

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101053.D
 Acq On : 1 Dec 2017 9:03
 Operator : SJ/JU
 Sample : I6610-11DL 10X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(4-6)-20171127DL

Manual Integrations
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Sohil
 12/1/2017 11:13:33 AM

Quant Time: Dec 01 10:13:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 09:47:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	50166	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	183689	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	69397	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	109037	20.00	ng	0.00
75) Chrysene-d12	14.02	240	112962	20.00	ng	0.00
86) Perylene-d12	15.49	264	76958	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	25689	8.46	ng	0.00
7) Phenol-d6	6.47	99	32330	8.77	ng	-0.01
23) Nitrobenzene-d5	7.41	82	18485	6.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	5545	6.65	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	43573	8.59	ng	0.00
78) Terphenyl-d14	12.96	244	34563	6.69	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.16	128	113971	12.589	ng	99
37) 2-Methylnaphthalene	8.85	142	26663	4.334	ng	97
51) Acenaphthene	9.92	154	29460	6.630	ng	95
54) Dibenzofuran	10.09	168	28443	4.442	ng	96
57) Fluorene	10.44	166	34226	6.575	ng	97
70) Phenanthrene	11.40	178	301192	50.160	ng	98
71) Anthracene	11.45	178	56170	9.243	ng	97
72) Carbazole	11.61	167	30166	5.433	ng	97
74) Fluoranthene	12.60	202	315922	47.464	ng	94
77) Pyrene	12.83	202	267075	34.264	ng	98
80) Benzo(a)anthracene	14.01	228	133213	18.678	ng	98
82) Chrysene	14.05	228	122353	18.472	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	38632	6.560	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	110284m	23.925	ng	
88) Benzo(k)fluoranthene	15.09	252	38911m	8.568	ng	
89) Benzo(a)pyrene	15.43	252	70508	16.825	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	10655	2.884	ng	97
91) Benzo(g,h,i)perylene	17.42	276	34690	9.963	ng	# 91

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

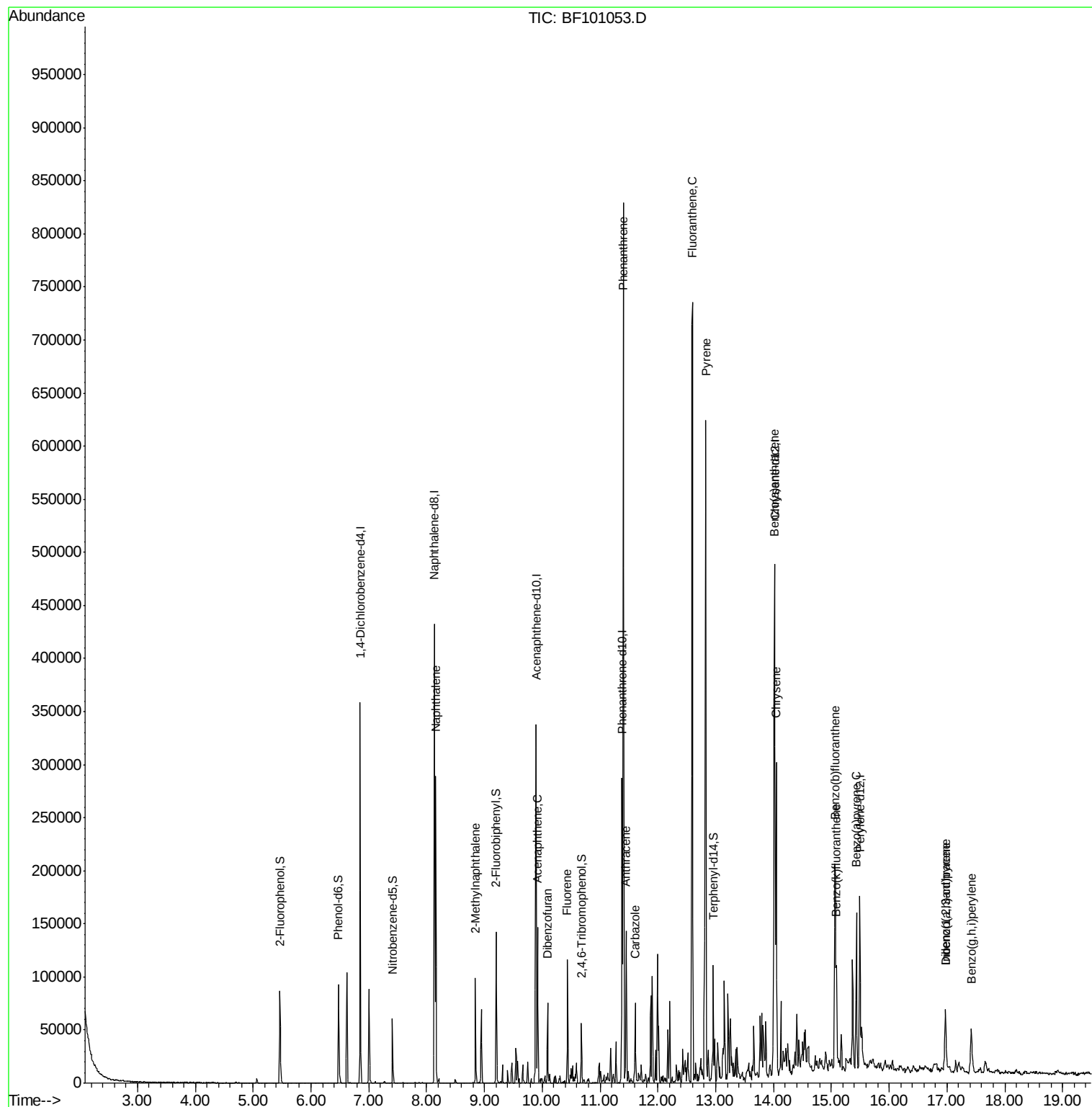
Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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ALS Vial : 33 Sample Multiplier: 1

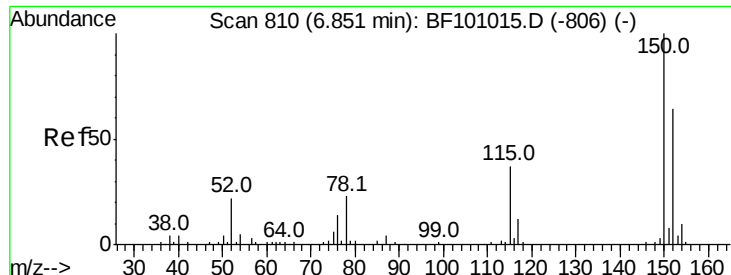
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#1

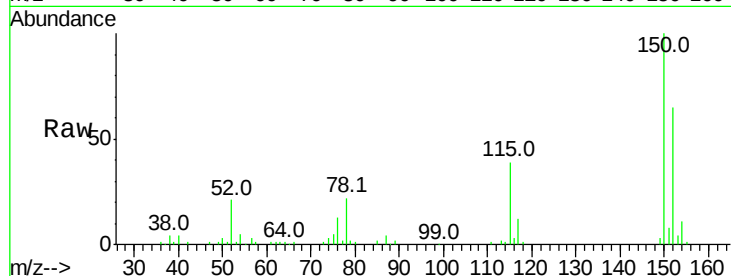
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Instrument :
BNA_F
ClientSampleId :
SB-7(4-6)-20171127DL

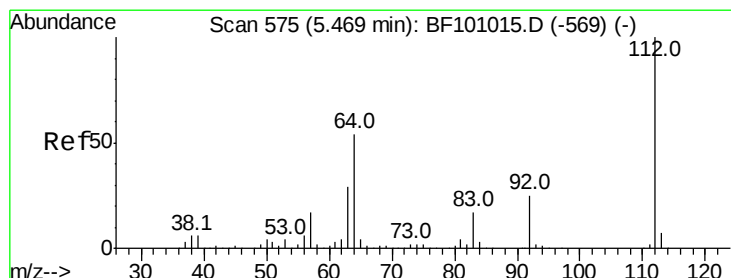
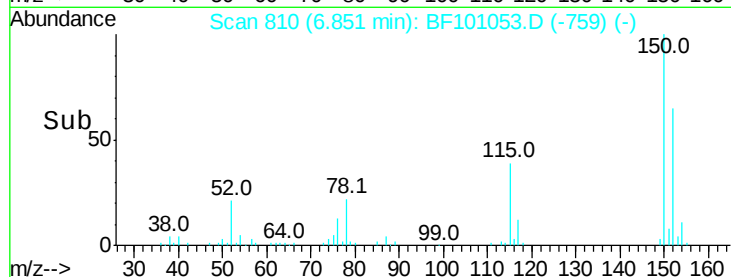
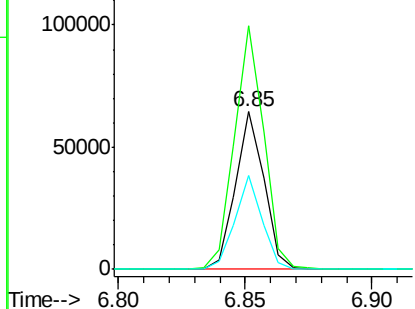
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	60.0	50.1	75.1

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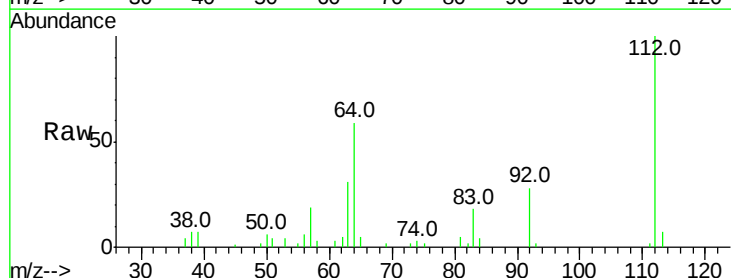
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



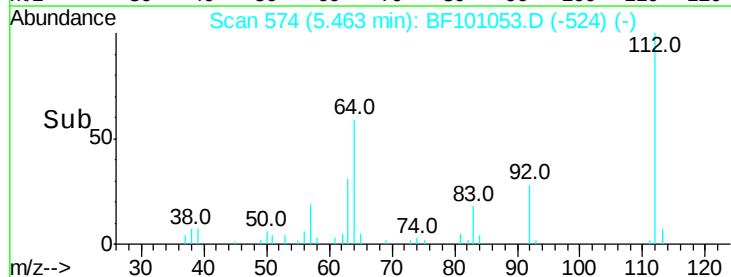
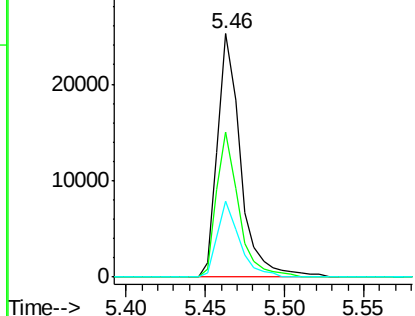
#5

