

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100993.D
 Acq On : 29 Nov 2017 22:05
 Operator : SJ/JU
 Sample : I6610-17
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

Manual Integrations
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Quant Time: Nov 30 07:17:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	56005	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	204994	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	82696	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	141359	20.00	ng	0.00
75) Chrysene-d12	14.03	240	114562	20.00	ng	0.00
86) Perylene-d12	15.50	264	92722	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	311183	89.07	ng	0.00
7) Phenol-d6	6.49	99	380325	88.28	ng	0.00
23) Nitrobenzene-d5	7.42	82	218582	70.50	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	78790	93.50	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	435207	80.14	ng	0.00
78) Terphenyl-d14	12.96	244	346320	69.46	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	14172	3.133	ng	91
31) Naphthalene	8.16	128	29965	3.035	ng	99
48) Acenaphthylene	9.75	152	47478	5.521	ng	98
49) Dimethylphthalate	9.60	163	36153	5.726	ng	99
51) Acenaphthene	9.92	154	30492	5.831	ng	97
54) Dibenzofuran	10.09	168	28888	3.941	ng	96
57) Fluorene	10.44	166	38898	7.244	ng	99
70) Phenanthrene	11.41	178	566893	76.167	ng	98
71) Anthracene	11.46	178	141874	18.789	ng	98
72) Carbazole	11.61	167	57070	8.191	ng	98
74) Fluoranthene	12.60	202	857379	108.695	ng	97
77) Pyrene	12.83	202	791177	96.882	ng	99
80) Benzo(a)anthracene	14.02	228	413039	59.870	ng	98
82) Chrysene	14.06	228	381567	57.115	ng	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	20500	4.680	ng	# 97
87) Benzo(b)fluoranthene	15.07	252	394804m	71.870	ng	
88) Benzo(k)fluoranthene	15.10	252	115234m	22.201	ng	
89) Benzo(a)pyrene	15.44	252	254594	52.278	ng	96
90) Dibenzo(a,h)anthracene	16.99	278	39650	9.955	ng	# 76
91) Benzo(a,h,i)perylene	17.44	276	142245	36.486	ng	# 92

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

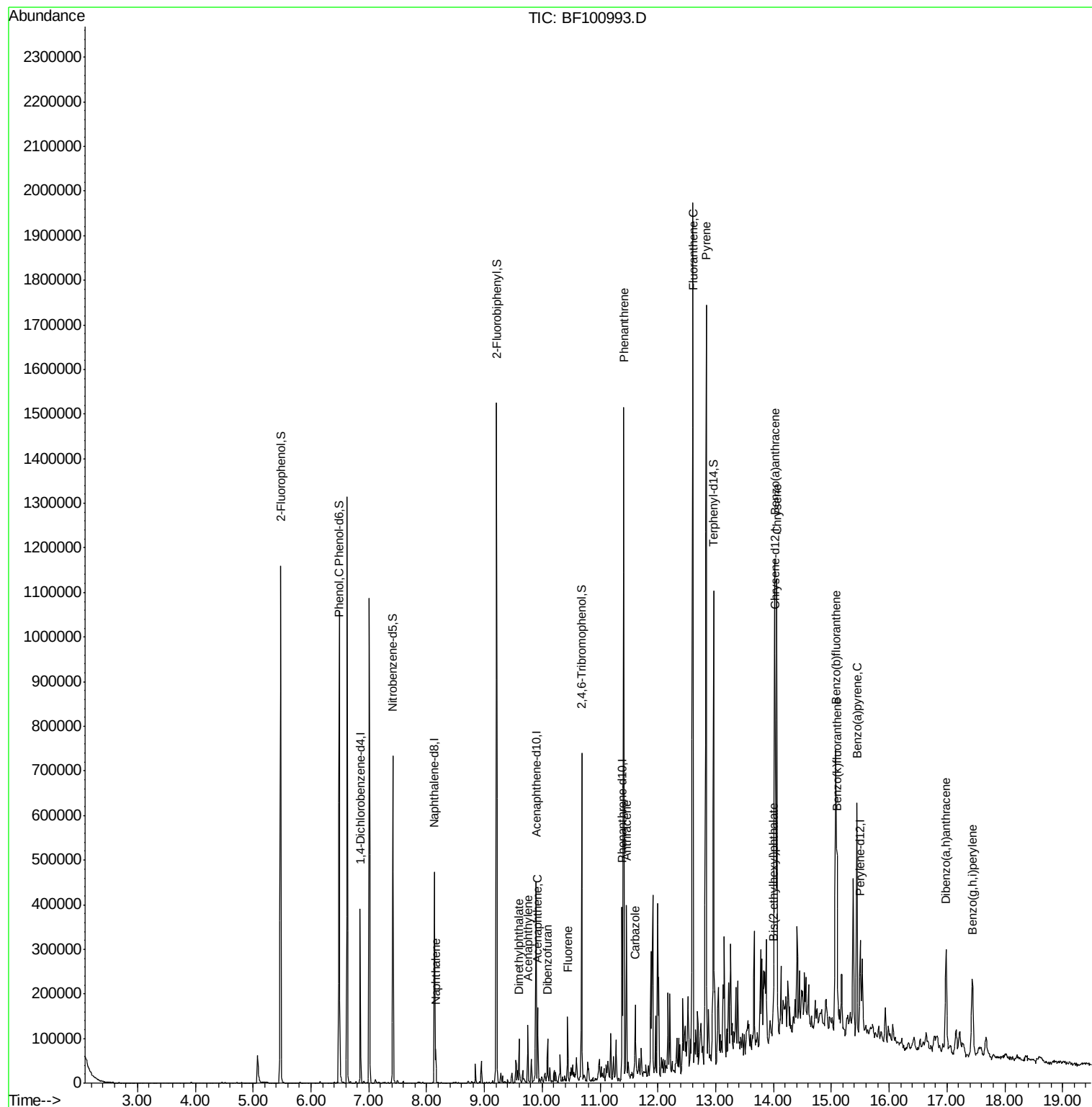
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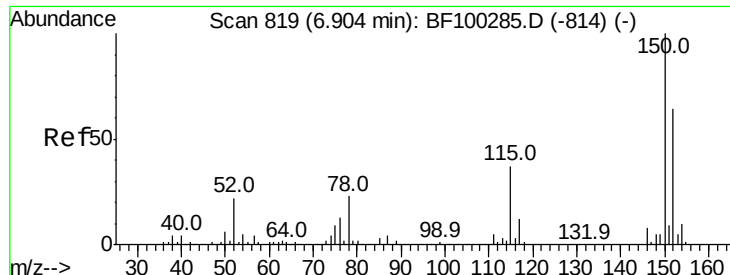
Instrument :
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#1

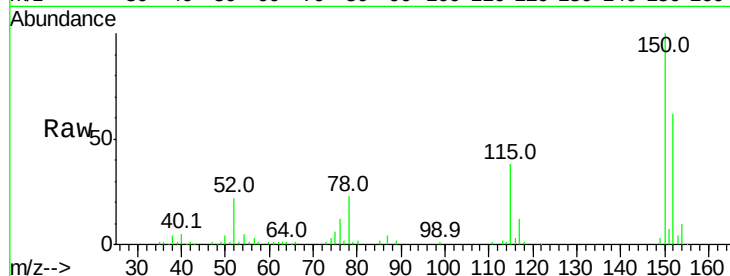
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

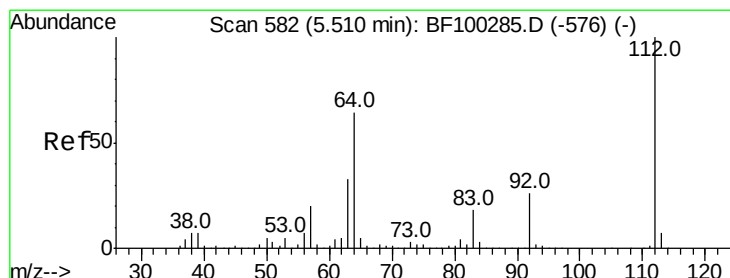
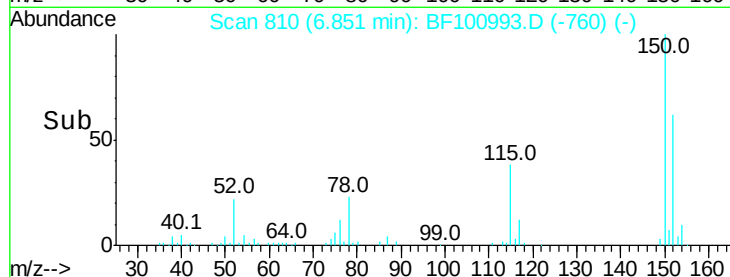
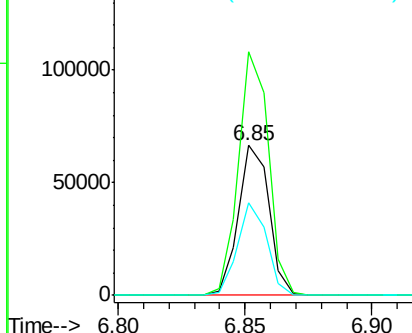
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.2	124.6	186.8
115	61.9	50.1	75.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

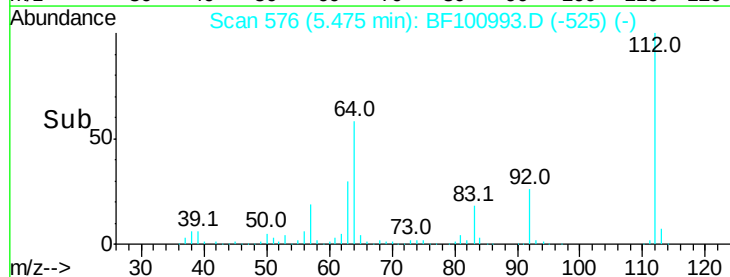
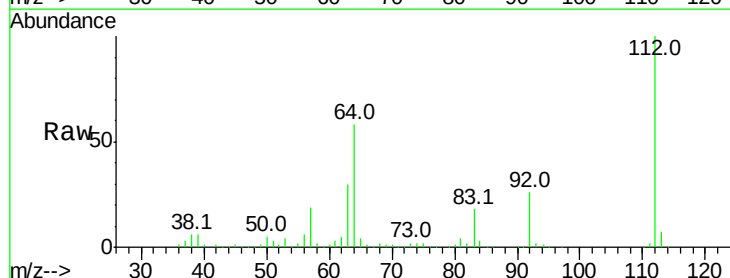
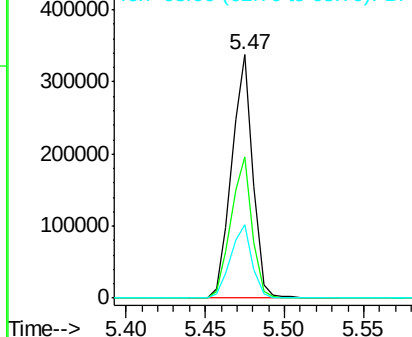


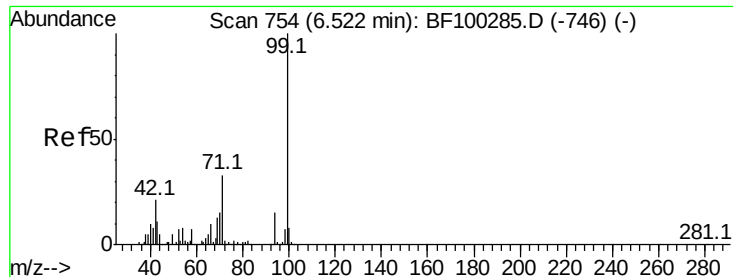
#5

2-Fluorophenol
Concen: 89.067 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.00 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.9	71.9
63	30.4	23.7	35.5

Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.277 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF100993.D

Acq: 29 Nov 2017 22:05

Instrument :

BNA_F

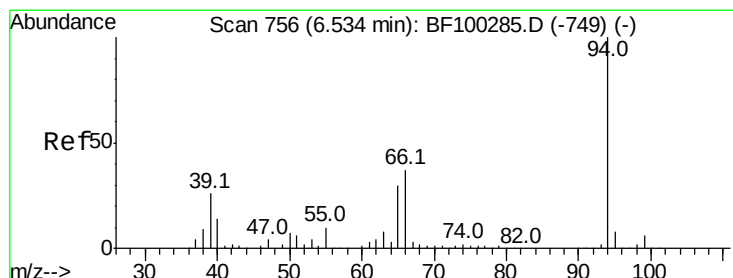
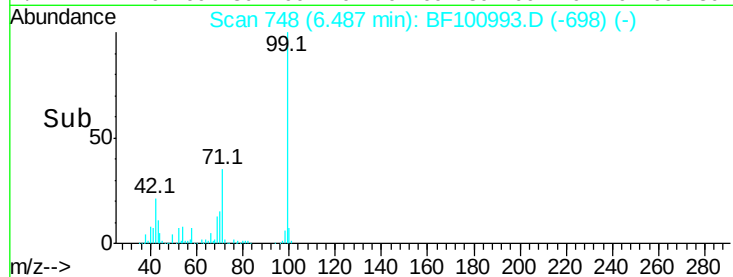
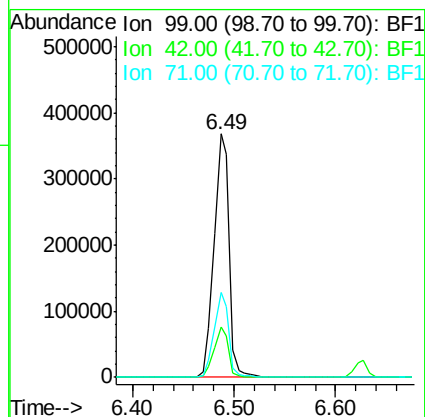
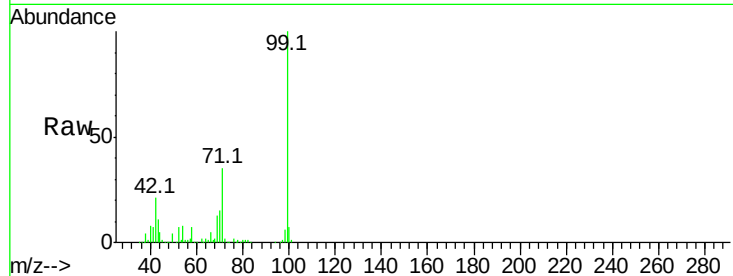
ClientSampleId :

SB-12(0-2)-20171127

Tot Ion:	99	Resp:	380325
Ion Ratio	Lower	Upper	
99	100		
42	20.9	14.5	21.7
71	34.7	25.4	38.0

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#10

Phenol

Concen: 3.133 ng

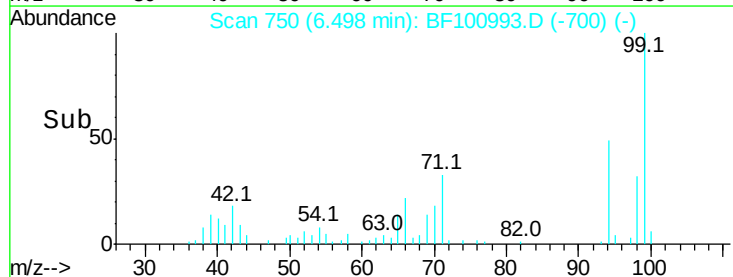
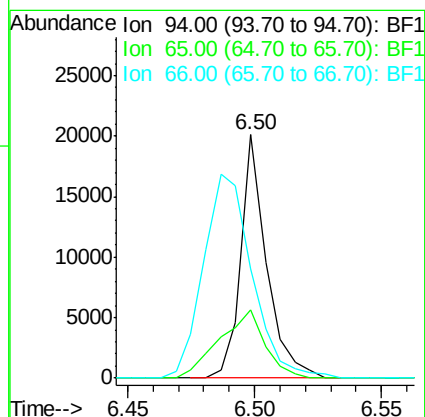
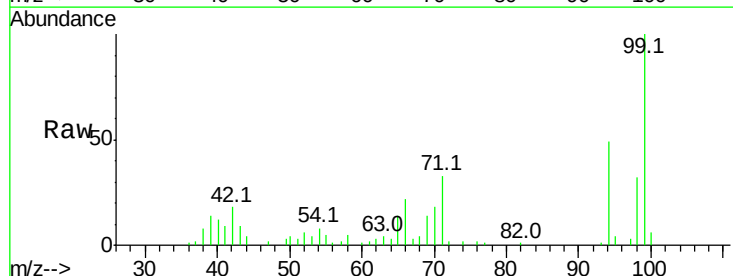
RT: 6.50 min Scan# 750

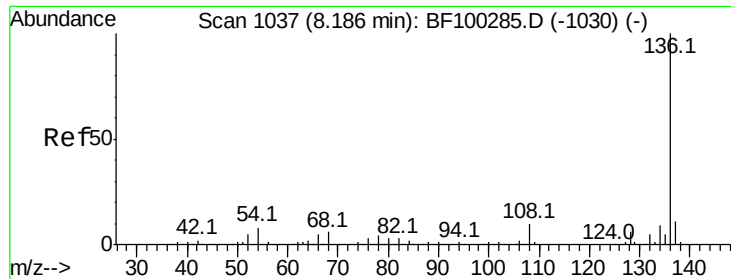
Delta R.T. -0.01 min

Lab File: BF100993.D

Acq: 29 Nov 2017 22:05

Tgt Ion:	94	Resp:	14172
Ion Ratio	Lower	Upper	
94	100		
65	28.1	7.9	47.9
66	45.0	16.2	56.2





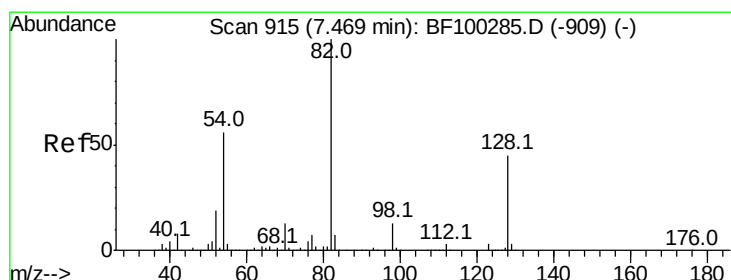
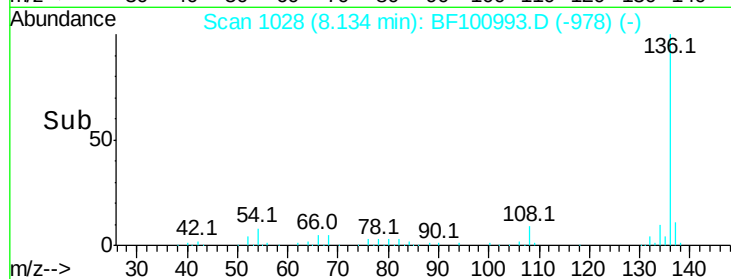
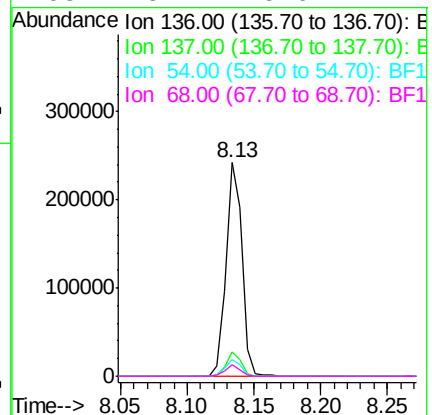
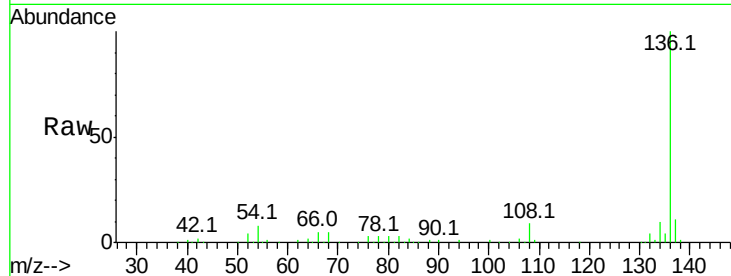
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	7.9	6.6	9.8	
68	5.1	5.0	7.4	

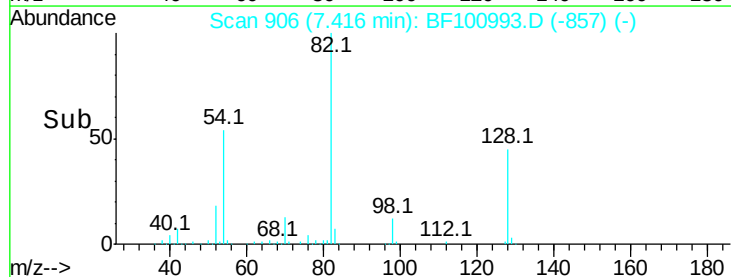
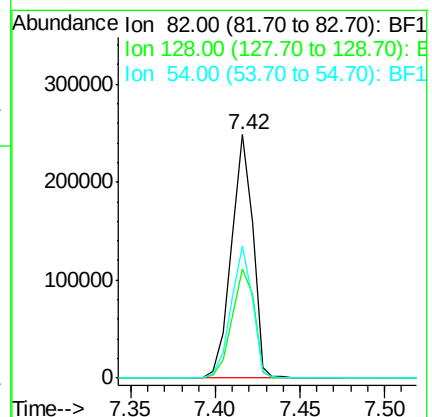
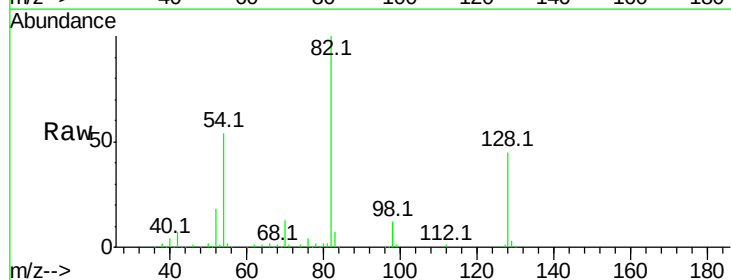
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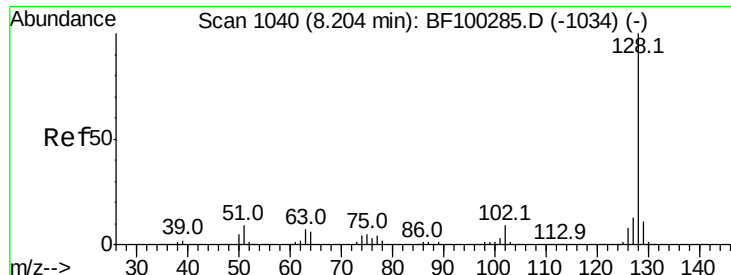
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#23
Nitrobenzene-d5
Concen: 70.496 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF100993.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	36.1	54.1	
54	54.4	41.4	62.2	





