

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101924.D
 Acq On : 5 Jan 2018 12:46
 Operator : SJ/JU
 Sample : J1033-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-1(5)

Manual Integrations
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 1/8/2018 4:21:41 PM

Quant Time: Jan 05 15:08:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	121356	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	419880	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	145496	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	264748	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	260911	20.00	ng	-0.02
86) Perylene-d12	15.43	264	194465	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	860931	105.67	ng	0.00
7) Phenol-d6	6.43	99	1015887	100.19	ng	0.00
23) Nitrobenzene-d5	7.35	82	624719	82.82	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	119535	85.26	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	824351	87.89	ng	-0.01
78) Terphenyl-d14	12.88	244	763980	70.59	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.67	152	49570	3.179	ng	98
49) Dimethylphthalate	9.53	163	98893	8.450	ng	99
54) Dibenzofuran	10.03	168	25549	2.146	ng	97
57) Fluorene	10.36	166	24397	2.422	ng	# 99
70) Phenanthrene	11.33	178	311172	21.135	ng	99
71) Anthracene	11.39	178	81956	5.449	ng	98
72) Carbazole	11.56	167	31776	2.257	ng	98
74) Fluoranthene	12.52	202	448272	29.007	ng	99
77) Pyrene	12.76	202	423345	21.620	ng	99
80) Benzo(a)anthracene	13.95	228	229576	13.325	ng	98
82) Chrysene	13.99	228	210018	12.911	ng	97
83) Bis(2-ethylhexyl)phthalate	13.90	149	410350	36.565	ng	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	75240	5.194	ng	# 91
87) Benzo(b)fluoranthene	15.01	252	210938m	17.796	ng	
88) Benzo(k)fluoranthene	15.03	252	84022m	7.291	ng	
89) Benzo(a)pyrene	15.37	252	146343	13.393	ng	# 92
90) Dibenzo(a,h)anthracene	16.92	278	23165	2.469	ng	# 65
91) Benzo(g,h,i)perylene	17.39	276	70398	7.578	ng	97

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

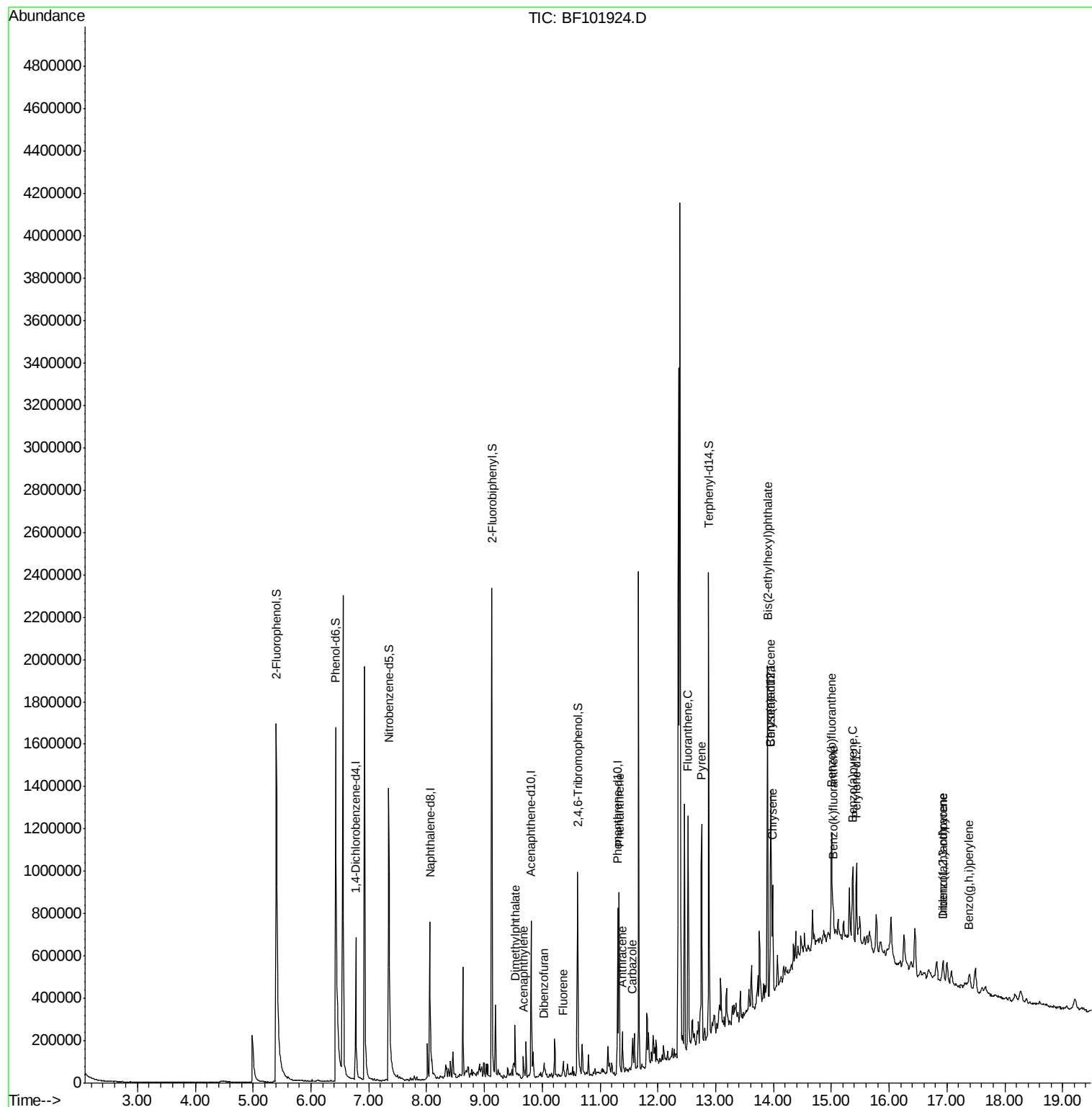
Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101924.D
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ALS Vial : 9 Sample Multiplier: 1

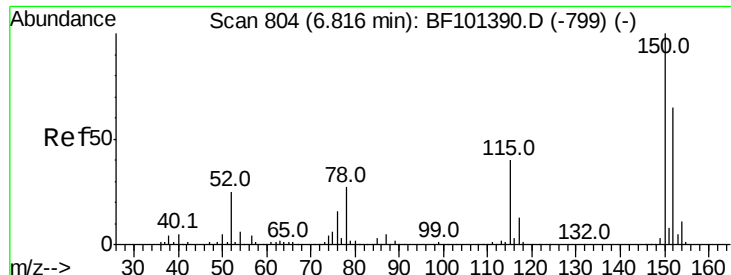
Instrument :
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#1

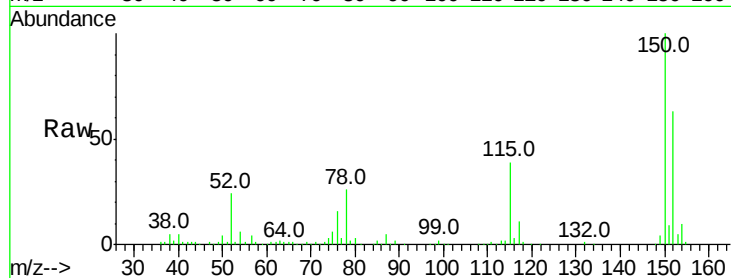
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Instrument :
BNA_F
ClientSampleId :
B-1(5)

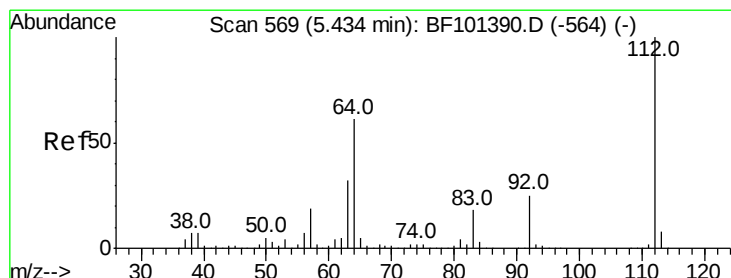
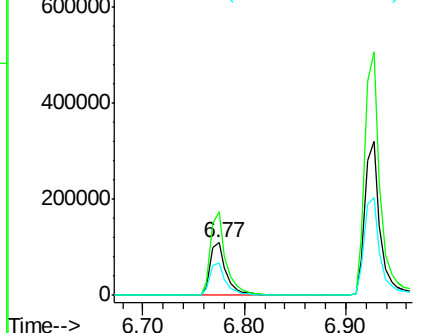
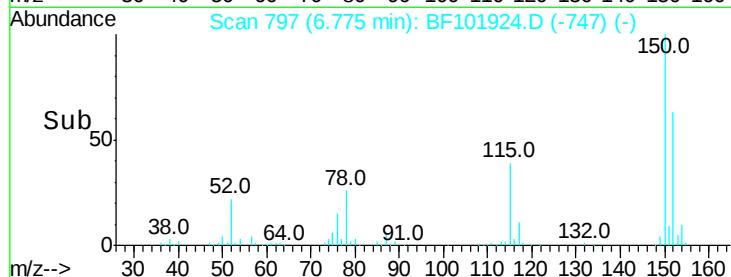
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	62.2	50.1	75.1

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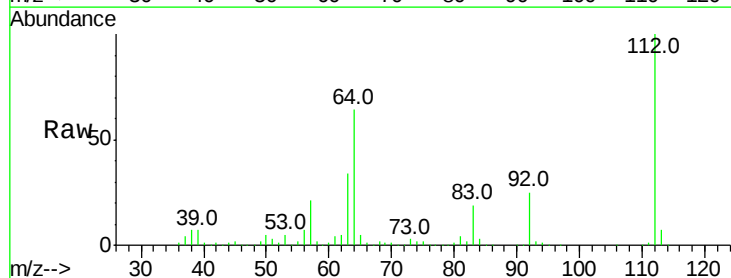
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



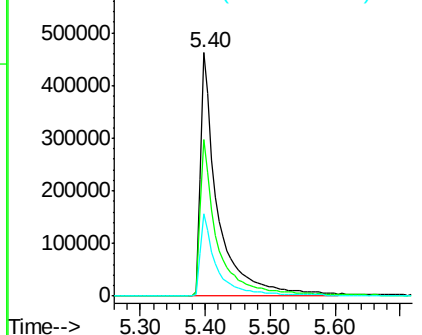
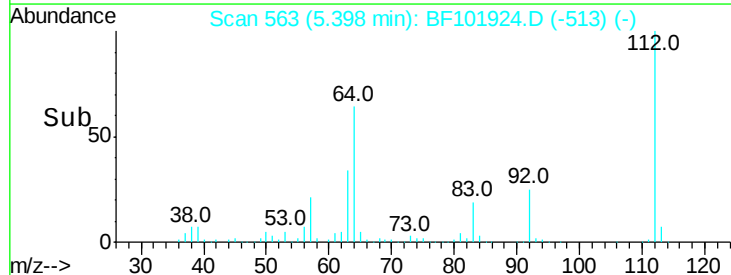
#5

