

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
 Data File : BF101458.D
 Acq On : 15 Dec 2017 22:08
 Operator : SJ/JU
 Sample : I6875-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-03A-2

Manual Integrations
 APPROVED

Sohil
 12/18/2017 2:04:23 PM

Quant Time: Dec 18 09:45:58 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 17:36:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	179099	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	649998	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	243465	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	420072	20.00	ng	0.00
75) Chrysene-d12	14.00	240	350667	20.00	ng	0.00
86) Perylene-d12	15.47	264	315911	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1170709	97.37	ng	0.01
7) Phenol-d6	6.46	99	1392283	93.04	ng	0.00
23) Nitrobenzene-d5	7.39	82	818736	70.12	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	231418	98.64	ng	0.01
44) 2-Fluorobiphenyl	9.18	172	1032308	65.77	ng	0.00
78) Terphenyl-d14	12.93	244	861414	59.22	ng	0.00
Target Compounds						
10) Phenol	6.47	94	88501	5.189	ng	Qvalue 91
31) Naphthalene	8.12	128	79027	2.415	ng	# 84
37) 2-Methylnaphthalene	8.82	142	141422	6.633	ng	98
49) Dimethylphthalate	9.57	163	108184	5.524	ng	# 95
51) Acenaphthene	9.89	154	50102m	3.196	ng	
57) Fluorene	10.41	166	90024	5.341	ng	# 91
70) Phenanthrene	11.38	178	321169	13.748	ng	98
71) Anthracene	11.43	178	61578m	2.581	ng	
74) Fluoranthene	12.57	202	284263	11.593	ng	97
77) Pyrene	12.80	202	263268	10.004	ng	99
80) Benzo(a)anthracene	13.99	228	118617m	5.123	ng	
82) Chrysene	14.02	228	120969m	5.533	ng	
85) Indeno(1,2,3-cd)pyrene	16.96	276	47797	2.455	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	123707m	6.425	ng	
88) Benzo(k)fluoranthene	15.07	252	47227m	2.523	ng	
89) Benzo(a)pyrene	15.41	252	89679	5.052	ng	# 93
91) Benzo(g,h,i)perylene	17.41	276	47442	3.144	ng	95

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

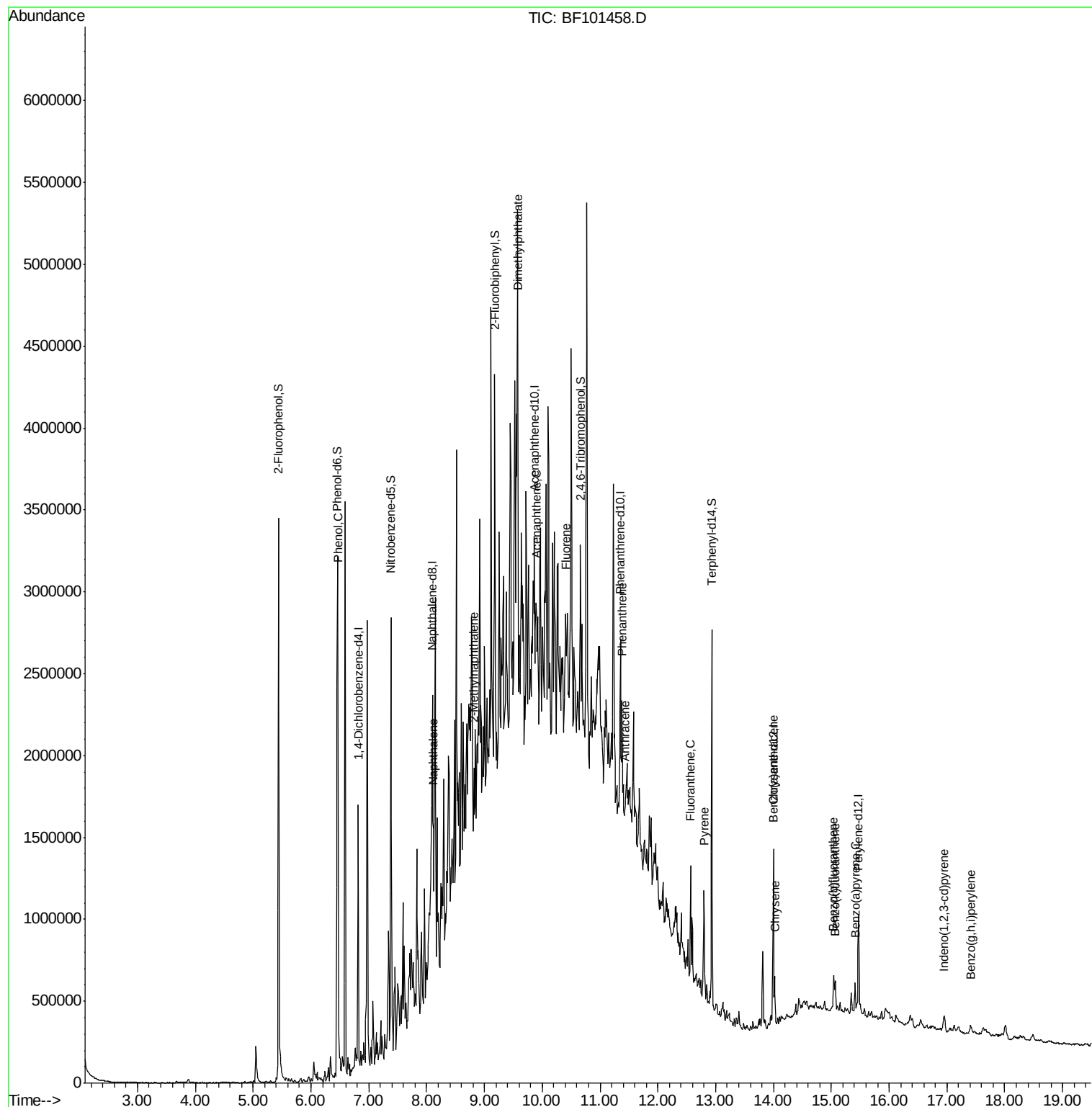
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121517\
Data File : BF101458.D
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ALS Vial : 21 Sample Multiplier: 1

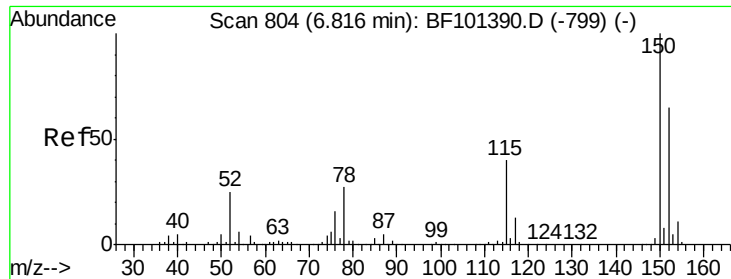
Instrument :
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#1

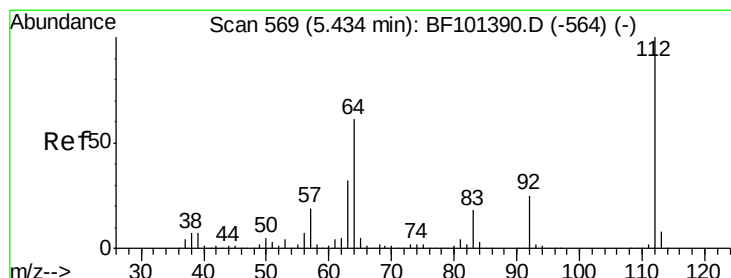
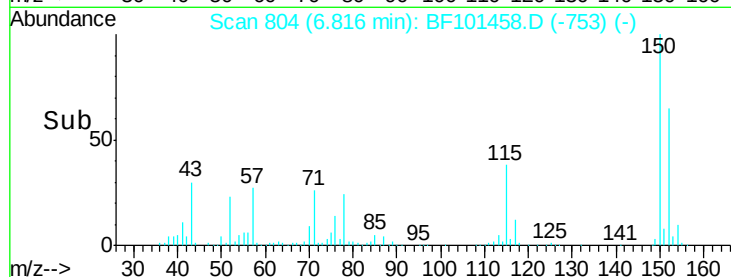
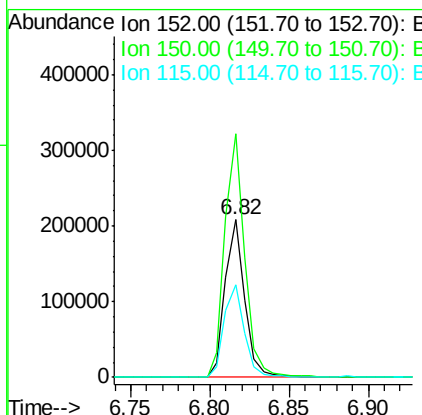
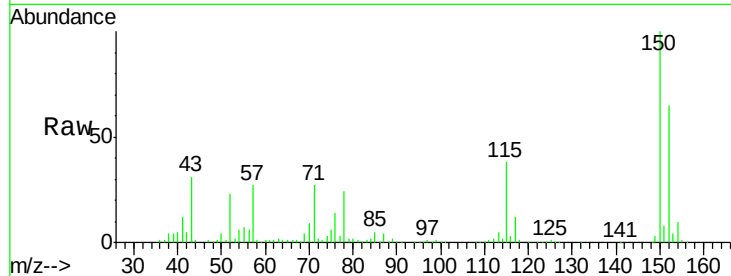
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	58.6	50.1	75.1