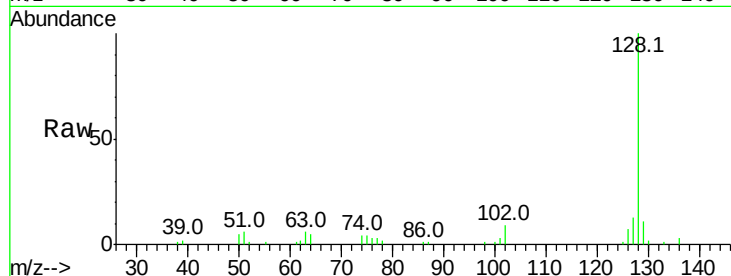
#31
Naphthalene
Concen: 3.035 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

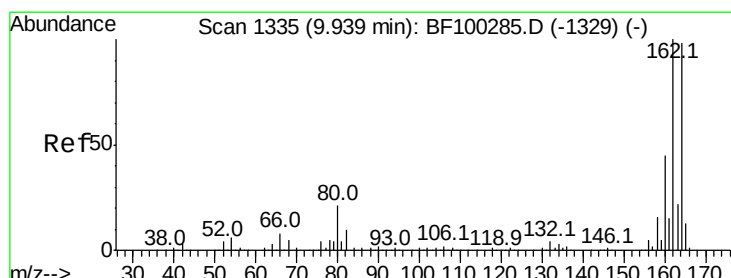
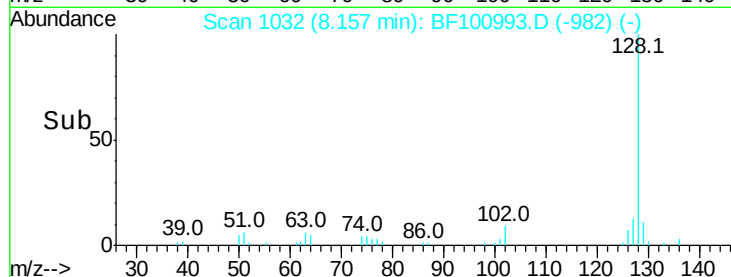
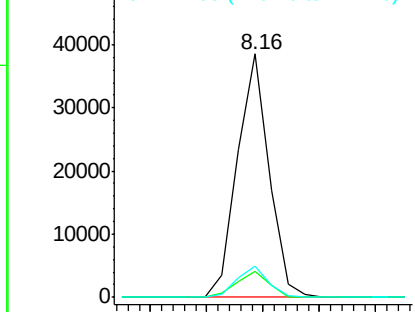
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.0	10.9	16.3

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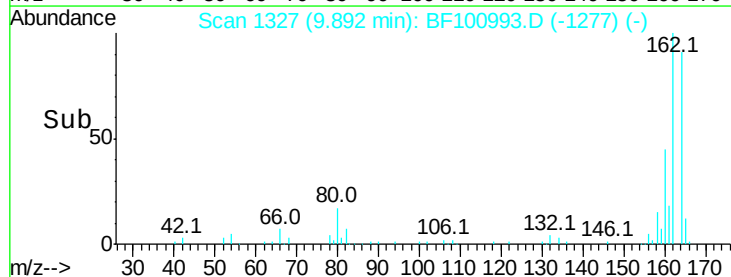
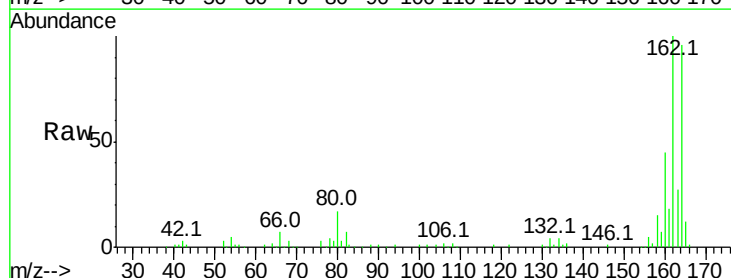
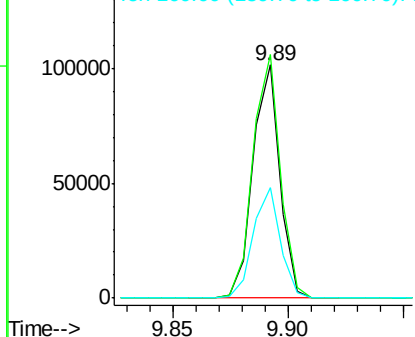
Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

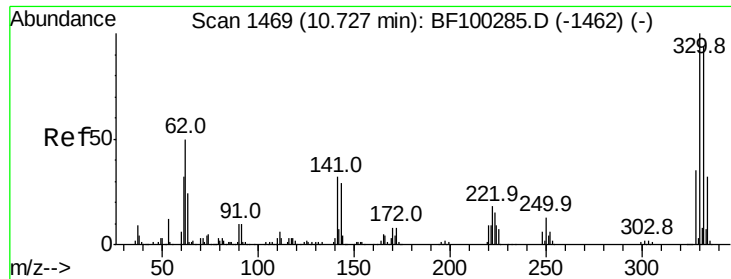


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	47.4	38.3	57.5

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





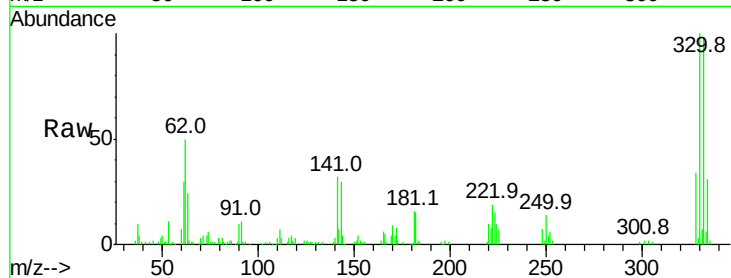
#41
 2,4,6-Tribromophenol
 Concen: 93.500 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF100993.D
 Acq: 29 Nov 2017 22:05

Instrument :
 BNA_F
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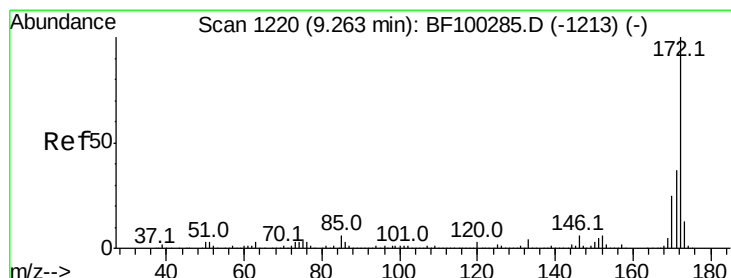
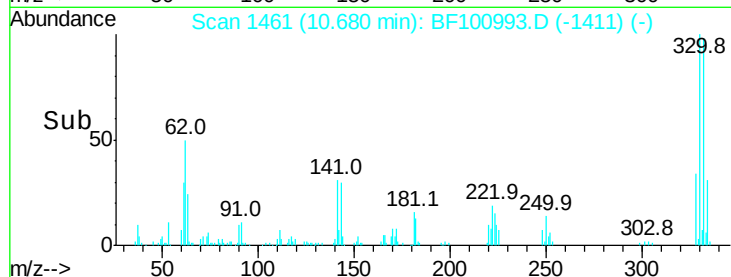
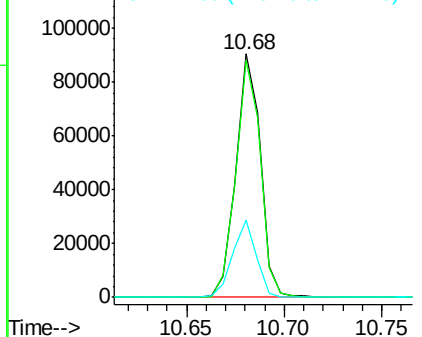
Tot Ion	Ratio	Resp	Lower	Upper
330	100	78790		
332	97.5		77.0	115.6
141	31.0		29.9	44.9

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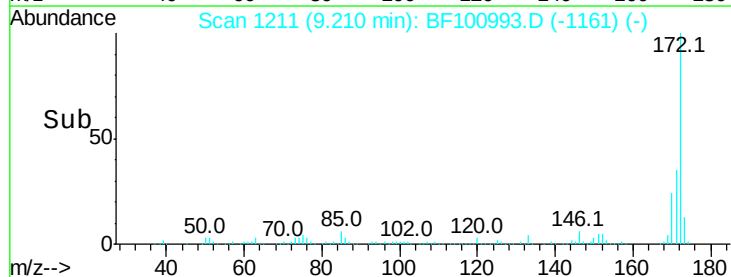
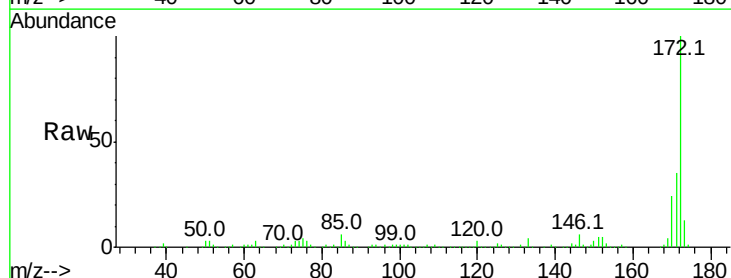
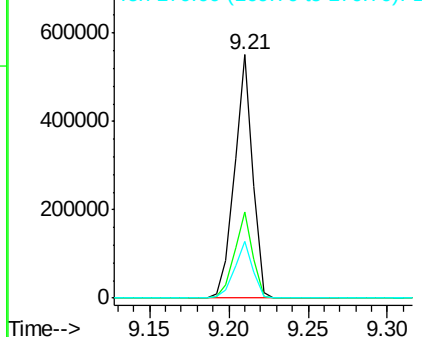
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

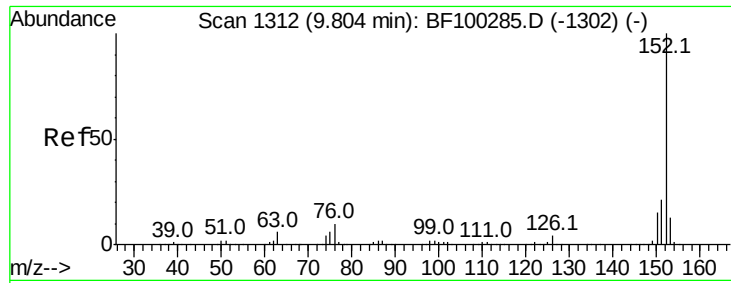


#44
 2-Fluorobiphenyl
 Concen: 80.136 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF100993.D
 Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	435207		
171	35.3		29.7	44.5
170	23.5		19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





