

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100896.D
 Acq On : 27 Nov 2017 17:07
 Operator : SJ/JU
 Sample : I6548-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-1-E(3-4)

Manual Integrations
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 11/28/2017 2:45:36 PM

Quant Time: Nov 28 07:45:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 14:11:25 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	78305	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	307782	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	140387	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	237928	20.00	ng	0.00
75) Chrysene-d12	14.03	240	153322	20.00	ng	0.00
86) Perylene-d12	15.50	264	173007	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	418549	85.68	ng	0.00
7) Phenol-d6	6.49	99	509320	84.55	ng	0.00
23) Nitrobenzene-d5	7.42	82	323294	69.45	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	128352	89.72	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	666886	72.33	ng	0.00
78) Terphenyl-d14	12.96	244	476973	71.48	ng	0.00
Target Compounds						
10) Phenol	6.50	94	17242	2.727	ng	93
31) Naphthalene	8.16	128	31460	2.122	ng	99
48) Acenaphthylene	9.75	152	91548	6.271	ng	100
49) Dimethylphthalate	9.60	163	59947	5.593	ng	98
70) Phenanthrene	11.40	178	237815	18.984	ng	97
71) Anthracene	11.46	178	66818	5.257	ng	99
74) Fluoranthene	12.60	202	480458	36.189	ng	96
77) Pyrene	12.83	202	531498	48.630	ng	98
80) Benzo(a)anthracene	14.02	228	294444m	31.890	ng	
82) Chrysene	14.05	228	283088	31.662	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	217941	30.136	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	432897m	42.235	ng	
88) Benzo(k)fluoranthene	15.09	252	115238m	11.899	ng	
89) Benzo(a)pyrene	15.44	252	332875	36.633	ng	98
90) Dibenzo(a,h)anthracene	16.97	278	56559m	7.611	ng	
91) Benzo(g,h,i)perylene	17.43	276	237338	32.627	ng	93

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

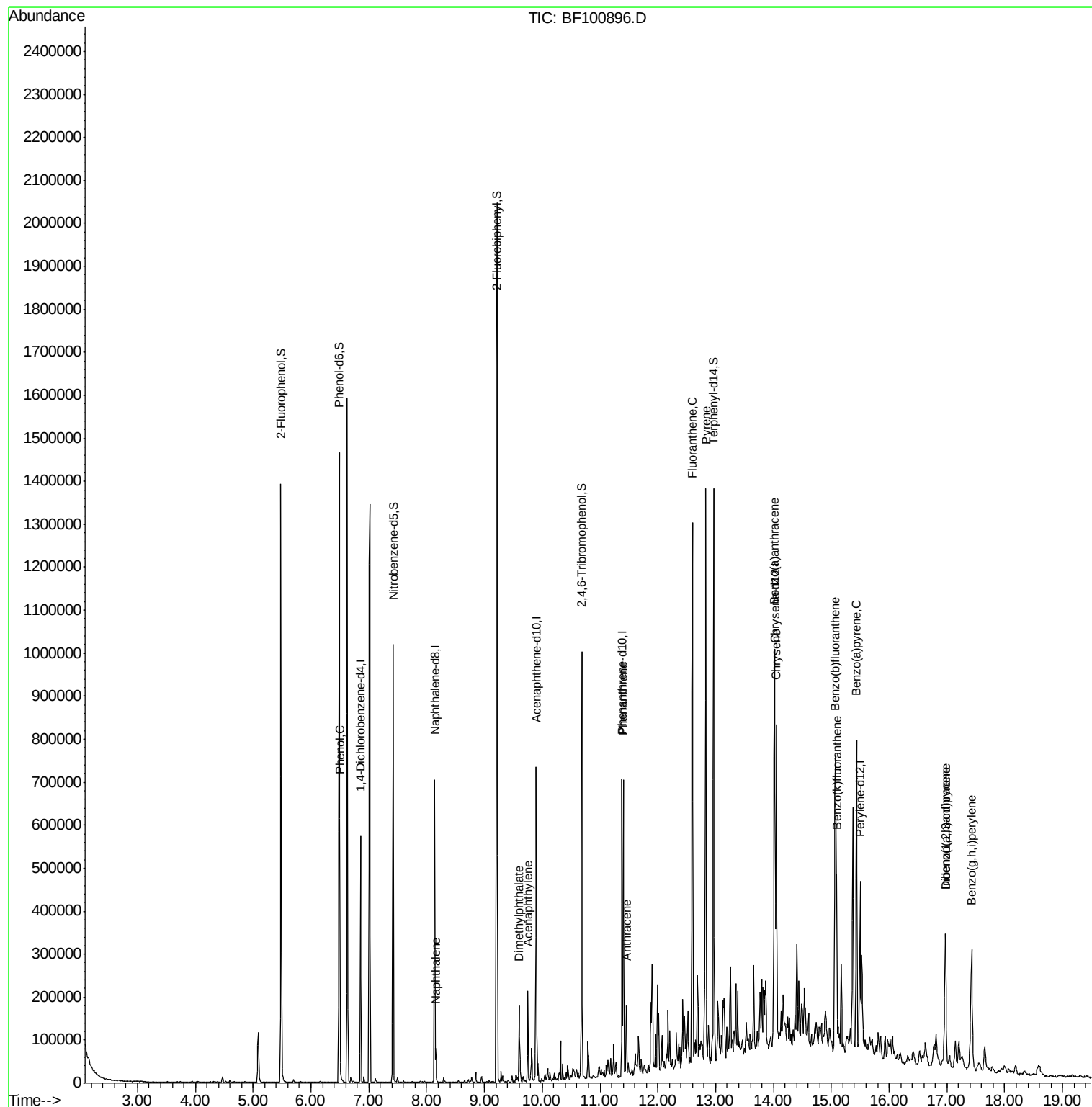
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ALS Vial : 18 Sample Multiplier: 1

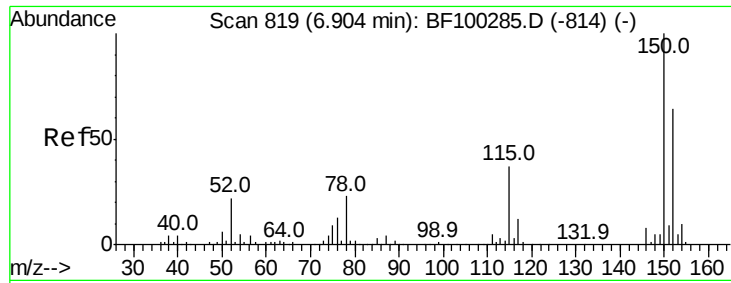
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SAU-1-E(3-4)

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#1

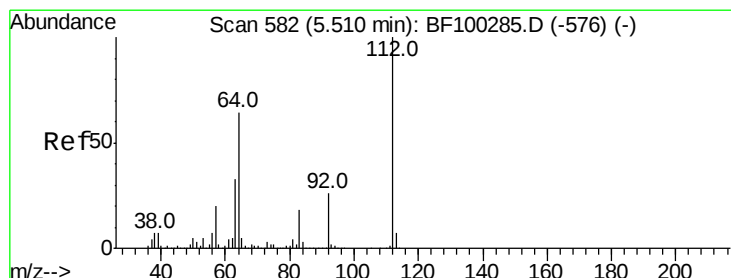
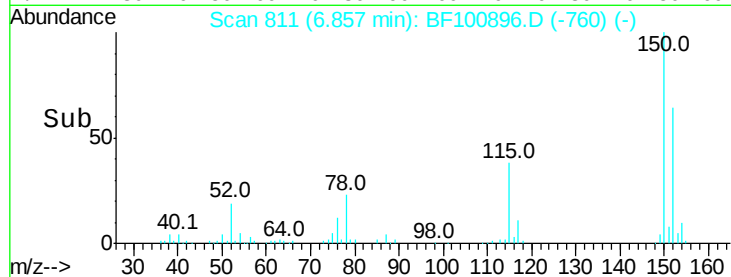
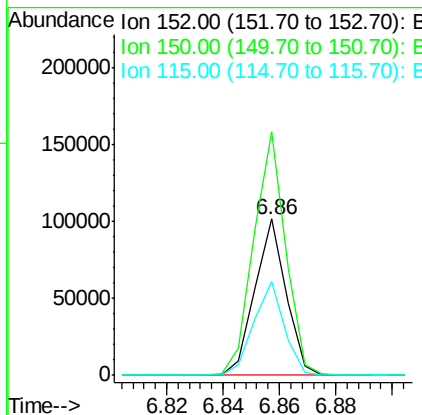
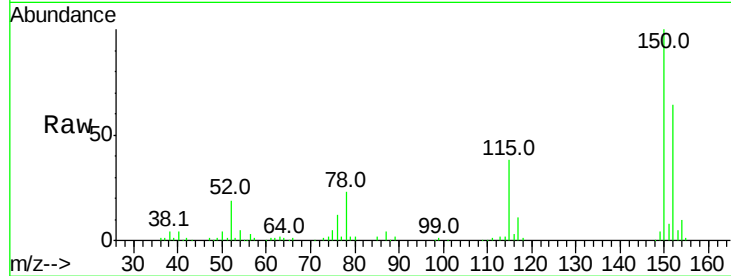
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	59.8	50.1	75.1

