

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102757.D
 Acq On : 6 Feb 2018 00:50
 Operator : SJ/JU
 Sample : J1447-01 20X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB45_N_8

Manual Integrations
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 2/6/2018 2:25:55 PM

Quant Time: Feb 06 02:53:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	218511	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	873686	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	382433	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	583330	20.00	ng	0.00
75) Chrysene-d12	14.04	240	334730	20.00	ng	0.00
86) Perylene-d12	15.52	264	339636	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	78681	5.47	ng	-0.01
7) Phenol-d6	6.49	99	93542	5.40	ng	-0.02
23) Nitrobenzene-d5	7.43	82	52729	4.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	13535	4.40	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	70590	3.06	ng	-0.01
78) Terphenyl-d14	12.99	244	40417	2.86	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.18	128	251705	5.897	ng	100
48) Acenaphthylene	9.77	152	197469	5.014	ng	98
54) Dibenzofuran	10.12	168	83114	2.504	ng	98
57) Fluorene	10.46	166	103394	4.281	ng	100
70) Phenanthrene	11.43	178	1130553	34.799	ng	99
71) Anthracene	11.48	178	476264	14.413	ng	99
72) Carbazole	11.63	167	140761	4.348	ng	99
74) Fluoranthene	12.62	202	1603650	49.062	ng	99
77) Pyrene	12.85	202	1268282	48.319	ng	99
80) Benzo(a)anthracene	14.03	228	610105m	28.982	ng	
82) Chrysene	14.07	228	481352	22.683	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	238053	13.526	ng	96
87) Benzo(b)fluoranthene	15.09	252	657563m	29.862	ng	
88) Benzo(k)fluoranthene	15.12	252	254409m	12.092	ng	
89) Benzo(a)pyrene	15.46	252	456488	23.031	ng	97
90) Dibenzo(a,h)anthracene	17.02	278	57338	3.564	ng	95
91) Benzo(g,h,i)perylene	17.45	276	198732	12.621	ng	98

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

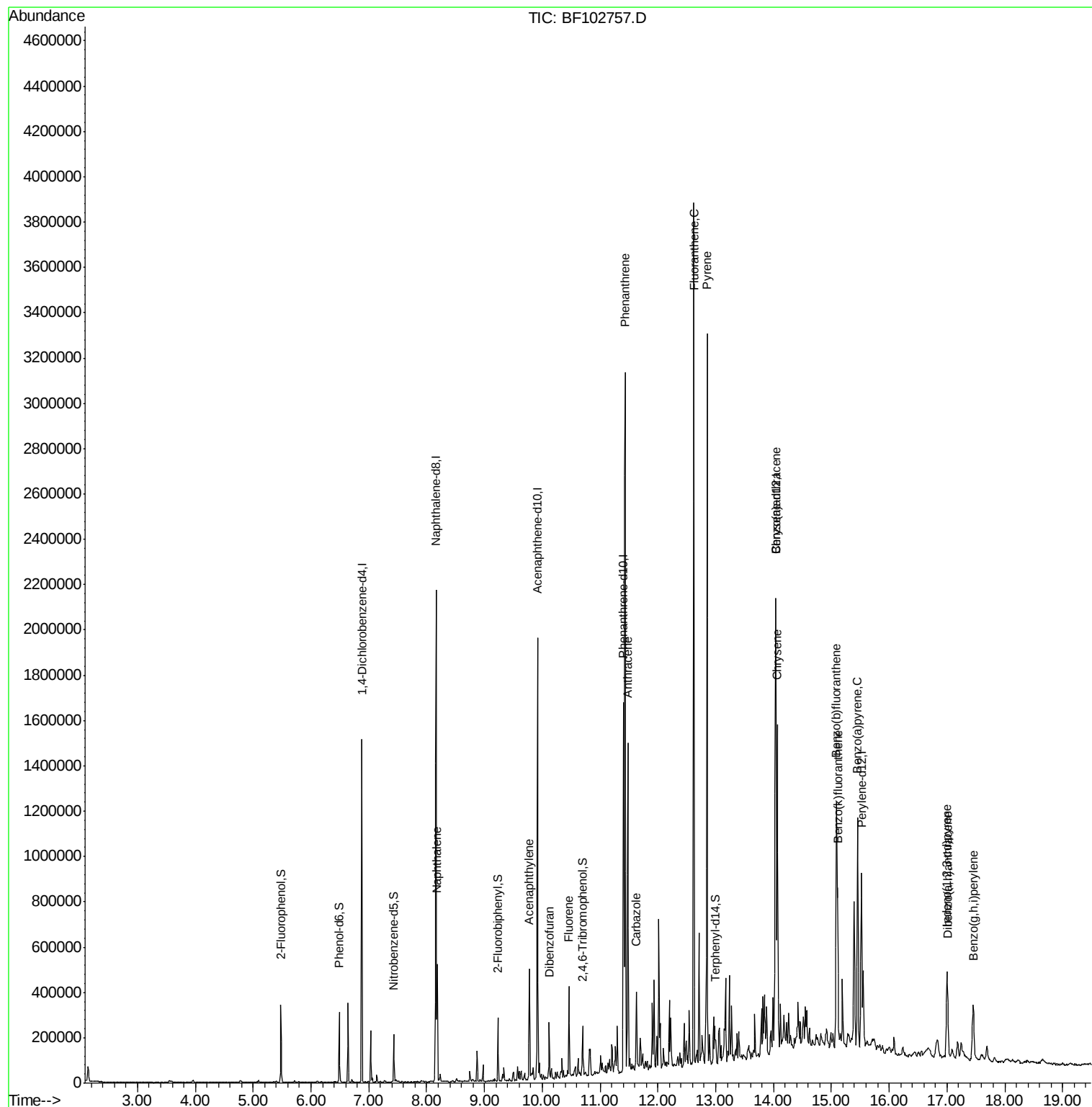
Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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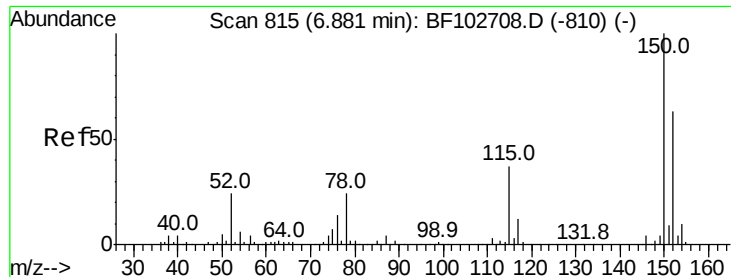
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
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#1

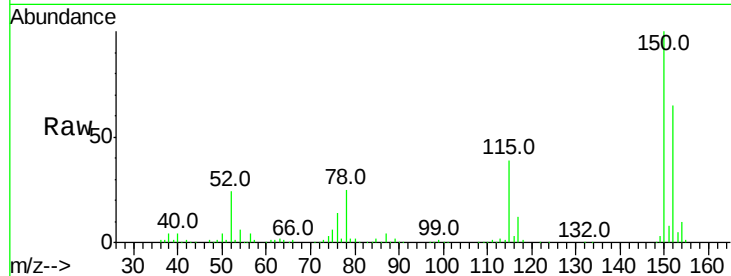
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.6	186.8
115	59.5	50.1	75.1

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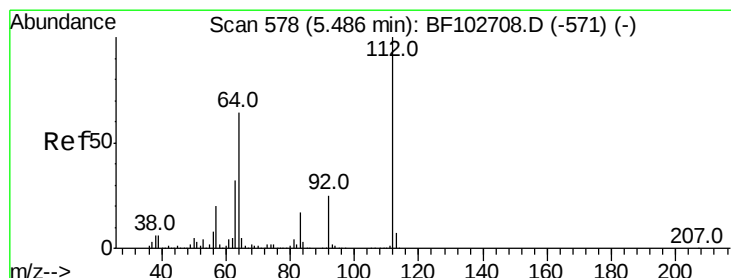
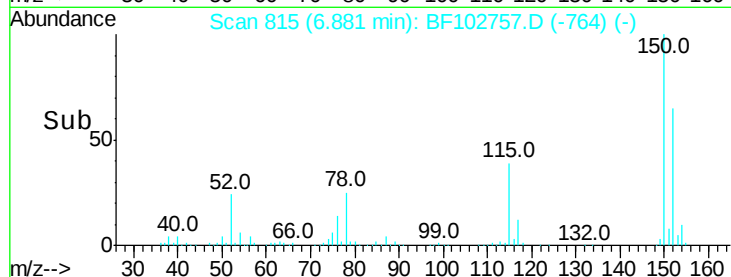
Abundance

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

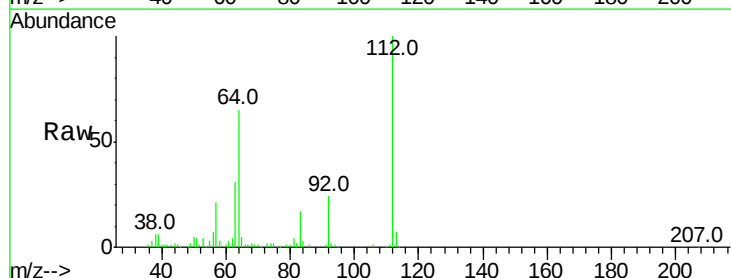
Time-->



#5

2-Fluorophenol
Concen: 5.468 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	47.9	71.9
63	31.3	23.7	35.5



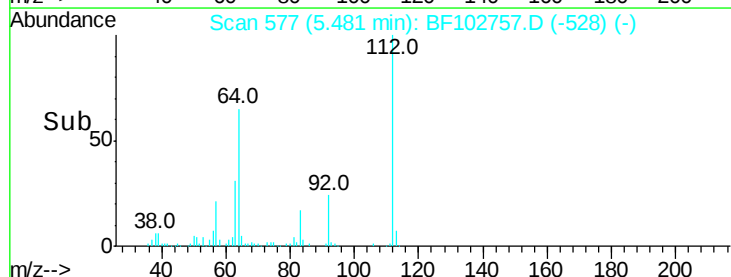
Abundance

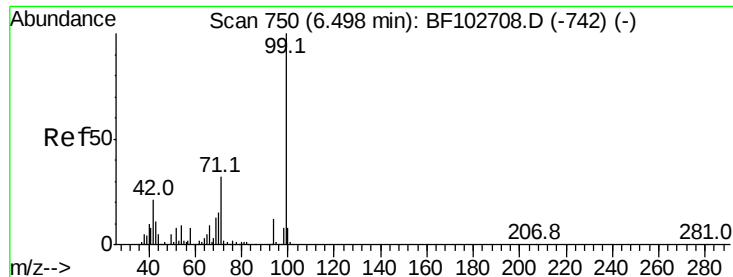
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 5.399 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF102757.D

