

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
 Data File : BF101114.D
 Acq On : 5 Dec 2017 10:40
 Operator : SJ/JU
 Sample : I6696-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-A

Manual Integrations
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 12/6/2017 5:12:11 PM

Quant Time: Dec 05 13:00:19 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	52728	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	200193	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	99100	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	158694	20.00	ng	0.01
75) Chrysene-d12	14.05	240	97246	20.00	ng	0.02
86) Perylene-d12	15.52	264	114800	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	350115	109.72	ng	0.01
7) Phenol-d6	6.49	99	417420	107.75	ng	0.00
23) Nitrobenzene-d5	7.42	82	256625	76.47	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	110887	93.15	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	509857	70.39	ng	0.00
78) Terphenyl-d14	12.97	244	439075	98.76	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	13572	3.151	ng	94
31) Naphthalene	8.15	128	218753	22.171	ng	99
37) 2-Methylnaphthalene	8.85	142	62003	9.248	ng	99
45) 1,1'-Biphenyl	9.31	154	588401	64.805	ng	98
48) Acenaphthylene	9.76	152	447091	42.191	ng	# 95
49) Dimethylphthalate	9.60	163	57531	7.198	ng	96
51) Acenaphthene	9.95	154	1365403	215.184	ng	99
54) Dibenzofuran	10.10	168	86469	9.456	ng	# 88
57) Fluorene	10.46	166	1125206	151.372	ng	99
70) Phenanthrene	11.45	178	5108168	584.512	ng	99
71) Anthracene	11.49	178	1589945m	179.760	ng	
74) Fluoranthene	12.63	202	2313185	238.786	ng	98
77) Pvrene	12.87	202	3117983	464.658	ng	99
80) Benzo(a)anthracene	14.03	228	1175422m	191.438	ng	
82) Chrysene	14.07	228	778728	136.564	ng	97
85) Indeno(1,2,3-cd)pyrene	17.02	276	358850	70.785	ng	# 88
87) Benzo(b)fluoranthene	15.09	252	650711m	94.632	ng	
88) Benzo(k)fluoranthene	15.11	252	258937m	38.222	ng	
89) Benzo(a)pvrene	15.47	252	842014	134.693	ng	98
90) Dibenzo(a,h)anthracene	17.01	278	103397	18.761	ng	# 79
91) Benzo(g,h,i)perylene	17.47	276	433932m	83.548	ng	

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

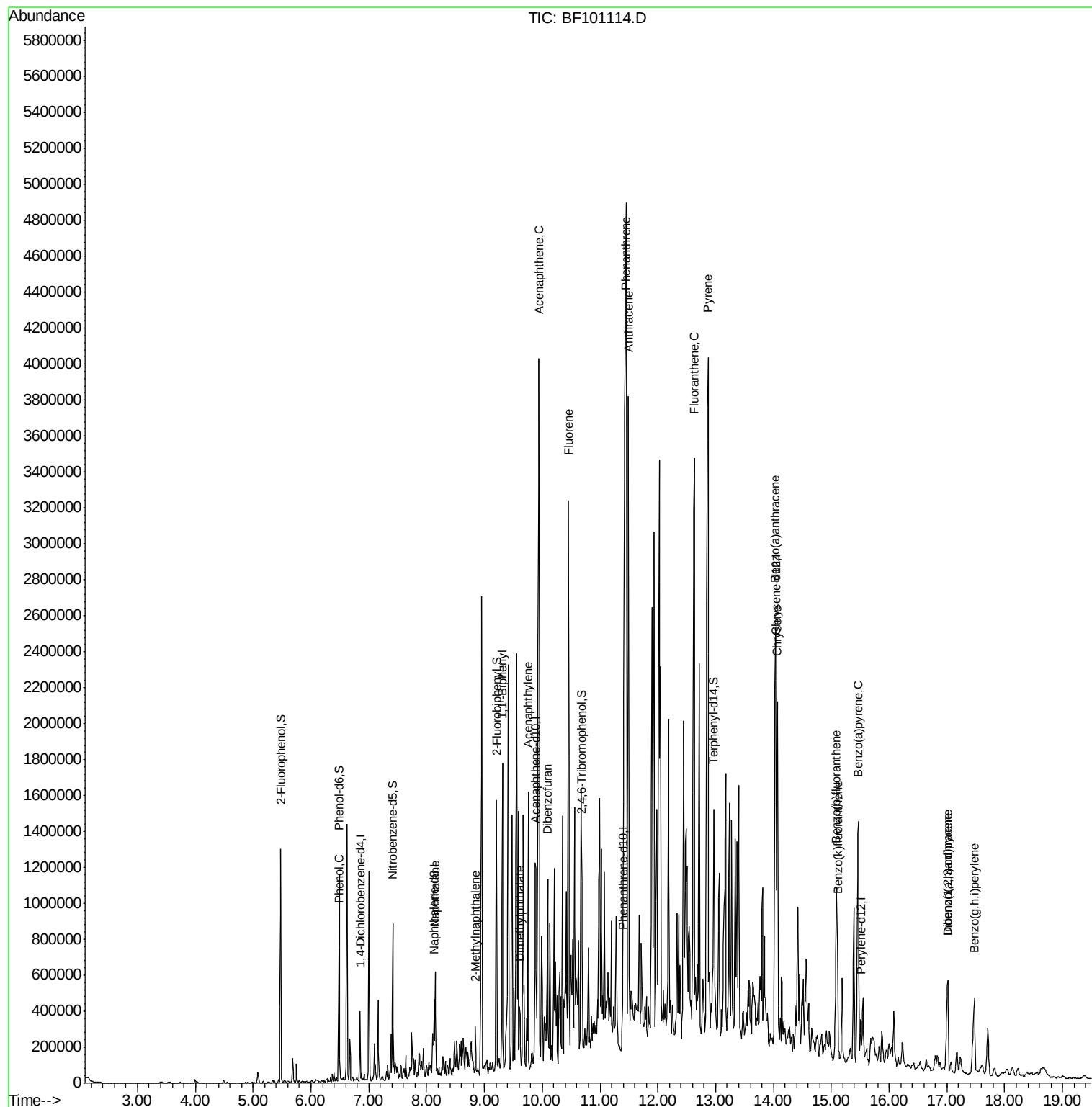
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120517\
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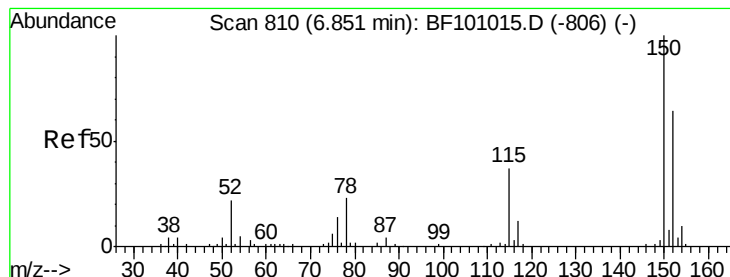
Instrument :
BNA_F
ClientSampleId :
CS-TP102-A

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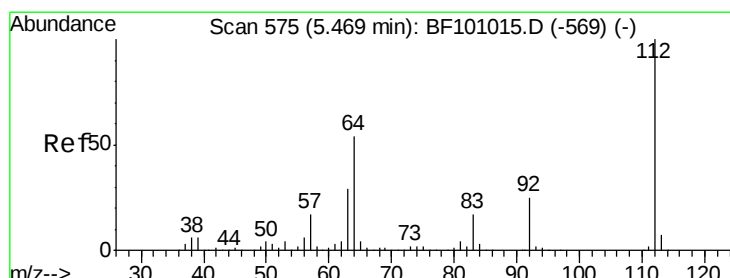
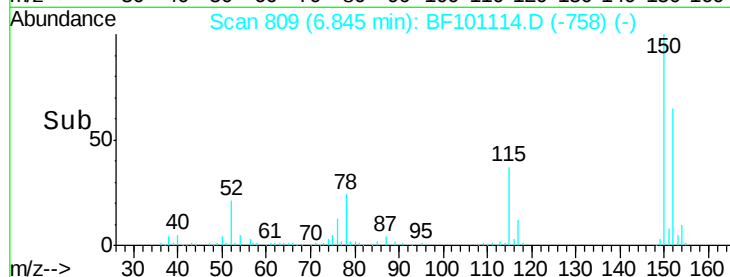
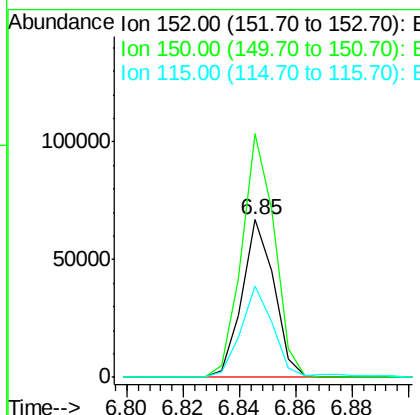
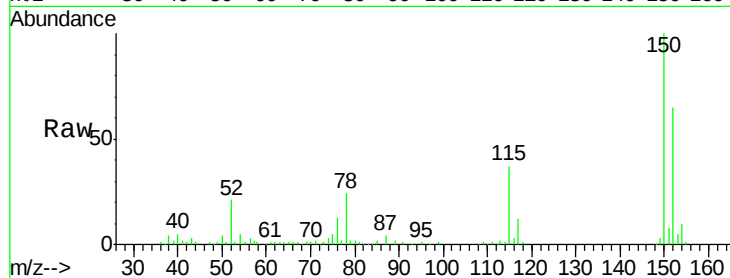
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.6	186.8
115	57.8	50.1	75.1

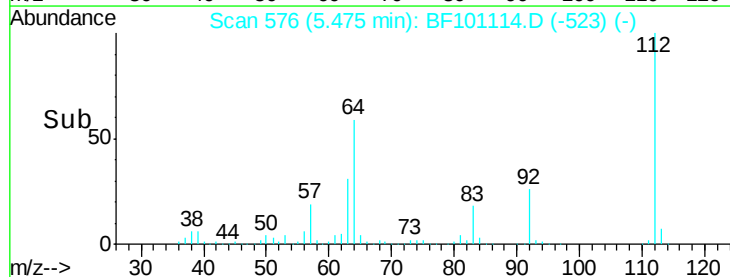
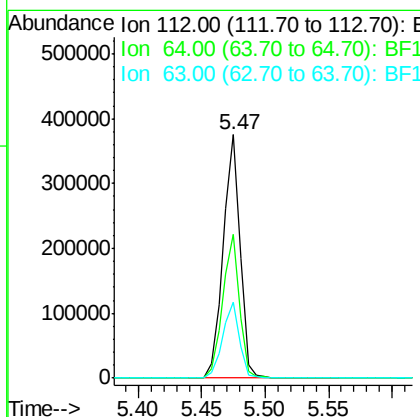
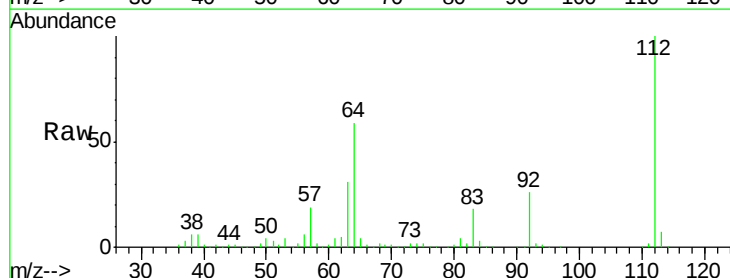
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#5
 2-Fluorophenol
 Concen: 109.723 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 107.747 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