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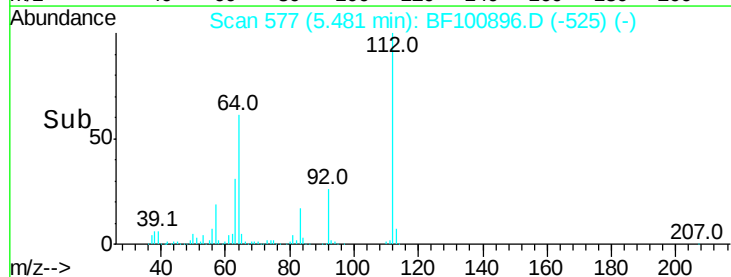
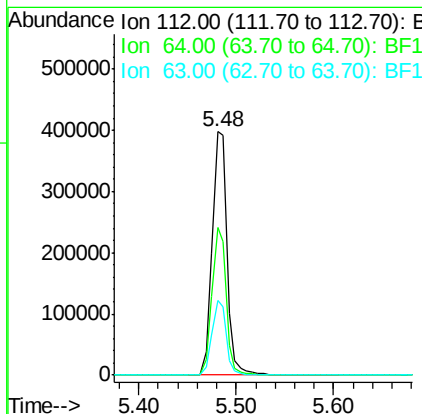
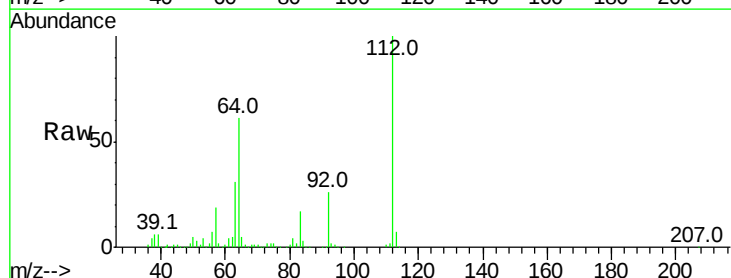
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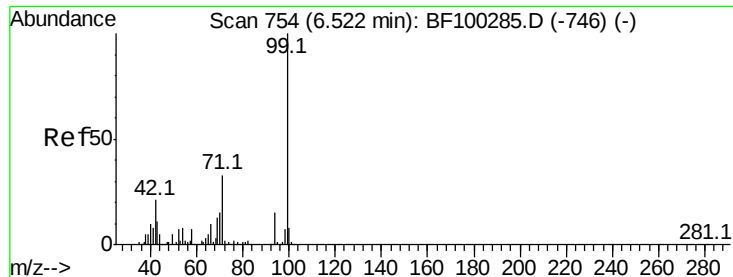


#5

2-Fluorophenol
Concen: 85.681 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	30.6	23.7	35.5





#7

Phenol-d6

Concen: 84.552 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

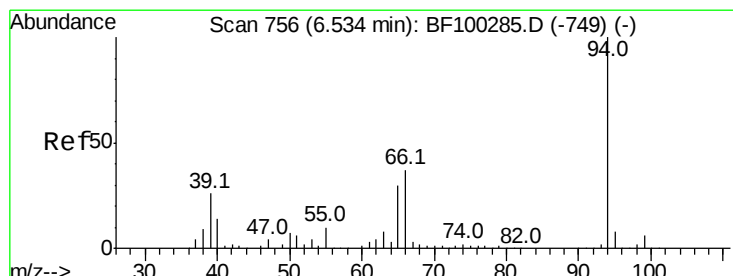
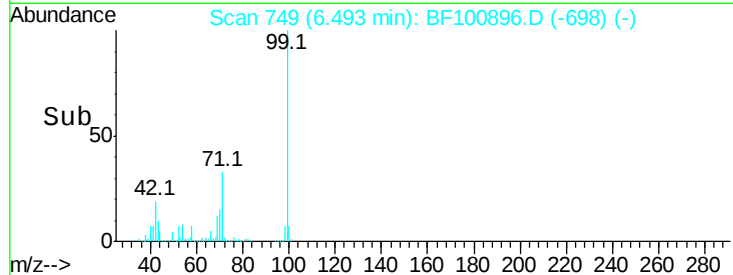
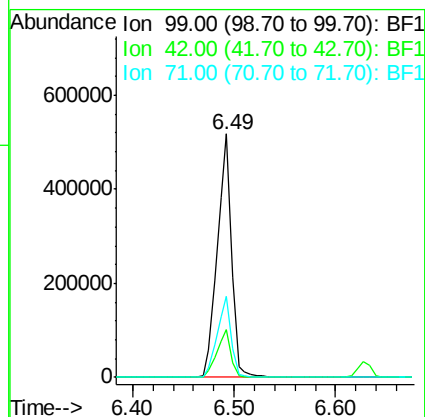
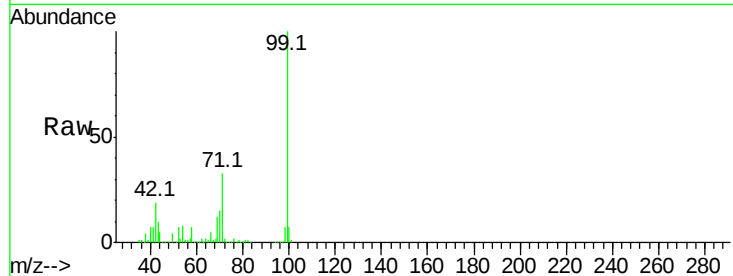
ClientSampleId :

SAU-1-E(3-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		509320		
42	19.4	14.5	21.7		
71	33.2	25.4	38.0		

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#10

Phenol

Concen: 2.727 ng

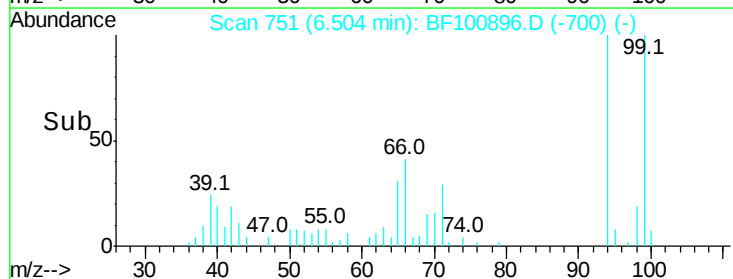
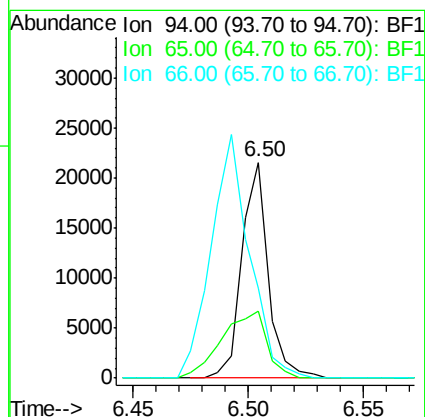
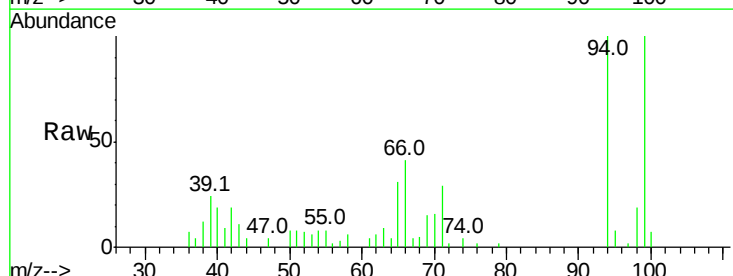
RT: 6.50 min Scan# 751

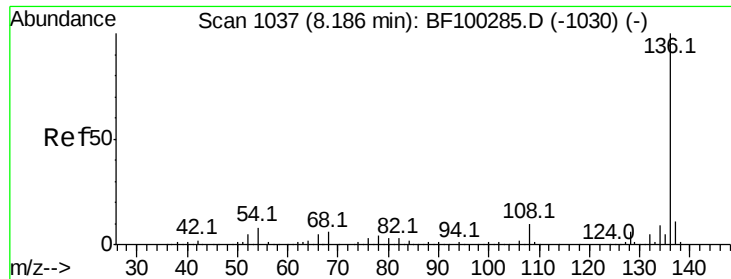
Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		17242		
65	30.8	7.9	47.9		
66	41.5	16.2	56.2		





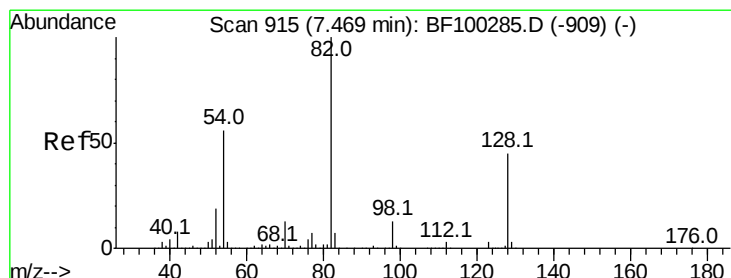
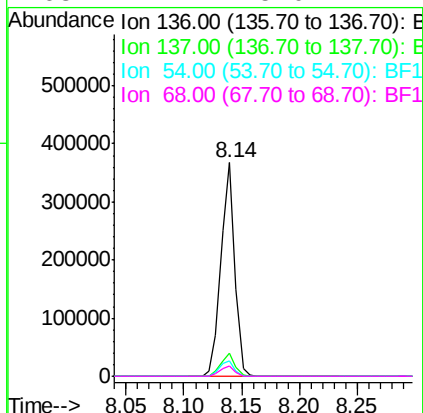
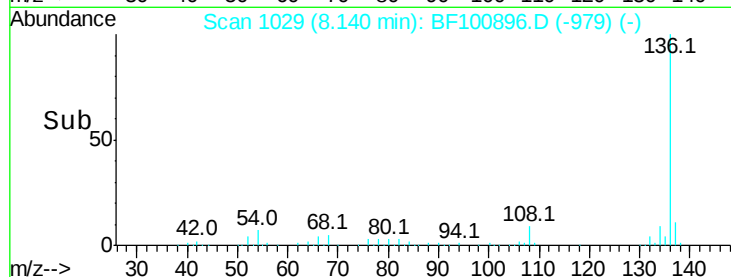
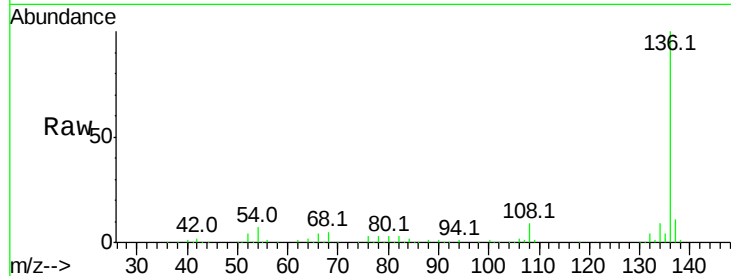
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	7.4	6.6	9.8	
68	4.7	5.0	7.4	

