

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101156.D
 Acq On : 6 Dec 2017 8:57
 Operator : SJ/JU
 Sample : I6696-01DL 20X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-ADL

Manual Integrations
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Sohil
 12/6/2017 5:13:42 PM

Quant Time: Dec 06 11:13:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	47552	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	183899	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	84701	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	150820	20.00	ng	0.00
75) Chrysene-d12	14.02	240	100869	20.00	ng	0.00
86) Perylene-d12	15.49	264	104649	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	14773	5.13	ng	0.00
7) Phenol-d6	6.47	99	18390	5.26	ng	0.00
23) Nitrobenzene-d5	7.41	82	10774	3.49	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	3577	3.52	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	26559	4.29	ng	-0.01
78) Terphenyl-d14	12.95	244	21047	4.56	ng	-0.01
Target Compounds						
45) 1,1'-Biphenyl	9.30	154	31669	4.081	ng	Qvalue 92
48) Acenaphthylene	9.75	152	24497	2.705	ng	# 93
51) Acenaphthene	9.92	154	89893	16.575	ng	100
57) Fluorene	10.43	166	68049	10.711	ng	99
70) Phenanthrene	11.40	178	386498	46.535	ng	97
71) Anthracene	11.45	178	103398	12.301	ng	98
74) Fluoranthene	12.59	202	138366	15.029	ng	96
77) Pyrene	12.82	202	194375	27.926	ng	97
80) Benzo(a)anthracene	14.01	228	61496m	9.656	ng	
82) Chrysene	14.05	228	48425	8.187	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	14847	2.823	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	36990m	5.901	ng	
89) Benzo(a)pyrene	15.43	252	47028	8.253	ng	100
91) Benzo(a,h,i)perylene	17.43	276	16645	3.516	ng	# 87

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

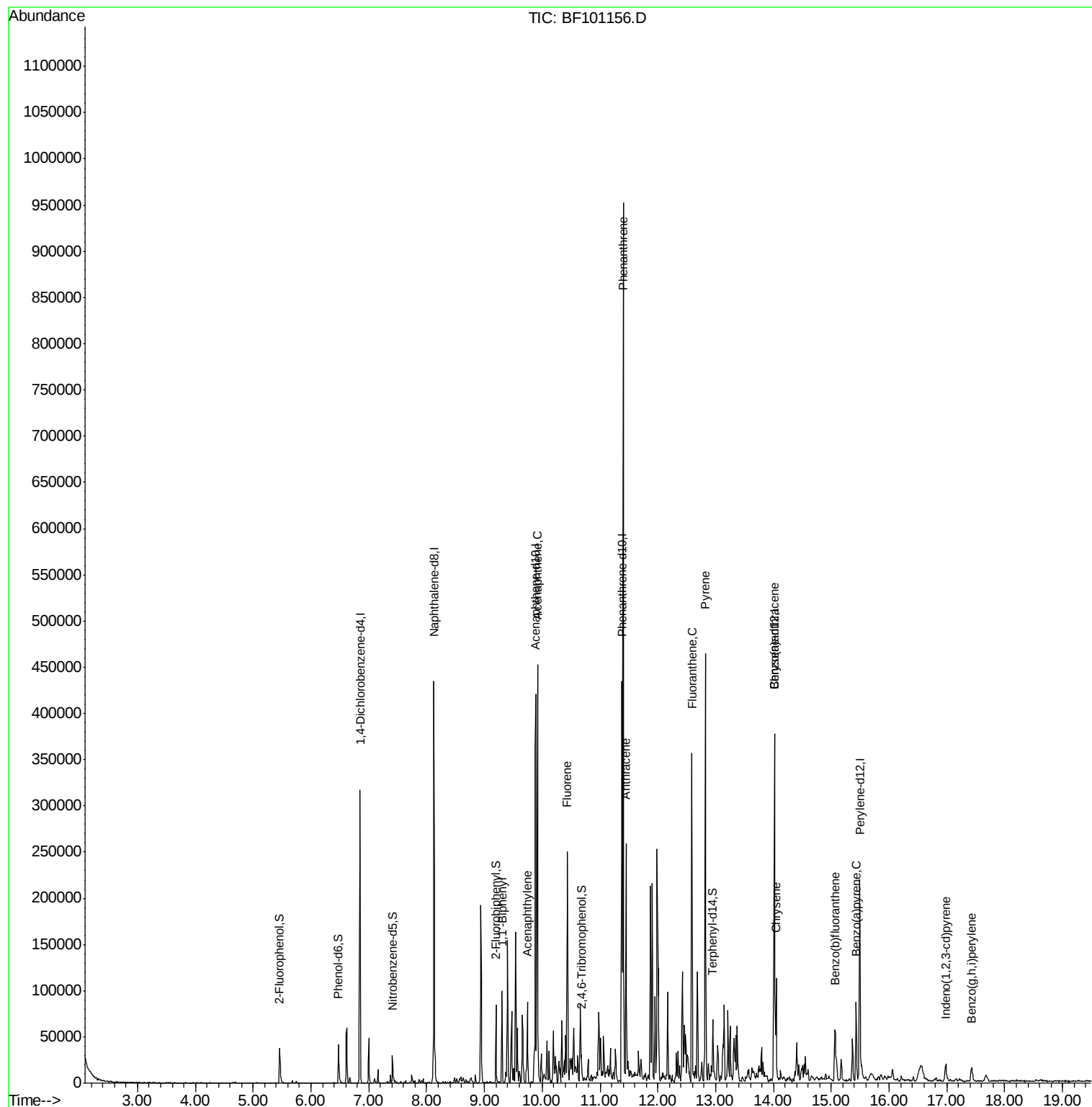
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
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ALS Vial : 43 Sample Multiplier: 1

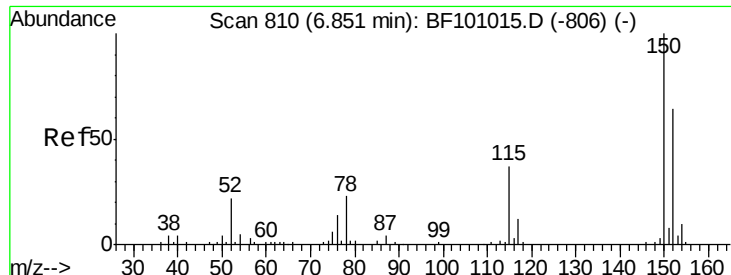
Instrument :
BNA_F
ClientSampleId :
CS-TP102-ADL

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Quant Time: Dec 06 11:13:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

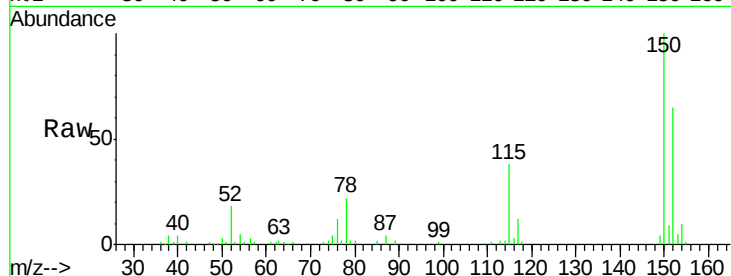
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Instrument :
BNA_F
ClientSampleId :
CS-TP102-ADL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	58.5	50.1	75.1

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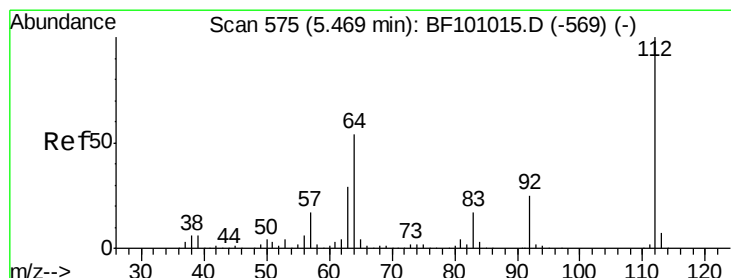
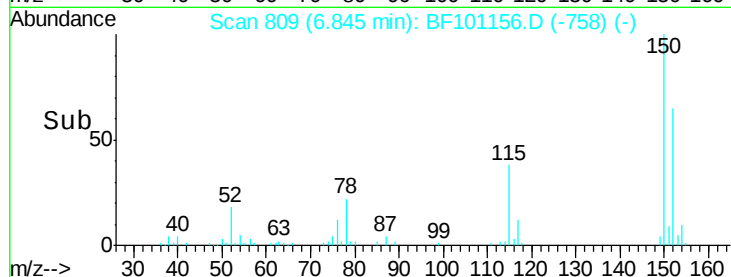
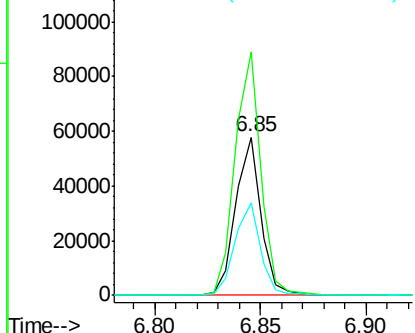


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

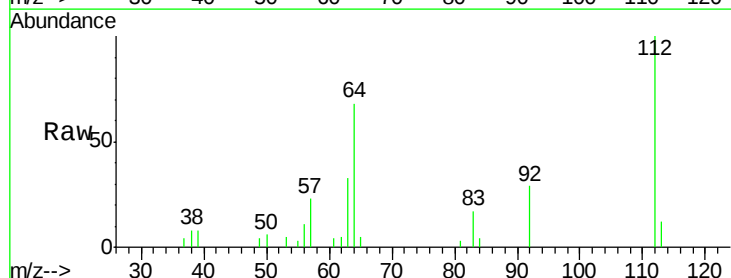
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 5.134 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	47.9	71.9
63	33.1	23.7	35.5