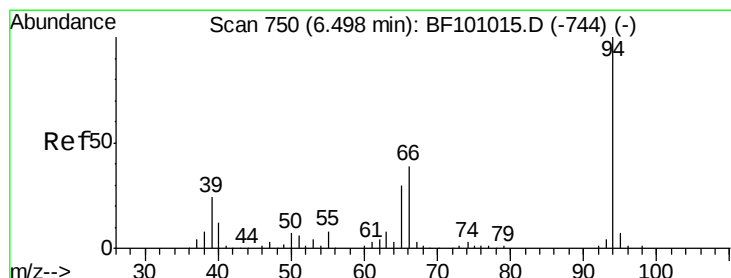
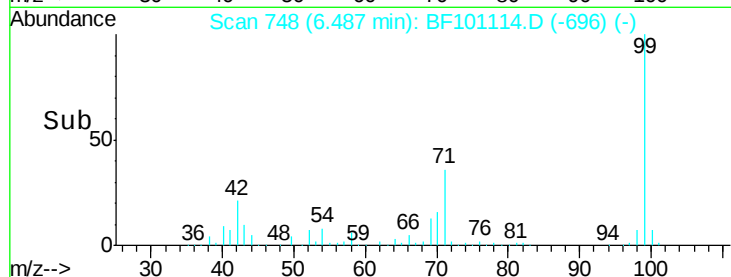
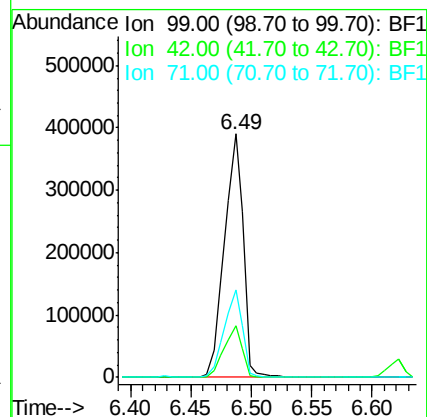
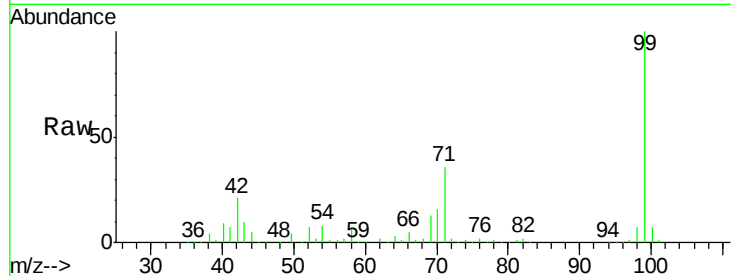
ClientSampleId :

CS-TP102-A

Tot Ion:	99	Resp:	417420
Ion Ratio	Lower	Upper	
99	100		
42	21.3	14.5	21.7
71	36.0	25.4	38.0

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#10

Phenol

Concen: 3.151 ng

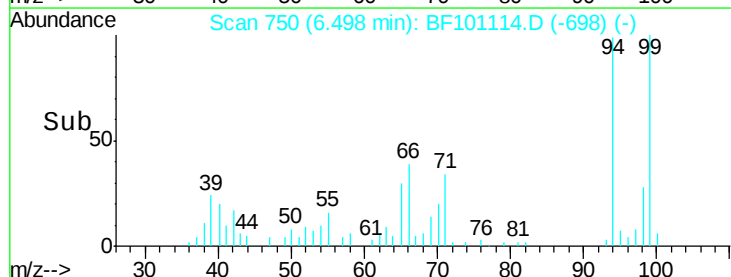
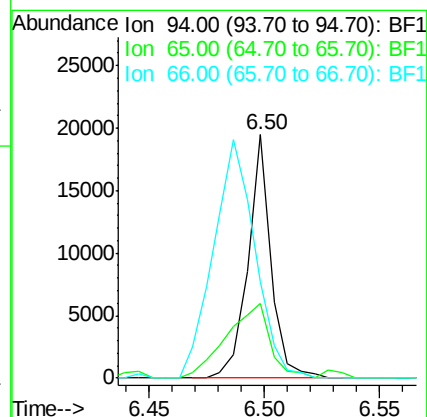
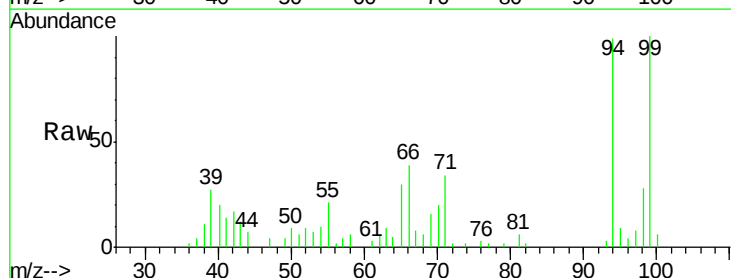
RT: 6.50 min Scan# 750

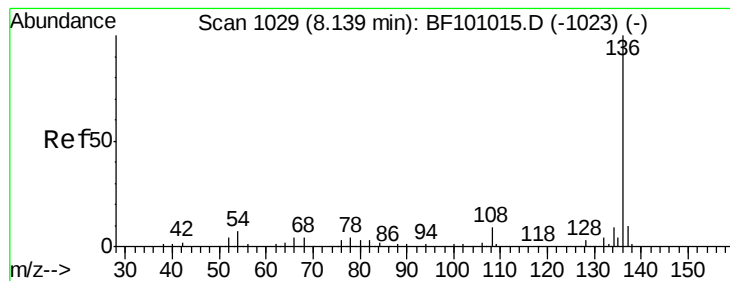
Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Tgt Ion:	94	Resp:	13572
Ion Ratio	Lower	Upper	
94	100		
65	30.5	7.9	47.9
66	39.8	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

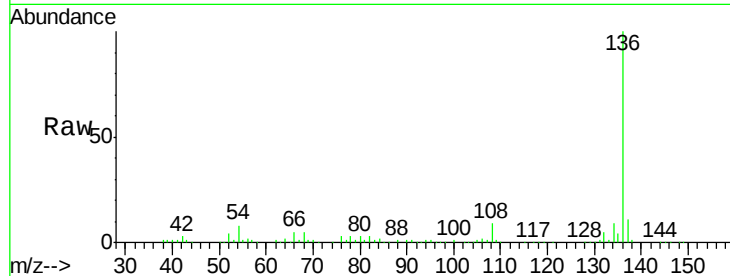
ClientSampleId :

CS-TP102-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		200193		
137	10.7		8.9	13.3	
54	7.9		6.6	9.8	
68	5.4		5.0	7.4	

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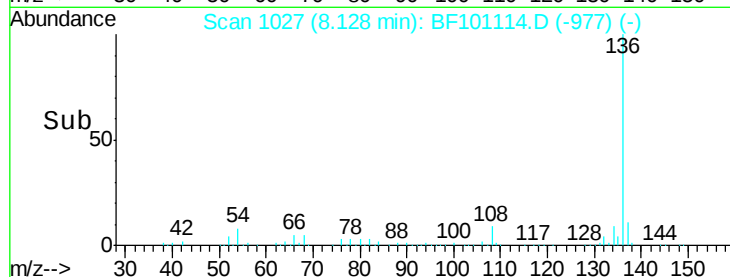
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

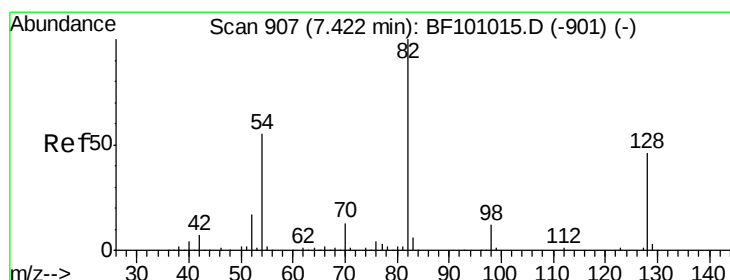
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 76.469 ng

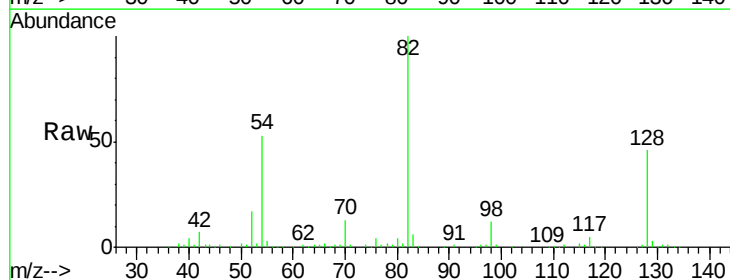
RT: 7.42 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		256625		
128	45.8		36.1	54.1	
54	53.2		41.4	62.2	

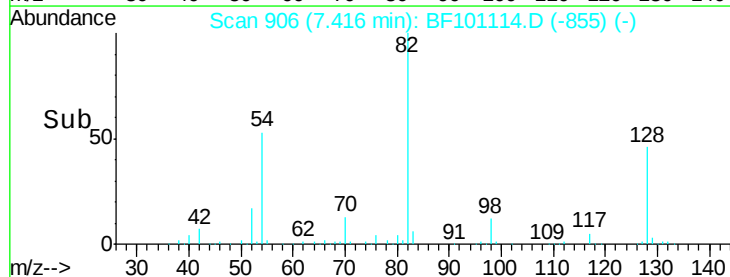


Abundance Ion 82.00 (81.70 to 82.70): BF1

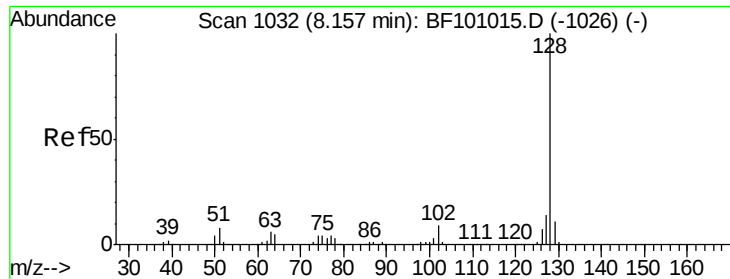
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

Time-->



Time-->



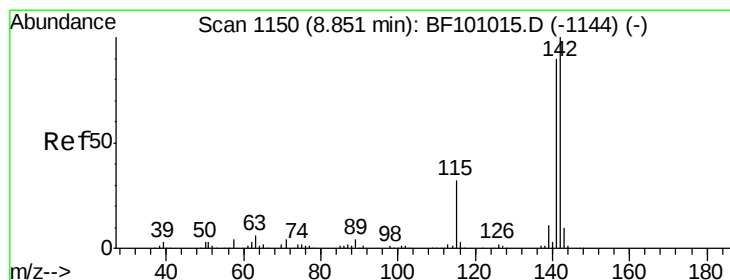
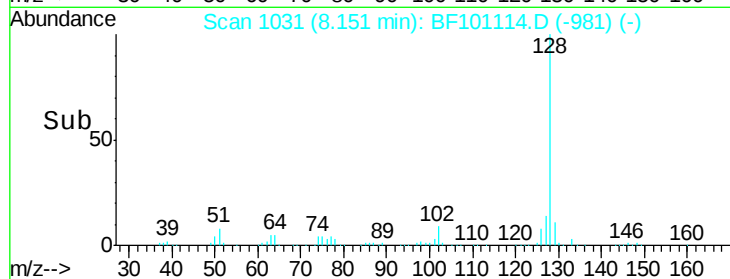
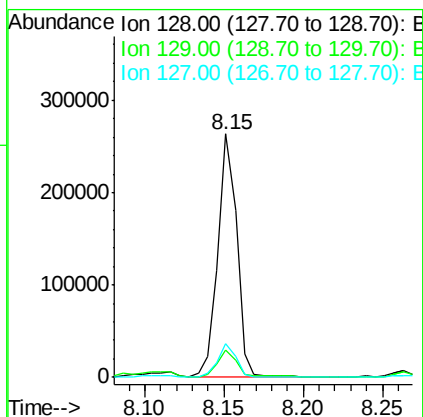
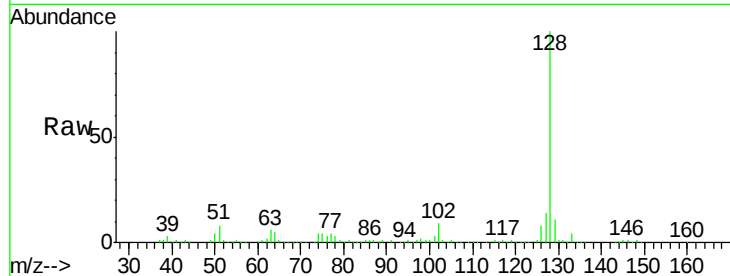
#31
Naphthalene
Concen: 22.171 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :
CS-TP102-A

