

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101479.D
 Acq On : 18 Dec 2017 14:36
 Operator : SJ/JU
 Sample : I6877-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Manual Integrations
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Quant Time: Dec 18 16:03:59 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	166318	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	675239	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	295305	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	493579	20.00	ng	0.00
75) Chrysene-d12	13.99	240	283707	20.00	ng	0.00
86) Perylene-d12	15.46	264	322812	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1181326	105.80	ng	0.01
7) Phenol-d6	6.45	99	1475547	106.19	ng	0.00
23) Nitrobenzene-d5	7.38	82	974701	80.35	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	303824	106.77	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1428101	75.02	ng	0.00
78) Terphenyl-d14	12.92	244	989878	84.11	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.46	94	73946	4.669	ng	96
31) Naphthalene	8.11	128	88170	2.594	ng	99
48) Acenaphthylene	9.71	152	77045	2.434	ng	98
49) Dimethylphthalate	9.56	163	145475	6.124	ng	100
51) Acenaphthene	9.87	154	75468	3.969	ng	96
54) Dibenzofuran	10.05	168	59257	2.452	ng	# 98
57) Fluorene	10.39	166	68509	3.351	ng	99
70) Phenanthrene	11.36	178	937381	34.150	ng	99
71) Anthracene	11.41	178	300116	10.704	ng	99
72) Carbazole	11.57	167	76581	2.917	ng	99
74) Fluoranthene	12.56	202	1367778	47.474	ng	98
77) Pyrene	12.79	202	1300224	61.066	ng	99
80) Benzo(a)anthracene	13.97	228	685453	36.589	ng	99
82) Chrysene	14.02	228	604192	34.158	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	413981	26.283	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	855462m	43.477	ng	
88) Benzo(k)fluoranthene	15.06	252	253633m	13.258	ng	
89) Benzo(a)pyrene	15.40	252	671389	37.014	ng	96
90) Dibenzo(a,h)anthracene	16.93	278	104663m	6.721	ng	
91) Benzo(g,h,i)perylene	17.39	276	389917	25.285	ng	96

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

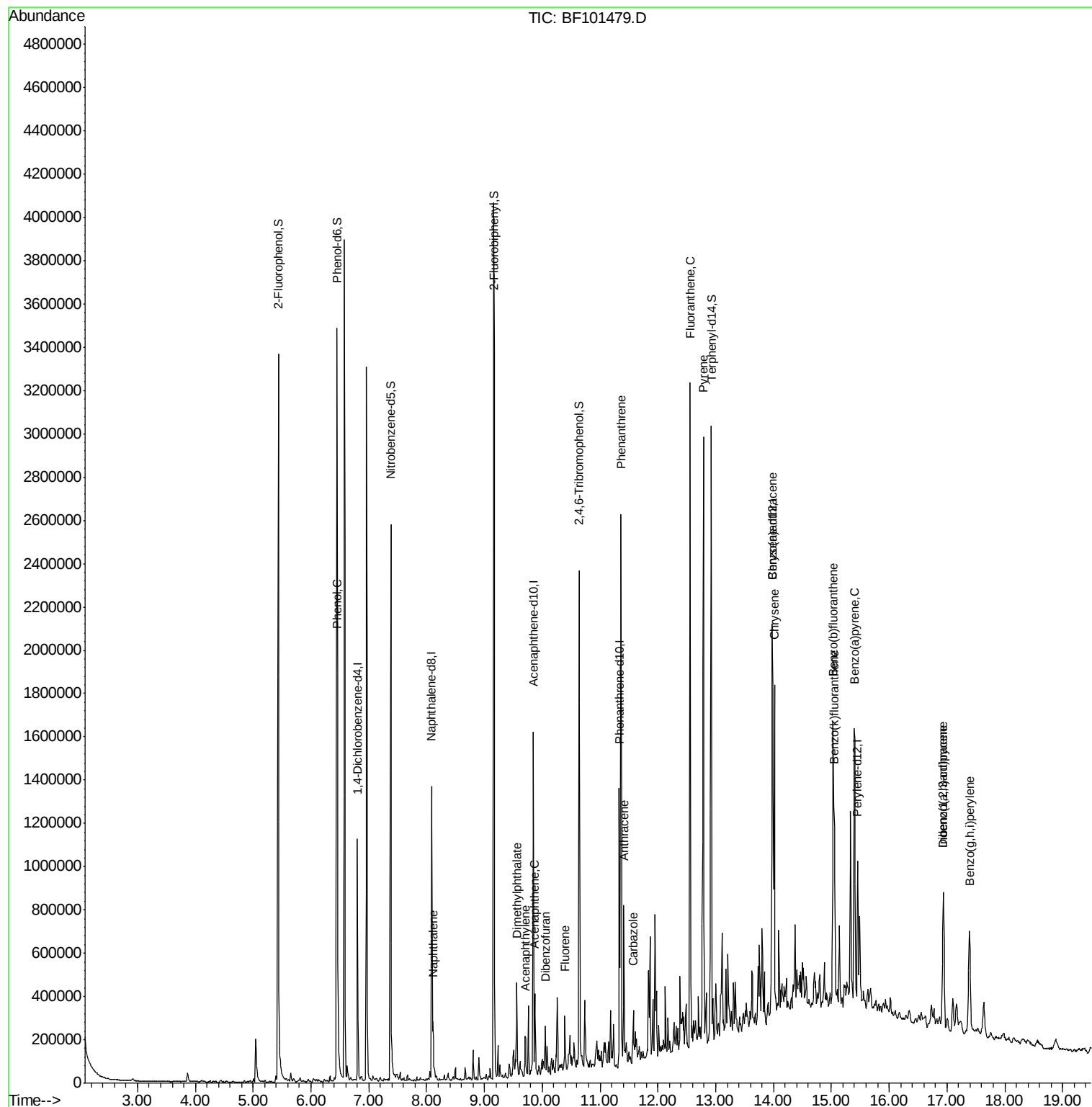
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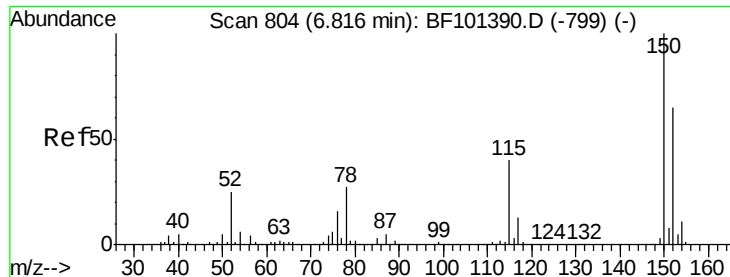
Instrument :
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SB-5(0-2)