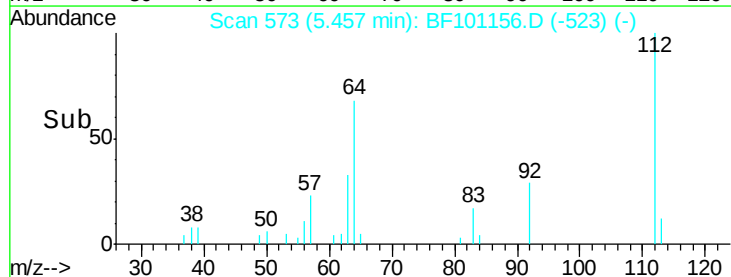
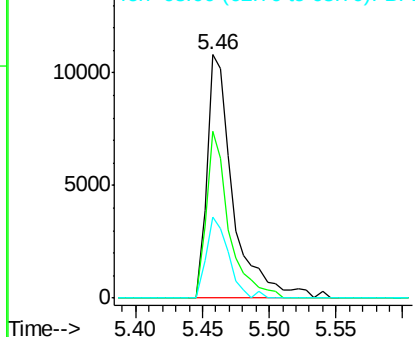


Abundance

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: 5.264 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101156.D

Acq: 6 Dec 2017 8:57

Instrument :

BNA_F

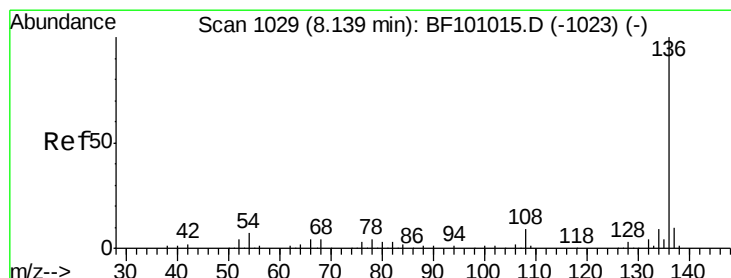
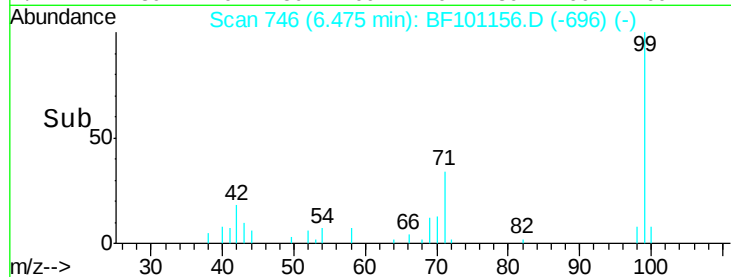
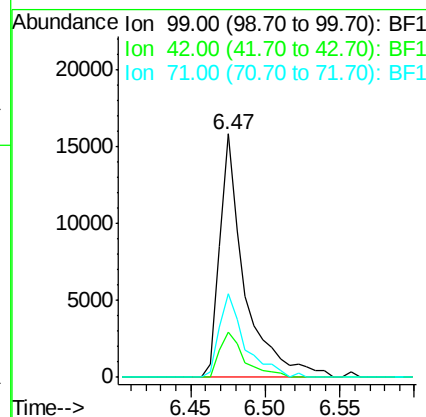
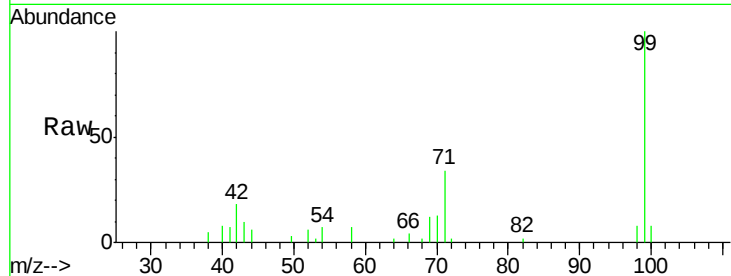
ClientSampleId :

CS-TP102-ADL

Tot Ion:	99	Resp:	18390
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.5	21.7
71	34.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

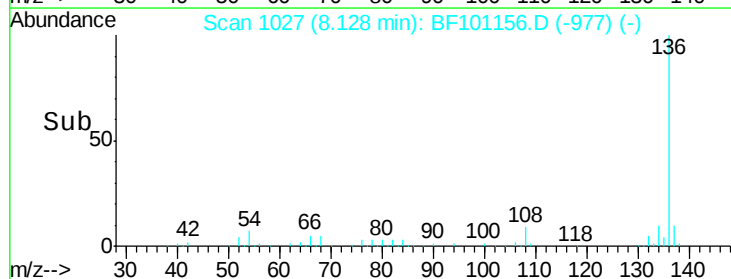
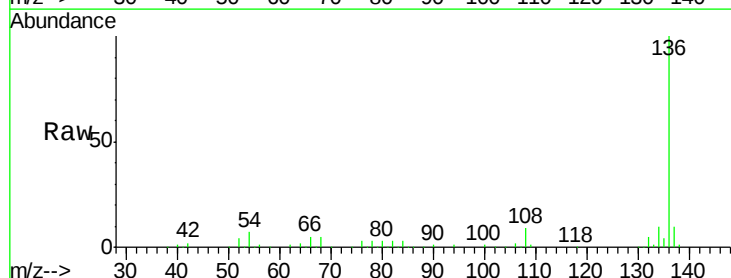
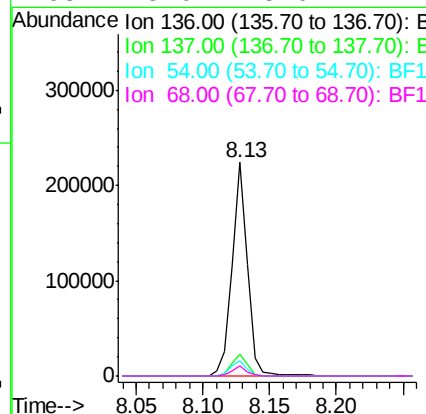
RT: 8.13 min Scan# 1027

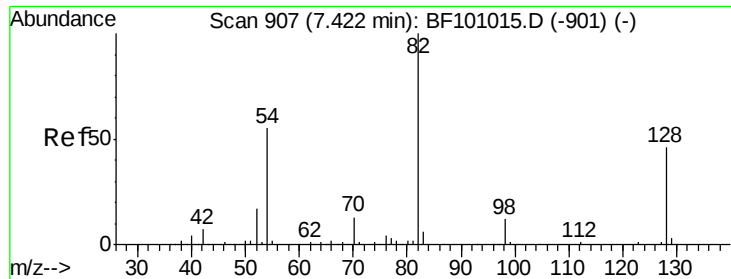
Delta R.T. -0.01 min

Lab File: BF101156.D

Acq: 6 Dec 2017 8:57

Tgt Ion:	136	Resp:	183899
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	7.3	6.6	9.8
68	5.0	5.0	7.4





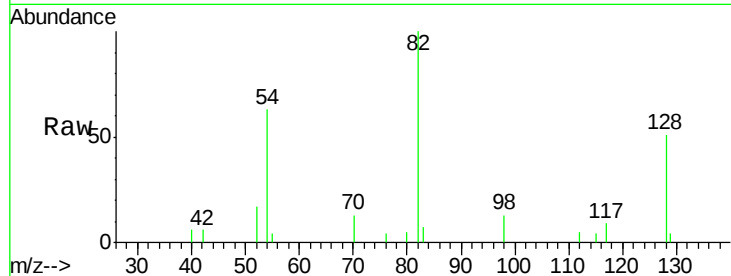
#23
 Nitrobenzene-d5
 Concen: 3.495 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101156.D
 Acq: 6 Dec 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-ADL

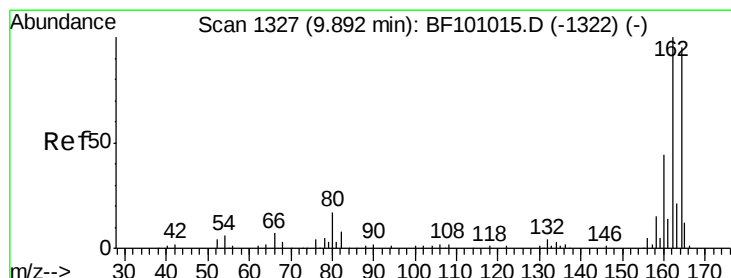
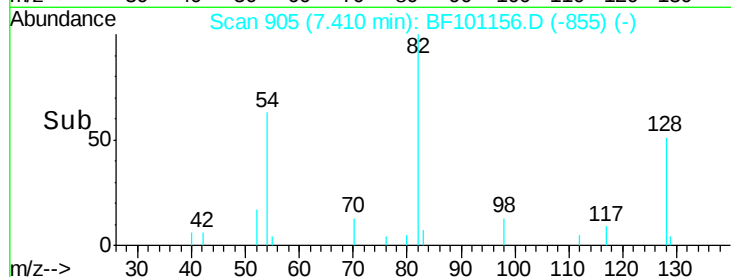
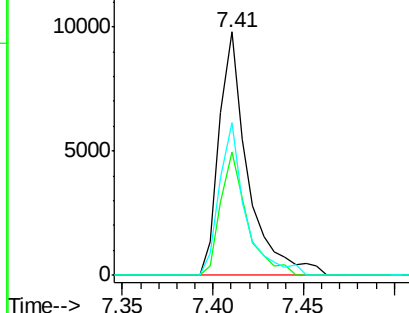
Tot Ion	82	Resp	10774
Ion Ratio	Lower	Upper	
82	100		
128	50.6	36.1	54.1
54	62.6	41.4	62.2#