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.8	10.9	16.3

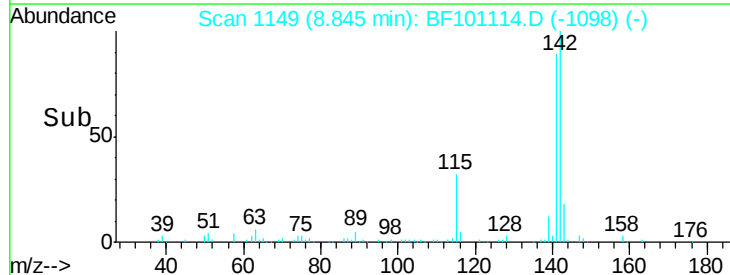
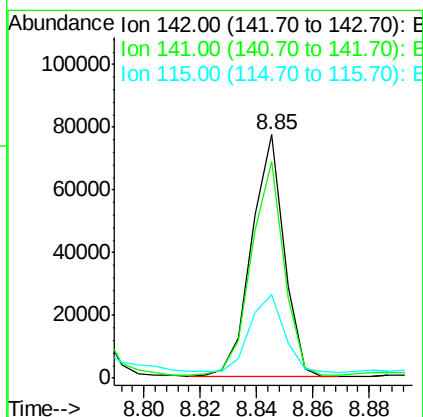
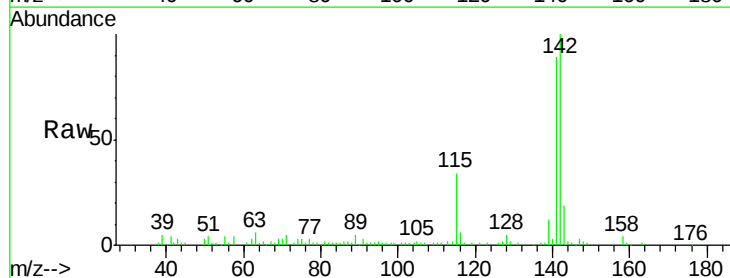
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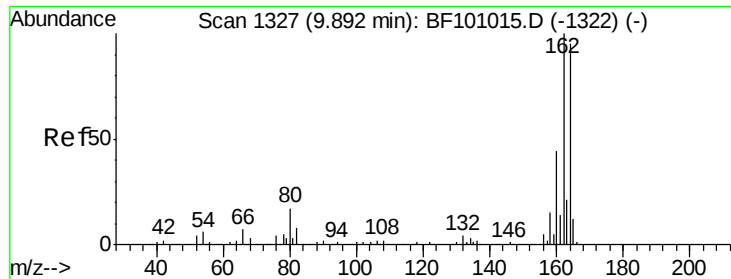
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#37
2-Methylnaphthalene
Concen: 9.248 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.8	106.2
115	34.1	26.1	39.1





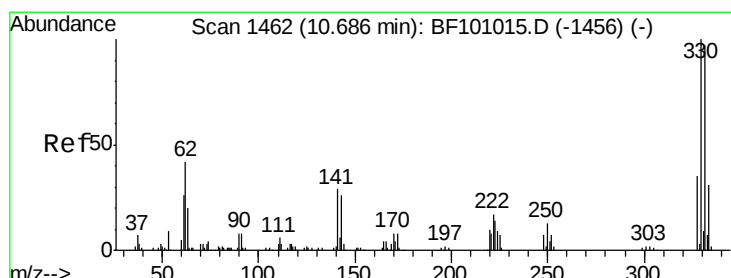
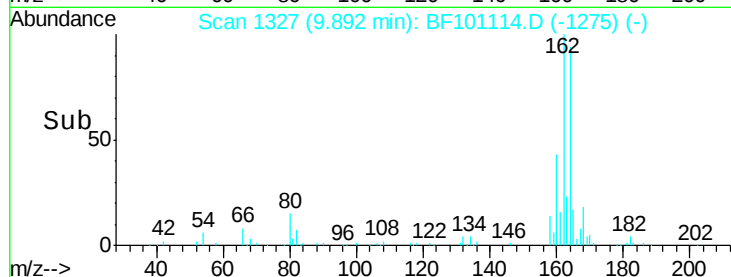
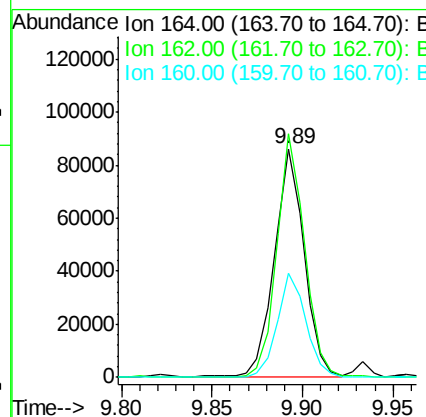
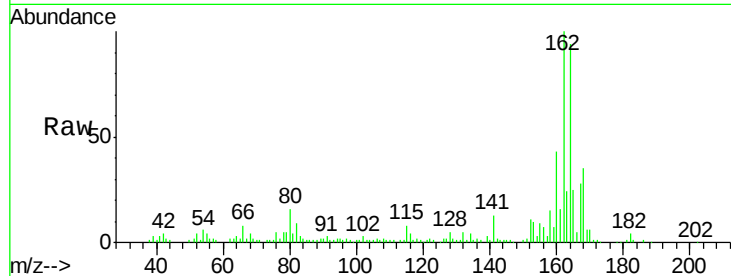
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	45.6	38.3	57.5

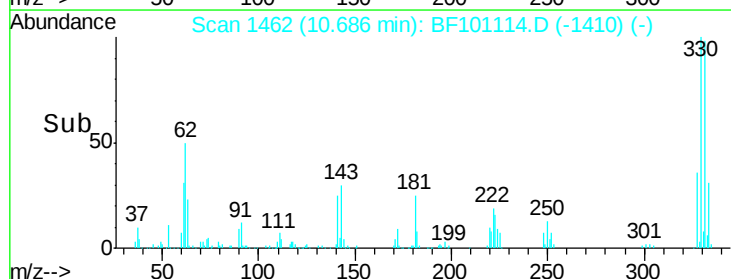
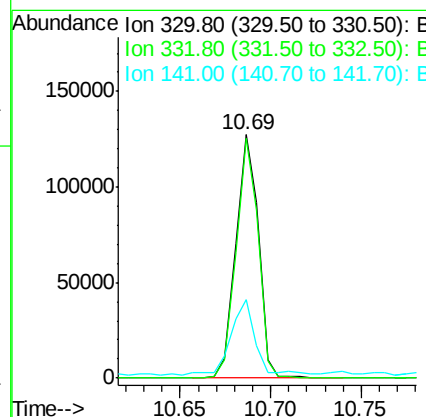
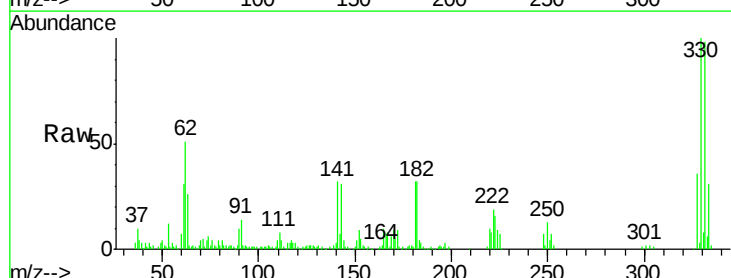
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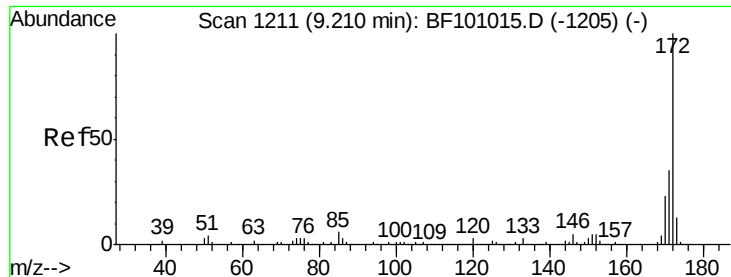
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#41
 2,4,6-Tribromophenol
 Concen: 93.145 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	31.9	29.9	44.9





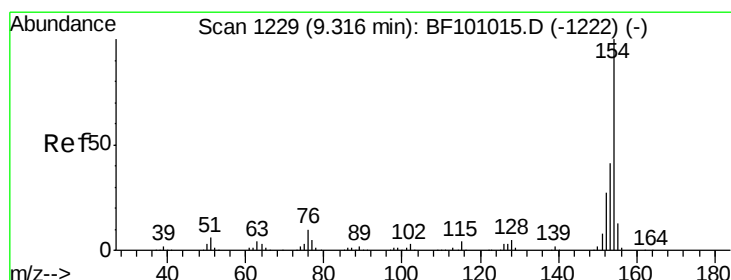
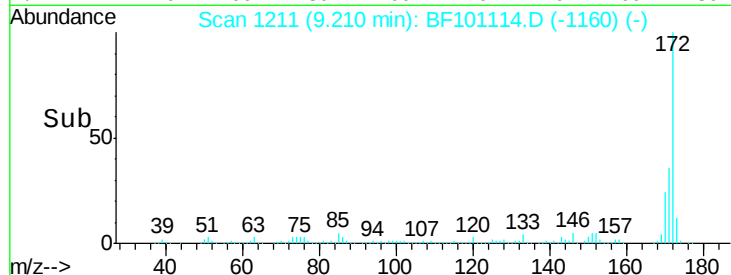
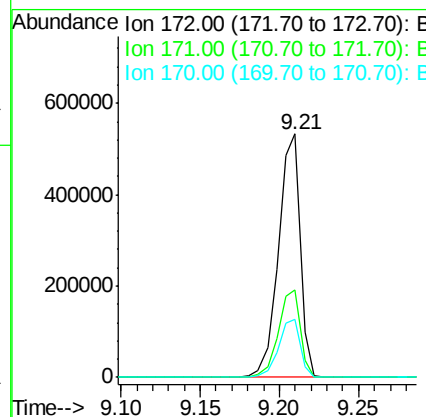
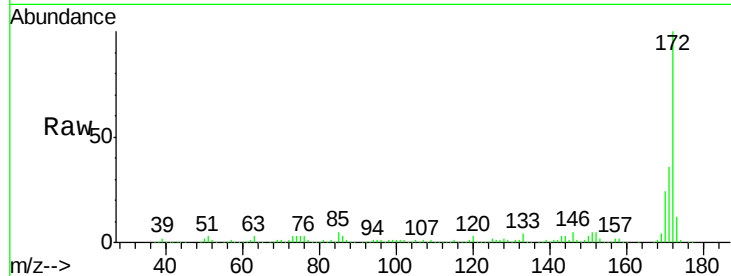
#44
2-Fluorobiphenyl
Concen: 70.392 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
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CS-TP102-A

