

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112717\
 Data File : BF100900.D
 Acq On : 27 Nov 2017 18:54
 Operator : SJ/JU
 Sample : I6548-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(7-8)

Manual Integrations
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 11/28/2017 2:45:48 PM

Quant Time: Nov 28 06:59:29 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	71932	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	277489	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	124656	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	207696	20.00	ng	0.00
75) Chrysene-d12	14.03	240	146882	20.00	ng	0.00
86) Perylene-d12	15.50	264	145141	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	467608	104.21	ng	0.01
7) Phenol-d6	6.49	99	569971	103.00	ng	0.00
23) Nitrobenzene-d5	7.42	82	345102	82.22	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	136386	107.37	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	679900	83.05	ng	0.00
78) Terphenyl-d14	12.97	244	489660	76.60	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	21774	3.748	ng	98
48) Acenaphthylene	9.76	152	72735	5.611	ng	99
49) Dimethylphthalate	9.60	163	54084	5.682	ng	99
51) Acenaphthene	9.93	154	37585	4.768	ng	99
54) Dibenzofuran	10.10	168	26911	2.436	ng	# 93
57) Fluorene	10.44	166	51592	6.374	ng	98
70) Phenanthrene	11.41	178	706848	64.638	ng	99
71) Anthracene	11.46	178	144516	13.026	ng	99
72) Carbazole	11.61	167	59876	5.849	ng	98
74) Fluoranthene	12.60	202	984509	84.948	ng	97
77) Pyrene	12.83	202	822578	78.563	ng	99
80) Benzo(a)anthracene	14.02	228	426778	48.250	ng	95
82) Chrysene	14.06	228	423748	49.472	ng	98
85) Indeno(1,2,3-cd)pyrene	16.98	276	167694	24.205	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	518435m	60.291	ng	
88) Benzo(k)fluoranthene	15.10	252	158268m	19.480	ng	
89) Benzo(a)pyrene	15.44	252	334968	43.941	ng	96
90) Dibenzo(a,h)anthracene	16.99	278	45311m	7.268	ng	
91) Benzo(a,h,i)perylene	17.43	276	144682	23.708	ng	# 93

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

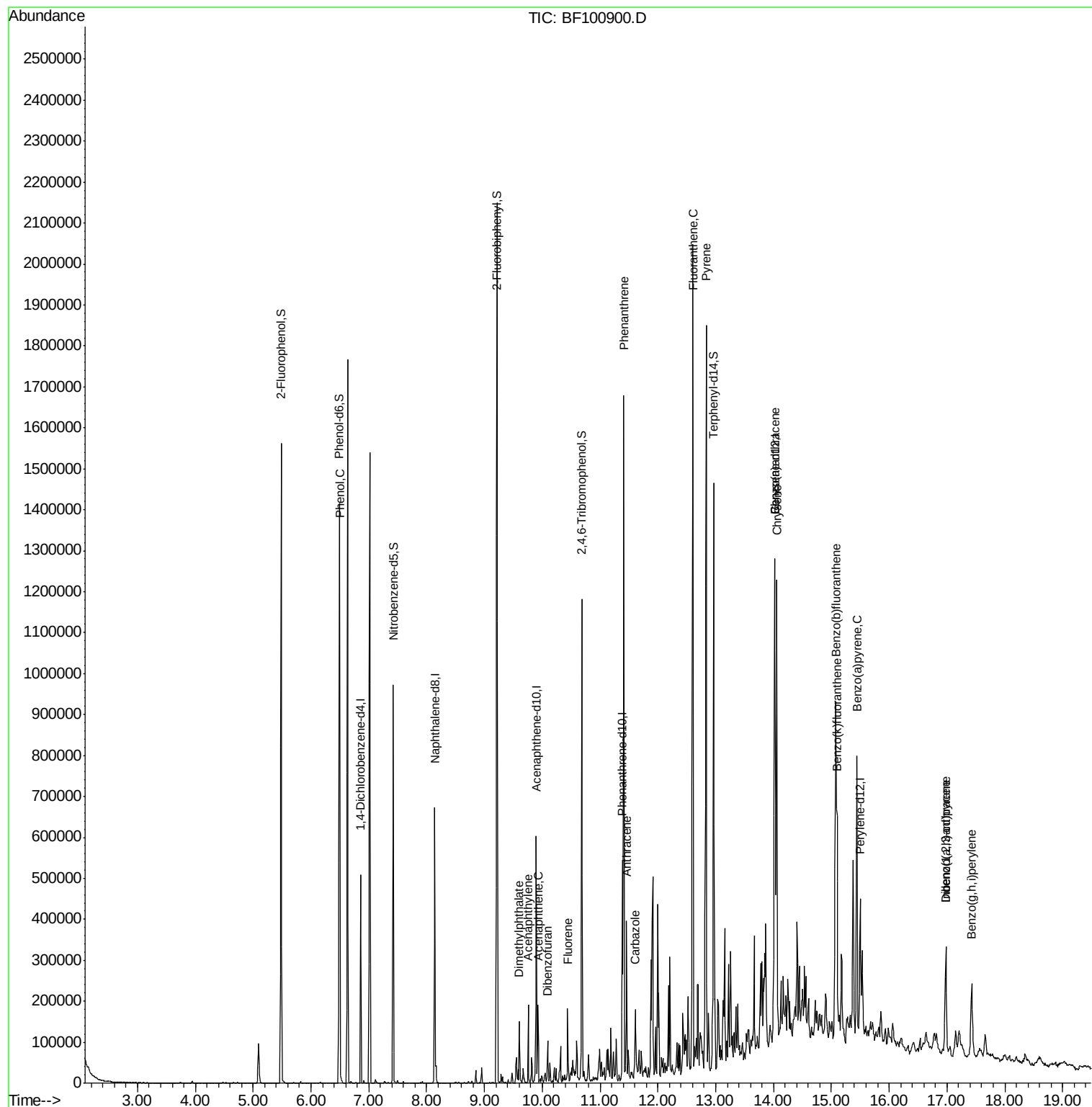
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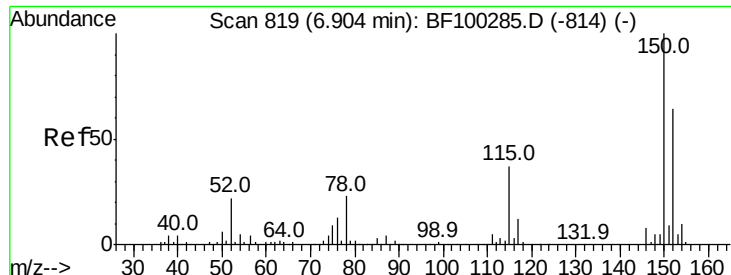
Instrument :
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#1

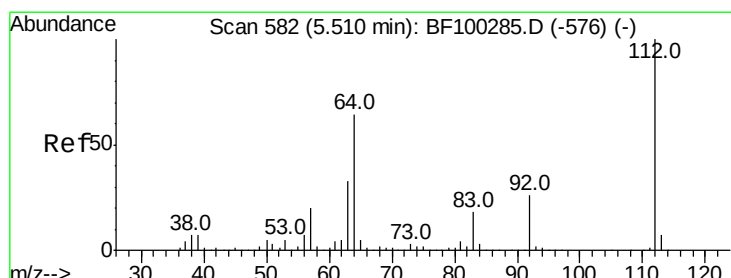
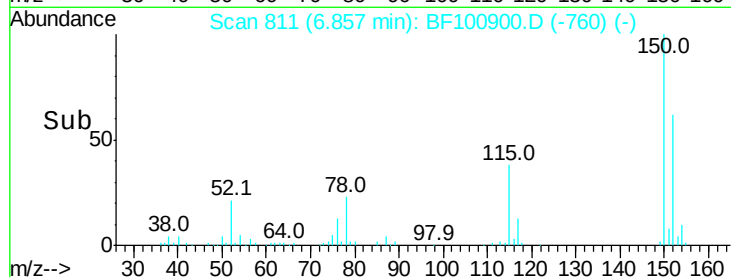
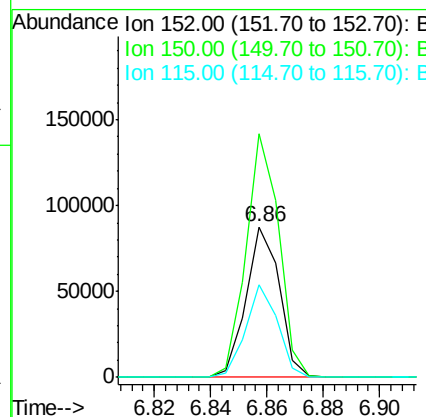
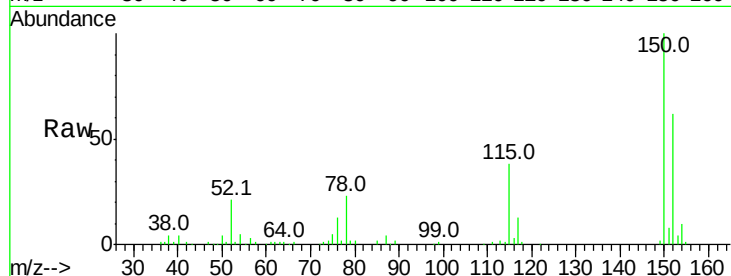
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.6	186.8
115	61.9	50.1	75.1

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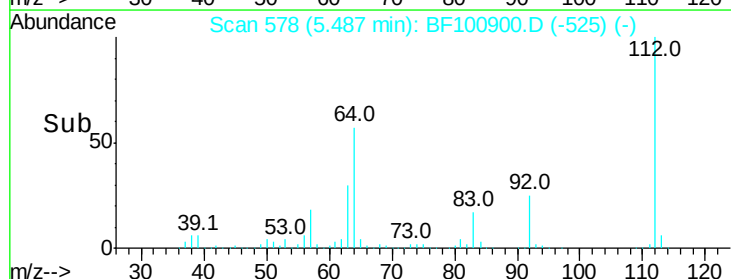
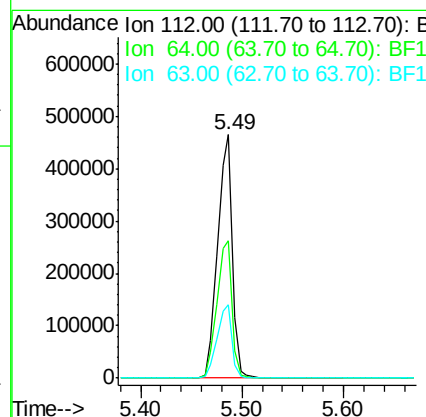
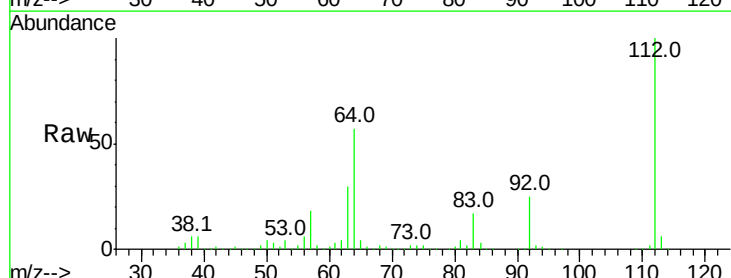
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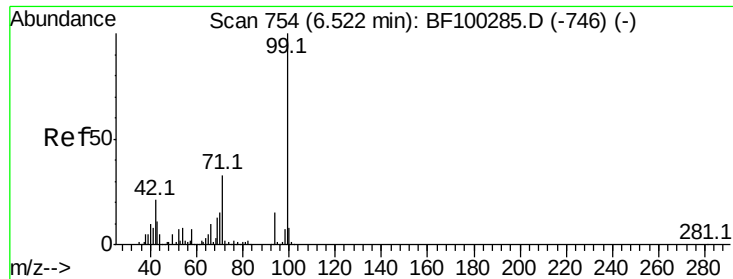