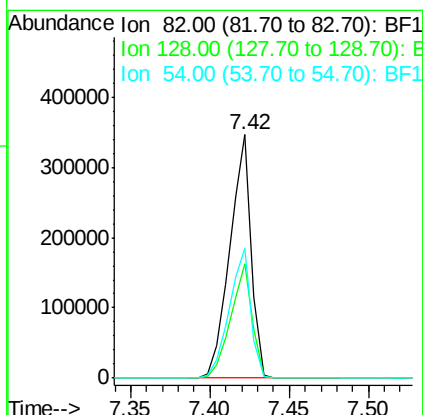
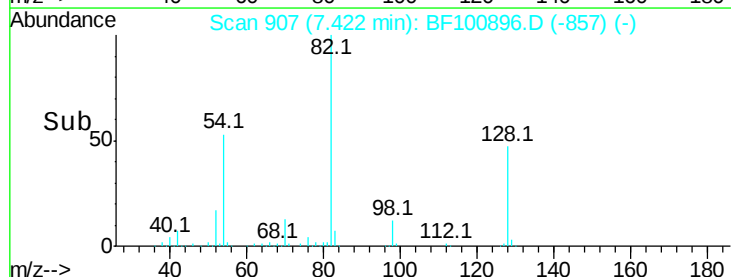
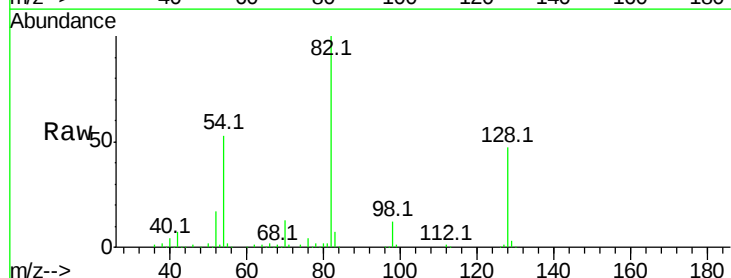
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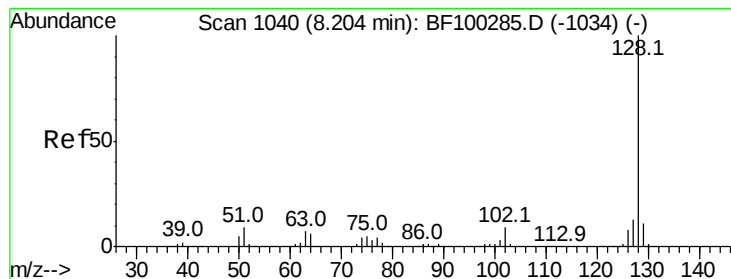
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#23
Nitrobenzene-d5
Concen: 69.445 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.1	36.1	54.1	
54	53.2	41.4	62.2	





#31

Naphthalene

Concen: 2.122 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

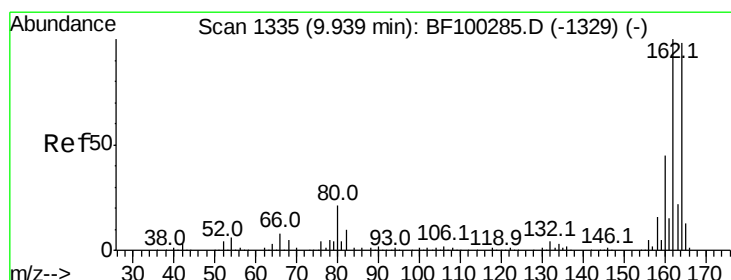
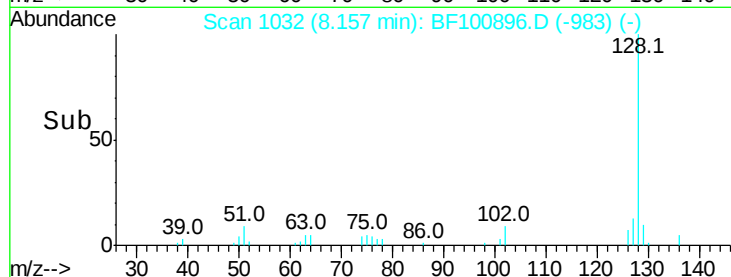
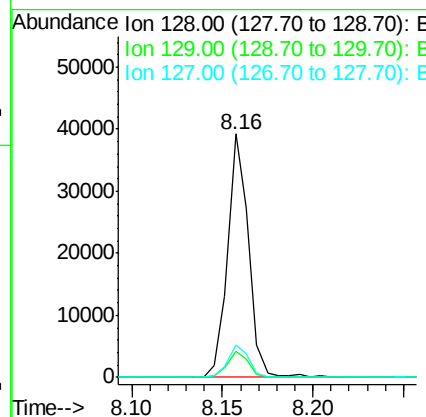
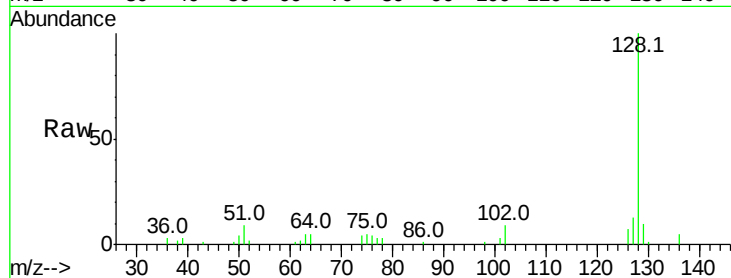
ClientSampled :

SAU-1-E(3-4)

Tot Ion:128	Resp:	31460
Ion Ratio	Lower	Upper
128 100		
129 10.5	8.8	13.2
127 13.4	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

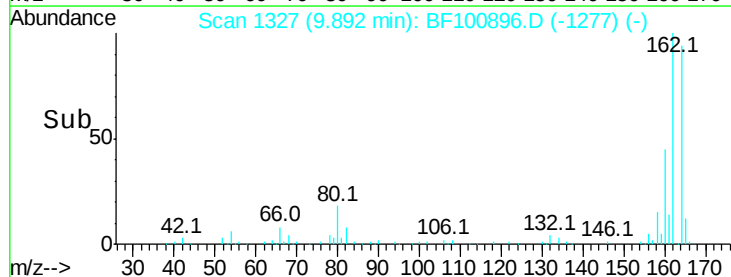
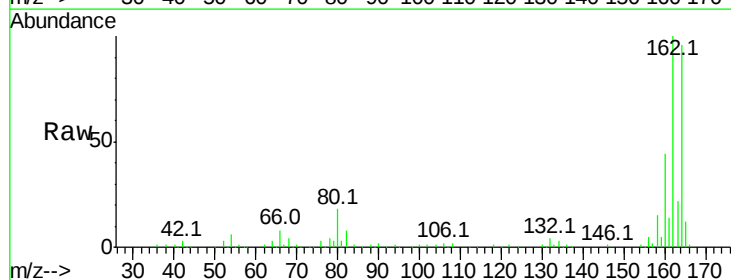
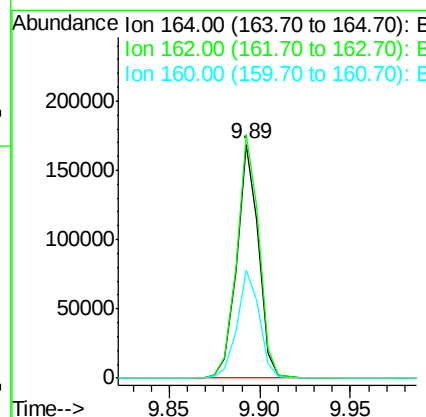
RT: 9.89 min Scan# 1327

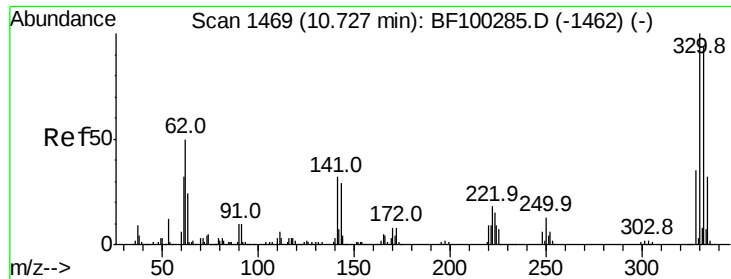
Delta R.T. -0.01 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Tgt Ion:164	Resp:	140387
Ion Ratio	Lower	Upper
164 100		
162 104.3	86.1	129.1
160 46.3	38.3	57.5





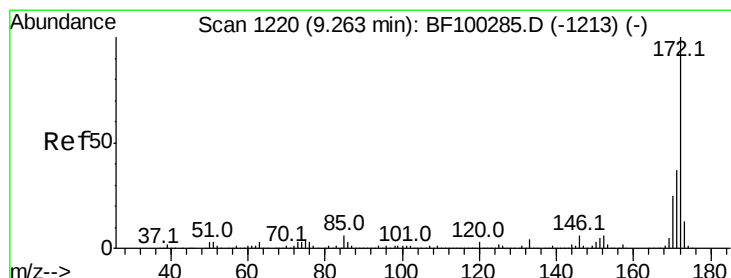
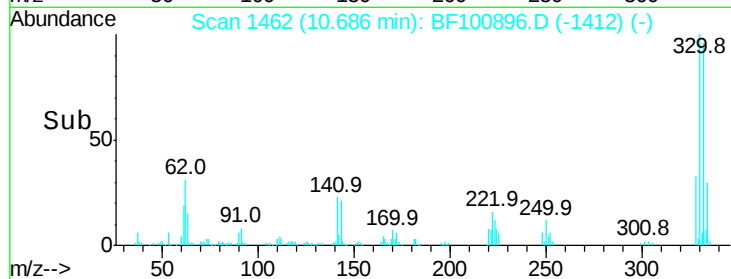
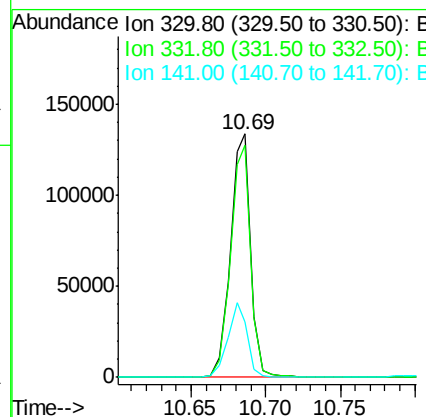
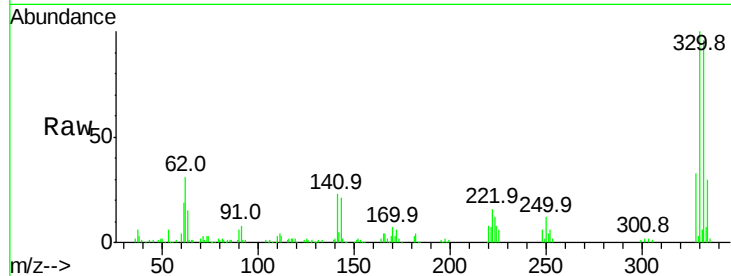
#41
 2,4,6-Tribromophenol
 Concen: 89.723 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SAU-1-E(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	77.0	115.6	
141	30.0	29.9	44.9	