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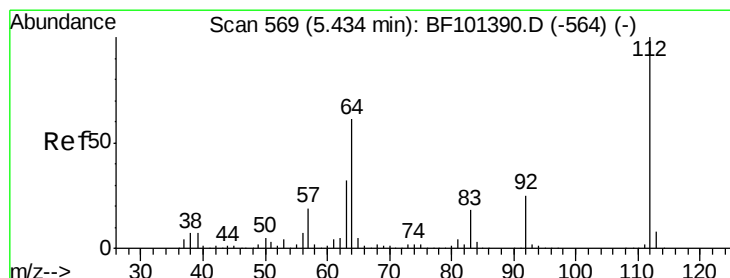
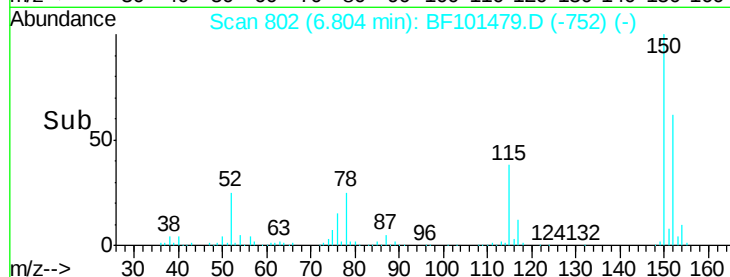
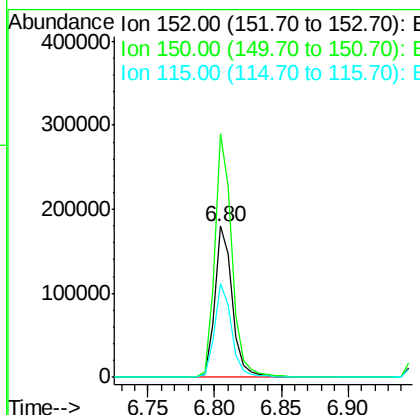
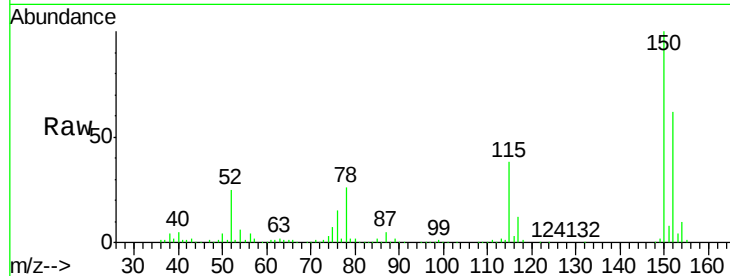
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF101479.D
 Acq: 18 Dec 2017 14:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	166318		
150	161.4	124.6	186.8	
115	61.9	50.1	75.1	

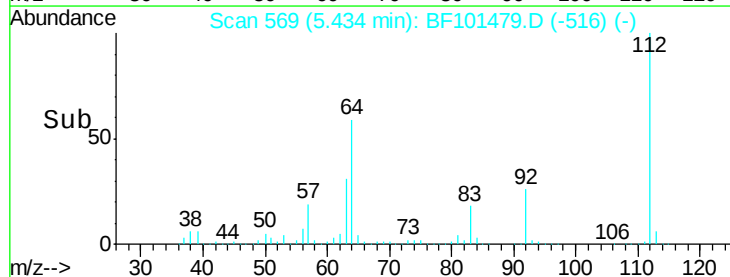
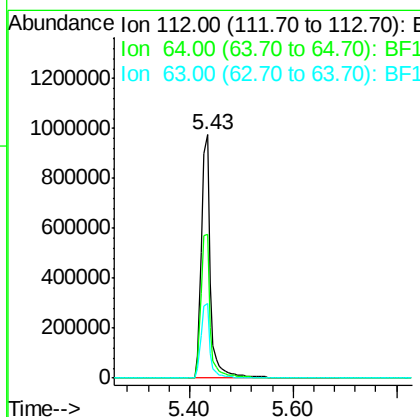
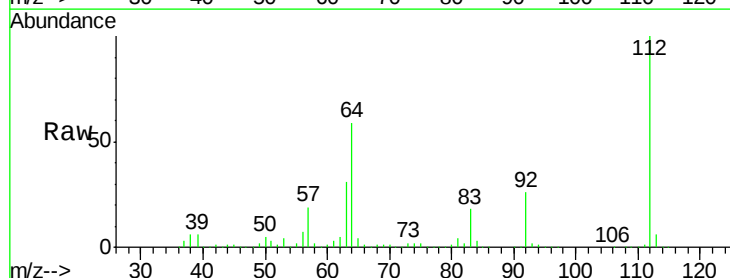
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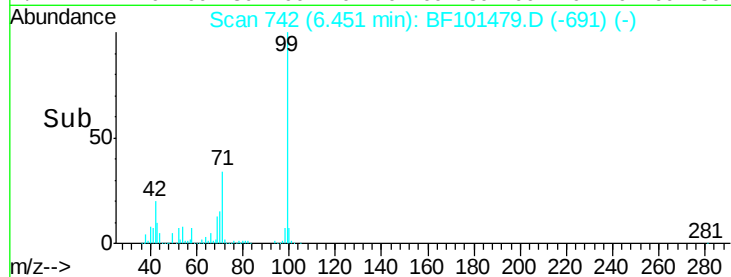
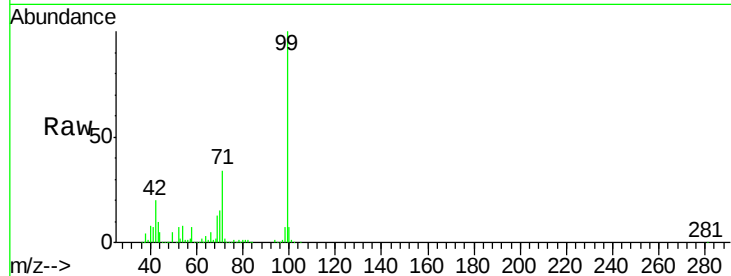
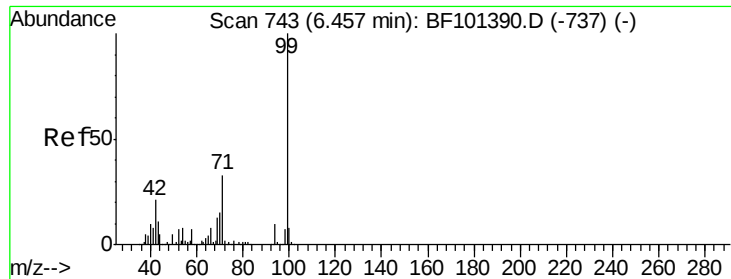
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#5
 2-Fluorophenol
 Concen: 105.802 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: BF101479.D
 Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1181326		
64	59.3	47.9	71.9	
63	30.6	23.7	35.5	