Acq: 6 Feb 2018 00:50

Instrument :

BNA_F

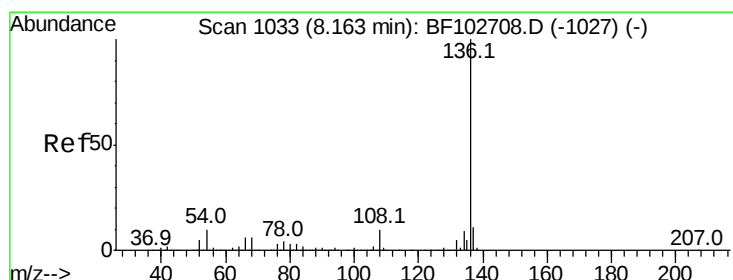
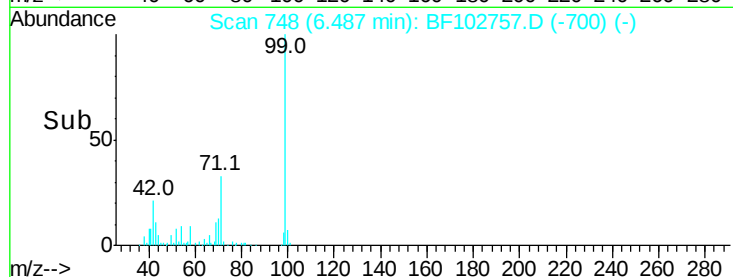
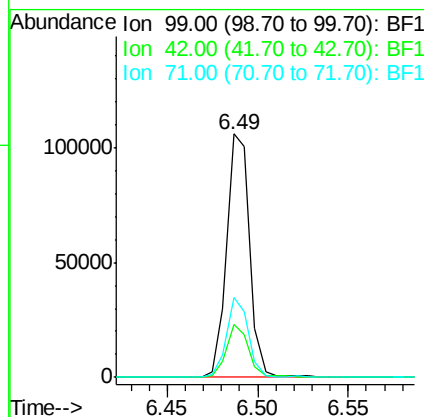
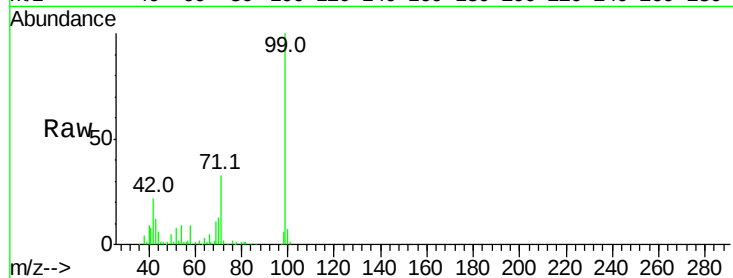
ClientSampled :

A2_SB45_N_8

Tot Ion:	99	Resp:	93542
Ion Ratio	Lower	Upper	
99	100		
42	21.8	14.5	21.7#
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

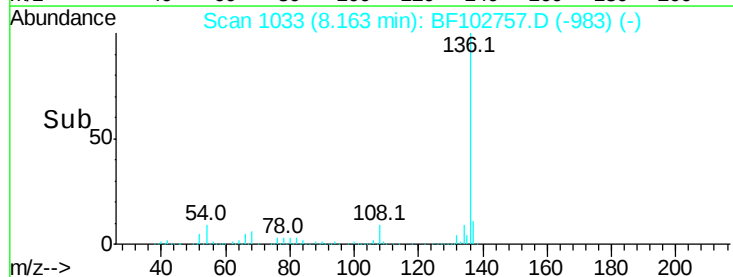
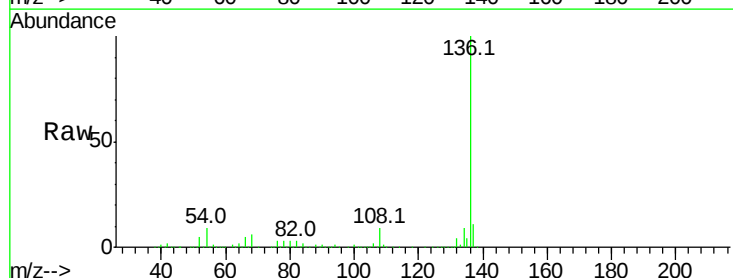
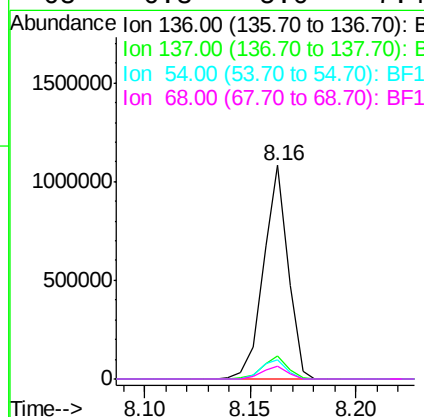
RT: 8.16 min Scan# 1033

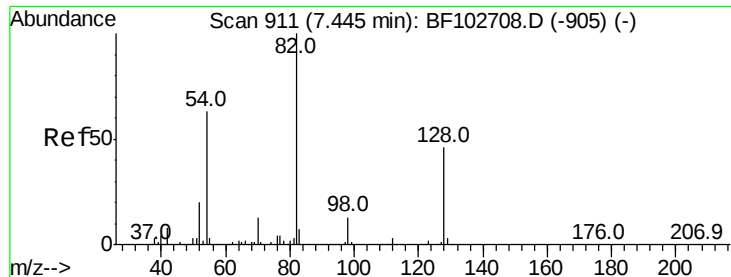
Delta R.T. -0.01 min

Lab File: BF102757.D

Acq: 6 Feb 2018 00:50

Tgt Ion:	136	Resp:	873686
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	6.3	5.0	7.4





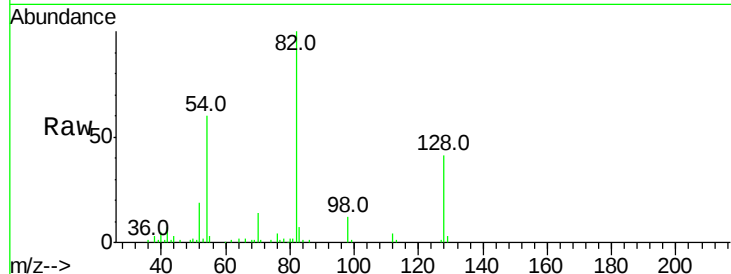
#23
Nitrobenzene-d5
Concen: 4.187 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

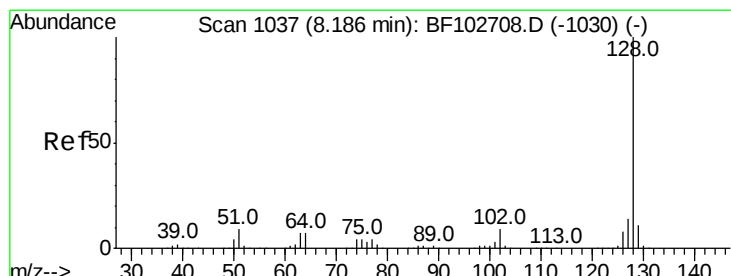
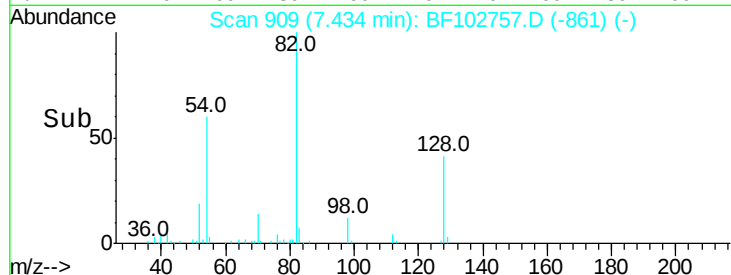
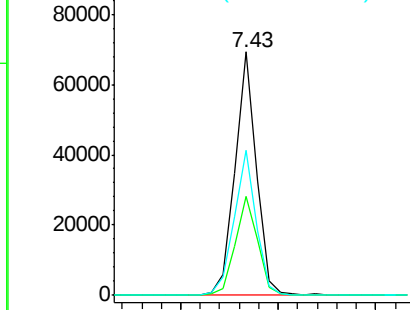
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	36.1	54.1
54	59.8	41.4	62.2

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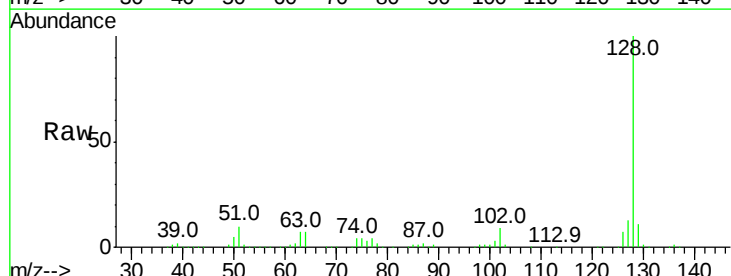


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

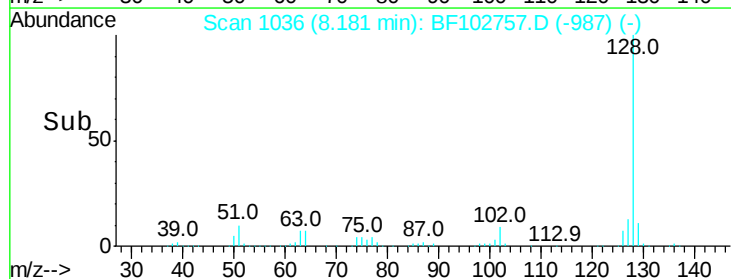
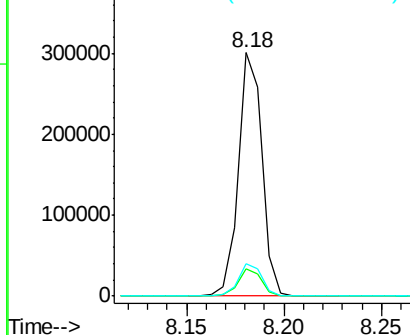