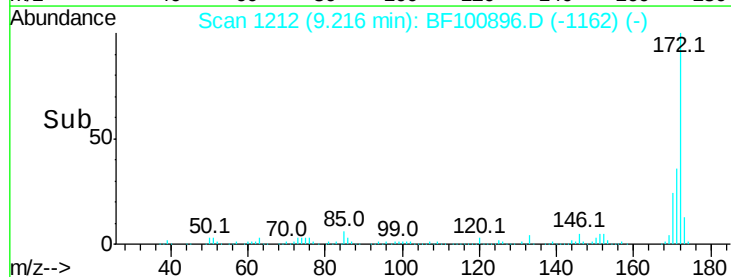
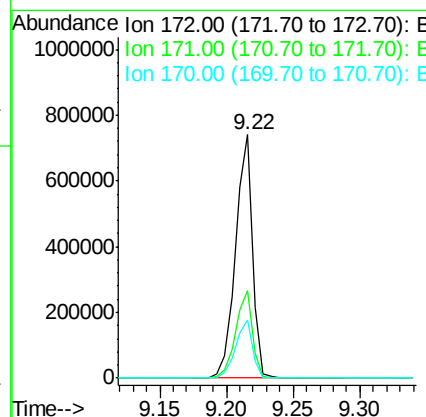
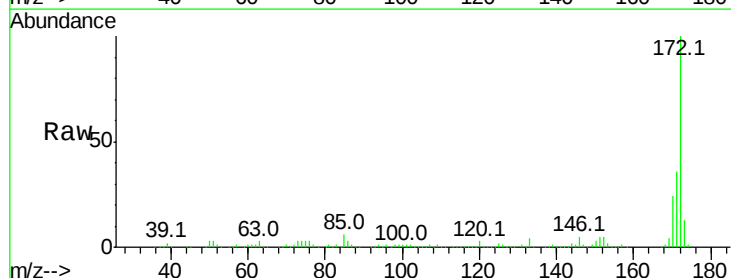
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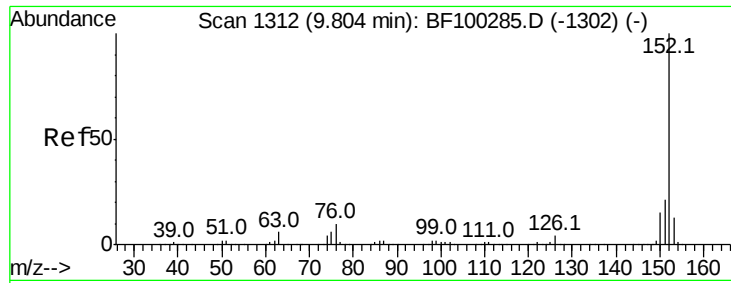
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#44
 2-Fluorobiphenyl
 Concen: 72.334 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.7	44.5	
170	24.0	19.6	29.4	





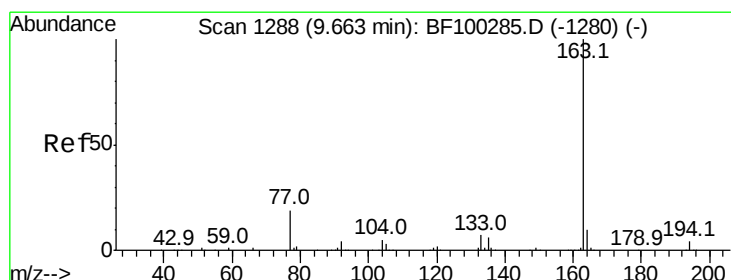
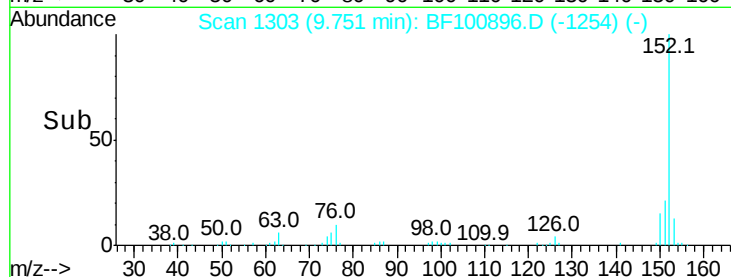
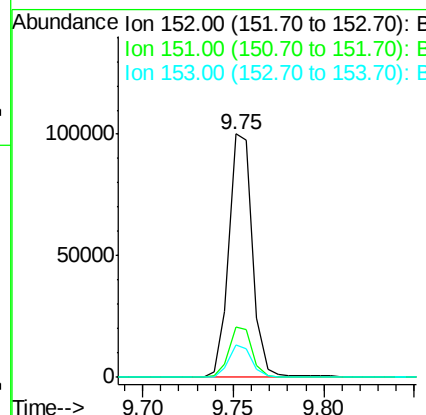
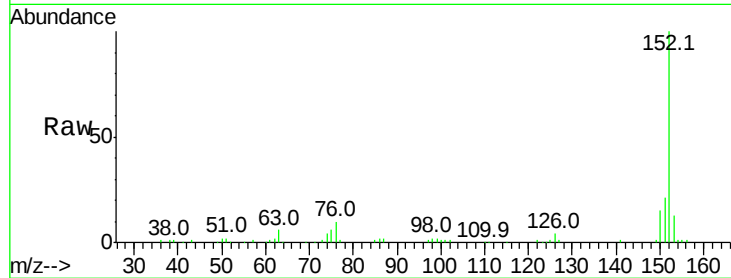
#48
Acenaphthylene
Concen: 6.271 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.5	10.7	16.1

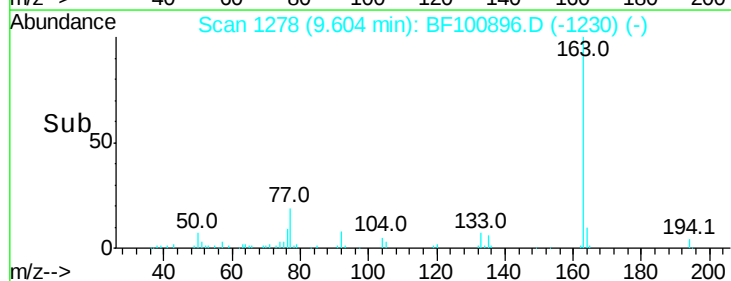
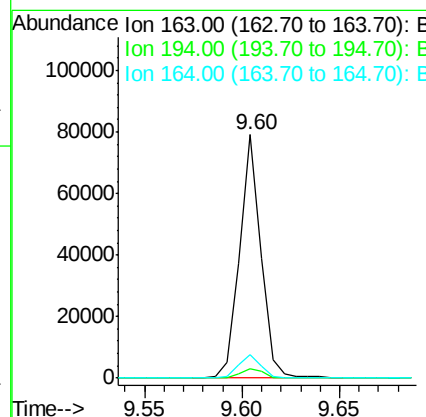
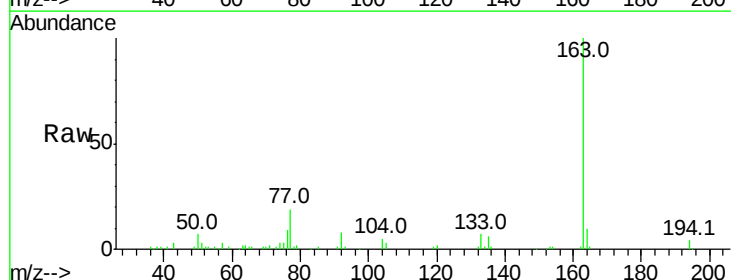
Manual Integrations
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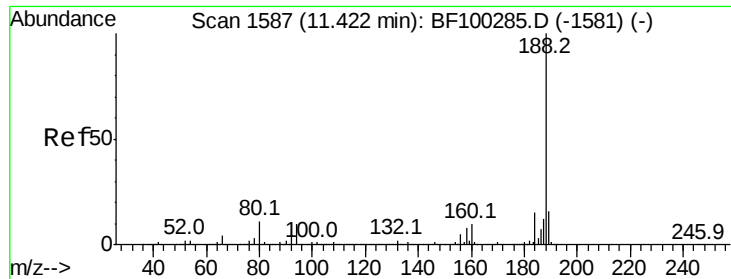
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#49
Dimethylphthalate
Concen: 5.593 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.5	8.2	12.2