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	23.9	19.6	29.4	

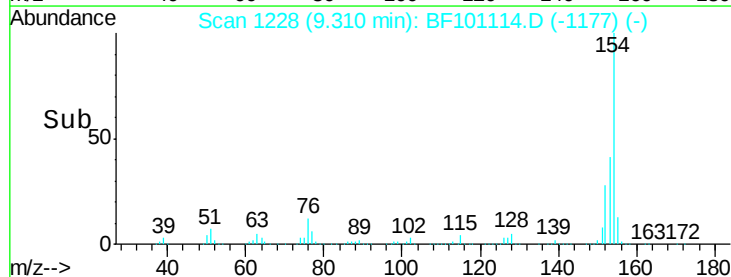
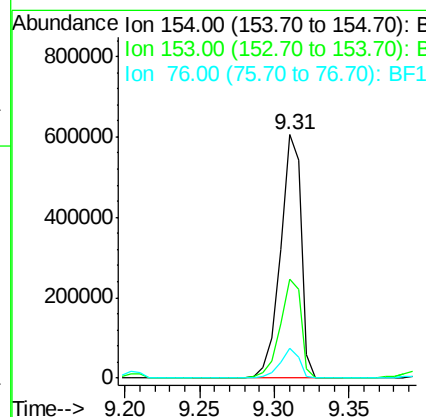
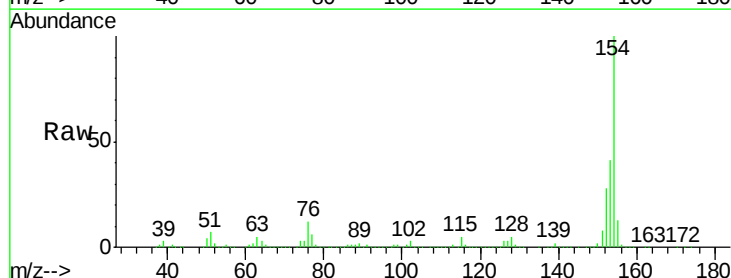
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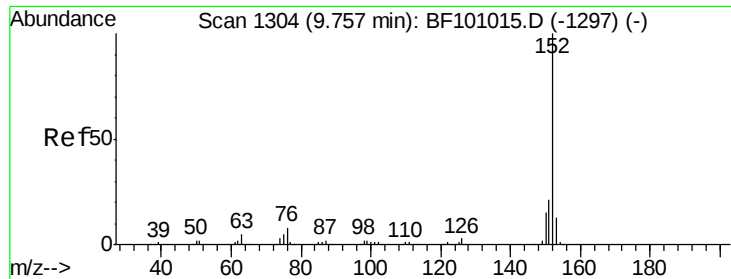
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#45
1,1'-Biphenyl
Concen: 64.805 ng
RT: 9.31 min Scan# 1228
Delta R.T. 0.00 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.7	21.3	61.3	
76	12.3	0.0	34.0	





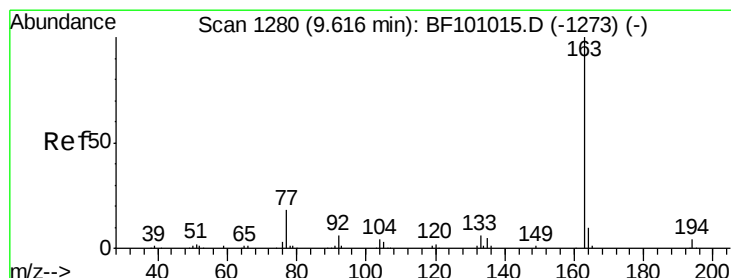
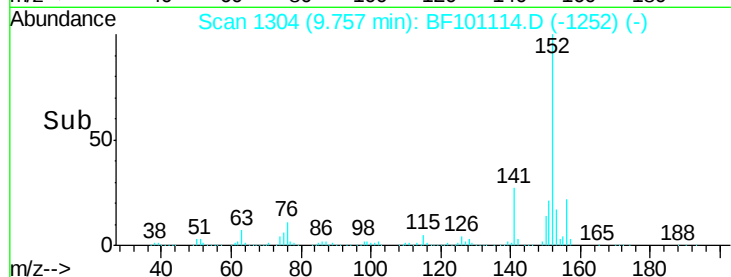
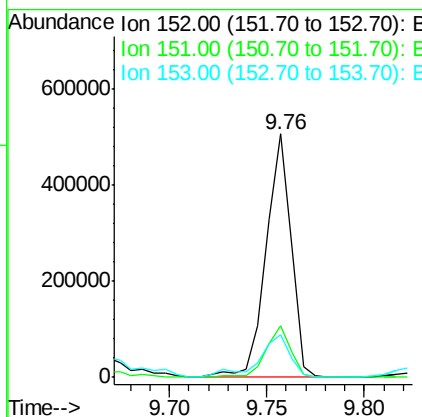
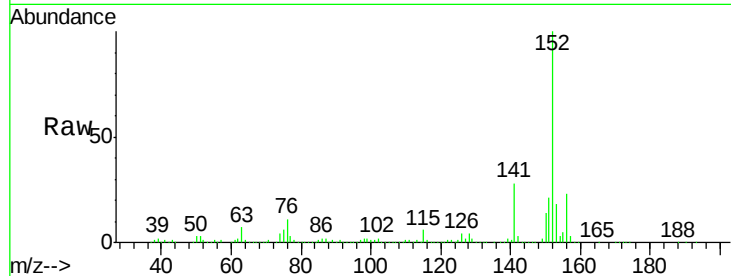
#48
Acenaphthylene
Concen: 42.191 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :
CS-TP102-A

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	17.6	10.7	16.1

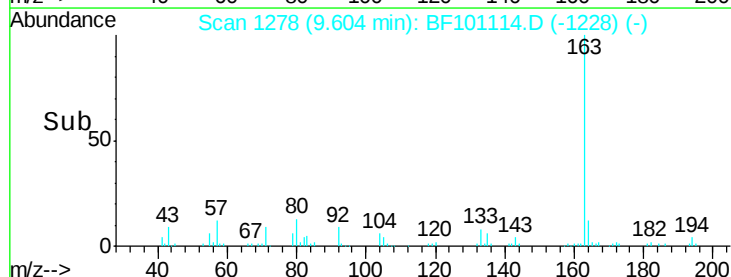
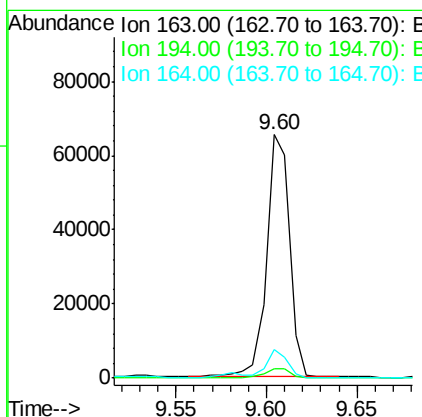
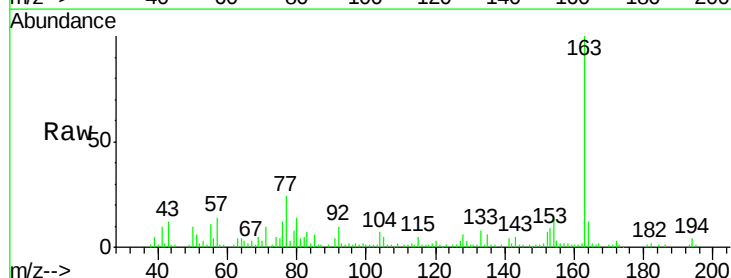
Manual Integrations
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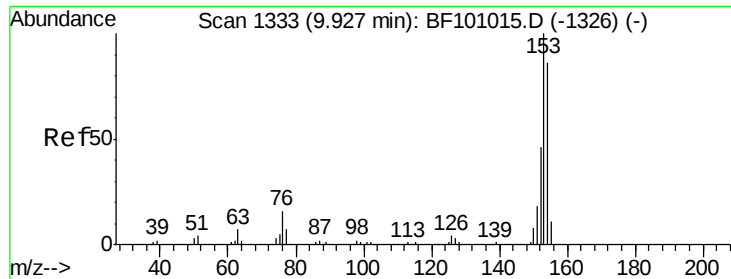
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12/6/2017 5:12:11 PM



#49
Dimethylphthalate
Concen: 7.198 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	11.8	8.2	12.2





#51

Acenaphthene

Concen: 215.184 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.02 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampled :

CS-TP102-A

Tot Ion:154 Resp: 1365403

Ion Ratio Lower Upper

154 100

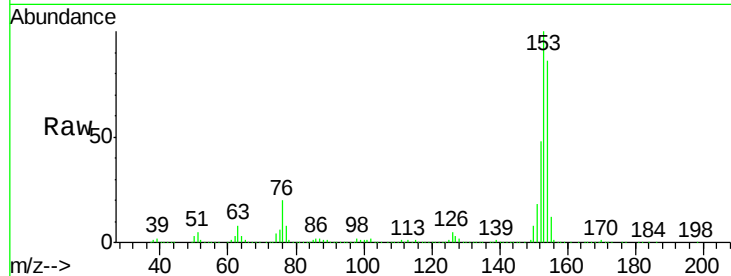
153 115.6 91.2 136.8

152 55.1 43.8 65.8

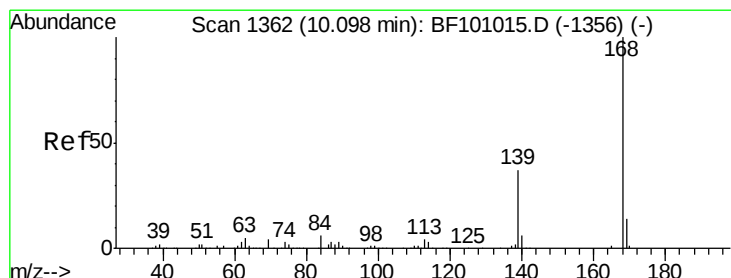
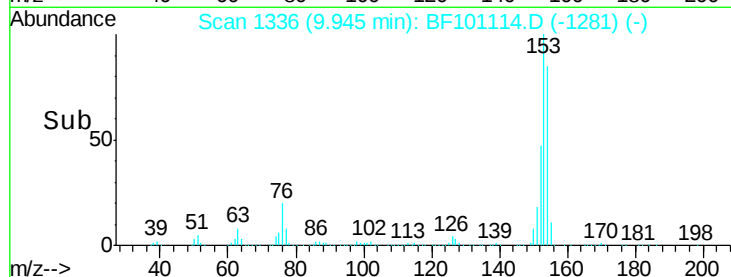
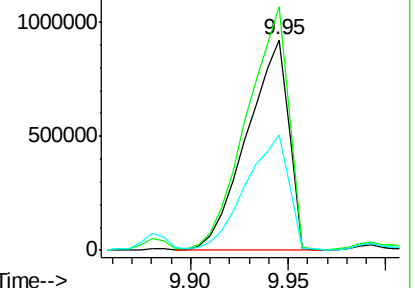
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 9.456 ng