#5

2-Fluorophenol
Concen: 104.205 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 103.003 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF100900.D

Acq: 27 Nov 2017 18:54

Instrument :

BNA_F

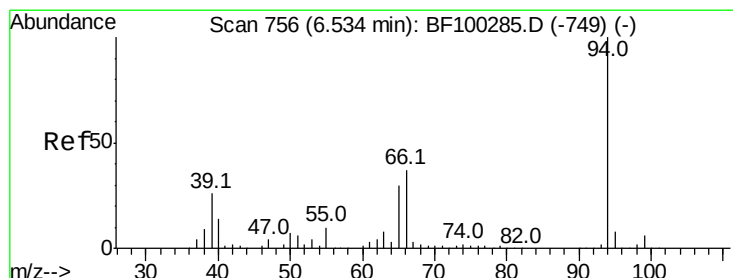
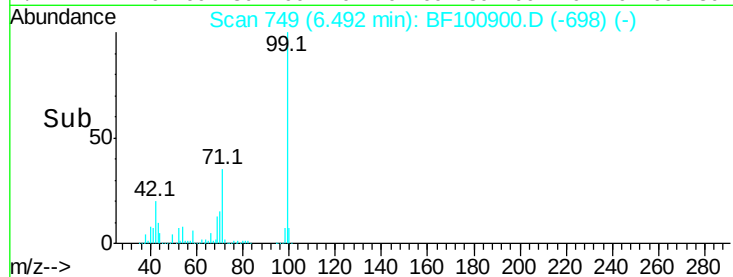
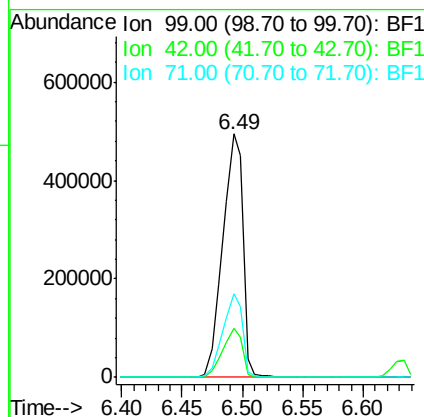
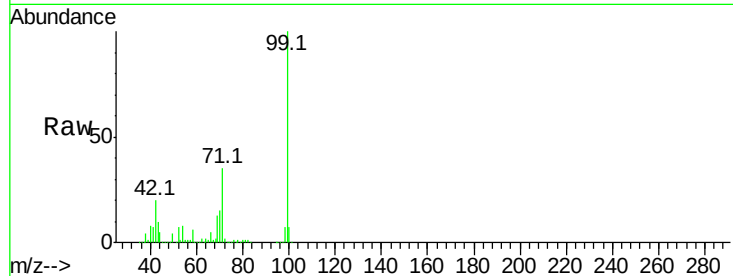
ClientSampleId :

SAU-4-E(7-8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		569971		
42	20.0	14.5	21.7		
71	34.5	25.4	38.0		

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#10

Phenol

Concen: 3.748 ng

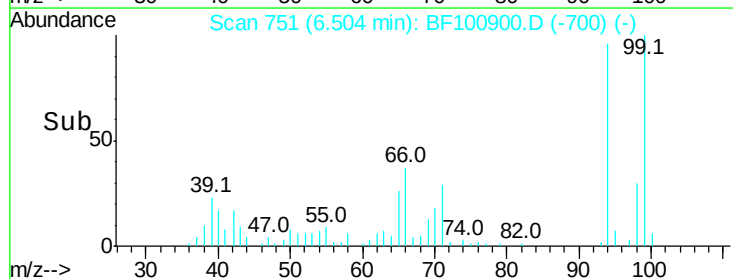
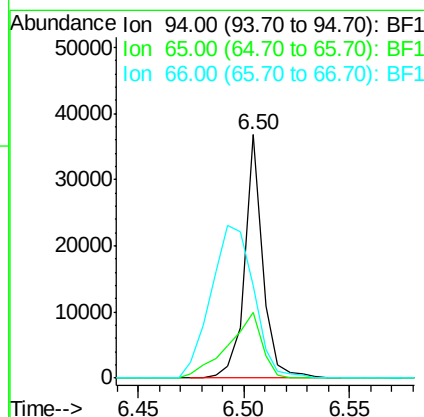
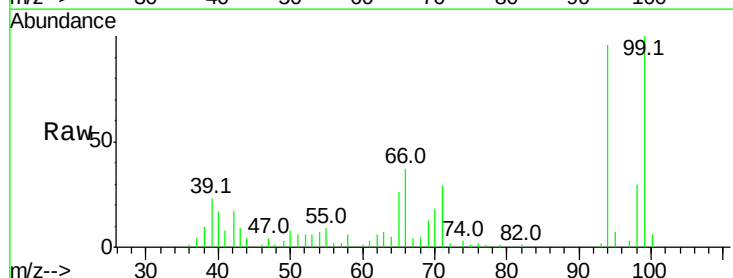
RT: 6.50 min Scan# 751

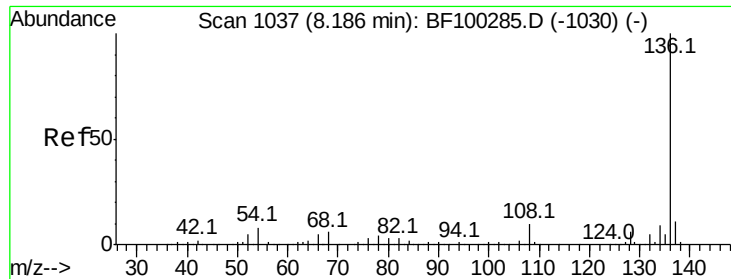
Delta R.T. 0.00 min

Lab File: BF100900.D

Acq: 27 Nov 2017 18:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		21774		
65	27.2	7.9	47.9		
66	38.0	16.2	56.2		





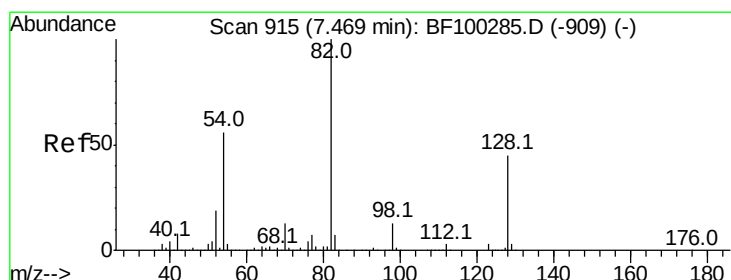
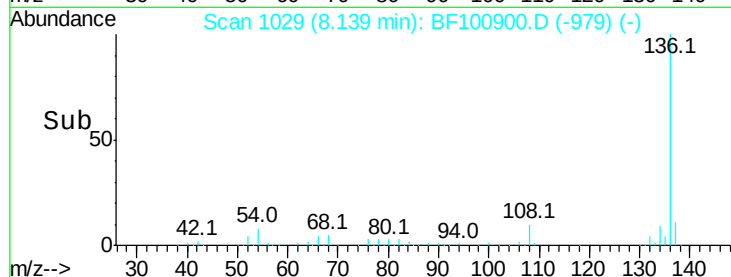
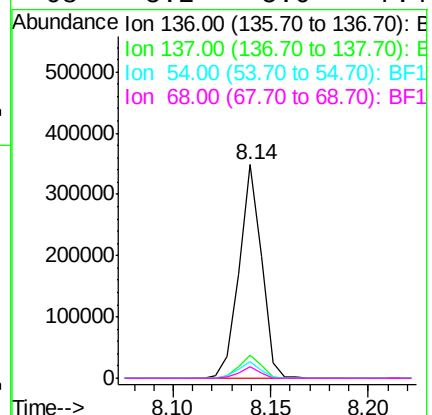
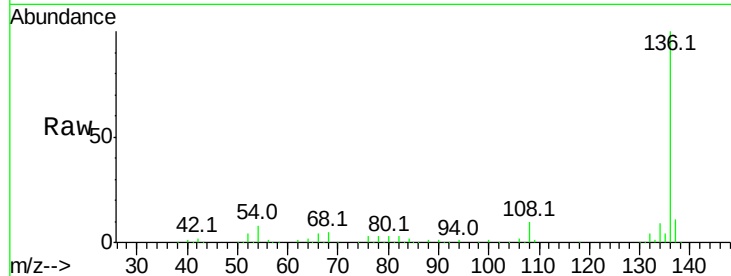
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	7.7	6.6	9.8	
68	5.2	5.0	7.4	

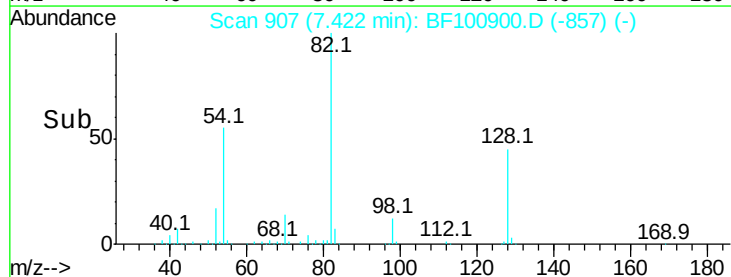
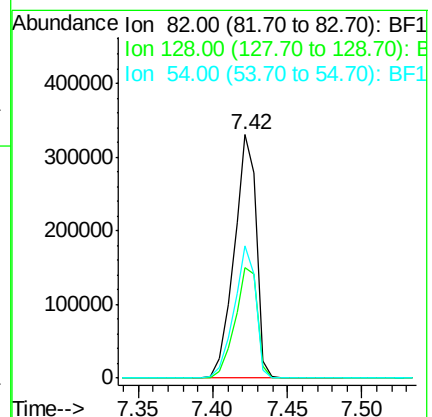
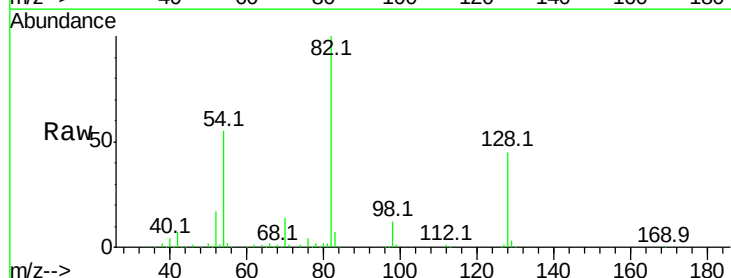
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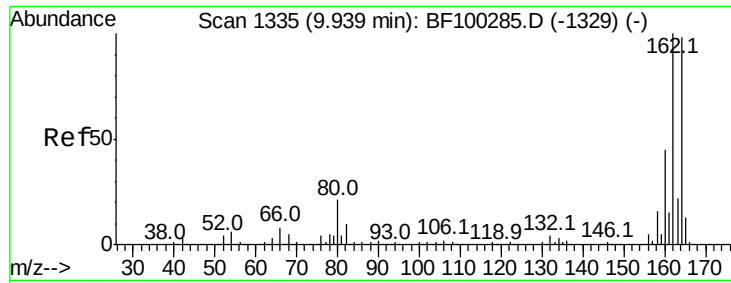
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#23
Nitrobenzene-d5
Concen: 82.223 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	36.1	54.1	
54	54.6	41.4	62.2	