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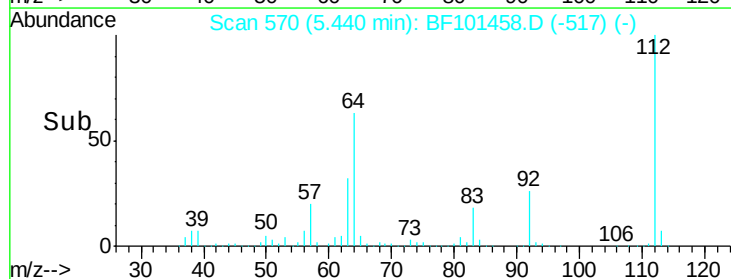
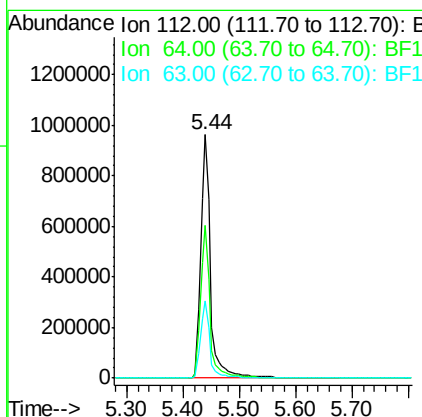
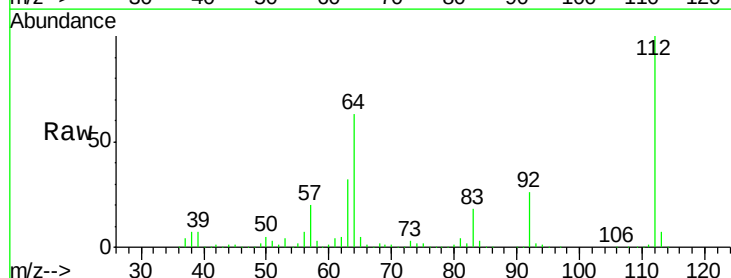
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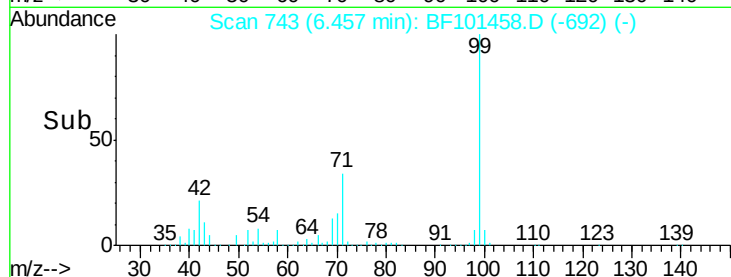
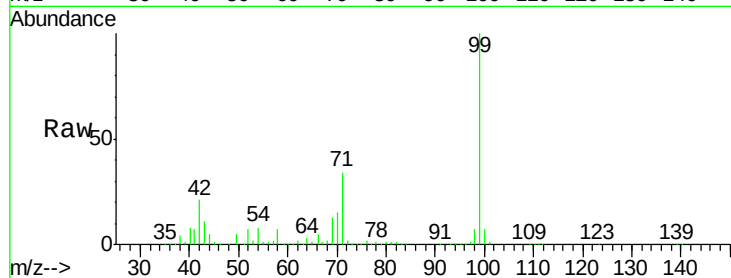
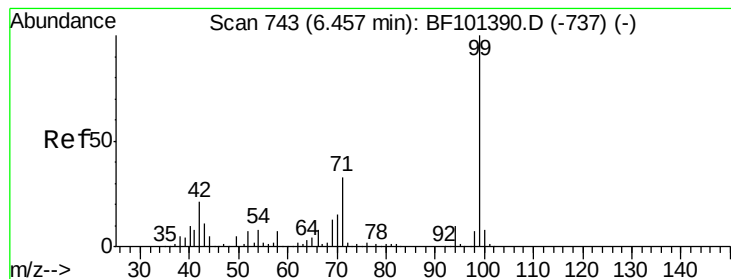


#5

2-Fluorophenol
Concen: 97.369 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 93.044 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

Tgt Ion: 99 Resp: 1392283

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

71 34.2 25.4 38.0

Instrument :

BNA_F

ClientSampled :

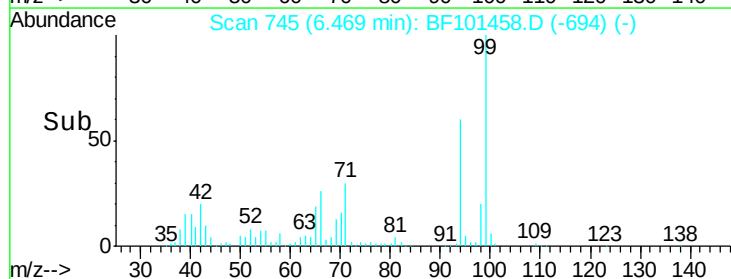
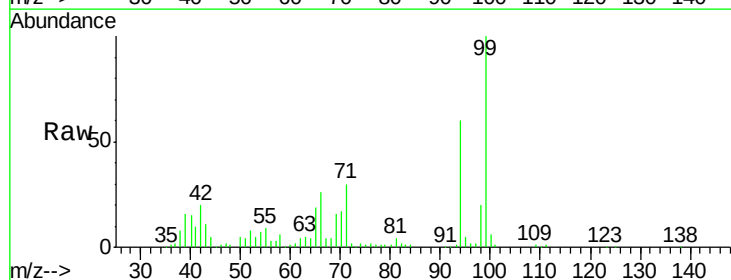
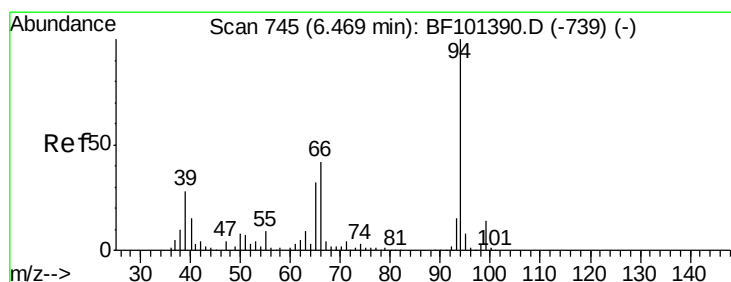
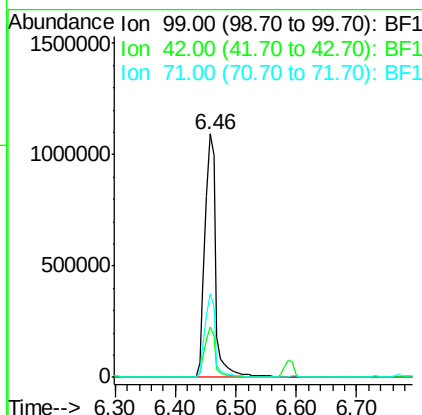
TP-03A-2

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#10

Phenol

Concen: 5.189 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

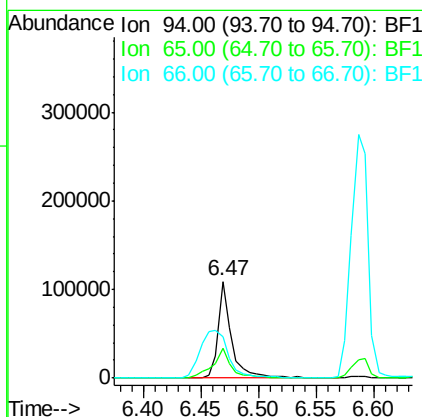
Tgt Ion: 94 Resp: 88501

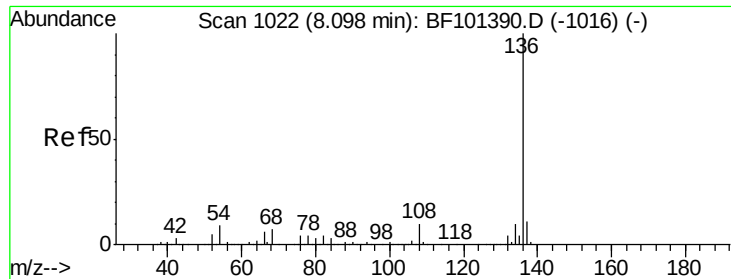
Ion Ratio Lower Upper

94 100

65 31.0 7.9 47.9

66 42.6 16.2 56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

Instrument :

BNA_F

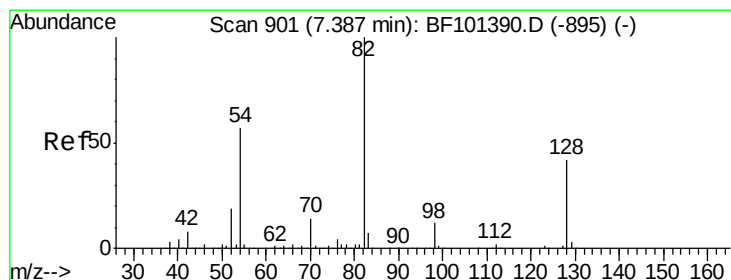
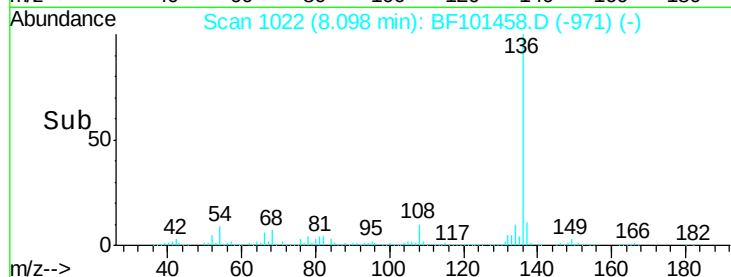
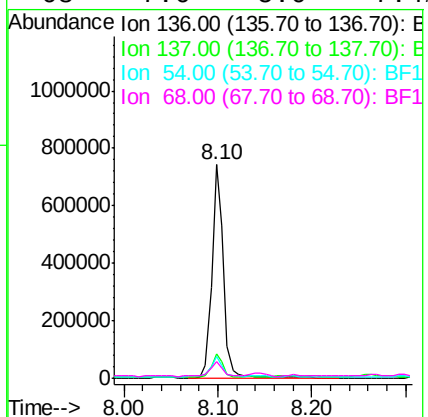
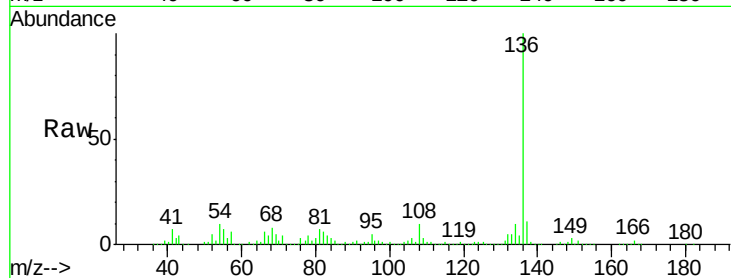
ClientSampled :

TP-03A-2

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.3	8.9	13.3
54	10.0	6.6	9.8#
68	7.6	5.0	7.4#