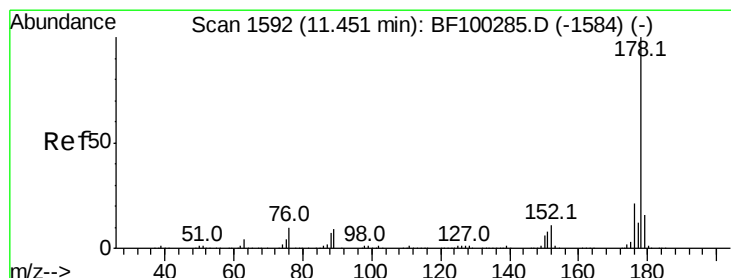
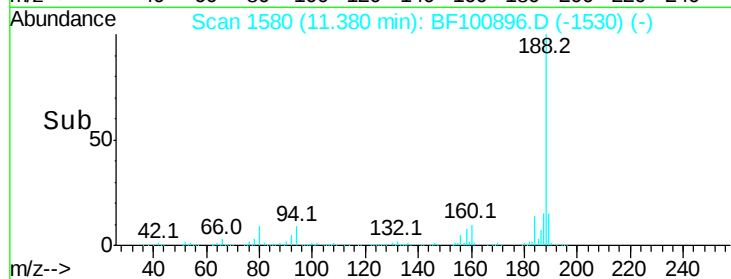
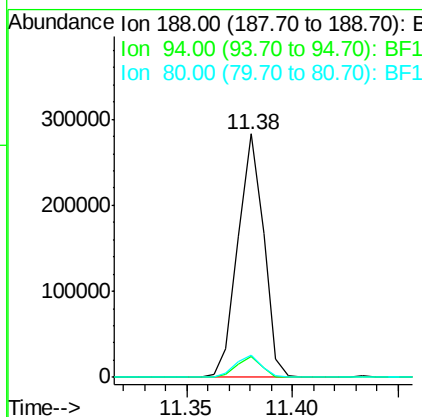
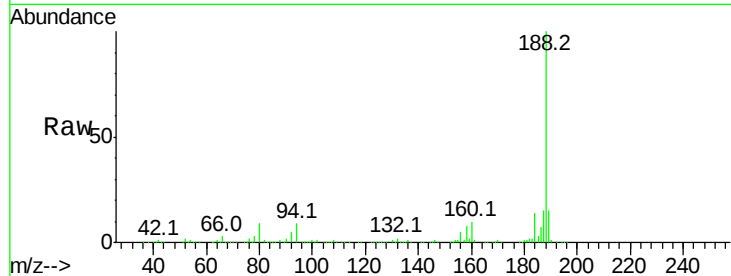
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

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

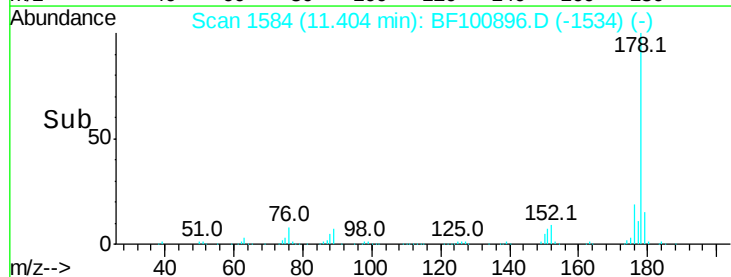
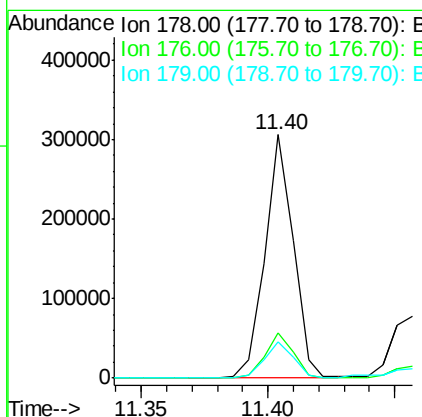
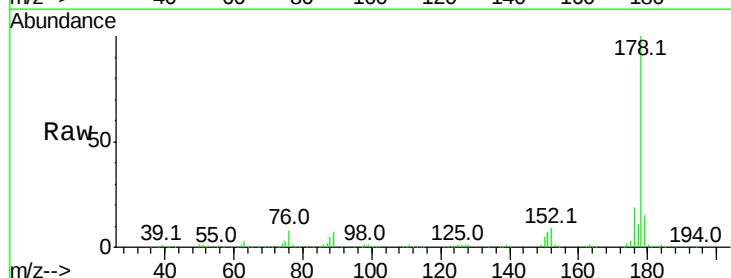
Manual Integrations
APPROVED

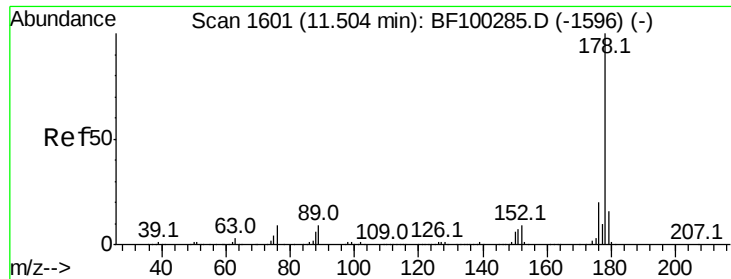
Sohil
11/28/2017 2:45:36 PM



#70
Phenanthrene
Concen: 18.984 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.1	13.0	19.6





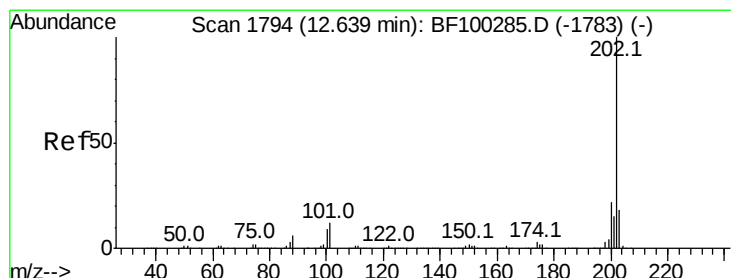
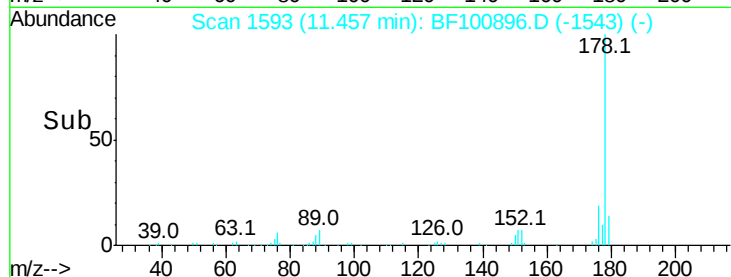
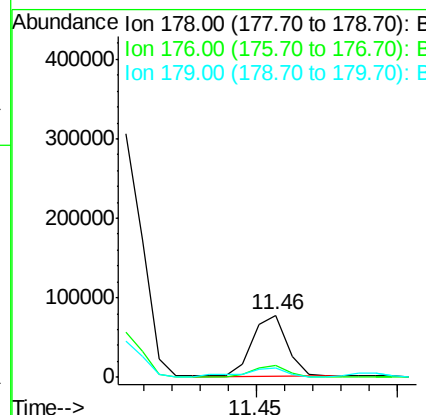
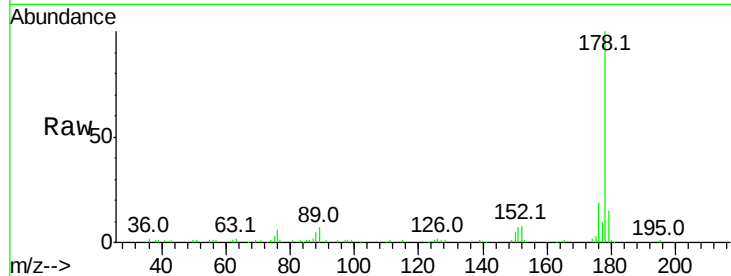
#71
 Anthracene
 Concen: 5.257 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SAU-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	14.9	12.6	19.0

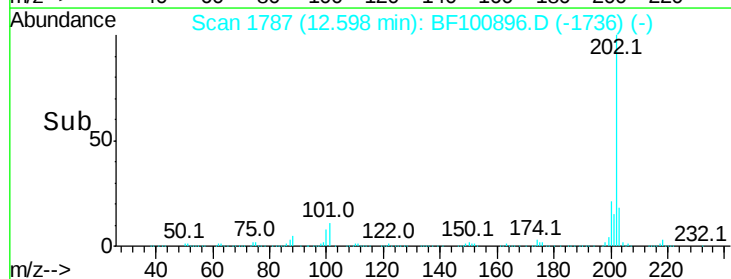
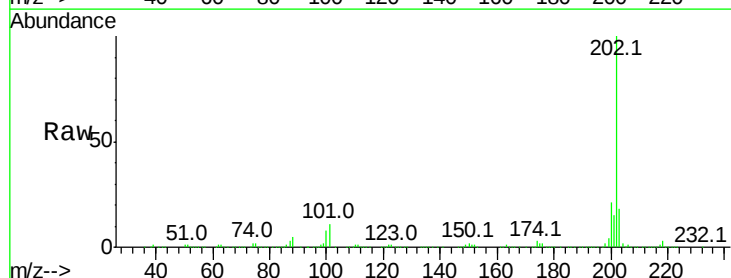
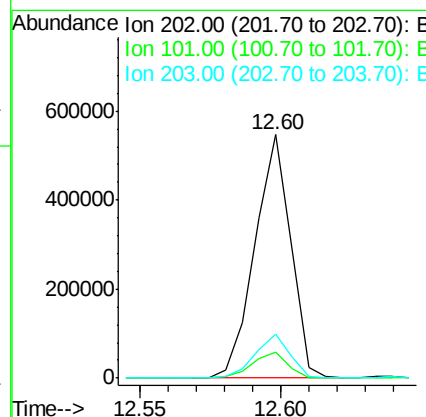
Manual Integrations
 APPROVED

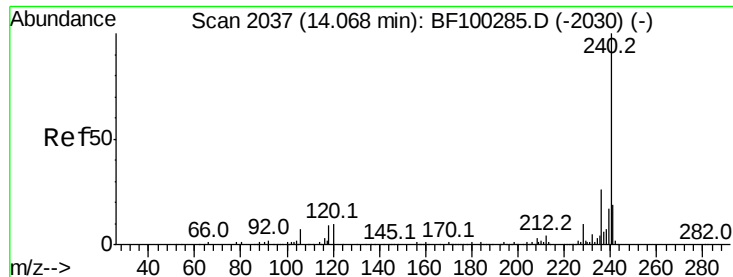
Sohil
 11/28/2017 2:45:36 PM



#74
 Fluoranthene
 Concen: 36.189 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