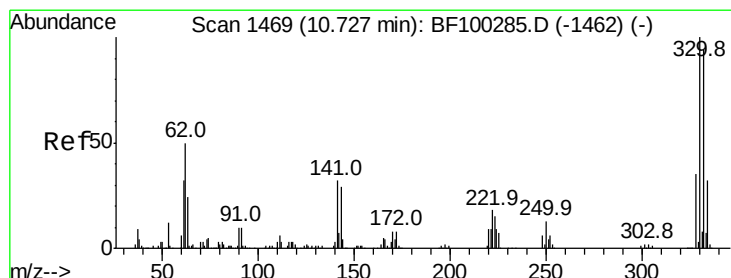
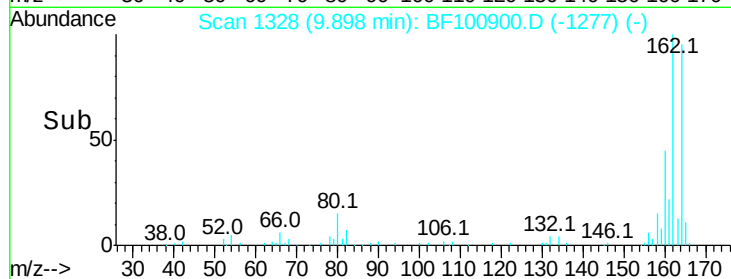
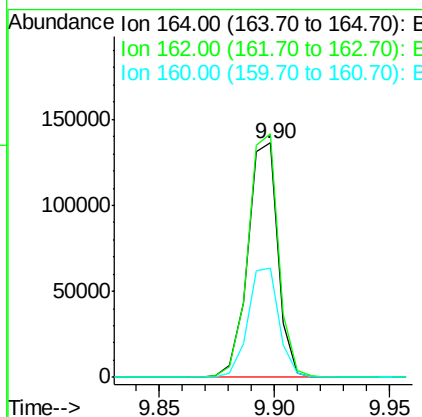
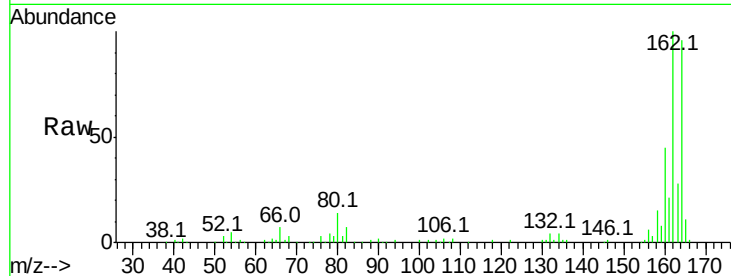
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF100900.D
 Acq: 27 Nov 2017 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	46.6	38.3	57.5

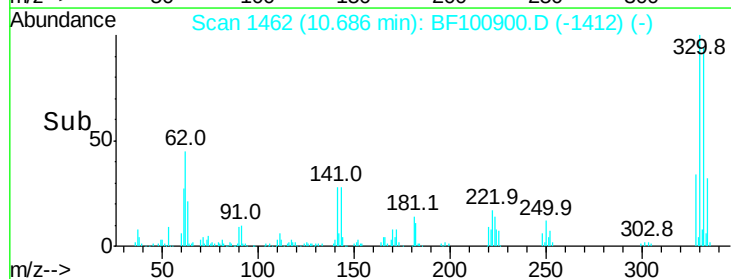
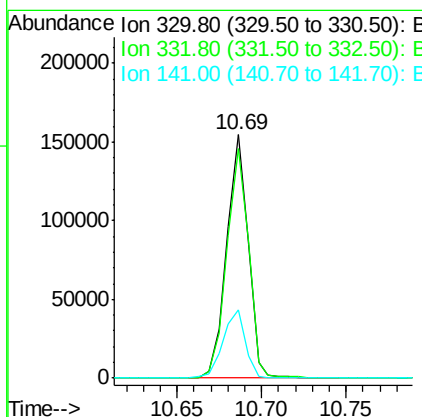
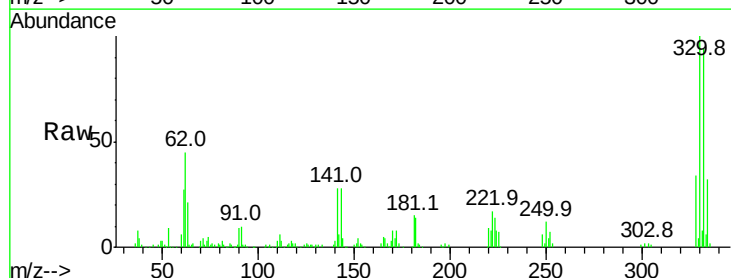
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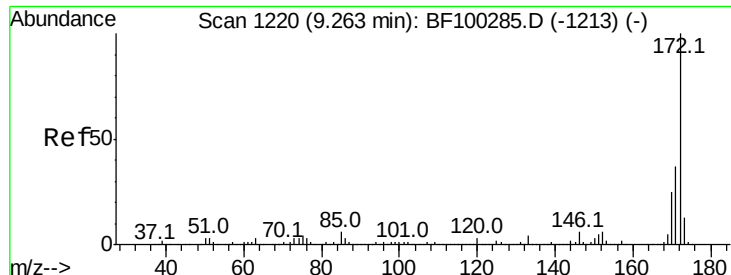
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#41
 2,4,6-Tribromophenol
 Concen: 107.370 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF100900.D
 Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	30.0	29.9	44.9





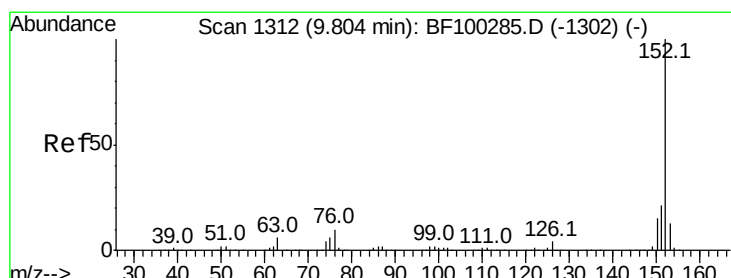
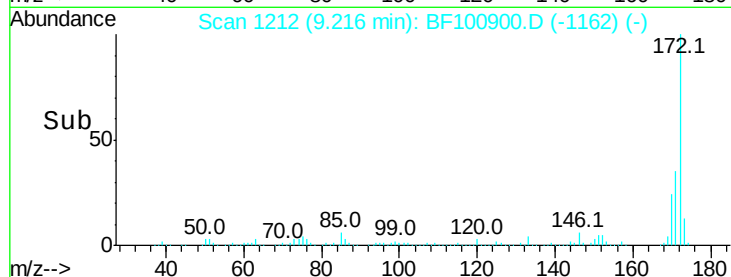
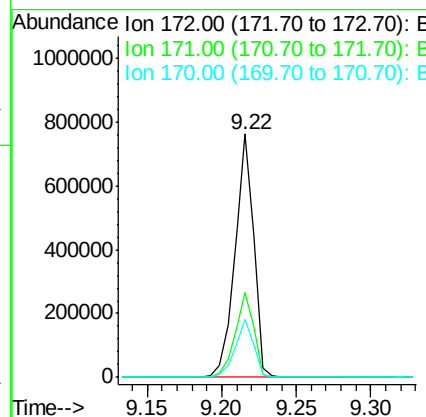
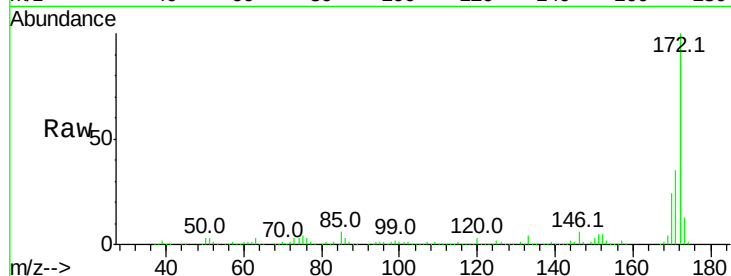
#44
2-Fluorobiphenyl
Concen: 83.052 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	679900		
171	35.1	29.7	44.5	
170	23.7	19.6	29.4	

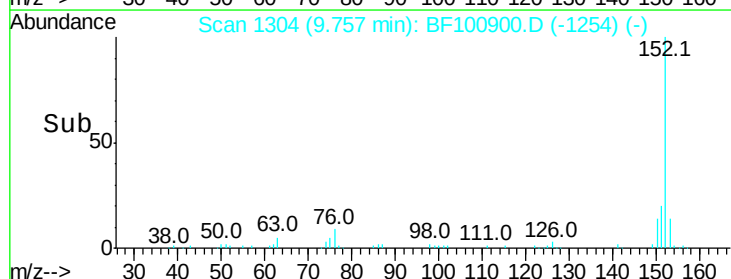
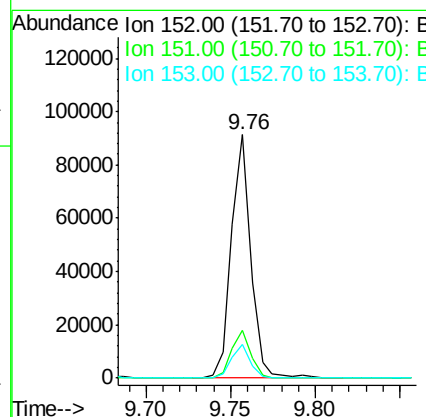
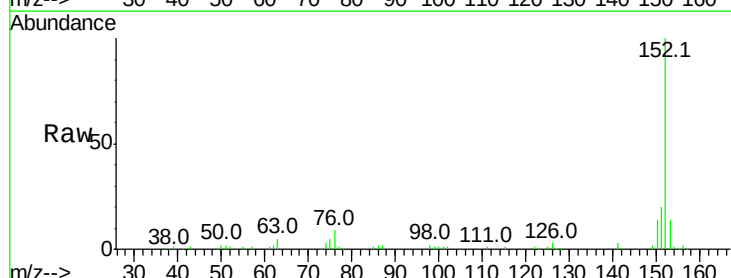
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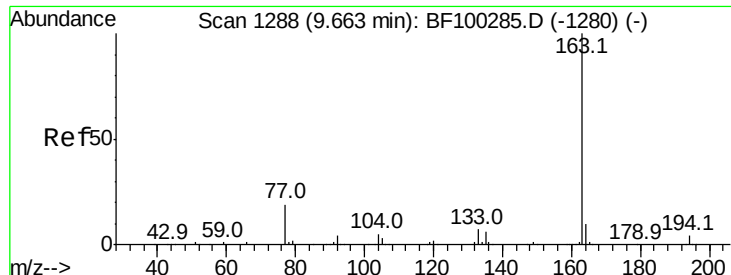
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#48
Acenaphthylene
Concen: 5.611 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	72735		
151	19.7	16.3	24.5	
153	13.8	10.7	16.1	