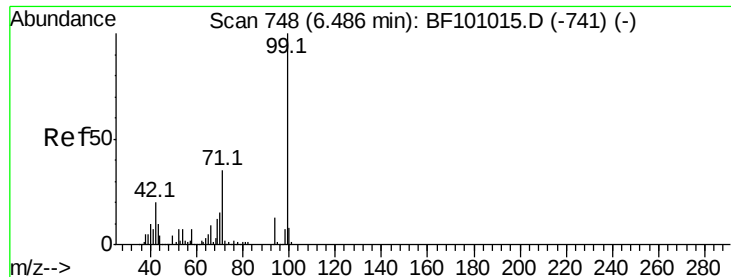
2-Fluorophenol
Concen: 8.462 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.00 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	31.4	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: 8.771 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101053.D

Acq: 1 Dec 2017 9:03

Instrument :

BNA_F

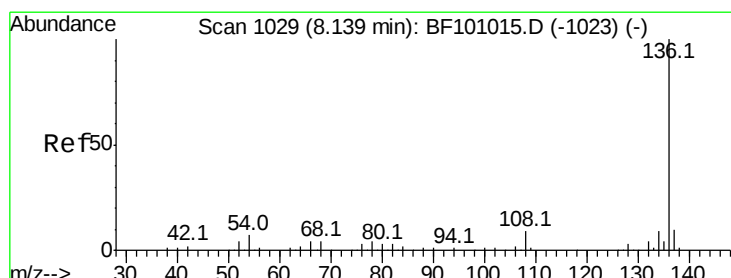
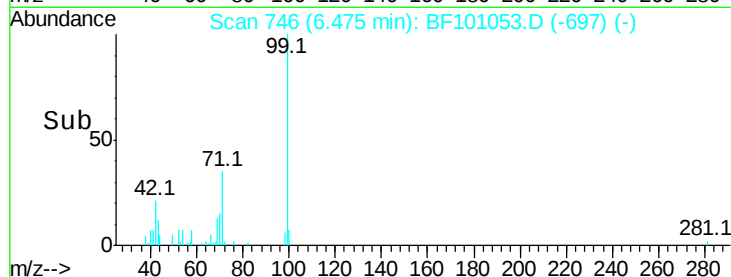
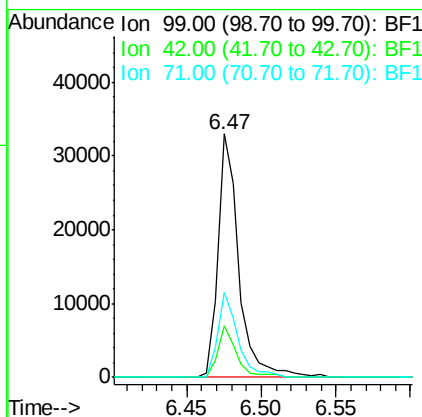
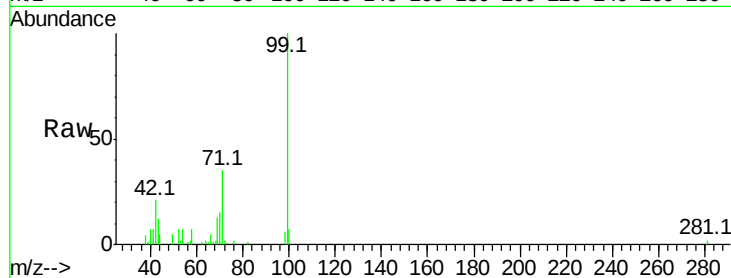
ClientSampleId :

SB-7(4-6)-20171127DL

Tot Ion:	99	Resp:	32330
Ion Ratio	Lower	Upper	
99	100		
42	21.2	14.5	21.7
71	34.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

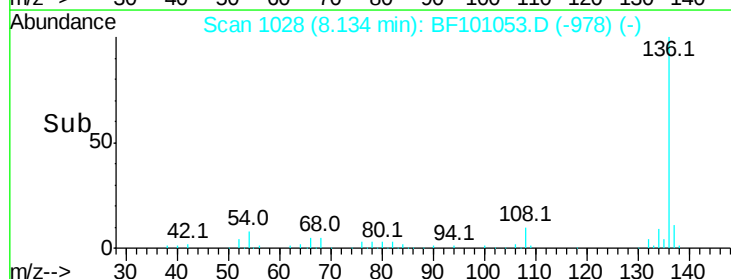
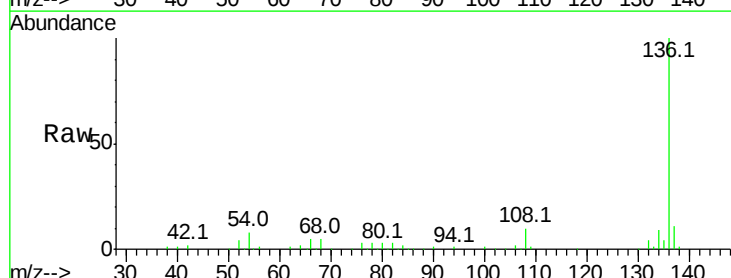
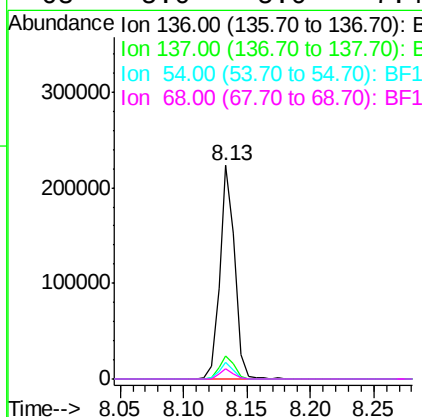
RT: 8.13 min Scan# 1028

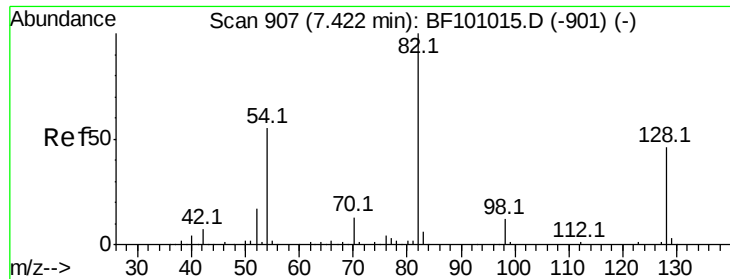
Delta R.T. -0.01 min

Lab File: BF101053.D

Acq: 1 Dec 2017 9:03

Tgt Ion:	136	Resp:	183689
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.9	6.6	9.8
68	5.0	5.0	7.4#





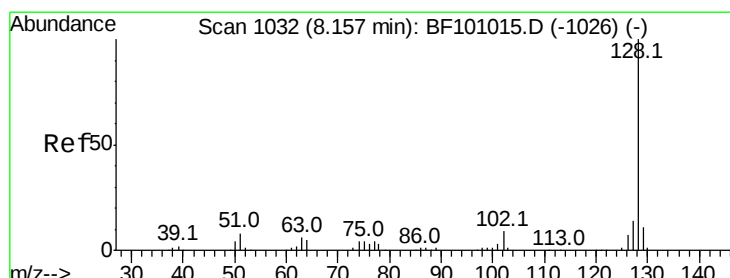
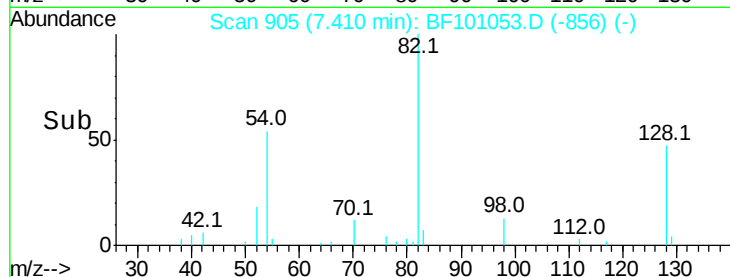
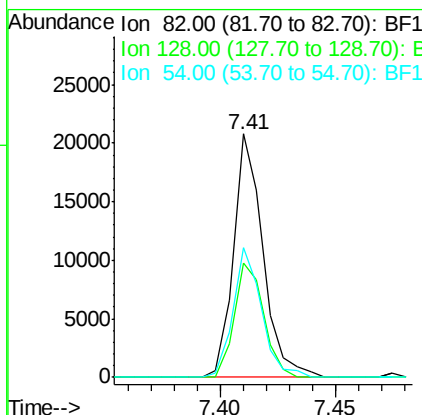
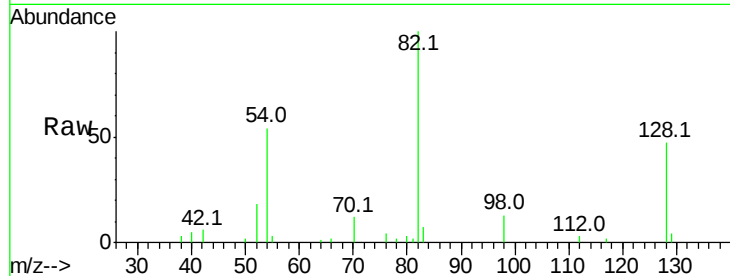
#23
Nitrobenzene-d5
Concen: 6.003 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.1	36.1	54.1	
54	53.5	41.4	62.2	

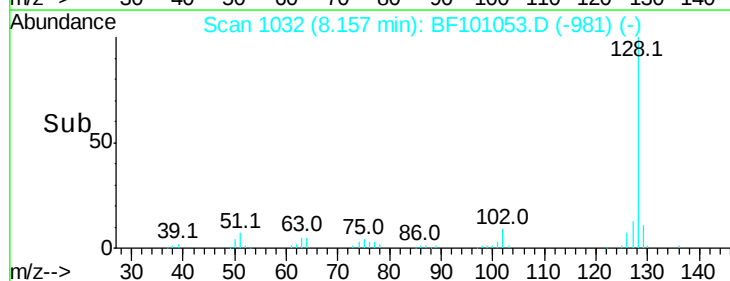
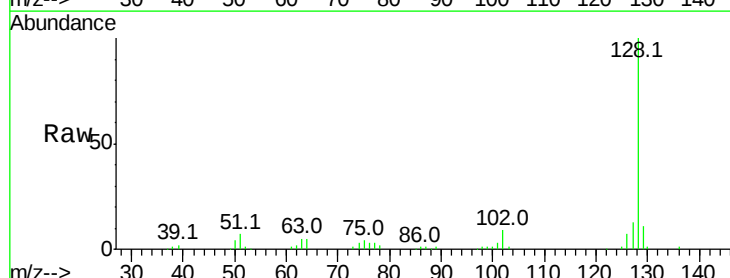
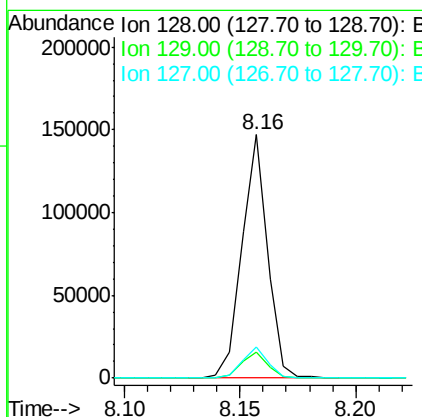
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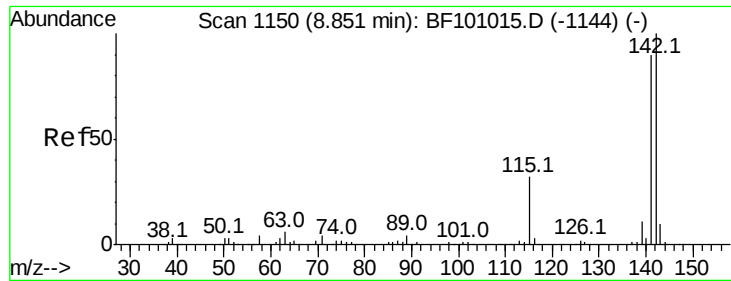
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#31
Naphthalene
Concen: 12.589 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.6	8.8	13.2	
127	12.9	10.9	16.3	