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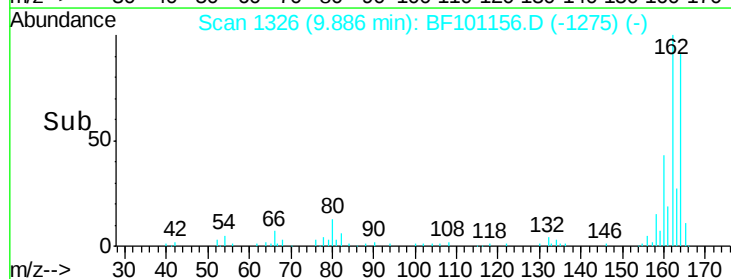
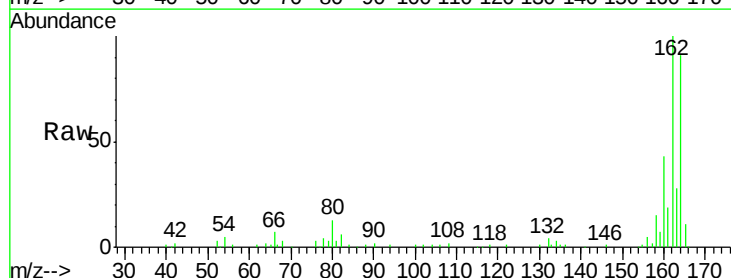
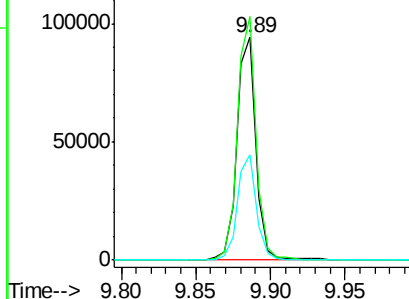
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

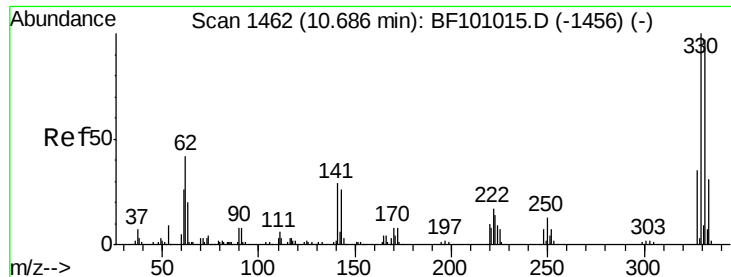


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF101156.D
 Acq: 6 Dec 2017 8:57

Tgt Ion	164	Resp	84701
Ion Ratio	Lower	Upper	
164	100		
162	109.3	86.1	129.1
160	47.3	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





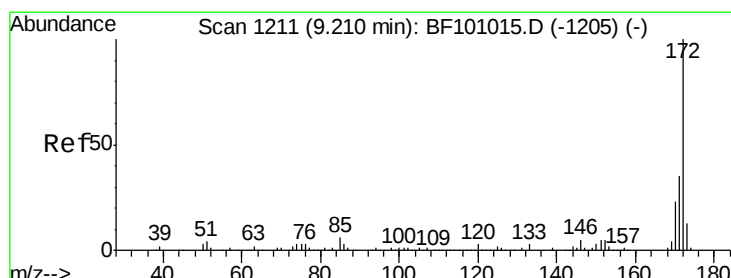
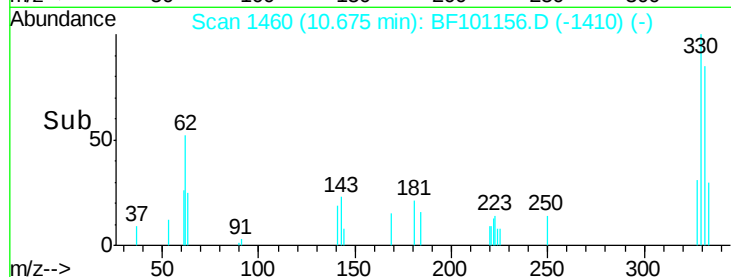
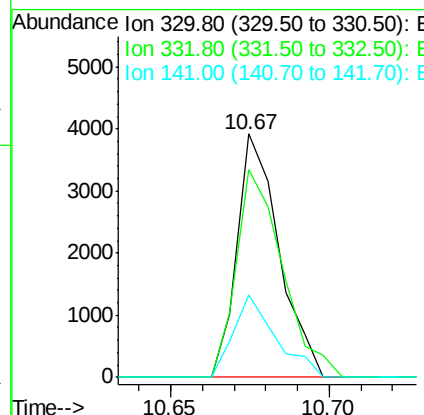
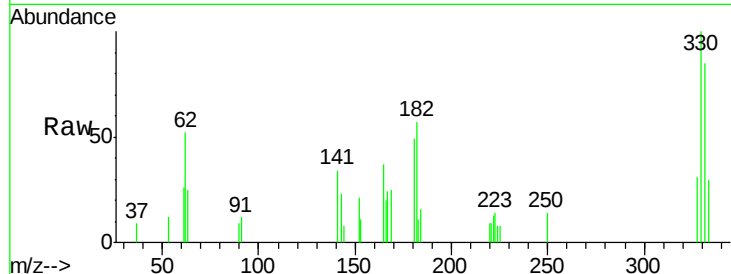
#41
 2,4,6-Tribromophenol
 Concen: 3.515 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101156.D
 Acq: 6 Dec 2017 8:57

Instrument :
 BNA_F
 ClientSampleID :
 CS-TP102-ADL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	34.0	29.9	44.9

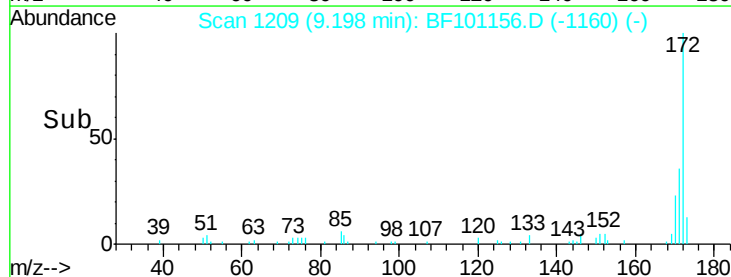
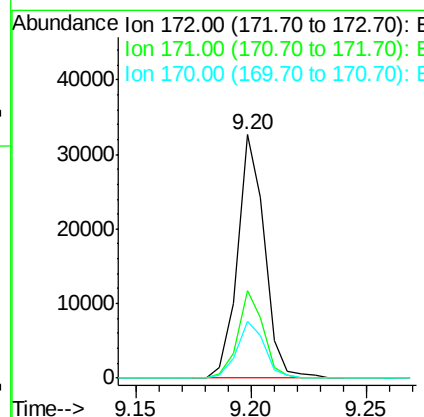
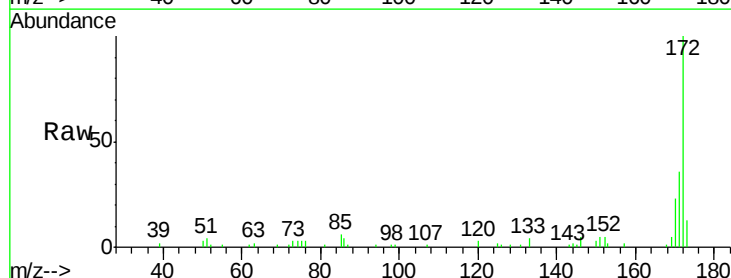
Manual Integrations
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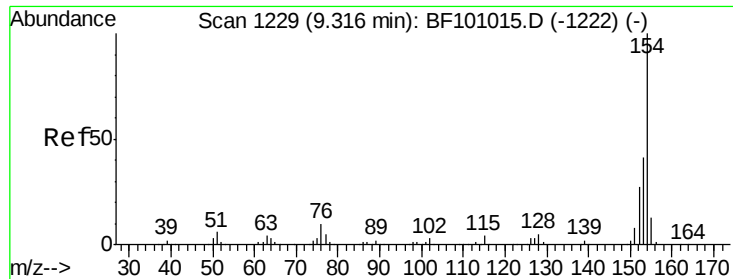
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#44
 2-Fluorobiphenyl
 Concen: 4.290 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101156.D
 Acq: 6 Dec 2017 8:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.3	19.6	29.4





#45

1,1'-Biphenyl

Concen: 4.081 ng

RT: 9.30 min Scan# 1227

Delta R.T. -0.01 min

Lab File: BF101156.D

Acq: 6 Dec 2017 8:57

Instrument :