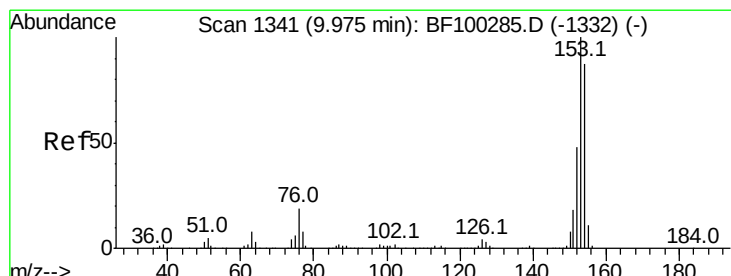
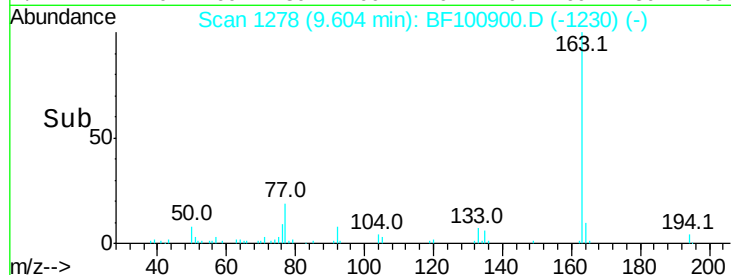
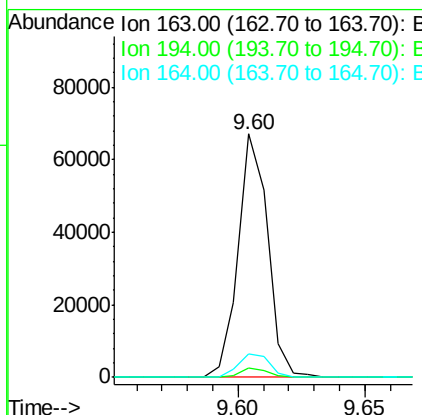
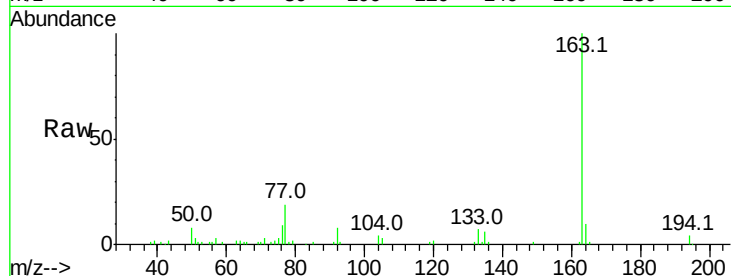
#49
Dimethylphthalate
Concen: 5.682 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

Tot Ion:	163	Resp:	54084
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	9.6	8.2	12.2

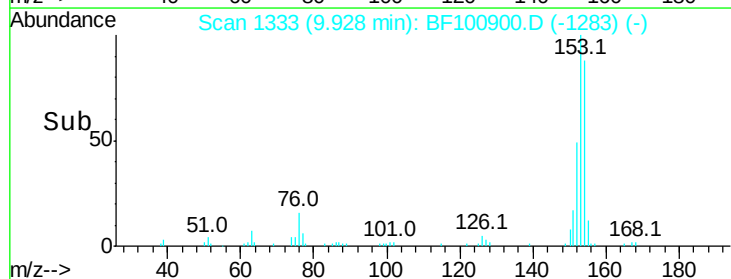
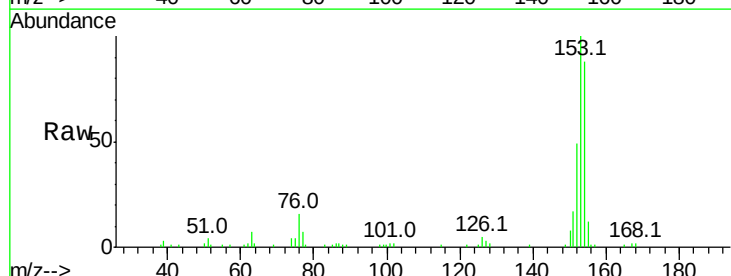
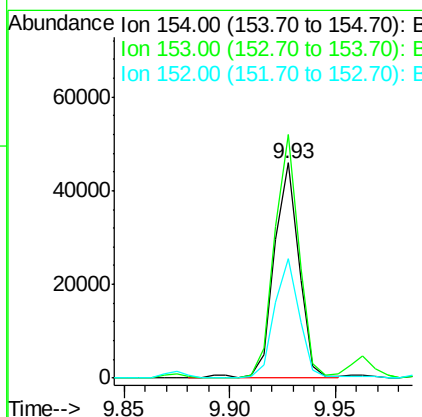
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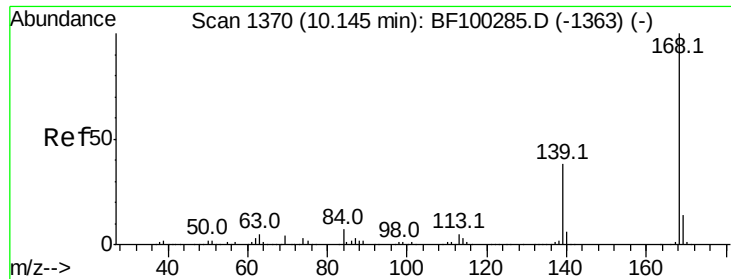
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#51
Acenaphthene
Concen: 4.768 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Tgt Ion:	154	Resp:	37585
Ion Ratio	Lower	Upper	
154	100		
153	113.3	91.2	136.8
152	55.5	43.8	65.8





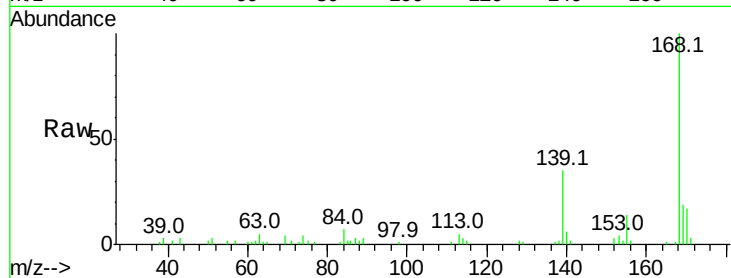
#54
Dibenzenofuran
Concen: 2.436 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

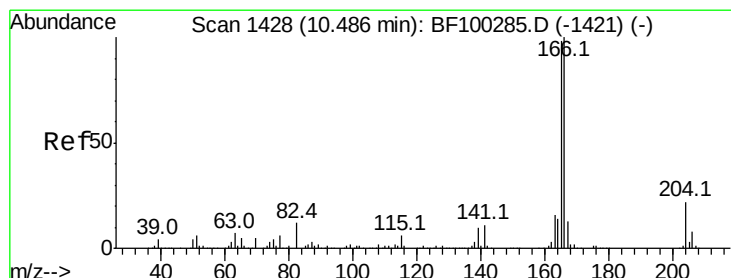
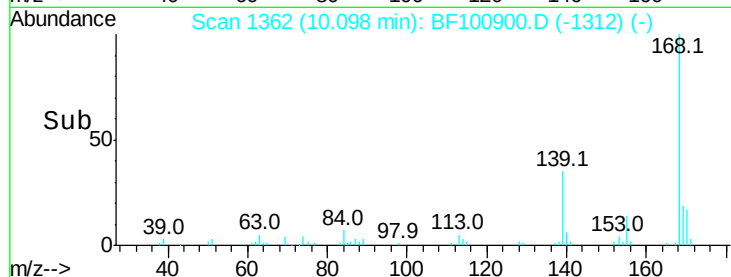
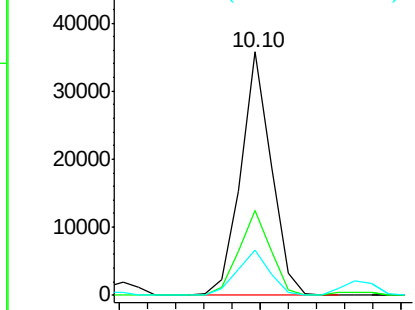
Tot Ion	Ratio	Resp	Lower	Upper
168	100	26911		
139	34.8		30.1	45.1
169	18.6		10.9	16.3#

Manual Integrations
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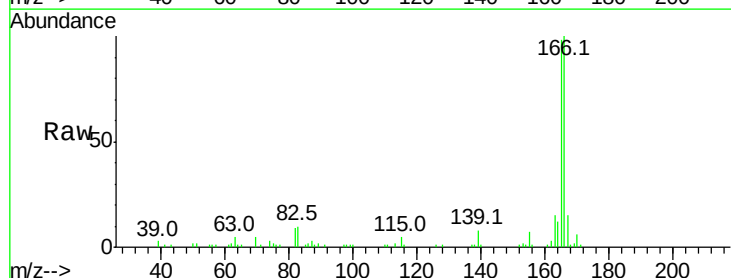


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

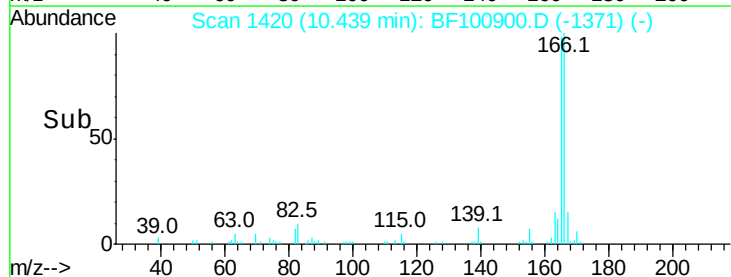
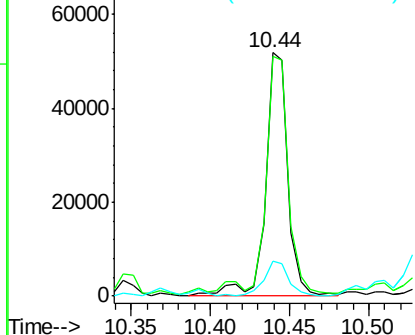


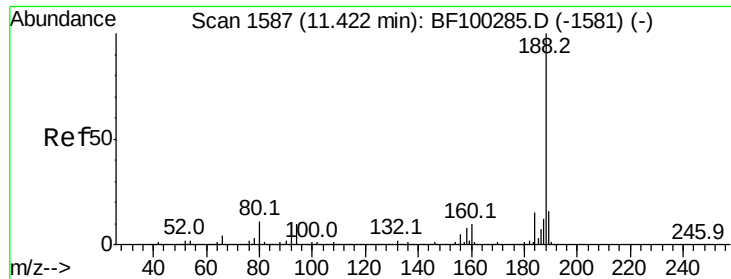
#57
Fluorene
Concen: 6.374 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	51592		
165	98.3		79.8	119.8
167	14.5		10.6	16.0



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. 0.00 min

Lab File: BF100900.D

Acq: 27 Nov 2017 18:54

Instrument :