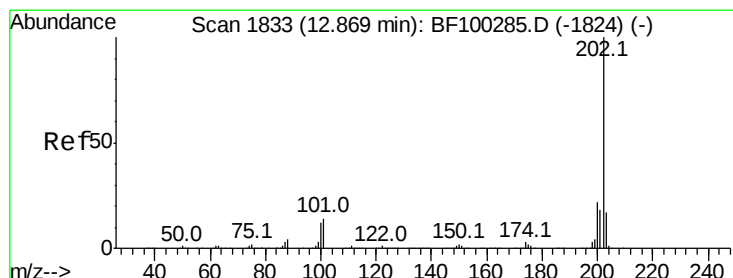
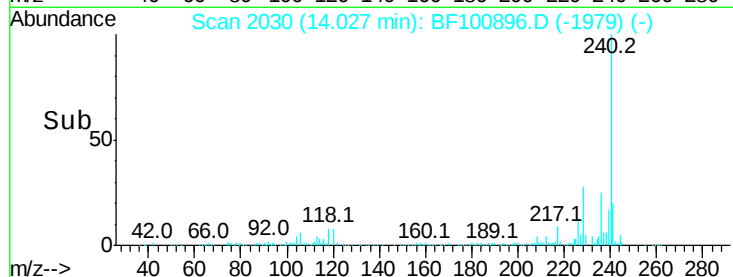
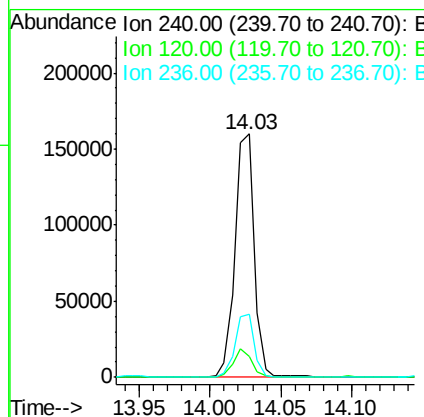
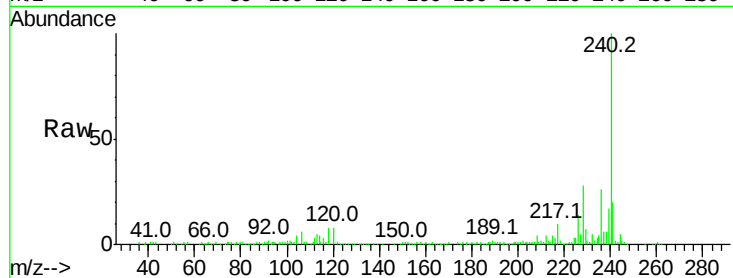
ClientSampleId :

SAU-1-E(3-4)

Tot Ion:	240	Resp:	153322
Ion Ratio	Lower	Upper	
240	100		
120	8.5	9.5	14.3#
236	25.8	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 48.630 ng

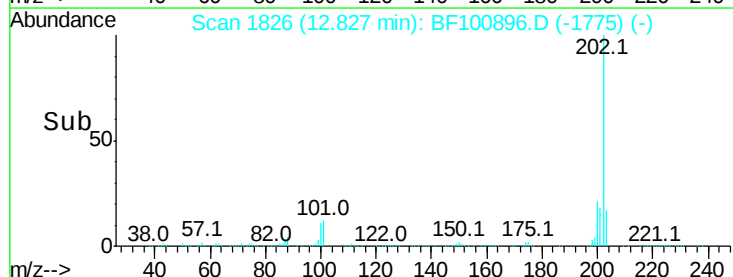
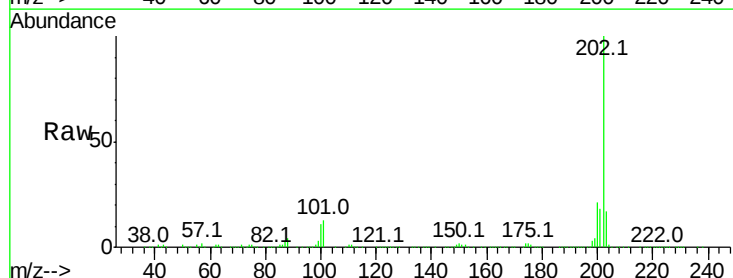
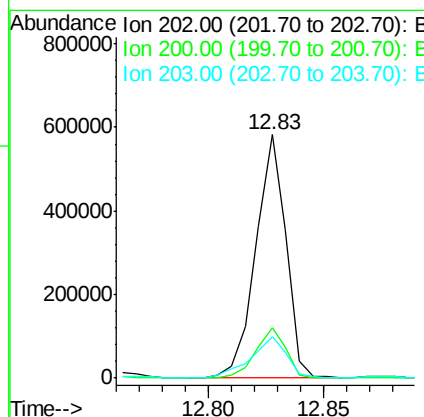
RT: 12.83 min Scan# 1826

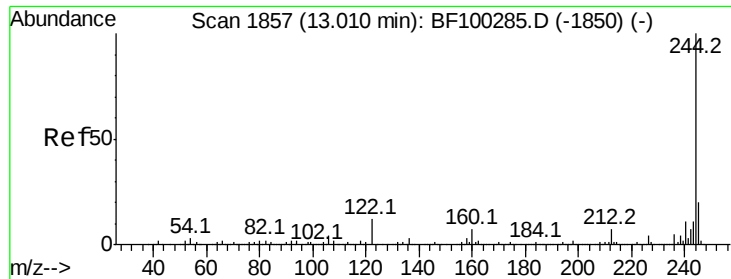
Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Tgt Ion:	202	Resp:	531498
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.2	14.3	21.5





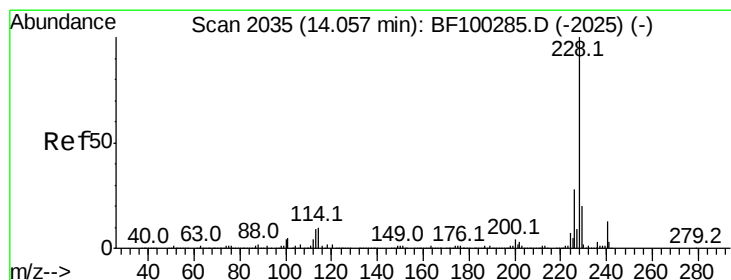
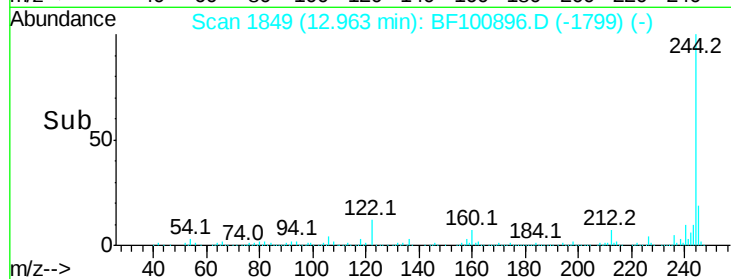
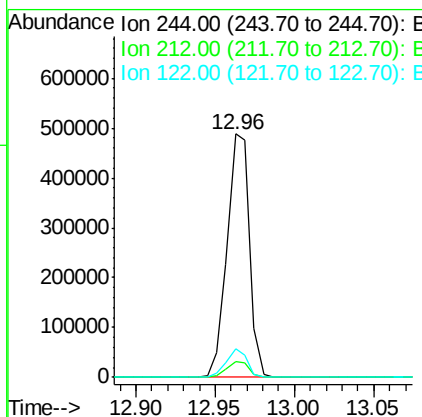
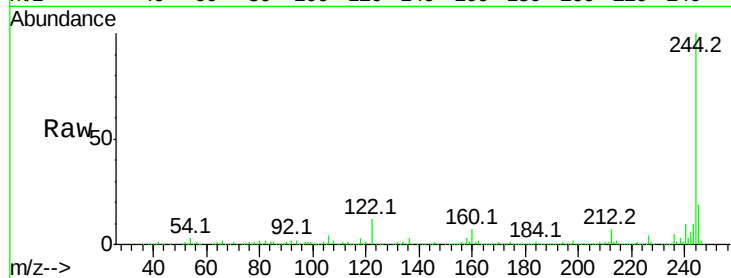
#78
 Terphenyl-d14
 Concen: 71.480 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Instrument :
 BNA_F
 ClientSampleId :
 SAU-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.6	11.0	16.4

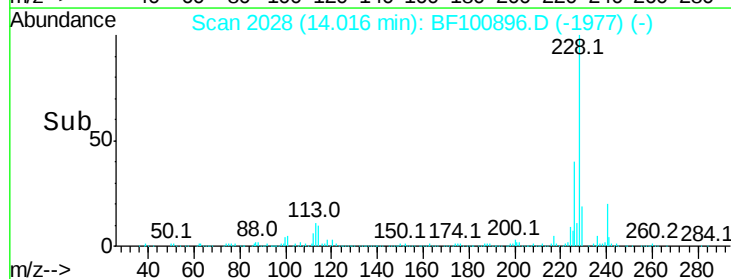
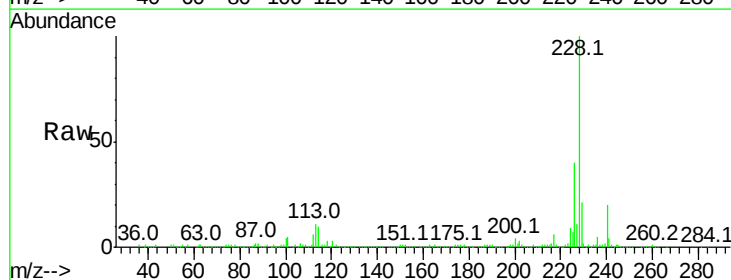
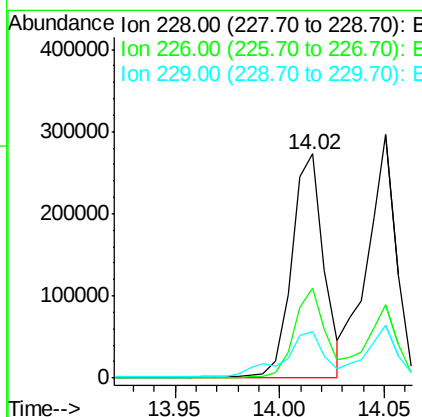
Manual Integrations
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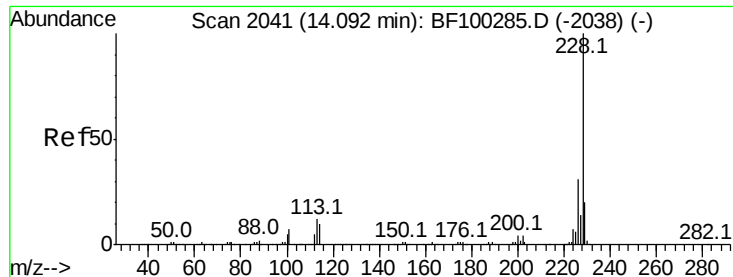
Sohil
 11/28/2017 2:45:36 PM