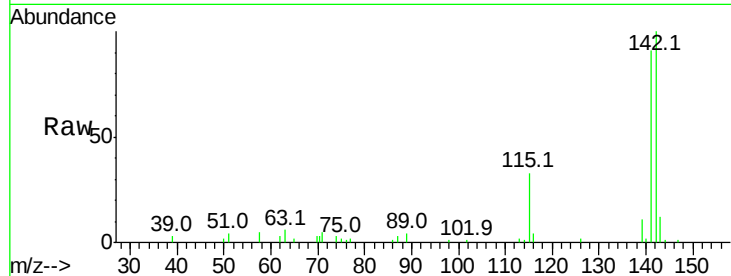
#37
2-Methylnaphthalene
Concen: 4.334 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Instrument :
BNA_F
ClientSampleId :
SB-7(4-6)-20171127DL

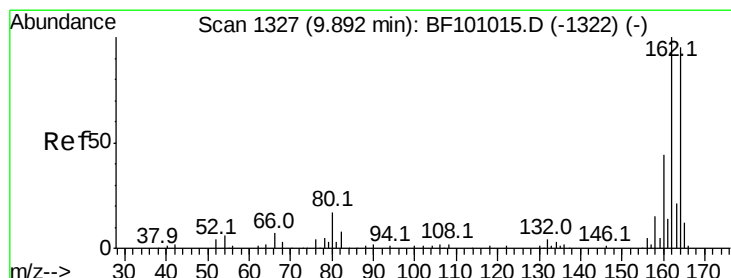
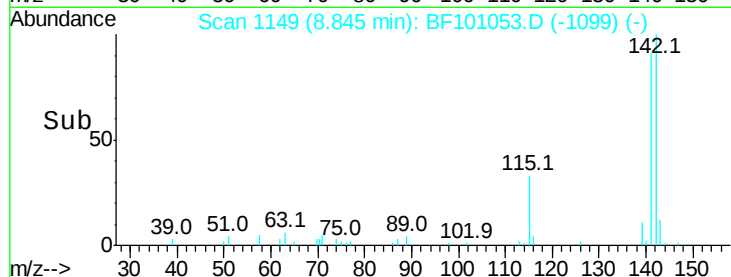
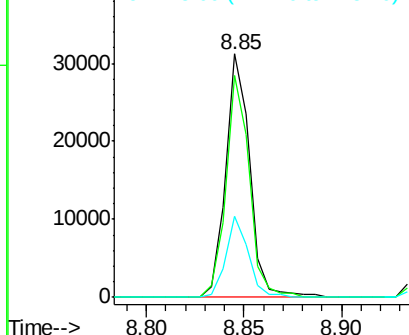
Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.8	106.2
115	33.4	26.1	39.1

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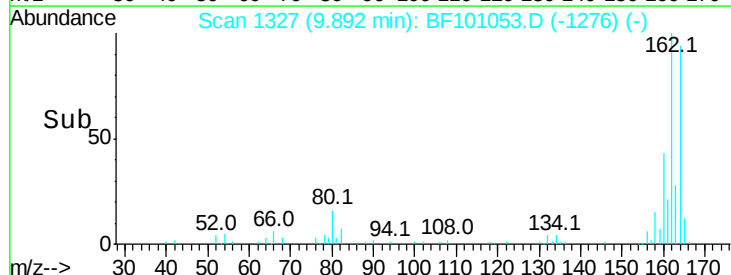
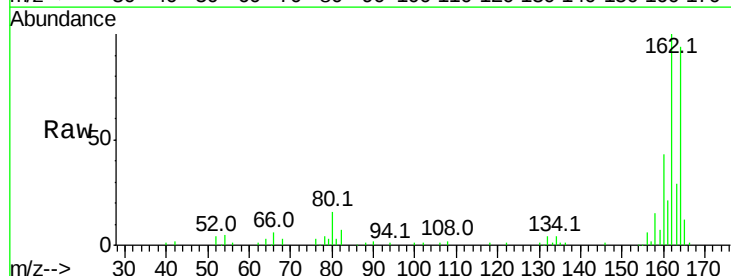
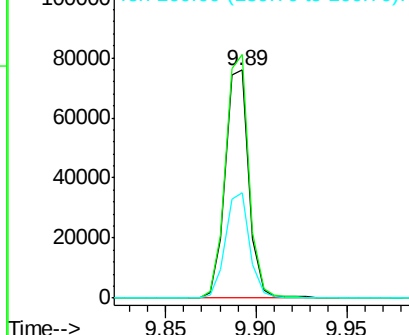
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.9	86.1	129.1
160	46.4	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





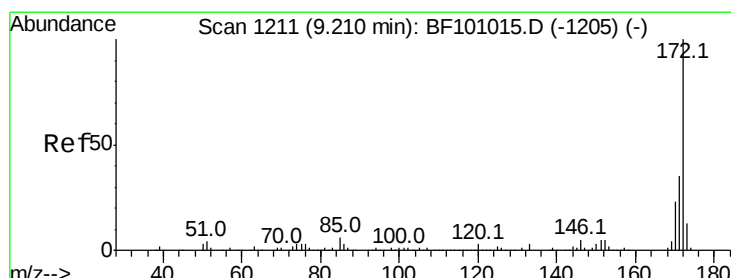
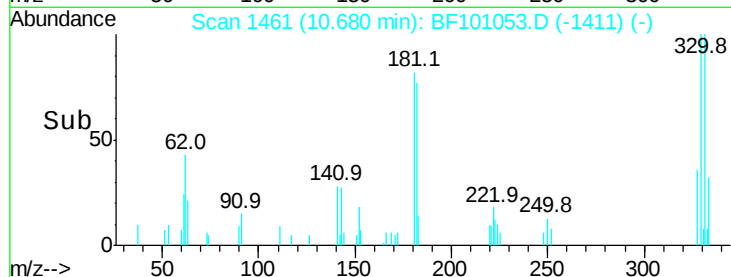
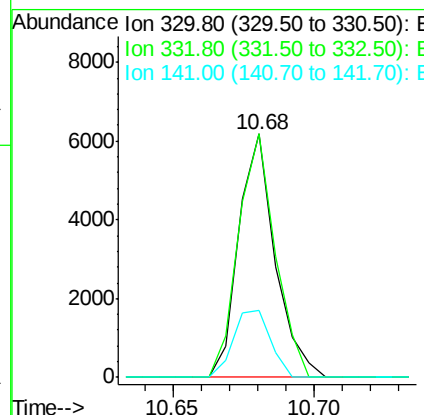
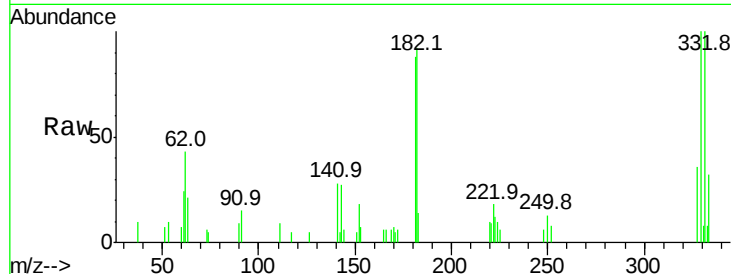
#41
 2,4,6-Tribromophenol
 Concen: 6.651 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101053.D
 Acq: 1 Dec 2017 9:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(4-6)-20171127DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	100.5	77.0	115.6	
141	28.2	29.9	44.9	

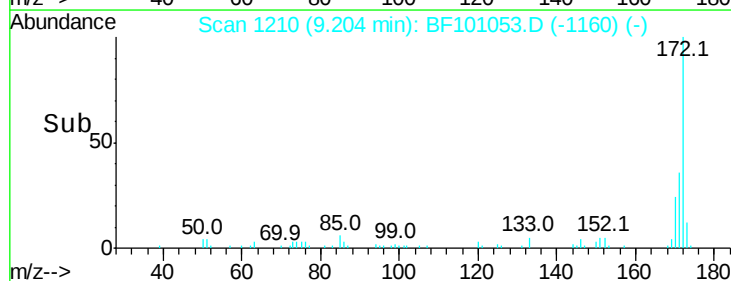
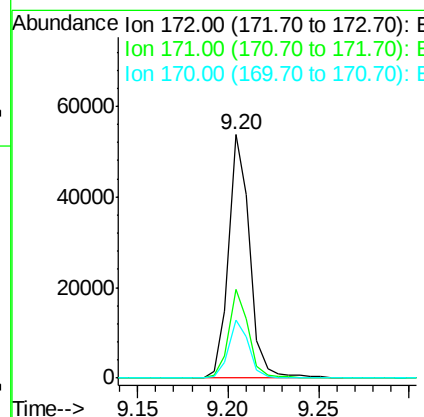
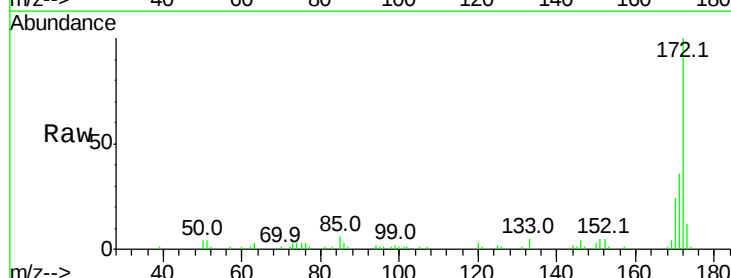
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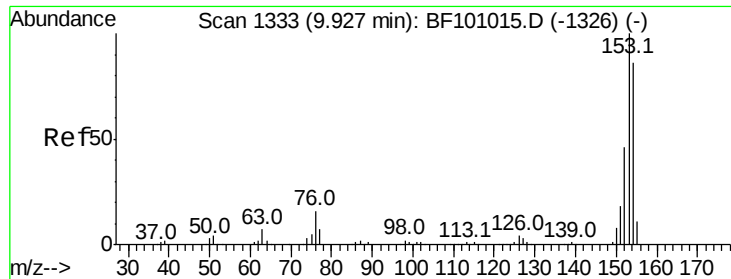
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#44
 2-Fluorobiphenyl
 Concen: 8.591 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101053.D
 Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	23.6	19.6	29.4	





