

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF101000.D
 Acq On : 30 Nov 2017 2:35
 Operator : SJ/JU
 Sample : I6610-20DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(10-12)-20171127DL

Manual Integrations
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Quant Time: Nov 30 07:41:50 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	52927	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	189466	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	72439	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	125942	20.00	ng	0.00
75) Chrysene-d12	14.03	240	114561	20.00	ng	0.00
86) Perylene-d12	15.50	264	87082	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	71636	21.70	ng	-0.01
7) Phenol-d6	6.47	99	84673	20.80	ng	-0.02
23) Nitrobenzene-d5	7.41	82	46414	16.20	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	16309	22.09	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	103682	21.79	ng	-0.01
78) Terphenyl-d14	12.96	244	87524	17.55	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.16	128	20783	2.277	ng	96
48) Acenaphthylene	9.75	152	18380	2.440	ng	99
51) Acenaphthene	9.92	154	15838	3.457	ng	97
54) Dibenzofuran	10.09	168	14793	2.304	ng	# 96
57) Fluorene	10.44	166	21295	4.527	ng	99
70) Phenanthrene	11.40	178	276785	41.741	ng	99
71) Anthracene	11.46	178	66267	9.850	ng	97
72) Carbazole	11.61	167	21599	3.480	ng	100
74) Fluoranthene	12.60	202	403658	57.439	ng	94
77) Pyrene	12.83	202	369463	45.242	ng	98
80) Benzo(a)anthracene	14.02	228	174151	25.244	ng	99
82) Chrysene	14.05	228	160367	24.005	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	51959	9.616	ng	# 89
87) Benzo(b)fluoranthene	15.07	252	153716m	29.795	ng	
88) Benzo(k)fluoranthene	15.09	252	38907m	7.981	ng	
89) Benzo(a)pyrene	15.43	252	97409	21.297	ng	95
90) Dibenzo(a,h)anthracene	16.99	278	14062	3.759	ng	92
91) Benzo(g,h,i)perylene	17.43	276	51805m	14.149	ng	

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

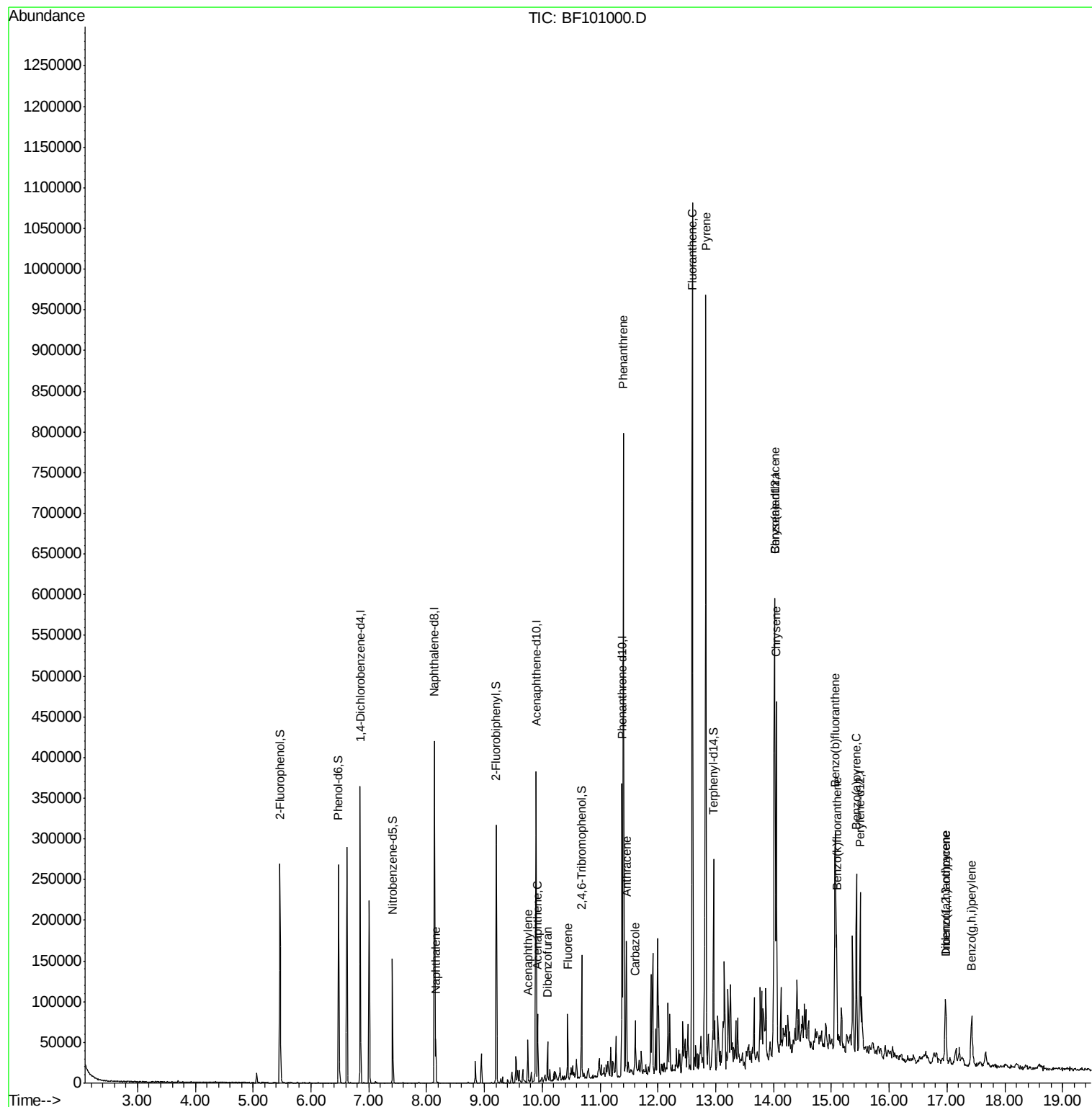
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
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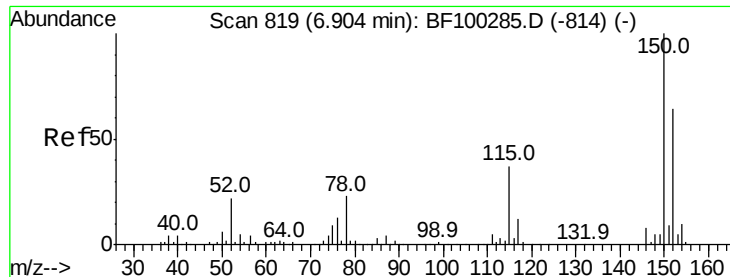
Instrument :
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SB-12(10-12)-20171127DL

Quant Time: Nov 30 07:41:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

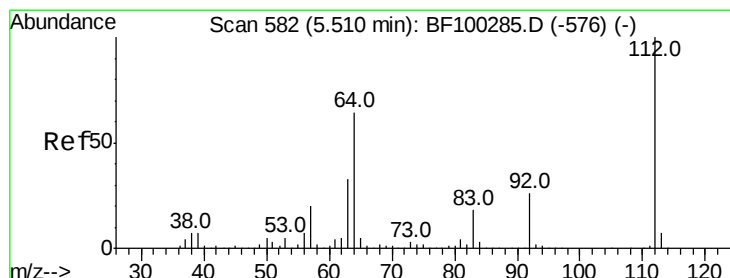
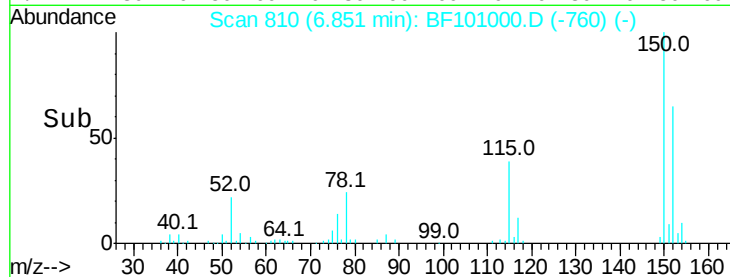
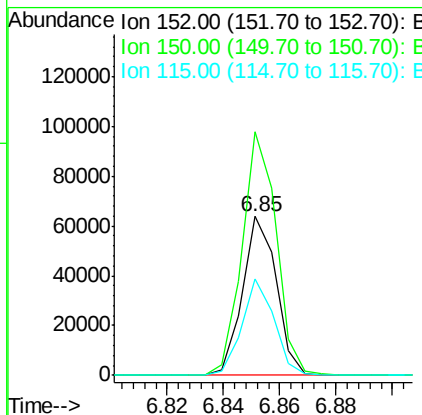
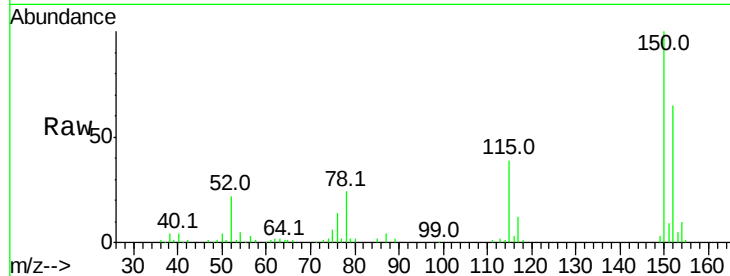
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Instrument :
BNA_F
ClientSampleId :
SB-12(10-12)-20171127DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	60.5	50.1	75.1

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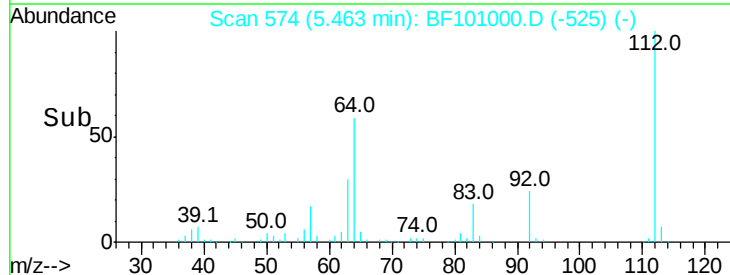
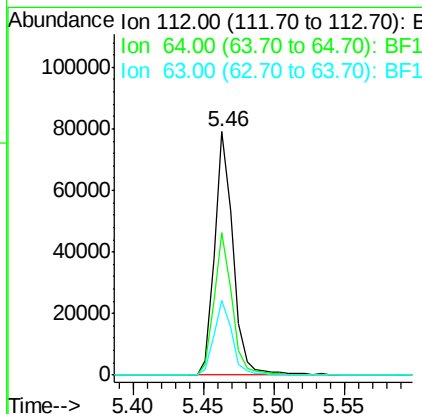
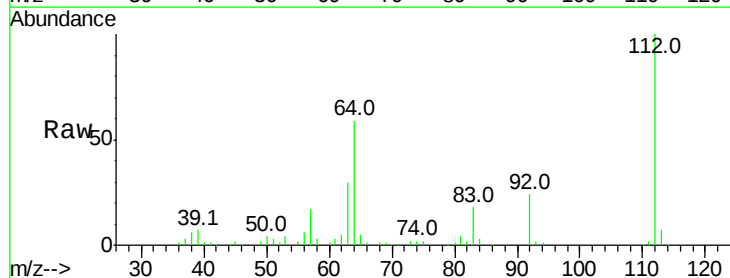
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#5