RT: 10.10 min Scan# 1362

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

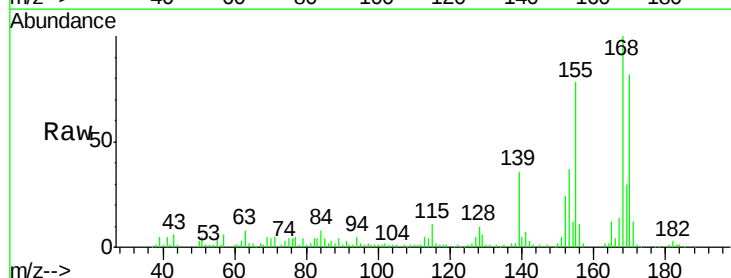
Tgt Ion:168 Resp: 86469

Ion Ratio Lower Upper

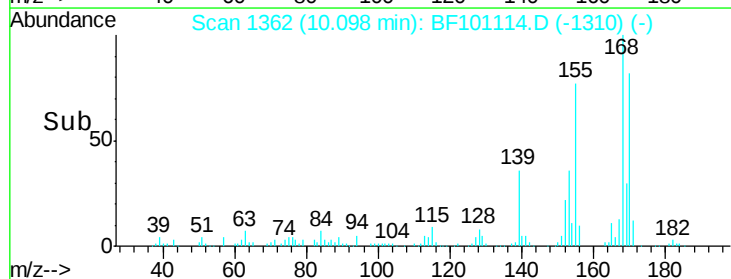
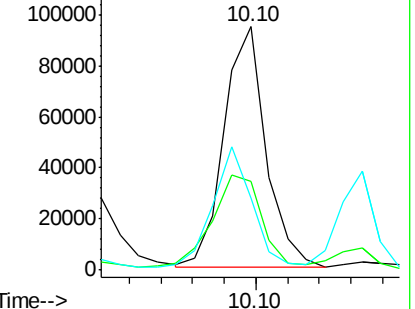
168 100

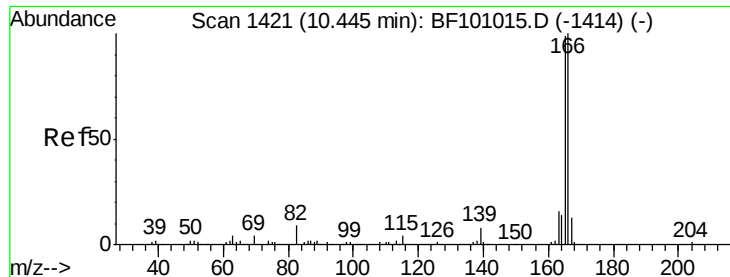
139 36.2 30.1 45.1

169 29.7 10.9 16.3#



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: 151.372 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.02 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

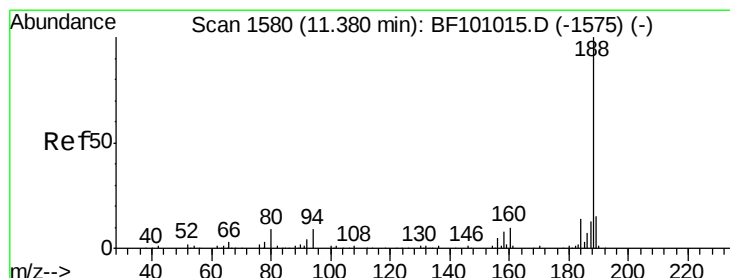
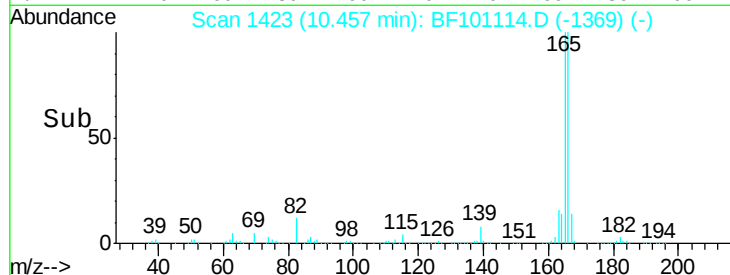
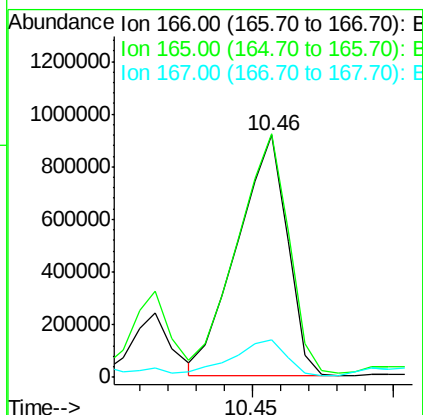
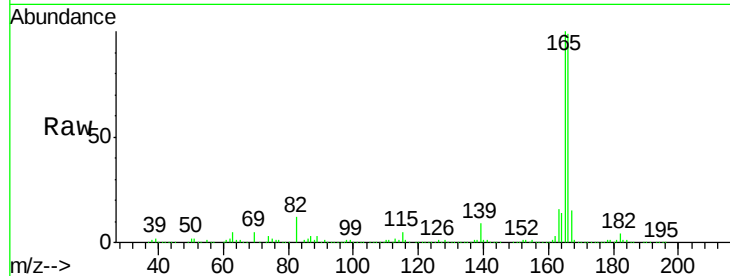
Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-A

Tot Ion:166 Resp: 1125206

Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.8	119.8
167	15.6	10.6	16.0

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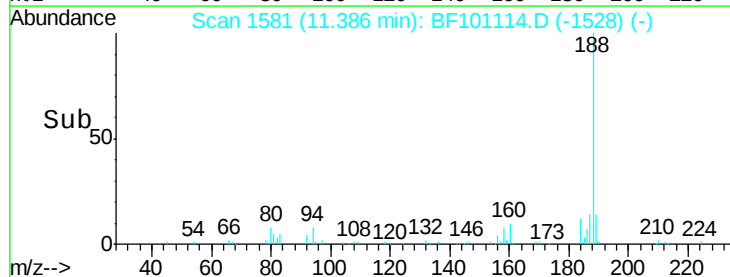
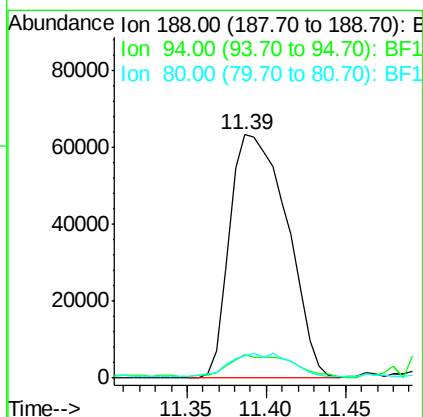
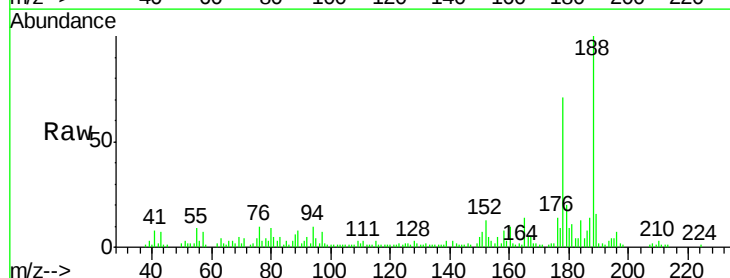
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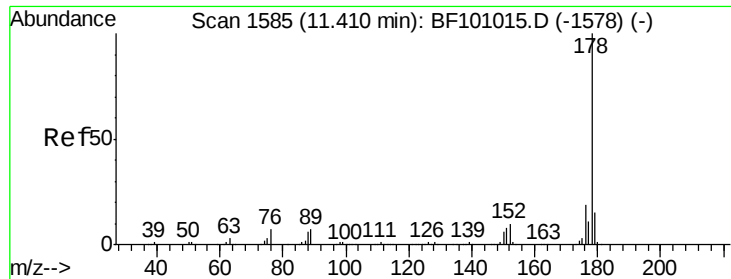


#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

Tgt Ion:188 Resp: 158694

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	9.2	9.2	13.8





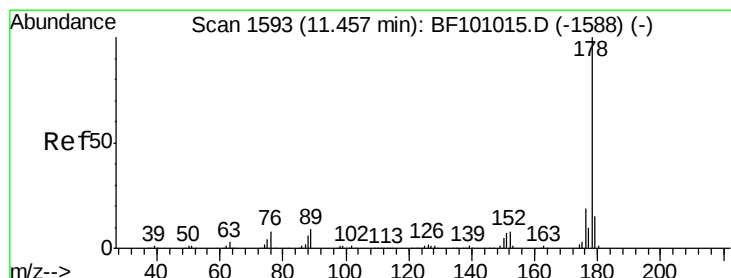
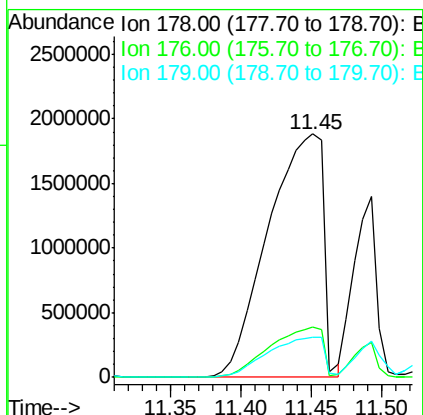
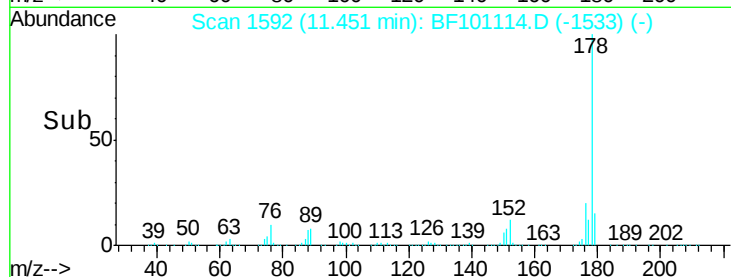
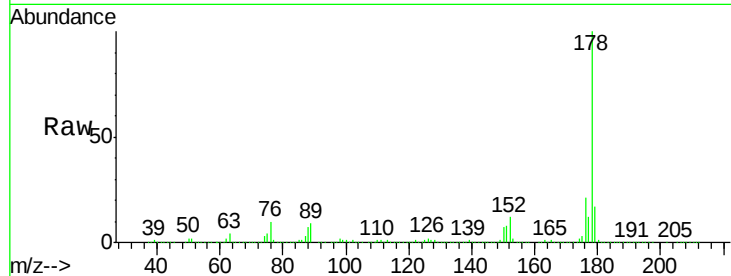
#70
Phenanthrene
Concen: 584.512 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.05 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :
CS-TP102-A

Tot Ion:178 Resp: 5108168
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 16.6 13.0 19.6

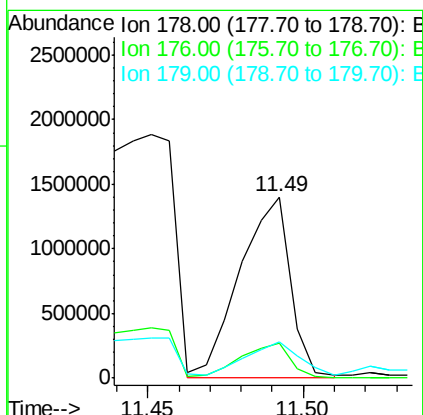
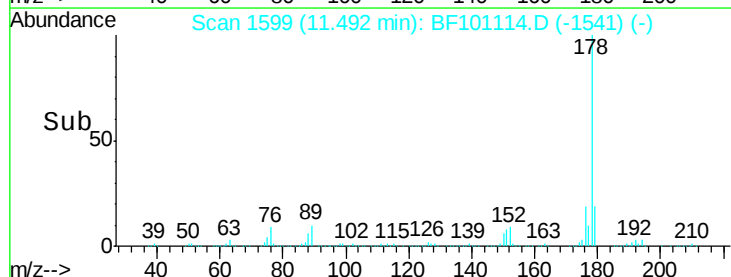
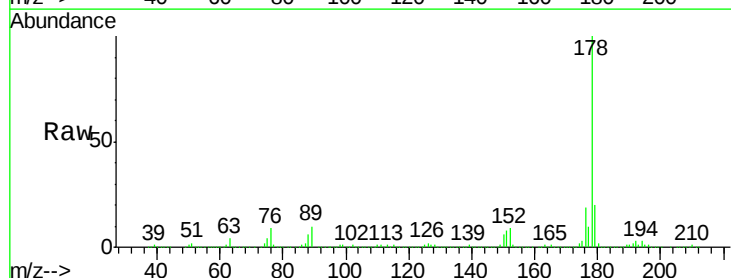
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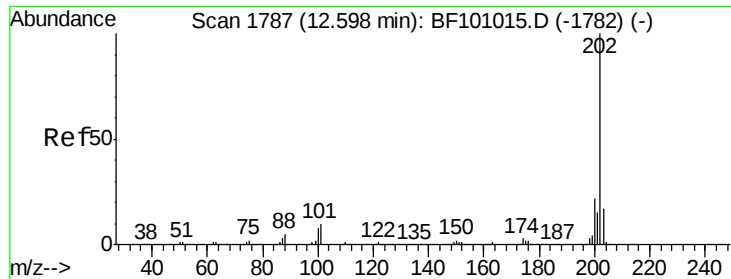
Sohil
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#71
Anthracene
Concen: 179.760 ng m
RT: 11.49 min Scan# 1599
Delta R.T. 0.04 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:178 Resp: 1589945
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 19.9 12.6 19.0#