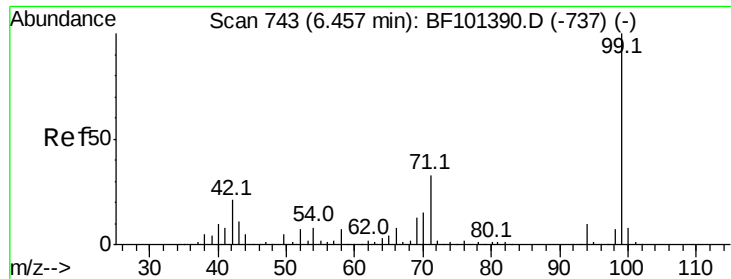
2-Fluorophenol
Concen: 105.675 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	47.9	71.9
63	33.9	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: 100.193 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Instrument :

BNA_F

ClientSampled :

B-1(5)

Tot Ion: 99 Resp: 1015887

Ion Ratio Lower Upper

99 100

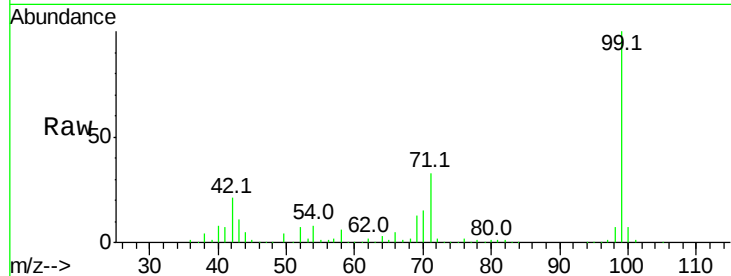
42 21.0 14.5 21.7

71 32.9 25.4 38.0

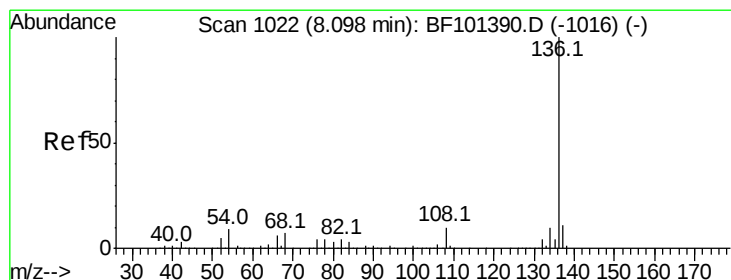
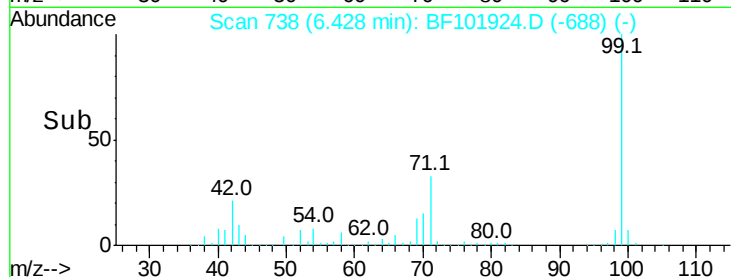
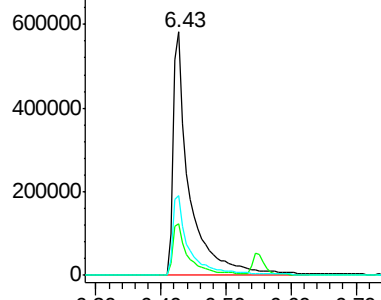
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Tgt Ion: 136 Resp: 419880

Ion Ratio Lower Upper

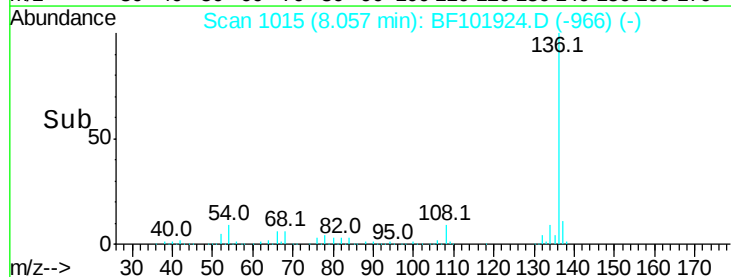
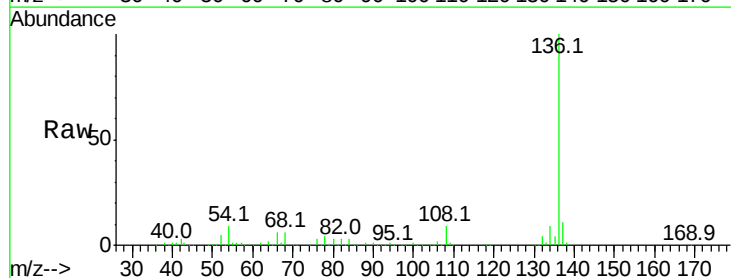
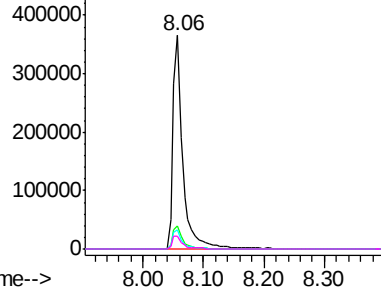
136 100

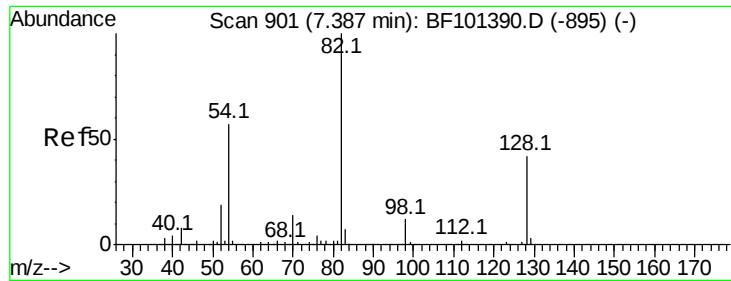
137 10.7 8.9 13.3

54 8.7 6.6 9.8

68 6.3 5.0 7.4

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





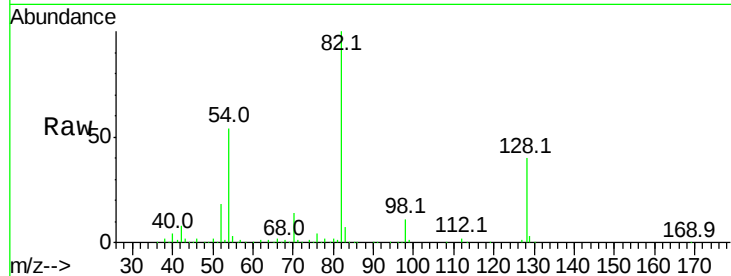
#23
Nitrobenzene-d5
Concen: 82.822 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Instrument :
BNA_F
ClientSampled :
B-1(5)

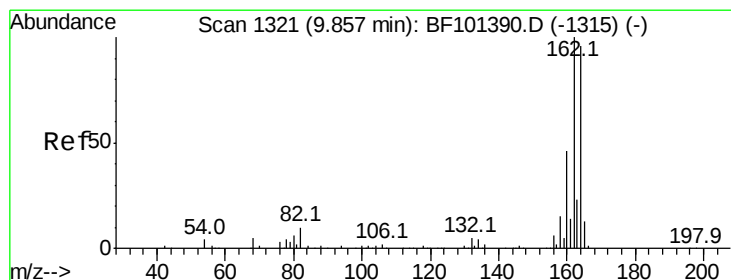
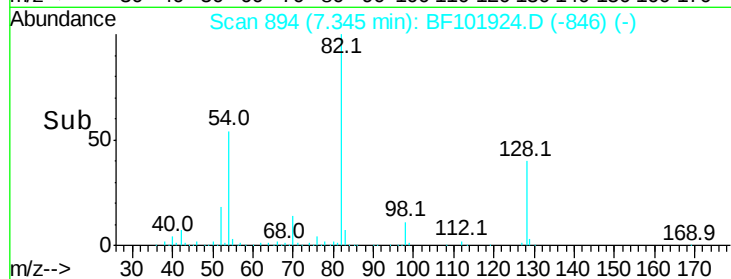
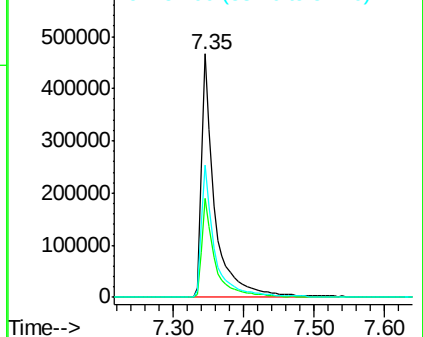
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	36.1	54.1
54	54.4	41.4	62.2

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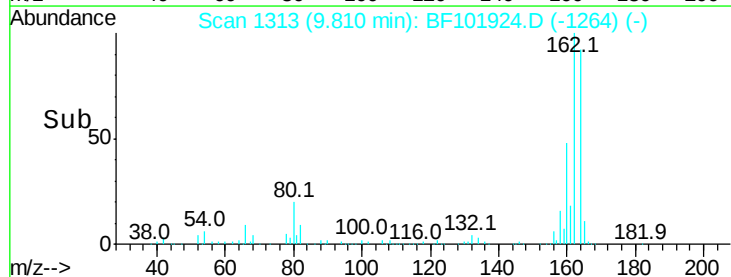
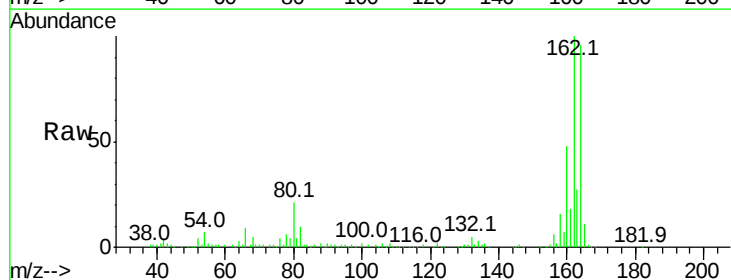
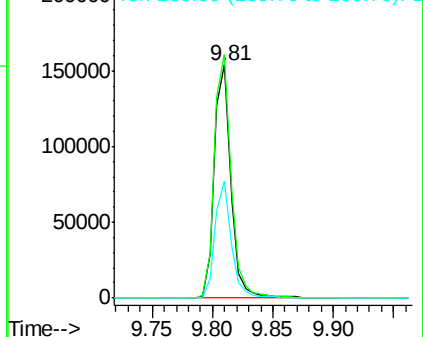
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	49.9	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