2-Fluorophenol
Concen: 21.696 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 20.796 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Instrument :

BNA_F

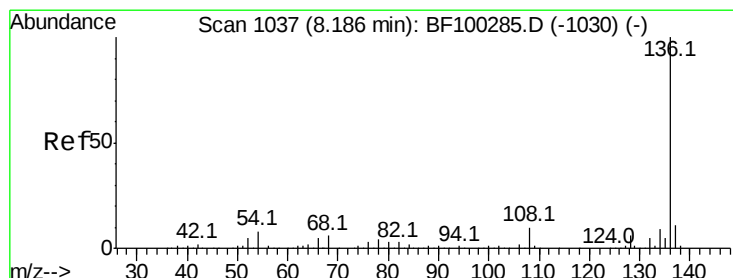
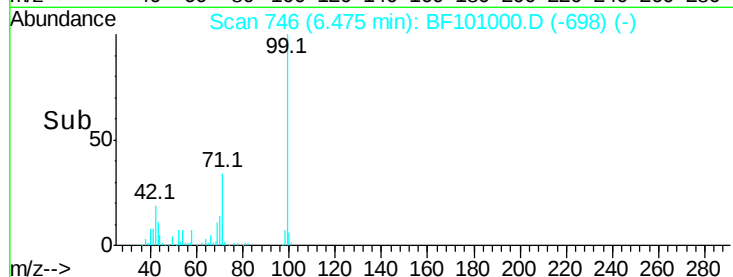
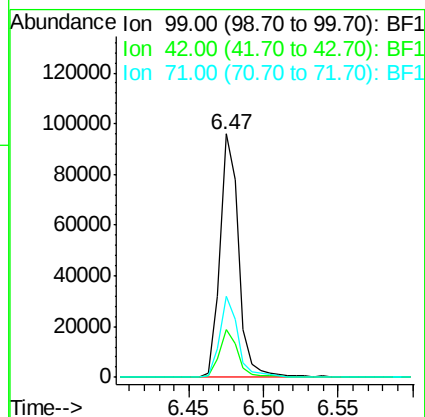
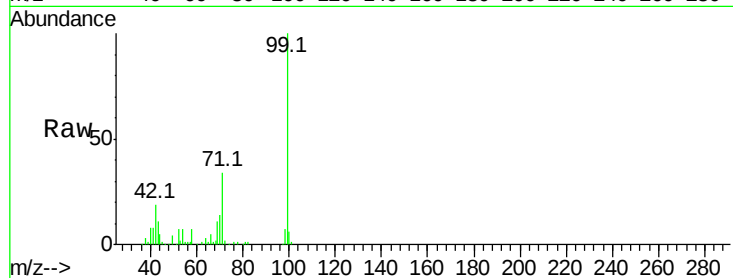
ClientSampleId :

SB-12(10-12)-20171127DL

Tot Ion:	99	Resp:	84673
Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	33.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

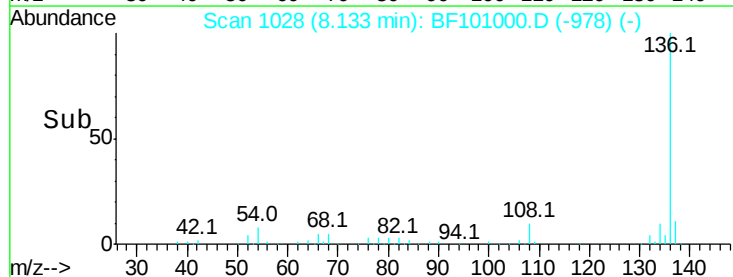
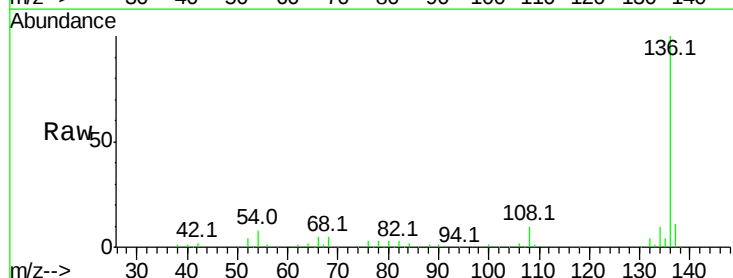
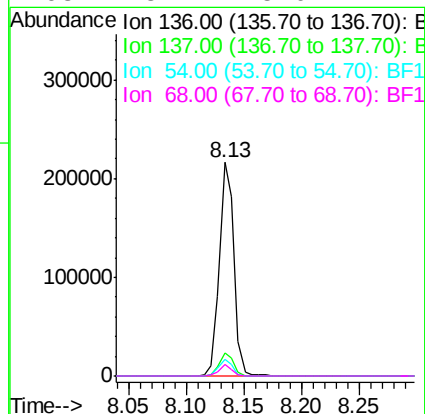
RT: 8.13 min Scan# 1028

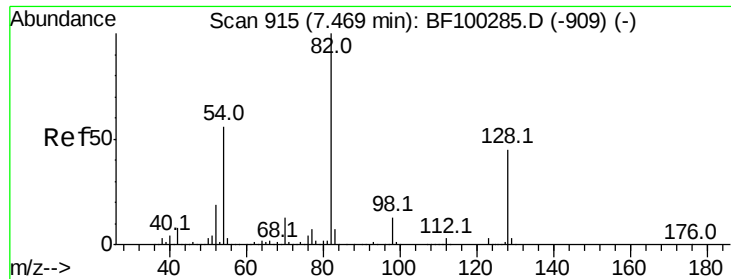
Delta R.T. -0.01 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Tgt Ion:	136	Resp:	189466
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.8	6.6	9.8
68	5.2	5.0	7.4





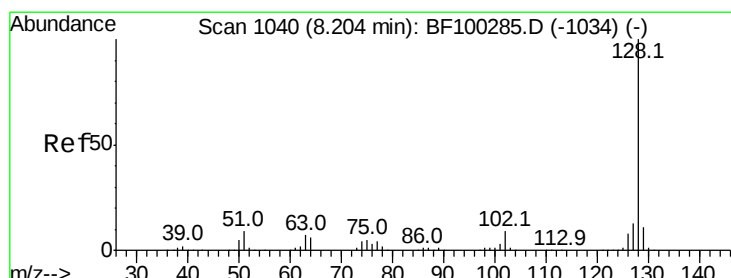
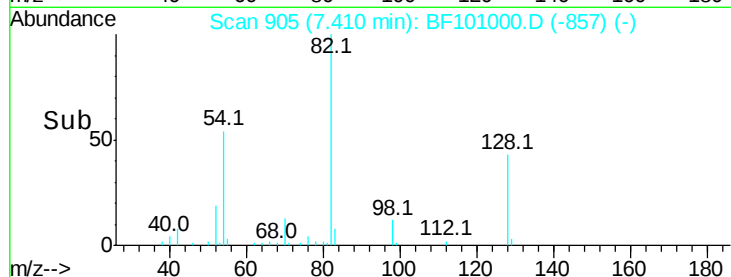
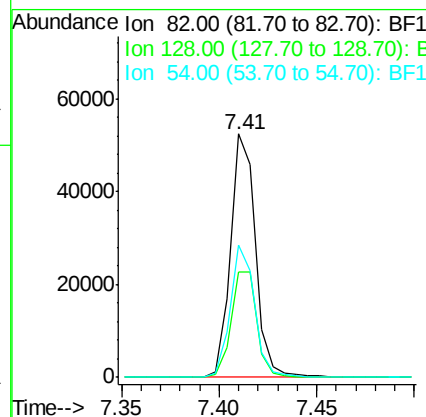
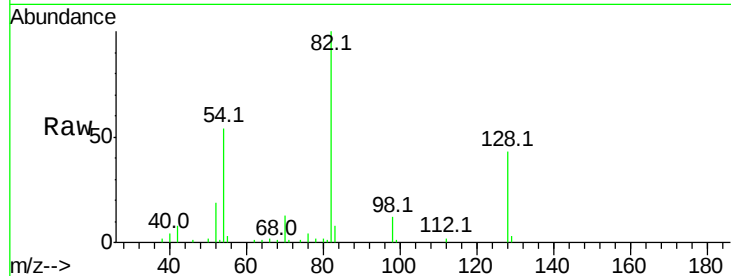
#23
Nitrobenzene-d5
Concen: 16.196 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Instrument :
BNA_F
ClientSampleId :
SB-12(10-12)-20171127DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	54.4	41.4	62.2

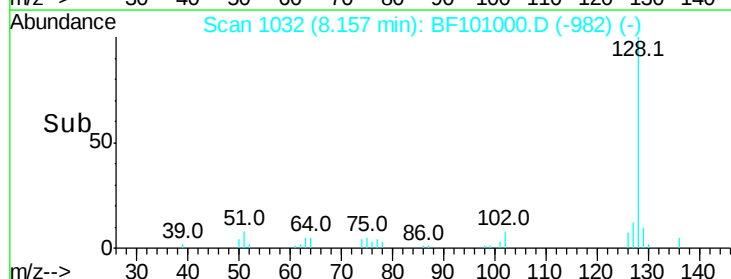
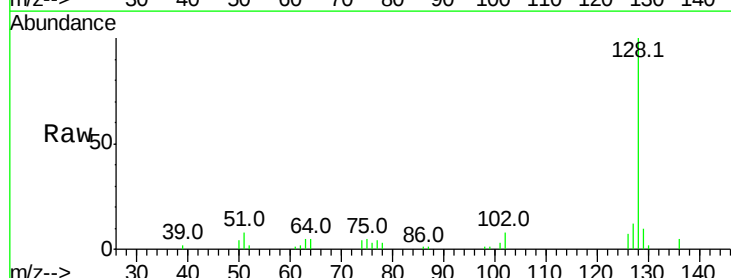
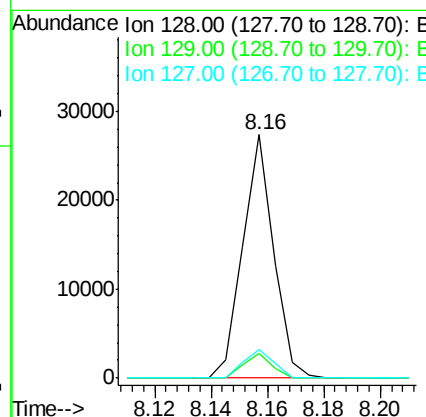
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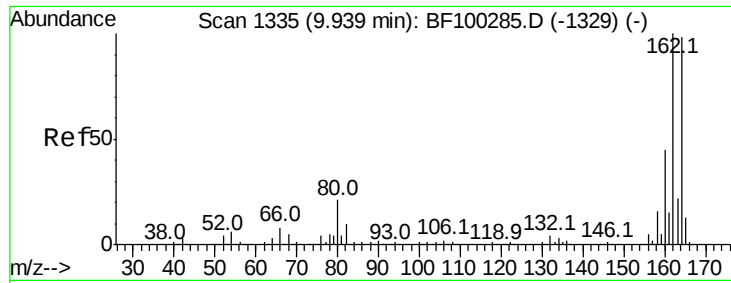
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#31
Naphthalene
Concen: 2.277 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.8	13.2
127	11.9	10.9	16.3