#7

Phenol-d6

Concen: 106.186 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101479.D

Acq: 18 Dec 2017 14:36

Tgt Ion: 99 Resp: 1475547

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

71 34.0 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

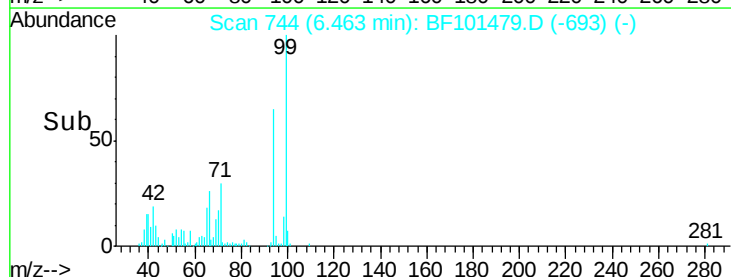
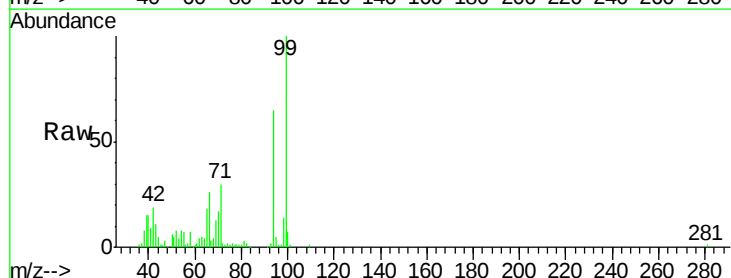
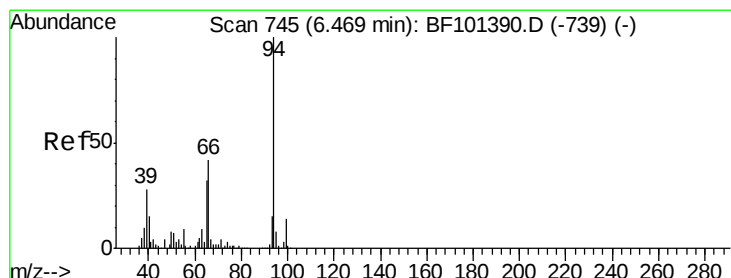
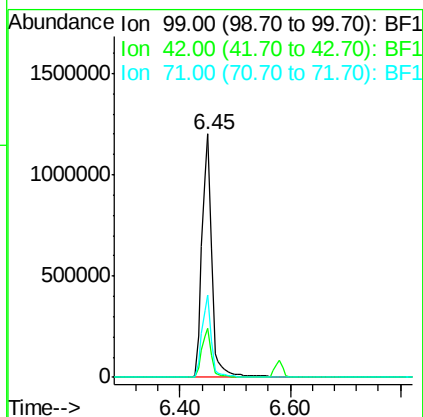
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#10