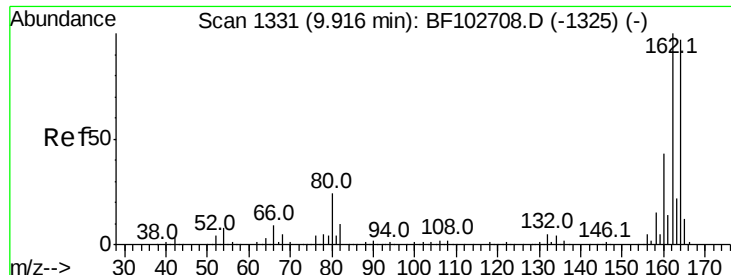
#31
Naphthalene
Concen: 5.897 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.9	16.3



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





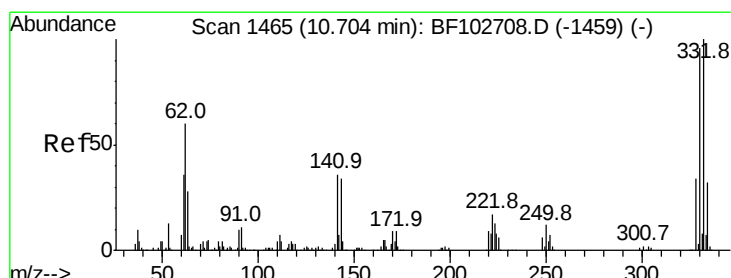
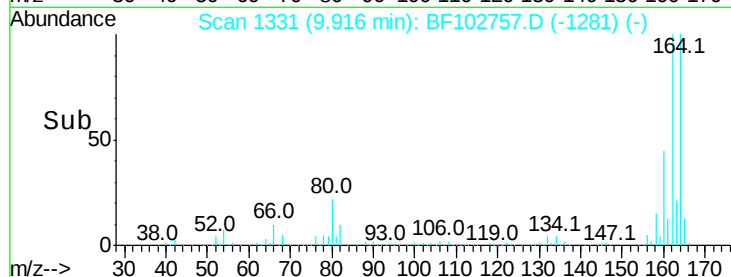
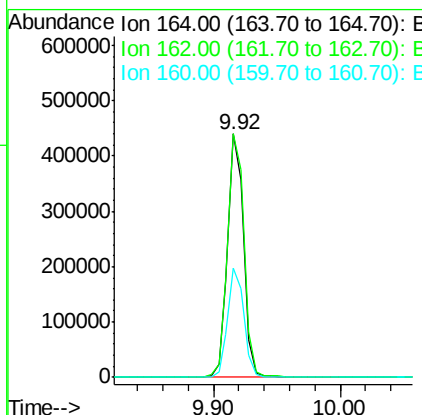
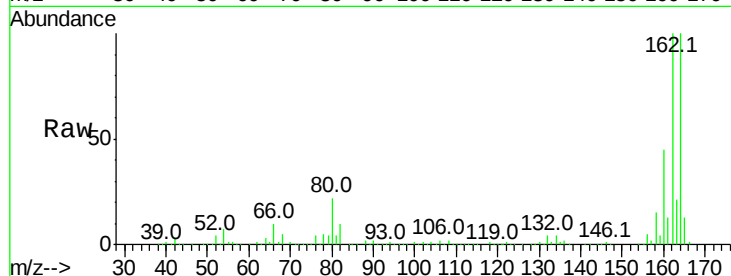
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

Tot Ion	Ratio	Resp	Lower	Upper
164	100	382433		
162	100.1	86.1	129.1	
160	45.0	38.3	57.5	

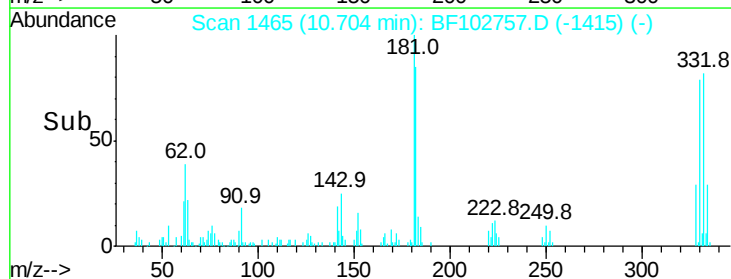
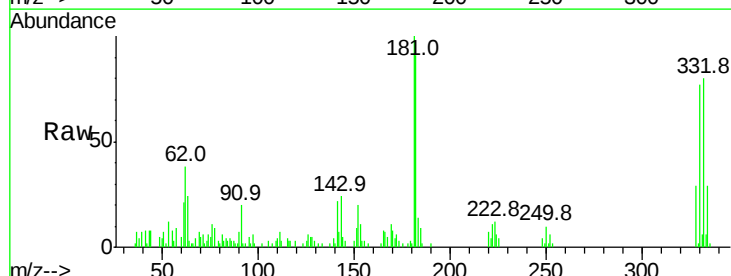
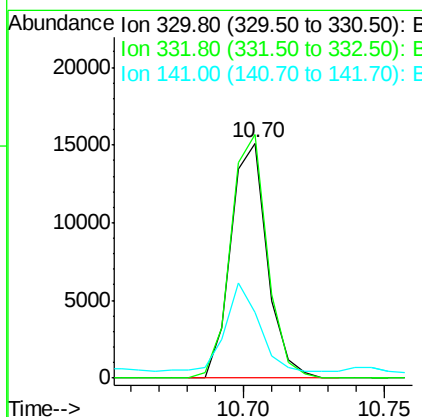
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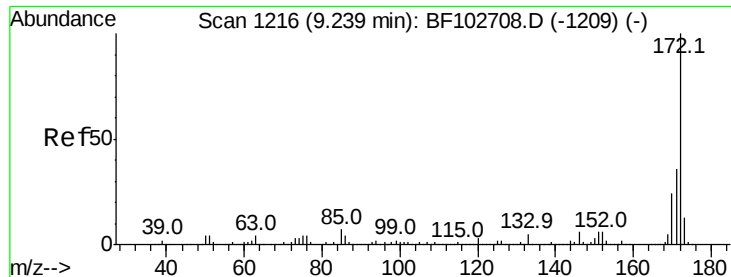
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#41
2,4,6-Tribromophenol
Concen: 4.397 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	13535		
332	103.9	77.0	115.6	
141	35.2	29.9	44.9	





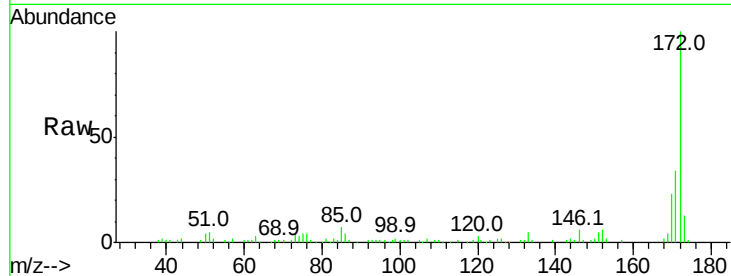
#44
 2-Fluorobiphenyl
 Concen: 3.063 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102757.D
 Acq: 6 Feb 2018 00:50

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB45_N_8

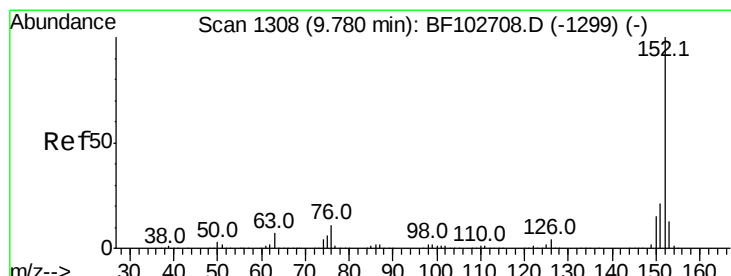
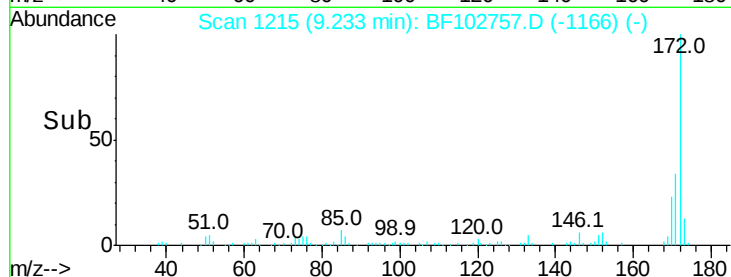
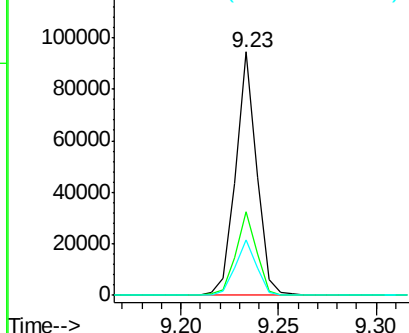
Tot Ion	Ratio	Resp	Lower	Upper
172	100	70590		
171	34.1		29.7	44.5
170	22.6		19.6	29.4

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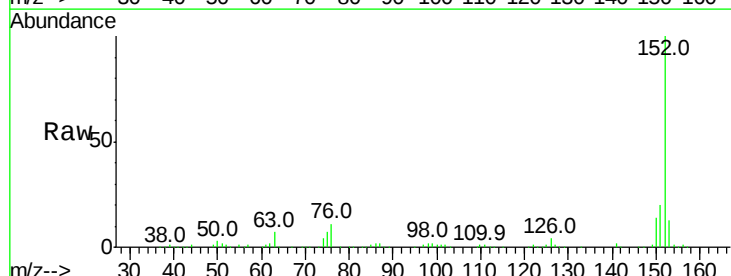