#74

Fluoranthene

Concen: 238.786 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.04 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

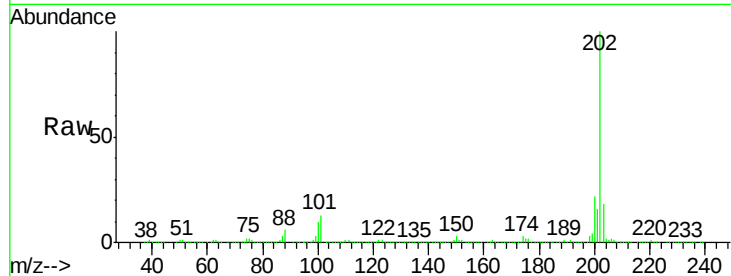
ClientSampleId :

CS-TP102-A

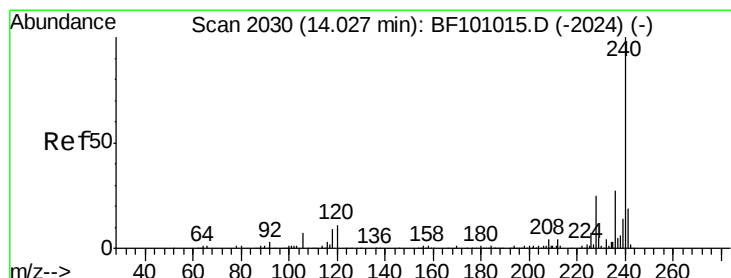
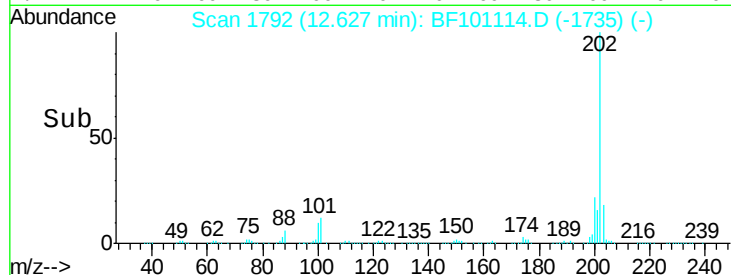
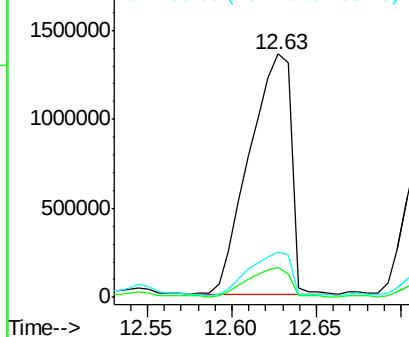
Tot Ion:	202	Resp:	2313185
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	34.1
203	18.4	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2033

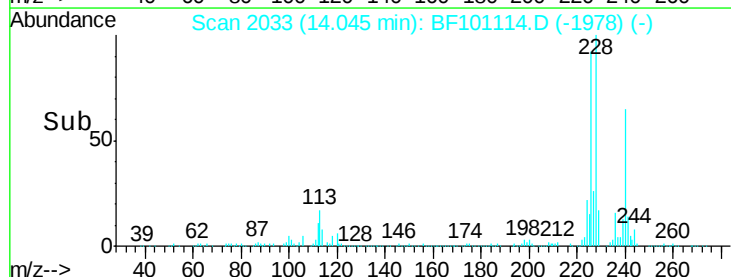
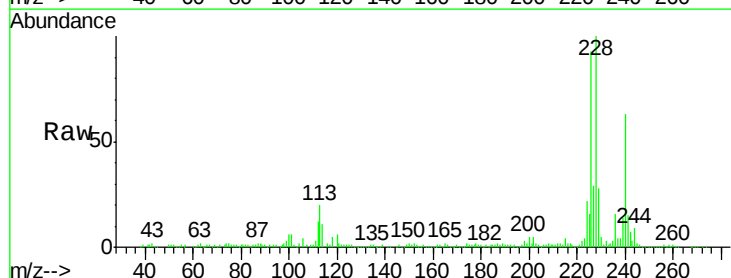
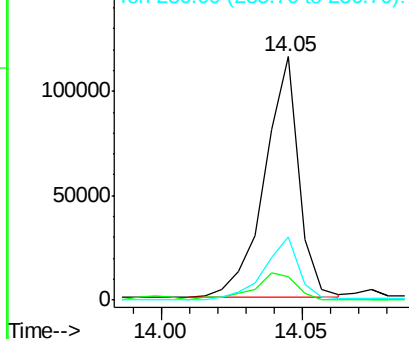
Delta R.T. 0.02 min

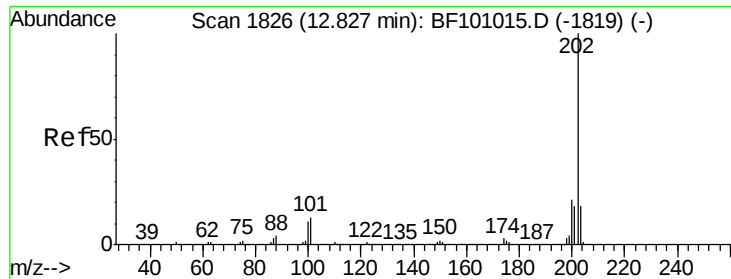
Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Tgt Ion:	240	Resp:	97246
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.5	14.3
236	25.8	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 464.658 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.05 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

ClientSampleId :

CS-TP102-A

Tot Ion:202 Resp: 3117983

Ion Ratio Lower Upper

202 100

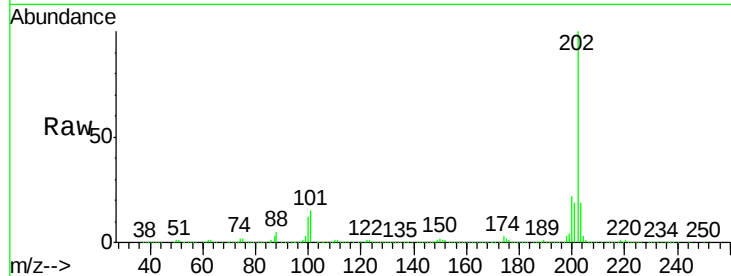
200 21.6 17.4 26.2

203 19.1 14.3 21.5

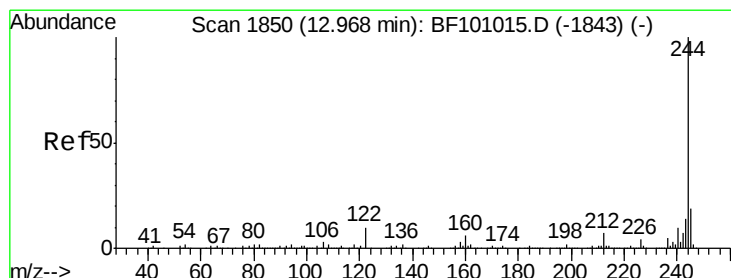
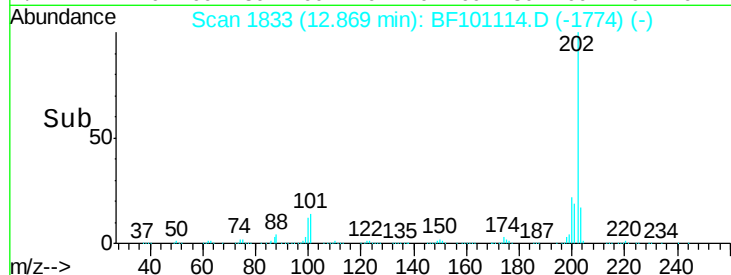
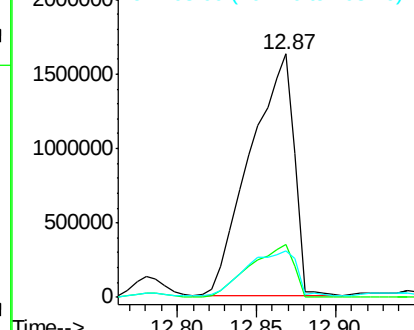
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 98.757 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.01 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

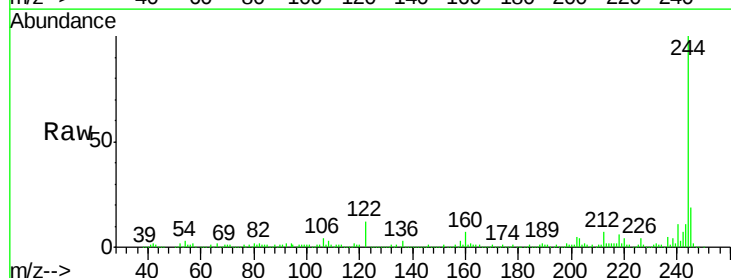
Tgt Ion:244 Resp: 439075

Ion Ratio Lower Upper

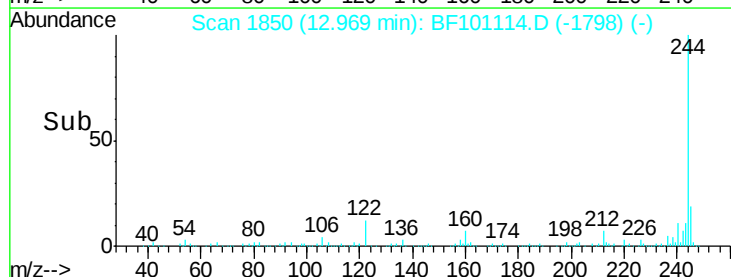
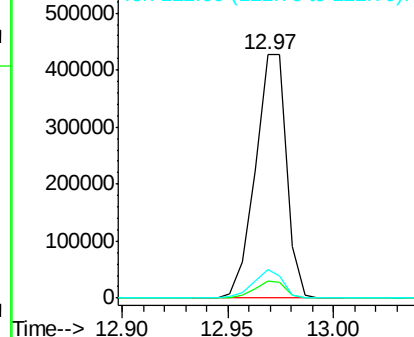
244 100