Phenol

Concen: 4.669 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101479.D

Acq: 18 Dec 2017 14:36

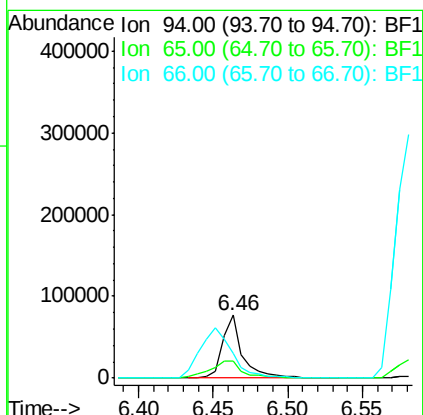
Tgt Ion: 94 Resp: 73946

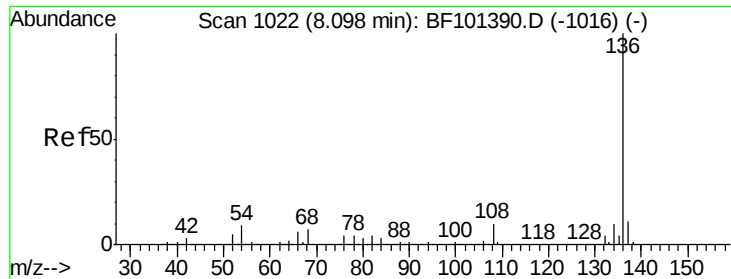
Ion Ratio Lower Upper

94 100

65 27.1 7.9 47.9

66 39.9 16.2 56.2





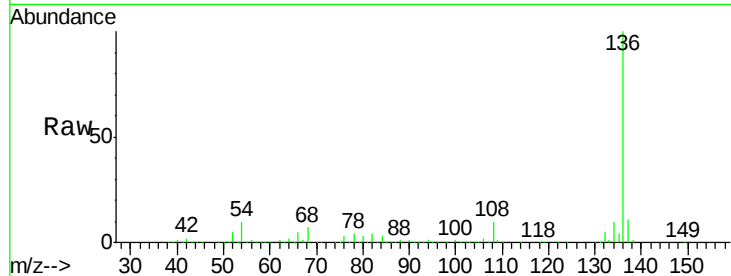
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Instrument :
BNA_F
ClientSampleID :
SB-5(0-2)

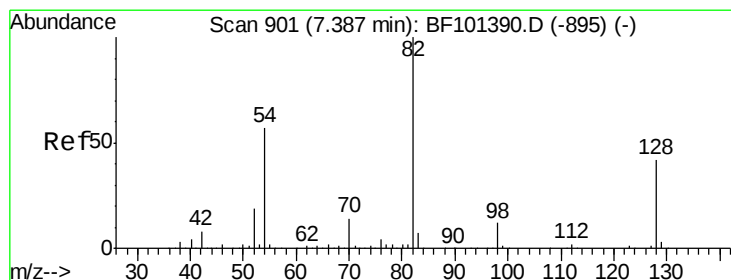
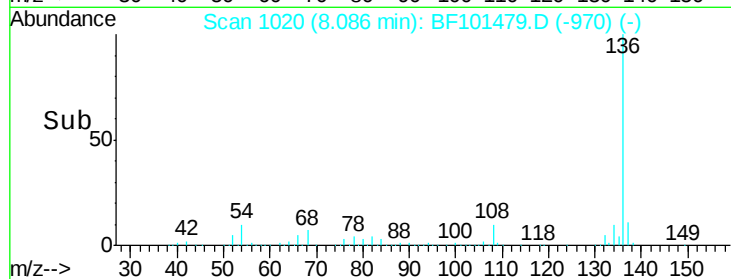
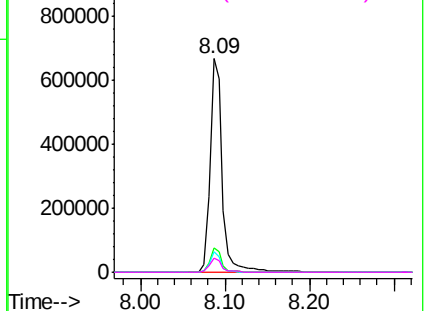
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	675239		
137	11.3	8.9	13.3	
54	9.5	6.6	9.8	
68	6.8	5.0	7.4	

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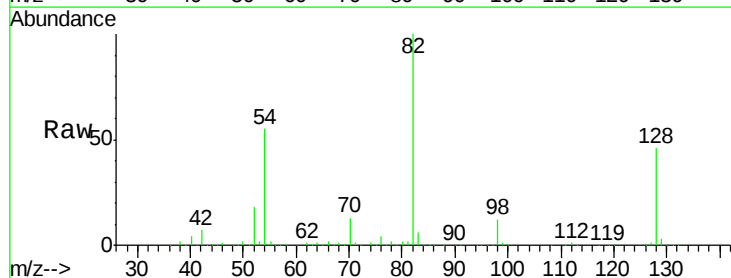


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

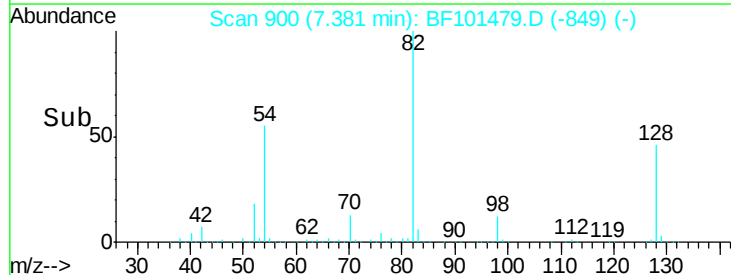
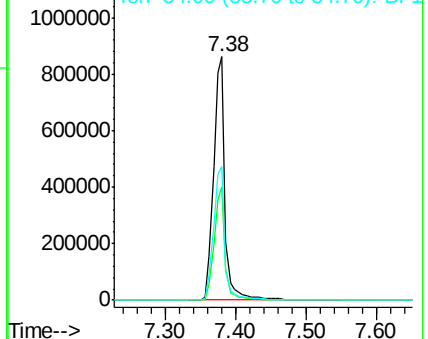


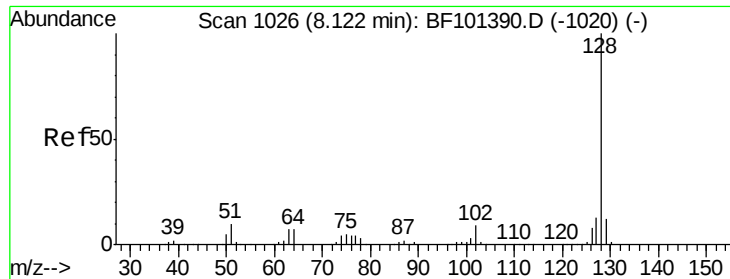
#23
Nitrobenzene-d5
Concen: 80.353 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	974701		
128	46.3	36.1	54.1	
54	54.6	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