BNA_F

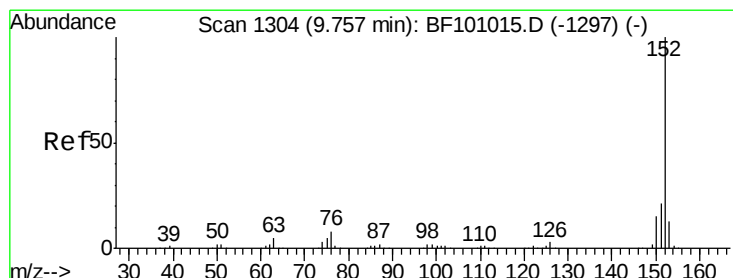
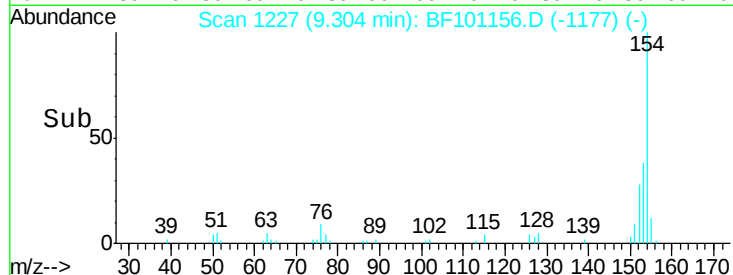
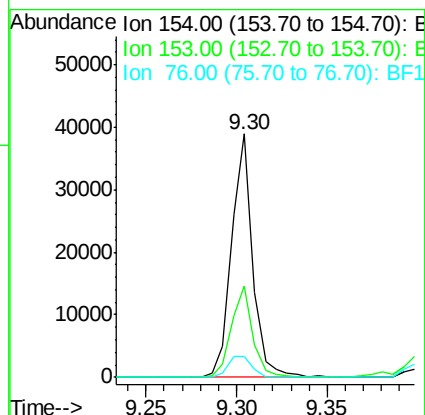
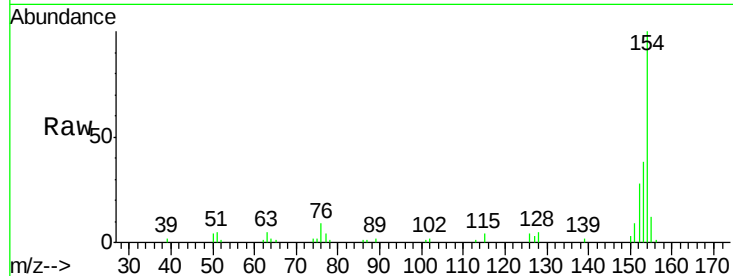
ClientSampleId :

CS-TP102-ADL

Tot Ion:	154	Resp:	31669
Ion Ratio	Lower	Upper	
154	100		
153	37.7	21.3	61.3
76	8.7	0.0	34.0

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#48

Acenaphthylene

Concen: 2.705 ng

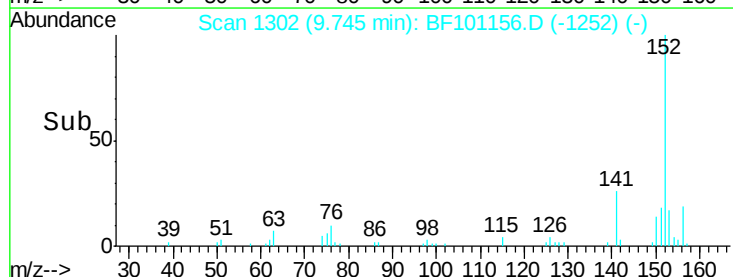
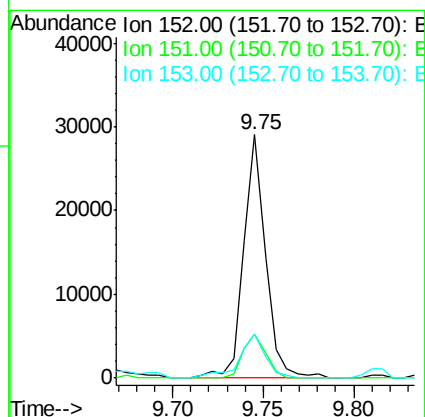
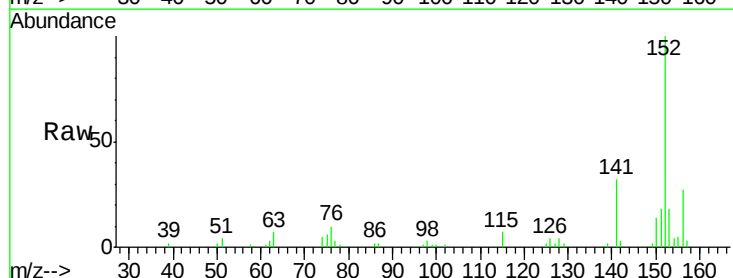
RT: 9.75 min Scan# 1302

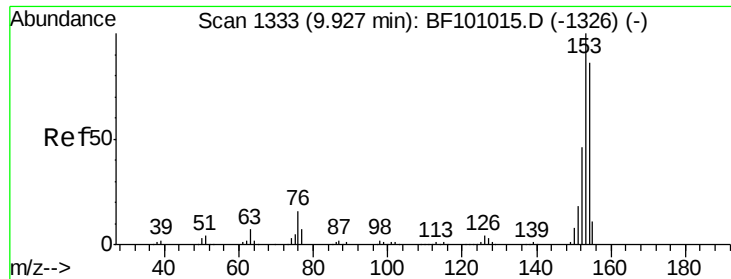
Delta R.T. -0.01 min

Lab File: BF101156.D

Acq: 6 Dec 2017 8:57

Tgt Ion:	152	Resp:	24497
Ion Ratio	Lower	Upper	
152	100		
151	18.2	16.3	24.5
153	18.1	10.7	16.1#





#51

Acenaphthene

Concen: 16.575 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF101156.D

Acq: 6 Dec 2017 8:57

Instrument :

BNA_F

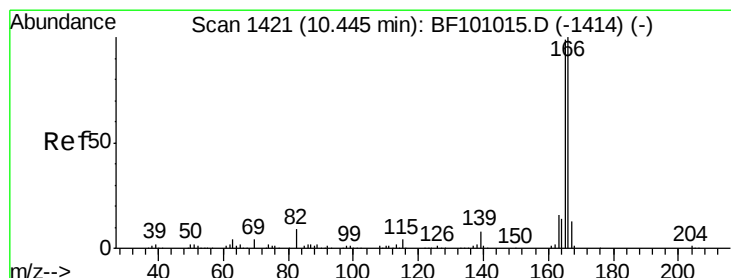
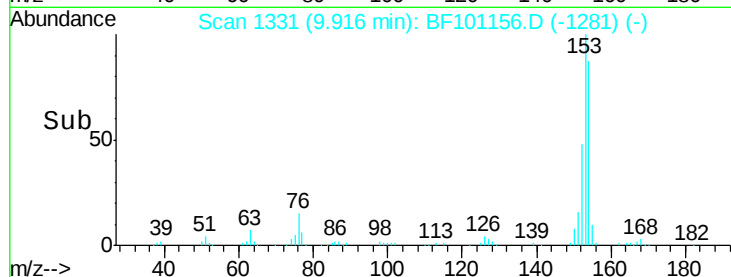
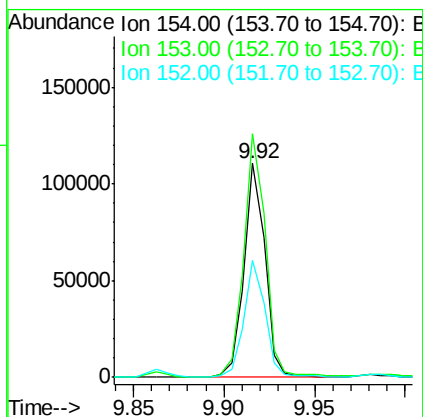
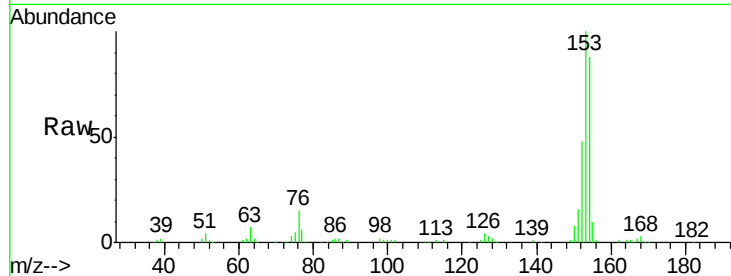
ClientSampleId :

CS-TP102-ADL

Tot Ion:	154	Resp:	89893
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.2	136.8
152	55.0	43.8	65.8

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#57

Fluorene

Concen: 10.711 ng

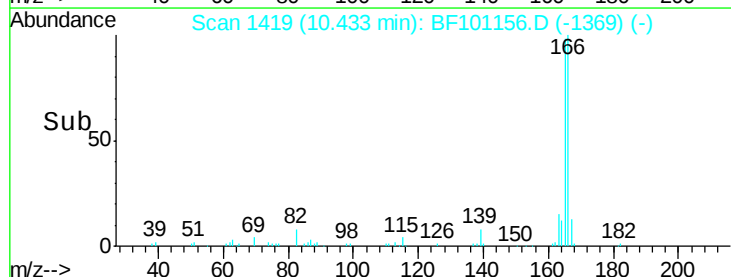
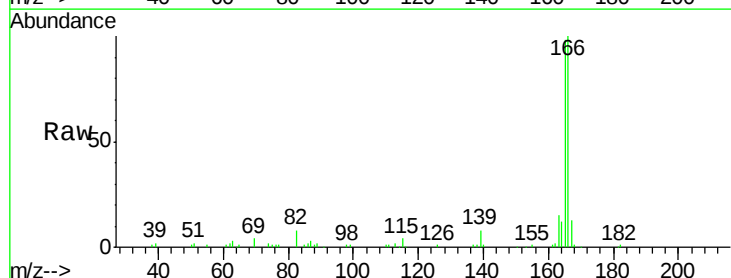
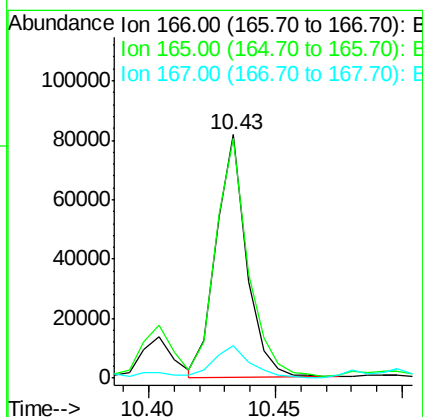
RT: 10.43 min Scan# 1419