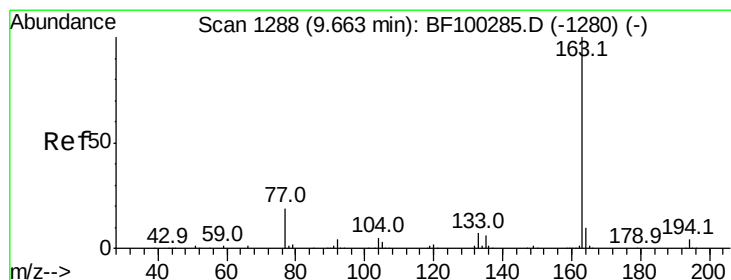
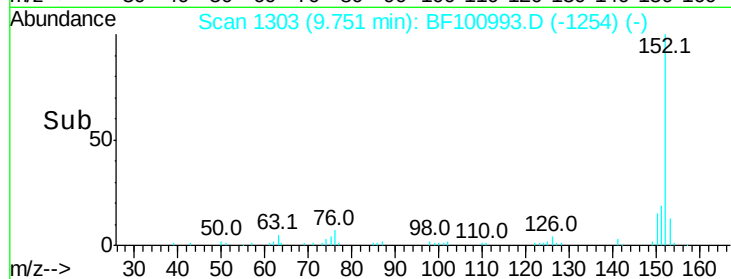
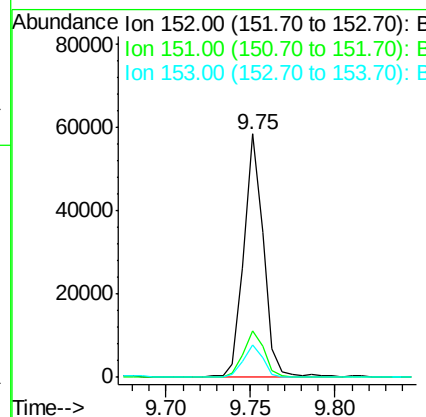
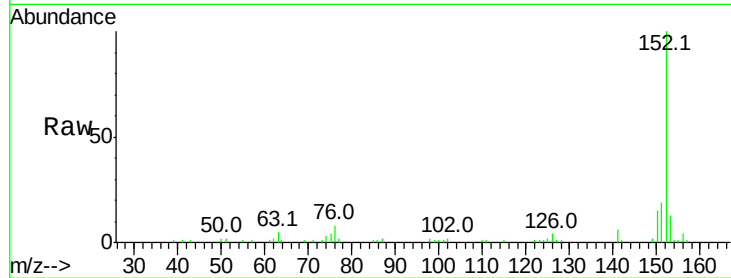
#48
Acenaphthylene
Concen: 5.521 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	13.2	10.7	16.1

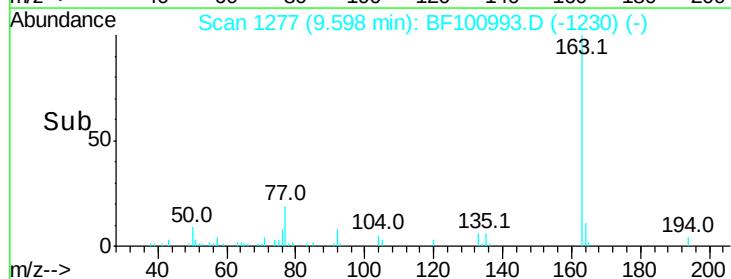
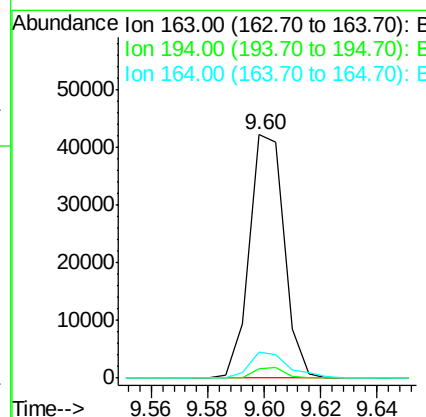
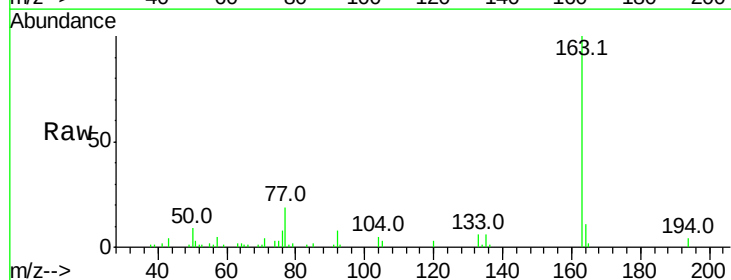
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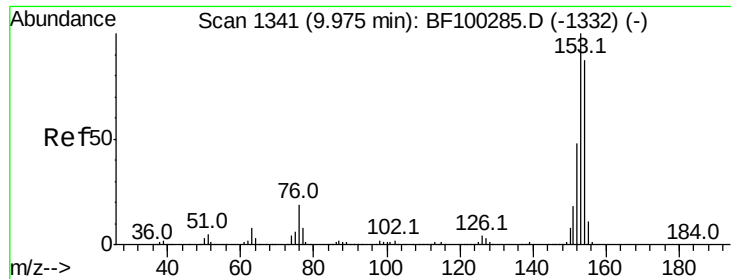
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#49
Dimethylphthalate
Concen: 5.726 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.7	4.1
164	10.7	8.2	12.2





#51

Acenaphthene

Concen: 5.831 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF100993.D

Acq: 29 Nov 2017 22:05

Instrument :

BNA_F

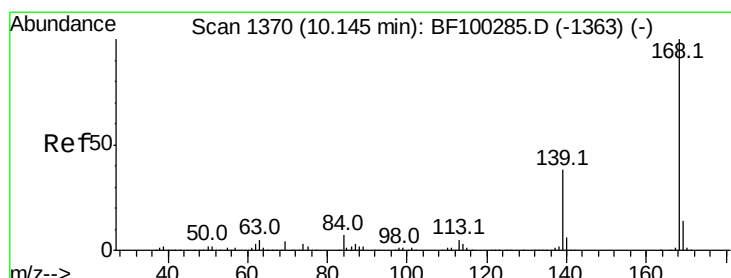
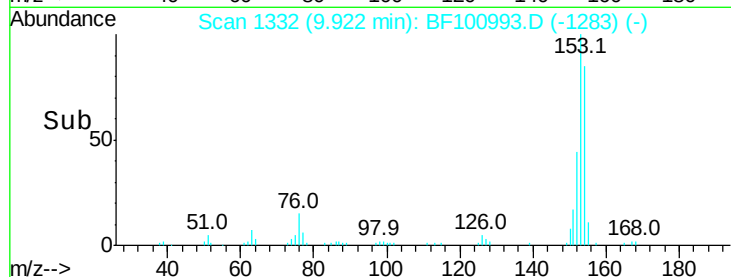
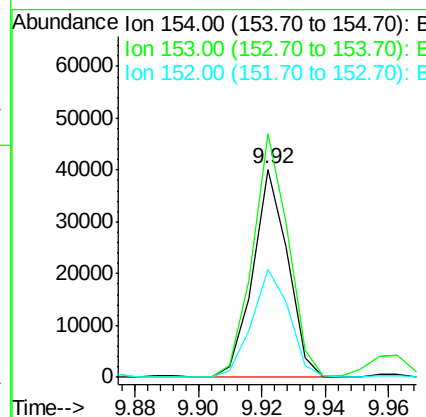
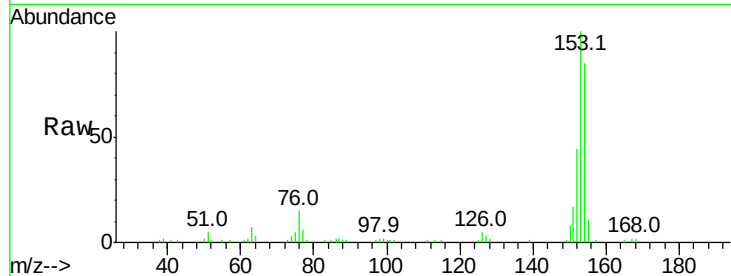
ClientSampleId :

SB-12(0-2)-20171127

Tot Ion:	154	Resp:	30492
Ion Ratio	Lower	Upper	
154	100		
153	117.1	91.2	136.8
152	52.0	43.8	65.8

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#54

Dibenzofuran

Concen: 3.941 ng

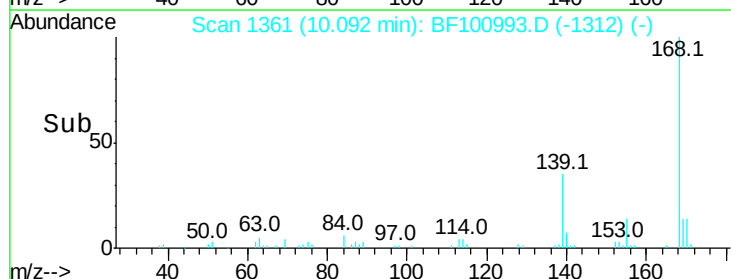
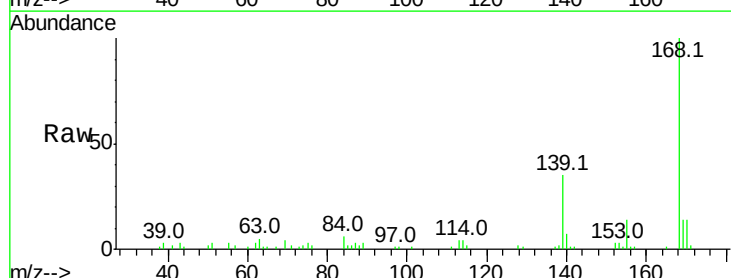
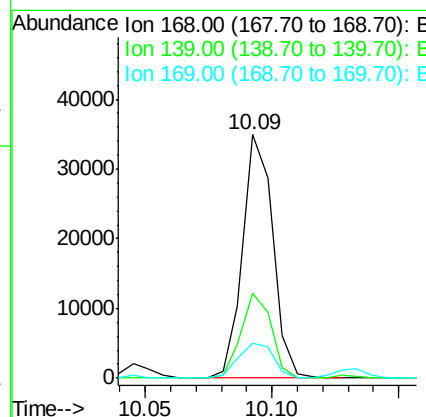
RT: 10.09 min Scan# 1361

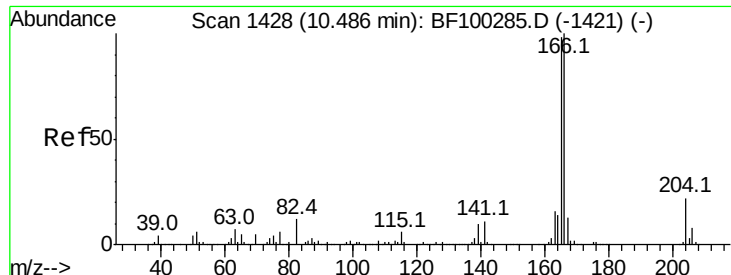
Delta R.T. -0.01 min

Lab File: BF100993.D

Acq: 29 Nov 2017 22:05

Tgt Ion:	168	Resp:	28888
Ion Ratio	Lower	Upper	
168	100		
139	34.9	30.1	45.1
169	14.5	10.9	16.3





