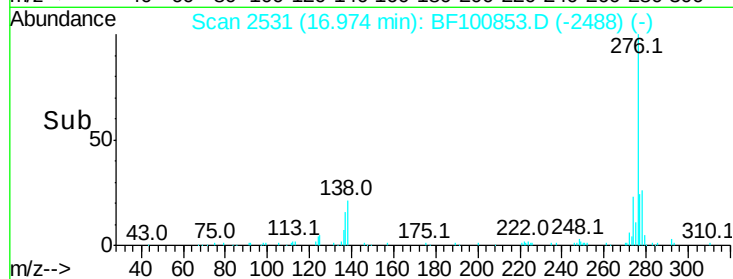
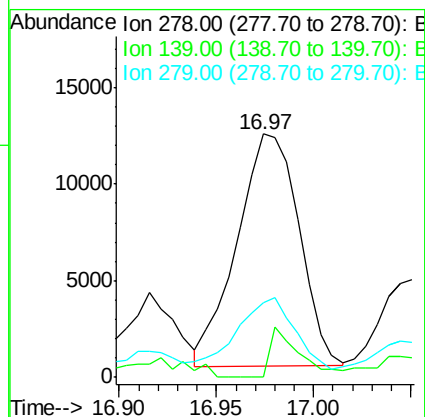
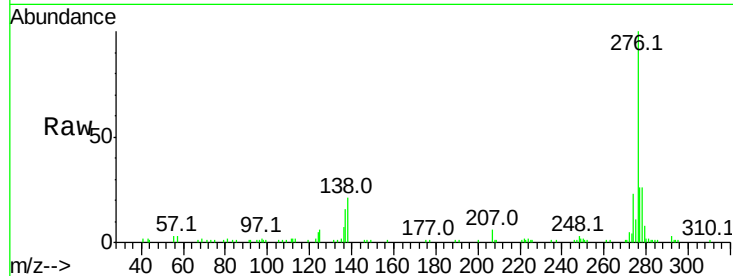
#90
Dibenzo(a,h)anthracene
Concen: 3.610 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.05 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Instrument :
BNA_F
ClientSampleId :
SAU-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	30.6	19.0	28.4#

Manual Integrations
APPROVED

Sohil
11/27/2017 3:21:03 PM



#91
Benzo(g,h,i)perylene
Concen: 11.049 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.04 min
Lab File: BF100853.D
Acq: 23 Nov 2017 4:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	19.9	21.8	32.8#