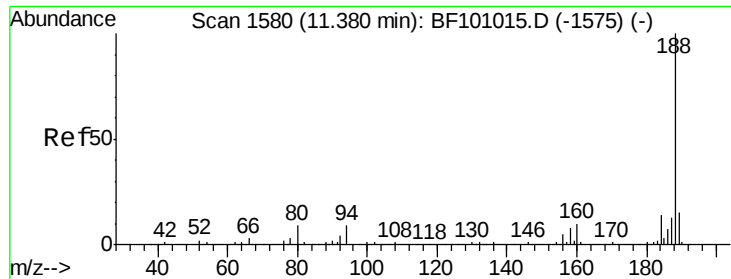
Delta R.T. -0.01 min

Lab File: BF101156.D

Acq: 6 Dec 2017 8:57

Tgt Ion:	166	Resp:	68049
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.8	119.8
167	13.4	10.6	16.0





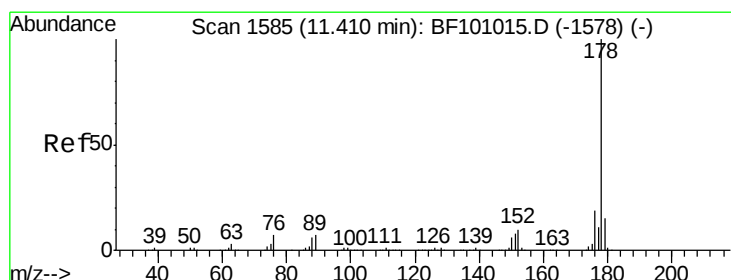
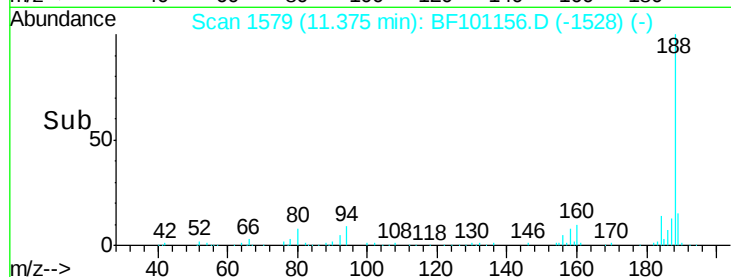
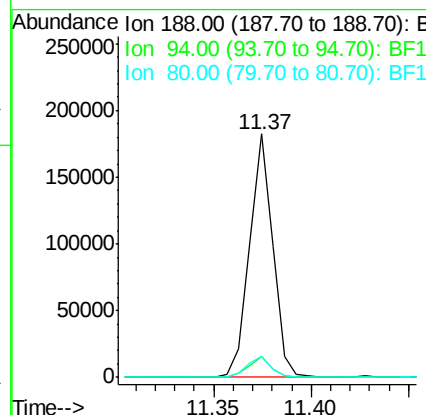
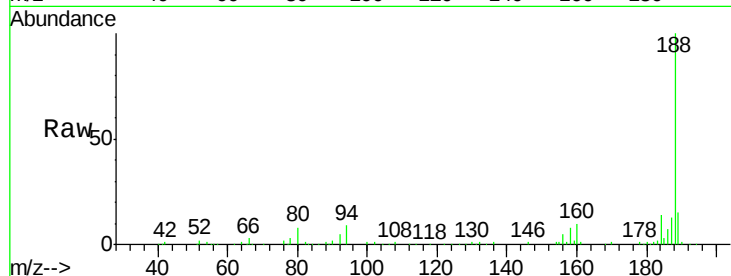
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Instrument :
BNA_F
ClientSampleId :
CS-TP102-ADL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.5	8.5	12.7
80	8.4	9.2	13.8#

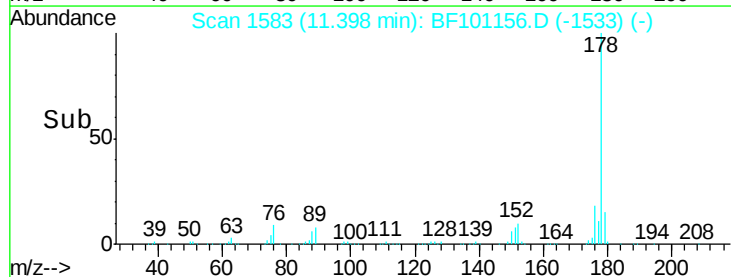
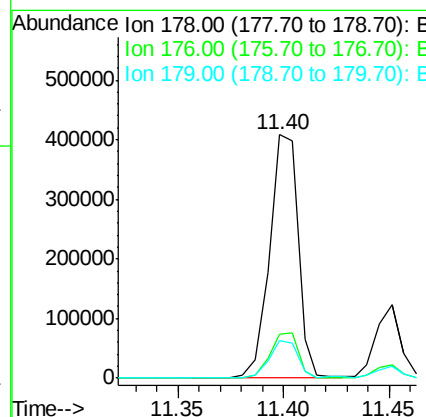
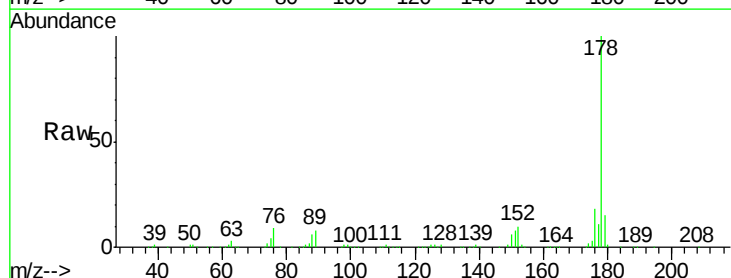
Manual Integrations
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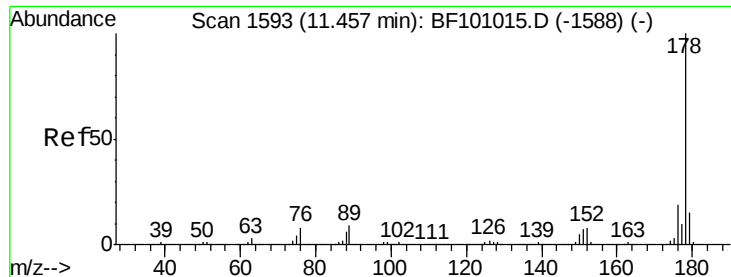
Sohil
12/6/2017 5:13:42 PM



#70
Phenanthrene
Concen: 46.535 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.4	13.0	19.6





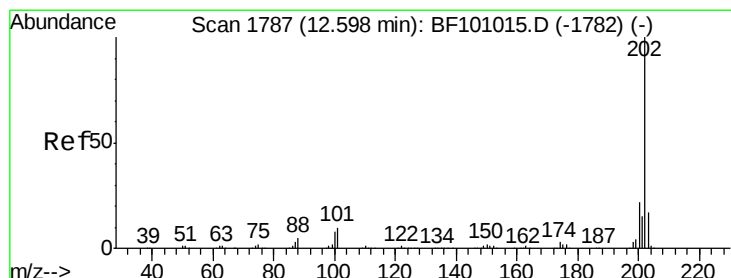
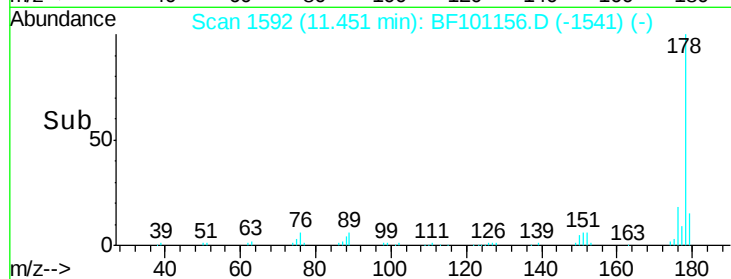
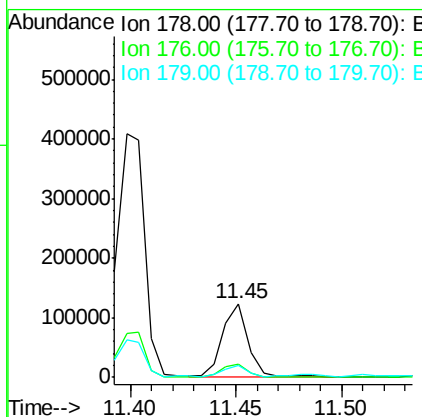
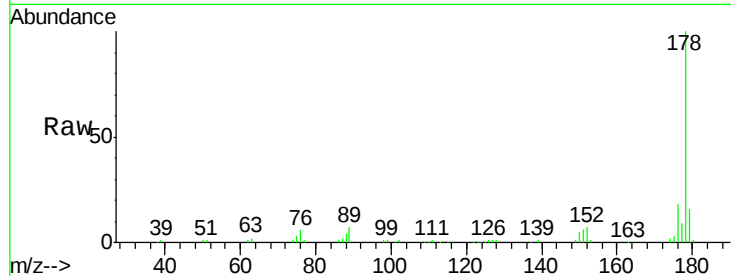
#71
 Anthracene
 Concen: 12.301 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF101156.D
 Acq: 6 Dec 2017 8:57