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#23

Nitrobenzene-d5

Concen: 70.117 ng

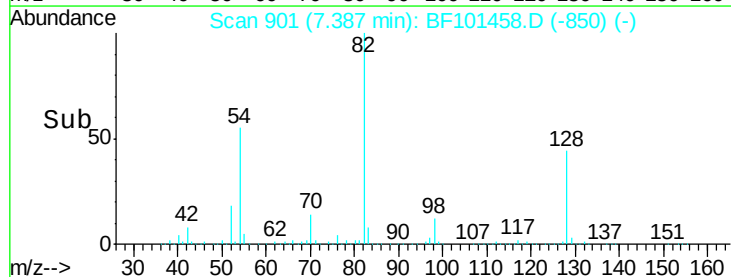
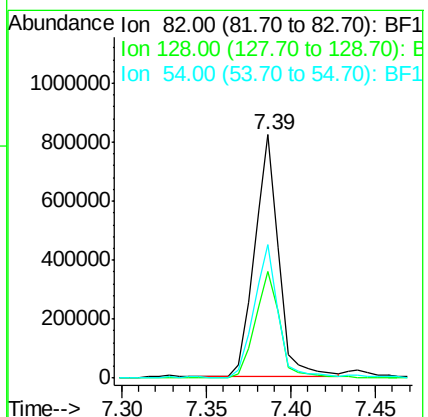
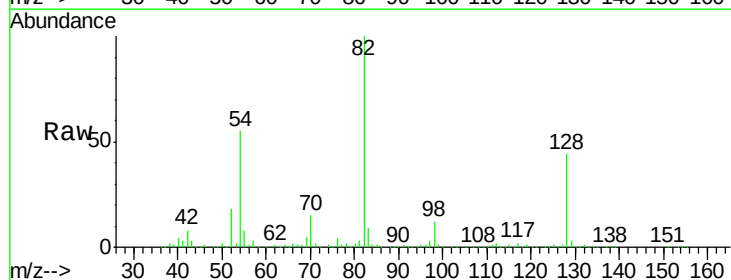
RT: 7.39 min Scan# 901

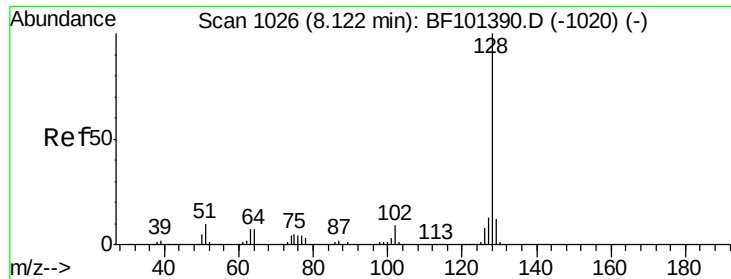
Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

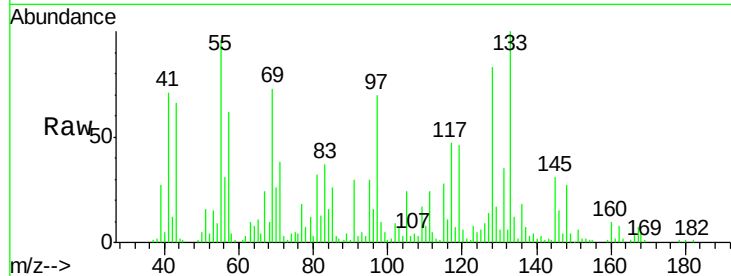
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	43.7	36.1	54.1
54	55.0	41.4	62.2





#31
Naphthalene
Concen: 2.415 ng
RT: 8.12 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

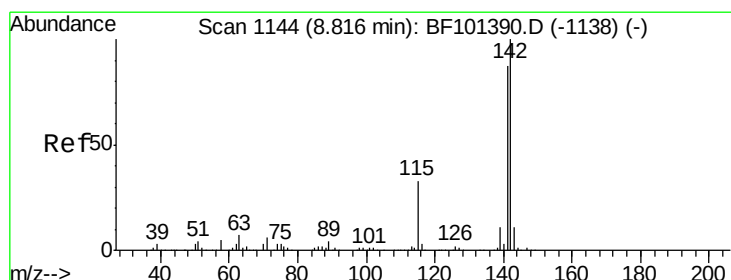
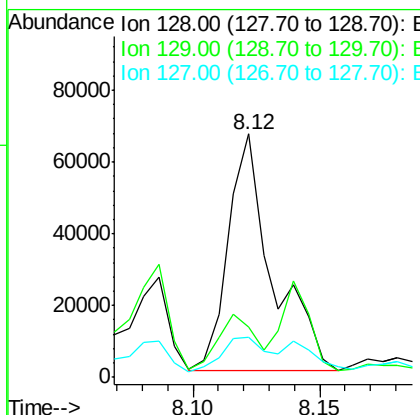
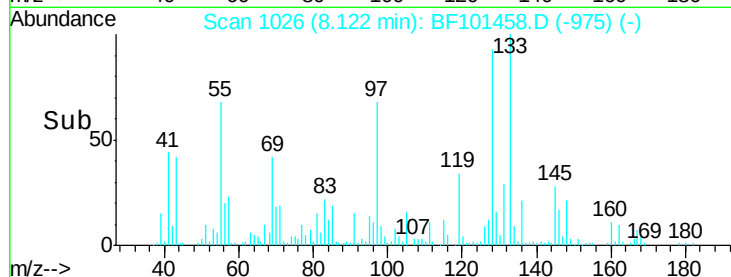
Instrument :
BNA_F
ClientSampleId :
TP-03A-2



Tgt Ion	Ratio	Resp	Lower	Upper
128	100	79027		
129	20.8	8.8	13.2#	
127	16.6	10.9	16.3#	

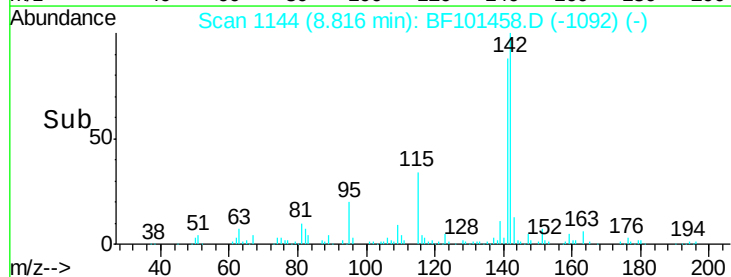
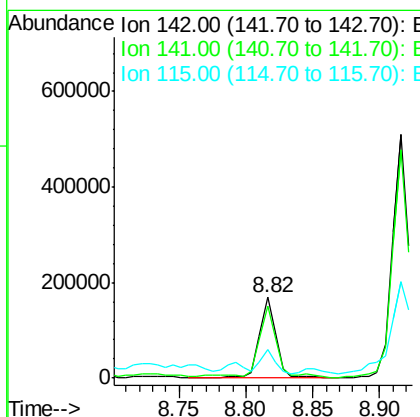
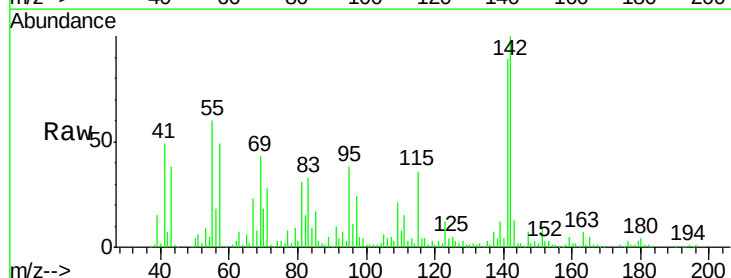
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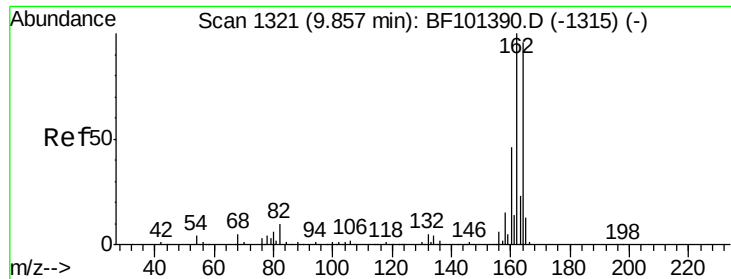
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#37
2-Methylnaphthalene
Concen: 6.633 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	141422		
141	89.1	70.8	106.2	
115	35.5	26.1	39.1	





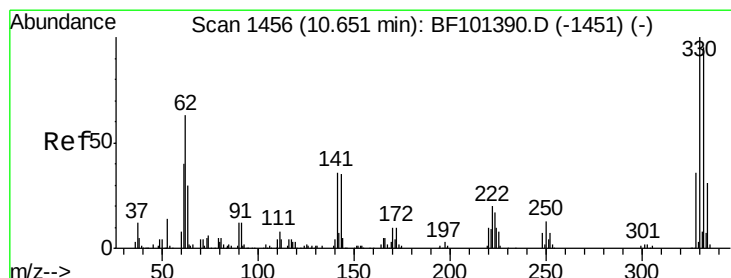
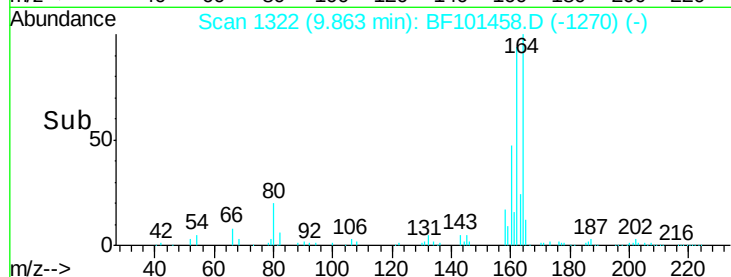
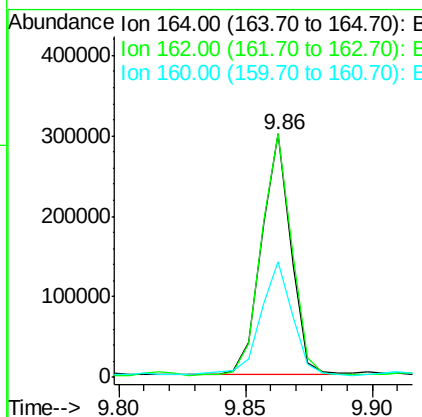
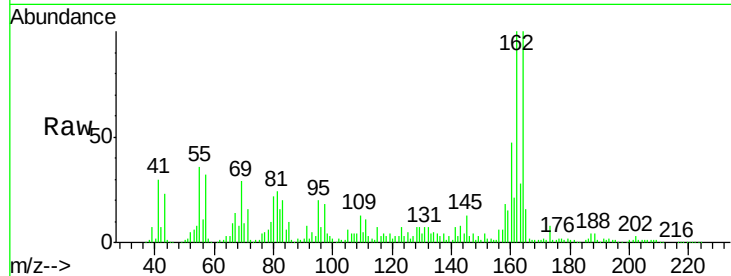
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	243465		
162	99.9	86.1	129.1	
160	47.2	38.3	57.5	