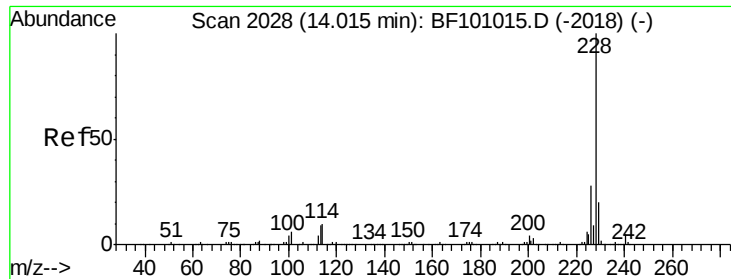
212 7.2 5.4 8.0

122 11.8 11.0 16.4



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





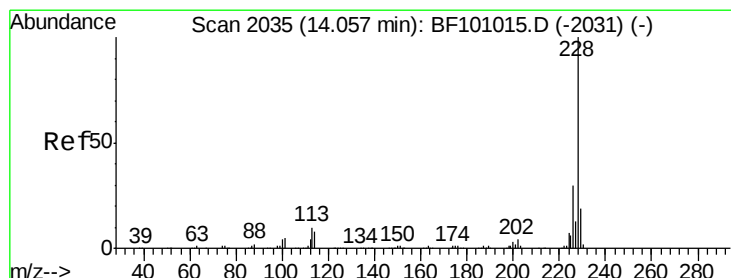
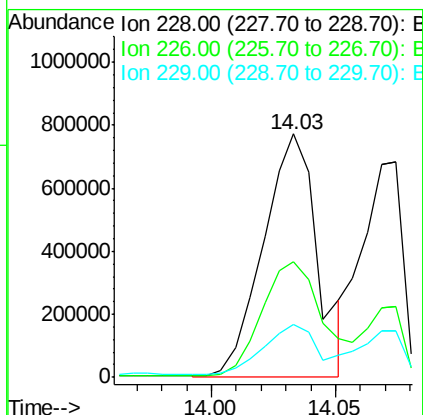
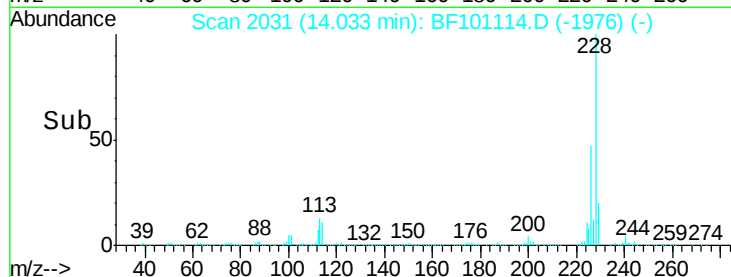
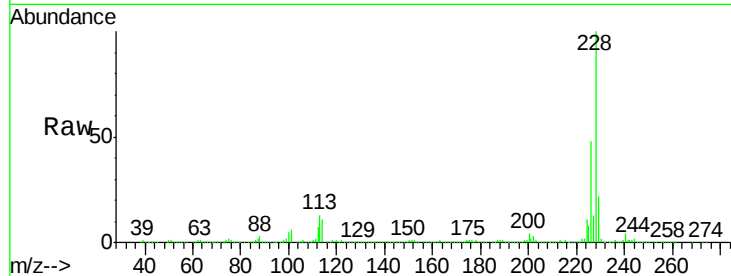
#80
Benzo(a)anthracene
Concen: 191.438 ng m
RT: 14.03 min Scan# 2031
Delta R.T. 0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :
CS-TP102-A

Tot Ion:228 Resp: 1175422
Ion Ratio Lower Upper
228 100
226 47.6 22.6 33.8#
229 21.9 15.8 23.6

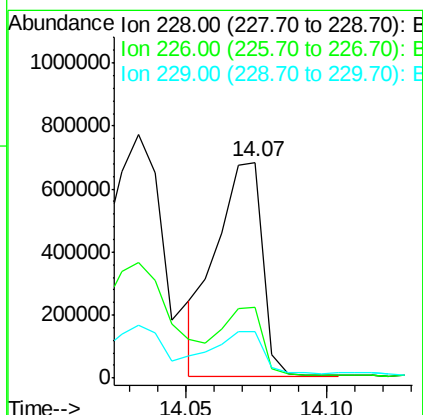
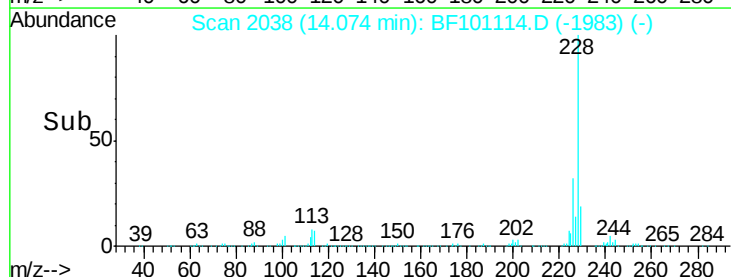
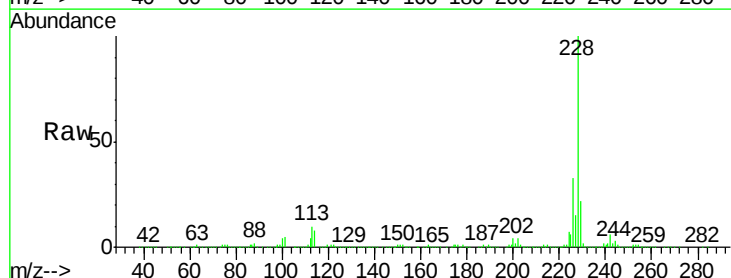
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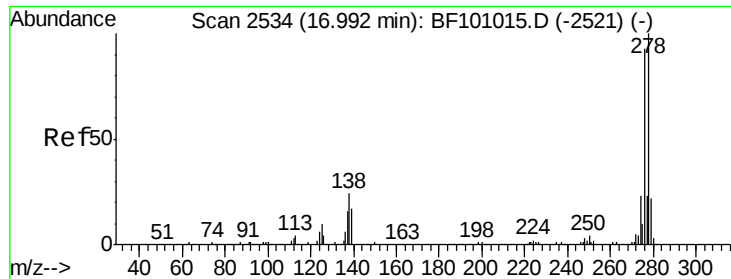
Sohil
12/6/2017 5:12:11 PM



#82
Chrysene
Concen: 136.564 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion:228 Resp: 778728
Ion Ratio Lower Upper
228 100
226 33.0 25.0 37.6
229 21.8 16.2 24.4





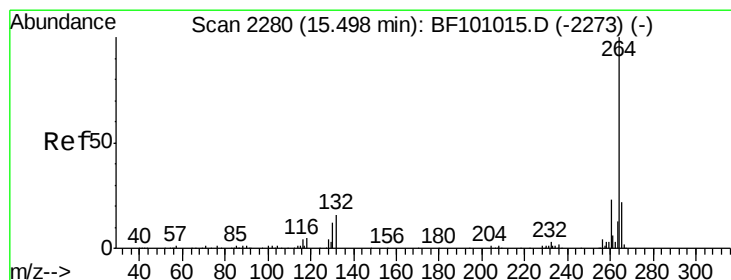
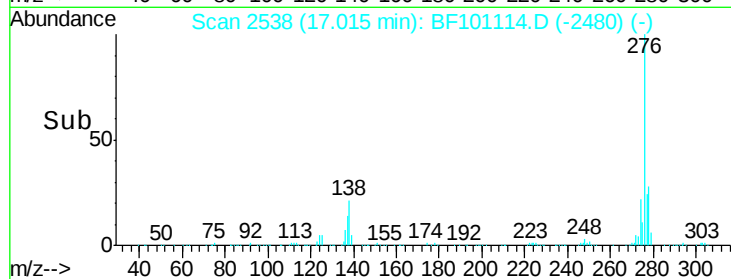
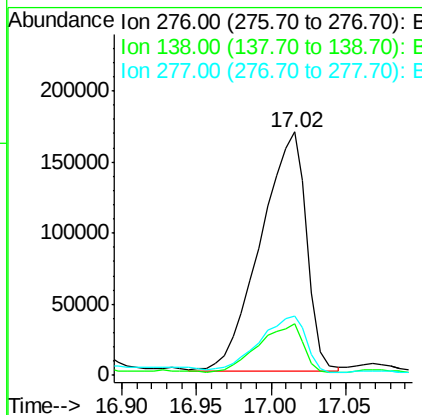
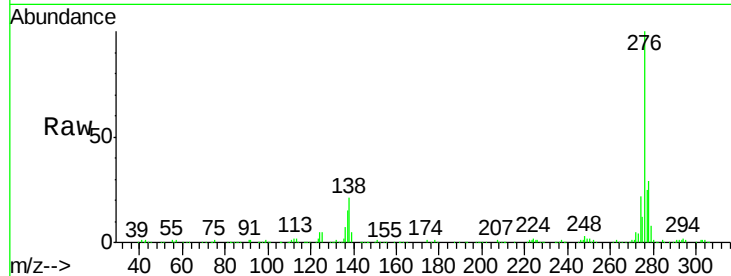
#85
Indeno(1,2,3-cd)pyrene
Concen: 70.785 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.04 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Instrument :
BNA_F
ClientSampleId :
CS-TP102-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	24.5	20.1	30.1

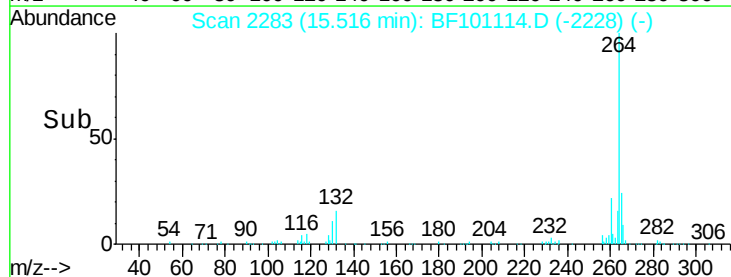
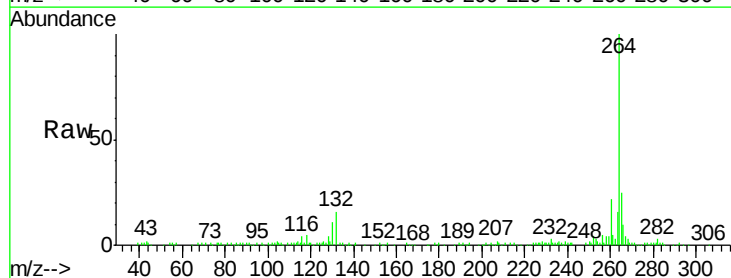
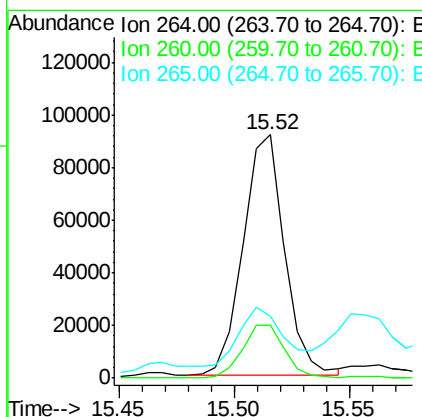
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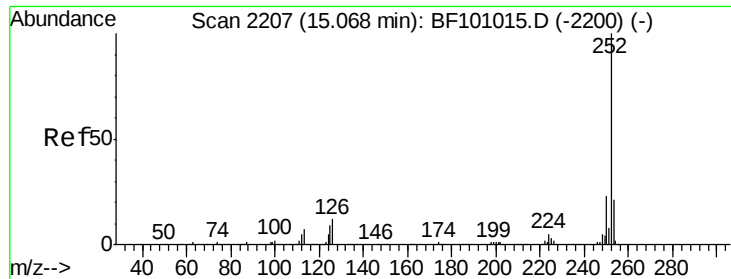
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.02 min
Lab File: BF101114.D
Acq: 5 Dec 2017 10:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.0	19.2	28.8
265	25.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 94.632 ng m