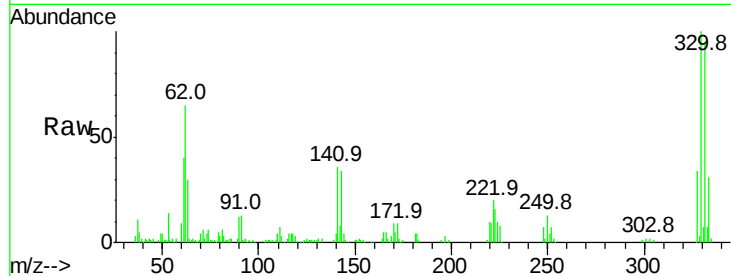
#41
 2,4,6-Tribromophenol
 Concen: 85.262 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF101924.D
 Acq: 5 Jan 2018 12:46

Instrument :
 BNA_F
 ClientSampled :
 B-1(5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.4	77.0	115.6	
141	41.3	29.9	44.9	

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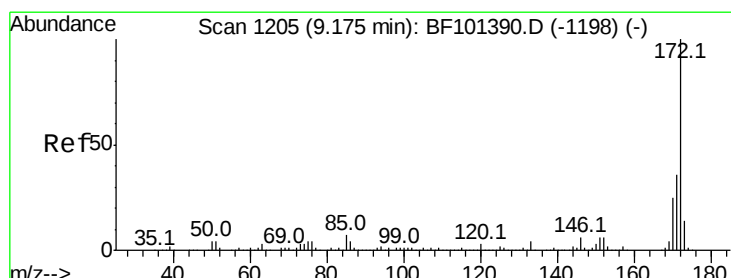
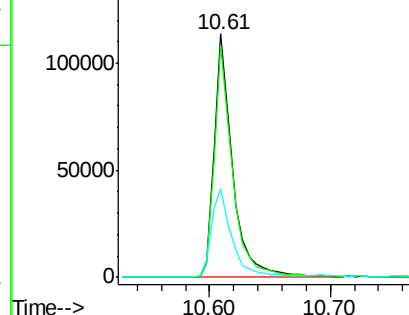
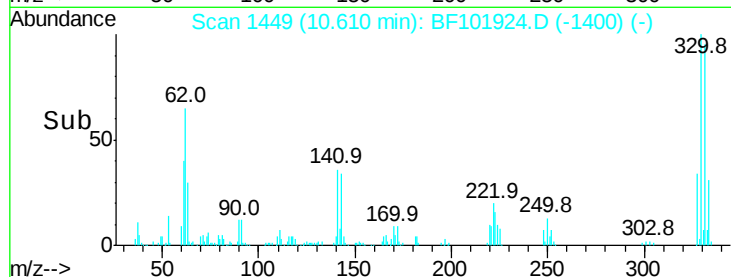


Abundance

Ion 329.80 (329.50 to 330.50): E

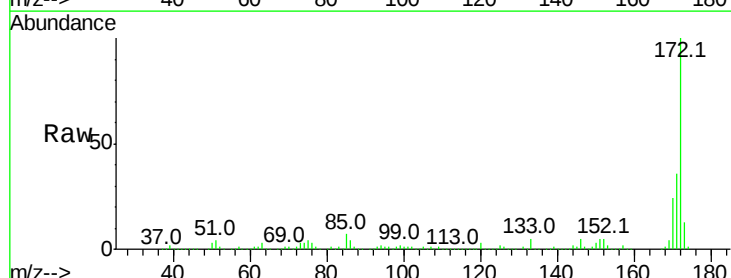
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 87.890 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF101924.D
 Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.7	44.5	
170	24.0	19.6	29.4	

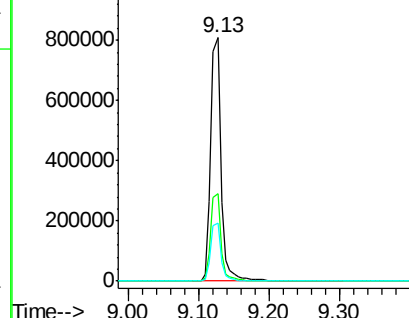
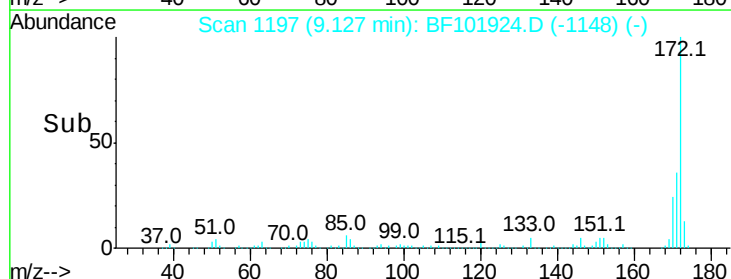


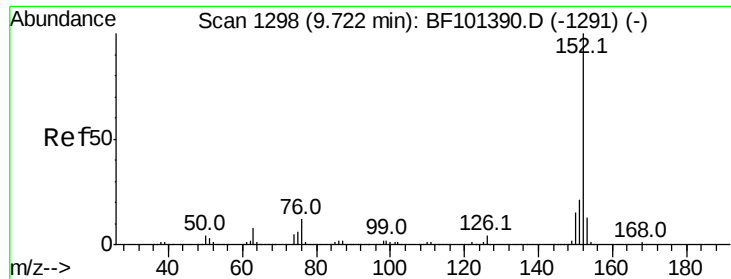
Abundance

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: 3.179 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Instrument :

BNA_F

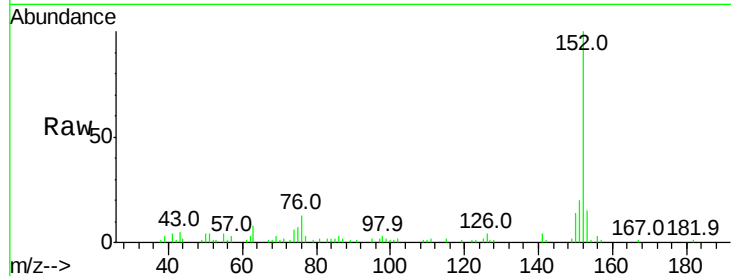
ClientSampled :

B-1(5)

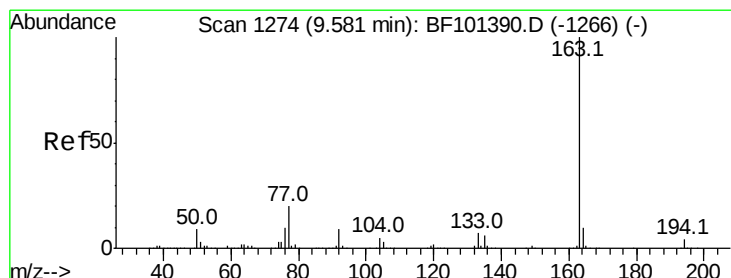
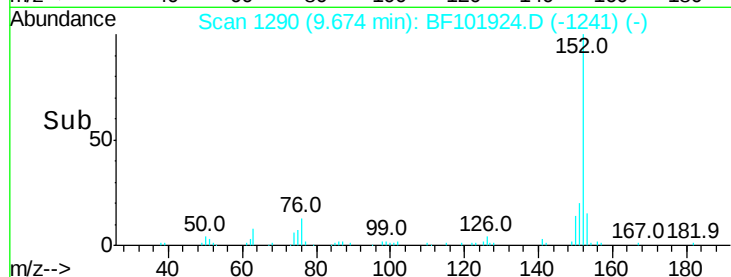
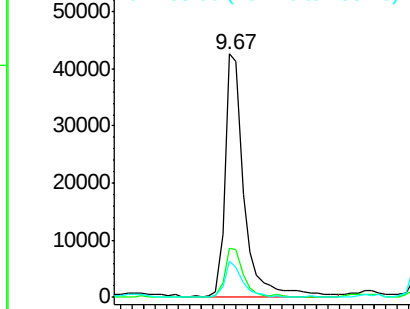
Tot Ion:	152	Resp:	49570
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.3	24.5
153	14.9	10.7	16.1

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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



#49

Dimethylphthalate

Concen: 8.450 ng

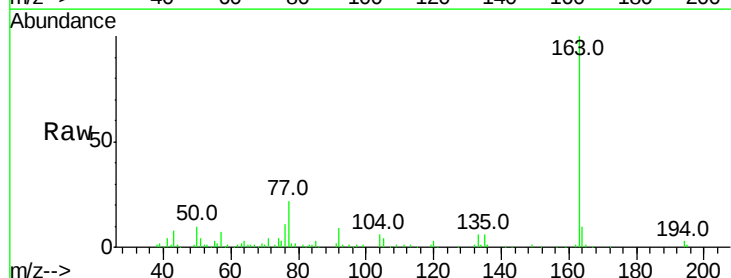
RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

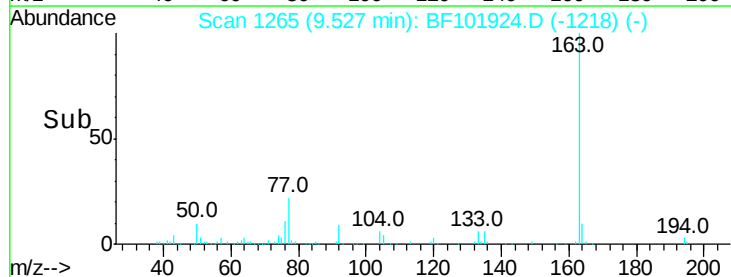
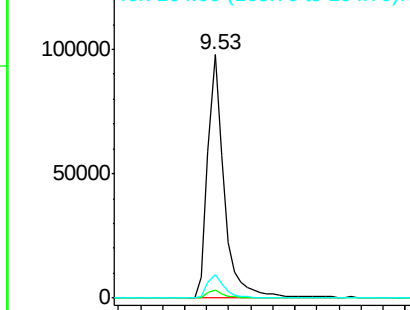
Lab File: BF101924.D