#51

Acenaphthene

Concen: 6.630 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF101053.D

Acq: 1 Dec 2017 9:03

Instrument :

BNA_F

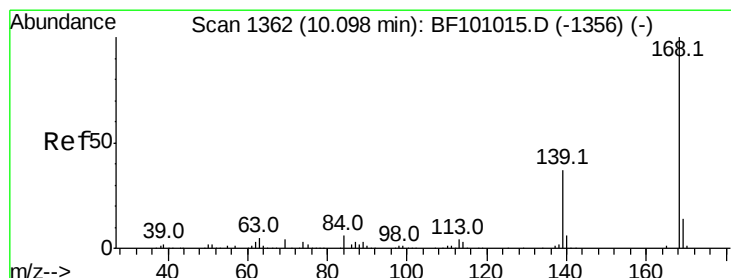
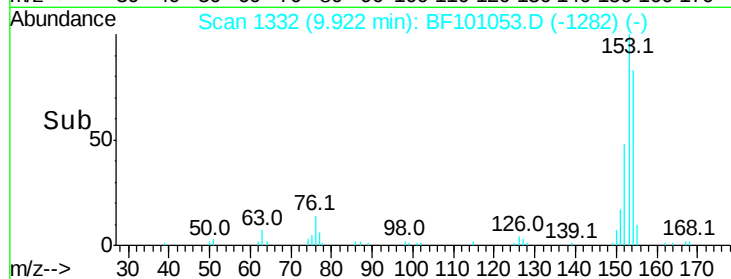
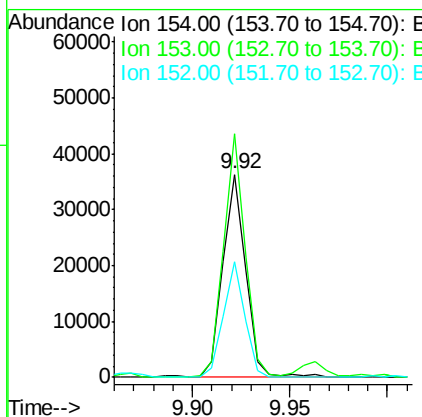
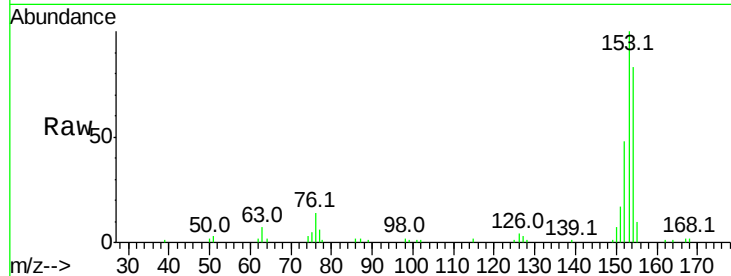
ClientSampleId :

SB-7(4-6)-20171127DL

Tot Ion:	154	Resp:	29460
Ion Ratio	Lower	Upper	
154	100		
153	120.1	91.2	136.8
152	57.1	43.8	65.8

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#54

Dibenzofuran

Concen: 4.442 ng

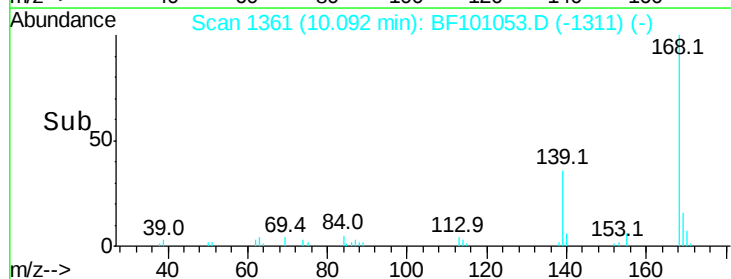
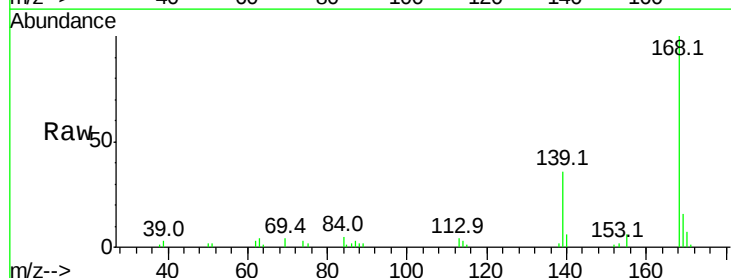
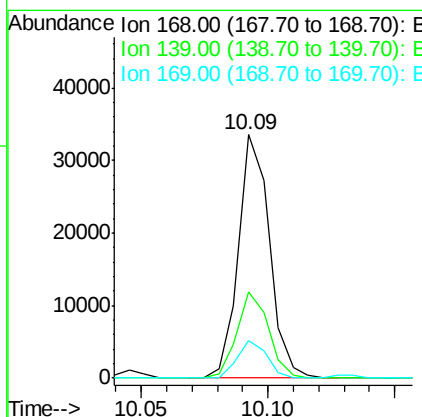
RT: 10.09 min Scan# 1361

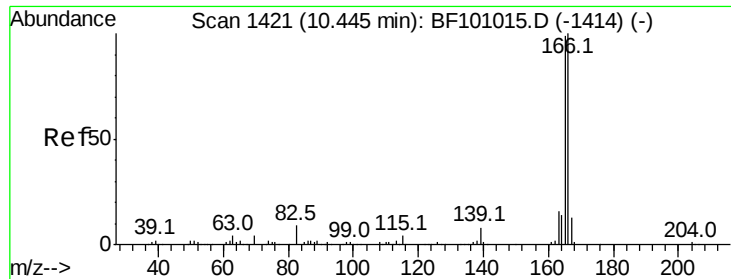
Delta R.T. -0.01 min

Lab File: BF101053.D

Acq: 1 Dec 2017 9:03

Tgt Ion:	168	Resp:	28443
Ion Ratio	Lower	Upper	
168	100		
139	35.6	30.1	45.1
169	15.6	10.9	16.3





#57

Fluorene

Concen: 6.575 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF101053.D

Acq: 1 Dec 2017 9:03

Instrument :

BNA_F

ClientSampleId :

SB-7(4-6)-20171127DL

Tot Ion:166 Resp: 34226

Ion Ratio Lower Upper

166 100

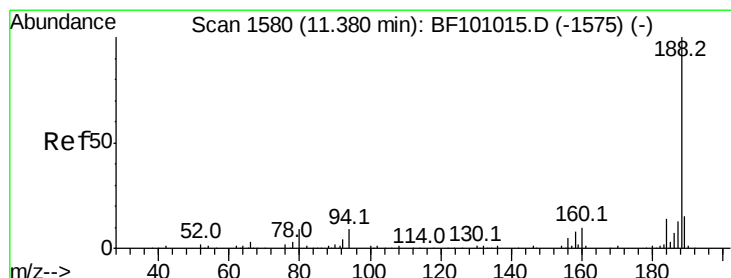
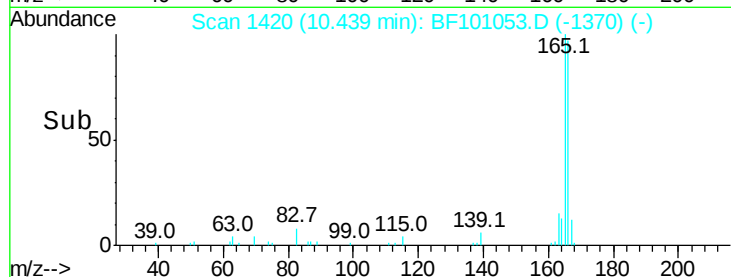
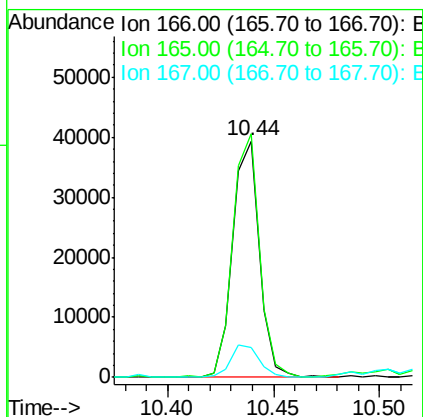
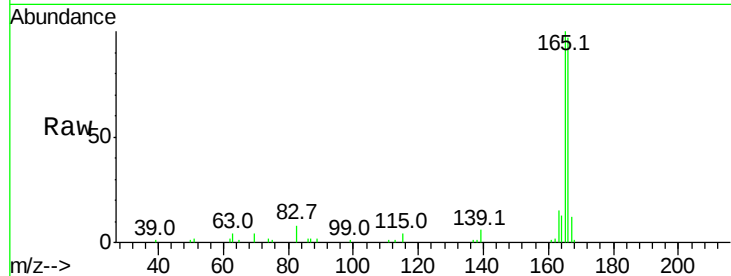
165 103.0 79.8 119.8

167 12.6 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: BF101053.D

Acq: 1 Dec 2017 9:03

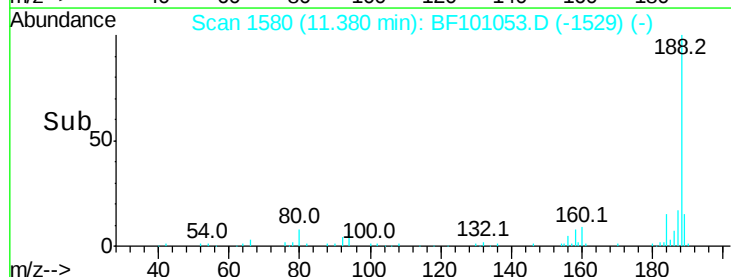
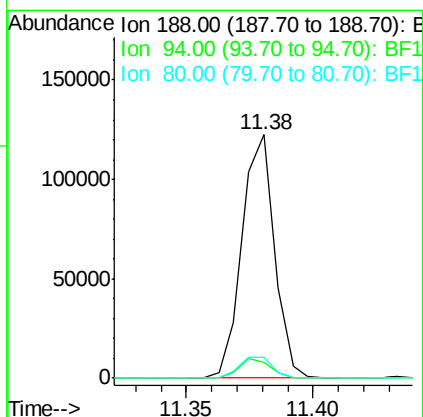
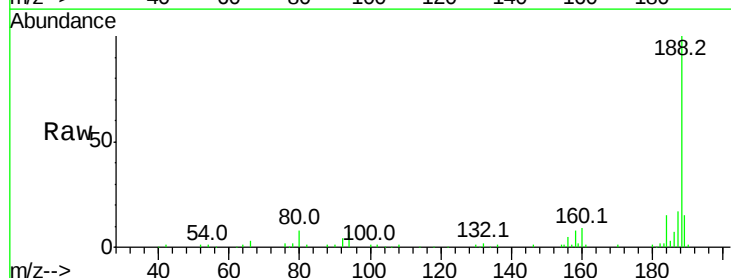
Tgt Ion:188 Resp: 109037