RT: 15.09 min Scan# 2210

Delta R.T. 0.02 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

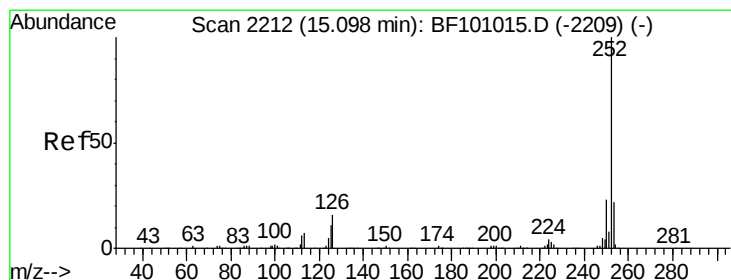
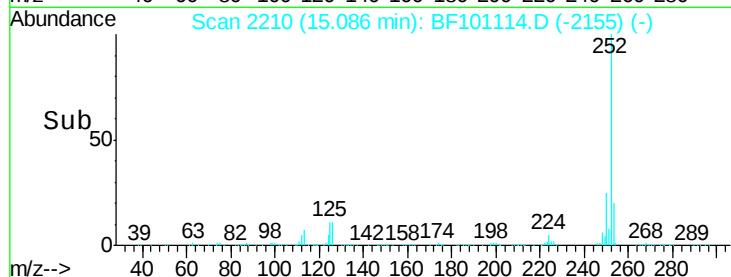
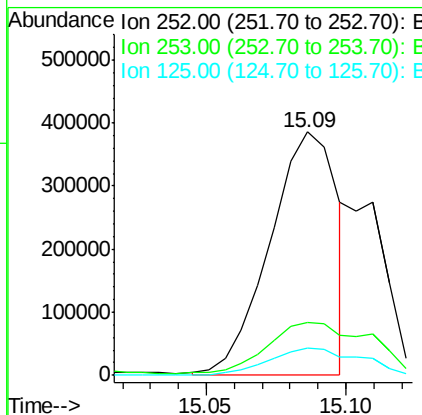
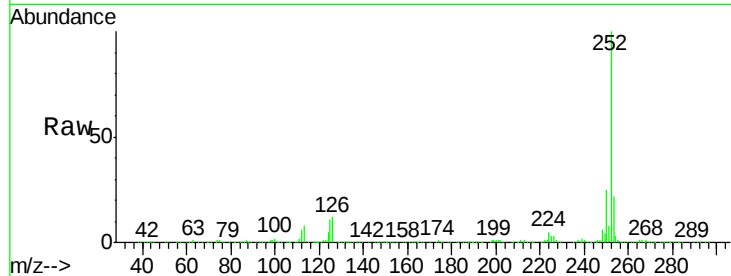
ClientSampleId :

CS-TP102-A

Tot Ion:	252	Resp:	650711
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.6
125	11.5	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 38.222 ng m

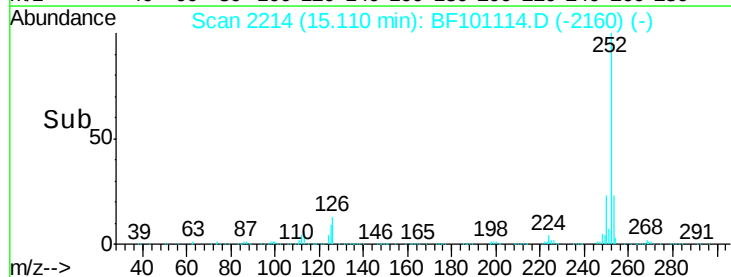
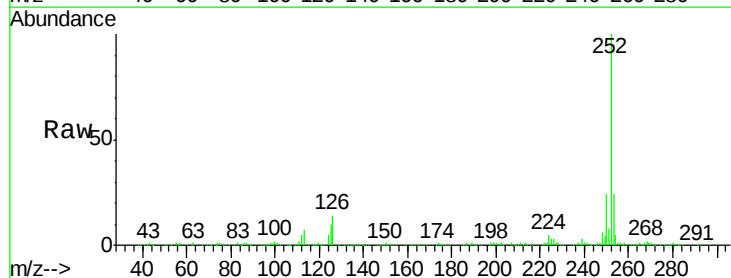
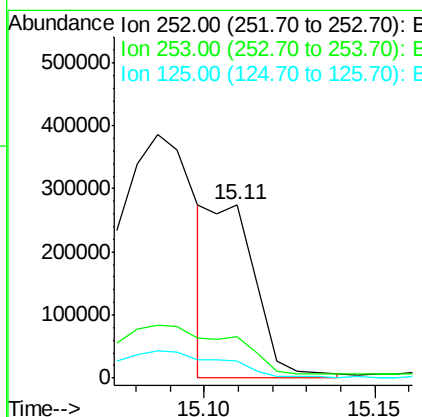
RT: 15.11 min Scan# 2214

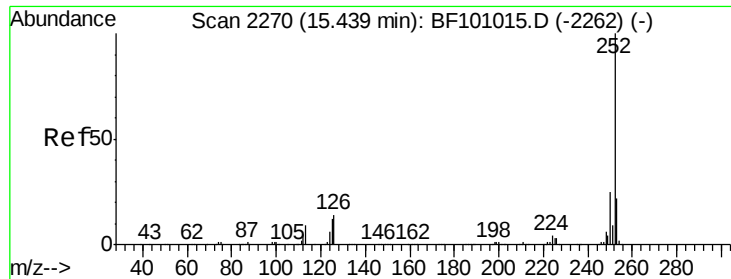
Delta R.T. 0.02 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Tgt Ion:	252	Resp:	258937
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.9	26.9
125	9.6	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 134.693 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.04 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Instrument :

BNA_F

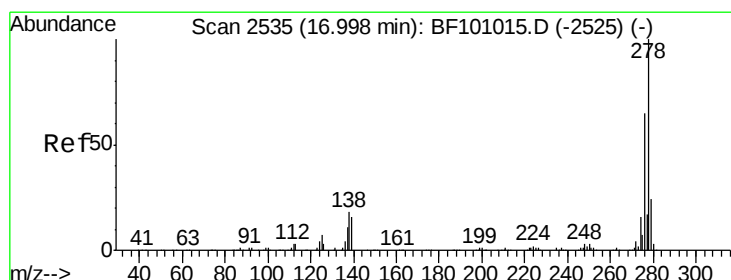
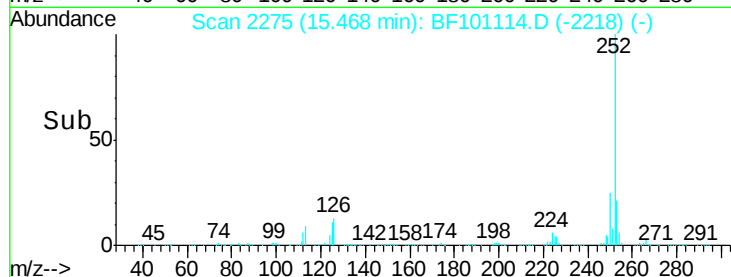
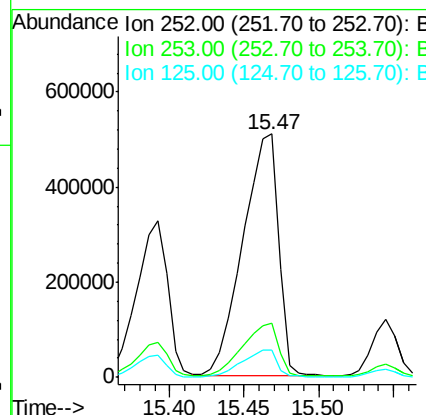
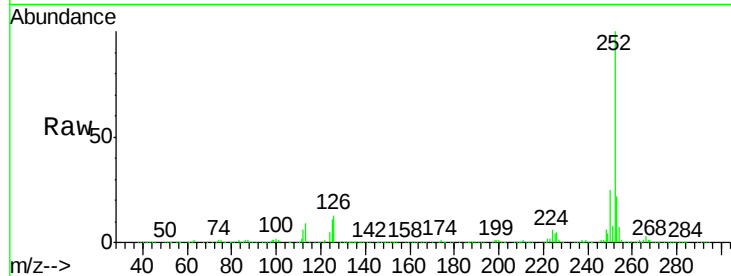
ClientSampleId :

CS-TP102-A

Tot Ion:	252	Resp:	842014
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.1	25.7
125	11.0	9.8	14.6

Manual Integrations
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Sohil
12/6/2017 5:12:11 PM



#90

Dibenzo(a,h)anthracene

Concen: 18.761 ng

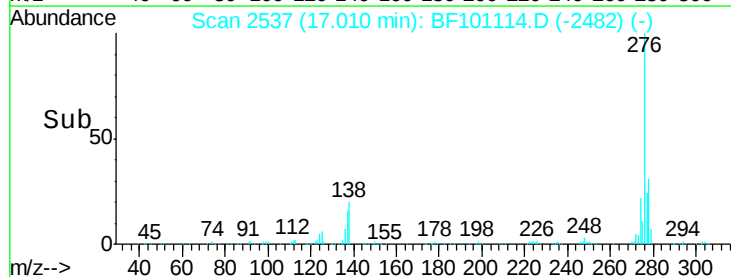
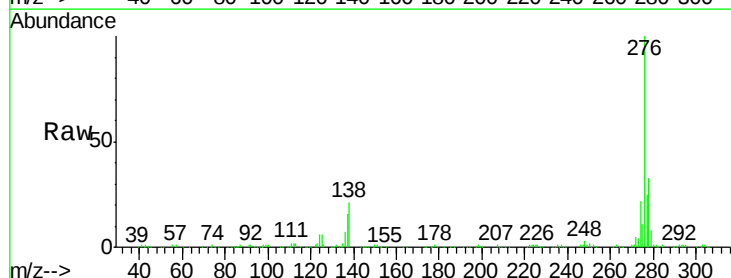
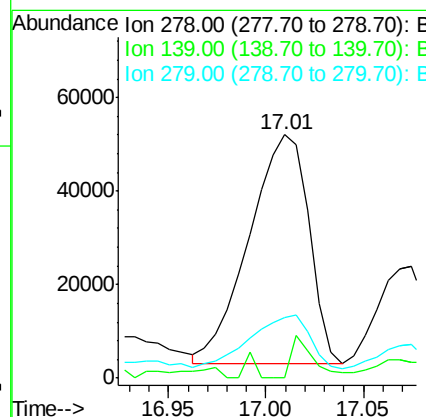
RT: 17.01 min Scan# 2537

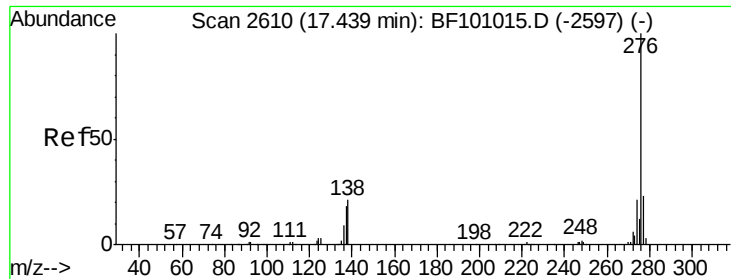
Delta R.T. 0.02 min

Lab File: BF101114.D

Acq: 5 Dec 2017 10:40

Tgt Ion:	278	Resp:	103397
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	25.0	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 83.548 ng/ml
 RT: 17.47 min Scan# 2616
 Delta R.T. 0.05 min
 Lab File: BF101114.D
 Acq: 5 Dec 2017 10:40

Instrument :
 BNA_F
 ClientSampleId :
 CS-TP102-A

Tot Ion:	276	Resp:	433932
Ion Ratio	Lower	Upper	
276	100		
277	23.5	17.9	26.9
138	21.3	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 12/6/2017 5:12:11 PM