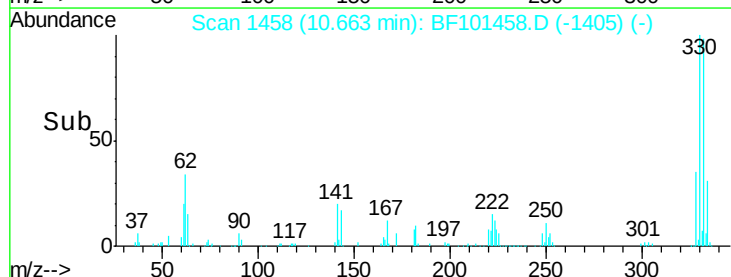
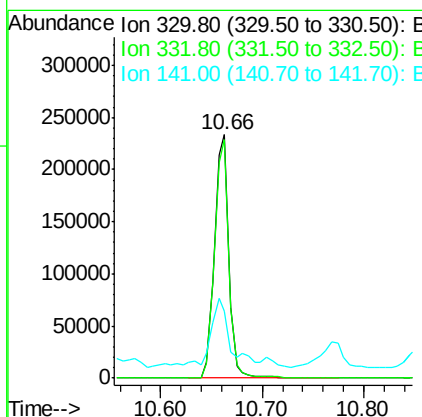
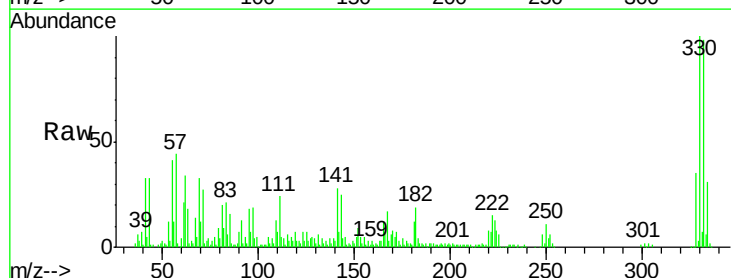
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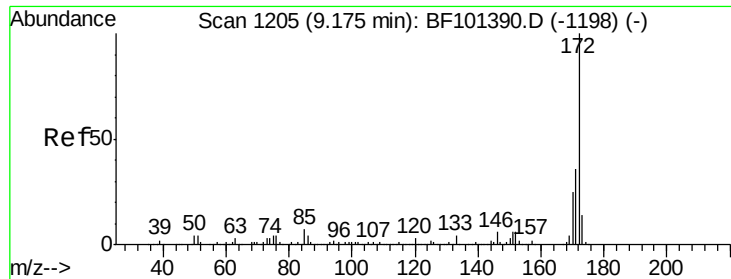
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#41
2,4,6-Tribromophenol
Concen: 98.645 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	231418		
332	97.6	77.0	115.6	
141	33.3	29.9	44.9	





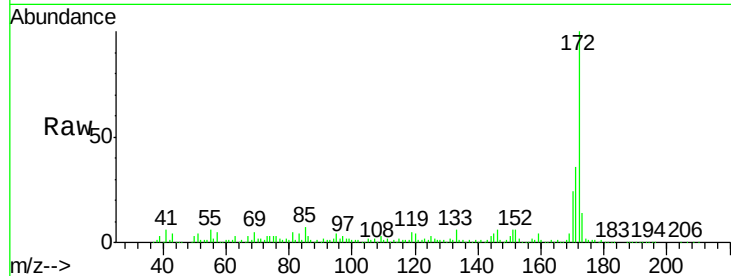
#44
2-Fluorobiphenyl
Concen: 65.774 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Instrument :
BNA_F
ClientSampled :
TP-03A-2

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.1	19.6	29.4

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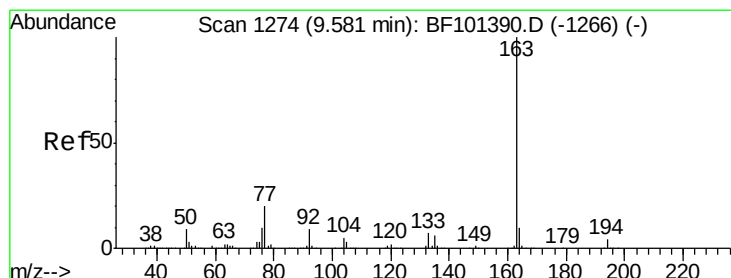
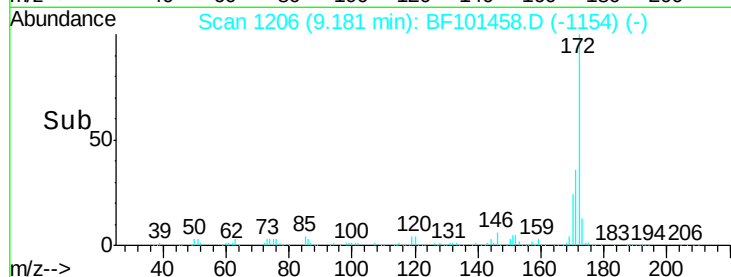
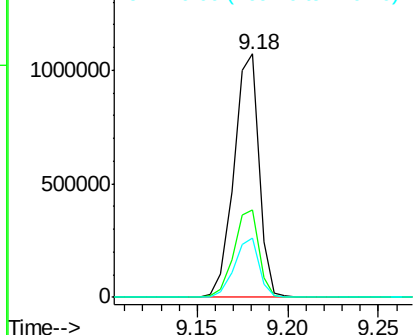


Abundance

Ion 172.00 (171.70 to 172.70): E

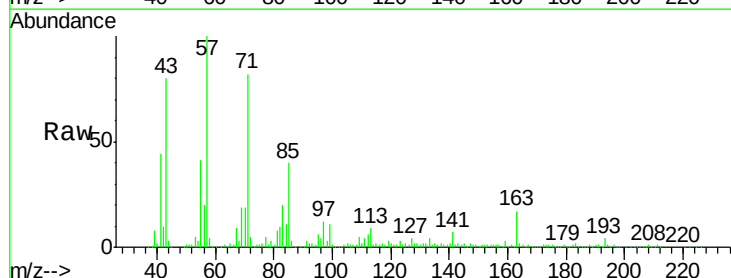
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 5.524 ng
RT: 9.57 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	8.2	2.7	4.1#
164	10.6	8.2	12.2

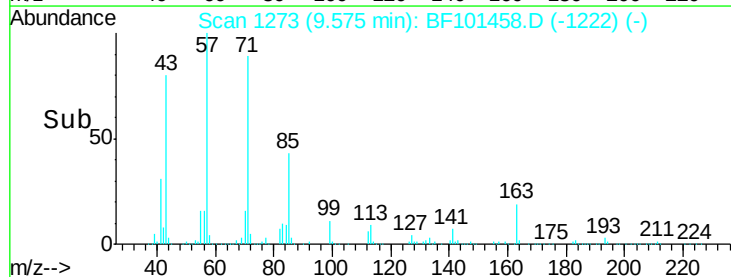
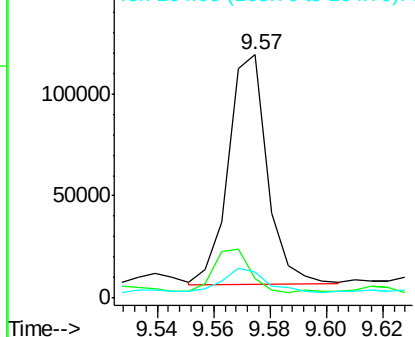


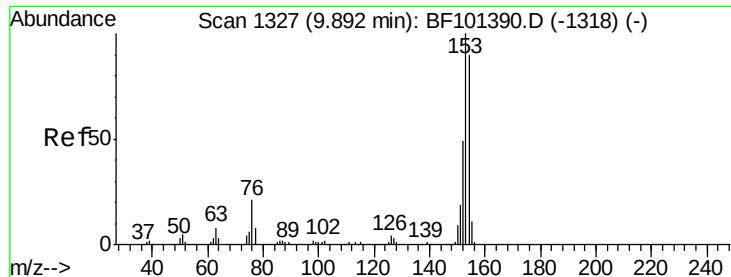
Abundance

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





#51

Acenaphthene

Concen: 3.196 ng m

RT: 9.89 min Scan# 1327

Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

Instrument :

BNA_F

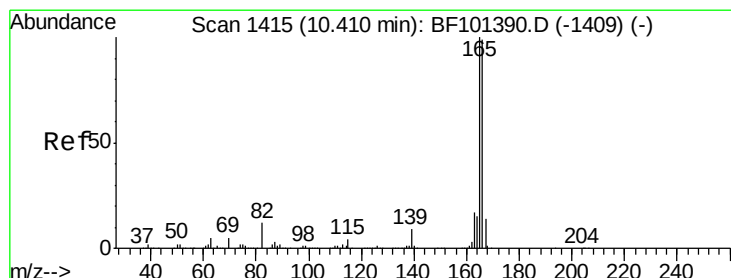
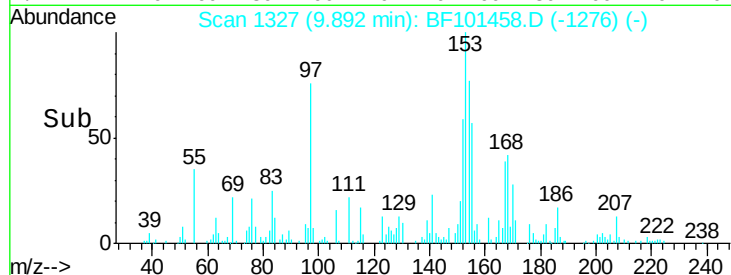
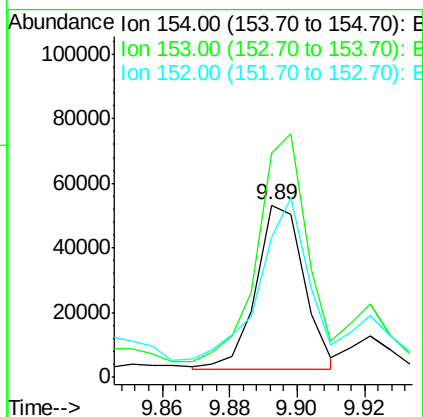
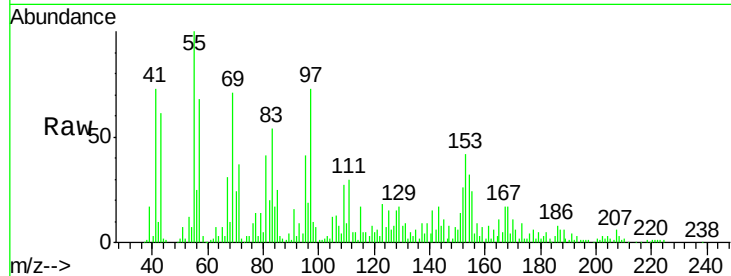
ClientSampled :