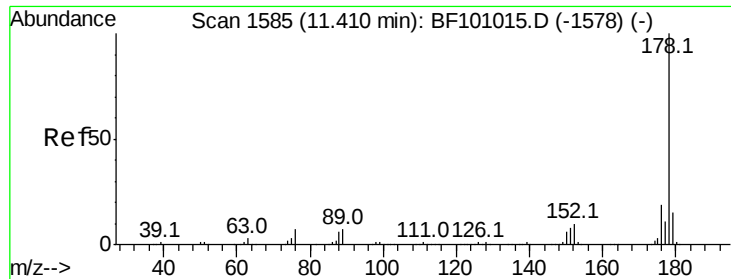
Ion Ratio Lower Upper

188 100

94 6.7 8.5 12.7#

80 8.3 9.2 13.8#





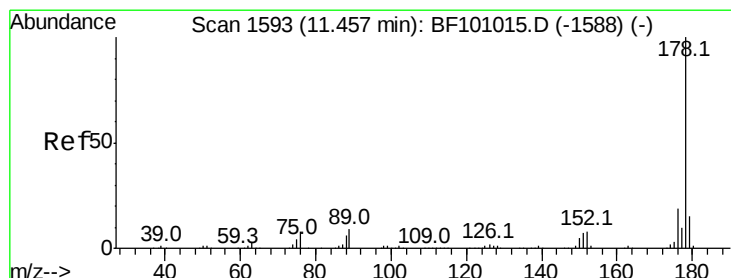
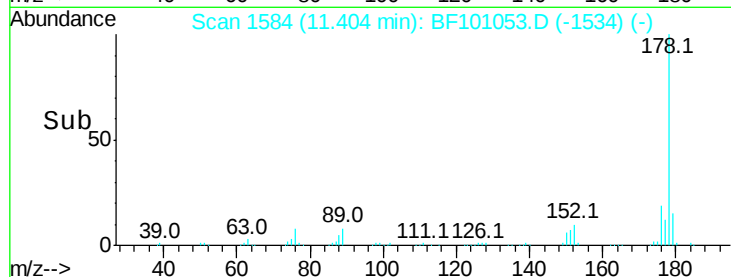
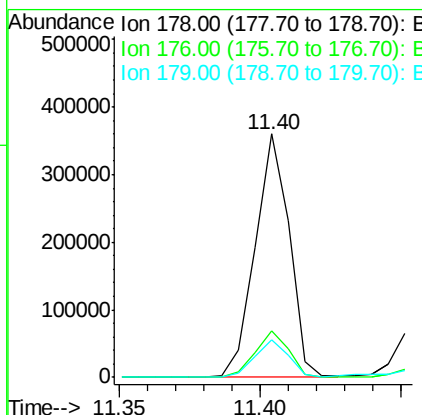
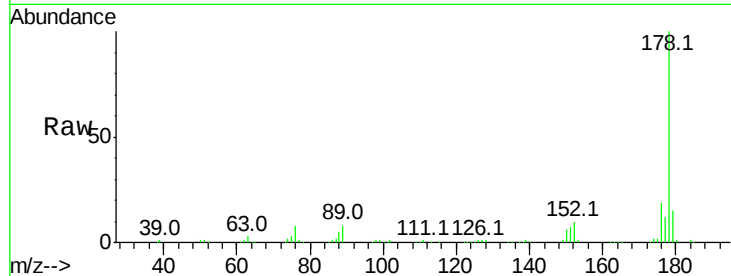
#70
Phenanthrene
Concen: 50.160 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Instrument :
BNA_F
ClientSampleId :
SB-7(4-6)-20171127DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.4	13.0	19.6

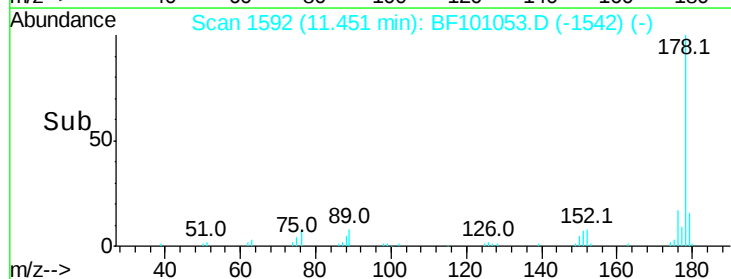
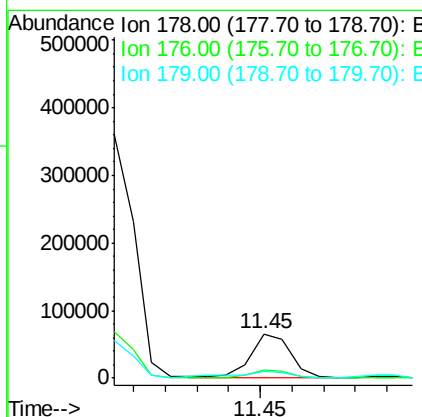
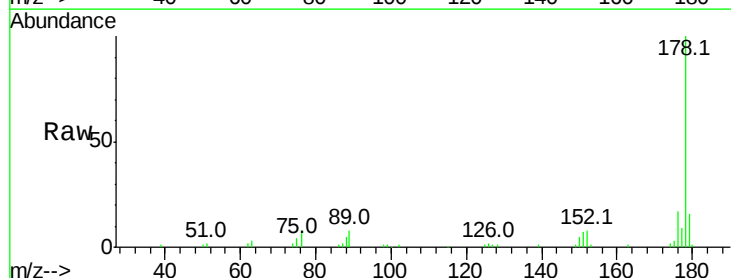
Manual Integrations
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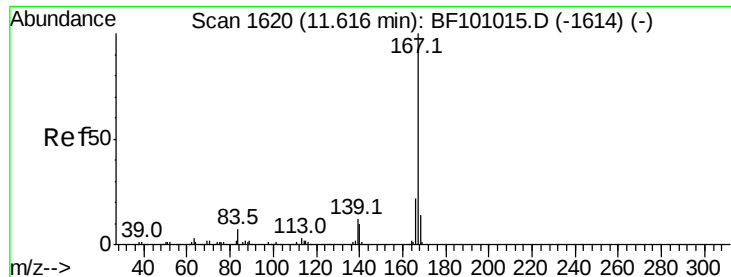
Sohil
12/1/2017 11:13:33 AM



#71
Anthracene
Concen: 9.243 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.4	23.2
179	15.9	12.6	19.0





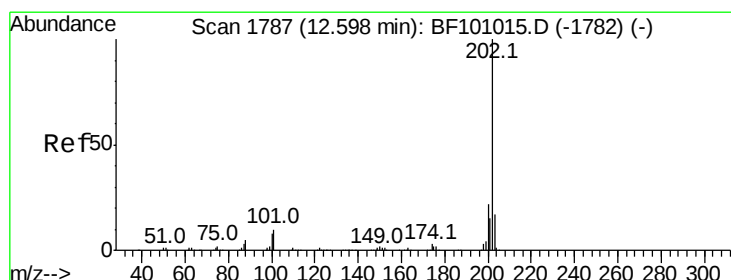
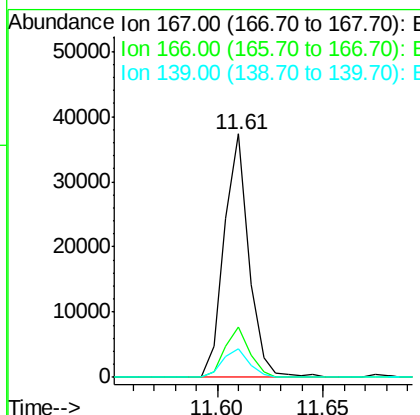
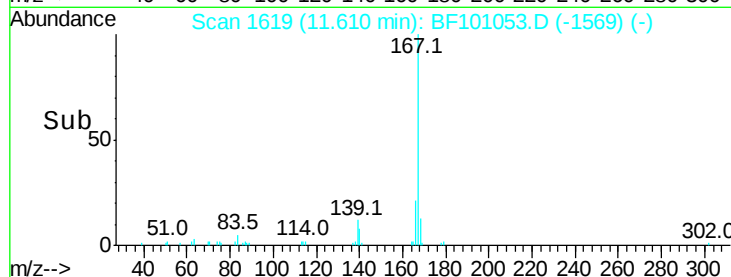
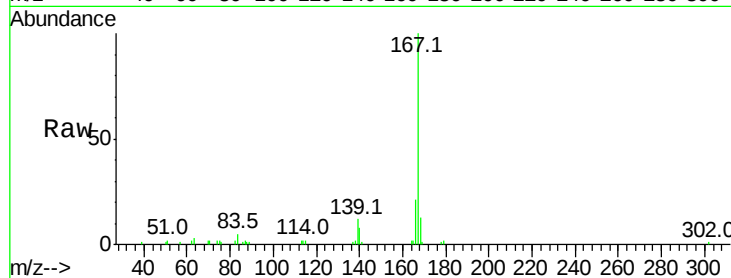
#72
 Carbazole
 Concen: 5.433 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF101053.D
 Acq: 1 Dec 2017 9:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(4-6)-20171127DL

Tot Ion:	167	Resp:	30166
Ion Ratio	Lower	Upper	
167	100		
166	20.6	17.6	26.4
139	11.8	10.9	16.3