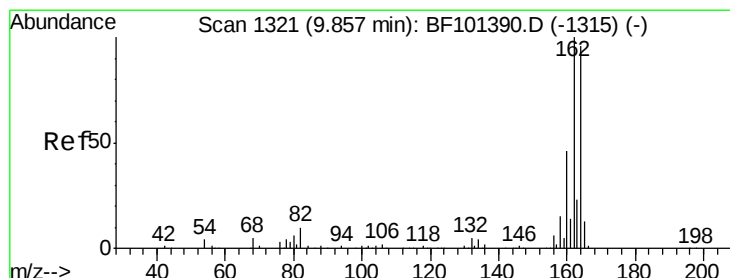
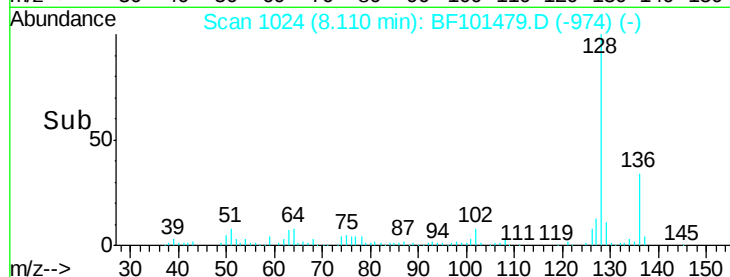
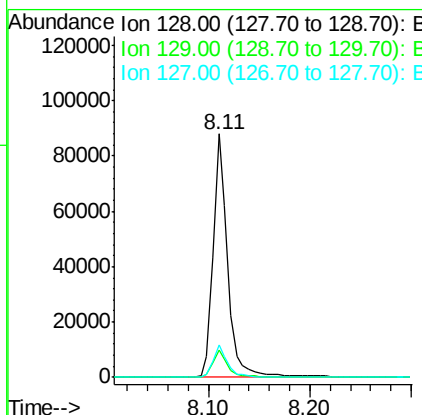
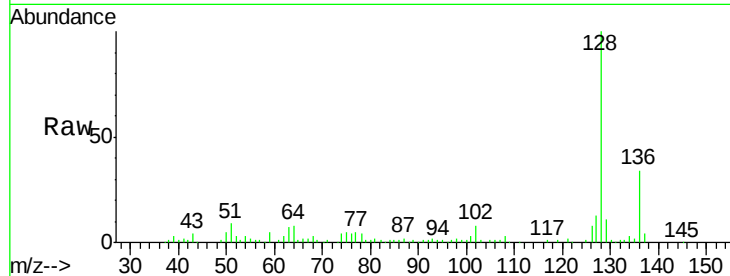
#31
Naphthalene
Concen: 2.594 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.2	8.8	13.2
127	13.3	10.9	16.3

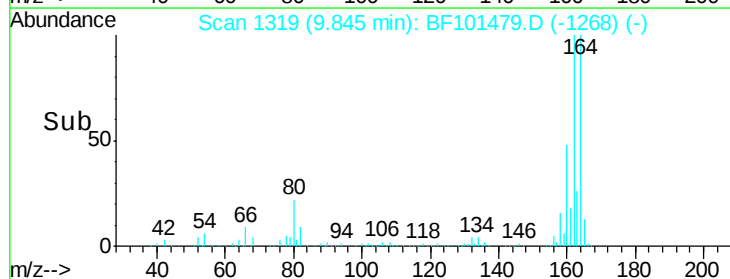
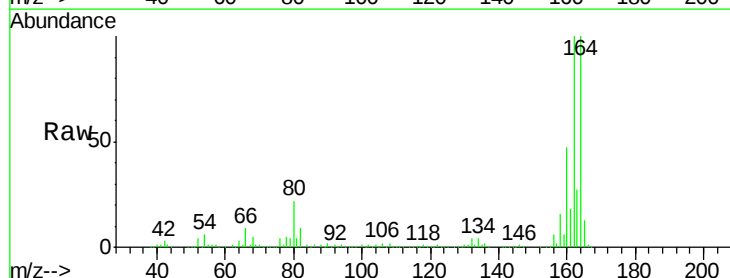
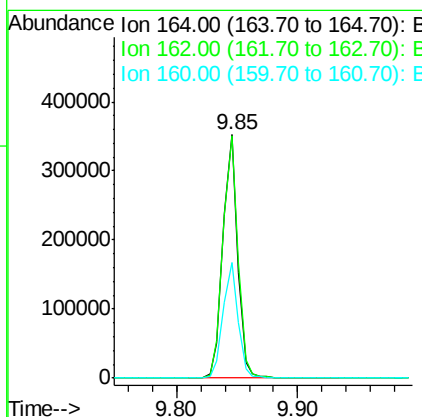
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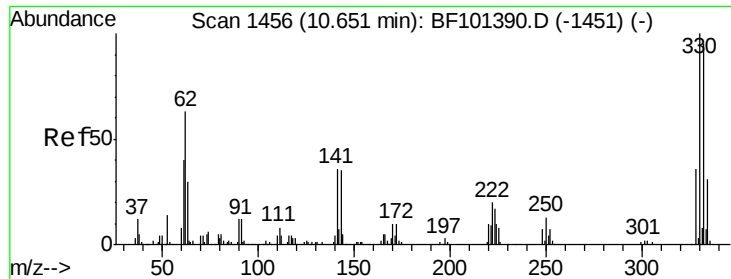
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	99.8	86.1	129.1
160	47.4	38.3	57.5