BNA_F

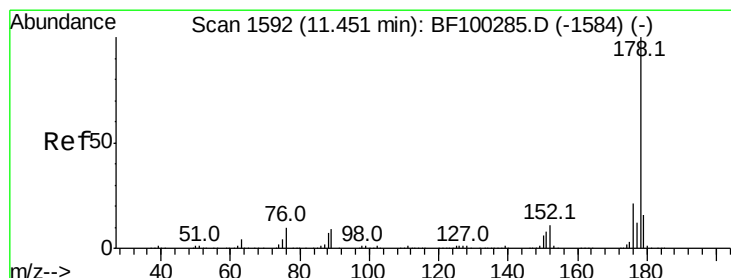
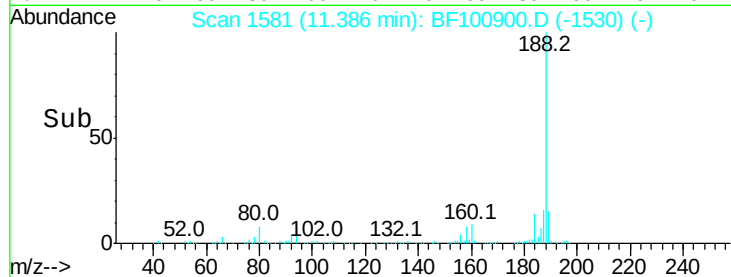
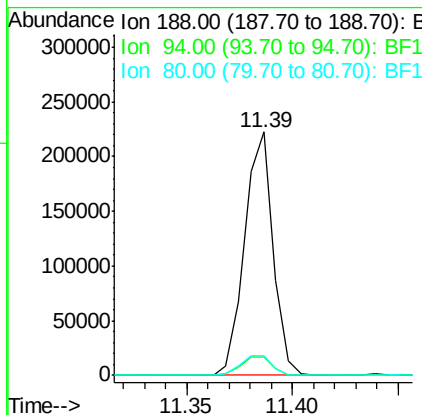
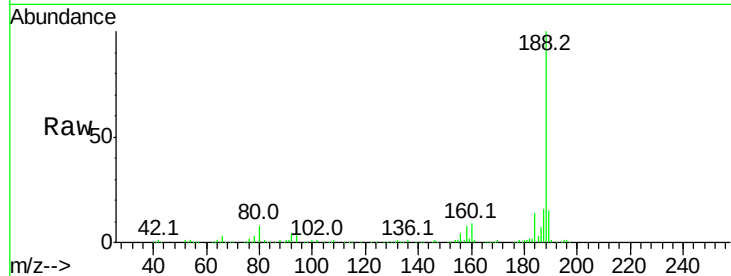
ClientSampleId :

SAU-4-E(7-8)

Tot Ion:188	Resp:	207696
Ion Ratio	Lower	Upper
188 100		
94 7.3	8.5	12.7#
80 8.1	9.2	13.8#

Manual Integrations
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Sohil
11/28/2017 2:45:48 PM



#70

Phenanthrene

Concen: 64.638 ng

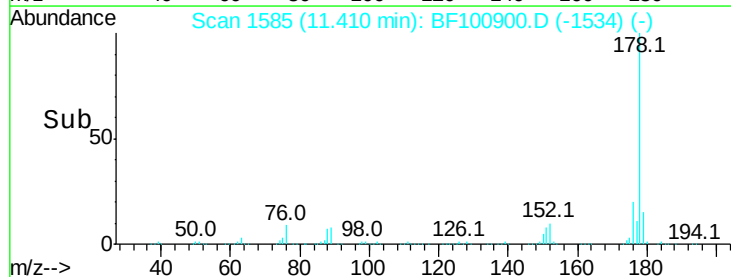
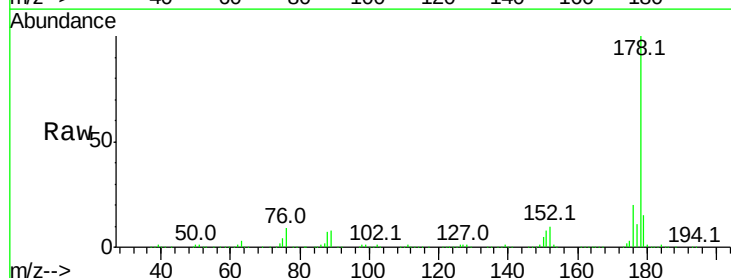
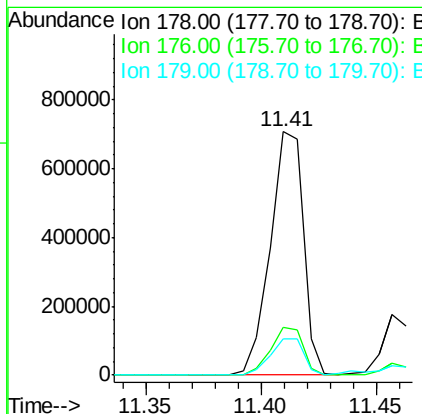
RT: 11.41 min Scan# 1585

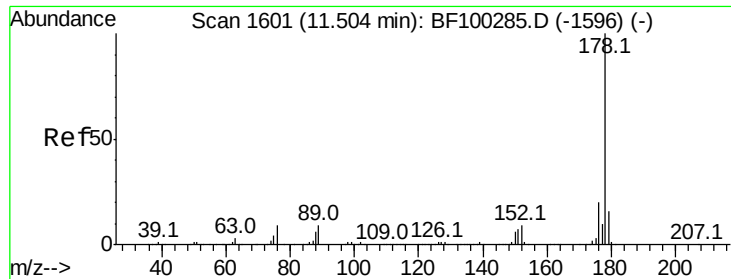
Delta R.T. 0.00 min

Lab File: BF100900.D

Acq: 27 Nov 2017 18:54

Tgt Ion:178	Resp:	706848
Ion Ratio	Lower	Upper
178 100		
176 19.6	15.8	23.8
179 15.1	13.0	19.6





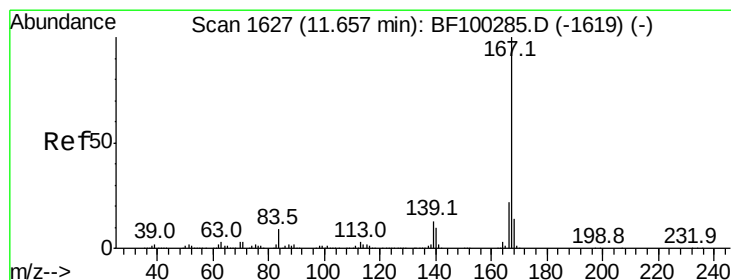
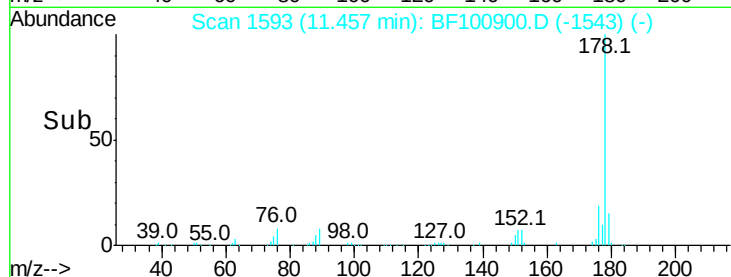
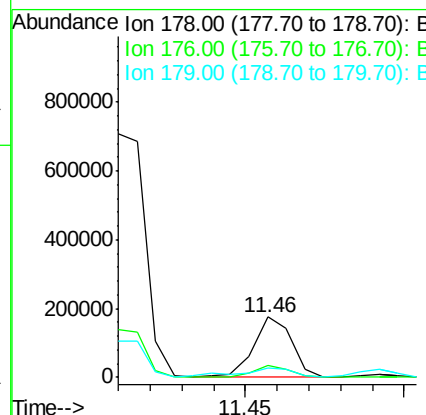
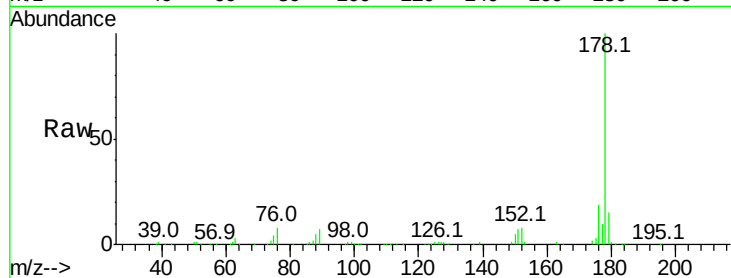
#71
 Anthracene
 Concen: 13.026 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF100900.D
 Acq: 27 Nov 2017 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	14.9	12.6	19.0

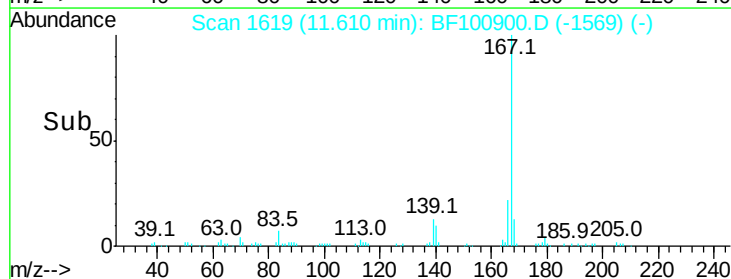
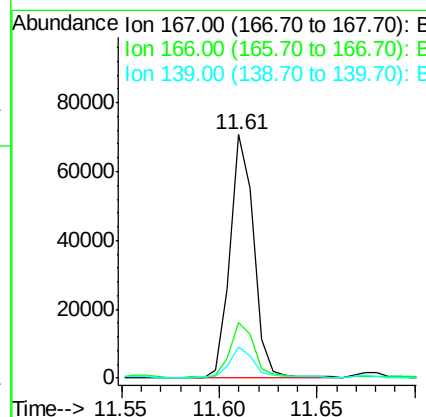
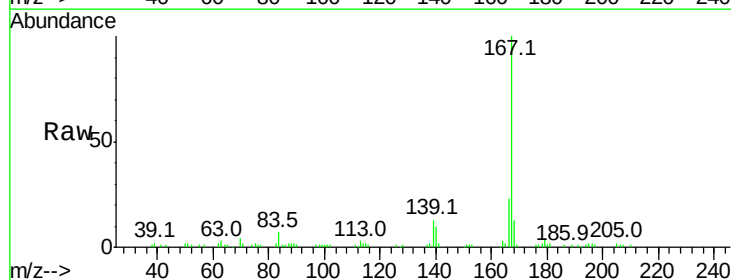
Manual Integrations
 APPROVED

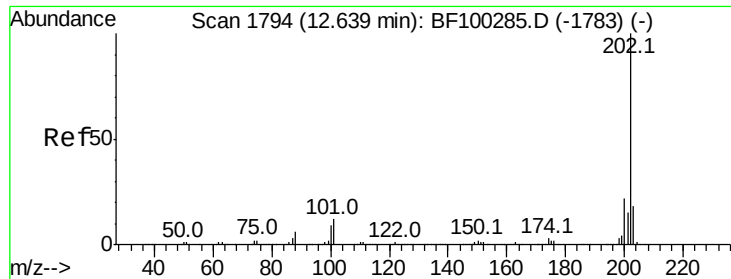
Sohil
 11/28/2017 2:45:48 PM



#72
 Carbazole
 Concen: 5.849 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF100900.D
 Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	12.7	10.9	16.3





#74

Fluoranthene

Concen: 84.948 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF100900.D

Acq: 27 Nov 2017 18:54

Instrument :