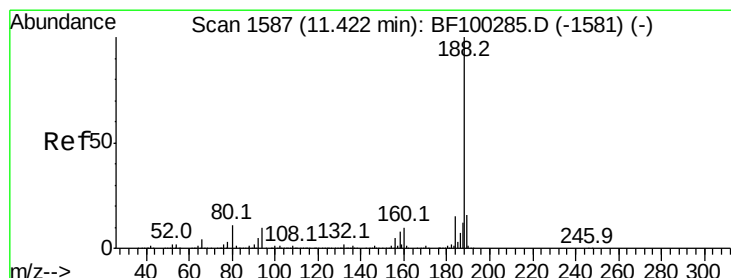
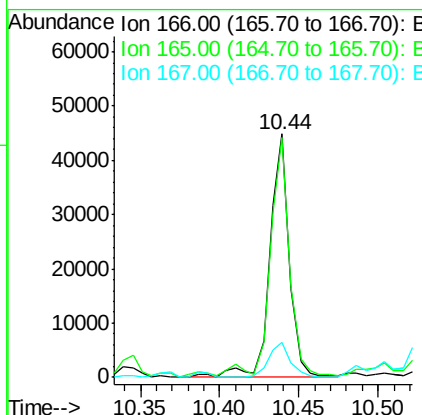
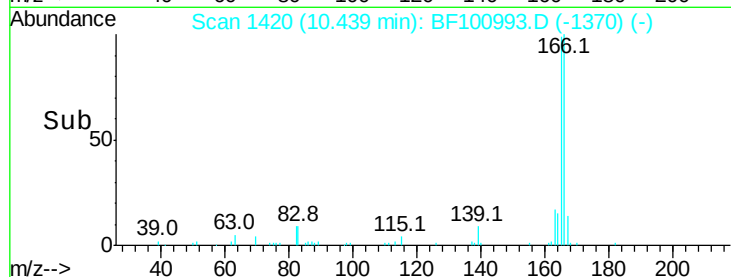
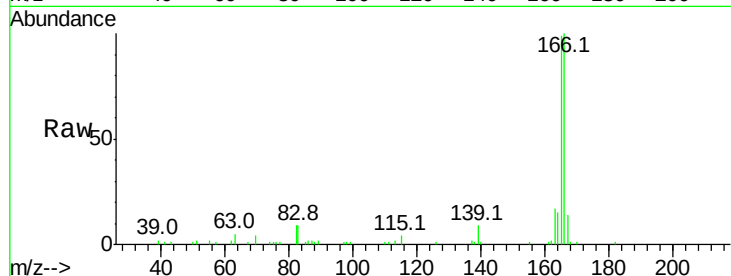
#57
 Fluorene
 Concen: 7.244 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF100993.D
 Acq: 29 Nov 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.8	119.8
167	14.5	10.6	16.0

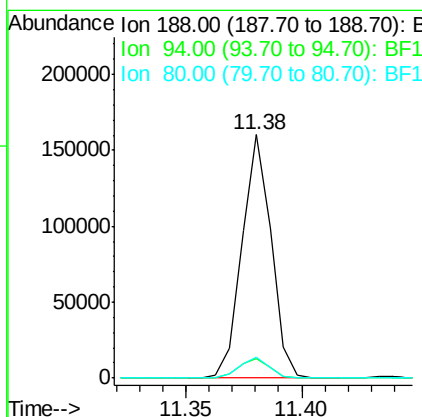
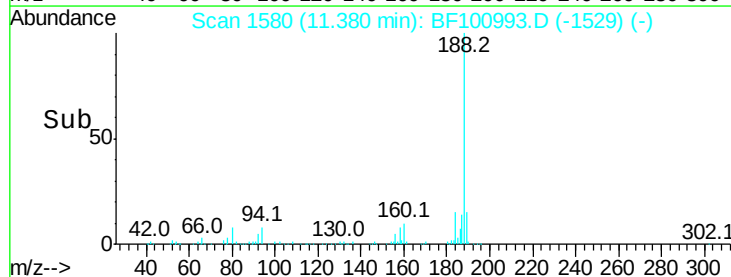
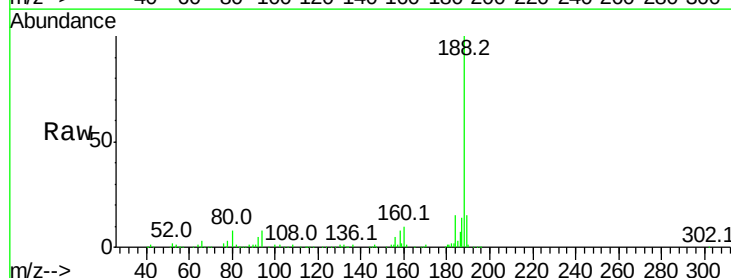
Manual Integrations
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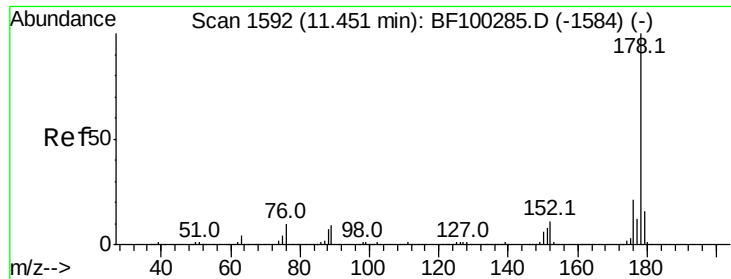
Sohil
 11/30/2017 4:30:13 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF100993.D
 Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.3	9.2	13.8#





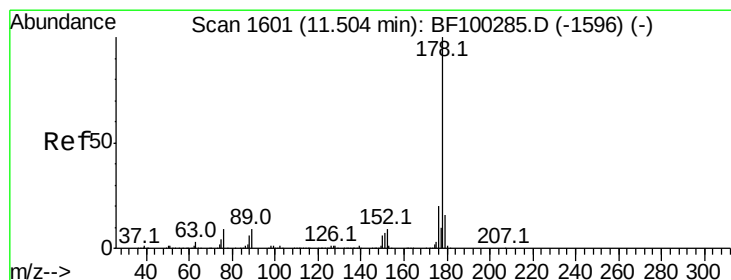
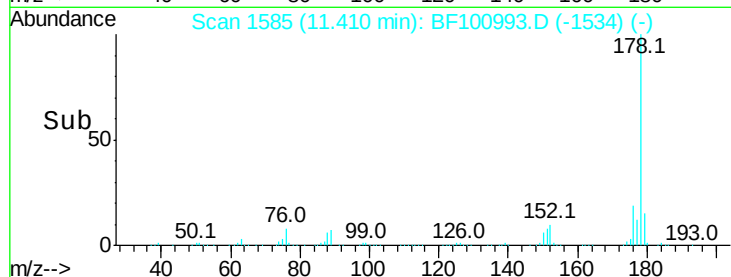
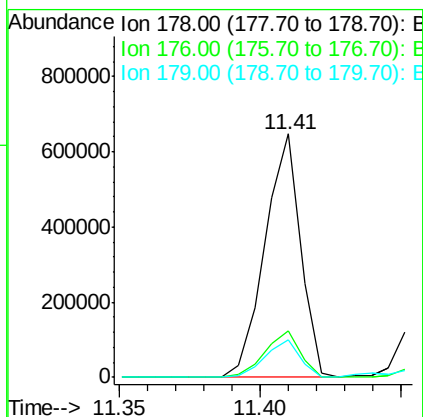
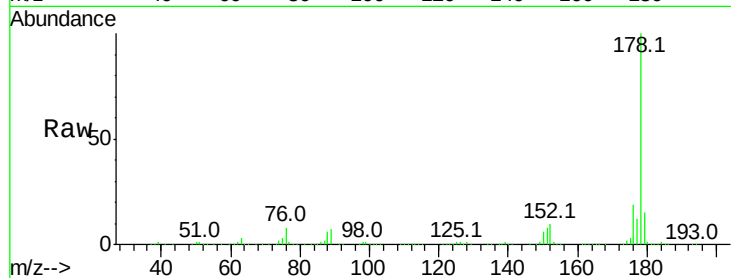
#70
Phenanthrene
Concen: 76.167 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

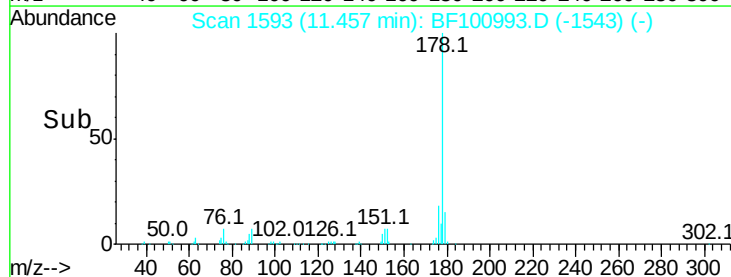
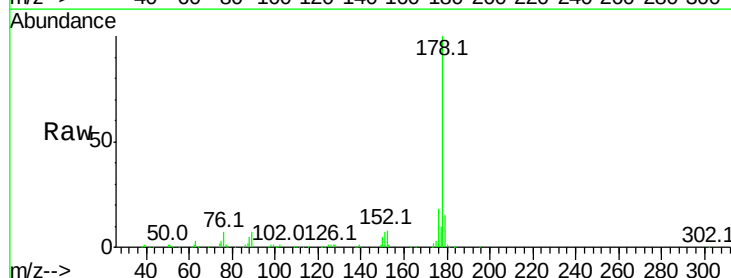
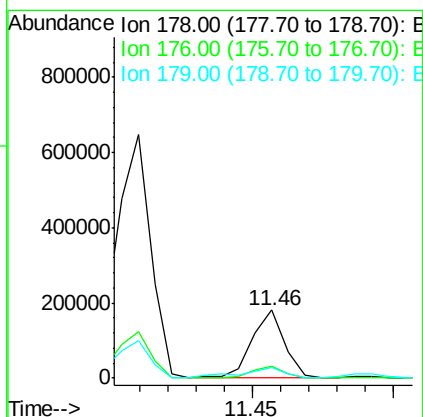
Manual Integrations
APPROVED

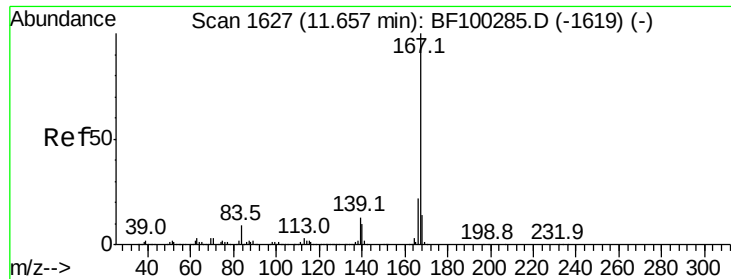
Sohil
11/30/2017 4:30:13 PM



#71
Anthracene
Concen: 18.789 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	14.8	12.6	19.0





#72

Carbazole

Concen: 8.191 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF100993.D

Acq: 29 Nov 2017 22:05

Instrument :

BNA_F

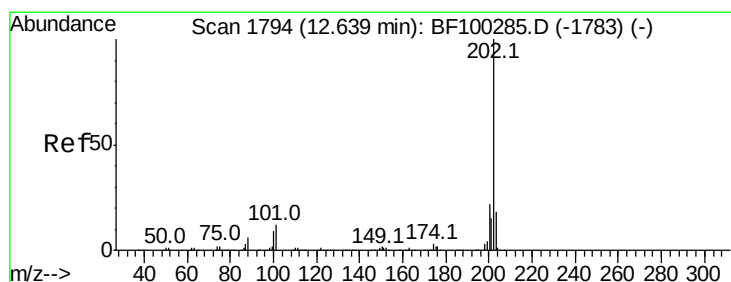
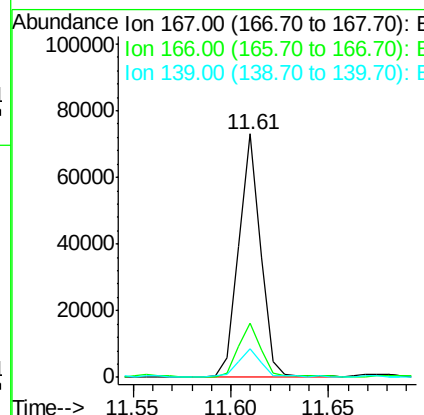
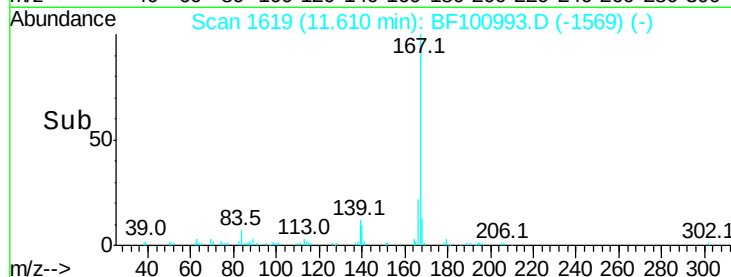
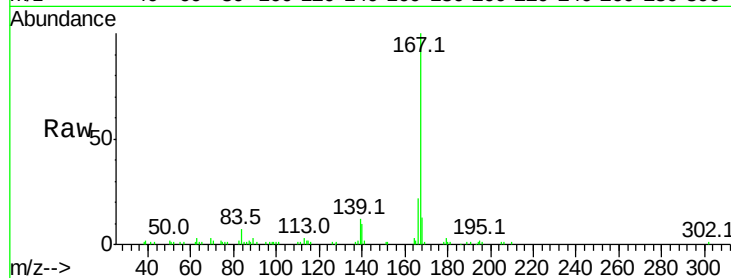
ClientSampleId :