#80
 Benzo(a)anthracene
 Concen: 31.890 ng m
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF100896.D
 Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.2	22.6	33.8#
229	20.5	15.8	23.6





#82

Chrysene

Concen: 31.662 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Instrument :

BNA_F

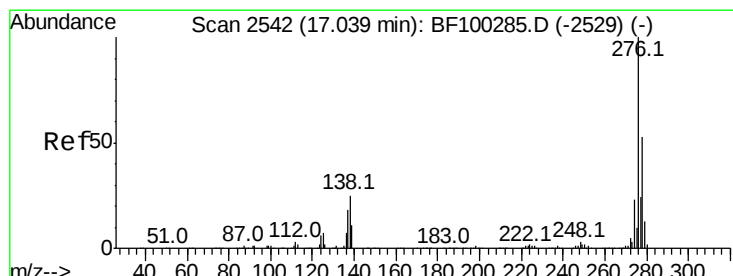
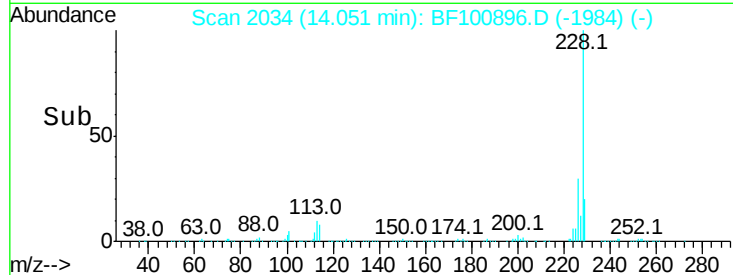
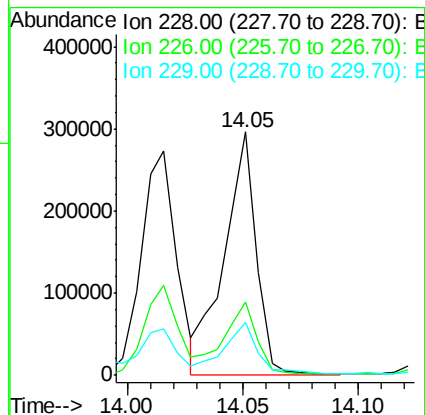
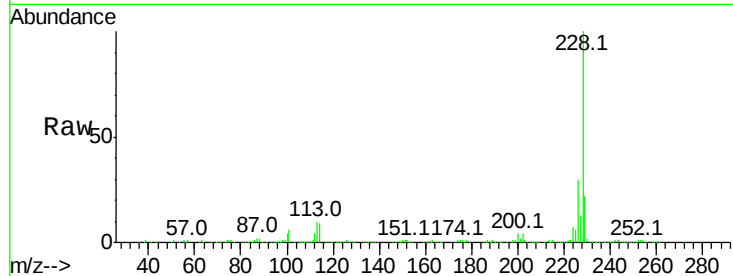
ClientSampled :

SAU-1-E(3-4)

Tot Ion:	228	Resp:	283088
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.7	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 30.136 ng

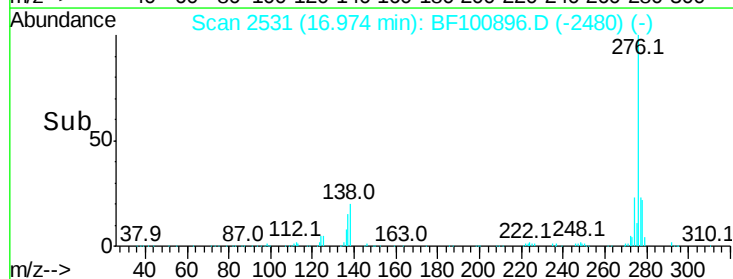
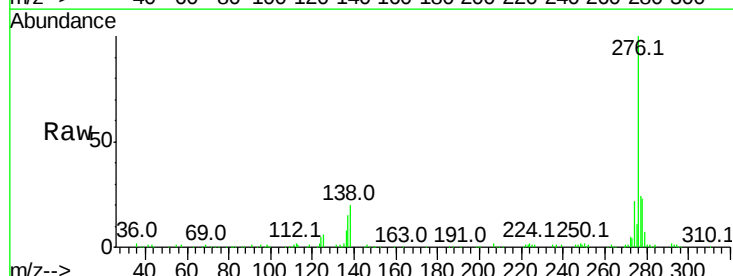
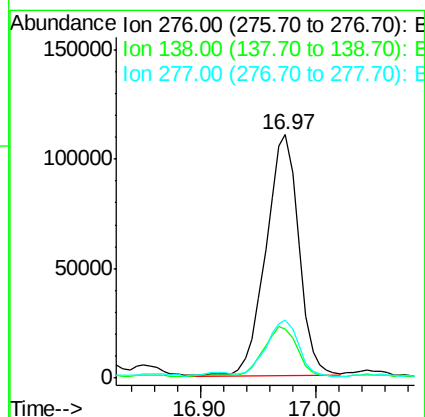
RT: 16.97 min Scan# 2531

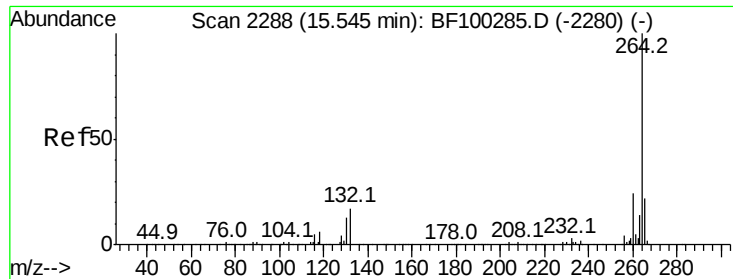
Delta R.T. 0.00 min

Lab File: BF100896.D

Acq: 27 Nov 2017 17:07

Tgt Ion:	276	Resp:	217941
Ion Ratio	Lower	Upper	
276	100		
138	21.8	25.0	37.6#
277	23.2	20.1	30.1





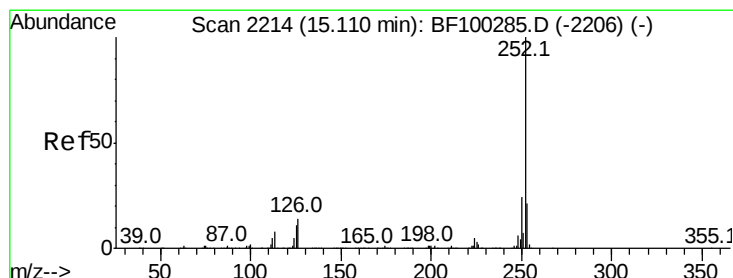
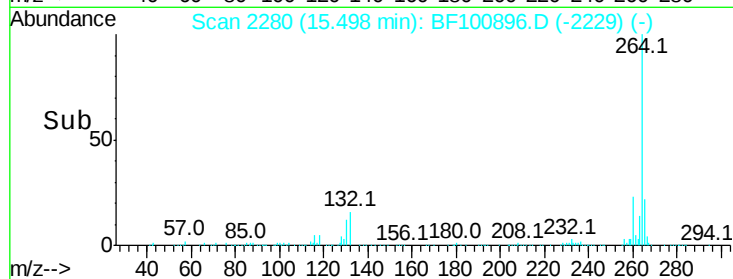
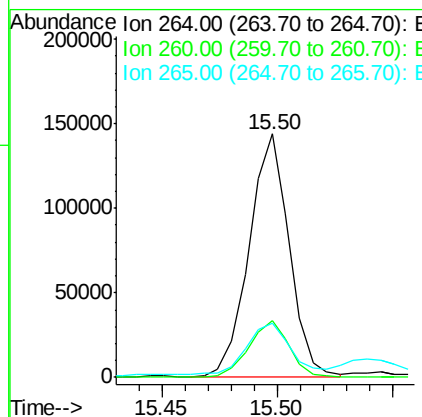
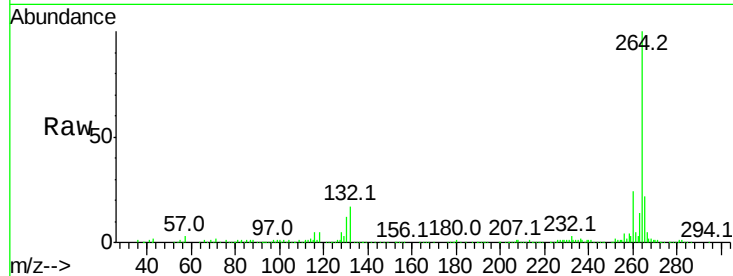
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampled :
SAU-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	17.5	26.3

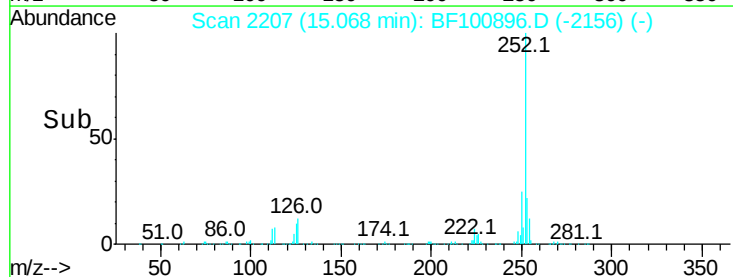
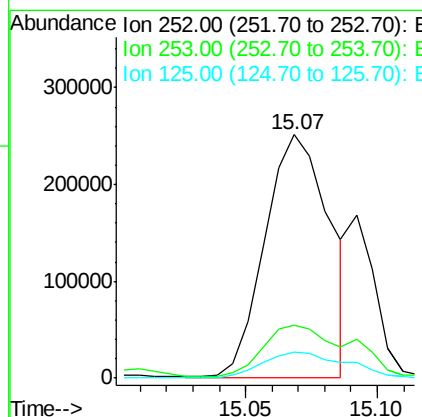
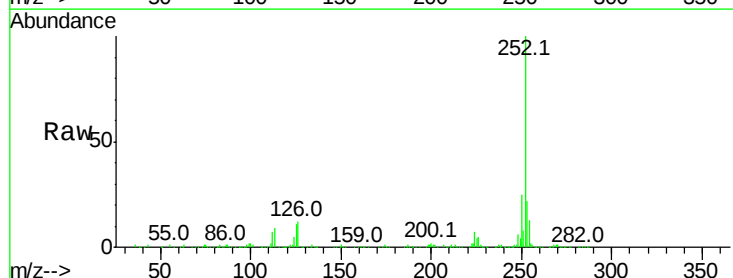
Manual Integrations
APPROVED