BNA_F

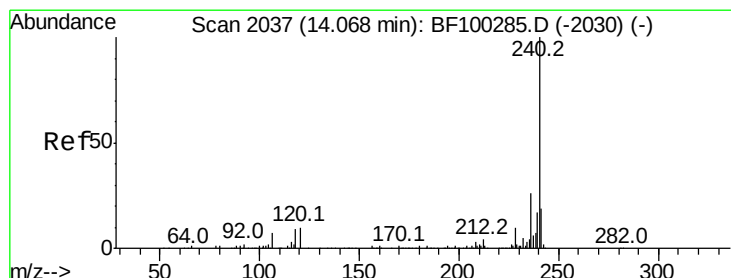
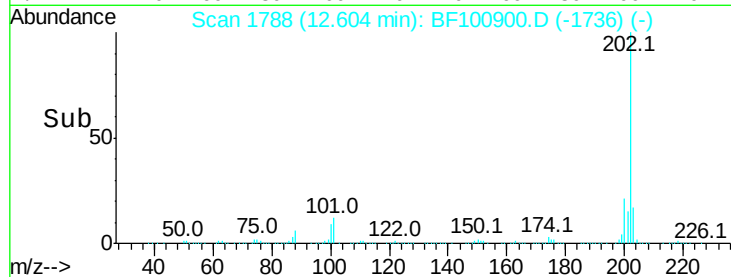
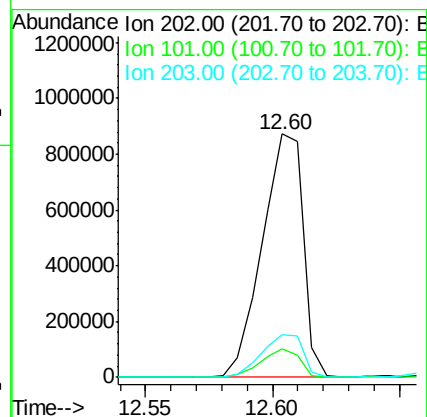
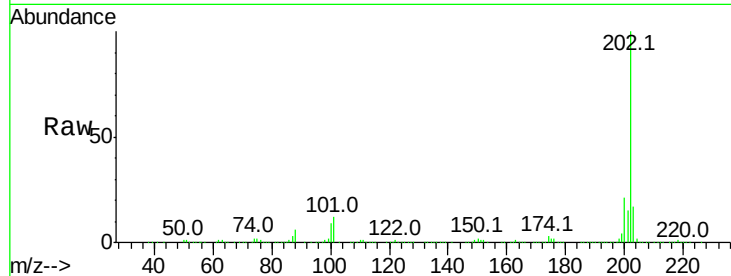
ClientSampleId :

SAU-4-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	984509		
101	12.0		0.0	34.1
203	17.5		0.0	38.1

Manual Integrations
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11/28/2017 2:45:48 PM



#75

Chrysene-d12

Concen: 20.000 ng

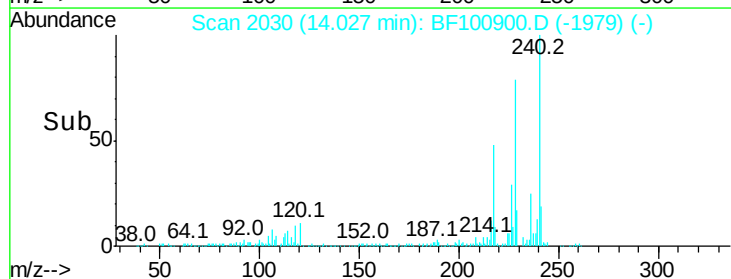
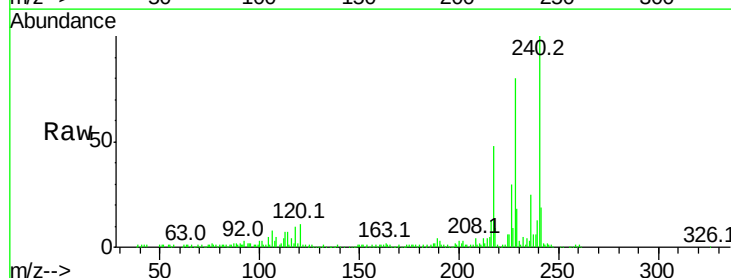
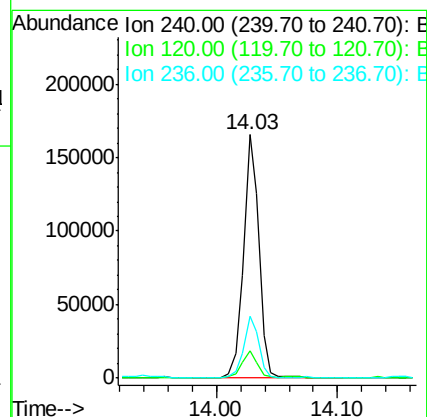
RT: 14.03 min Scan# 2030

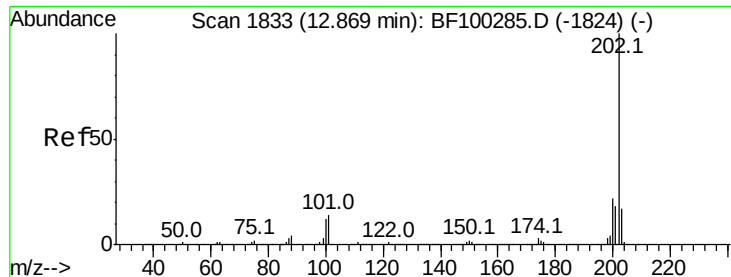
Delta R.T. 0.00 min

Lab File: BF100900.D

Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	146882		
120	11.2		9.5	14.3
236	25.2		20.7	31.1





#77

Pvrene

Concen: 78.563 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF100900.D

Acq: 27 Nov 2017 18:54

Instrument :

BNA_F

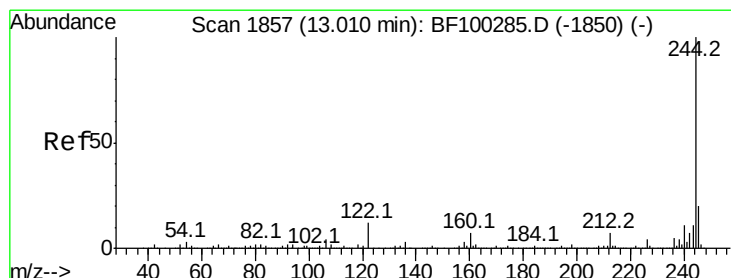
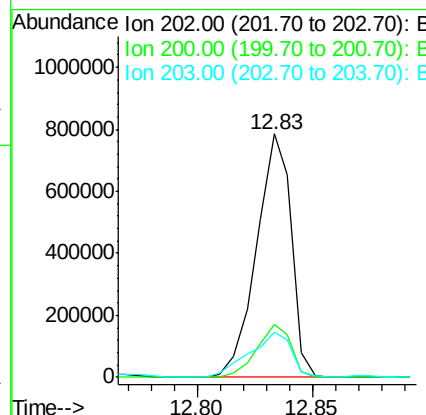
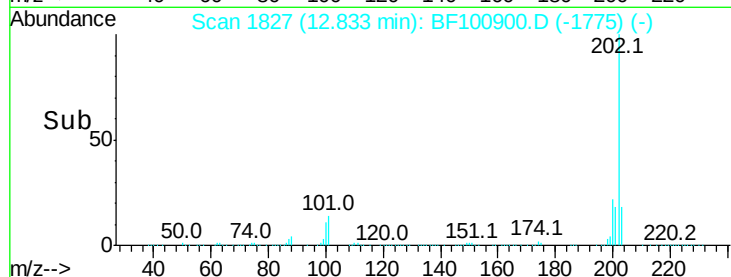
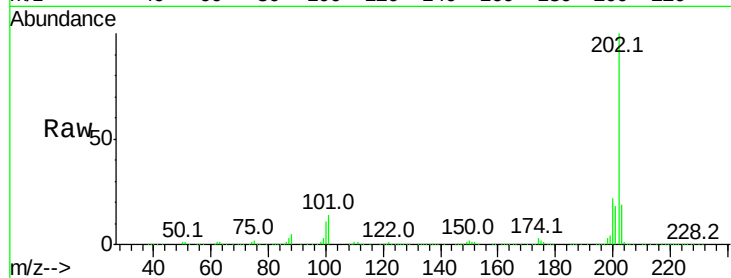
ClientSampled :

SAU-4-E(7-8)

Tot Ion:	202	Resp:	822578
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.5	14.3	21.5

Manual Integrations
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Sohil
11/28/2017 2:45:48 PM



#78

Terphenyl-d14

Concen: 76.599 ng

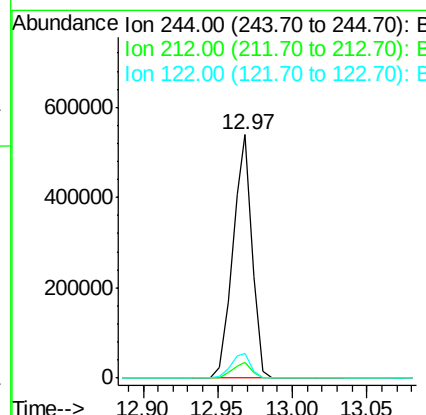
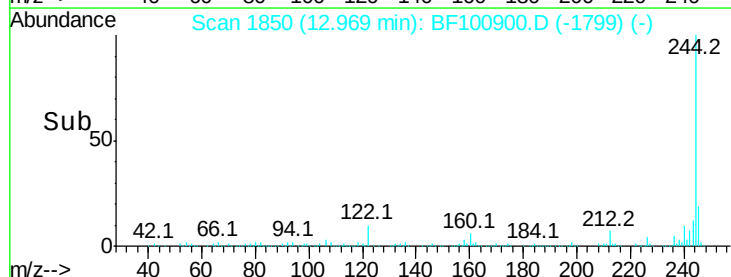
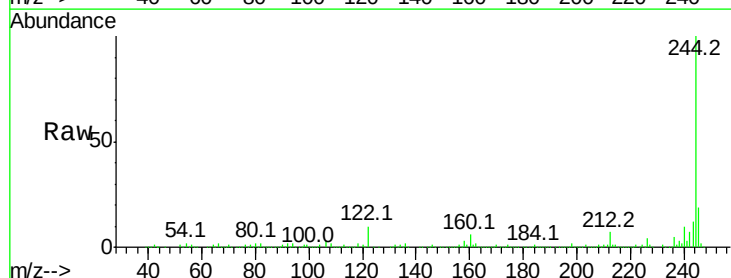
RT: 12.97 min Scan# 1850

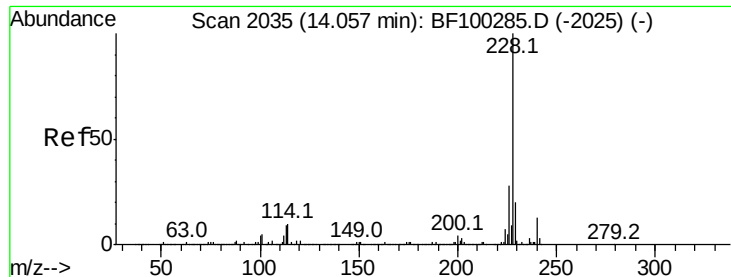
Delta R.T. 0.00 min

Lab File: BF100900.D

Acq: 27 Nov 2017 18:54

Tgt Ion:	244	Resp:	489660
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	10.4	11.0	16.4#