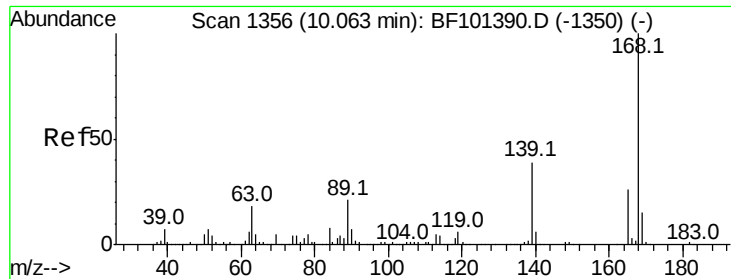
Acq: 5 Jan 2018 12:46

Tgt Ion:	163	Resp:	98893
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	9.6	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#54

Dibenzenofuran

Concen: 2.146 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Instrument :

BNA_F

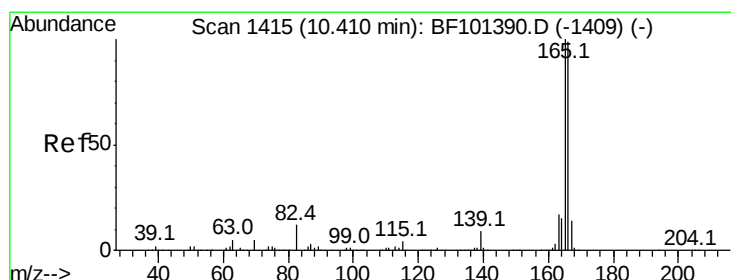
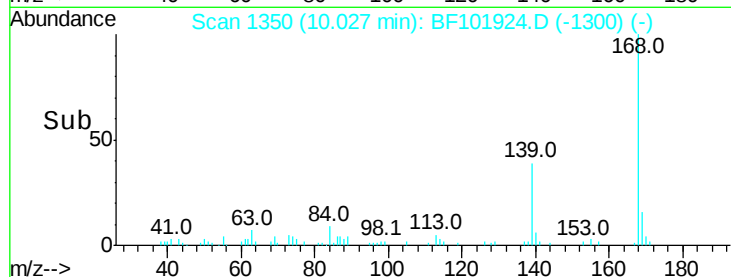
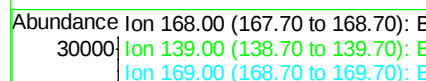
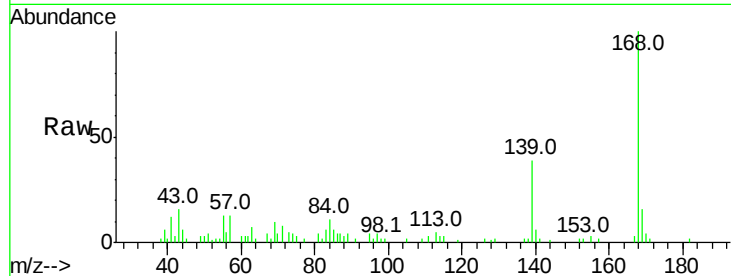
ClientSampleId :

B-1(5)

Tot Ion:	168	Resp:	25549
Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.1	45.1
169	15.8	10.9	16.3

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#57

Fluorene

Concen: 2.422 ng

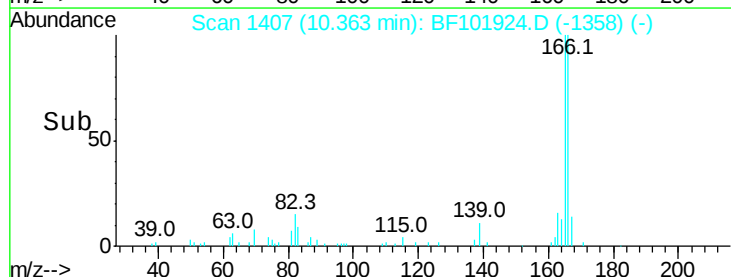
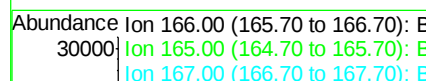
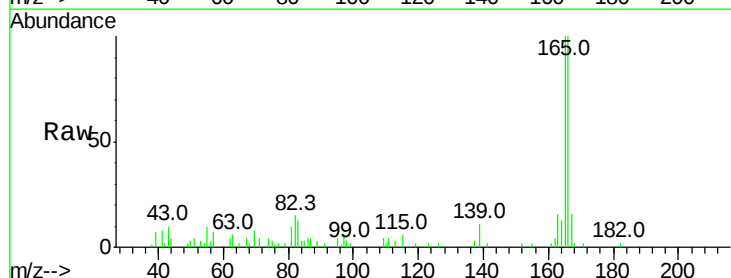
RT: 10.36 min Scan# 1407

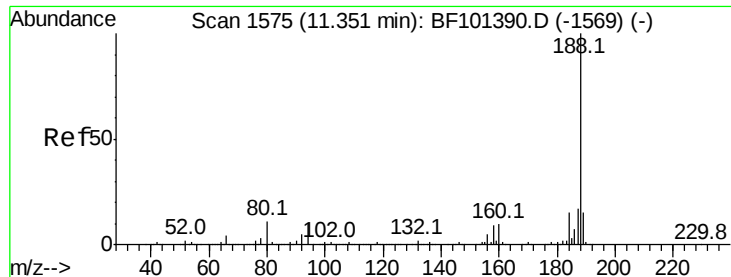
Delta R.T. -0.01 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Tgt Ion:	166	Resp:	24397
Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.8
167	16.4	10.6	16.0#





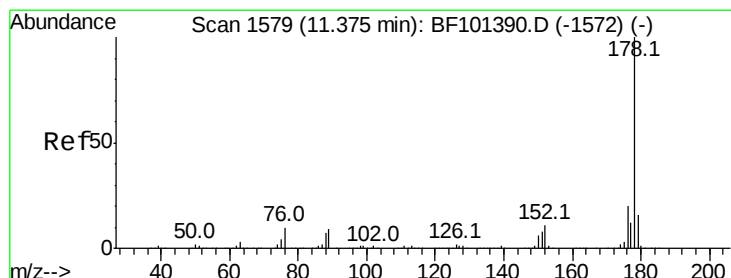
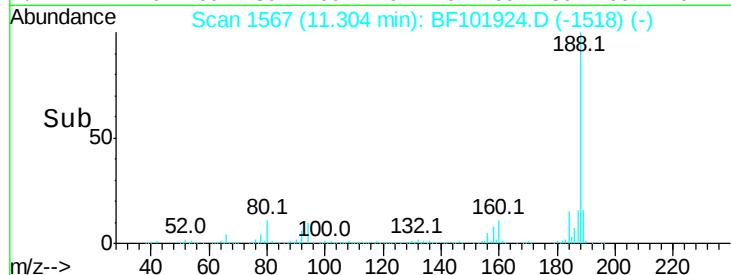
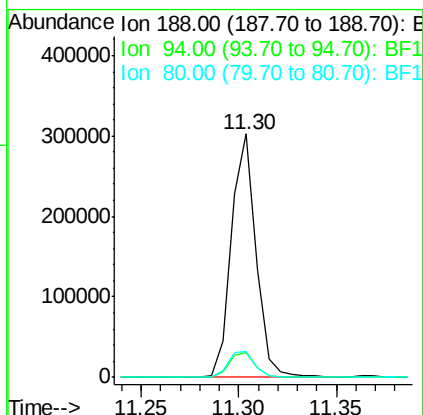
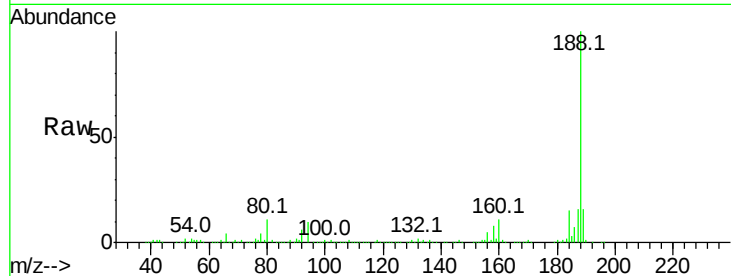
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Instrument :
BNA_F
ClientSampleId :
B-1(5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	264748		
94	10.3		8.5	12.7
80	10.9		9.2	13.8

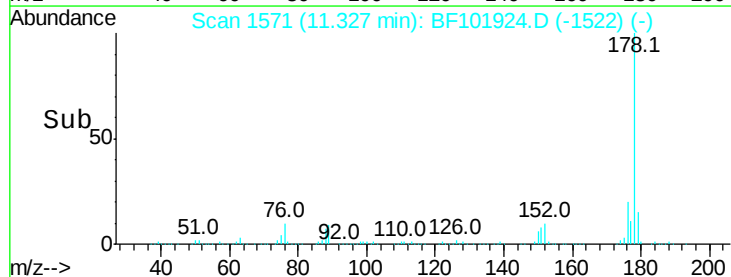
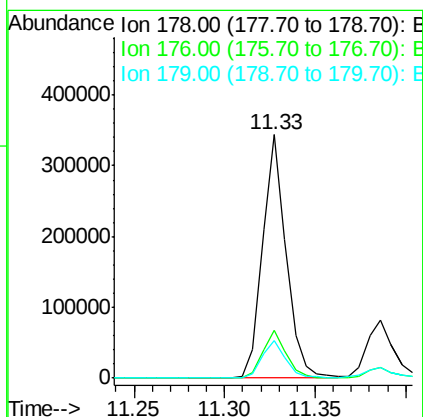
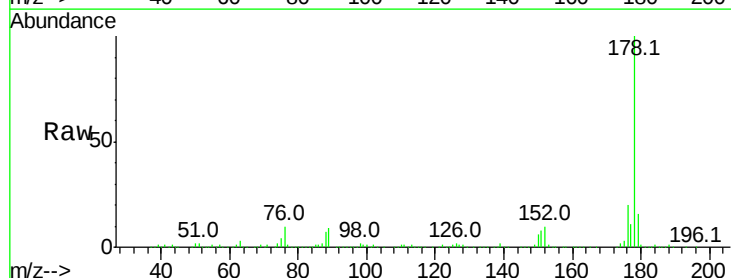
Manual Integrations
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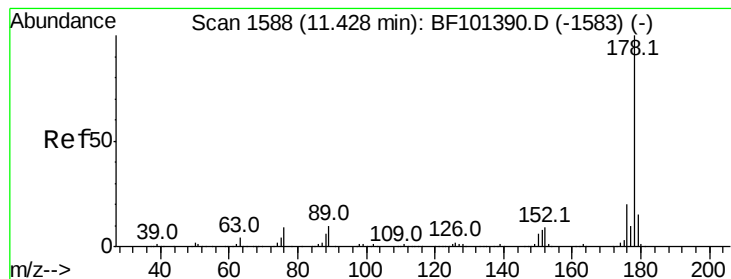
Sohil
1/8/2018 4:21:41 PM