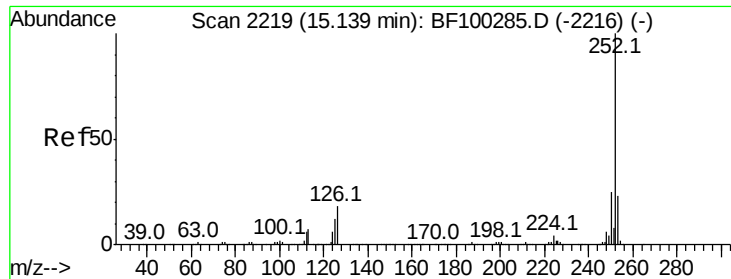
Sohil
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#87
Benzo(b)fluoranthene
Concen: 42.235 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	10.6	9.0	13.6





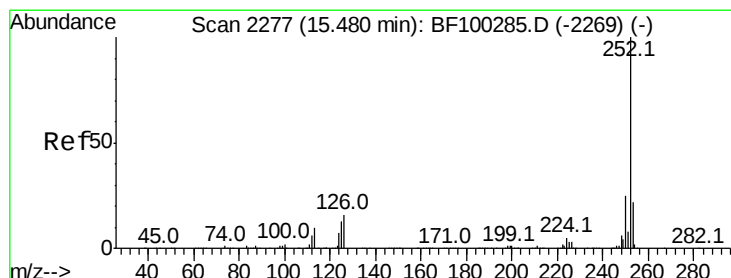
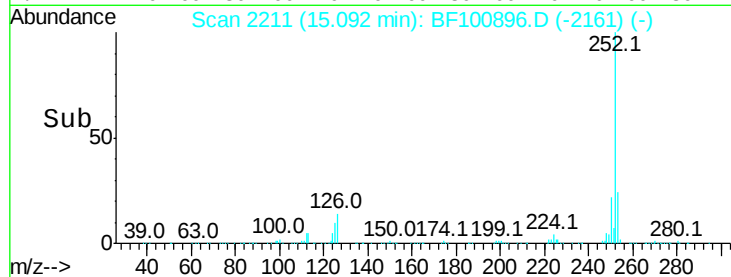
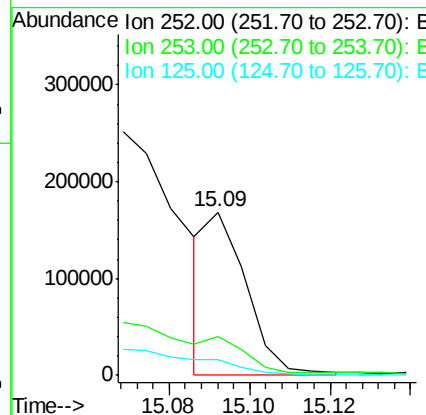
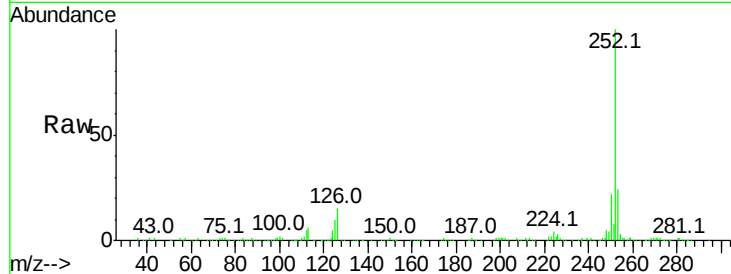
#88
Benzo(k)fluoranthene
Concen: 11.899 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	9.9	10.2	15.2#

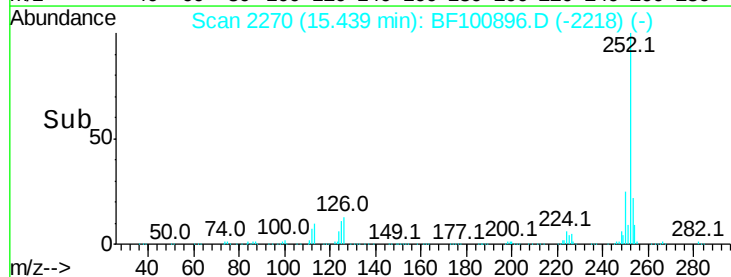
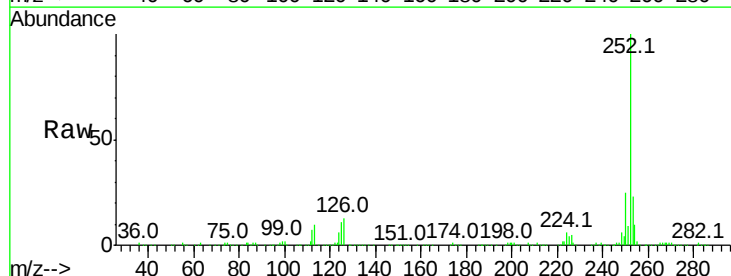
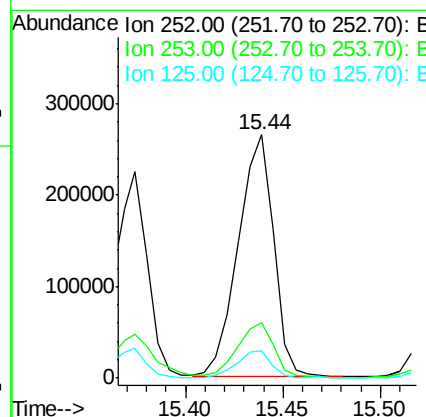
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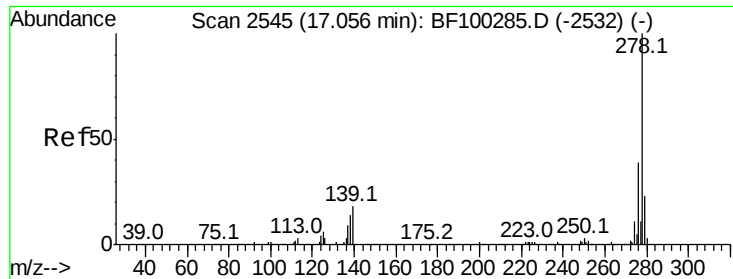
Sohil
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#89
Benzo(a)pyrene
Concen: 36.633 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	11.4	9.8	14.6





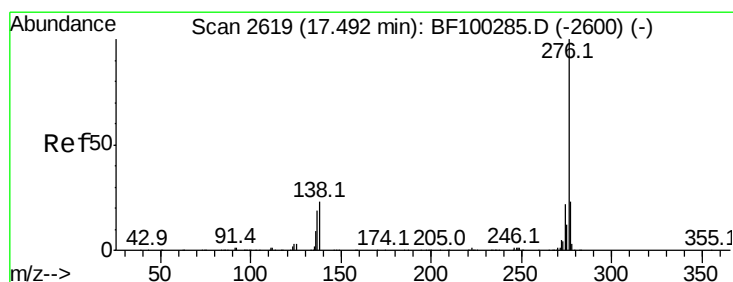
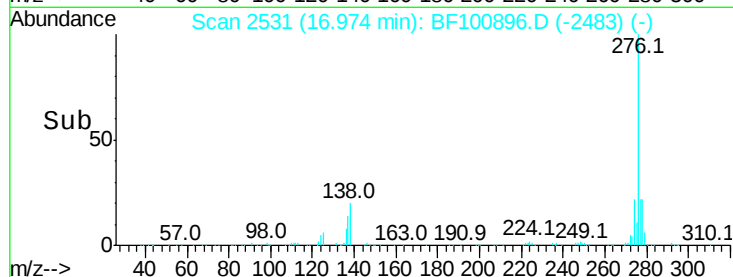
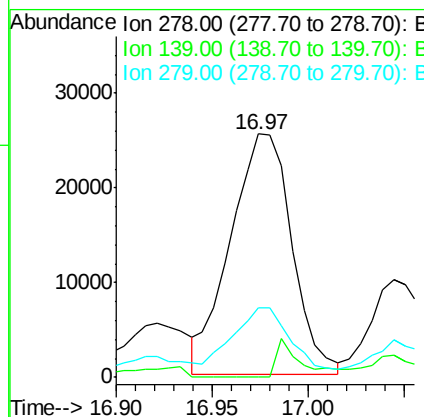
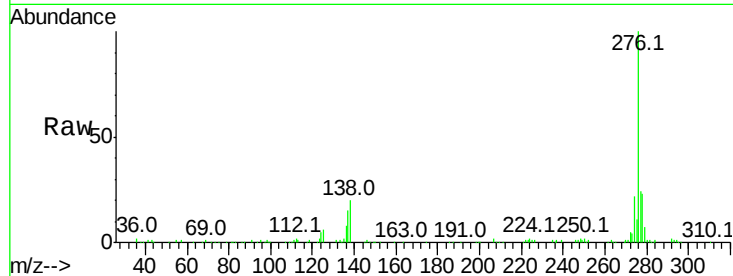
#90
Dibenzo(a,h)anthracene
Concen: 7.611 ng/mL
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Instrument :
BNA_F
ClientSampleId :
SAU-1-E(3-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.5	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 32.627 ng/mL
RT: 17.43 min Scan# 2608
Delta R.T. 0.00 min
Lab File: BF100896.D
Acq: 27 Nov 2017 17:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	22.2	21.8	32.8