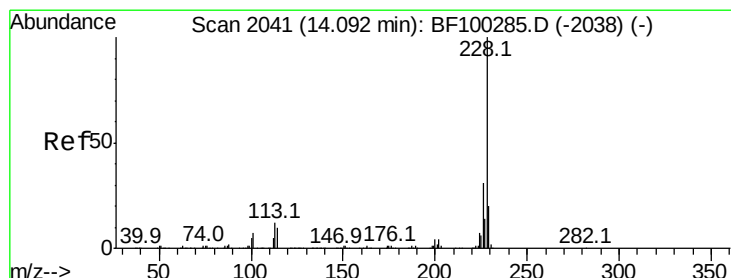
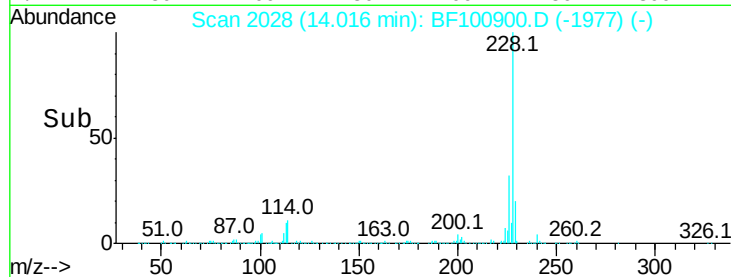
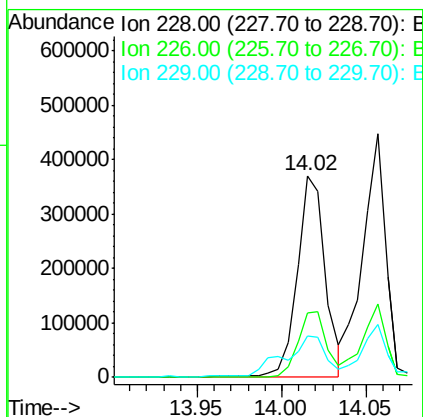
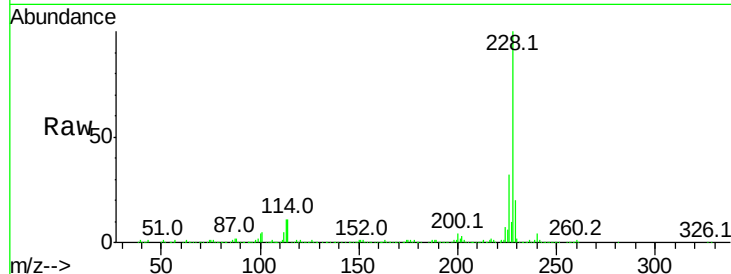
#80
Benzo(a)anthracene
Concen: 48.250 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	20.2	15.8	23.6

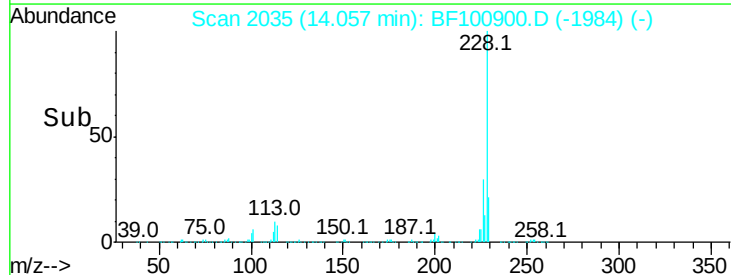
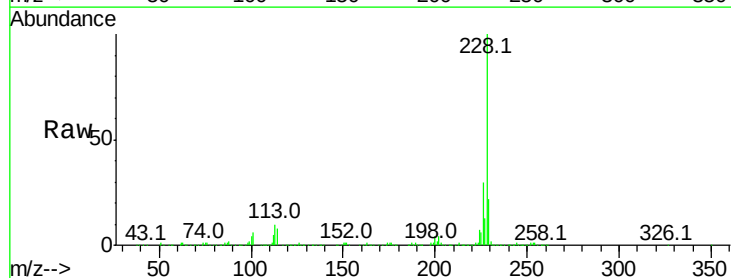
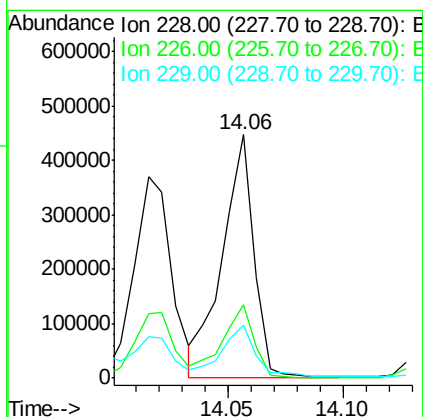
Manual Integrations
APPROVED

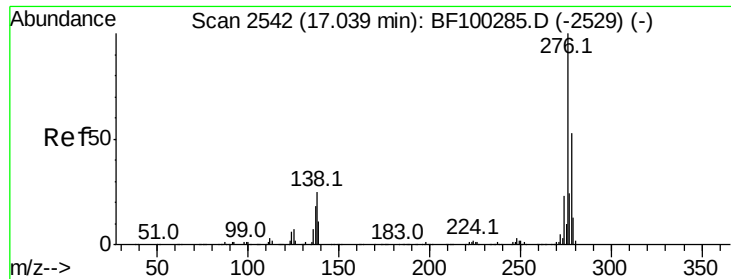
Sohil
11/28/2017 2:45:48 PM



#82
Chrysene
Concen: 49.472 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.00 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	21.8	16.2	24.4





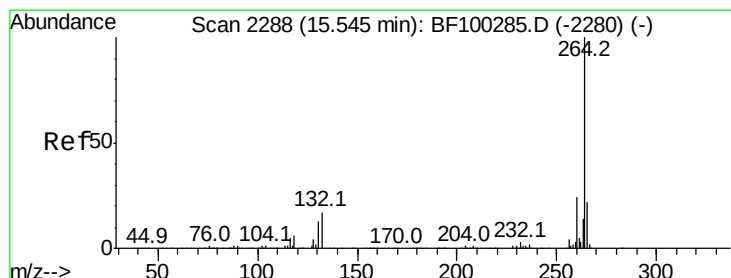
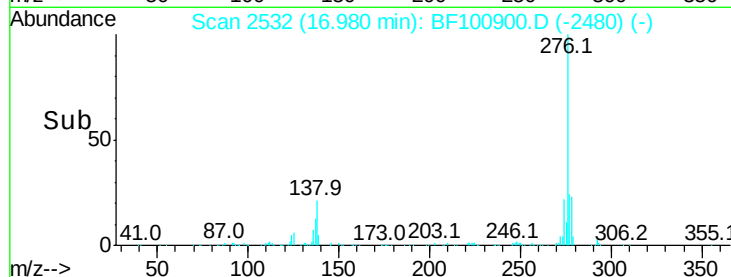
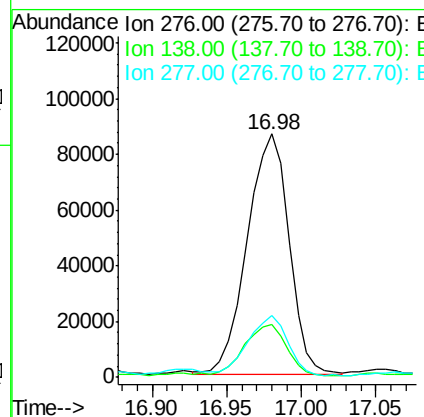
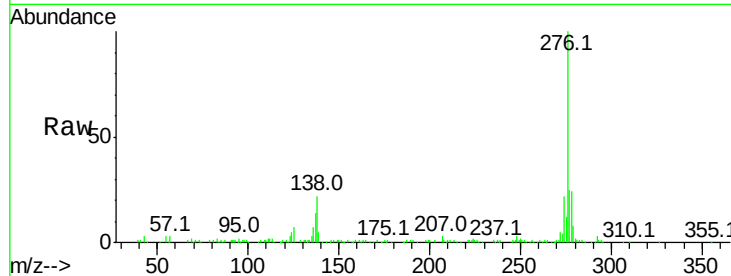
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.205 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. 0.01 min
 Lab File: BF100900.D
 Acq: 27 Nov 2017 18:54

Instrument :
 BNA_F
 ClientSampled :
 SAU-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.0	37.6#
277	23.9	20.1	30.1

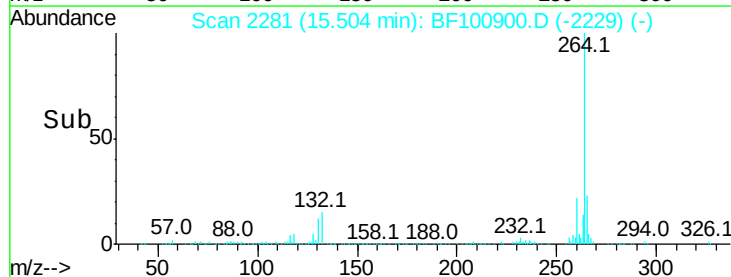
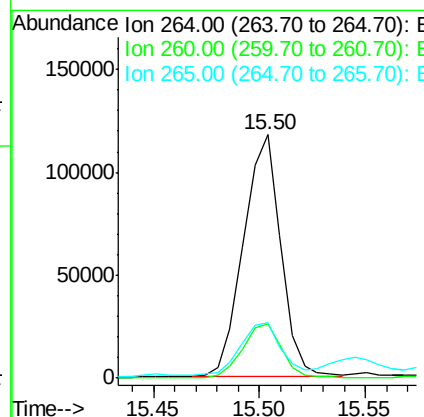
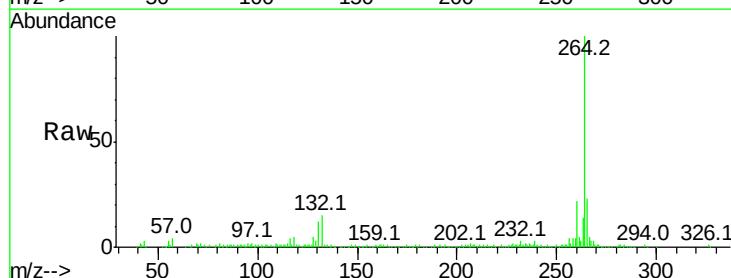
Manual Integrations
 APPROVED

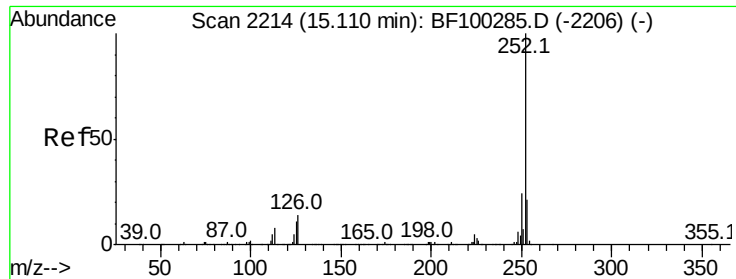
Sohil
 11/28/2017 2:45:48 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. 0.01 min
 Lab File: BF100900.D
 Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	22.9	17.5	26.3