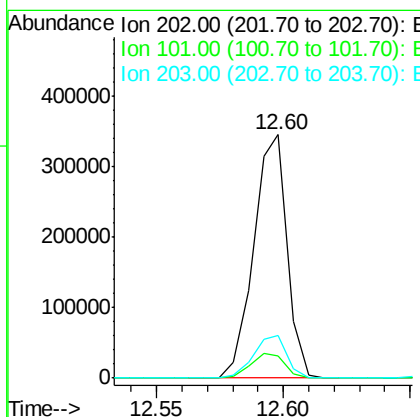
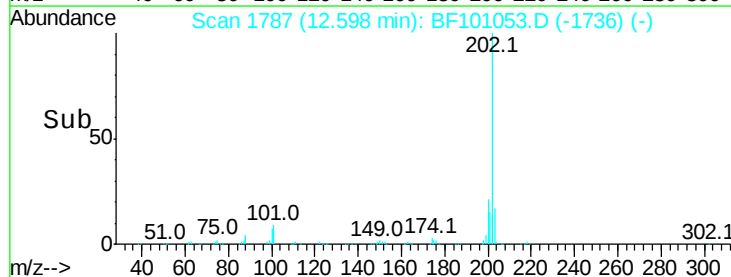
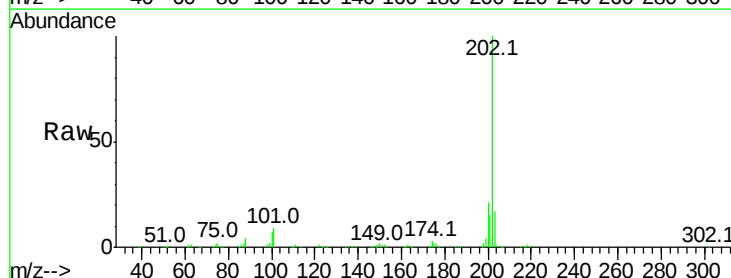
Manual Integrations
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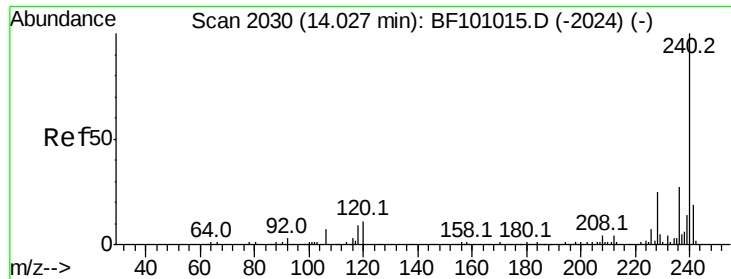
Sohil
 12/1/2017 11:13:33 AM



#74
 Fluoranthene
 Concen: 47.464 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF101053.D
 Acq: 1 Dec 2017 9:03

Tgt Ion:	202	Resp:	315922
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101053.D

Acq: 1 Dec 2017 9:03

Instrument :

BNA_F

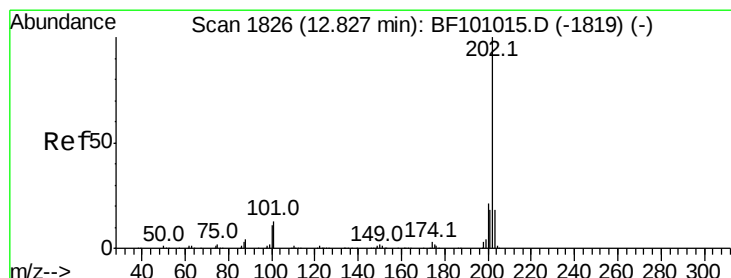
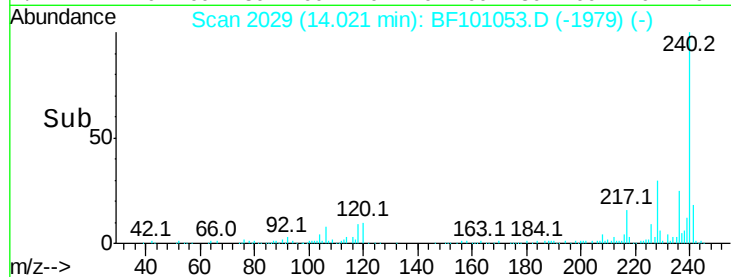
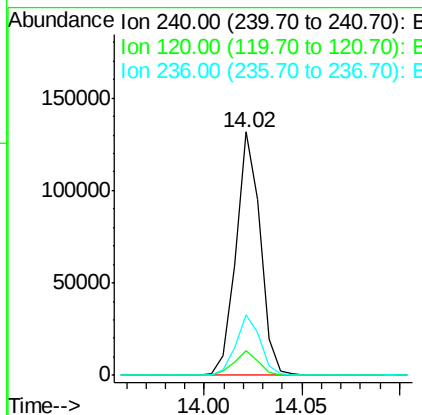
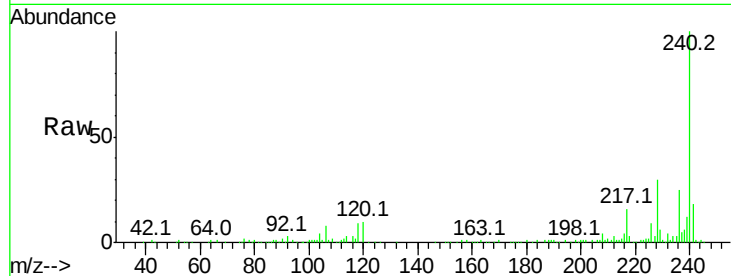
ClientSampleId :

SB-7(4-6)-20171127DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.5	14.3
236	24.7	20.7	31.1

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#77

Pyrene

Concen: 34.264 ng

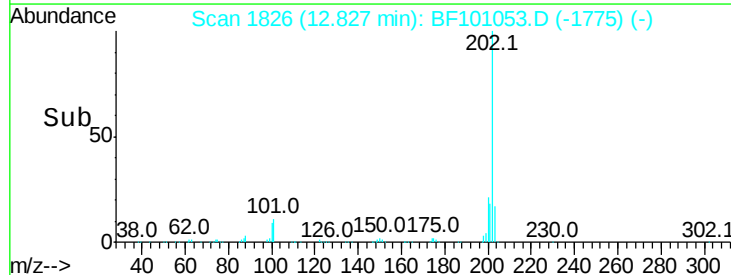
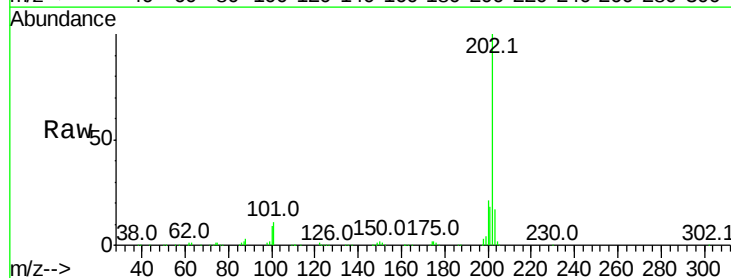
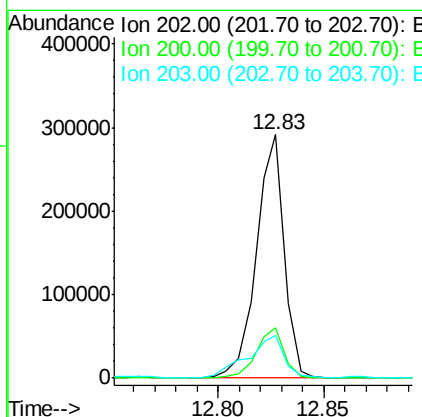
RT: 12.83 min Scan# 1826

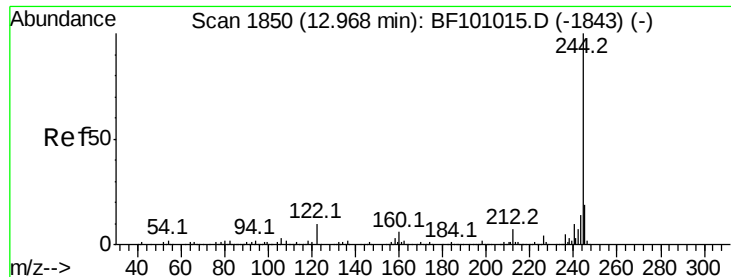
Delta R.T. 0.00 min

Lab File: BF101053.D

Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.4	14.3	21.5





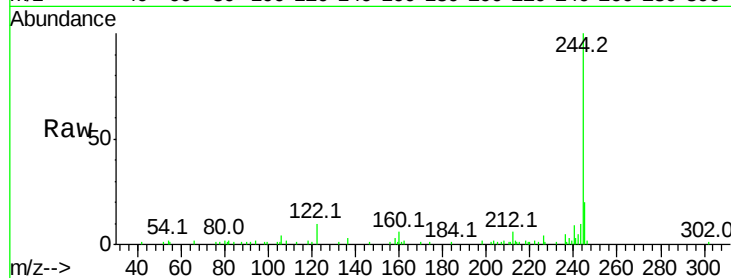
#78
 Terphenyl-d14
 Concen: 6.692 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101053.D
 Acq: 1 Dec 2017 9:03

Instrument :
 BNA_F
 ClientSampleId :
 SB-7(4-6)-20171127DL

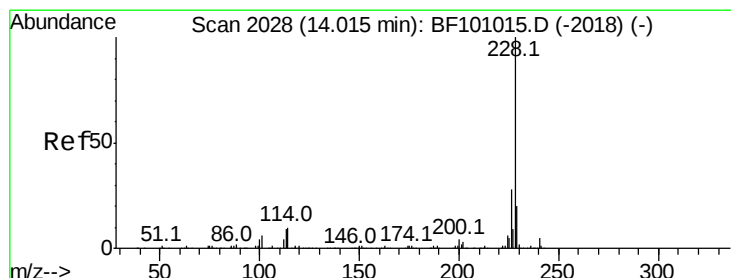
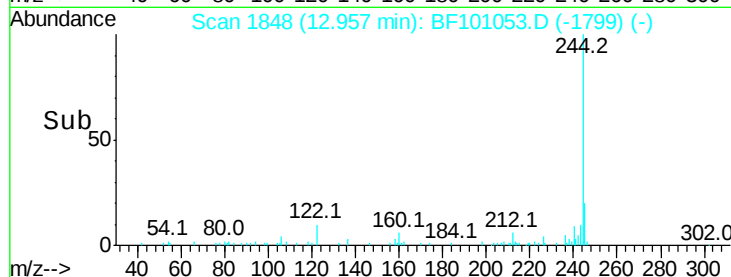
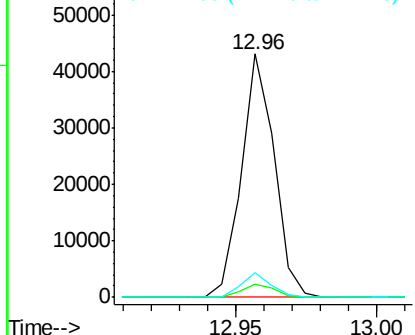
Tot Ion	Ratio	Lower	Upper
244	100		
212	5.6	5.4	8.0
122	10.3	11.0	16.4