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

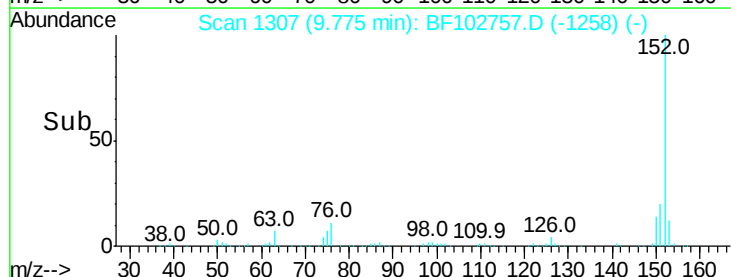
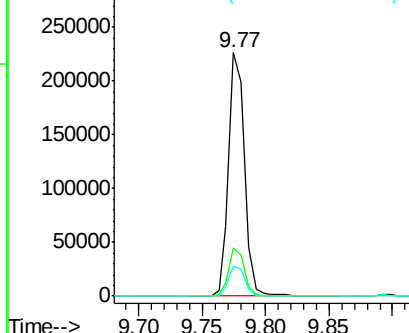


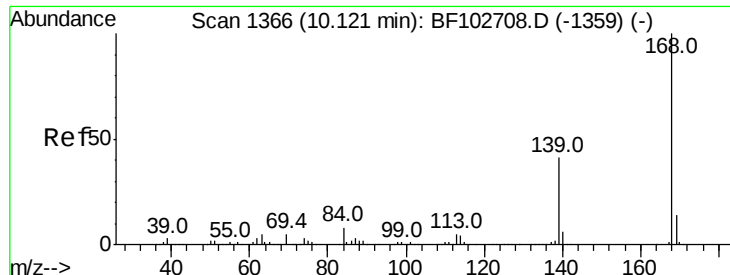
#48
 Acenaphthylene
 Concen: 5.014 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF102757.D
 Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	197469		
151	19.6		16.3	24.5
153	12.5		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





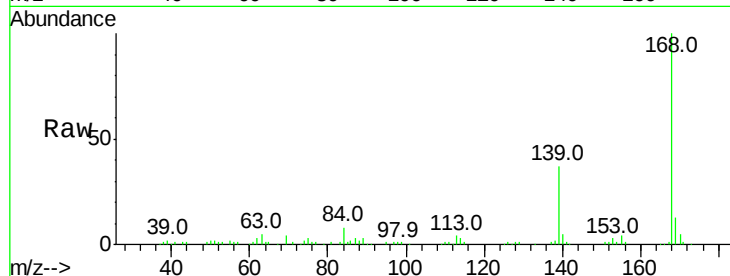
#54
Dibenzenofuran
Concen: 2.504 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampled :
A2_SB45_N_8

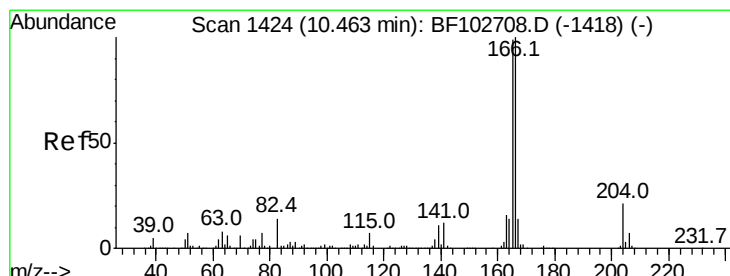
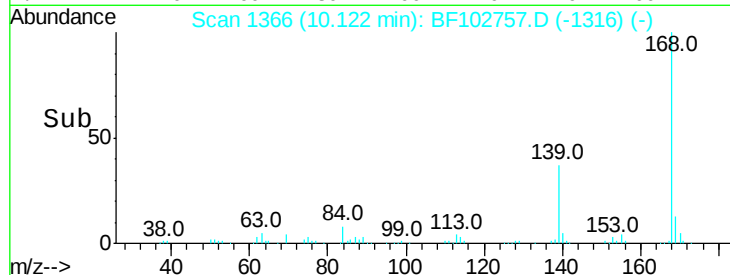
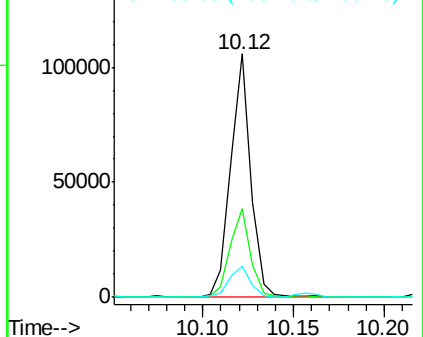
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.6	30.1	45.1
169	12.8	10.9	16.3

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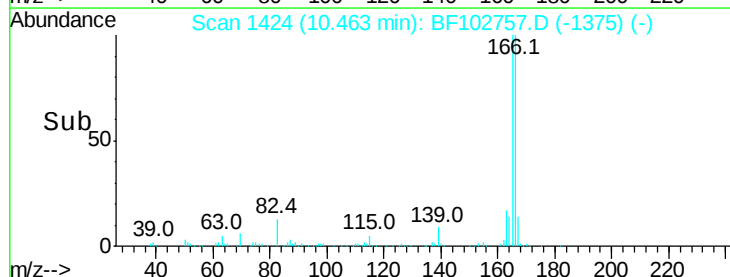
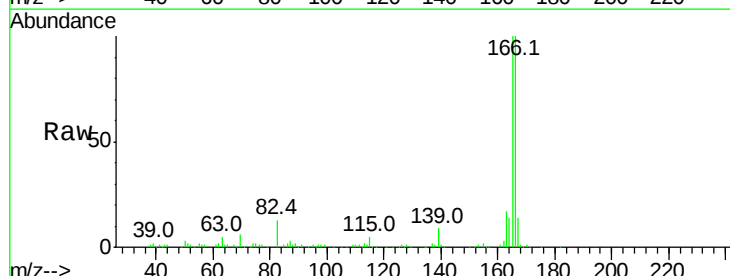
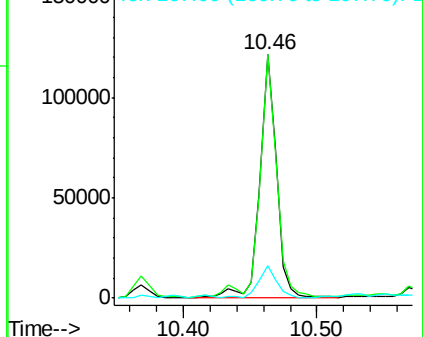
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

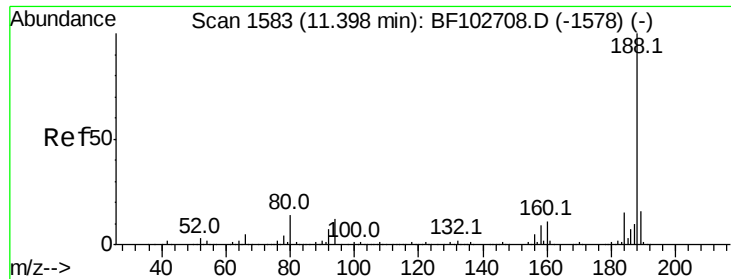


#57
Fluorene
Concen: 4.281 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.8
167	13.5	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





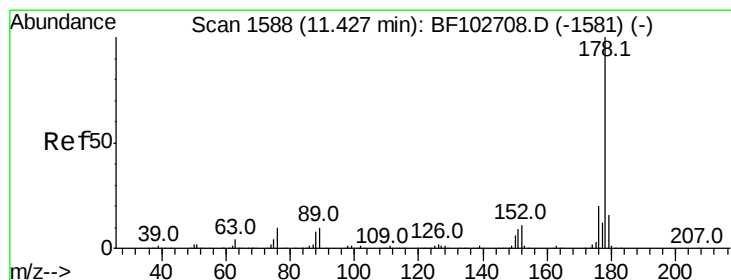
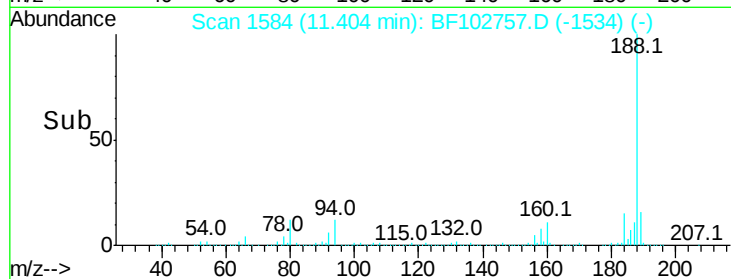
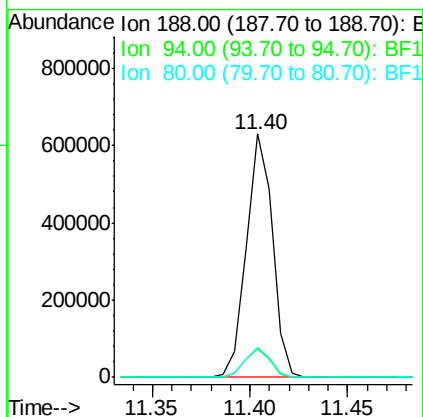
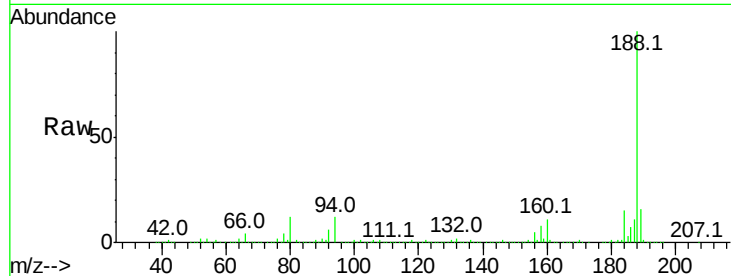
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

Tot Ion	Ratio	Resp	Lower	Upper
188	100	583330		
94	11.8		8.5	12.7
80	12.5		9.2	13.8