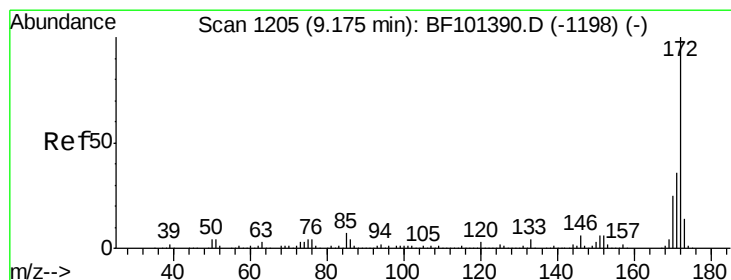
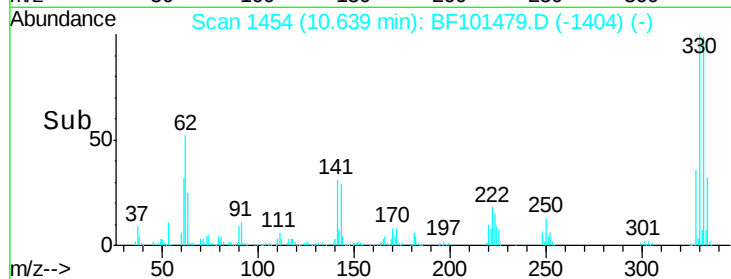
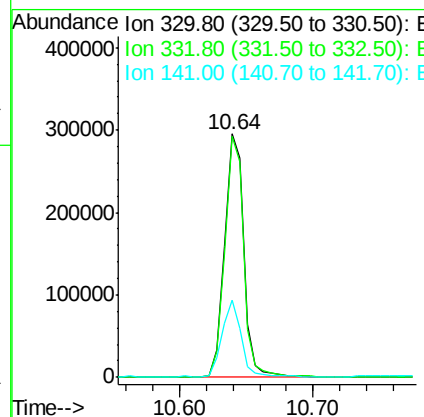
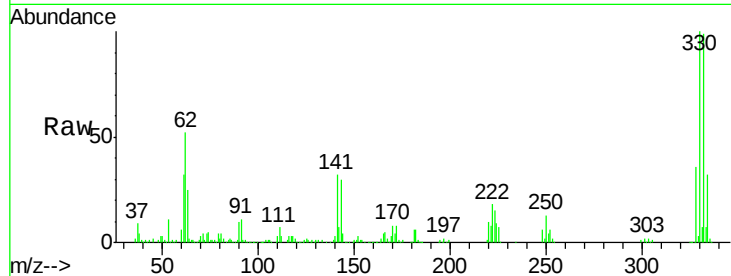
#41
 2,4,6-Tribromophenol
 Concen: 106.774 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF101479.D
 Acq: 18 Dec 2017 14:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	303824		
332	97.6	77.0	115.6	
141	31.6	29.9	44.9	

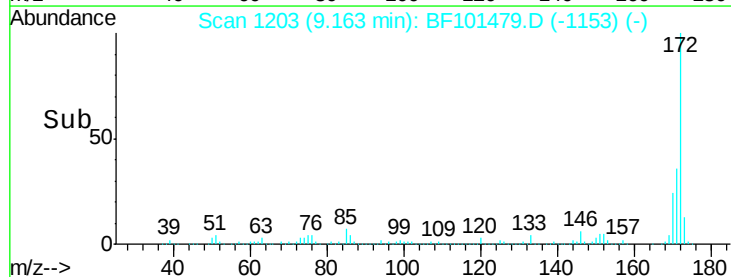
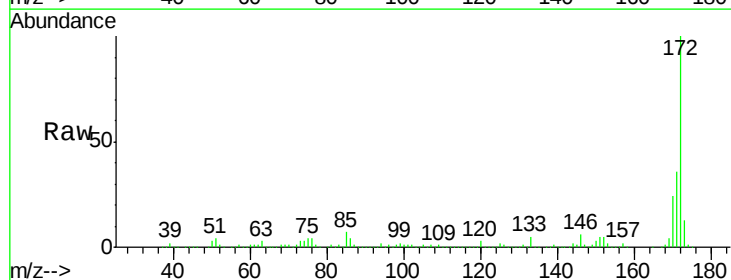
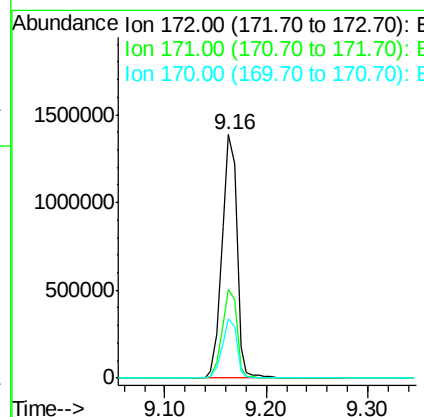
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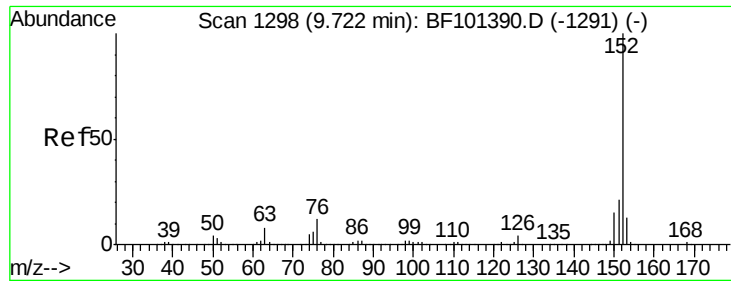
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#44
 2-Fluorobiphenyl
 Concen: 75.018 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101479.D
 Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1428101		
171	36.3	29.7	44.5	
170	24.4	19.6	29.4	