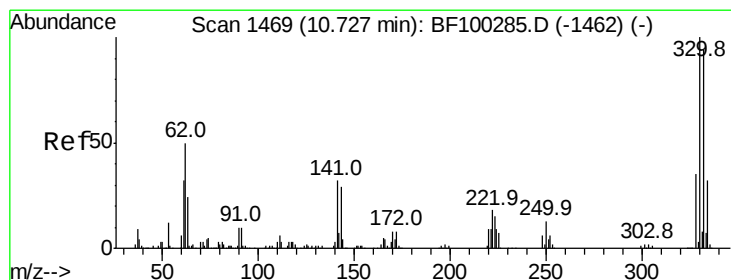
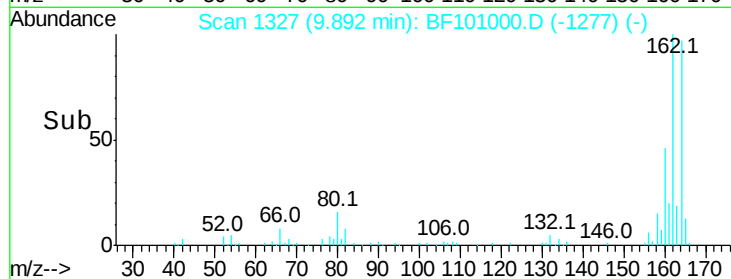
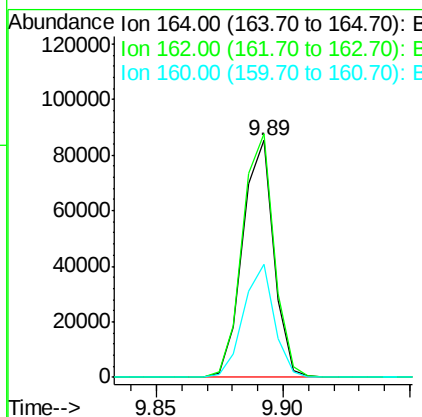
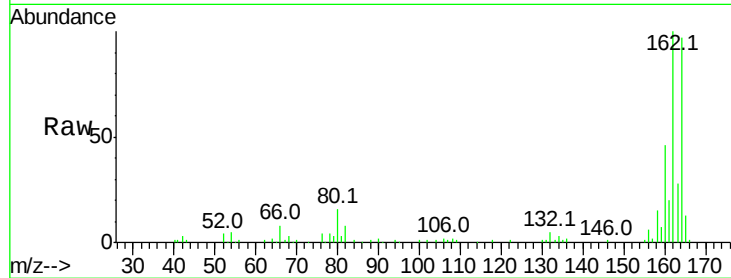
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF101000.D
 Acq: 30 Nov 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(10-12)-20171127DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	86.1	129.1
160	47.7	38.3	57.5

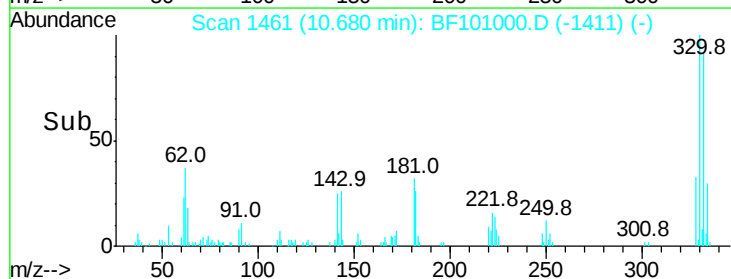
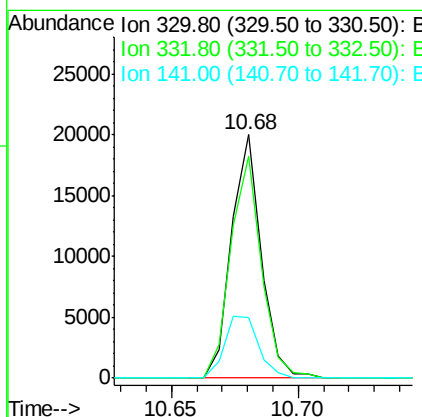
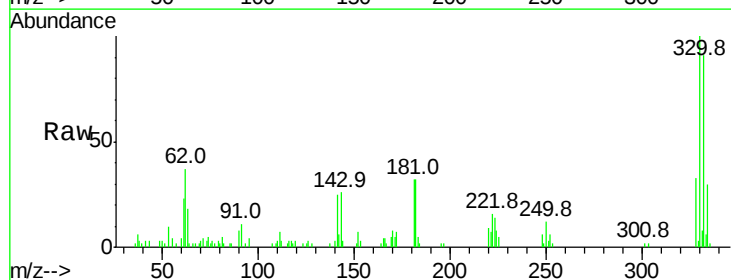
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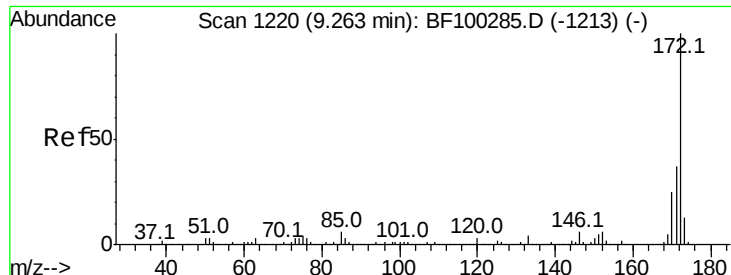
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#41
 2,4,6-Tribromophenol
 Concen: 22.094 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101000.D
 Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	29.0	29.9	44.9#





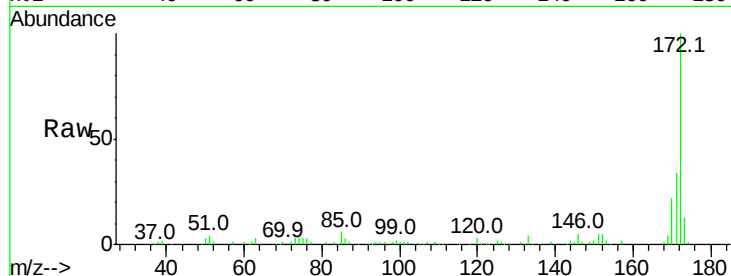
#44
 2-Fluorobiphenyl
 Concen: 21.795 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101000.D
 Acq: 30 Nov 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(10-12)-20171127DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.4	29.7	44.5	
170	21.8	19.6	29.4	

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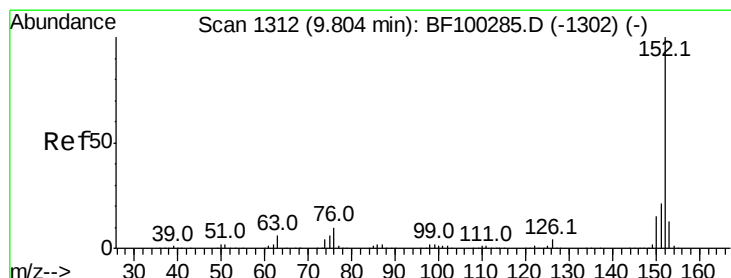
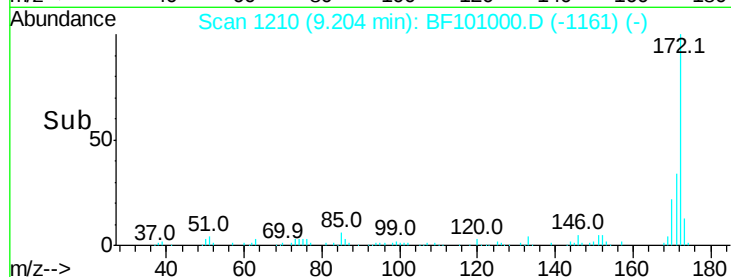
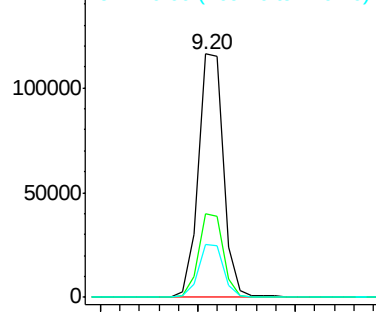


Abundance

Ion 172.00 (171.70 to 172.70): E

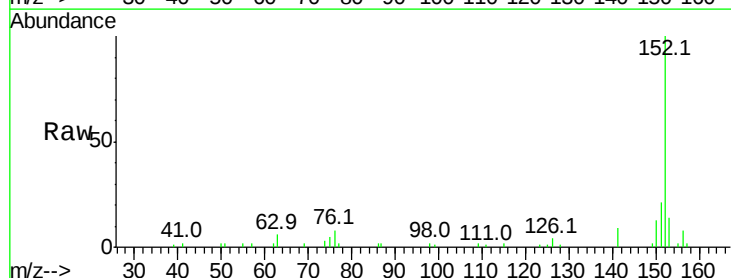
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#48
 Acenaphthylene
 Concen: 2.440 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF101000.D
 Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.6	16.3	24.5	
153	14.4	10.7	16.1	

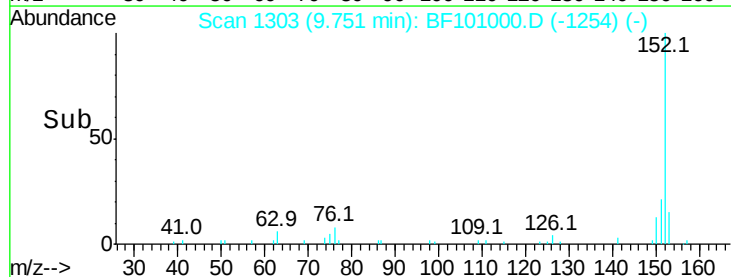
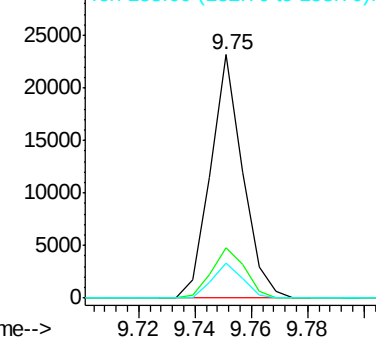