Instrument :
 BNA_F
 ClientSampleID :
 CS-TP102-ADL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.6	12.6	19.0

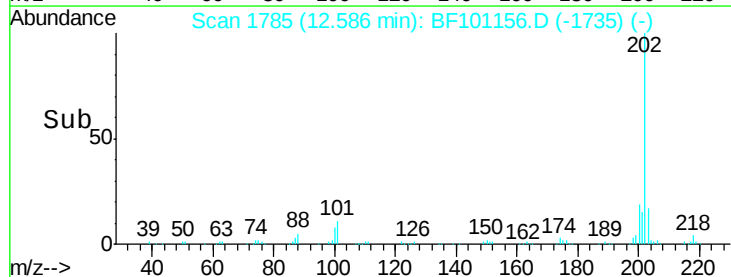
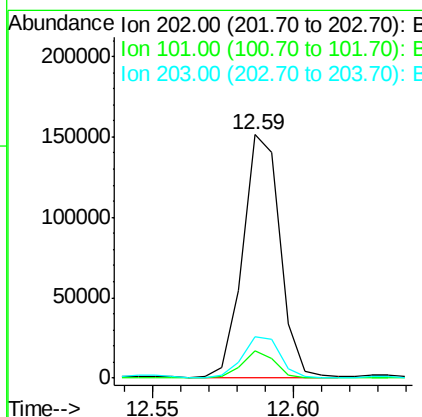
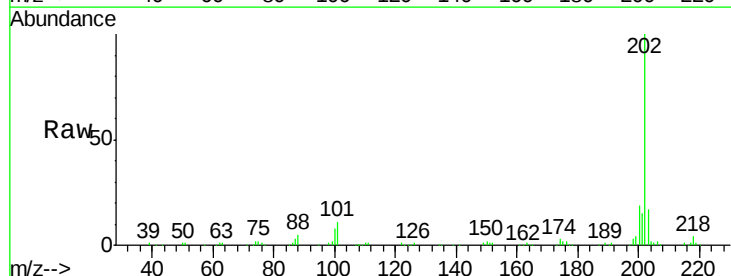
Manual Integrations
 APPROVED

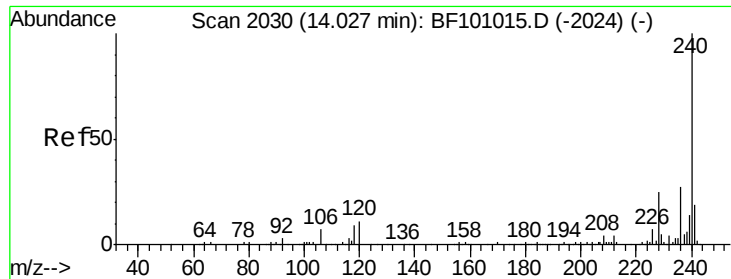
Sohil
 12/6/2017 5:13:42 PM



#74
 Fluoranthene
 Concen: 15.029 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF101156.D
 Acq: 6 Dec 2017 8:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	17.3	0.0	38.1





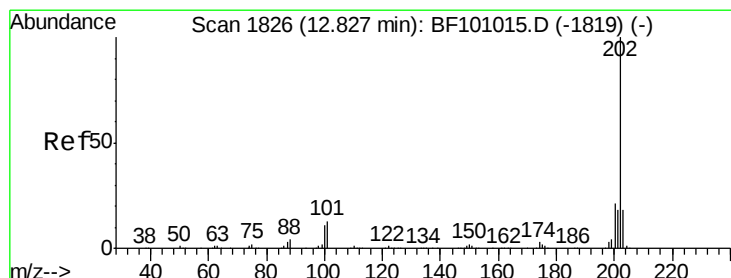
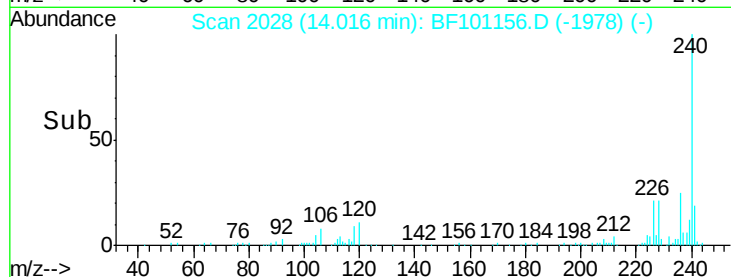
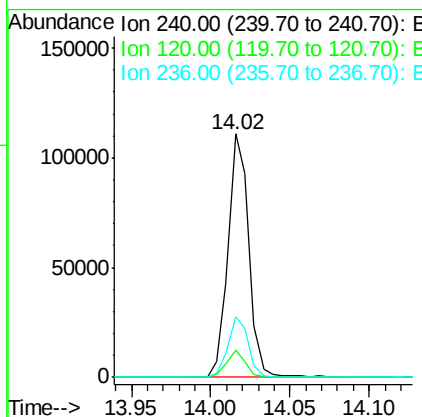
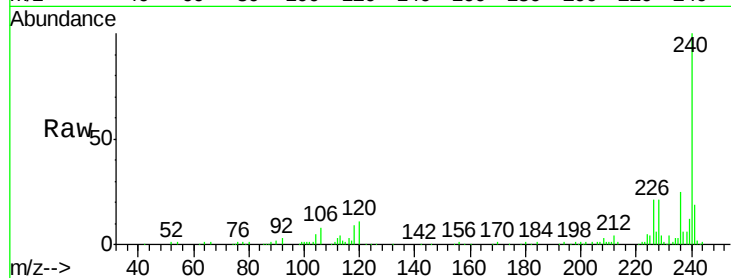
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Instrument :
BNA_F
ClientSampleId :
CS-TP102-ADL

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.1	9.5	14.3
236	24.7	20.7	31.1

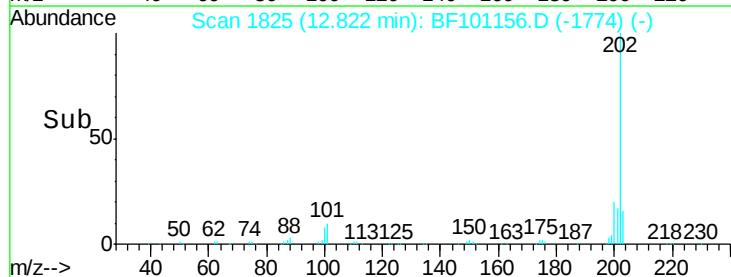
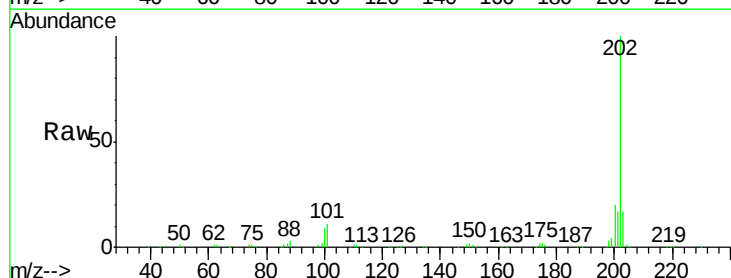
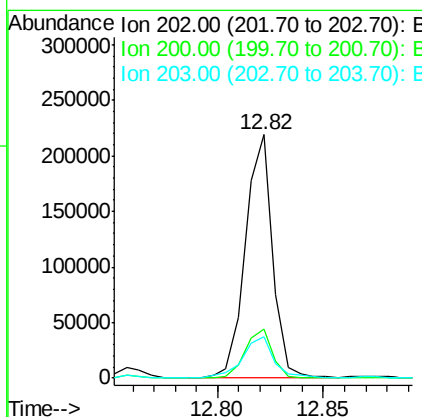
Manual Integrations
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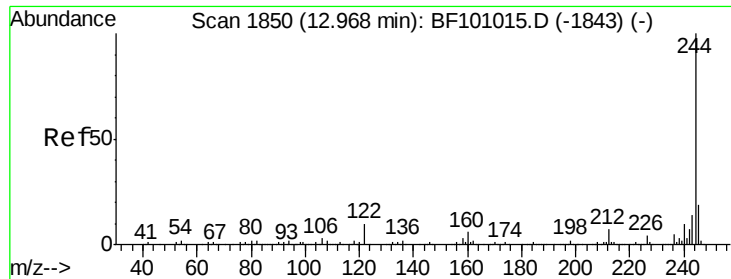
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#77
Pyrene
Concen: 27.926 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.4	26.2
203	16.9	14.3	21.5