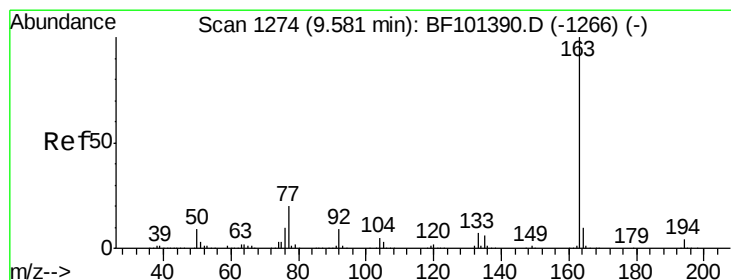
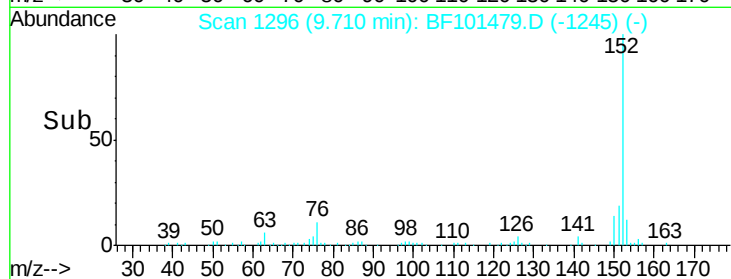
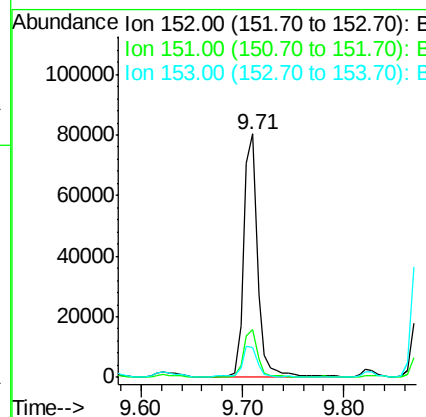
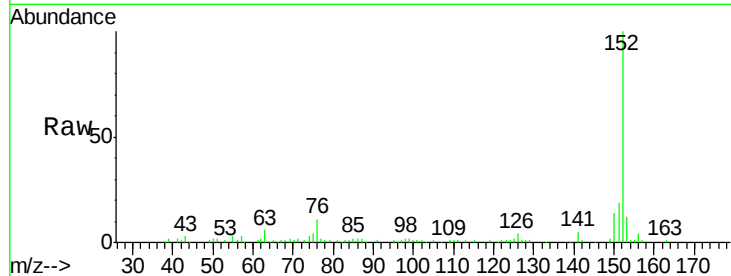
#48
Acenaphthylene
Concen: 2.434 ng
RT: 9.71 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Instrument :
BNA_F
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SB-5(0-2)

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	12.3	10.7	16.1

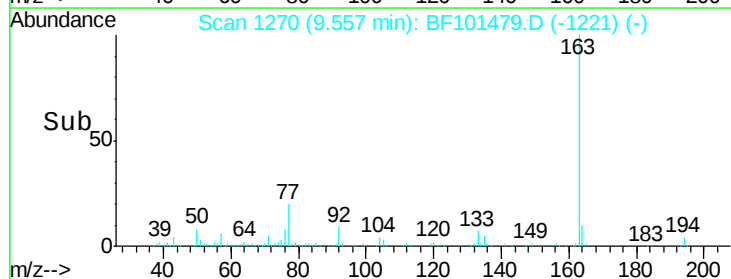
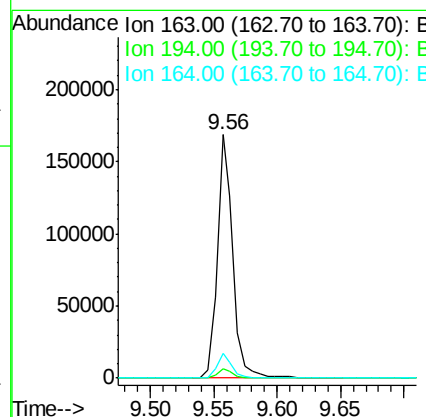
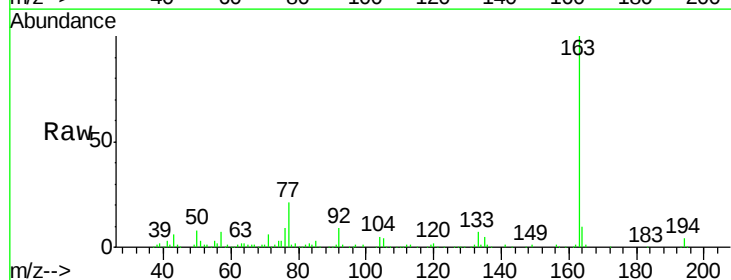
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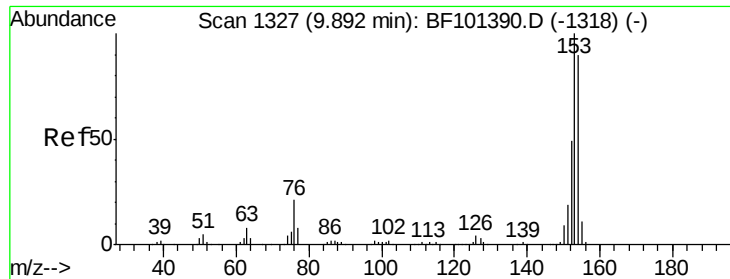
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#49
Dimethylphthalate
Concen: 6.124 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.3	8.2	12.2





#51

Acenaphthene

Concen: 3.969 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF101479.D

Acq: 18 Dec 2017 14:36

Instrument :

BNA_F

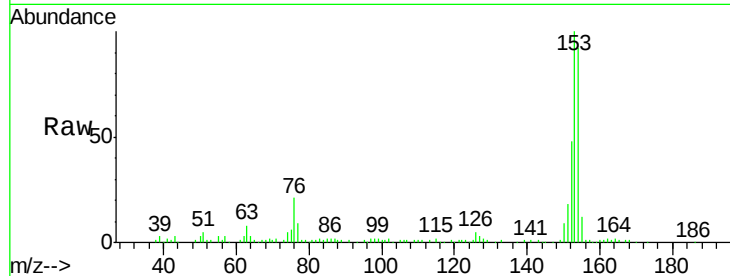
ClientSampleId :