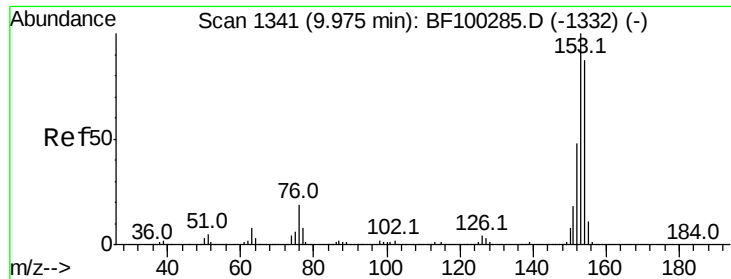
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 3.457 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Instrument :

BNA_F

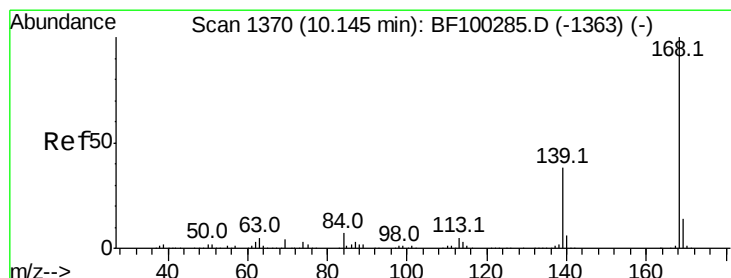
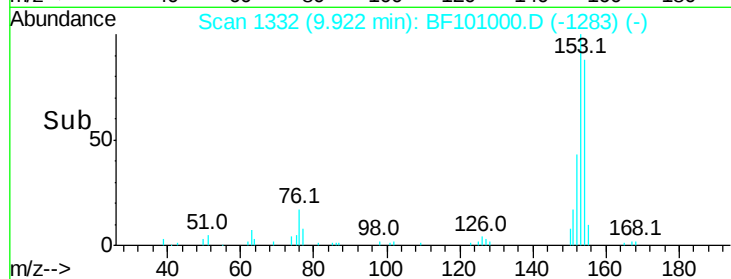
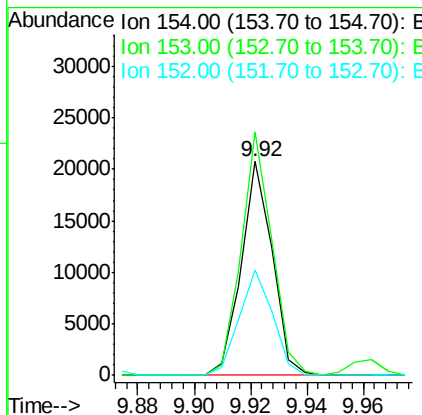
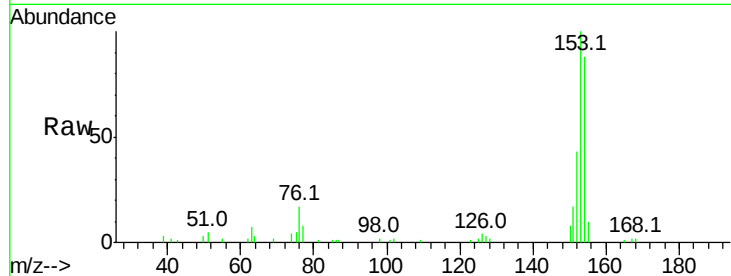
ClientSampleId :

SB-12(10-12)-20171127DL

Tot Ion:	154	Resp:	15838
Ion Ratio	Lower	Upper	
154	100		
153	113.7	91.2	136.8
152	49.1	43.8	65.8

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#54

Dibenzofuran

Concen: 2.304 ng

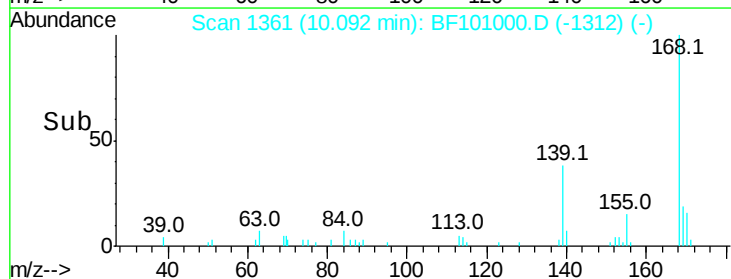
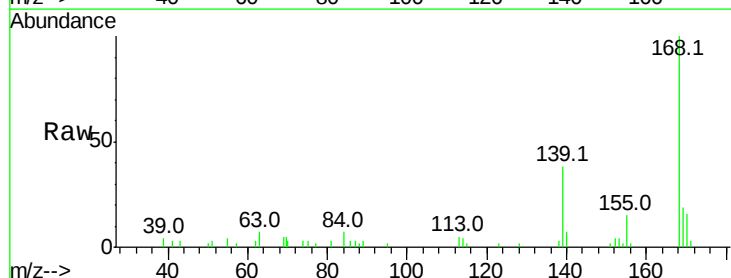
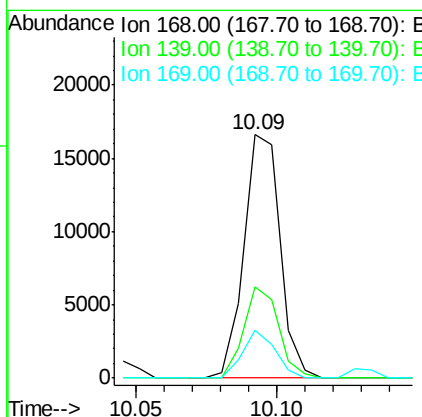
RT: 10.09 min Scan# 1361

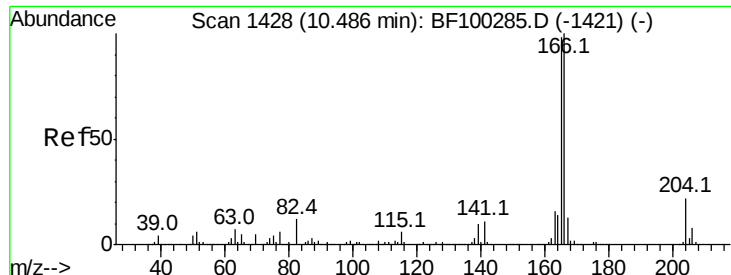
Delta R.T. -0.01 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Tgt Ion:	168	Resp:	14793
Ion Ratio	Lower	Upper	
168	100		
139	37.7	30.1	45.1
169	19.5	10.9	16.3#





#57

Fluorene

Concen: 4.527 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Instrument :

BNA_F

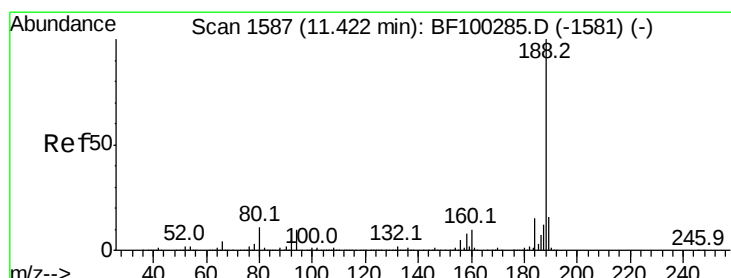
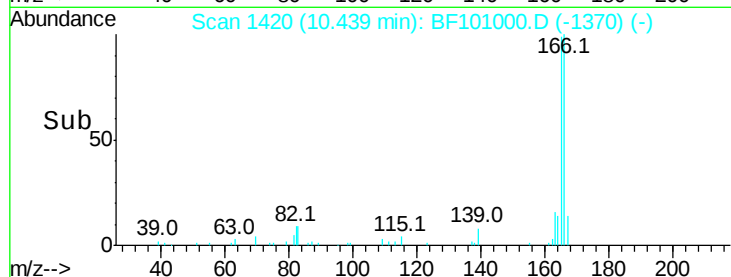
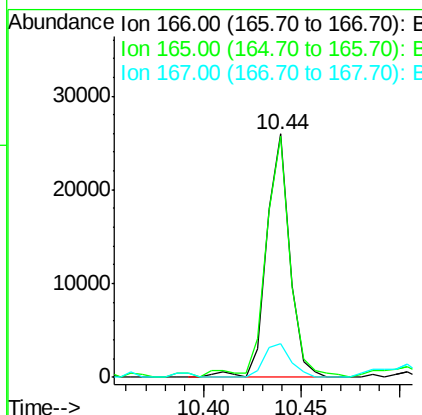
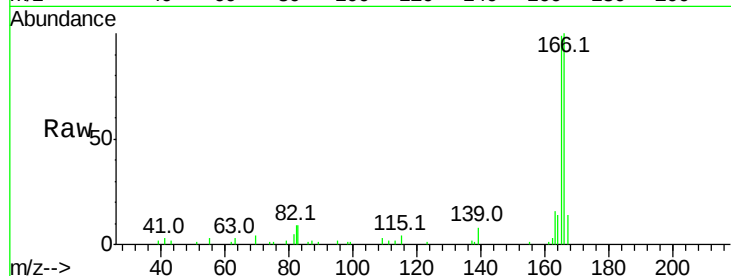
ClientSampleId :

SB-12(10-12)-20171127DL

Tot Ion:	166	Resp:	21295
Ion Ratio	Lower	Upper	
166	100		
165	99.0	79.8	119.8
167	13.8	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

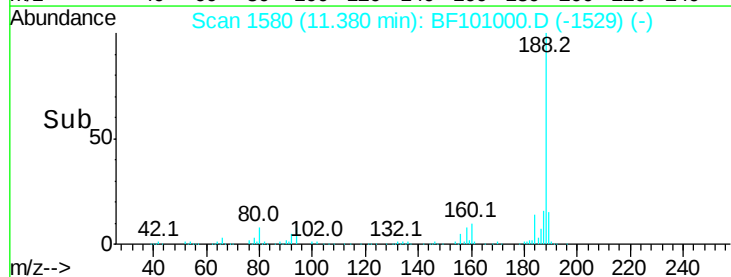
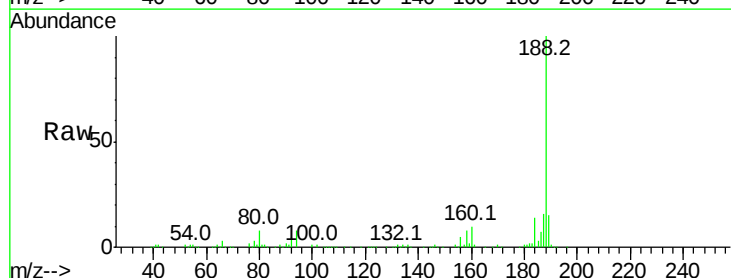
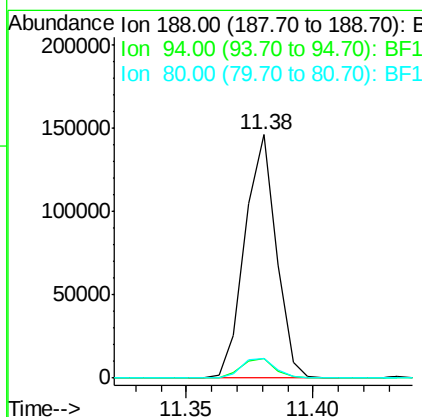
RT: 11.38 min Scan# 1580