TP-03A-2

Tgt Ion:	154	Resp:	50102
Ion Ratio	Lower	Upper	
154	100		
153	129.9	91.2	136.8
152	81.0	43.8	65.8#

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#57

Fluorene

Concen: 5.341 ng

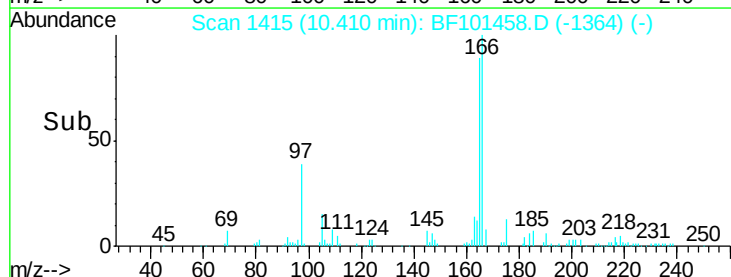
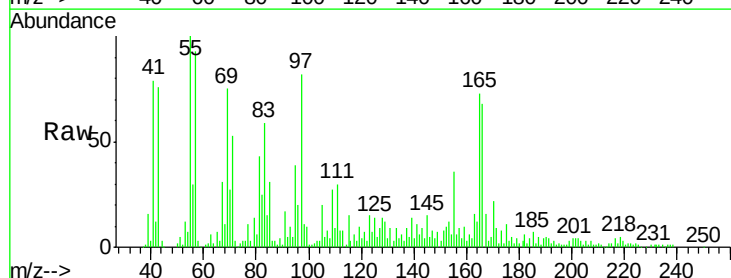
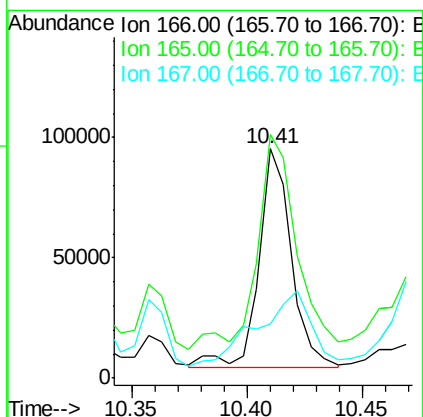
RT: 10.41 min Scan# 1415

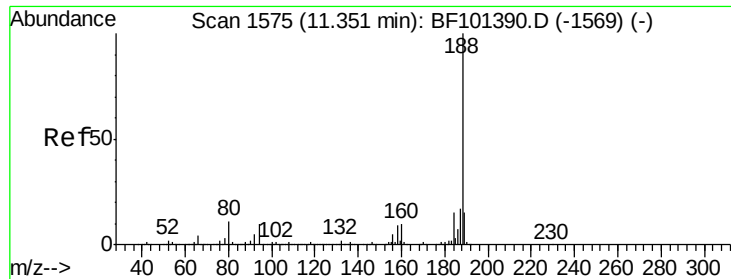
Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

Tgt Ion:	166	Resp:	90024
Ion Ratio	Lower	Upper	
166	100		
165	106.1	79.8	119.8
167	23.6	10.6	16.0#





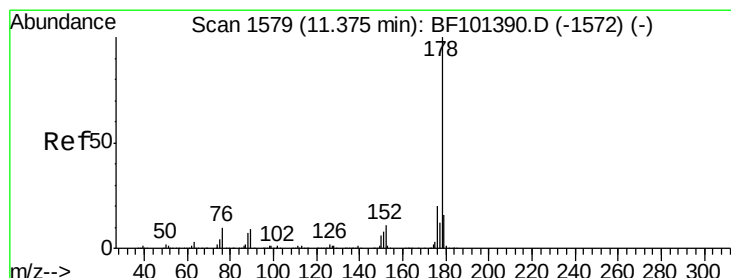
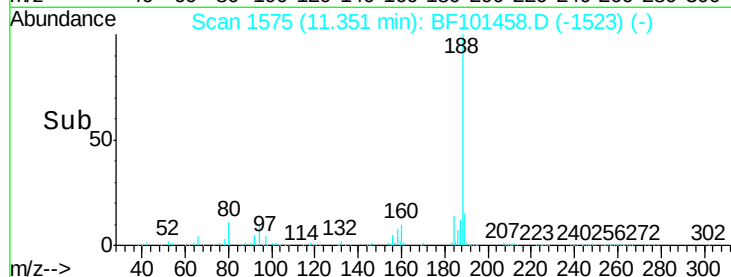
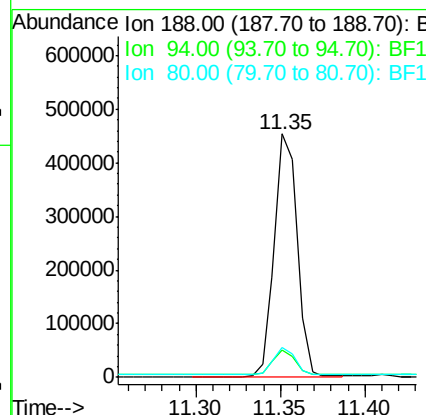
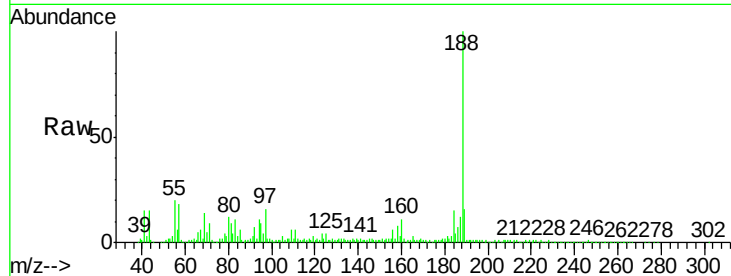
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	420072		
94	11.4	8.5	12.7	
80	12.5	9.2	13.8	

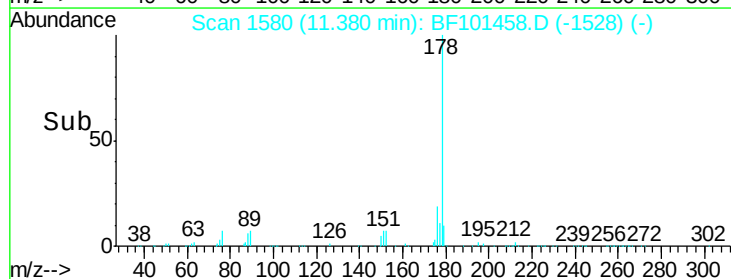
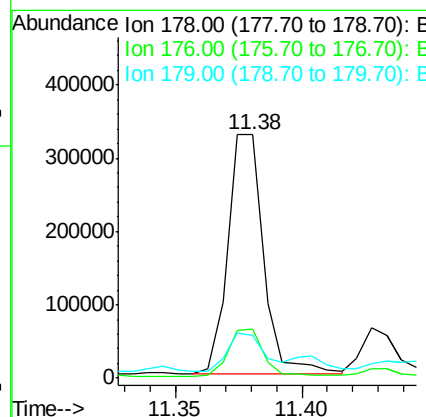
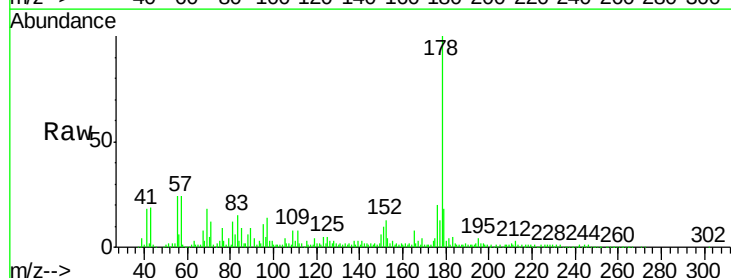
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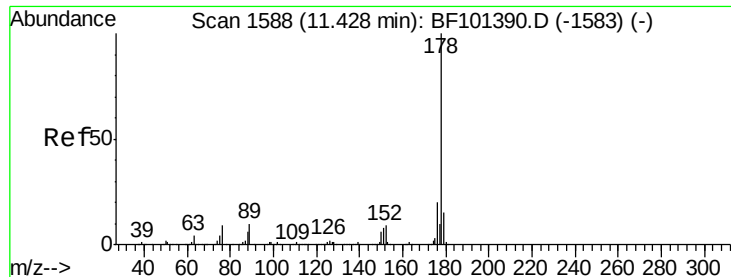
Sohil
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#70
Phenanthrene
Concen: 13.748 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	321169		
176	20.2	15.8	23.8	
179	17.6	13.0	19.6	





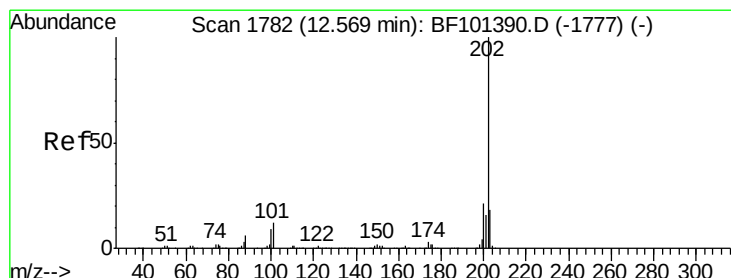
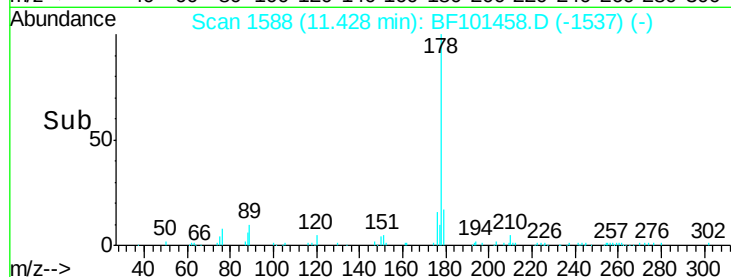
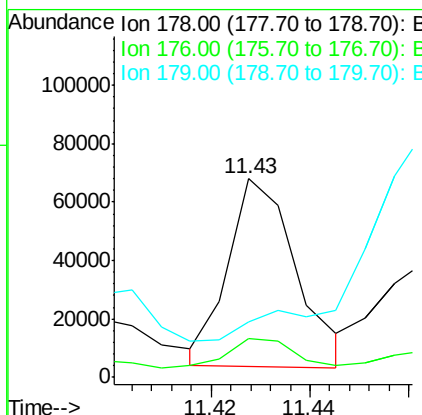
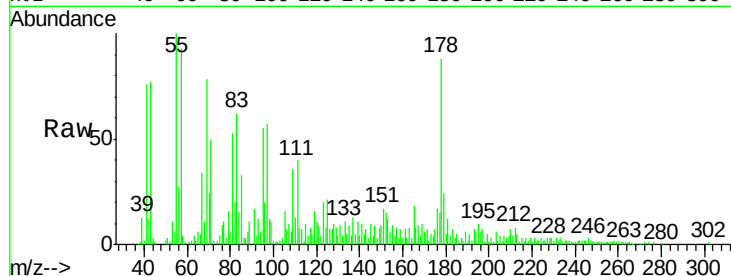
#71
 Anthracene
 Concen: 2.581 ng m
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF101458.D
 Acq: 15 Dec 2017 22:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-03A-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	28.0	12.6	19.0