#70
Phenanthrene
Concen: 21.135 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	311172		
176	19.7		15.8	23.8
179	15.5		13.0	19.6





#71

Anthracene

Concen: 5.449 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Instrument :

BNA_F

ClientSampleId :

B-1(5)

Tot Ion:178 Resp: 81956

Ion Ratio Lower Upper

178 100

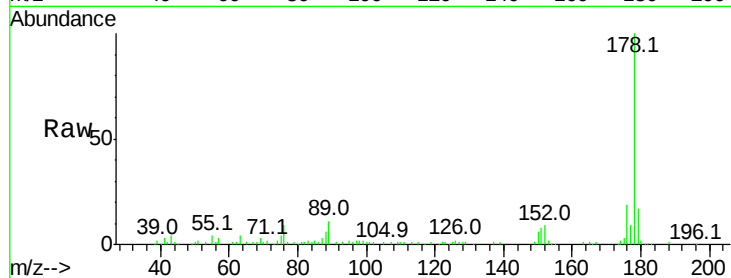
176 19.1 15.4 23.2

179 17.4 12.6 19.0

Manual Integrations
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Sohil

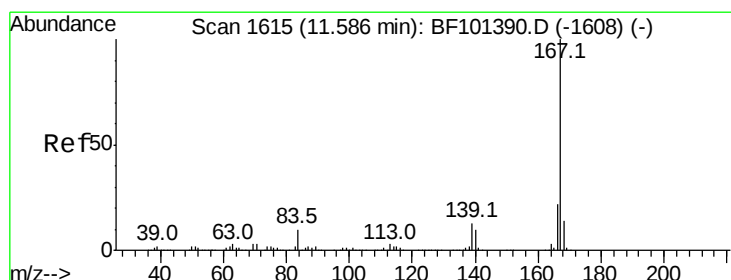
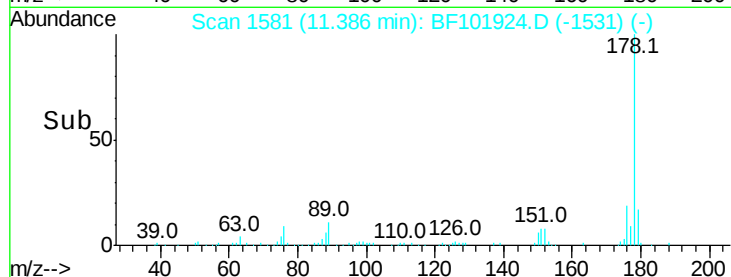
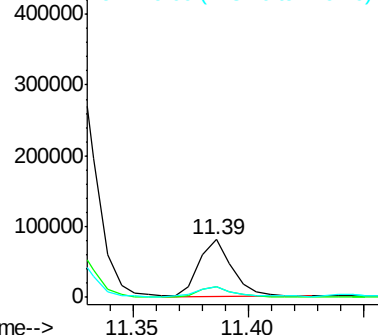
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 2.257 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

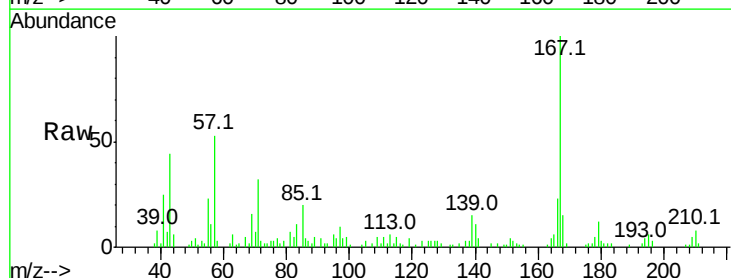
Tgt Ion:167 Resp: 31776

Ion Ratio Lower Upper

167 100

166 22.8 17.6 26.4

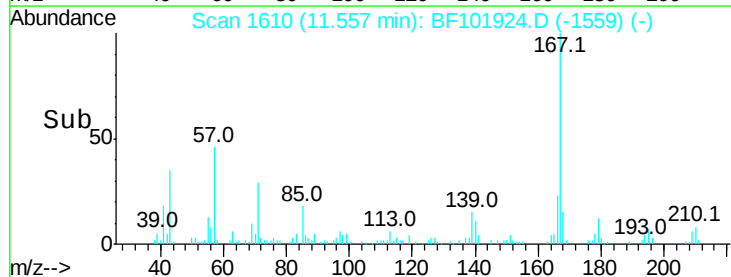
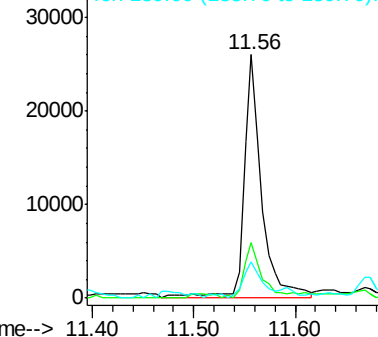
139 14.8 10.9 16.3

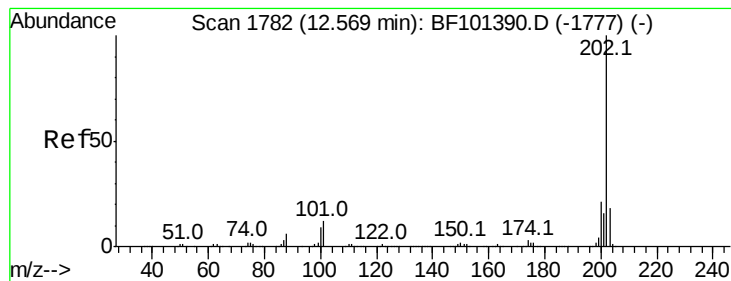


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 29.007 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Instrument :

BNA_F

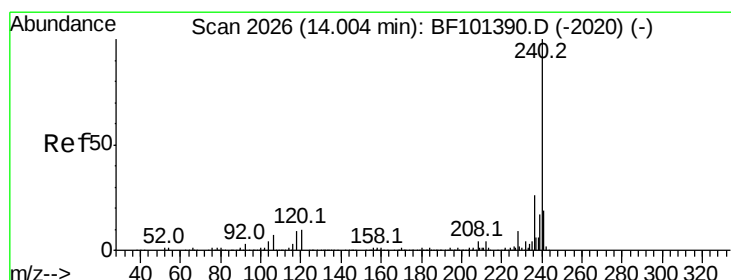
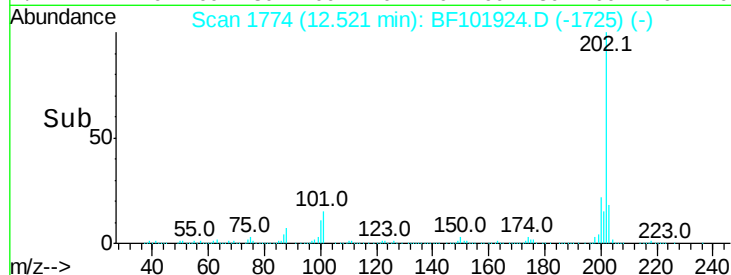
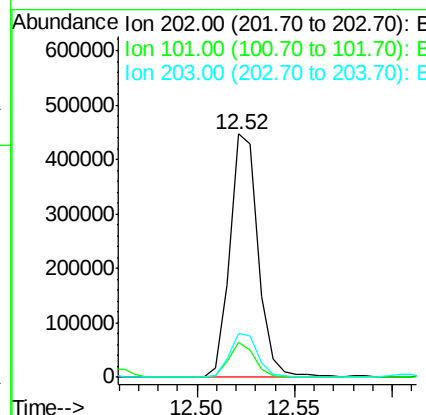
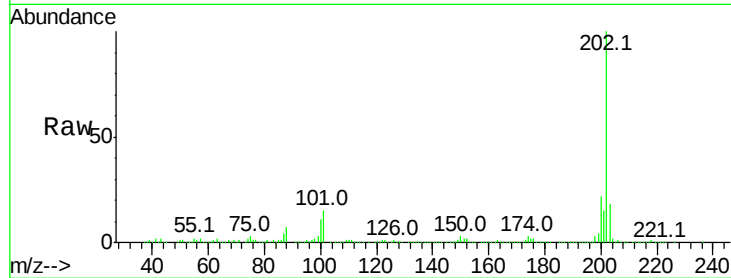
ClientSampleId :

B-1(5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	448272		
101	14.5	0.0	34.1	
203	17.9	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

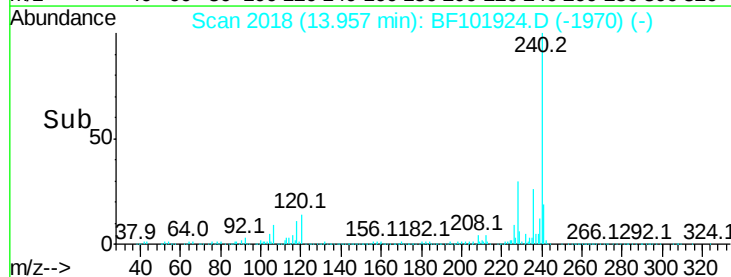
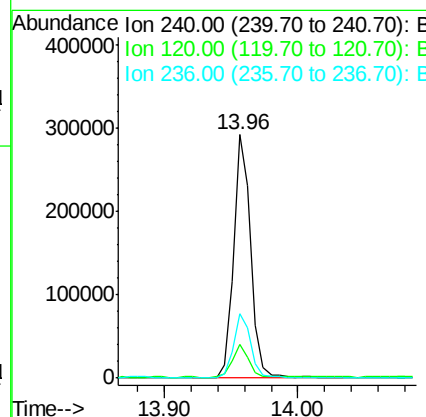
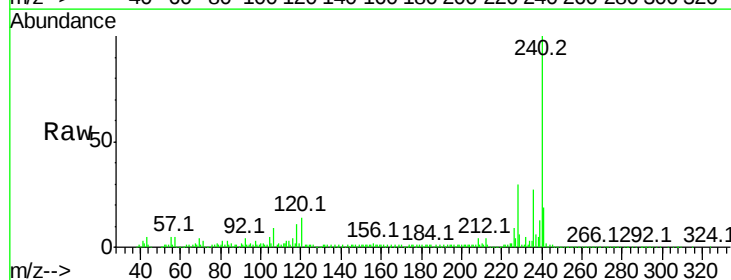
RT: 13.96 min Scan# 2018