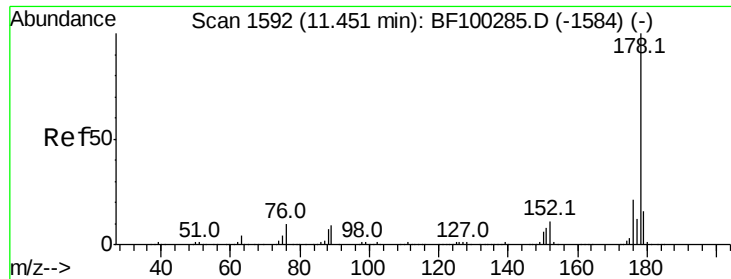
Delta R.T. -0.00 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Tgt Ion:	188	Resp:	125942
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.5	12.7#
80	8.3	9.2	13.8#





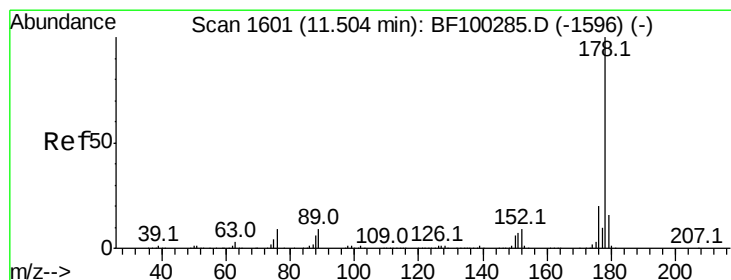
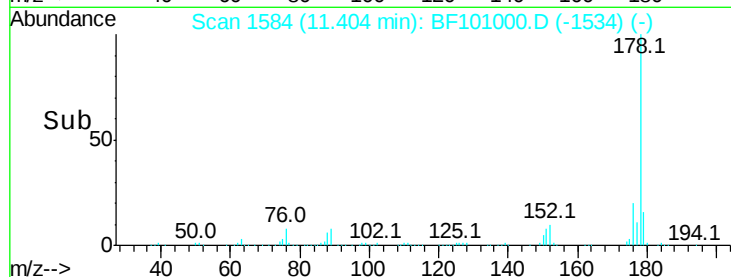
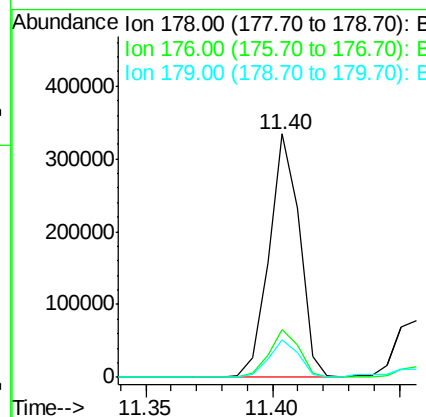
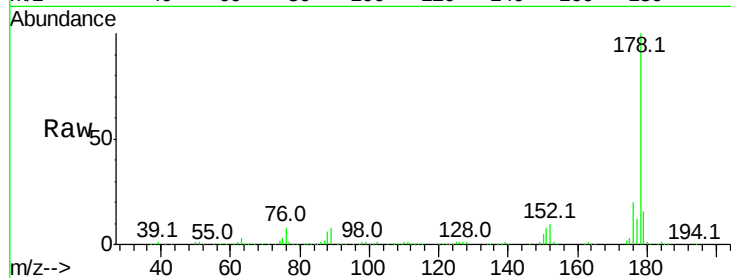
#70
Phenanthrene
Concen: 41.741 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Instrument :
BNA_F
ClientSampleId :
SB-12(10-12)-20171127DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.5	13.0	19.6

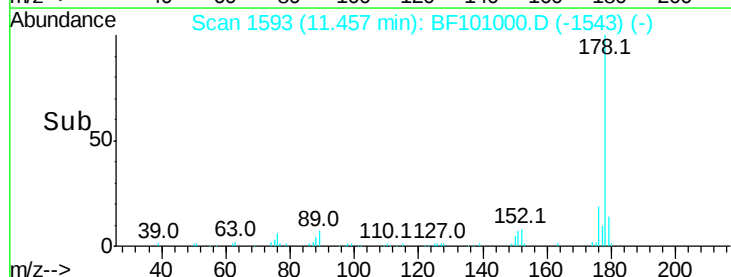
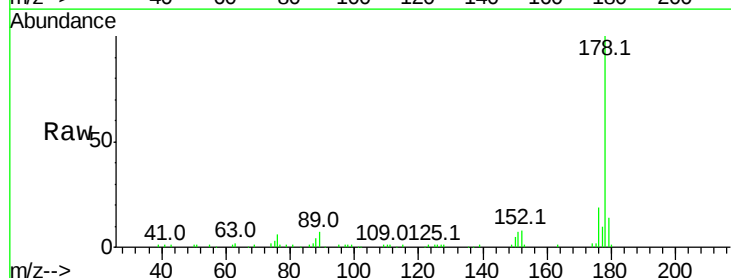
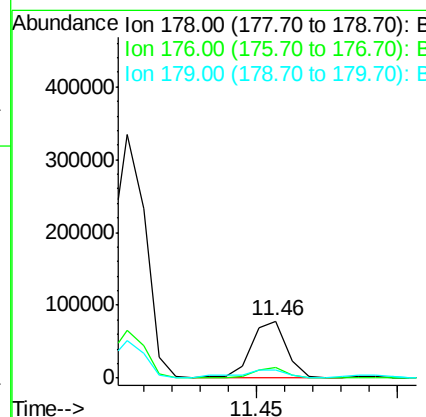
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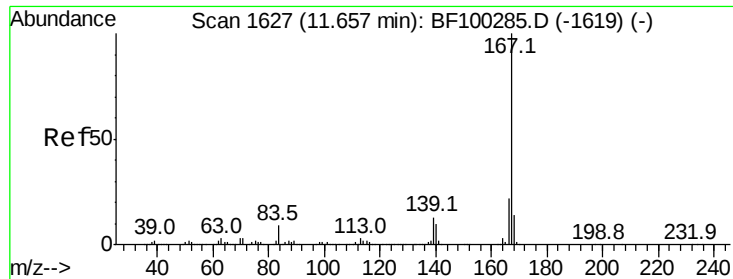
Sohil
11/30/2017 4:32:29 PM



#71
Anthracene
Concen: 9.850 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	13.7	12.6	19.0





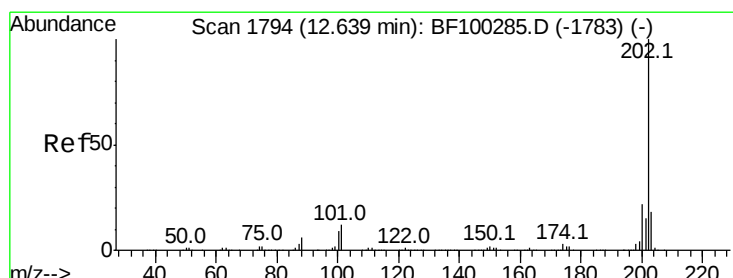
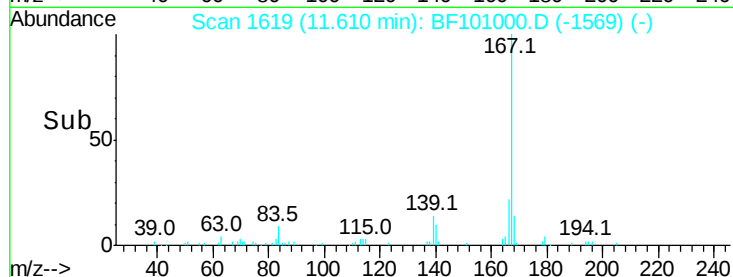
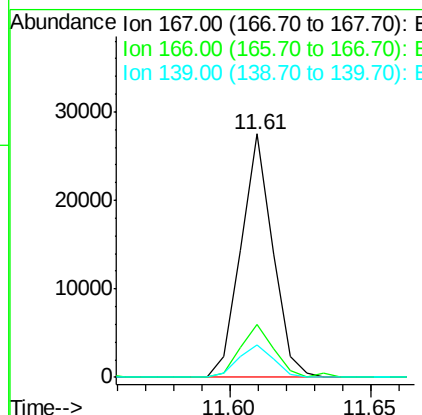
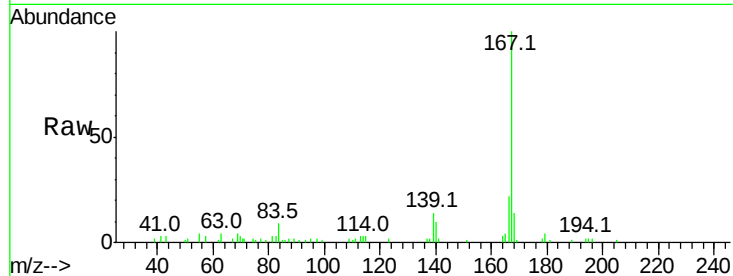
#72
 Carbazole
 Concen: 3.480 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF101000.D
 Acq: 30 Nov 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(10-12)-20171127DL

Tot Ion	Ratio	Resp Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.5	10.9	16.3

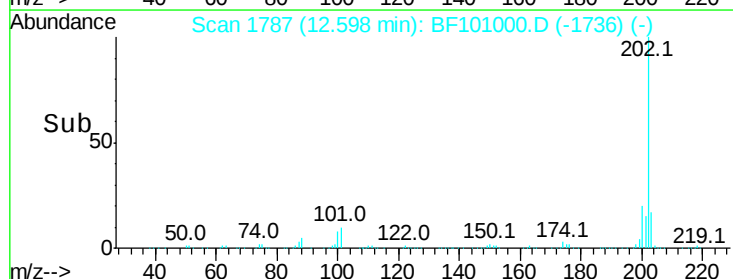
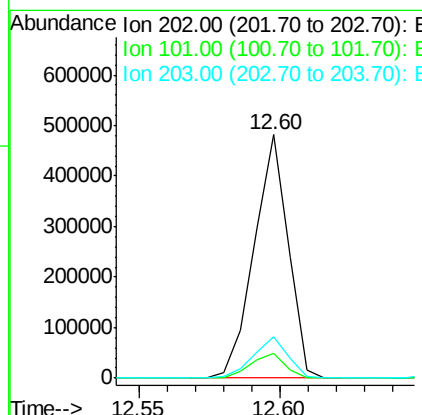
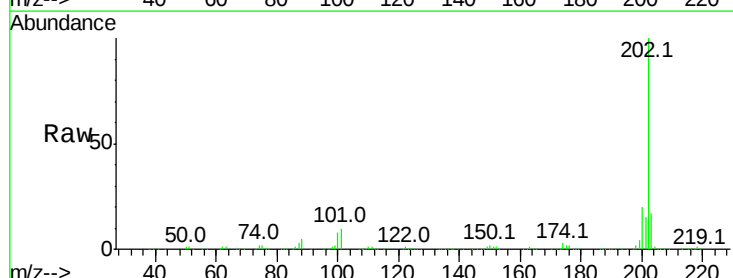
Manual Integrations
 APPROVED