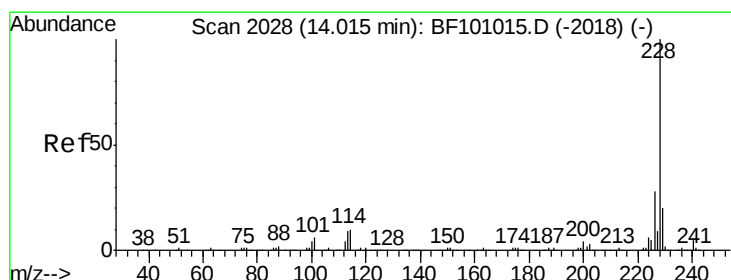
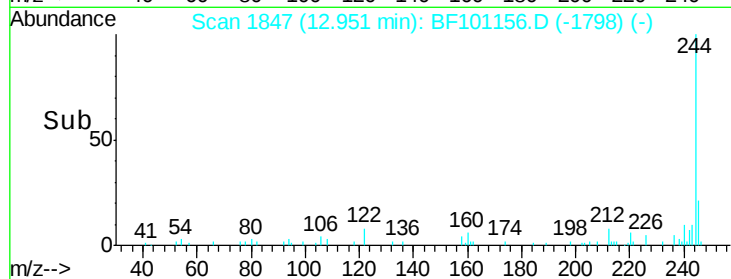
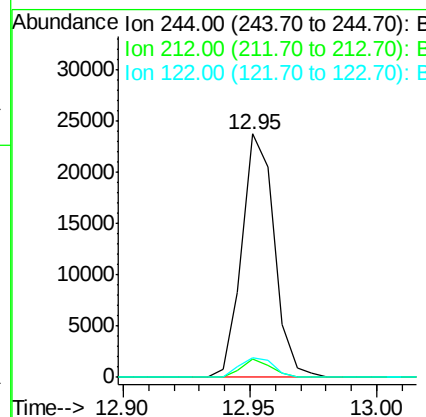
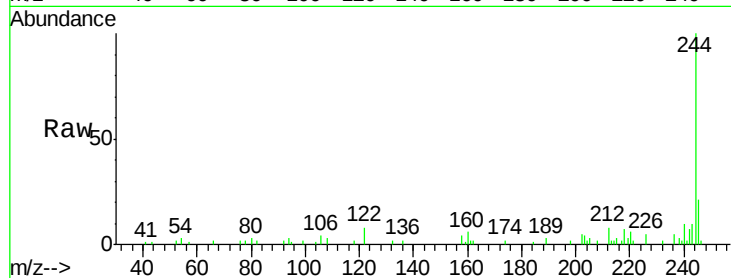
#78
 Terphenyl-d14
 Concen: 4.564 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF101156.D
 Acq: 6 Dec 2017 8:57

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-ADL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.4	8.0
122	7.9	11.0	16.4

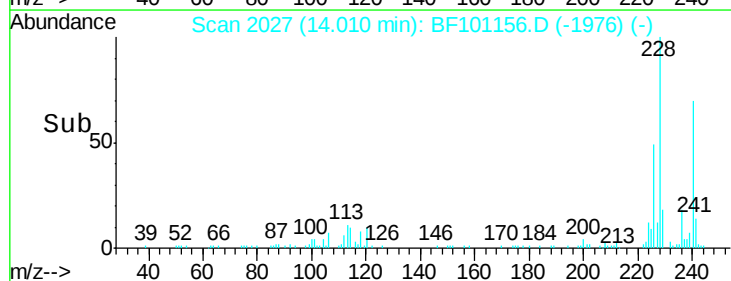
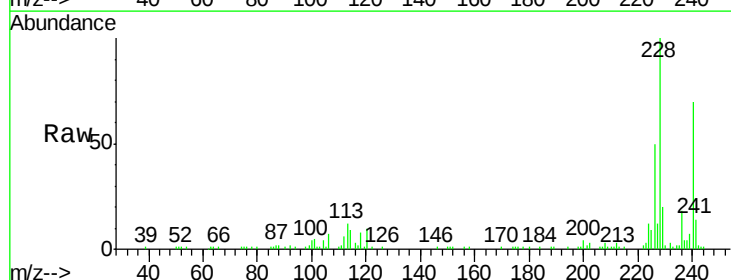
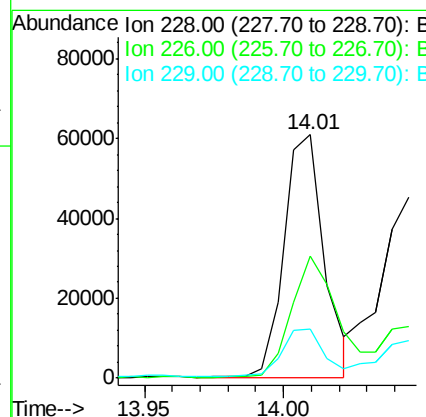
Manual Integrations
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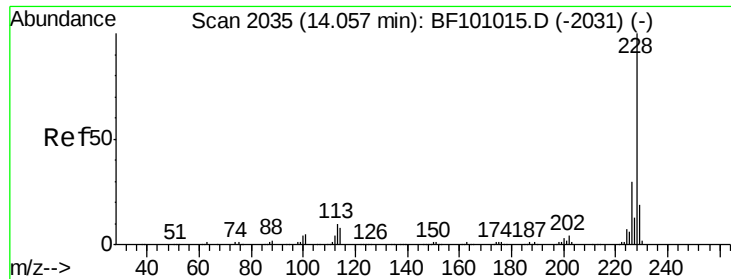
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#80
 Benzo(a)anthracene
 Concen: 9.656 ng m
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101156.D
 Acq: 6 Dec 2017 8:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	50.1	22.6	33.8
229	20.0	15.8	23.6





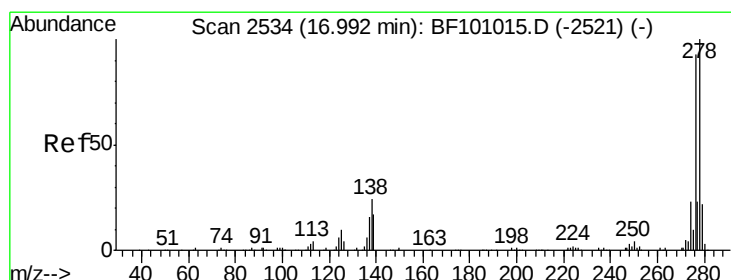
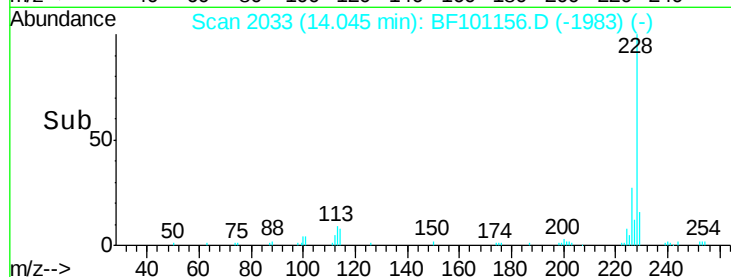
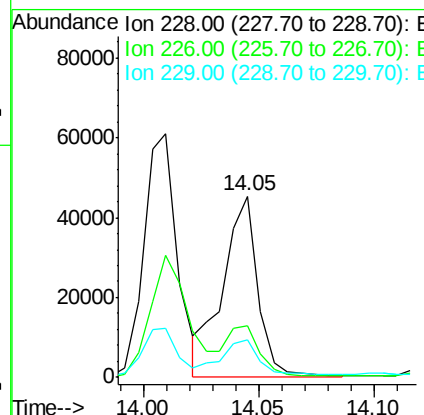
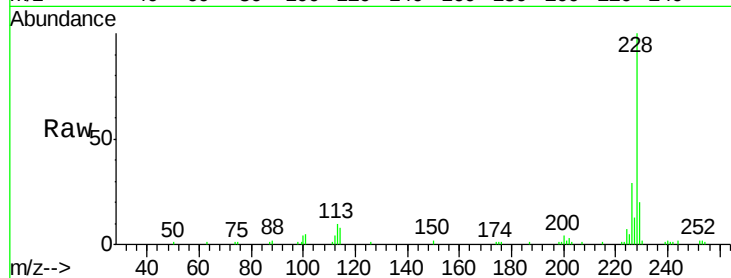
#82
Chrysene
Concen: 8.187 ng
RT: 14.05 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Instrument :
BNA_F
ClientSampleId :
CS-TP102-ADL

Tot Ion:	228	Resp:	48425
Ion Ratio	Lower	Upper	
228	100		
226	28.7	25.0	37.6
229	20.4	16.2	24.4

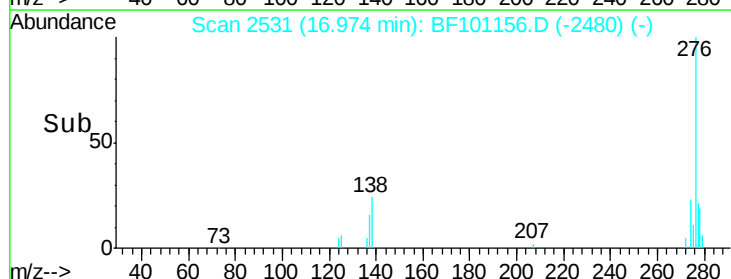
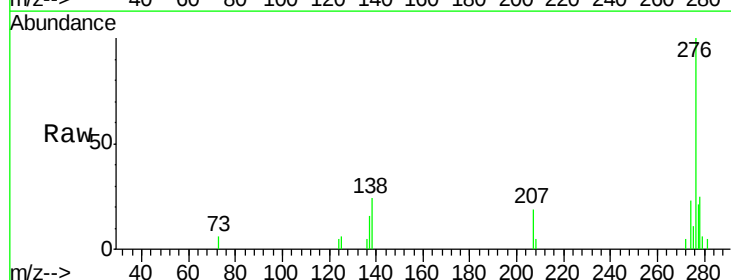
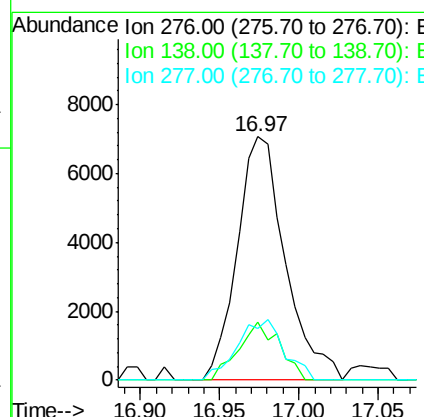
Manual Integrations
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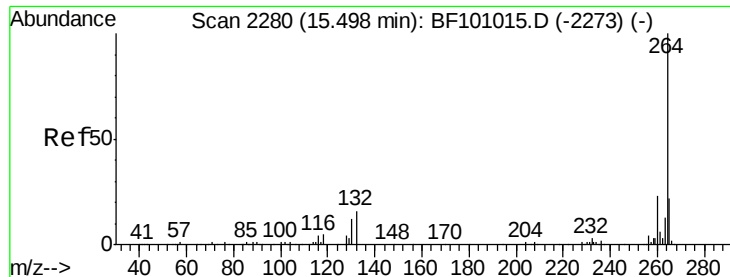
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.823 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Tgt Ion:	276	Resp:	14847
Ion Ratio	Lower	Upper	
276	100		
138	20.2	25.0	37.6#
277	24.1	20.1	30.1