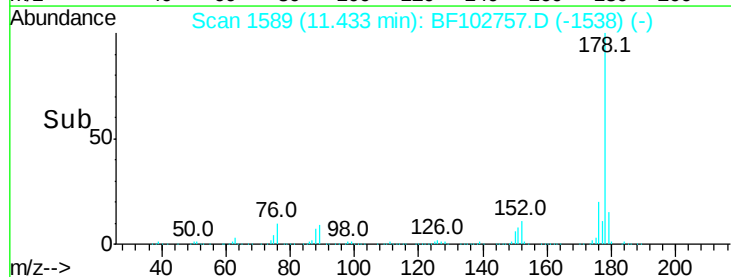
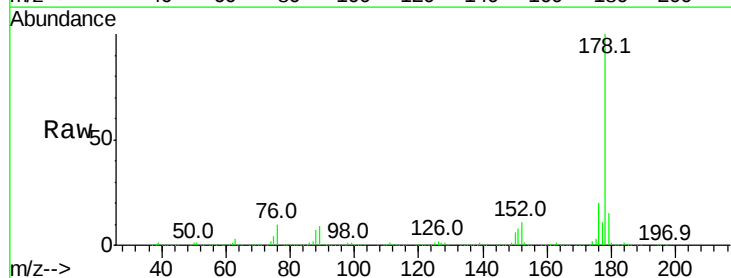
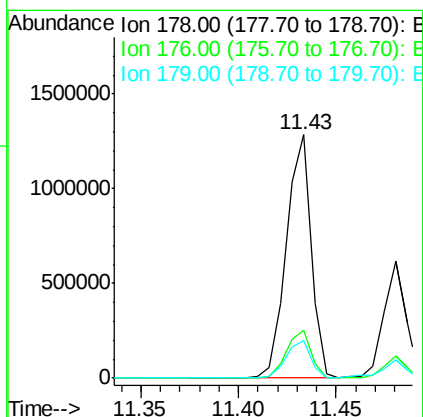
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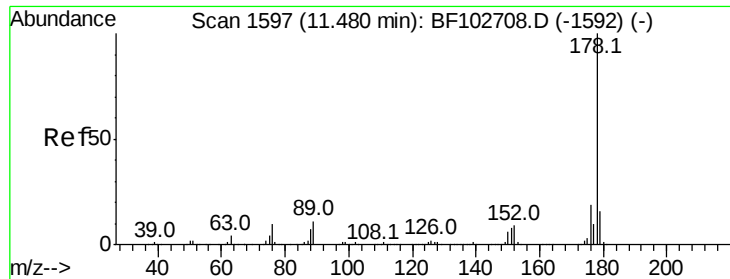
Sohil
2/6/2018 2:25:55 PM



#70
Phenanthrene
Concen: 34.799 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1130553		
176	19.7		15.8	23.8
179	15.4		13.0	19.6





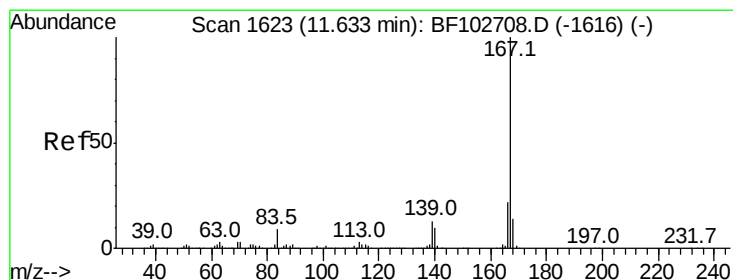
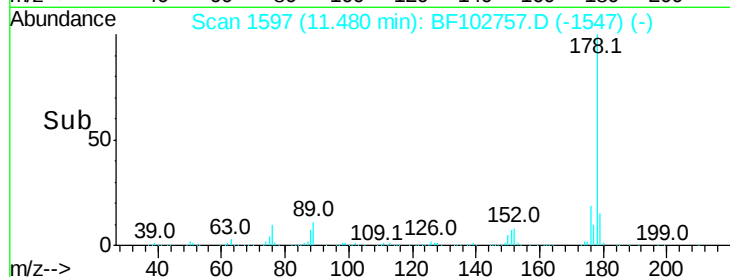
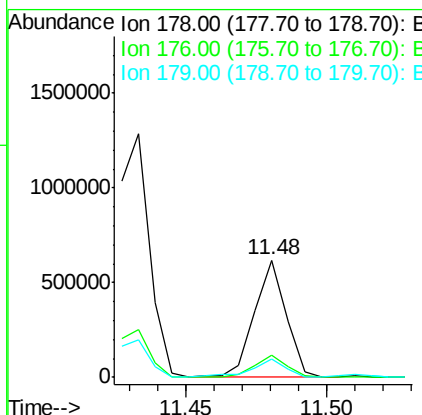
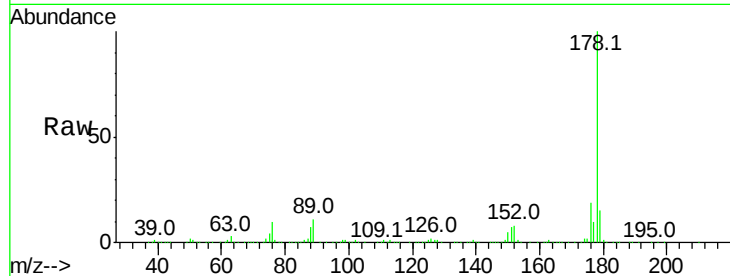
#71
 Anthracene
 Concen: 14.413 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF102757.D
 Acq: 6 Feb 2018 00:50

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB45_N_8

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.5	12.6	19.0

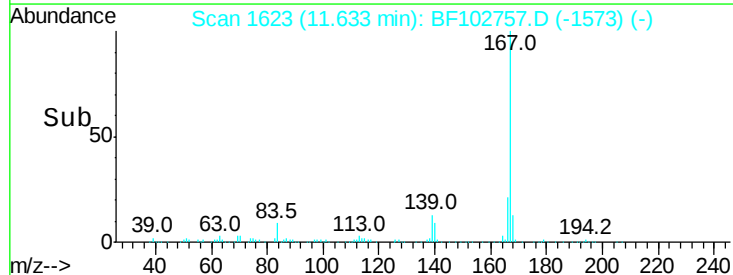
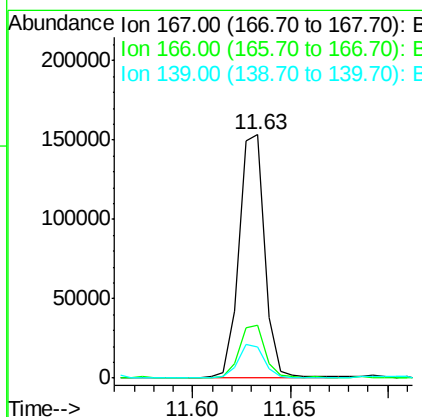
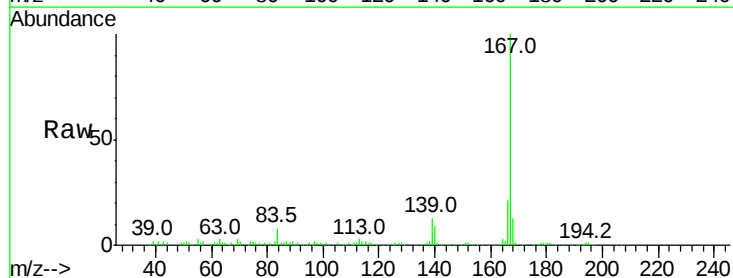
Manual Integrations
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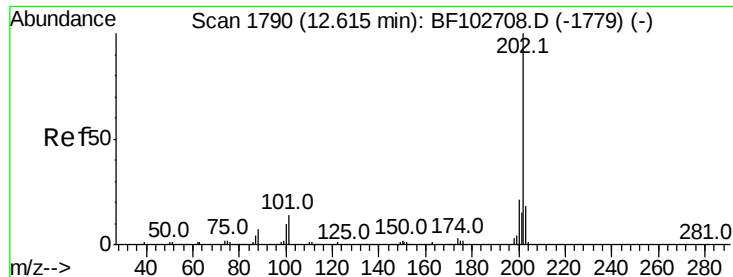
Sohil
 2/6/2018 2:25:55 PM



#72
 Carbazole
 Concen: 4.348 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BF102757.D
 Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	13.0	10.9	16.3





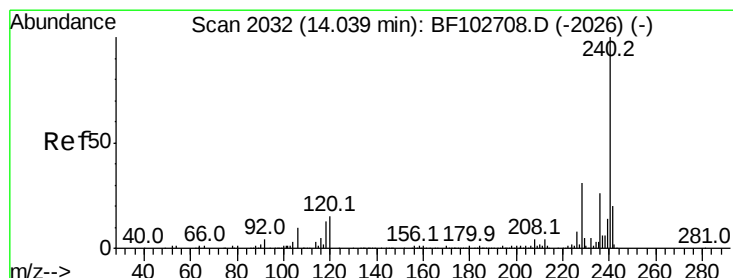
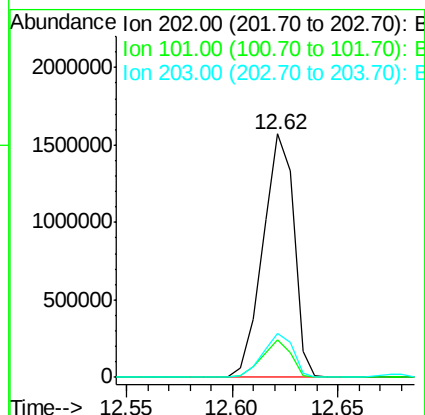
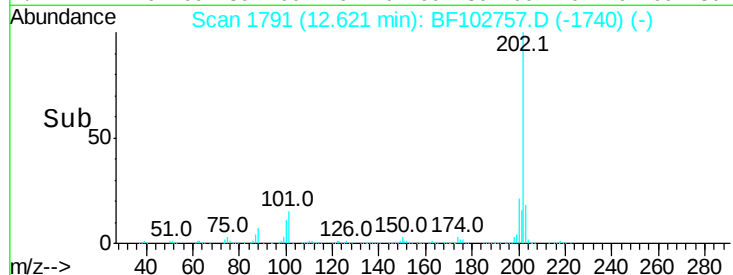
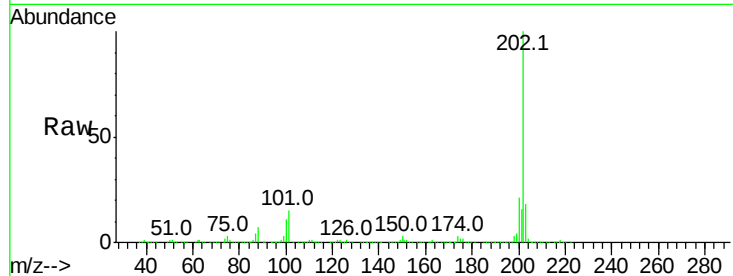
#74
Fluoranthene
Concen: 49.062 ng
RT: 12.62 min Scan# 1791
Delta R.T. 0.00 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.2	0.0	34.1
203	18.1	0.0	38.1