SB-12(0-2)-20171127

Tot Ion:	167	Resp:	57070
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.6	26.4
139	11.8	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 108.695 ng

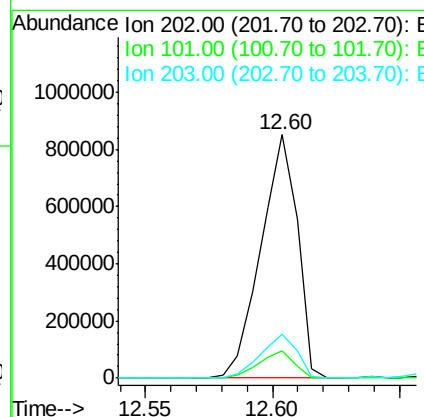
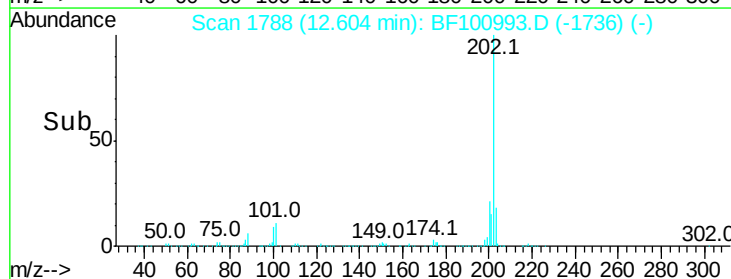
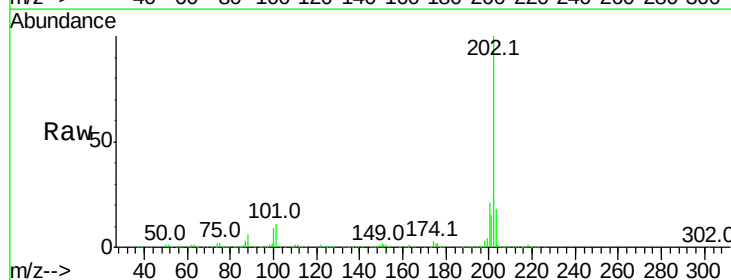
RT: 12.60 min Scan# 1788

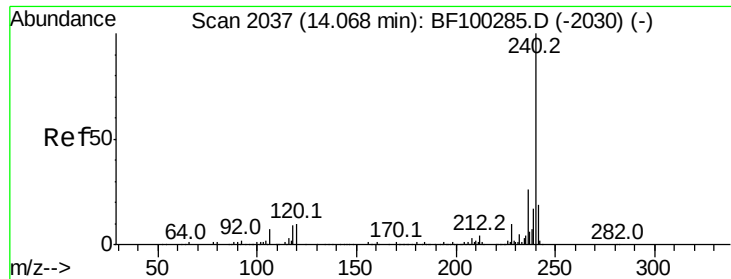
Delta R.T. 0.01 min

Lab File: BF100993.D

Acq: 29 Nov 2017 22:05

Tgt Ion:	202	Resp:	857379
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF100993.D

Acq: 29 Nov 2017 22:05

Instrument :

BNA_F

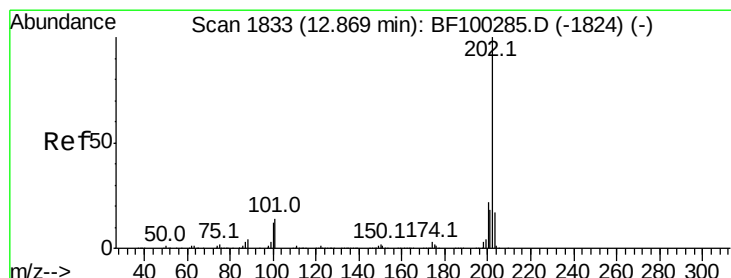
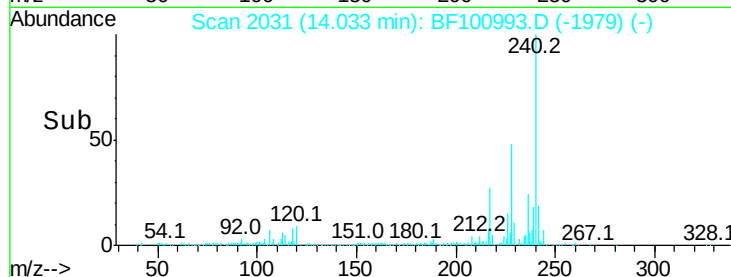
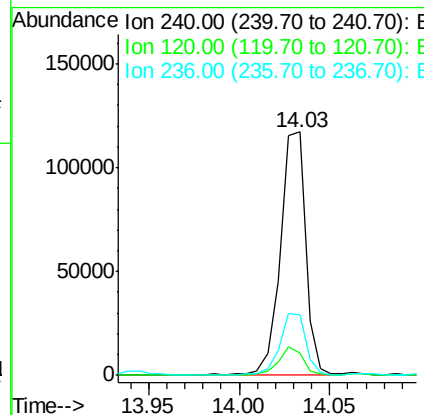
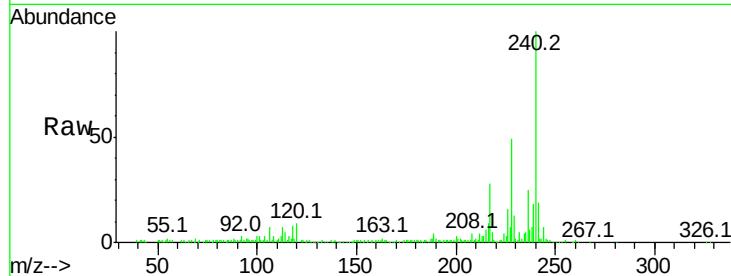
ClientSampleId :

SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	24.8	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 96.882 ng

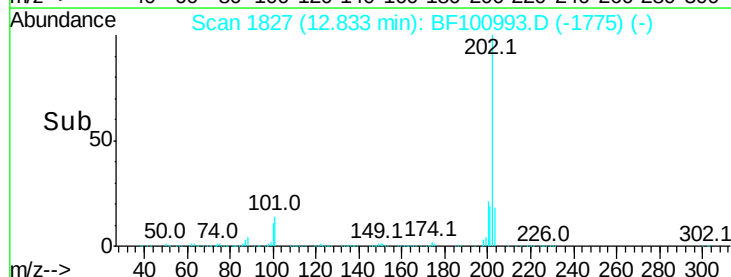
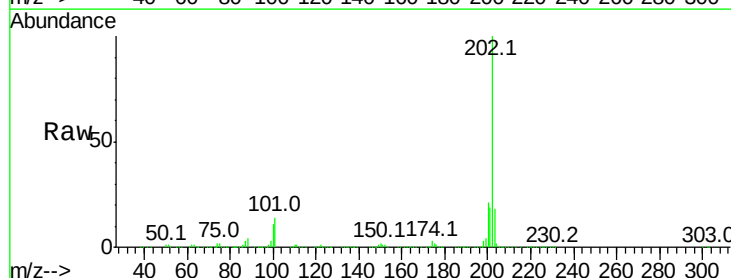
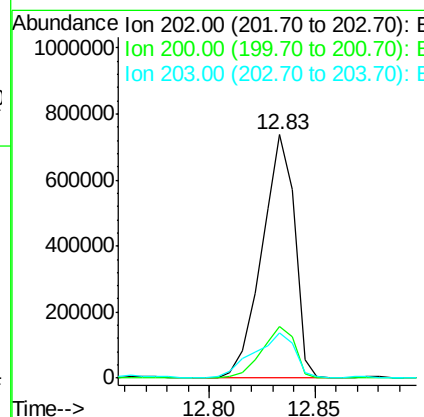
RT: 12.83 min Scan# 1827

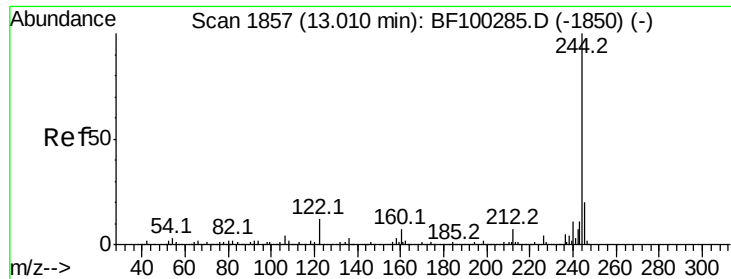
Delta R.T. 0.01 min

Lab File: BF100993.D

Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.4	14.3	21.5





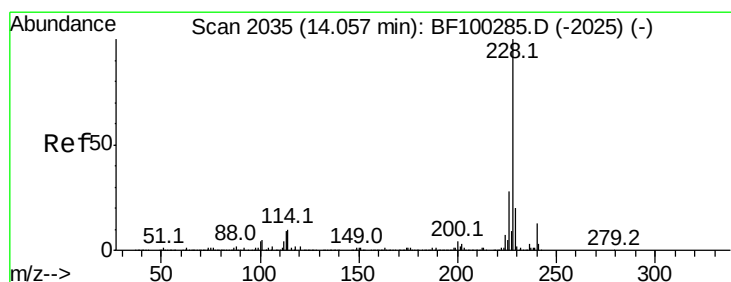
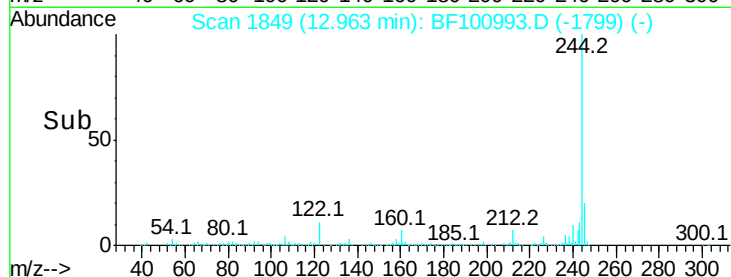
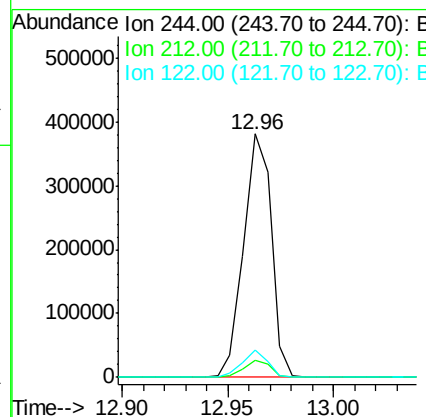
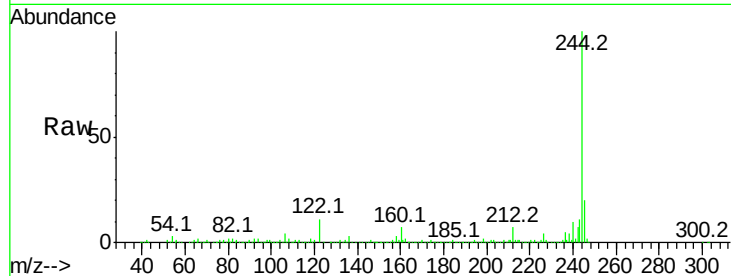
#78
 Terphenyl-d14
 Concen: 69.460 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF100993.D
 Acq: 29 Nov 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	11.4	11.0	16.4