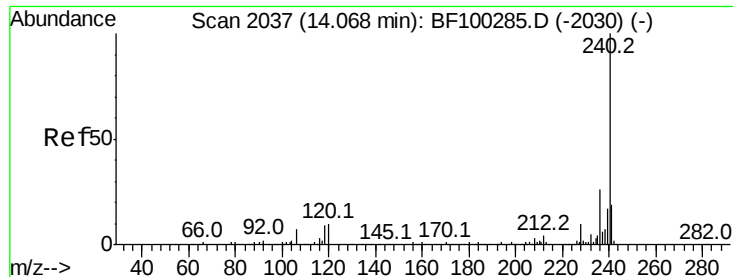
Sohil
 11/30/2017 4:32:29 PM



#74
 Fluoranthene
 Concen: 57.439 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF101000.D
 Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	34.1
203	16.9	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: BF101000.D

Acq: 30 Nov 2017 2:35

Instrument :

BNA_F

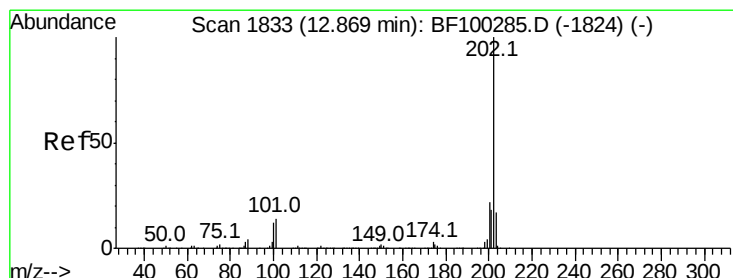
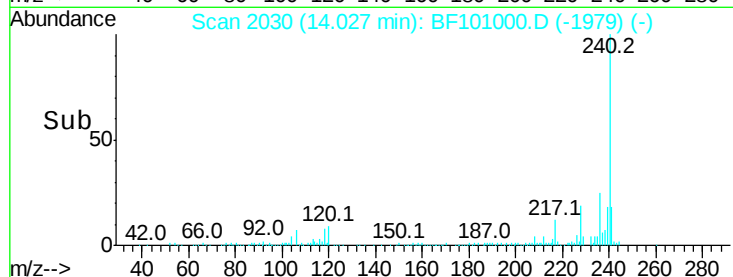
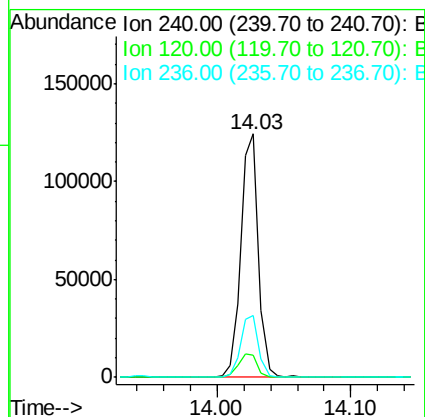
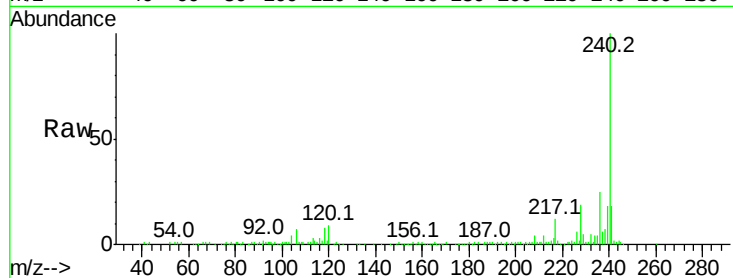
ClientSampleId :

SB-12(10-12)-20171127DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	114561		
120	9.0	9.5	14.3	#
236	25.3	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 45.242 ng

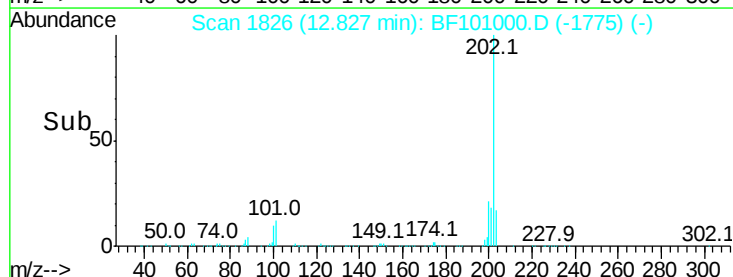
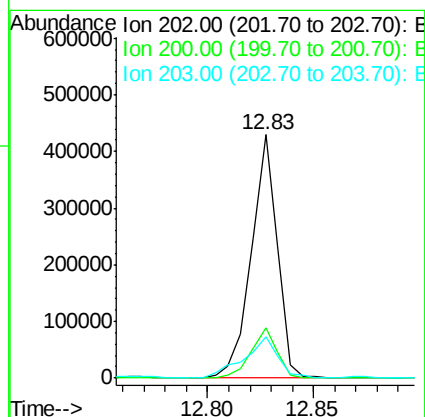
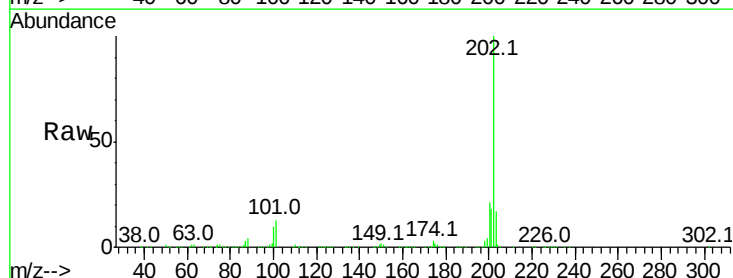
RT: 12.83 min Scan# 1826

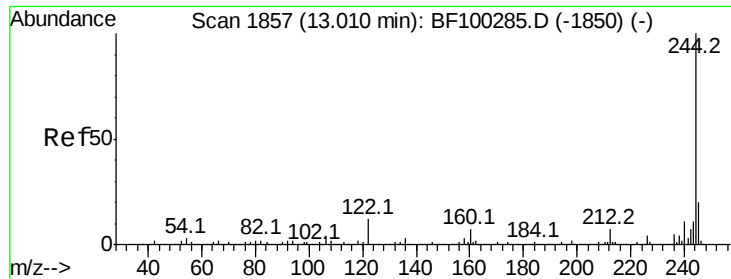
Delta R.T. -0.00 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	369463		
200	20.7	17.4	26.2	
203	17.0	14.3	21.5	





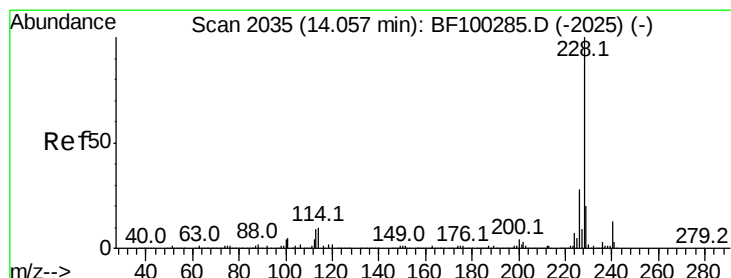
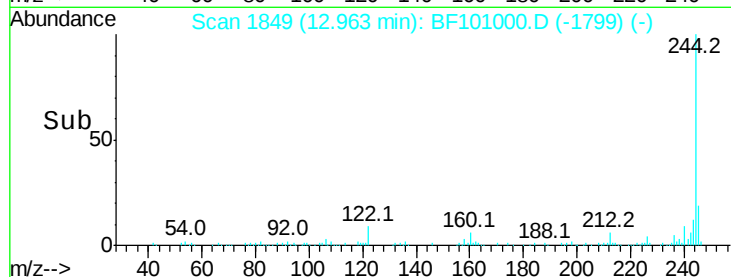
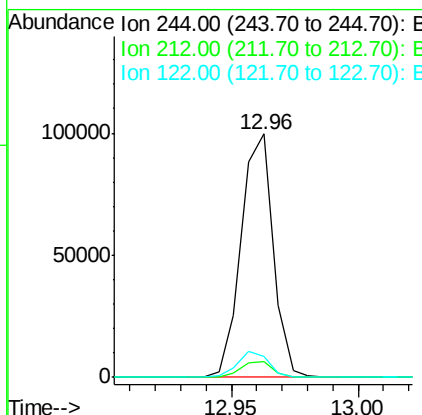
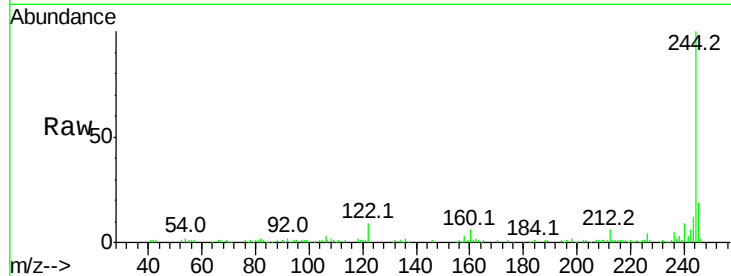
#78
 Terphenyl-d14
 Concen: 17.554 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF101000.D
 Acq: 30 Nov 2017 2:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(10-12)-20171127DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.7	11.0	16.4