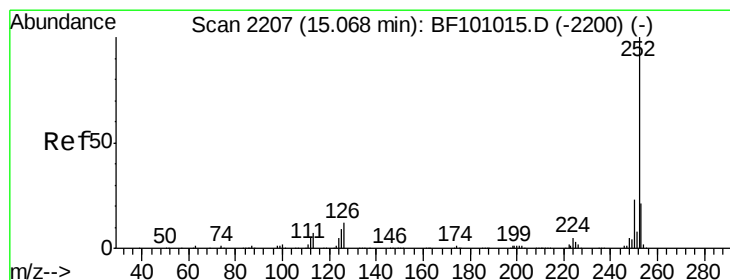
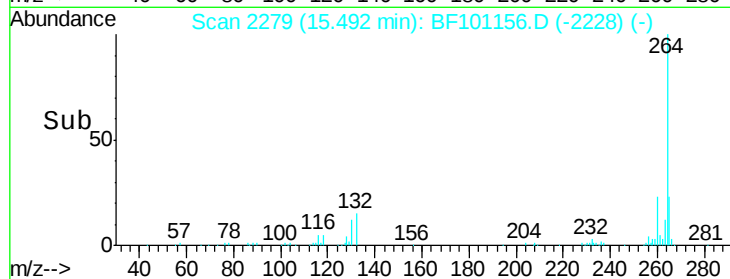
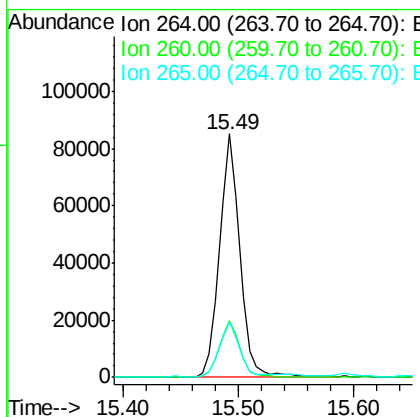
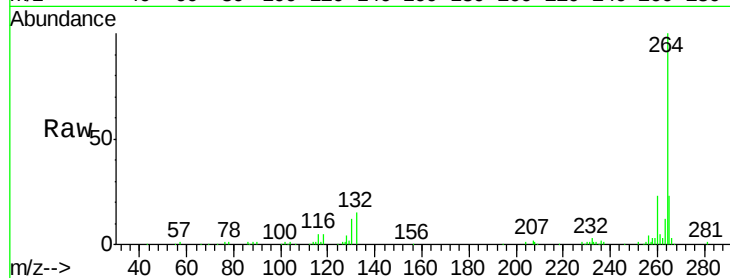
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Instrument :
BNA_F
ClientSampleId :
CS-TP102-ADL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	23.0	17.5	26.3

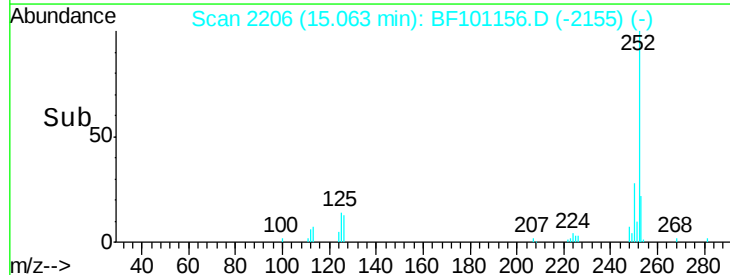
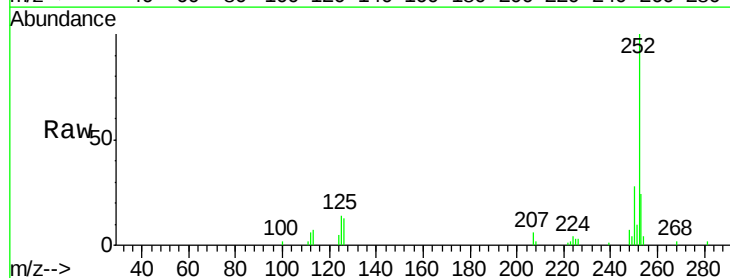
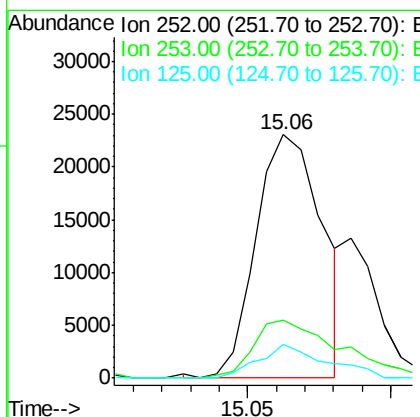
Manual Integrations
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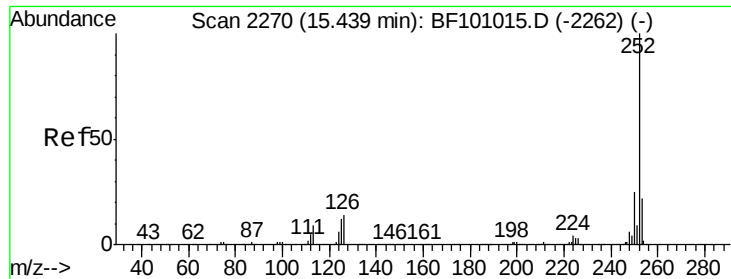
Sohil
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#87
Benzo(b)fluoranthene
Concen: 5.901 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	13.7	9.0	13.6#





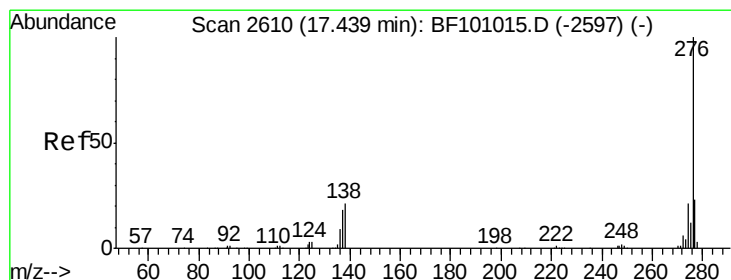
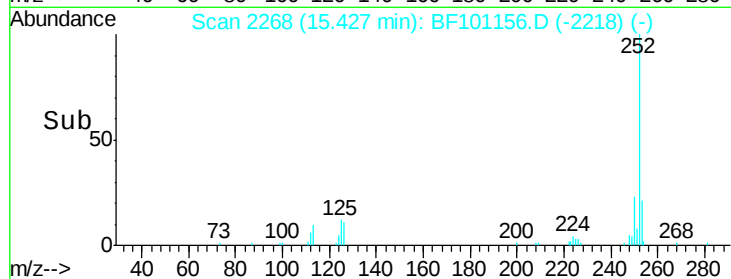
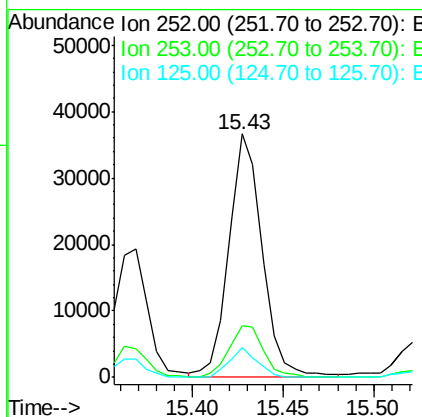
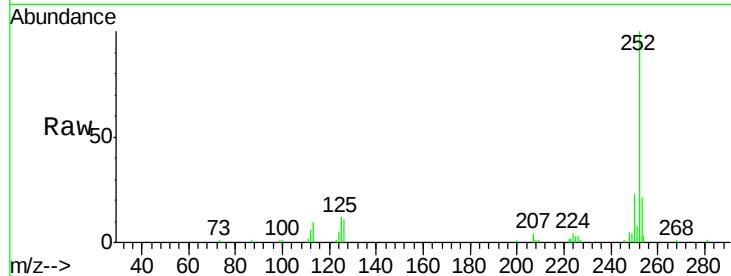
#89
Benzo(a)pyrene
Concen: 8.253 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Instrument :
BNA_F
ClientSampleId :
CS-TP102-ADL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	12.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.516 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.00 min
Lab File: BF101156.D
Acq: 6 Dec 2017 8:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	17.5	21.8	32.8