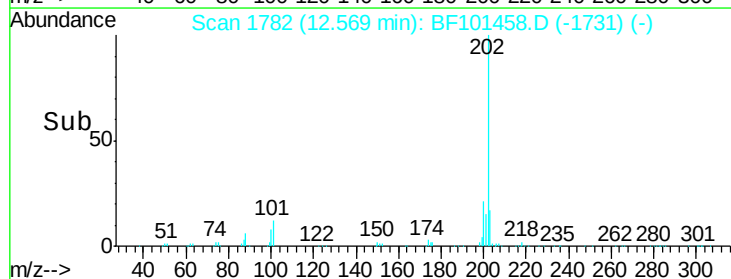
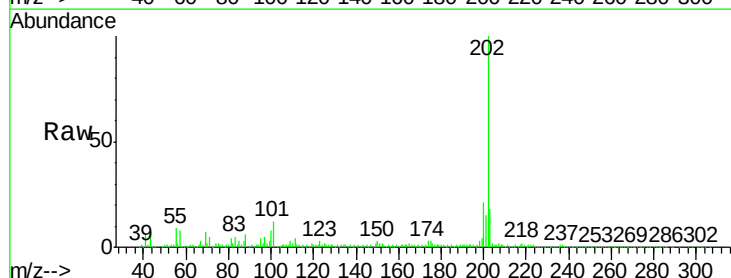
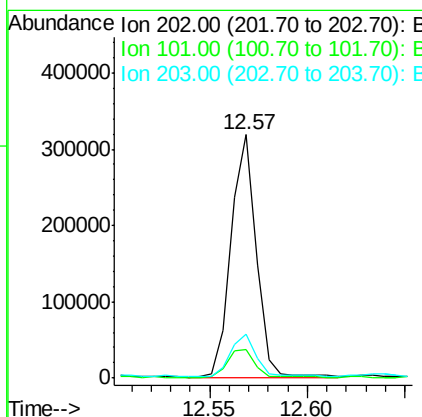
Manual Integrations
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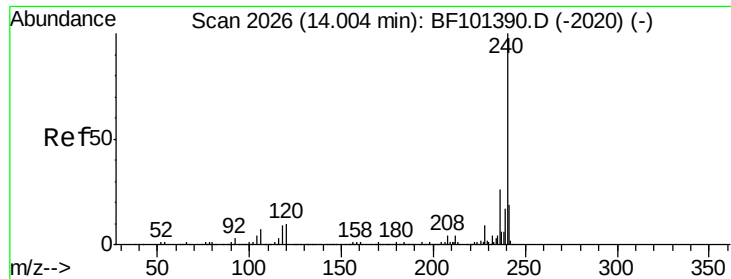
Sohil
 12/18/2017 2:04:23 PM



#74
 Fluoranthene
 Concen: 11.593 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BF101458.D
 Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

Instrument :

BNA_F

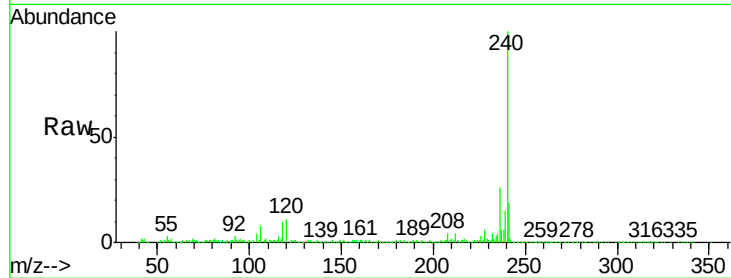
ClientSampled :

TP-03A-2

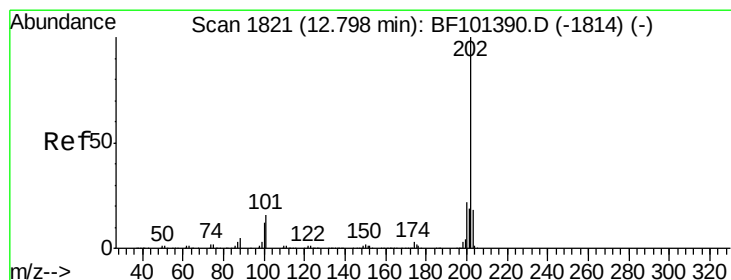
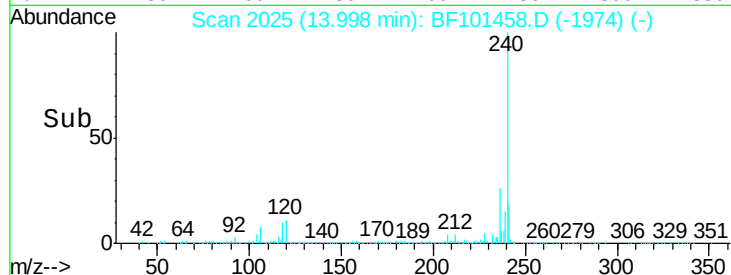
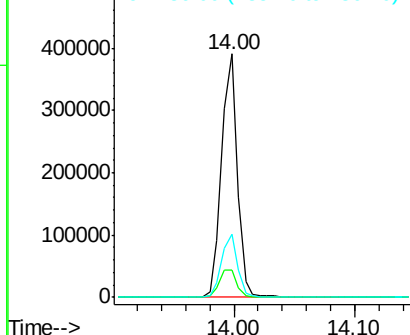
Tgt Ion:	240	Resp:	350667
Ion Ratio	Lower	Upper	
240	100		
120	11.5	9.5	14.3
236	25.7	20.7	31.1

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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

Pyrene

Concen: 10.004 ng

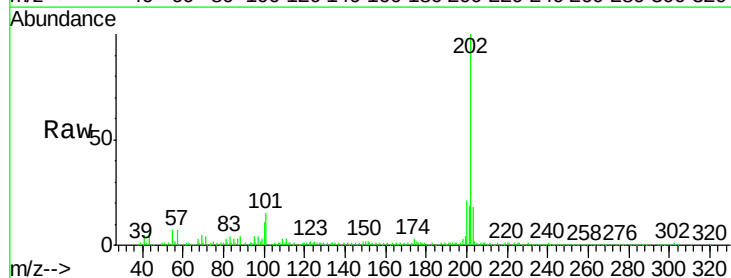
RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

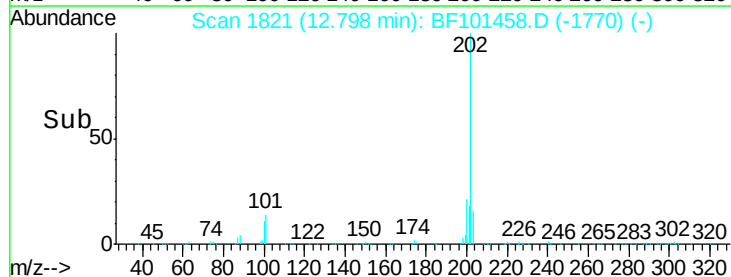
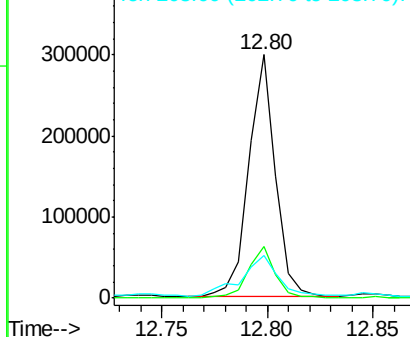
Lab File: BF101458.D

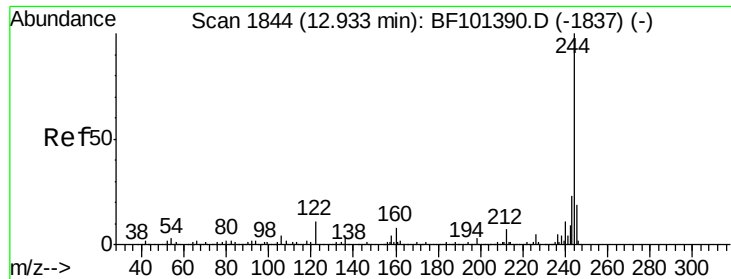
Acq: 15 Dec 2017 22:08

Tgt Ion:	202	Resp:	263268
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.7	14.3	21.5



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: 59.221 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

Instrument :

BNA_F

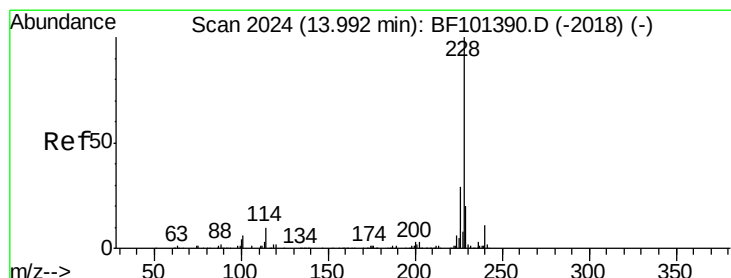
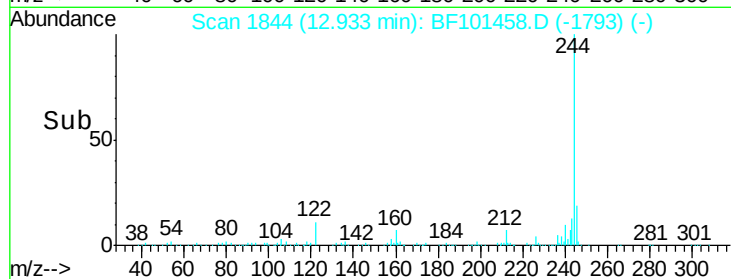
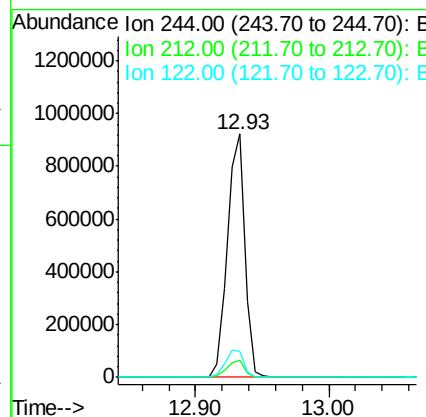
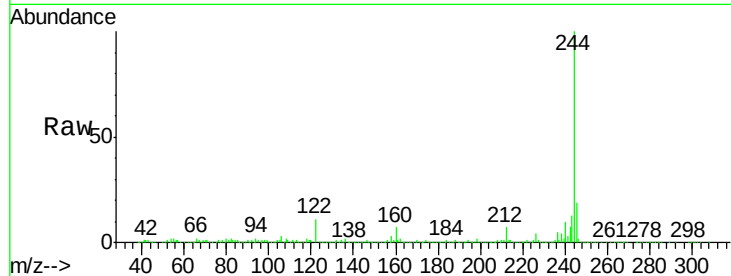
ClientSampleId :