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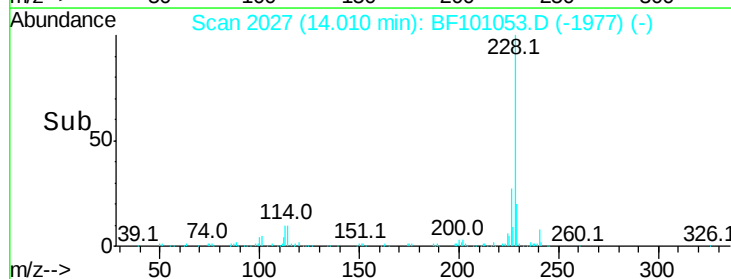
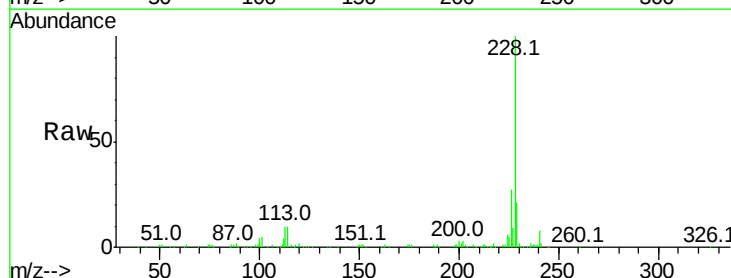
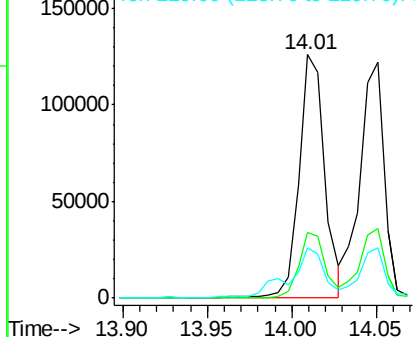
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

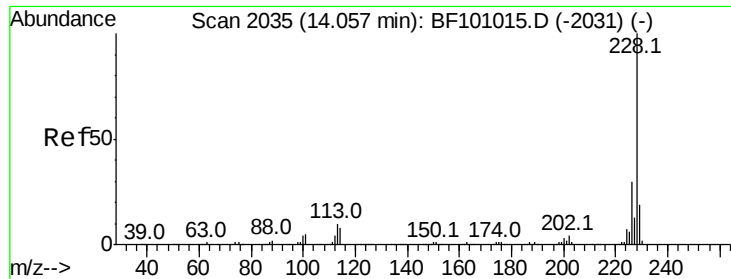


#80
 Benzo(a)anthracene
 Concen: 18.678 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF101053.D
 Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.7	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





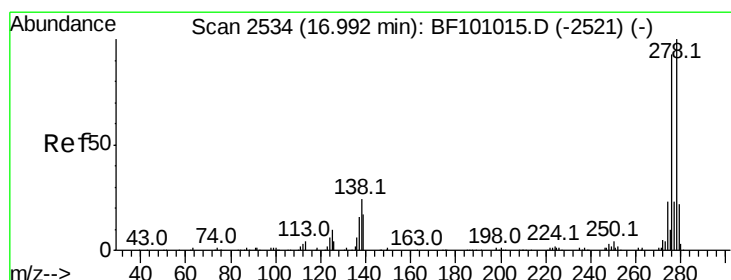
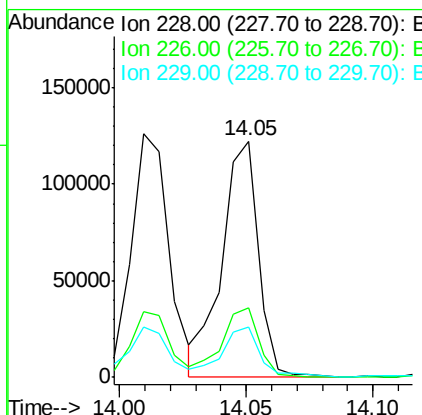
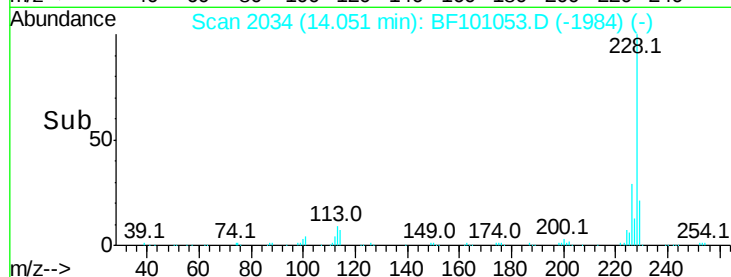
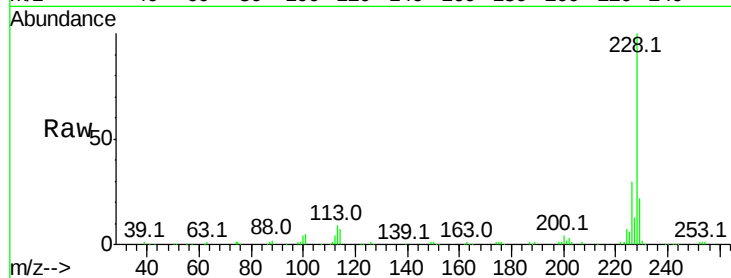
#82
Chrysene
Concen: 18.472 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Instrument :
BNA_F
ClientSampleId :
SB-7(4-6)-20171127DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	21.5	16.2	24.4

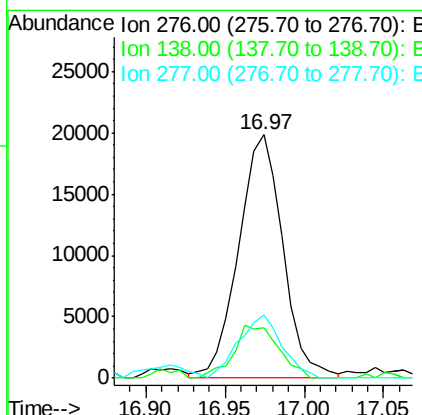
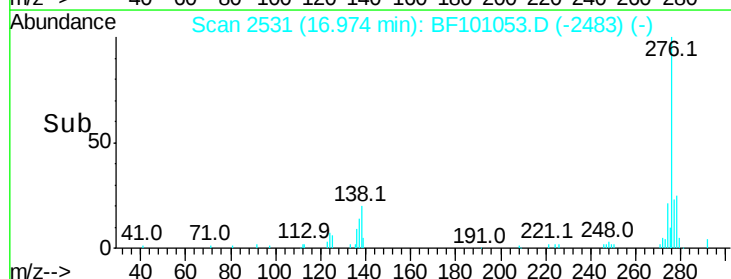
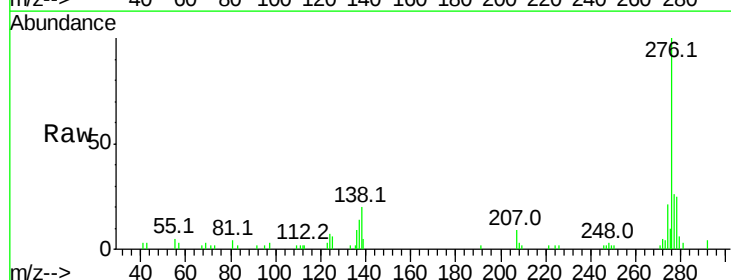
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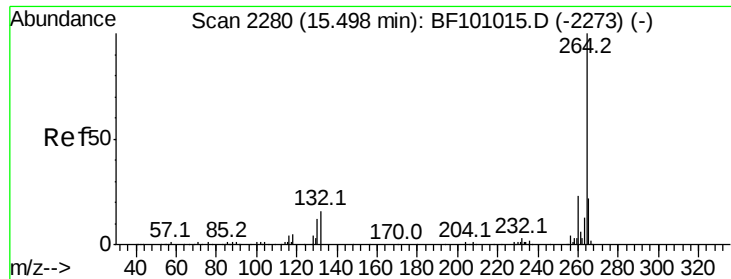
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.560 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	25.2	20.1	30.1





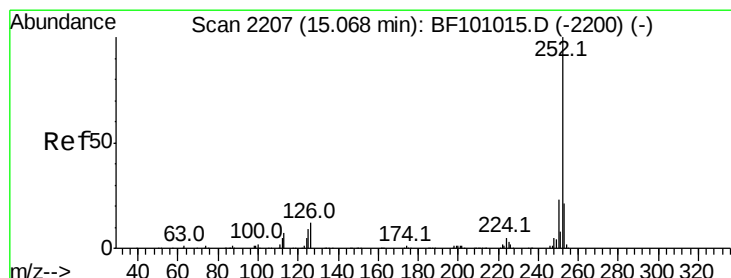
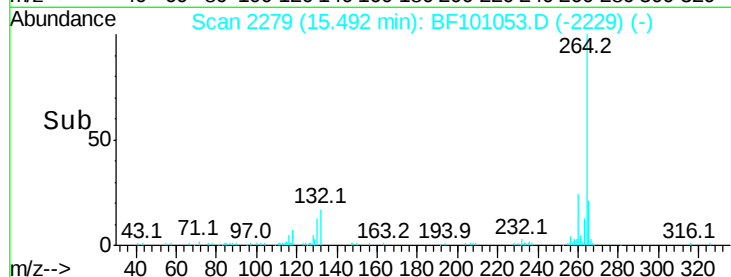
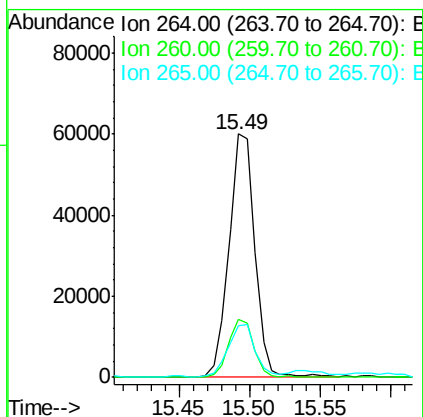
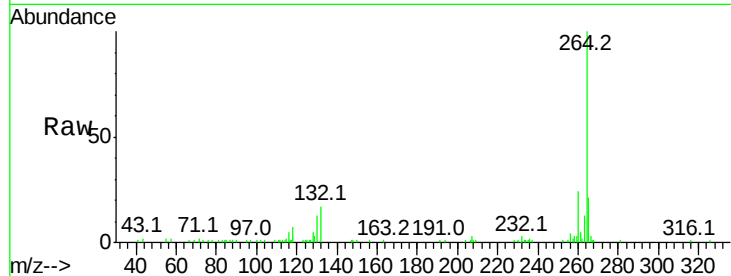
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Instrument :
BNA_F
ClientSampleId :
SB-7(4-6)-20171127DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.4	17.5	26.3