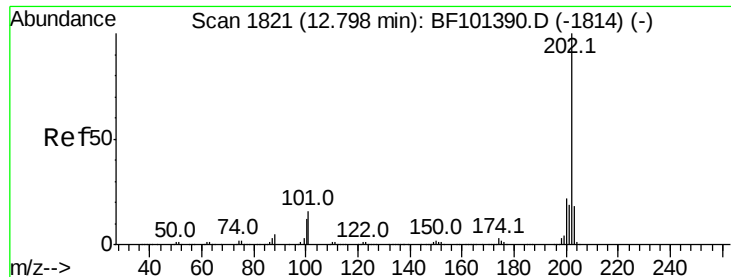
Delta R.T. -0.02 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	260911		
120	13.9	9.5	14.3	
236	26.6	20.7	31.1	





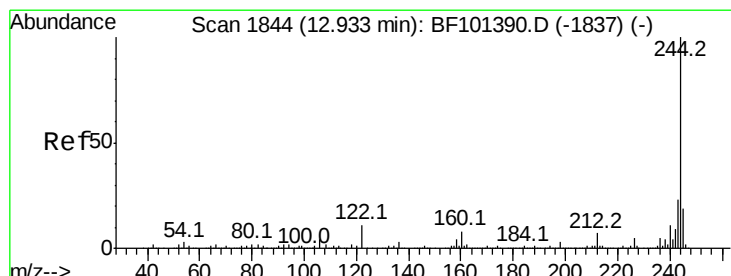
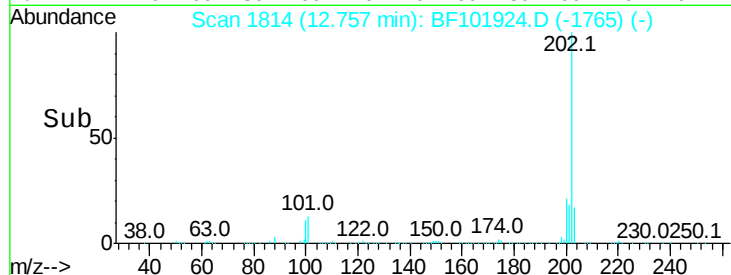
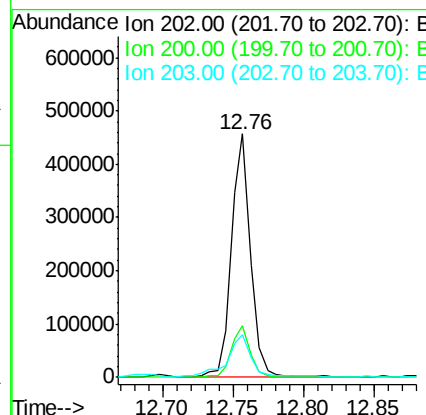
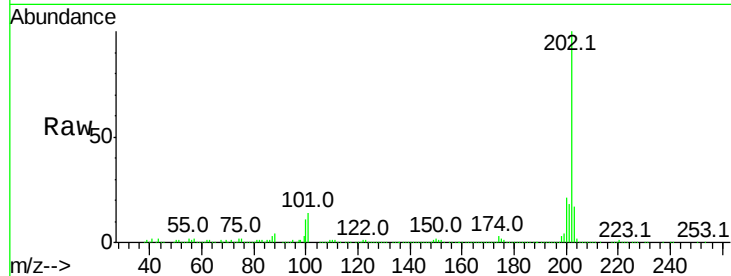
#77
Pvrene
Concen: 21.620 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Instrument :
BNA_F
ClientSampleId :
B-1(5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.3	21.5

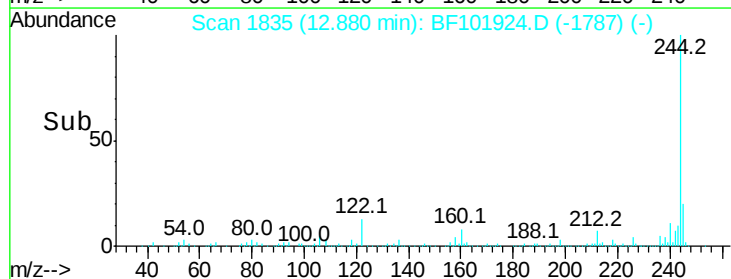
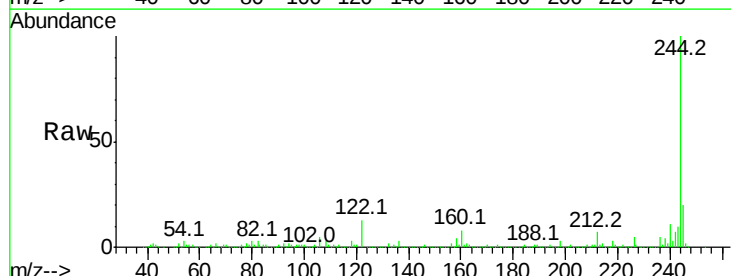
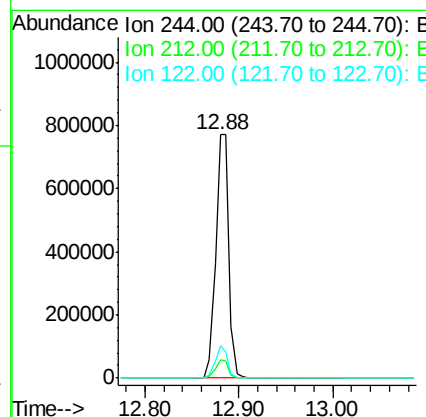
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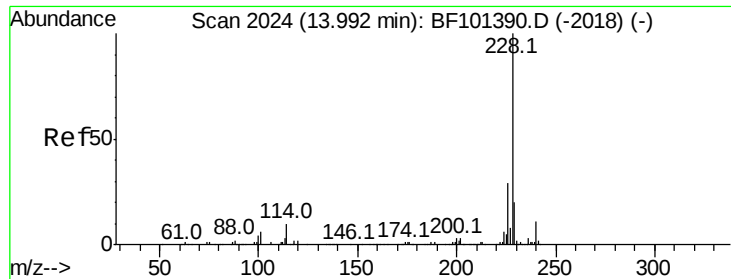
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#78
Terphenyl-d14
Concen: 70.590 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.0
122	13.4	11.0	16.4





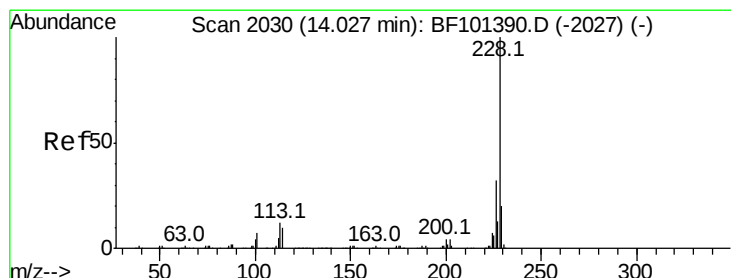
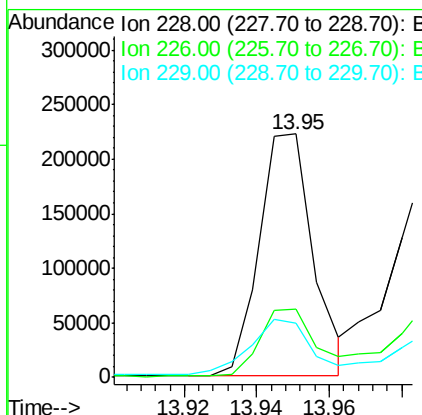
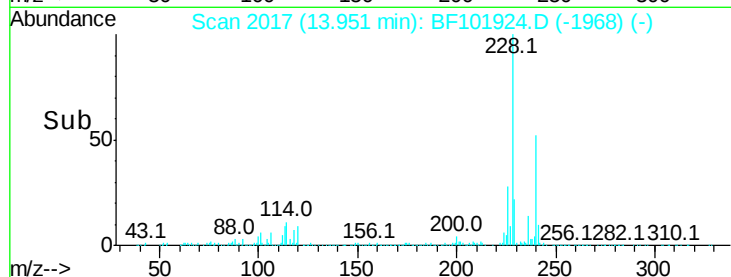
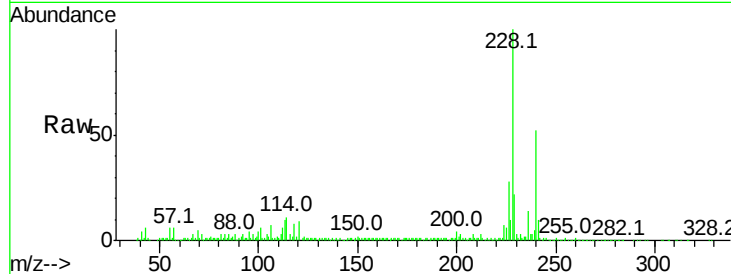
#80
Benzo(a)anthracene
Concen: 13.325 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Instrument :
BNA_F
ClientSampled :
B-1(5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	22.2	15.8	23.6