TP-03A-2

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 5.123 ng m

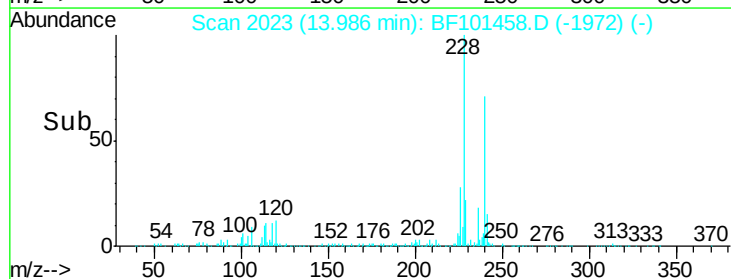
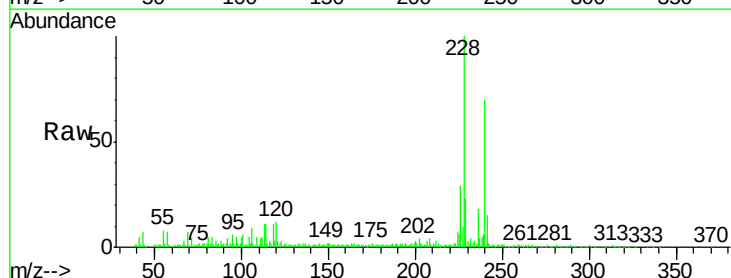
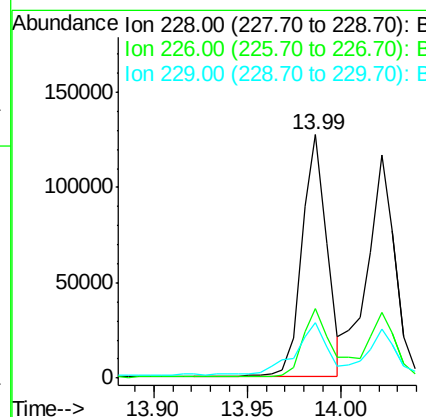
RT: 13.99 min Scan# 2023

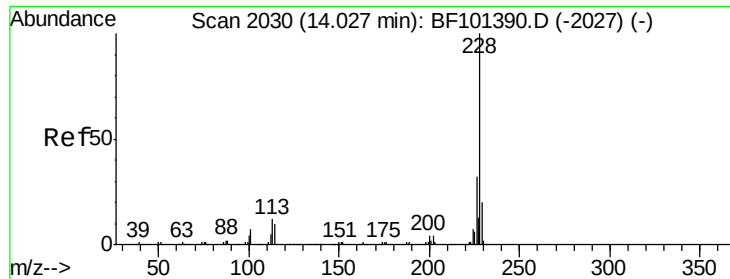
Delta R.T. 0.00 min

Lab File: BF101458.D

Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	22.8	15.8	23.6





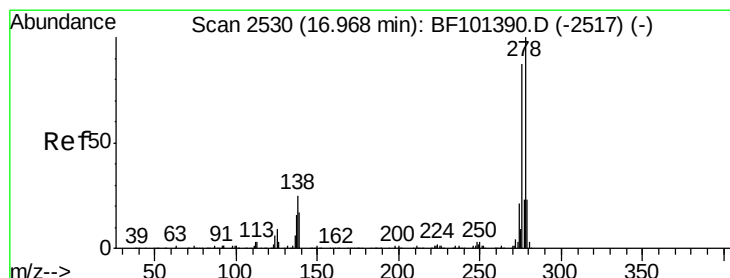
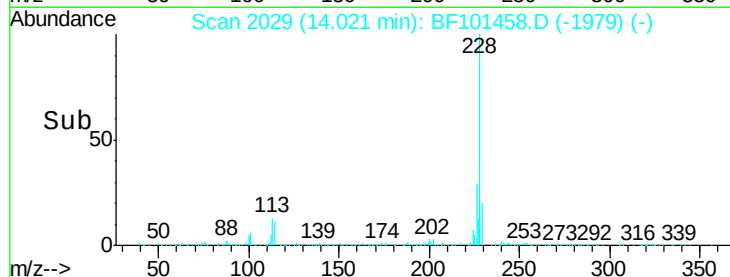
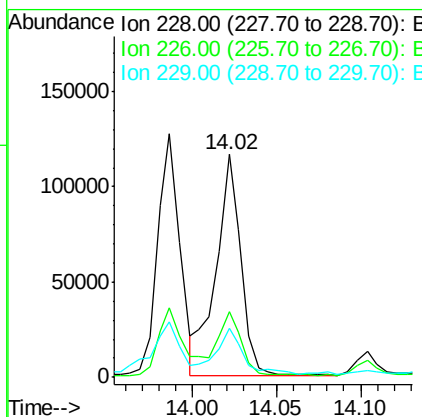
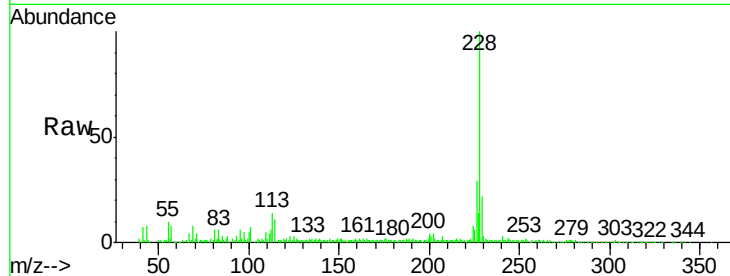
#82
Chrysene
Concen: 5.533 ng m
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	120969		
226	29.4	25.0	37.6	
229	22.3	16.2	24.4	

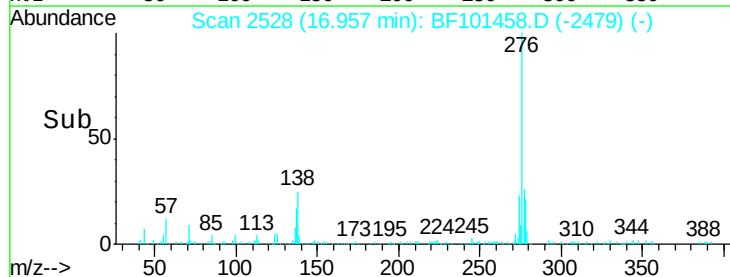
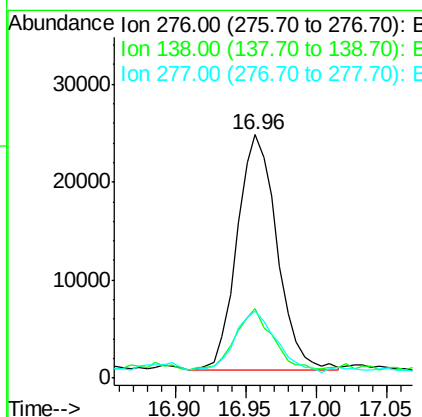
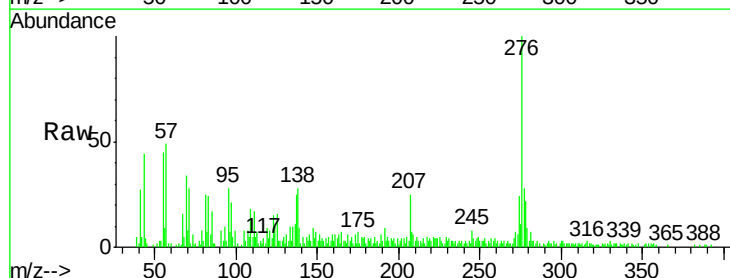
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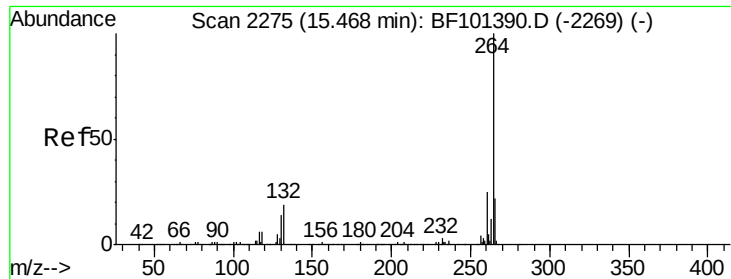
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.455 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	47797		
138	24.7	25.0	37.6#	
277	27.3	20.1	30.1	





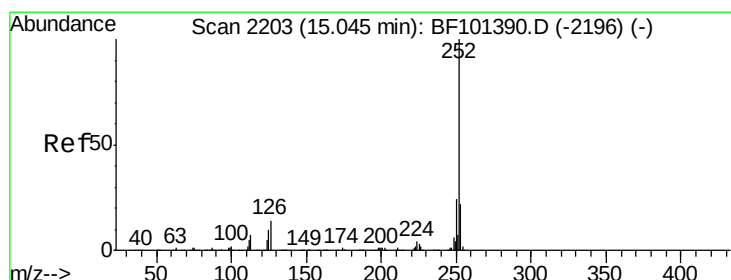
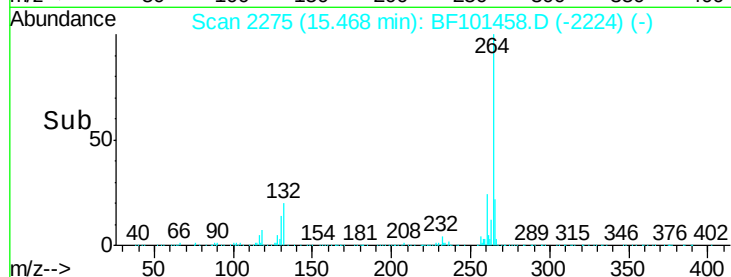
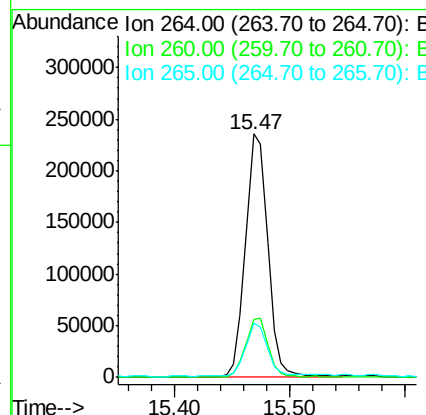
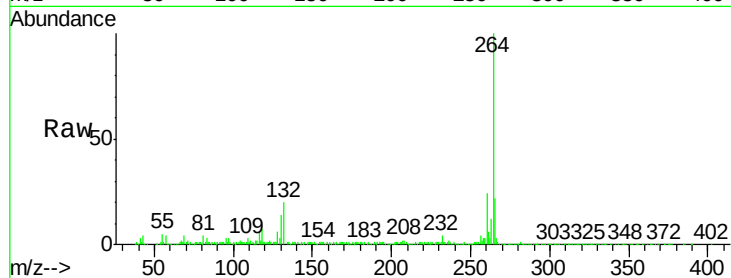
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.0	17.5	26.3