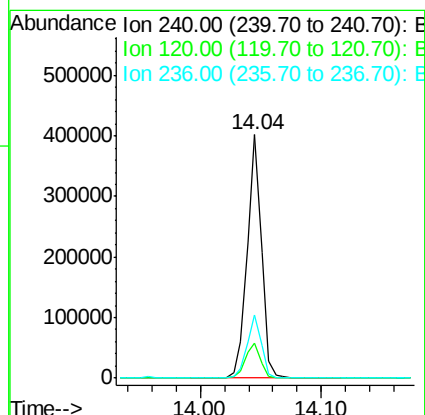
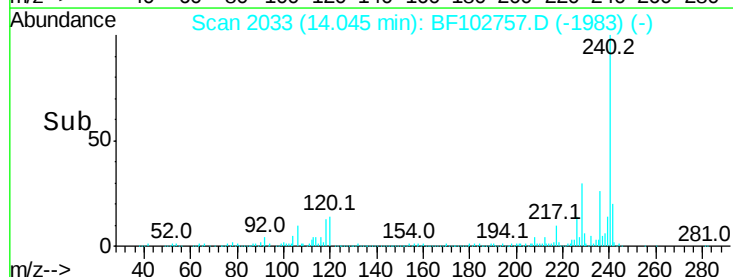
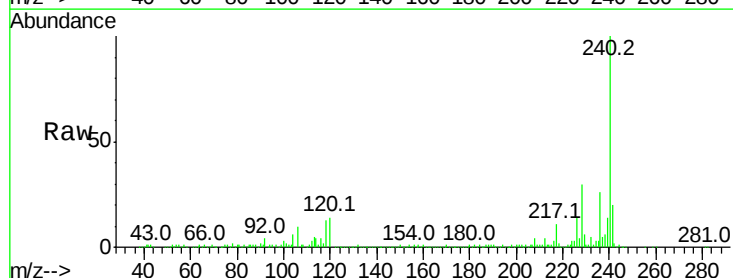
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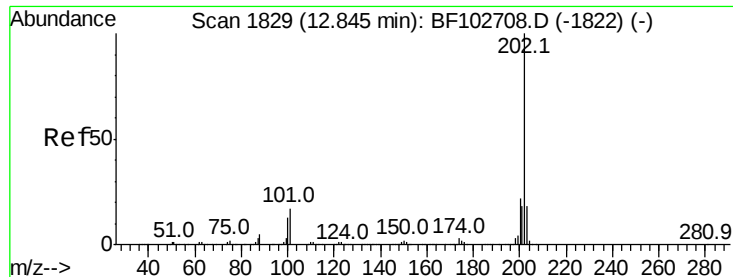
Sohil
2/6/2018 2:25:55 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	26.1	20.7	31.1





#77

Pvrene

Concen: 48.319 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF102757.D

Acq: 6 Feb 2018 00:50

Instrument :

BNA_F

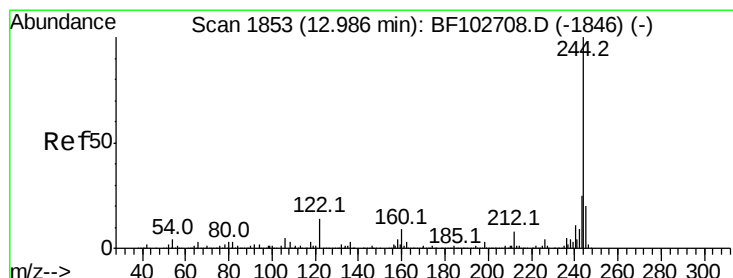
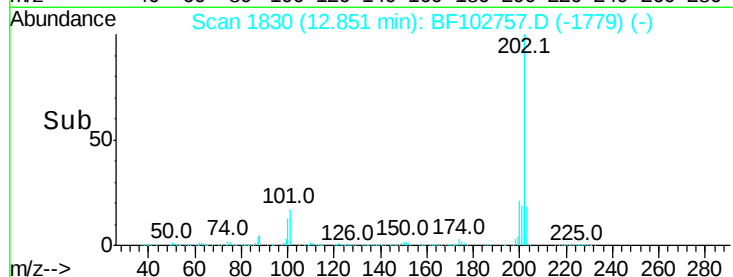
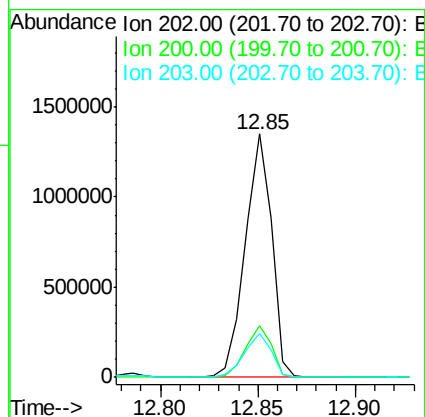
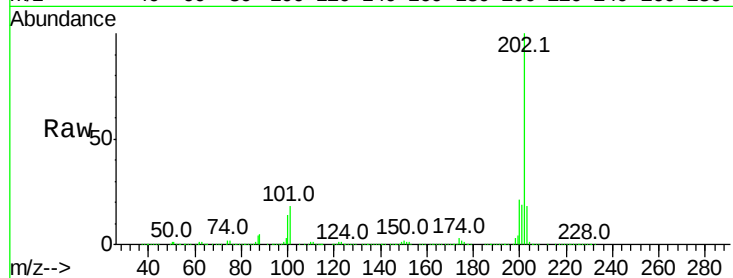
ClientSampleId :

A2_SB45_N_8

Tot Ion:	202	Resp:	1268282
Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 2.859 ng

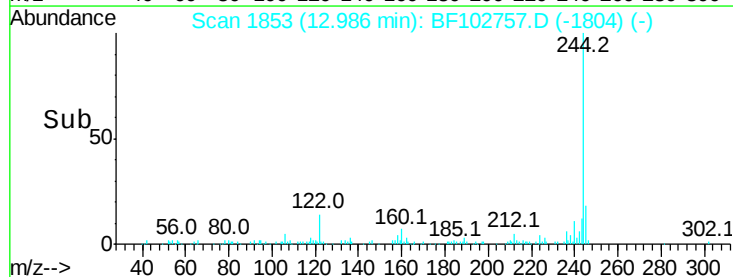
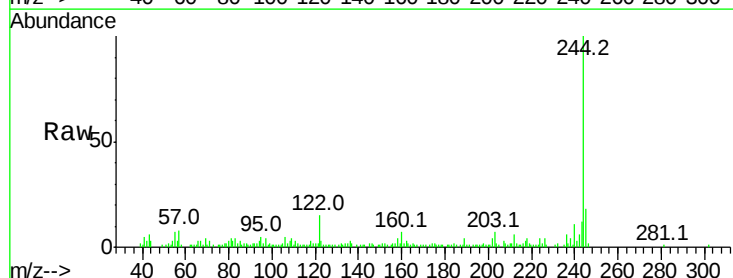
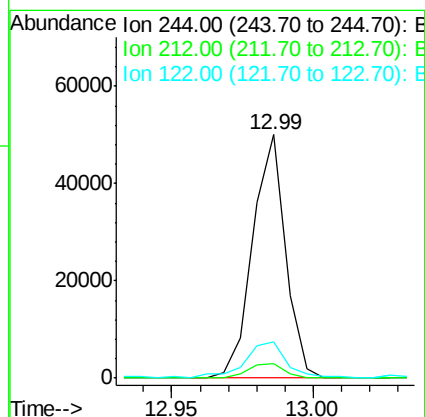
RT: 12.99 min Scan# 1853

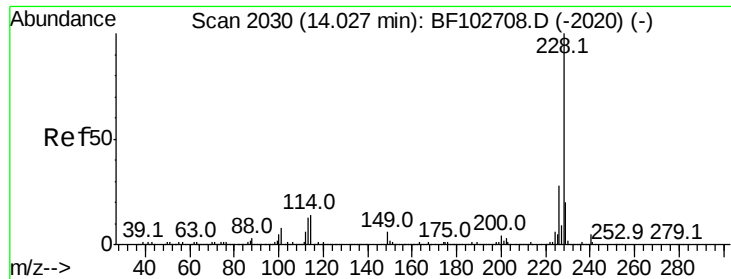
Delta R.T. -0.01 min

Lab File: BF102757.D

Acq: 6 Feb 2018 00:50

Tgt Ion:	244	Resp:	40417
Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	15.1	11.0	16.4





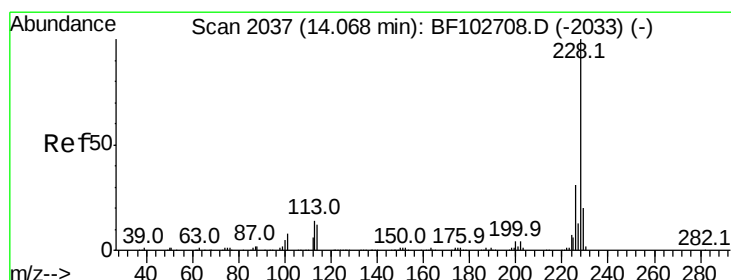
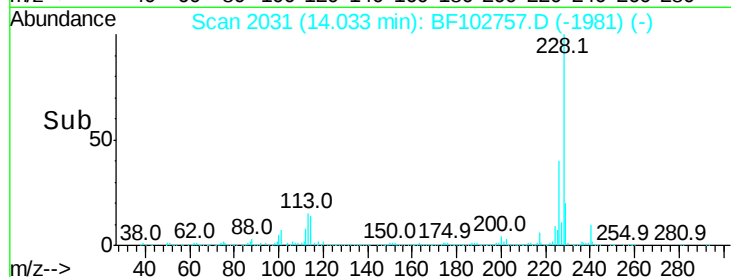
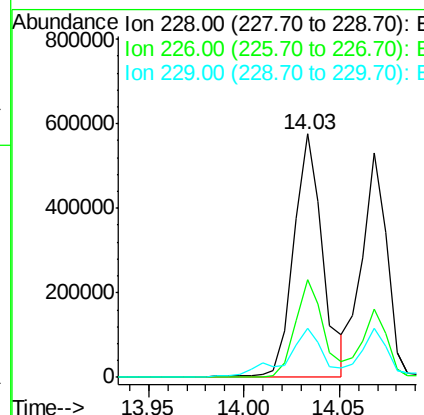
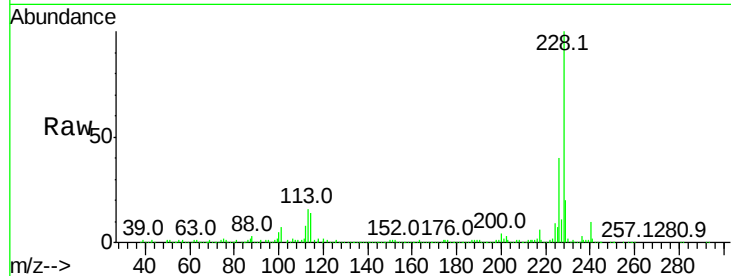
#80
Benzo(a)anthracene
Concen: 28.982 ng m
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.0	22.6	33.8#
229	20.2	15.8	23.6