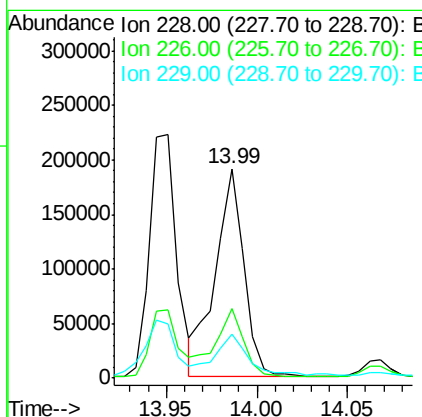
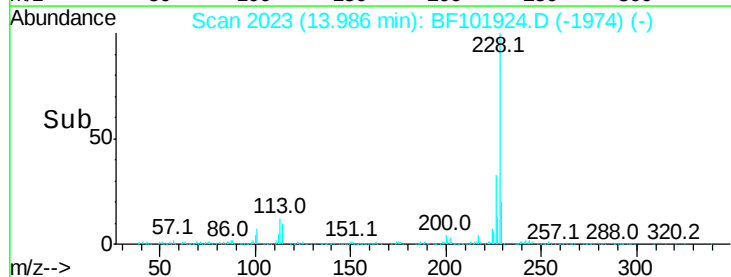
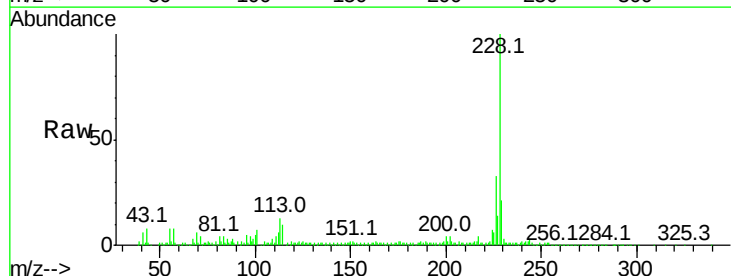
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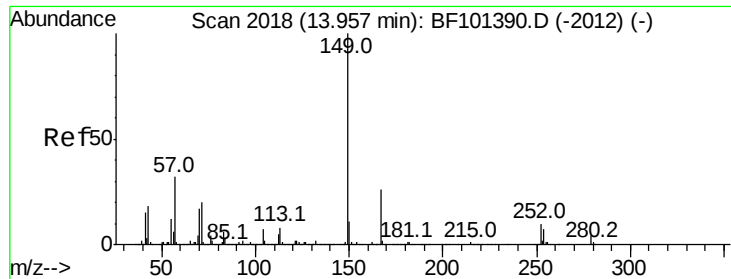
Sohil
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#82
Chrysene
Concen: 12.911 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	25.0	37.6
229	21.1	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 36.565 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF101924.D

Acq: 5 Jan 2018 12:46

Instrument :

BNA_F

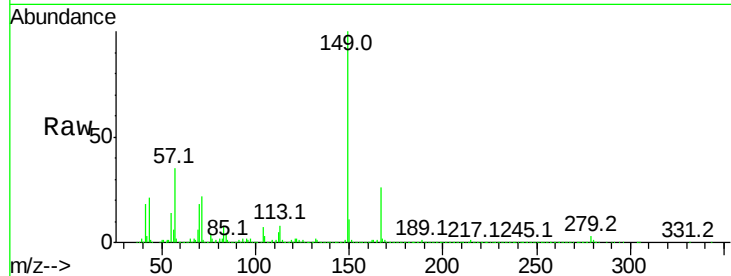
ClientSampleId :

B-1(5)

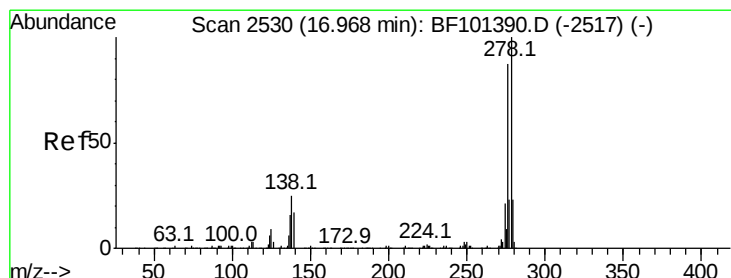
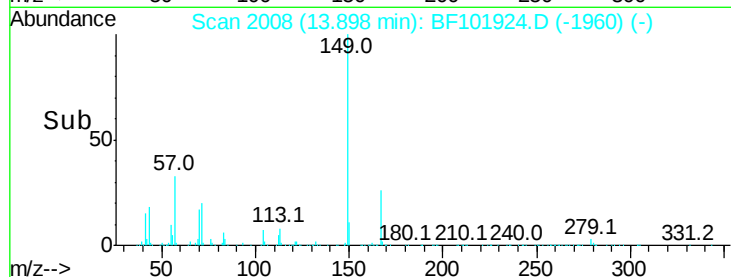
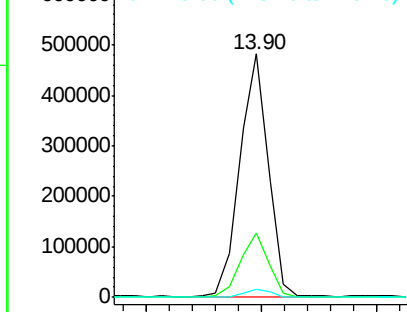
Tot Ion:	149	Resp:	410350
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.3	31.9
279	3.2	3.0	4.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.194 ng

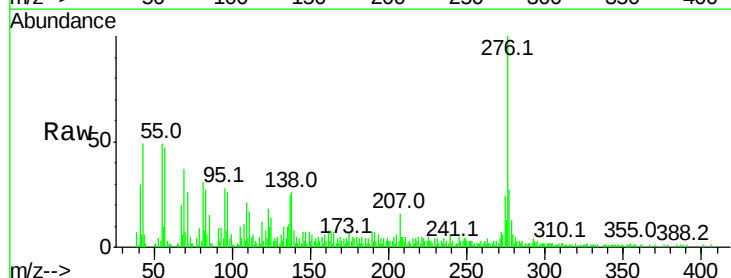
RT: 16.93 min Scan# 2524

Delta R.T. 0.01 min

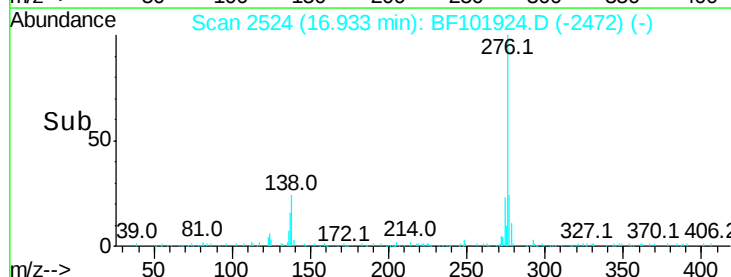
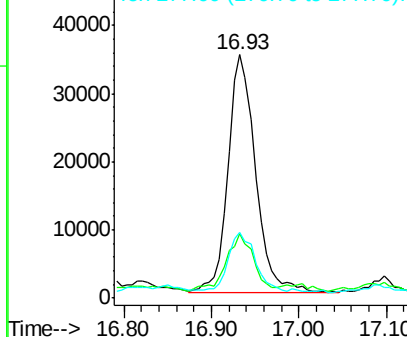
Lab File: BF101924.D

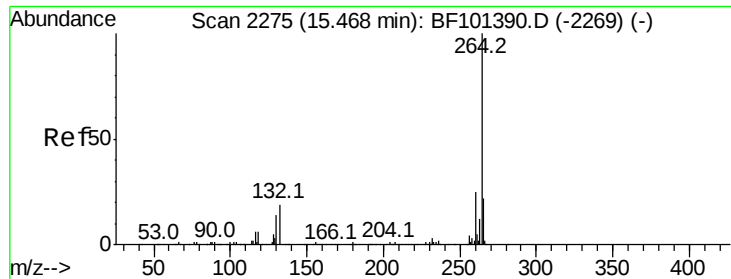
Acq: 5 Jan 2018 12:46

Tgt Ion:	276	Resp:	75240
Ion Ratio	Lower	Upper	
276	100		
138	23.9	25.0	37.6#
277	23.6	20.1	30.1



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





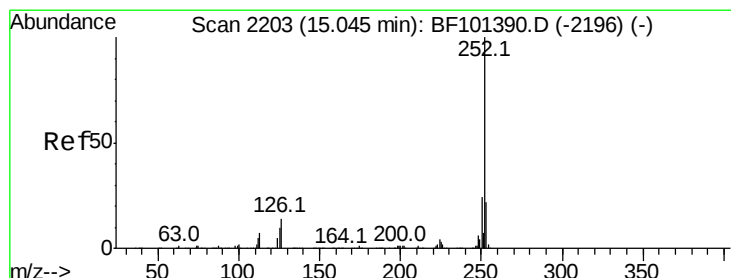
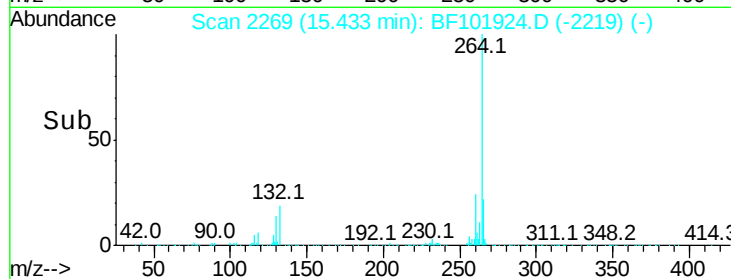
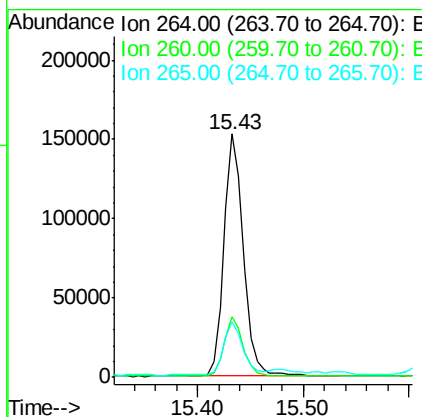
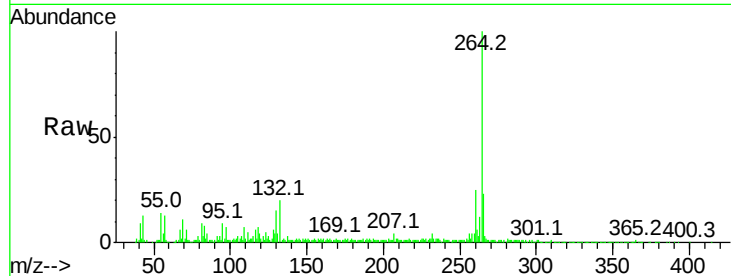
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Instrument :
BNA_F
ClientSampleId :
B-1(5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.7	17.5	26.3