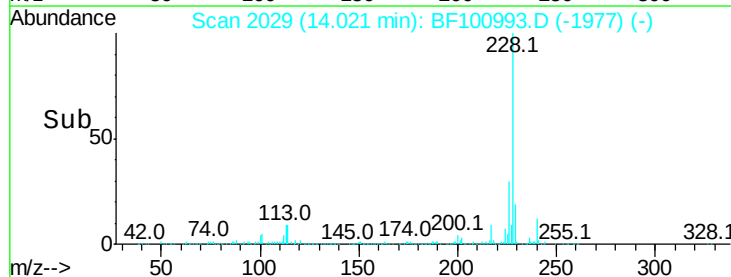
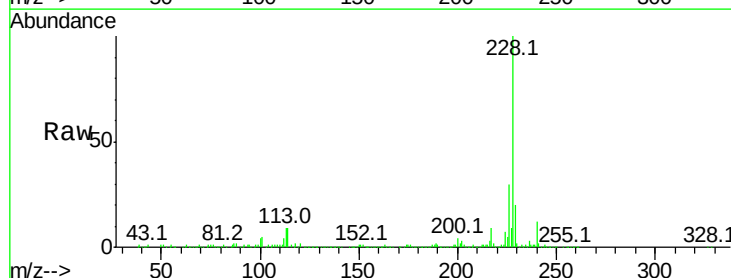
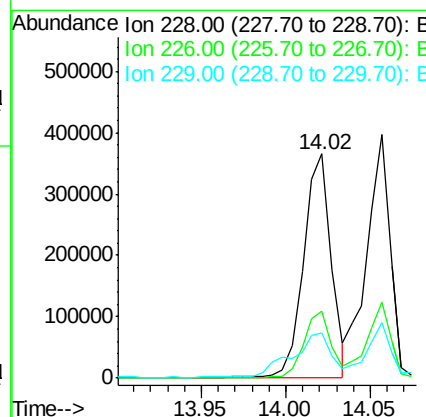
Manual Integrations
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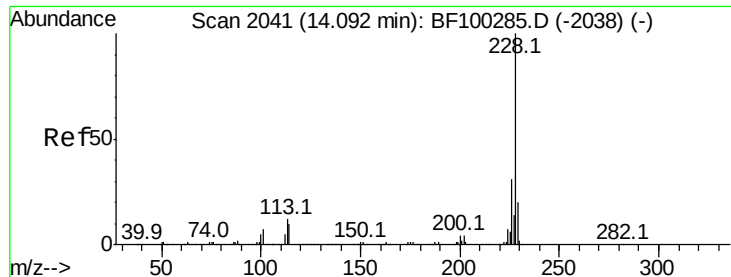
Sohil
 11/30/2017 4:30:13 PM



#80
 Benzo(a)anthracene
 Concen: 59.870 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: BF100993.D
 Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.0	15.8	23.6





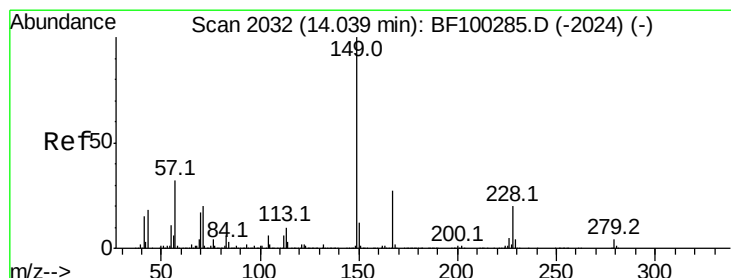
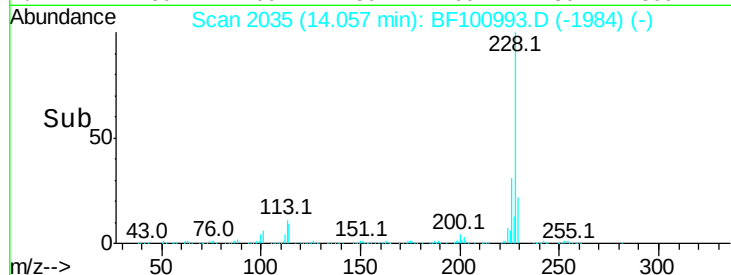
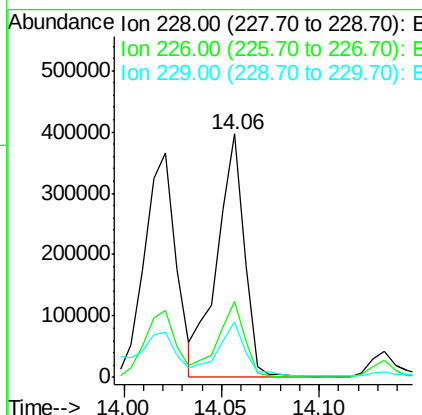
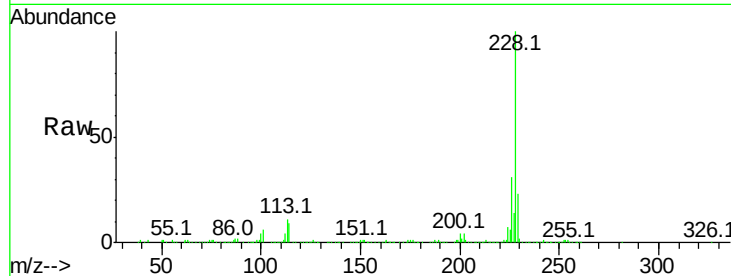
#82
 Chrysene
 Concen: 57.115 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: BF100993.D
 Acq: 29 Nov 2017 22:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.7	16.2	24.4

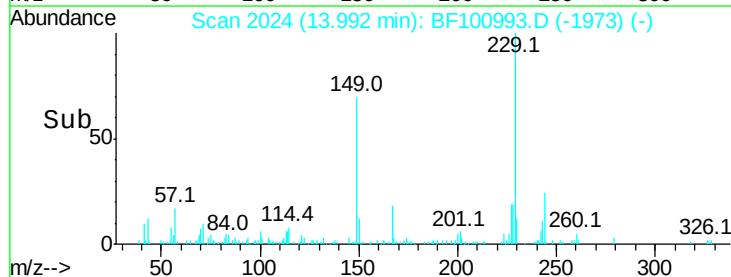
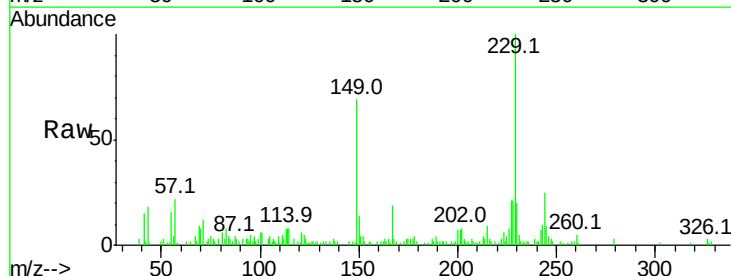
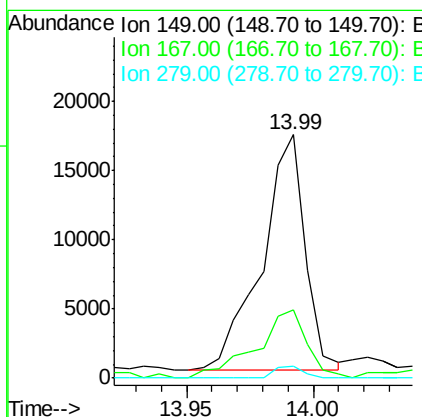
Manual Integrations
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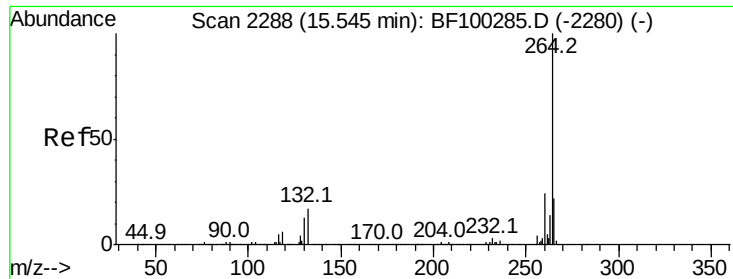
Sohil
 11/30/2017 4:30:13 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.680 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF100993.D
 Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.3	31.9
279	4.7	3.0	4.4#





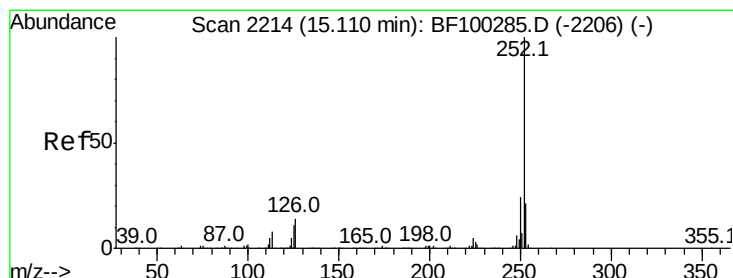
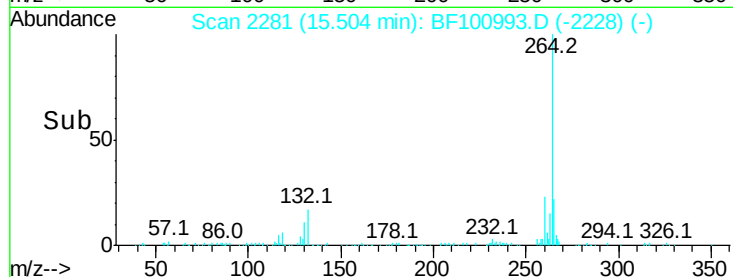
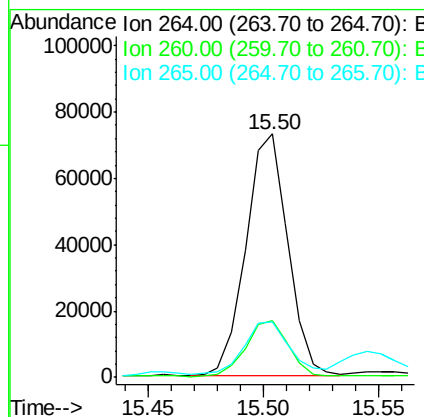
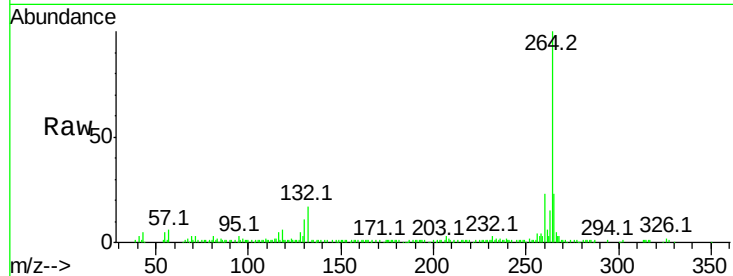
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.9	17.5	26.3