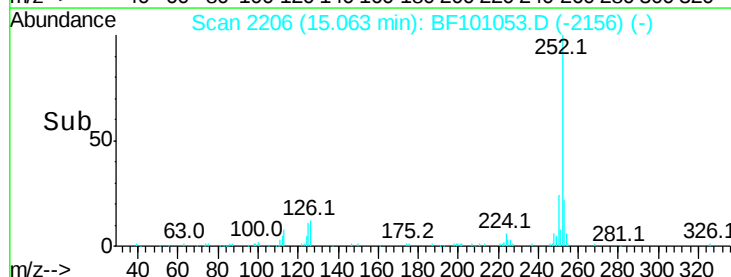
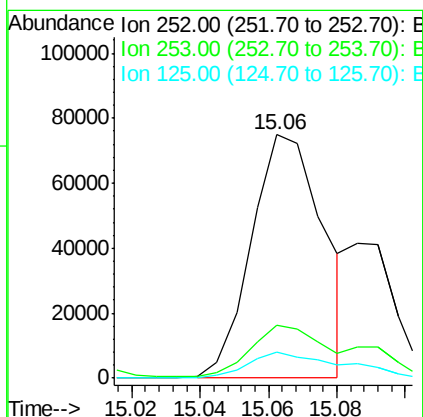
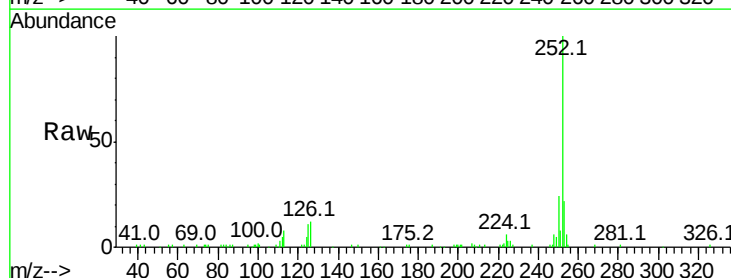
Manual Integrations
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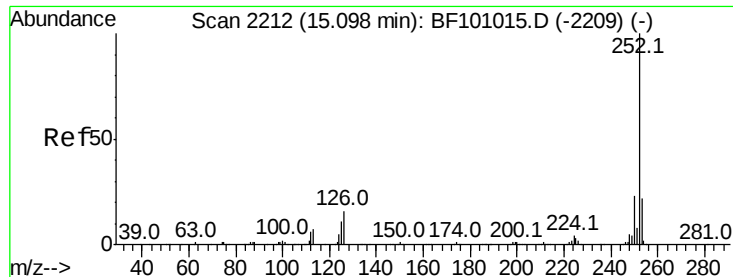
Sohil
12/1/2017 11:13:33 AM



#87
Benzo(b)fluoranthene
Concen: 23.925 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	10.6	9.0	13.6





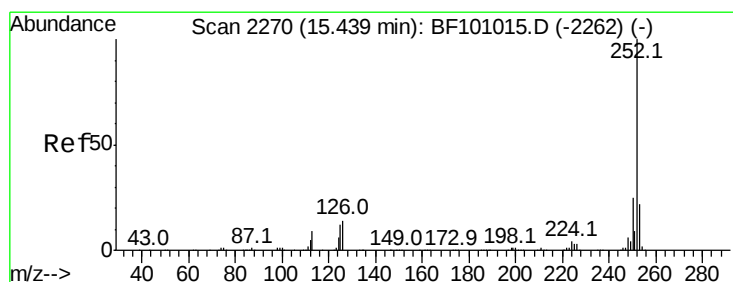
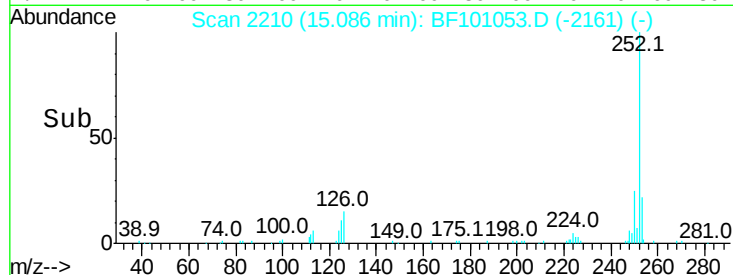
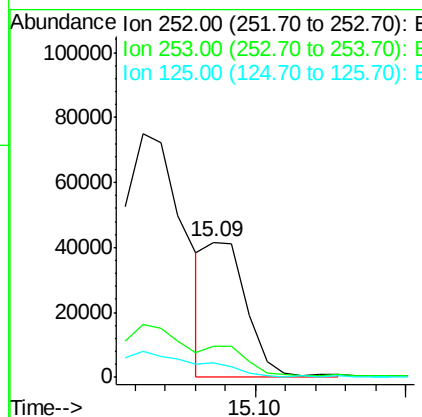
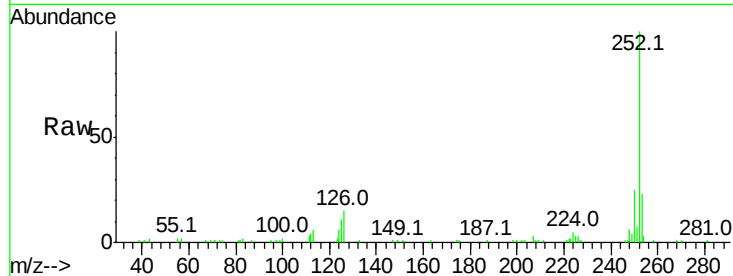
#88
Benzo(k)fluoranthene
Concen: 8.568 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Instrument :
BNA_F
ClientSampleId :
SB-7(4-6)-20171127DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	10.7	10.2	15.2

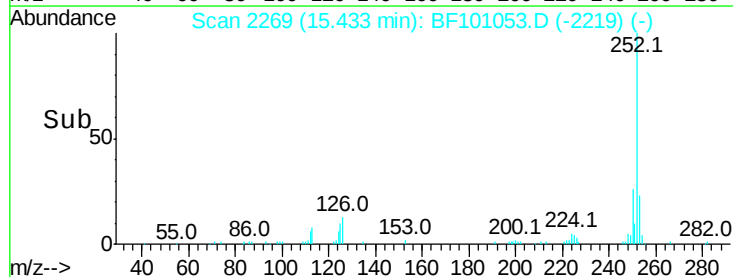
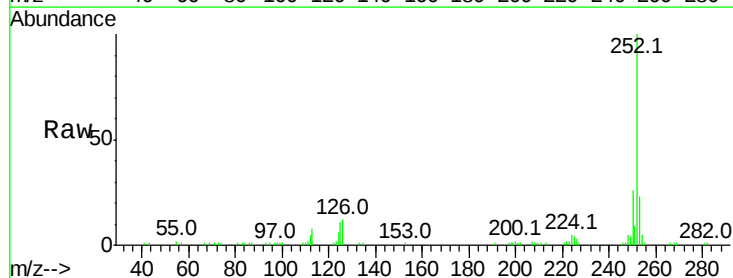
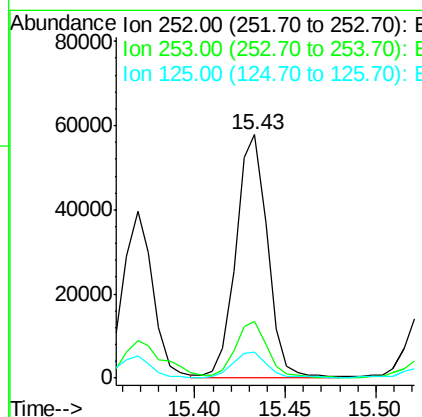
Manual Integrations
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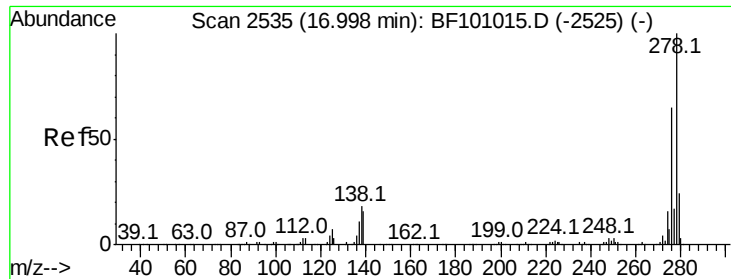
Sohil
12/1/2017 11:13:33 AM



#89
Benzo(a)pyrene
Concen: 16.825 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	10.5	9.8	14.6





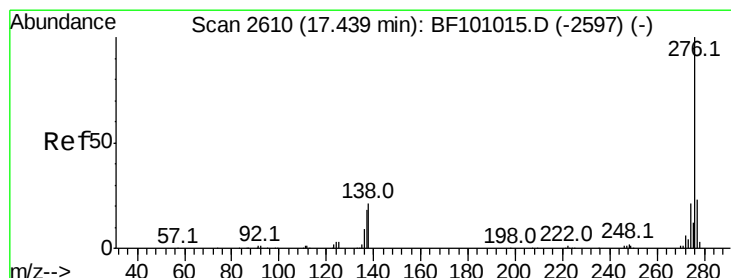
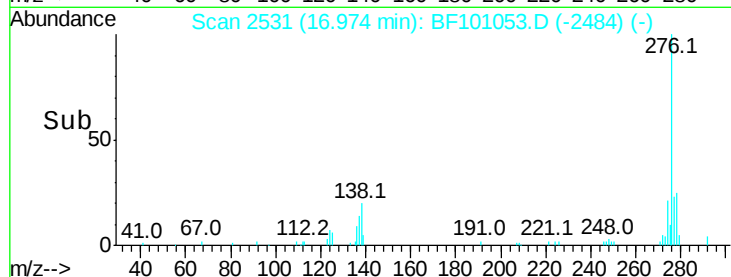
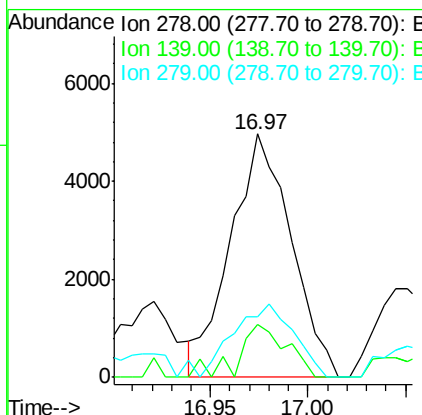
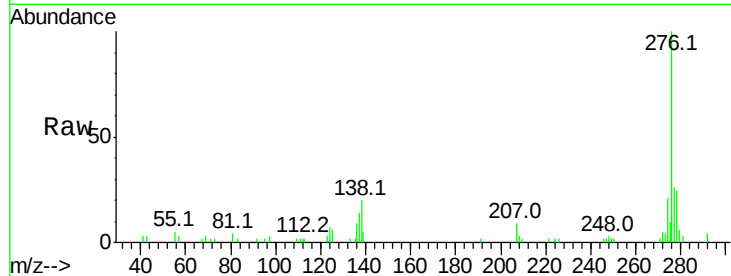
#90
Dibenzo(a,h)anthracene
Concen: 2.884 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Instrument :
BNA_F
ClientSampleId :
SB-7(4-6)-20171127DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.7	15.9	23.9
279	24.8	19.0	28.4

Manual Integrations
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12/1/2017 11:13:33 AM



#91
Benzo(g,h,i)perylene
Concen: 9.963 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.02 min
Lab File: BF101053.D
Acq: 1 Dec 2017 9:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	21.3	17.9	26.9
138	20.2	21.8	32.8#