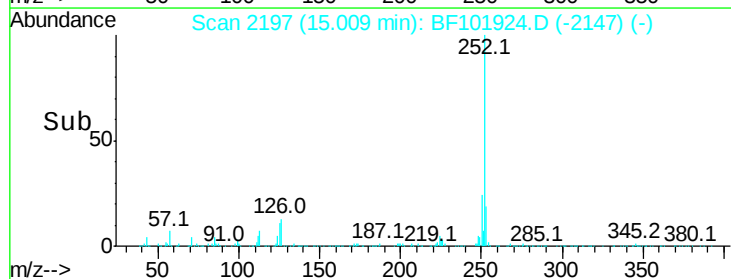
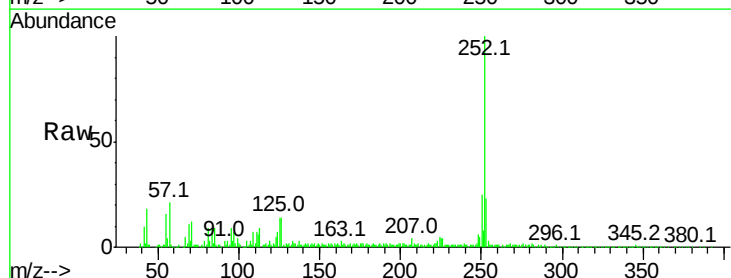
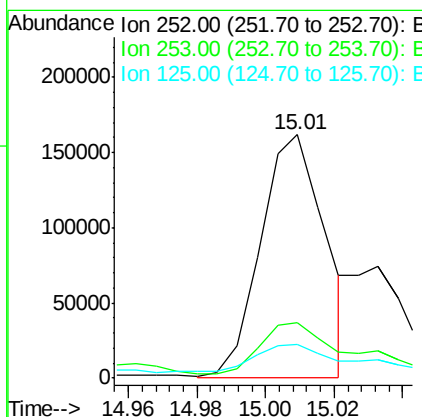
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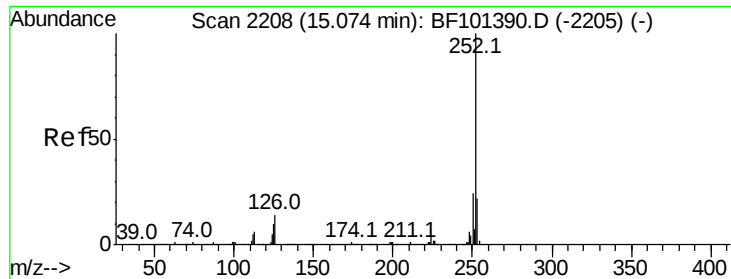
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#87
Benzo(b)fluoranthene
Concen: 17.796 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.7	9.0	13.6#





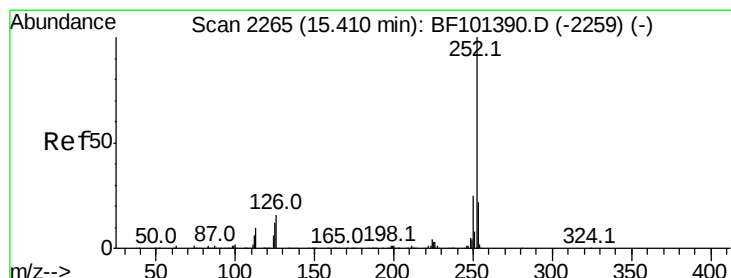
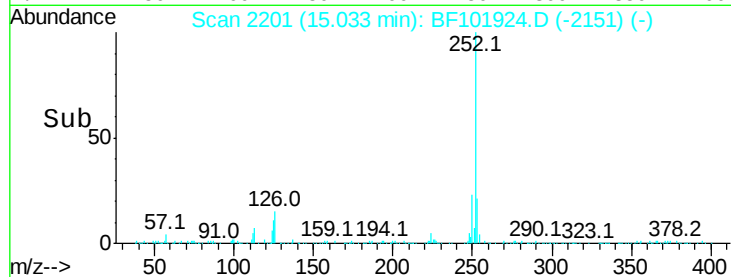
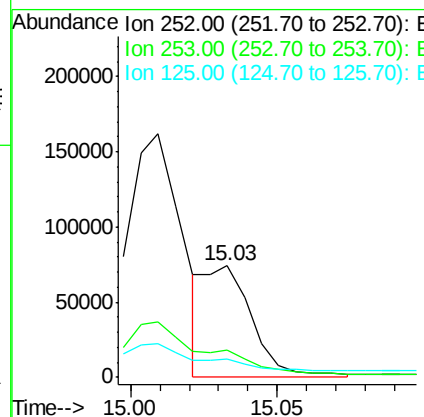
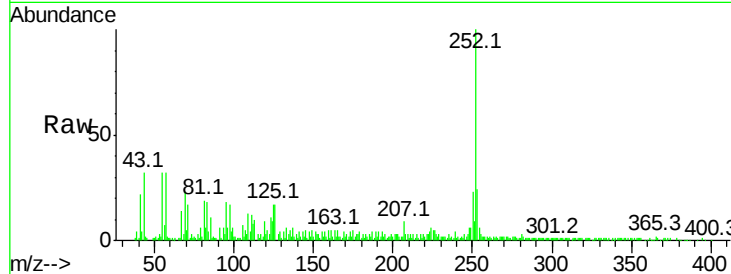
#88
Benzo(k)fluoranthene
Concen: 7.291 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Instrument :
BNA_F
ClientSampleId :
B-1(5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	16.8	10.2	15.2

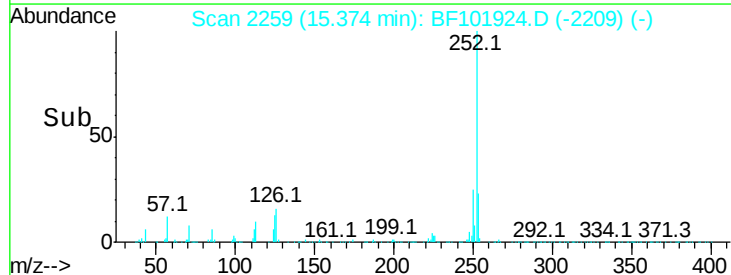
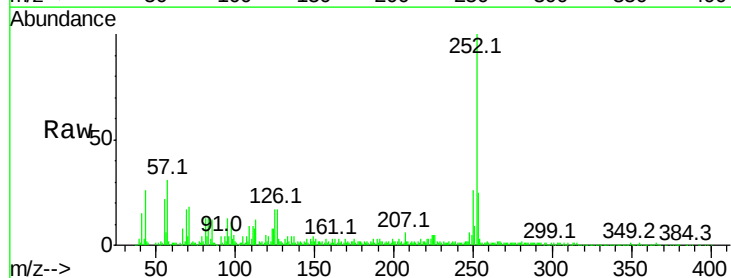
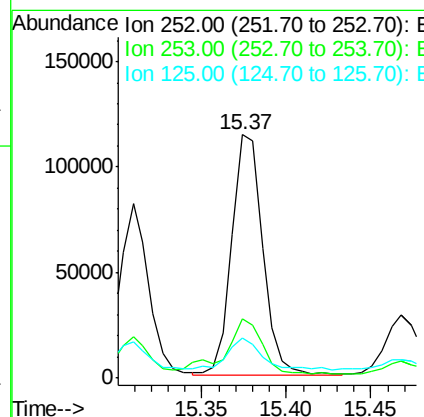
Manual Integrations
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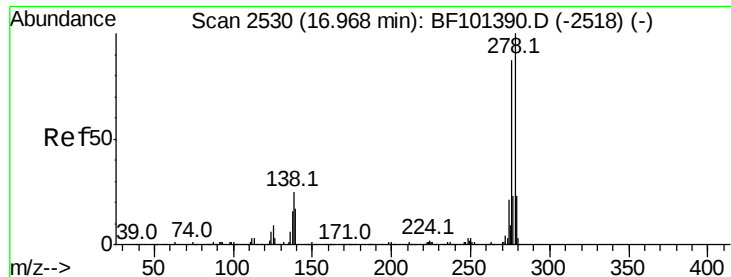
Sohil
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#89
Benzo(a)pyrene
Concen: 13.393 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	16.6	9.8	14.6





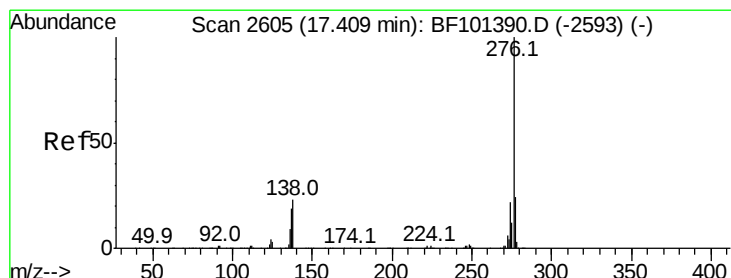
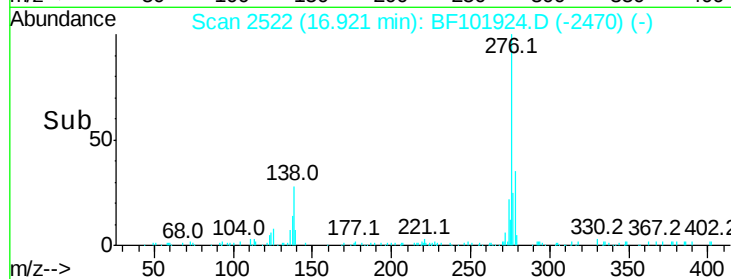
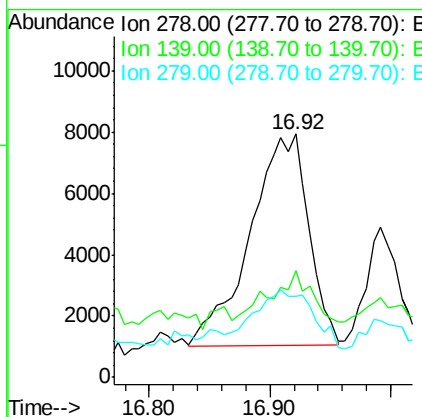
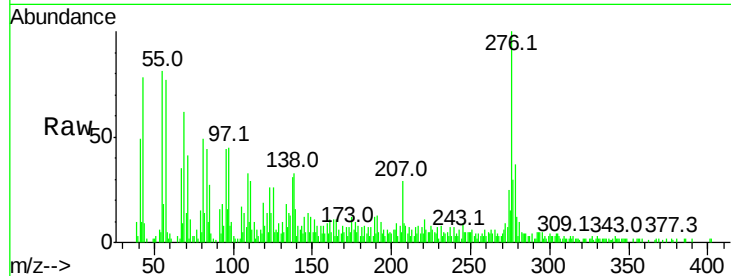
#90
Dibenzo(a,h)anthracene
Concen: 2.469 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Instrument :
BNA_F
ClientSampled :
B-1(5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	44.0	15.9	23.9#
279	33.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
1/8/2018 4:21:41 PM



#91
Benzo(g,h,i)perylene
Concen: 7.578 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.02 min
Lab File: BF101924.D
Acq: 5 Jan 2018 12:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	28.4	21.8	32.8