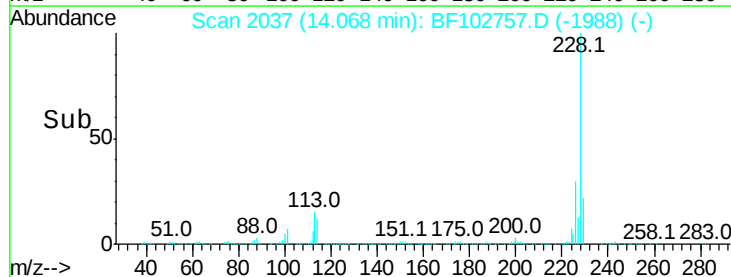
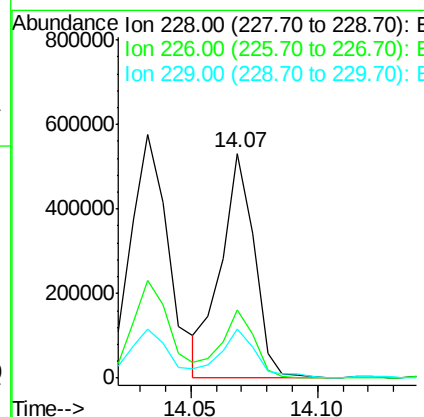
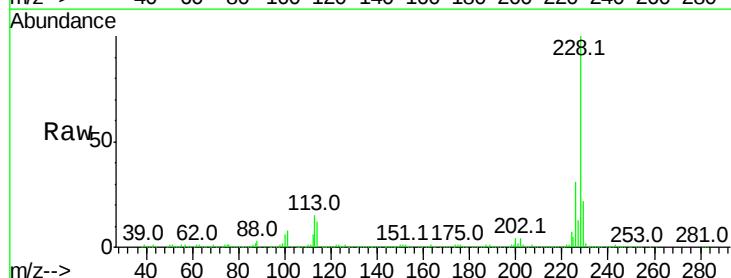
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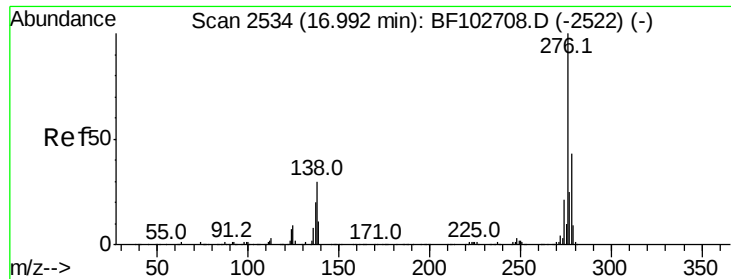
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#82
Chrysene
Concen: 22.683 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.1	16.2	24.4





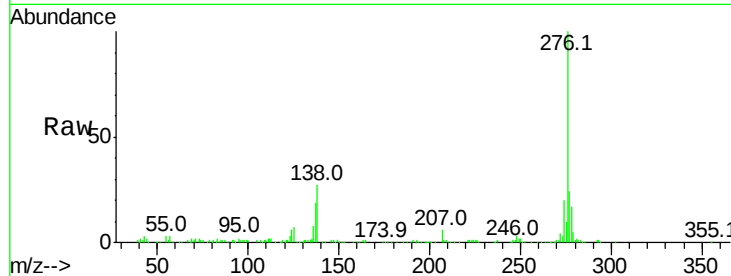
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.526 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

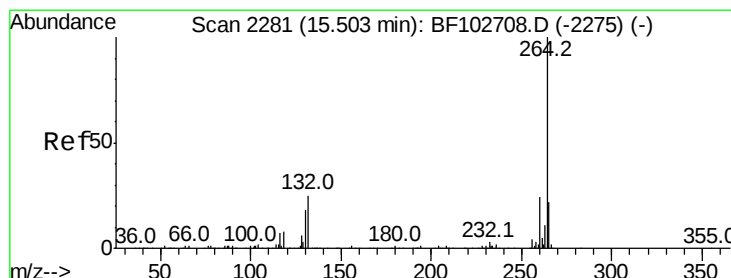
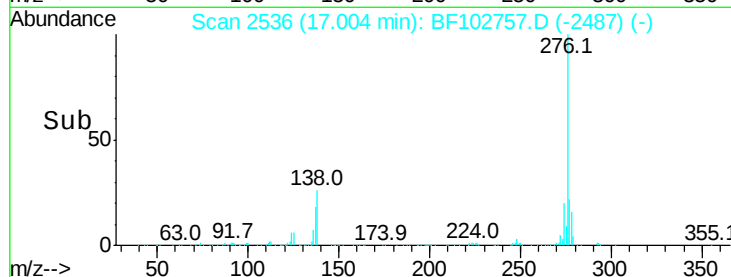
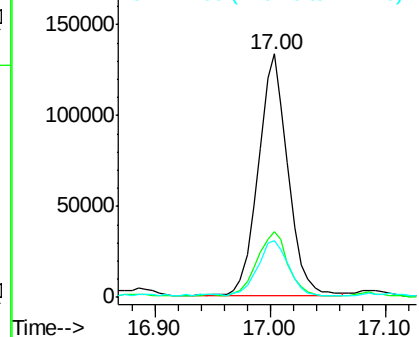
Tot Ion	Ratio	Resp	Lower	Upper
276	100	238053		
138	27.8		25.0	37.6
277	24.5		20.1	30.1

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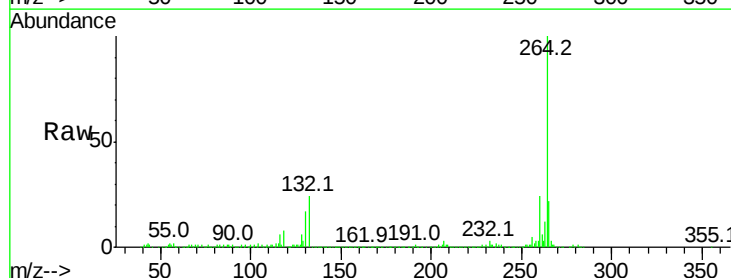


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

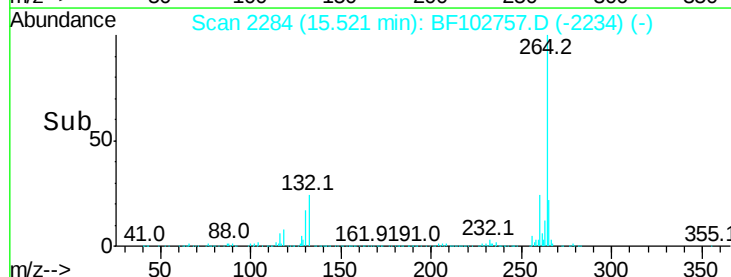
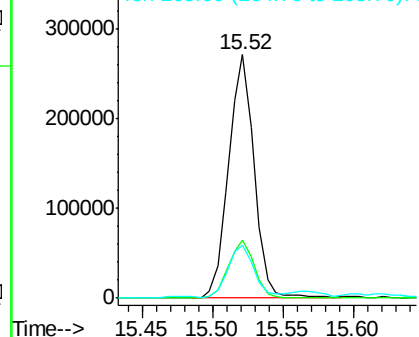


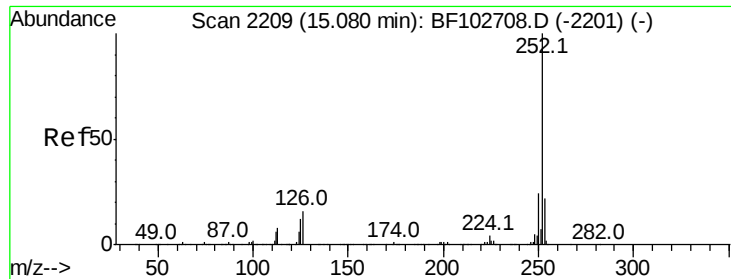
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	339636		
260	23.7		19.2	28.8
265	21.8		17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