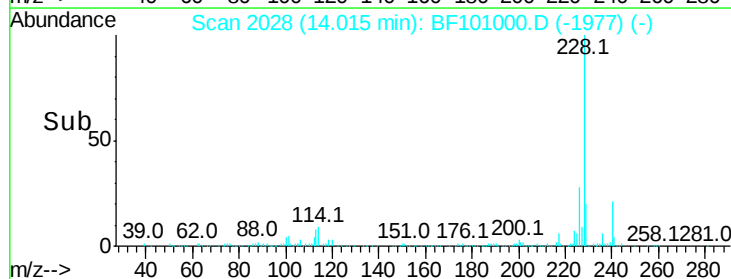
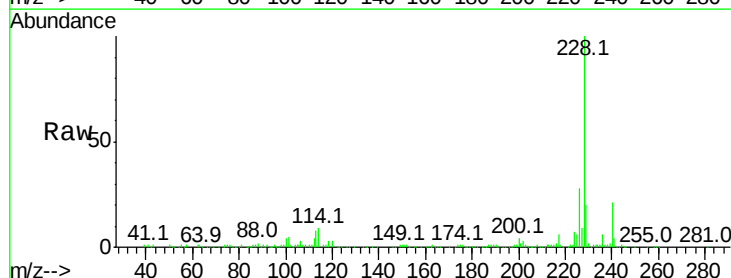
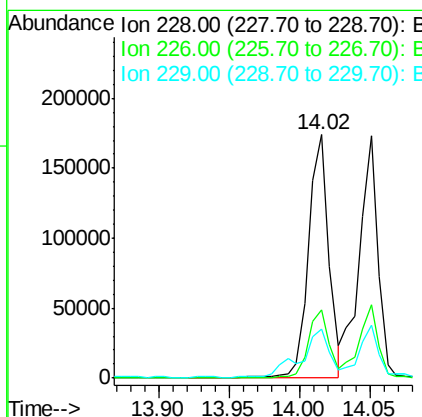
Manual Integrations
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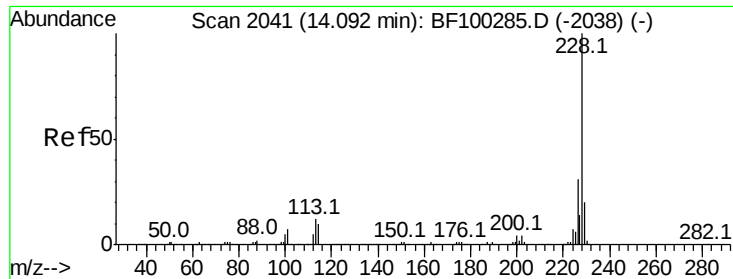
Sohil
 11/30/2017 4:32:29 PM



#80
 Benzo(a)anthracene
 Concen: 25.244 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.00 min
 Lab File: BF101000.D
 Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 24.005 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Instrument :

BNA_F

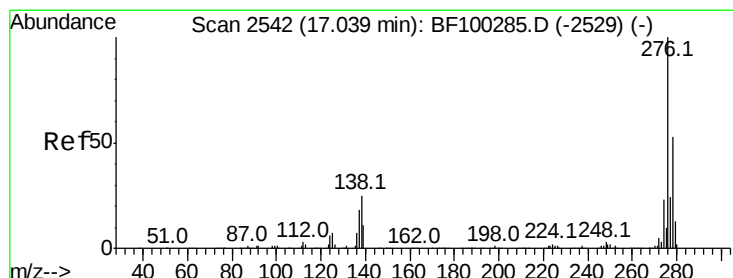
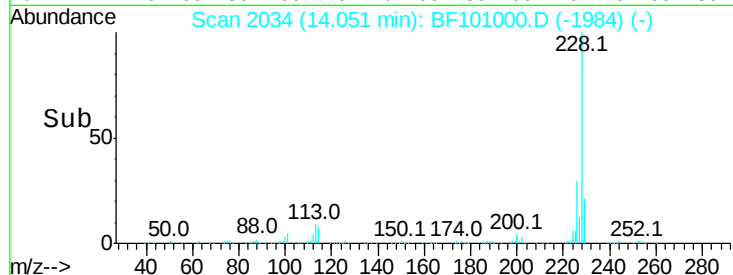
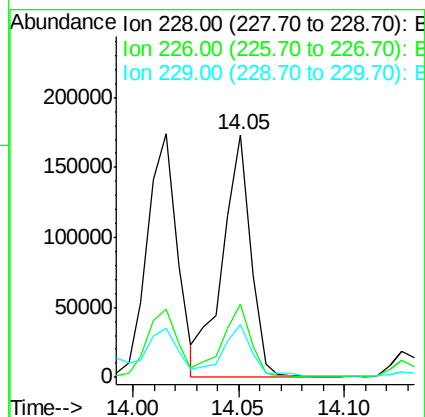
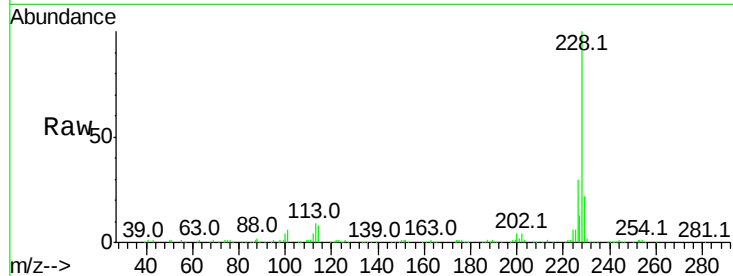
ClientSampleId :

SB-12(10-12)-20171127DL

Tot Ion:	228	Resp:	160367
Ion Ratio		Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.6	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.616 ng

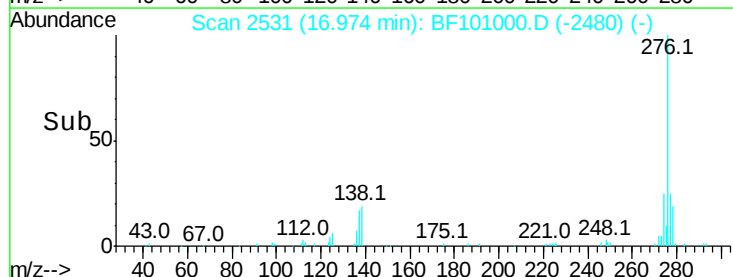
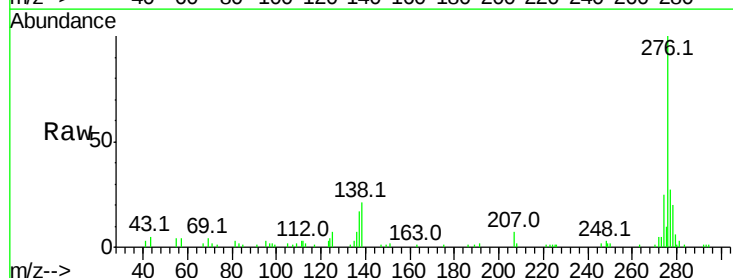
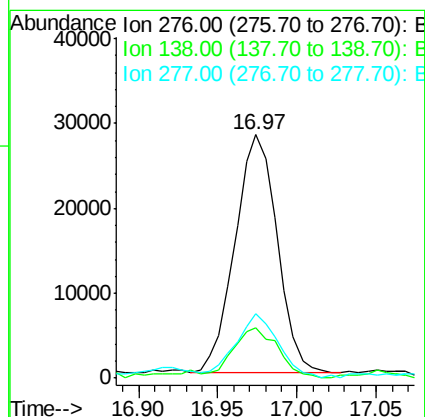
RT: 16.97 min Scan# 2531

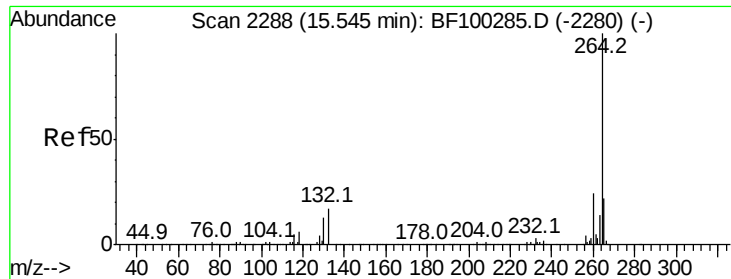
Delta R.T. -0.00 min

Lab File: BF101000.D

Acq: 30 Nov 2017 2:35

Tgt Ion:	276	Resp:	51959
Ion Ratio		Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	27.3	20.1	30.1





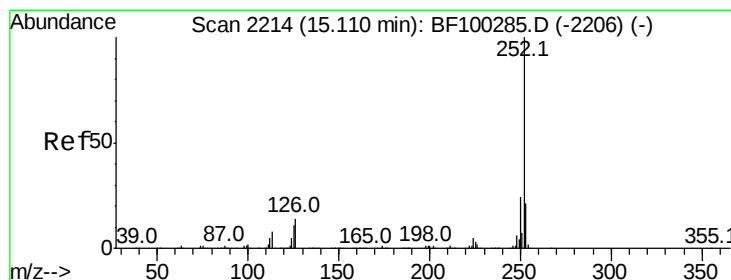
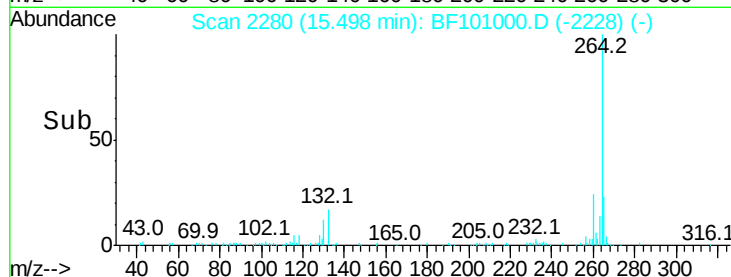
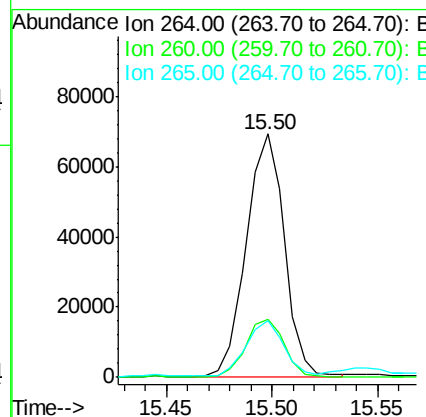
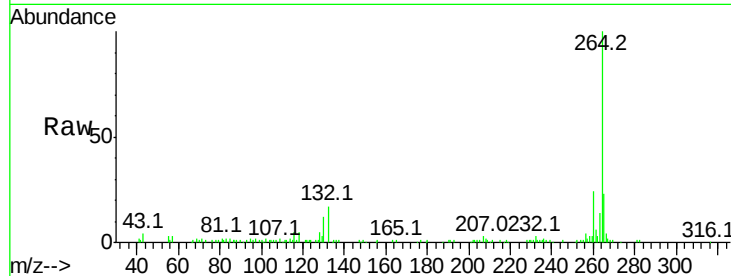
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Instrument :
BNA_F
ClientSampleId :
SB-12(10-12)-20171127DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.4	17.5	26.3