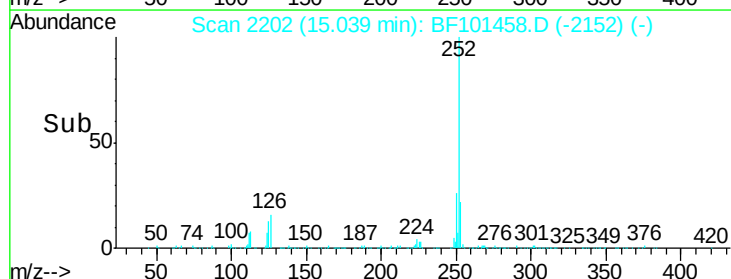
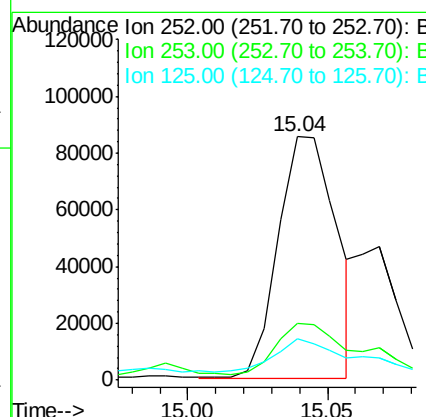
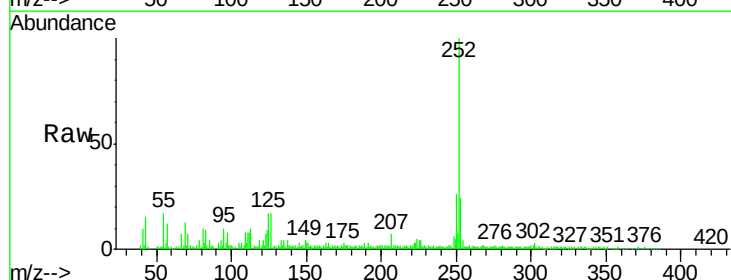
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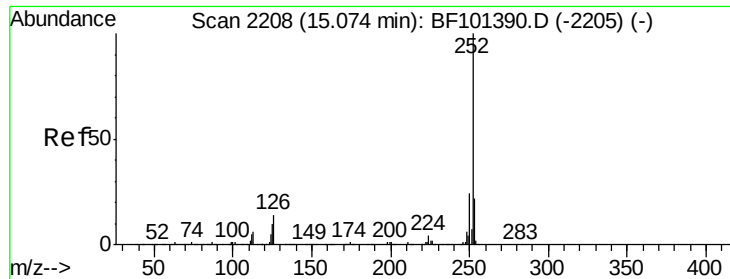
Sohil
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#87
Benzo(b)fluoranthene
Concen: 6.425 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	16.9	9.0	13.6#





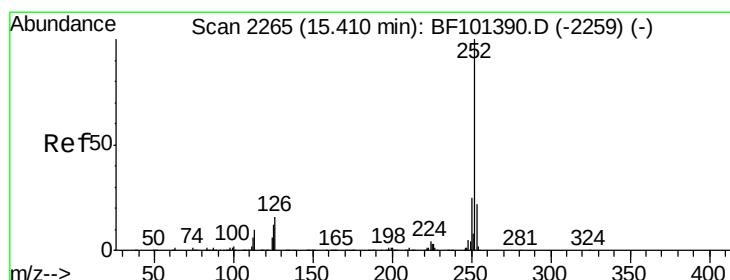
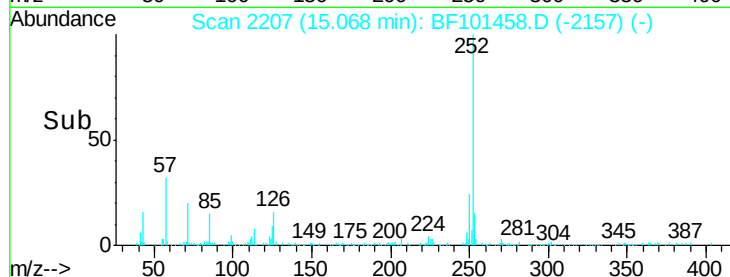
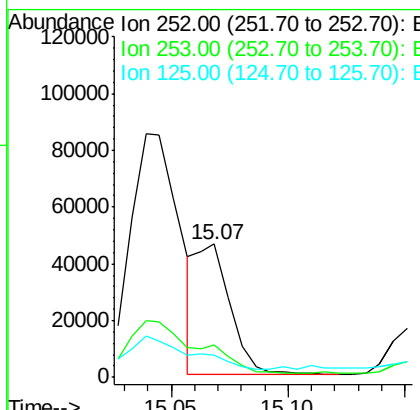
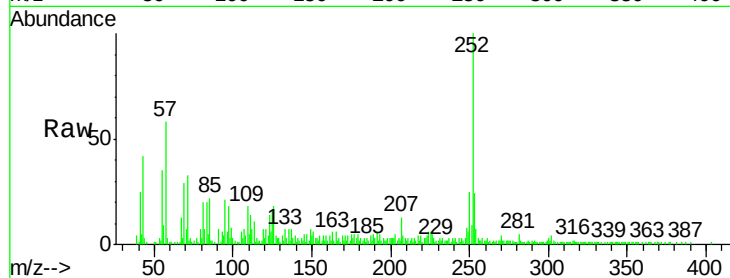
#88
Benzo(k)fluoranthene
Concen: 2.523 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Instrument :
BNA_F
ClientSampleId :
TP-03A-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	16.3	10.2	15.2

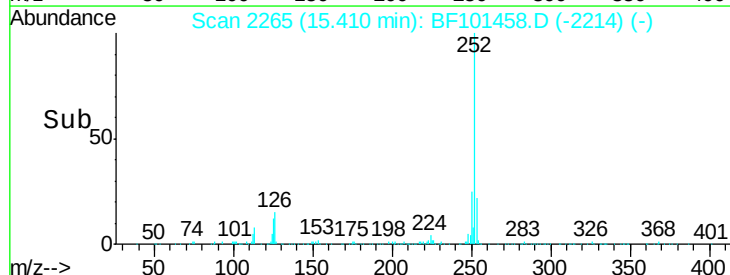
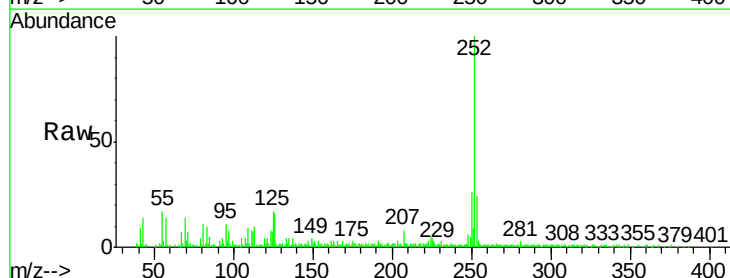
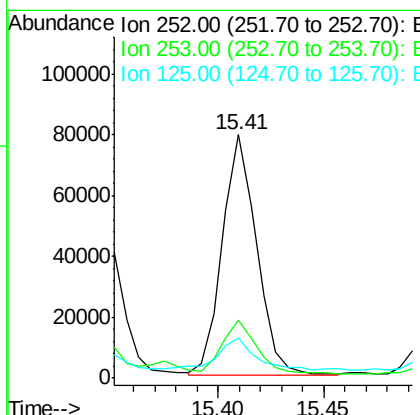
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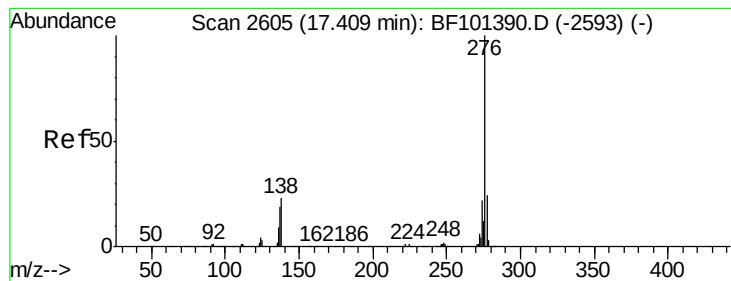
Sohil
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#89
Benzo(a)pyrene
Concen: 5.052 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF101458.D
Acq: 15 Dec 2017 22:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	16.6	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 3.144 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.01 min

Lab File: BF101458.D

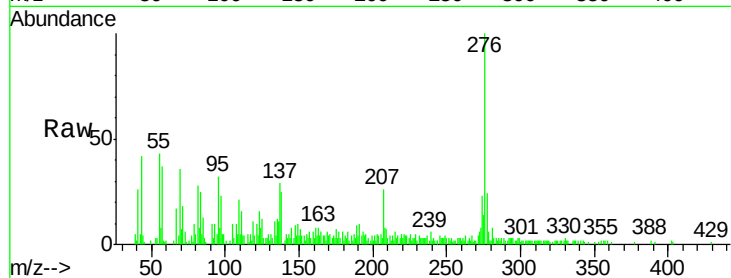
Acq: 15 Dec 2017 22:08

Instrument :

BNA_F

ClientSampleId :

TP-03A-2



Tgt Ion:	276	Resp:	47442
Ion Ratio		Lower	Upper
276	100		
277	24.3	17.9	26.9
138	24.7	21.8	32.8

Manual Integrations
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Sohil
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