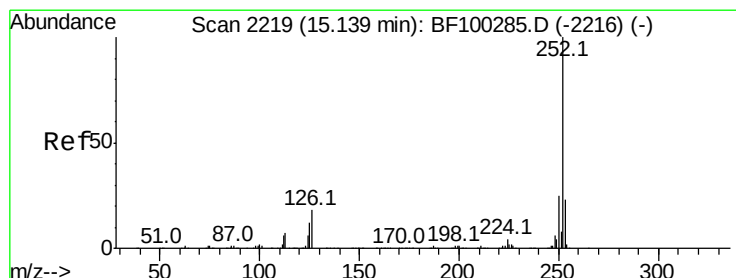
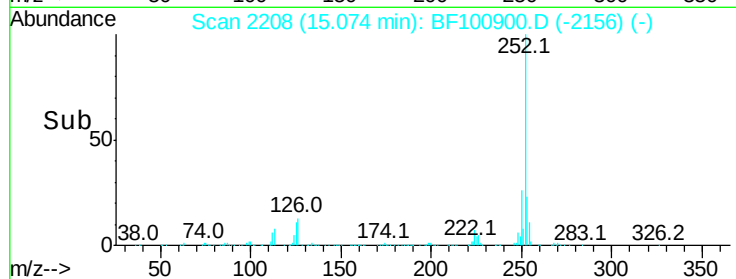
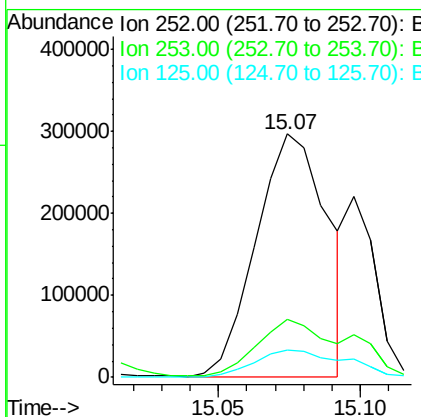
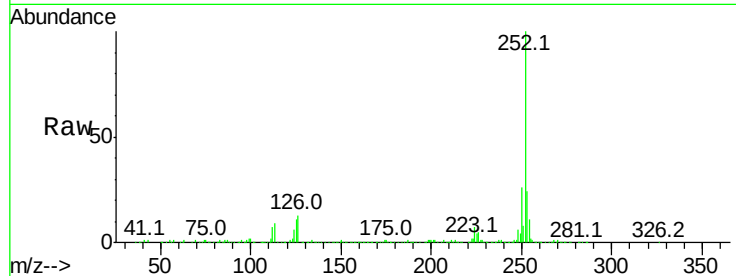
#87
Benzo(b)fluoranthene
Concen: 60.291 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	11.3	9.0	13.6

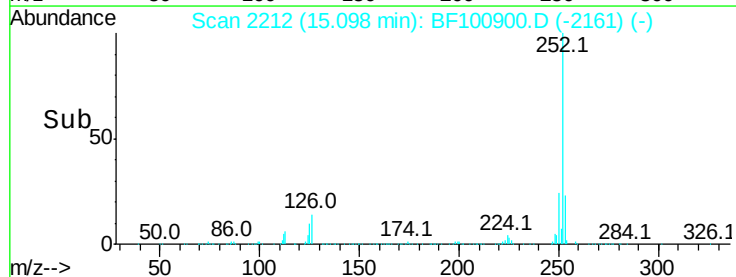
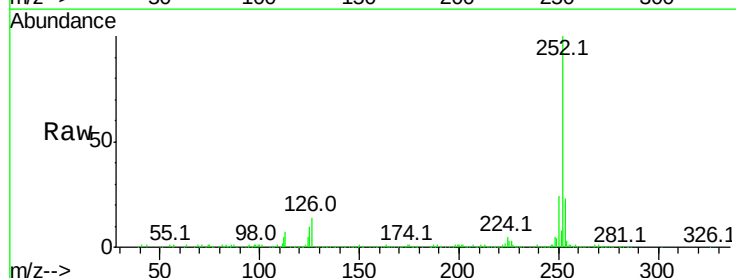
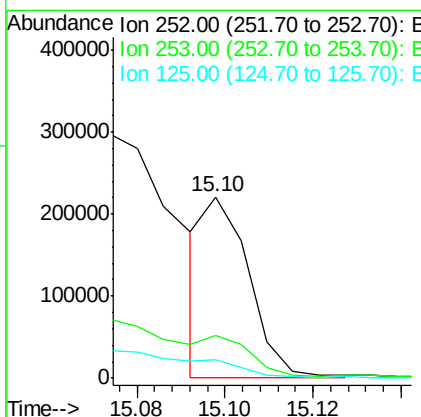
Manual Integrations
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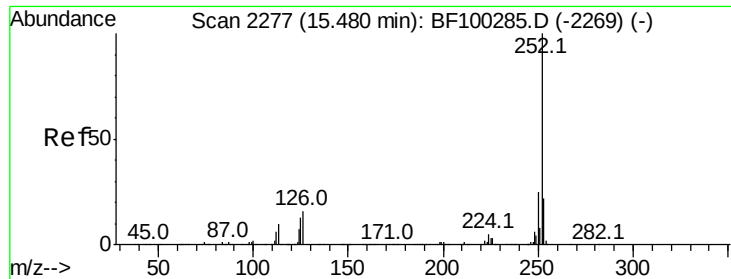
Sohil
11/28/2017 2:45:48 PM



#88
Benzo(k)fluoranthene
Concen: 19.480 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	10.4	10.2	15.2





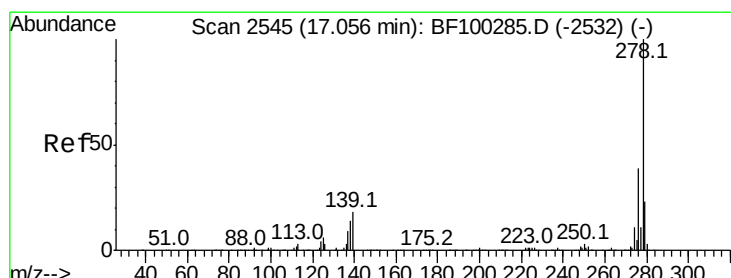
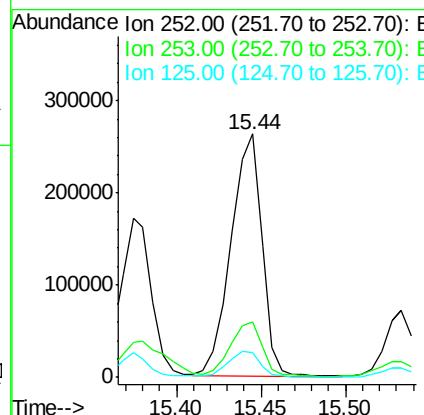
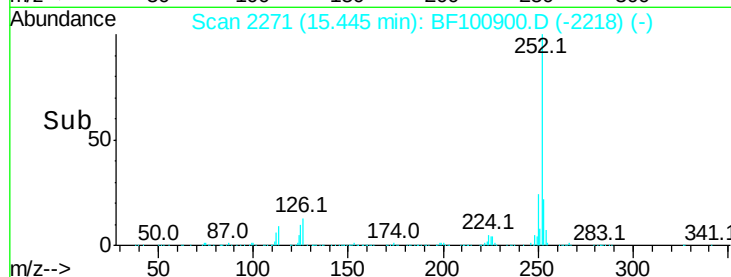
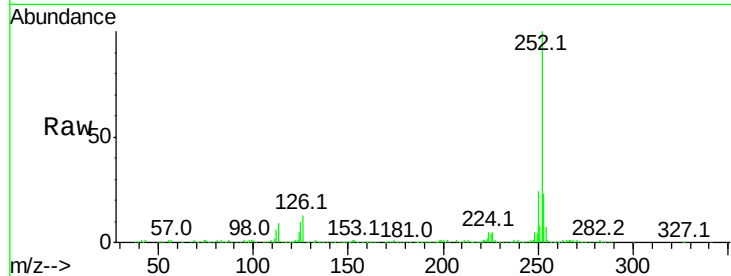
#89
Benzo(a)pyrene
Concen: 43.941 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Instrument :
BNA_F
ClientSampleId :
SAU-4-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	10.1	9.8	14.6

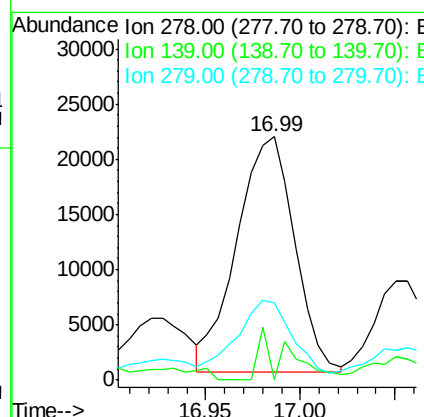
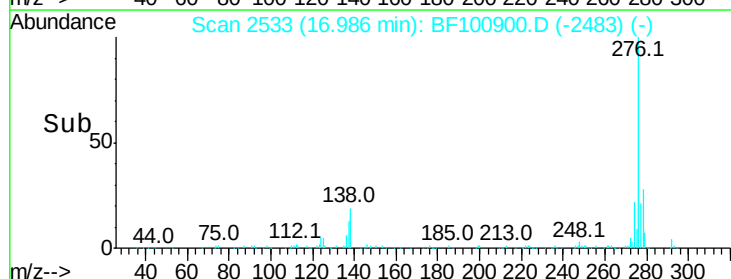
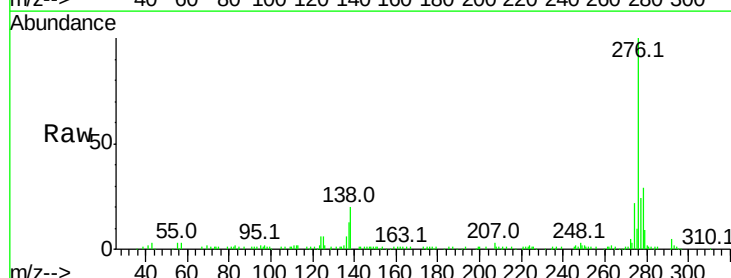
Manual Integrations
APPROVED

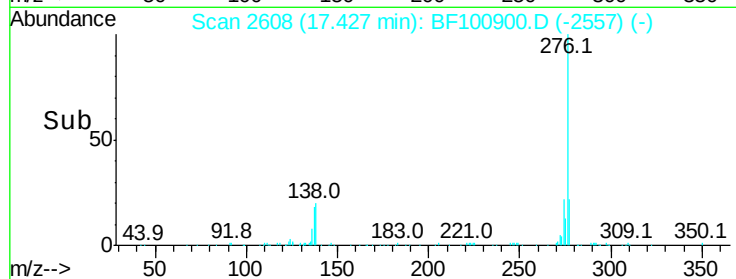
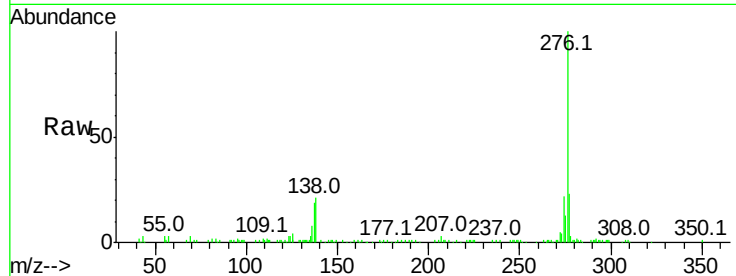
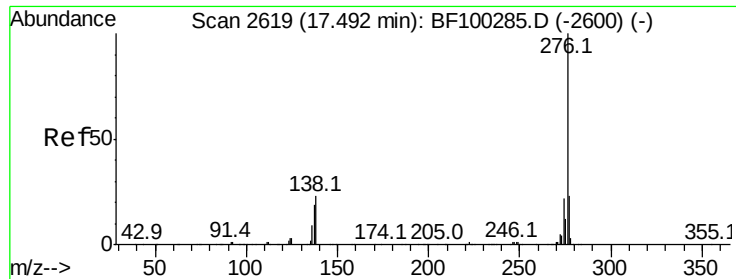
Sohil
11/28/2017 2:45:48 PM



#90
Dibenzo(a,h)anthracene
Concen: 7.268 ng m
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF100900.D
Acq: 27 Nov 2017 18:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	31.8	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 23.708 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: BF100900.D
 Acq: 27 Nov 2017 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SAU-4-E(7-8)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.7	17.9	26.9
138	21.0	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 11/28/2017 2:45:48 PM