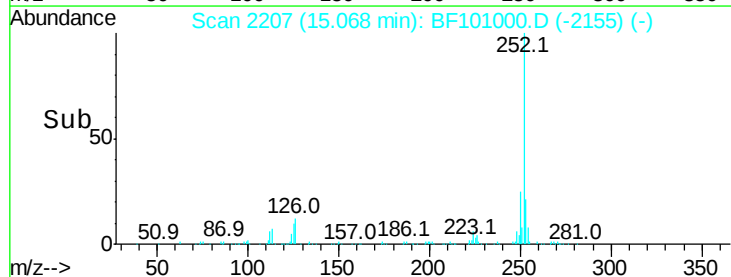
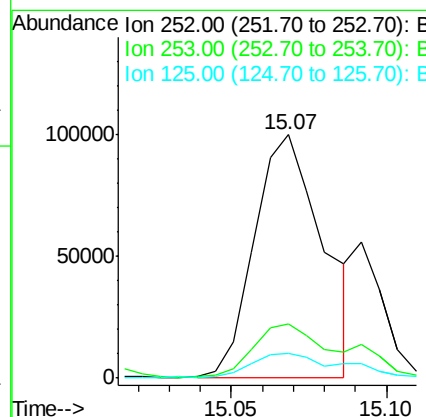
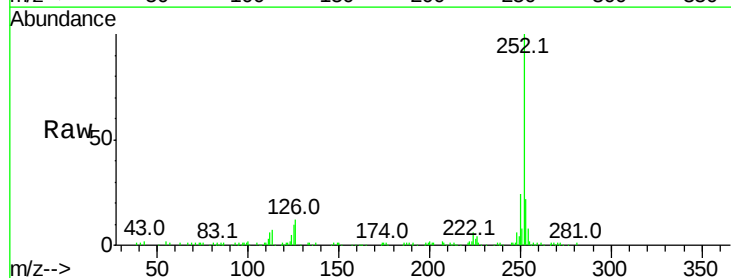
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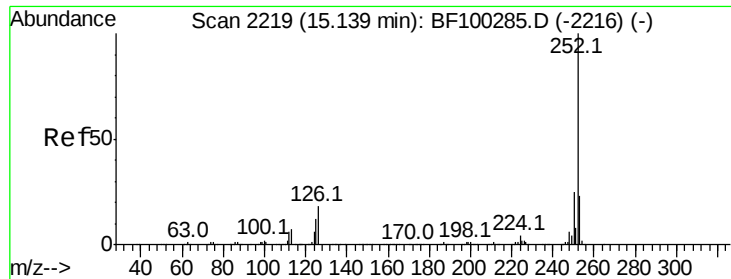
Sohil
11/30/2017 4:32:29 PM



#87
Benzo(b)fluoranthene
Concen: 29.795 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	10.1	9.0	13.6





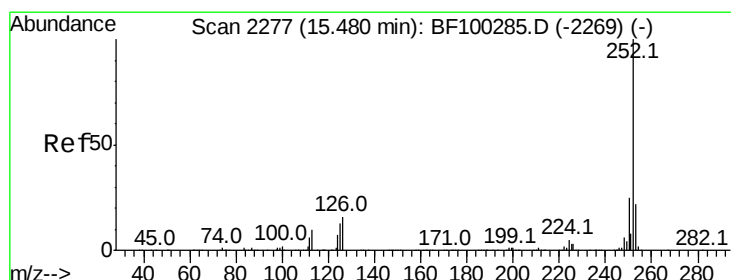
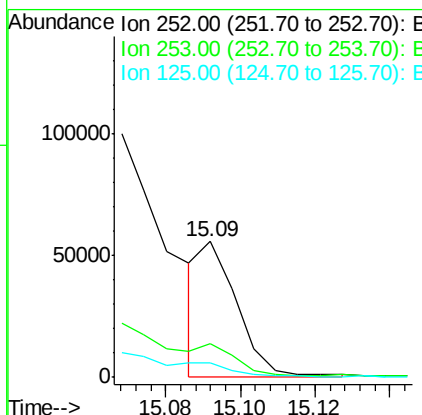
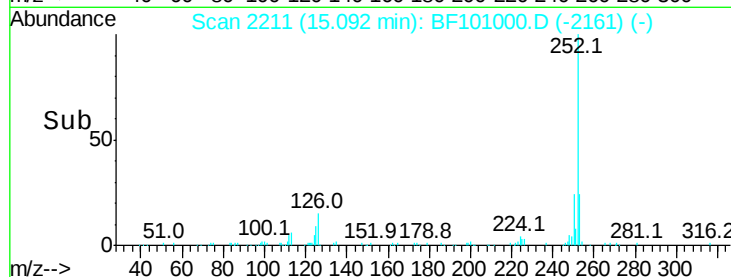
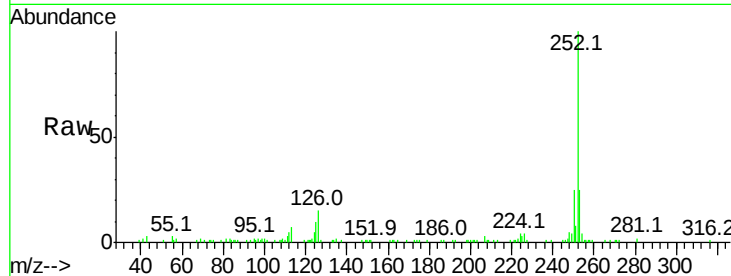
#88
Benzo(k)fluoranthene
Concen: 7.981 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Instrument :
BNA_F
ClientSampleId :
SB-12(10-12)-20171127DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	10.3	10.2	15.2

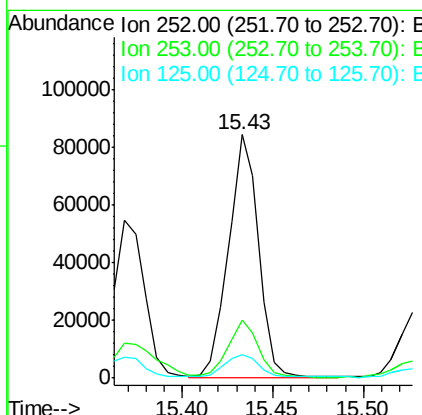
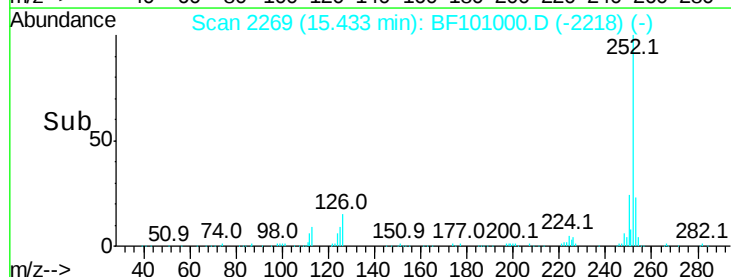
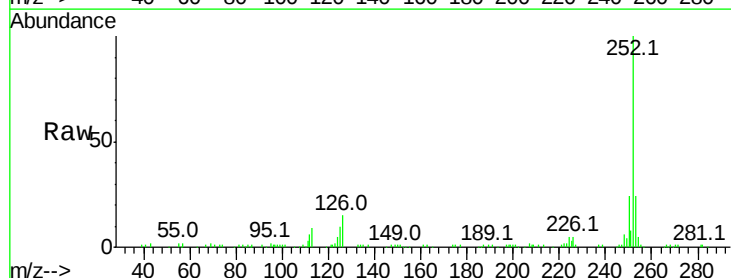
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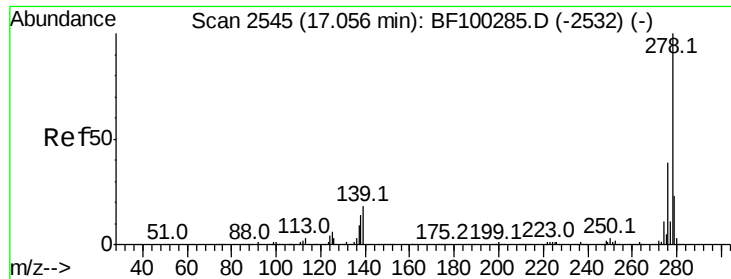
Sohil
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#89
Benzo(a)pyrene
Concen: 21.297 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.00 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	9.8	9.8	14.6





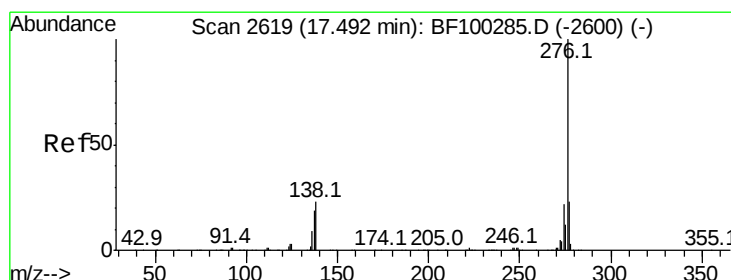
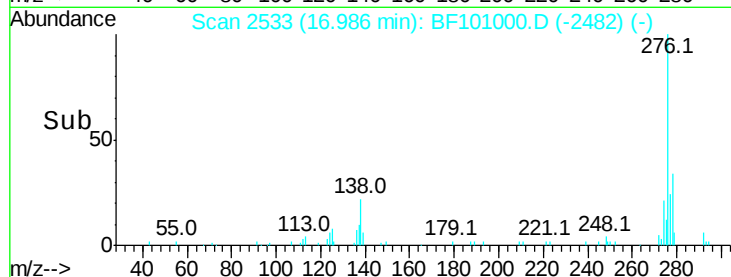
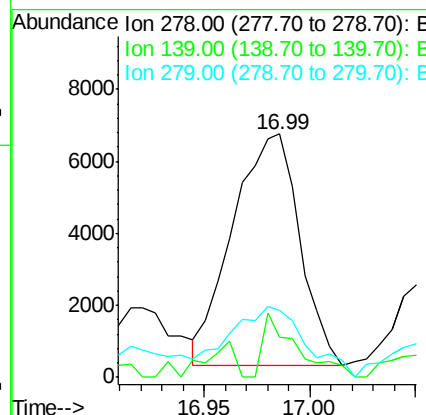
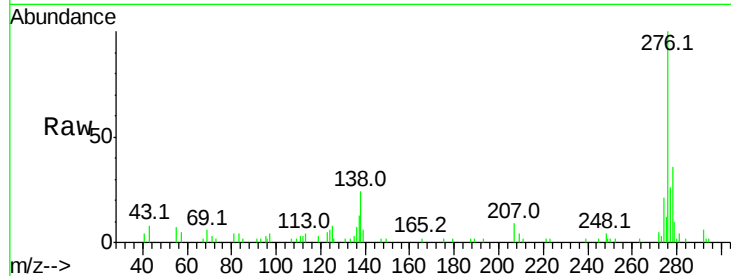
#90
Dibenzo(a,h)anthracene
Concen: 3.759 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Instrument :
BNA_F
ClientSampleId :
SB-12(10-12)-20171127DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	15.9	23.9
279	27.6	19.0	28.4

Manual Integrations
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11/30/2017 4:32:29 PM



#91
Benzo(g,h,i)perylene
Concen: 14.149 ng m
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF101000.D
Acq: 30 Nov 2017 2:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	20.7	21.8	32.8#