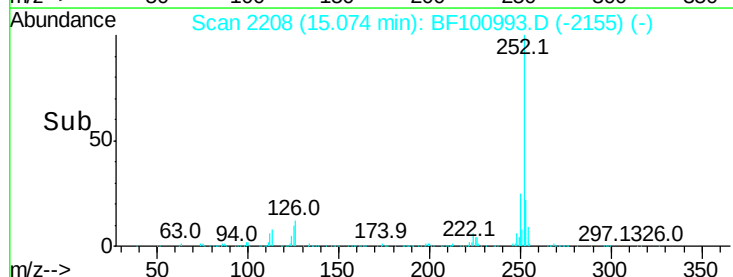
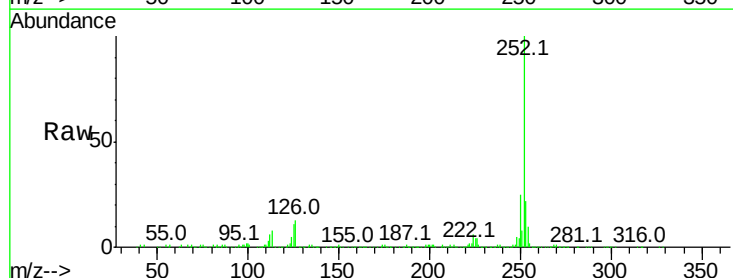
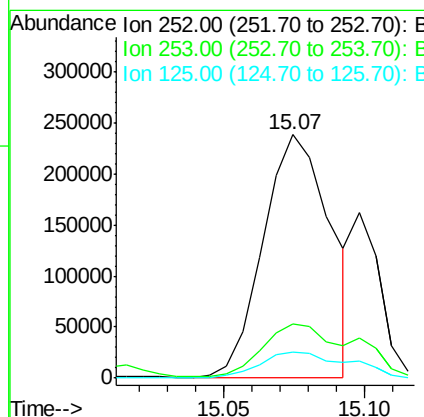
Manual Integrations
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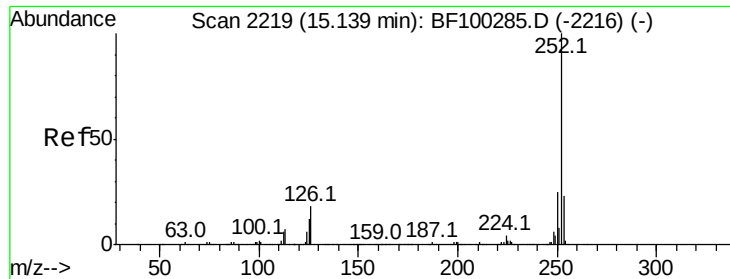
Sohil
11/30/2017 4:30:13 PM



#87
Benzo(b)fluoranthene
Concen: 71.870 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	10.7	9.0	13.6





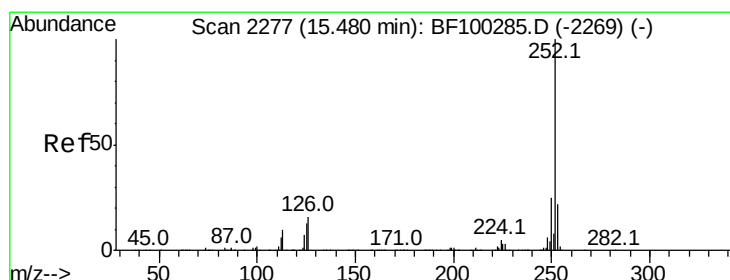
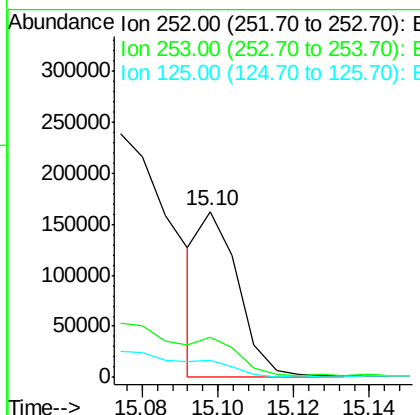
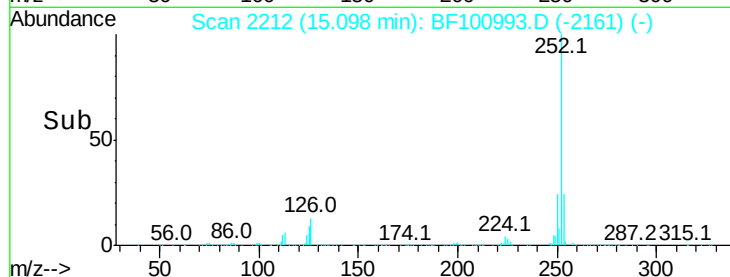
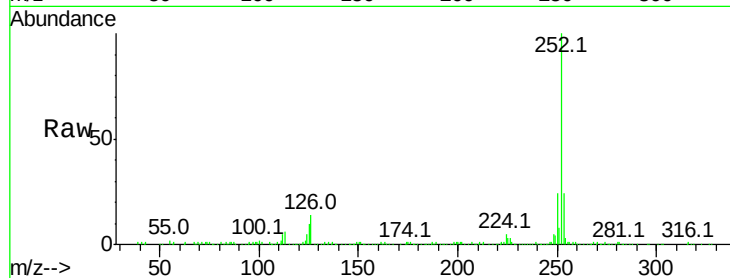
#88
Benzo(k)fluoranthene
Concen: 22.201 ng
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	9.9	10.2	15.2

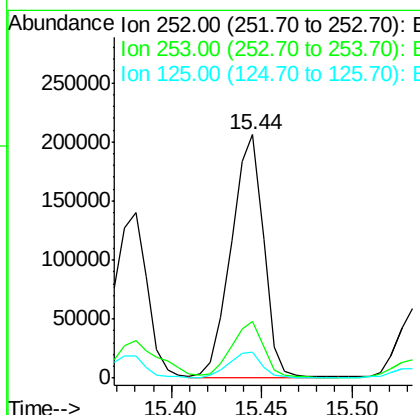
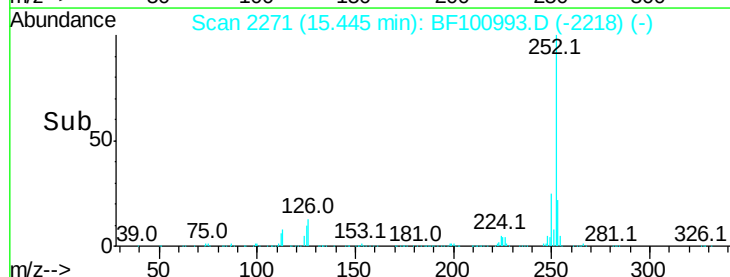
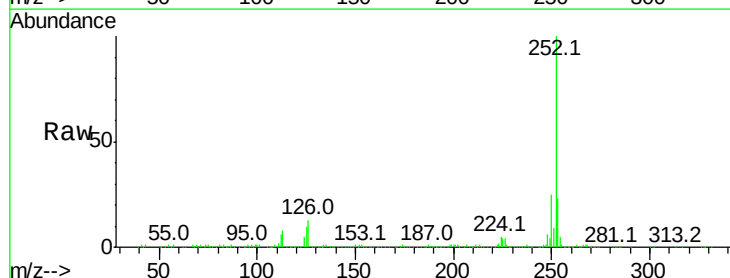
Manual Integrations
APPROVED

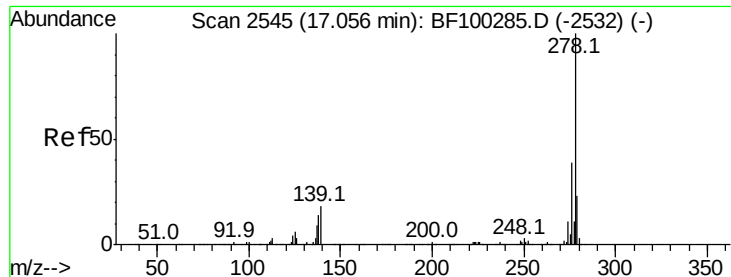
Sohil
11/30/2017 4:30:13 PM



#89
Benzo(a)pyrene
Concen: 52.278 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	10.5	9.8	14.6





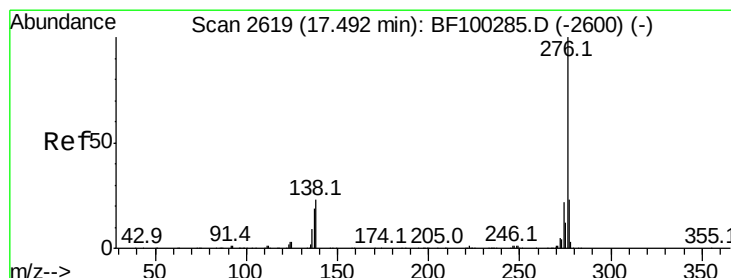
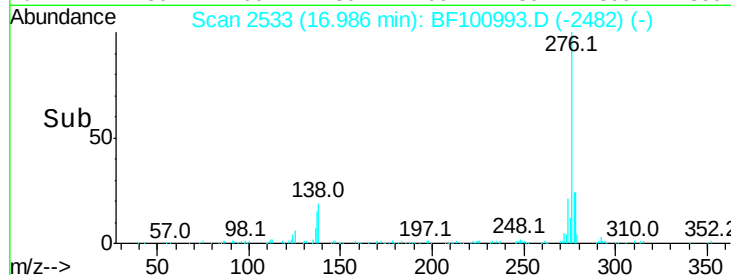
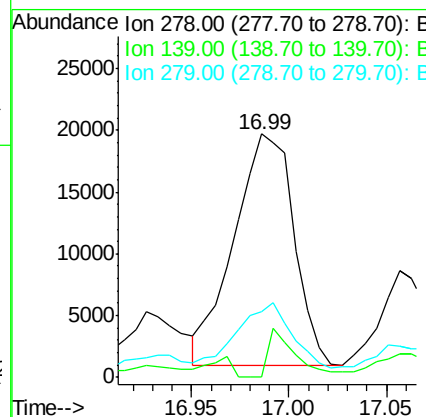
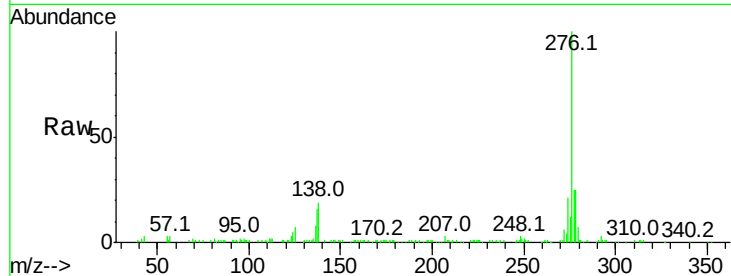
#90
Dibenzo(a,h)anthracene
Concen: 9.955 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.00 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.2	19.0	28.4

Manual Integrations
APPROVED

Sohil
11/30/2017 4:30:13 PM



#91
Benzo(g,h,i)perylene
Concen: 36.486 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BF100993.D
Acq: 29 Nov 2017 22:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	20.8	21.8	32.8#