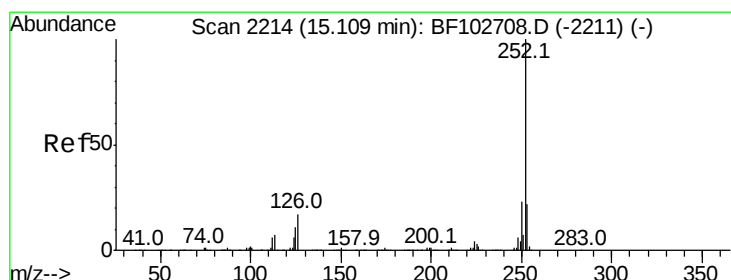
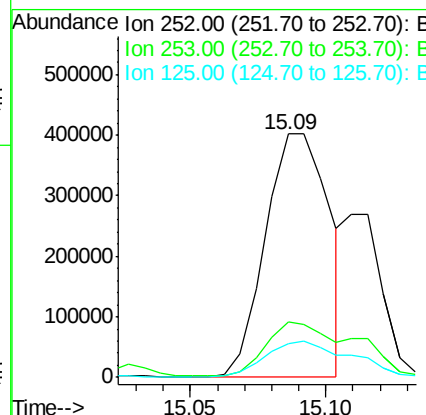
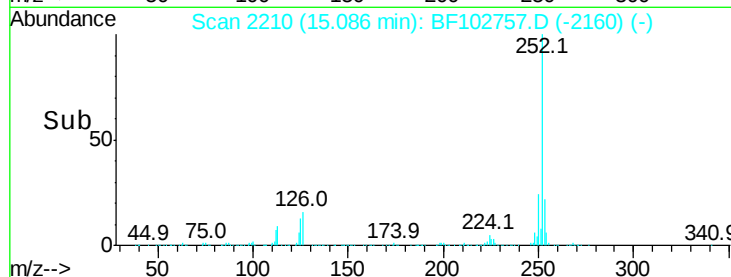
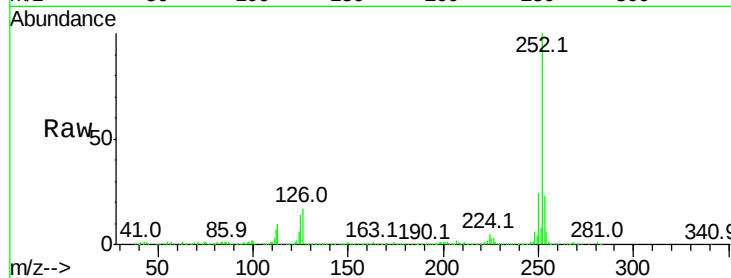
#87
Benzo(b)fluoranthene
Concen: 29.862 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	13.7	9.0	13.6

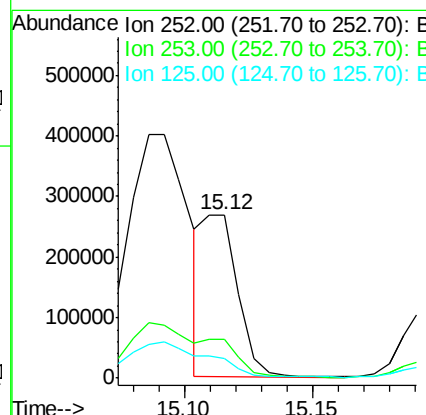
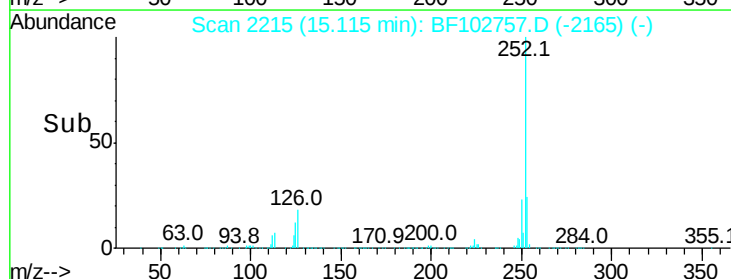
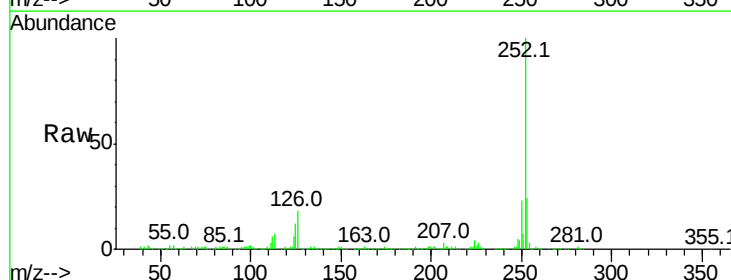
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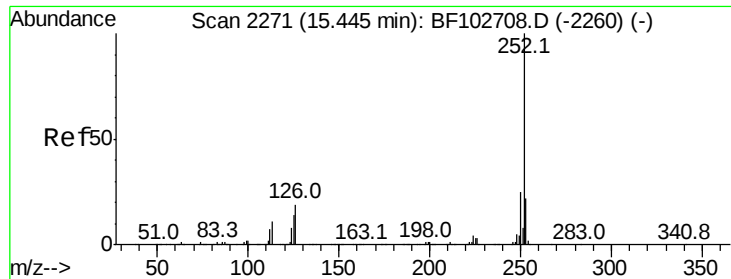
Sohil
2/6/2018 2:25:55 PM



#88
Benzo(k)fluoranthene
Concen: 12.092 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	12.4	10.2	15.2





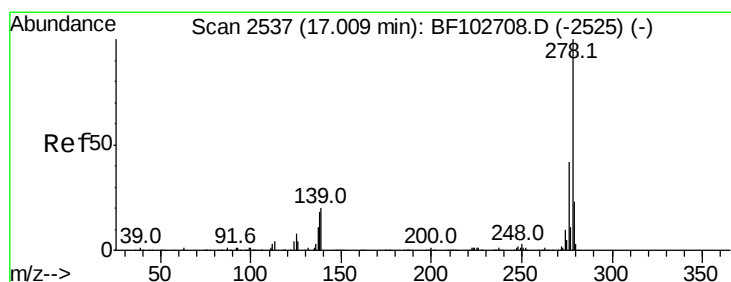
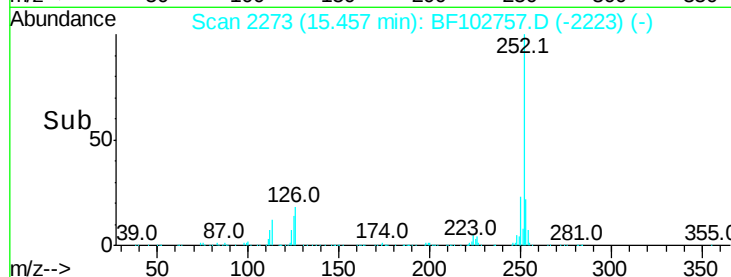
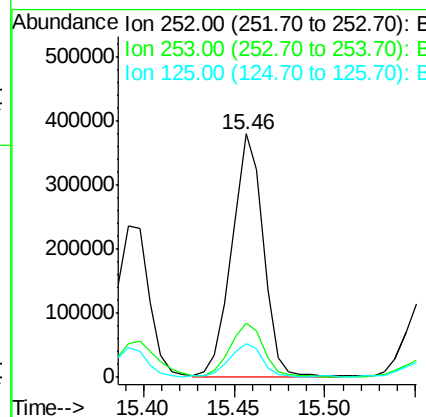
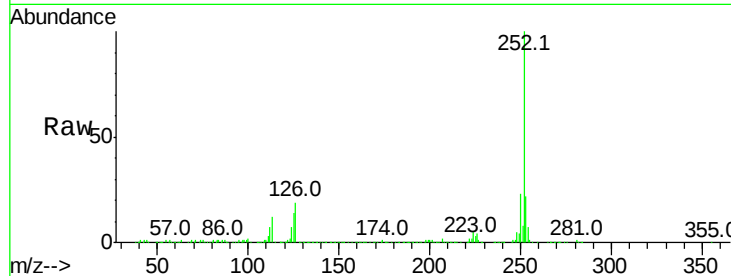
#89
Benzo(a)pyrene
Concen: 23.031 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Instrument :
BNA_F
ClientSampleId :
A2_SB45_N_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	14.0	9.8	14.6

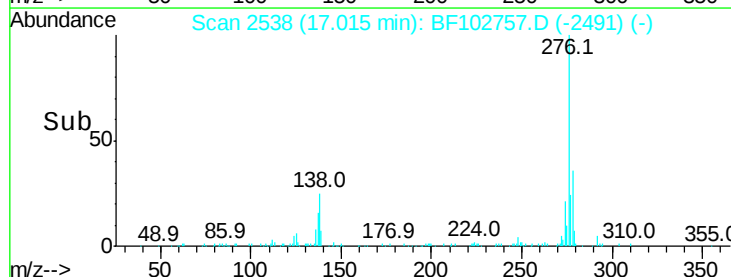
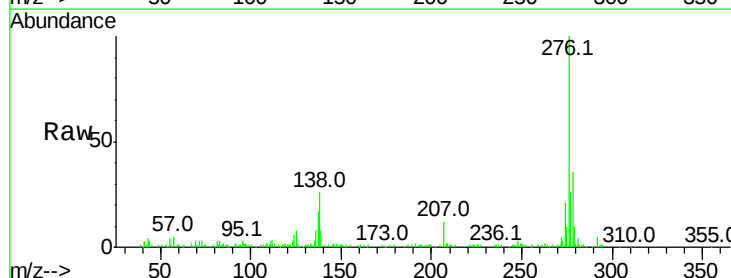
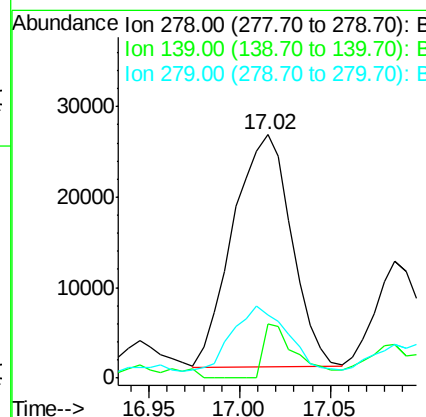
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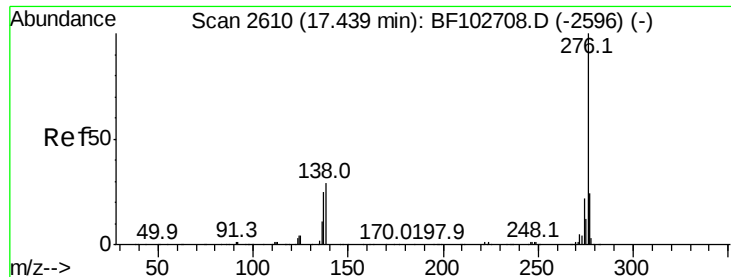
Sohil
2/6/2018 2:25:55 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.564 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF102757.D
Acq: 6 Feb 2018 00:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.3	15.9	23.9
279	26.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 12.621 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. -0.02 min
 Lab File: BF102757.D
 Acq: 6 Feb 2018 00:50

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB45_N_8

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	26.4	21.8	32.8

Manual Integrations
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 2/6/2018 2:25:55 PM