SB-5(0-2)

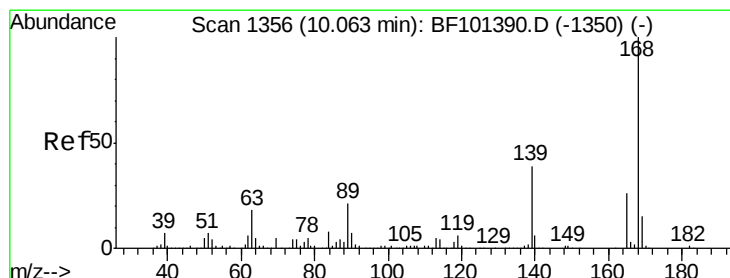
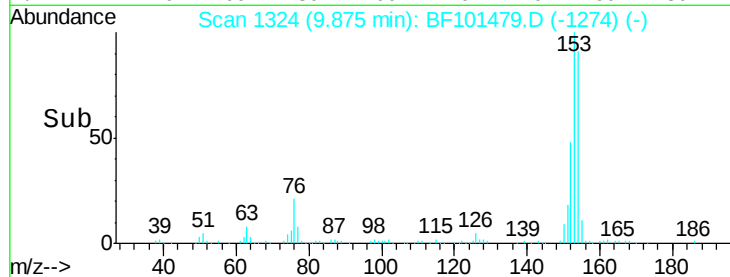
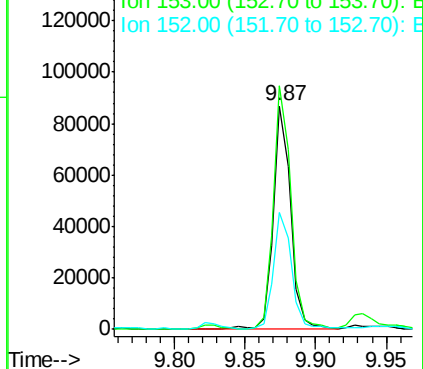
Tgt Ion:	154	Resp:	75468
Ion Ratio	Lower	Upper	
154	100		
153	108.9	91.2	136.8
152	52.5	43.8	65.8

Manual Integrations
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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: 2.452 ng

RT: 10.05 min Scan# 1354

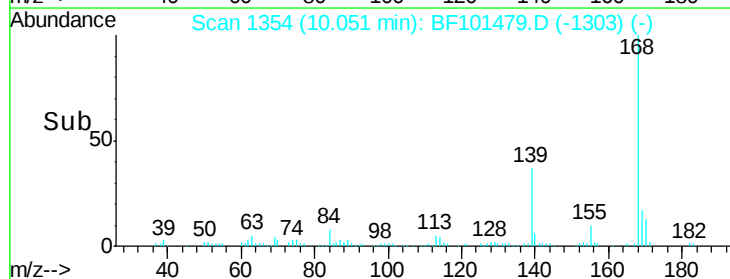
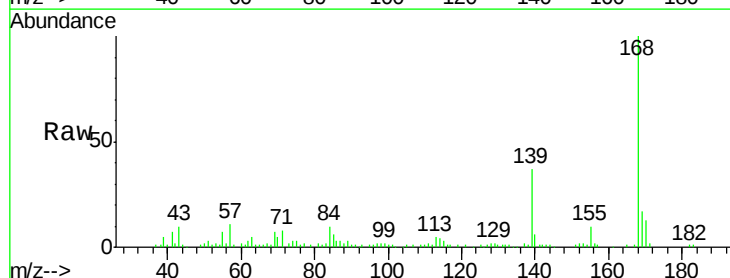
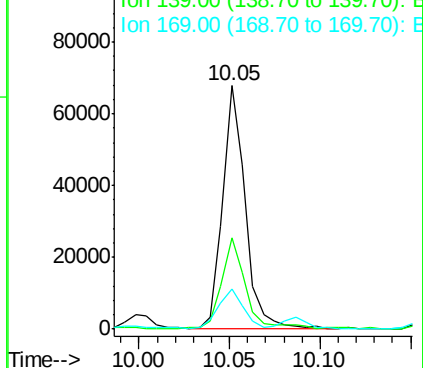
Delta R.T. 0.00 min

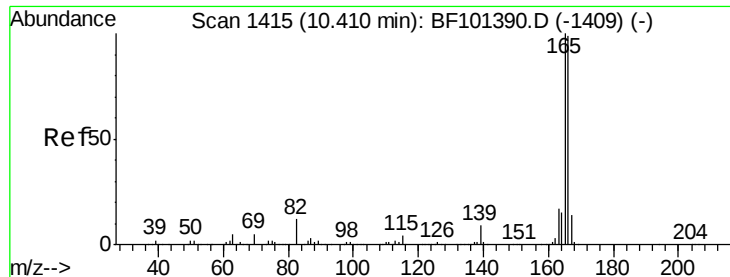
Lab File: BF101479.D

Acq: 18 Dec 2017 14:36

Tgt Ion:	168	Resp:	59257
Ion Ratio	Lower	Upper	
168	100		
139	37.3	30.1	45.1
169	16.6	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: 3.351 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF101479.D

Acq: 18 Dec 2017 14:36

Instrument :

BNA_F

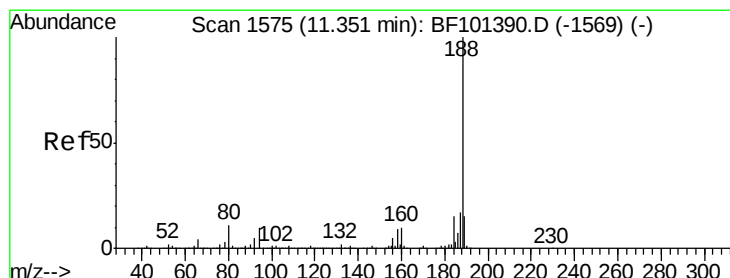
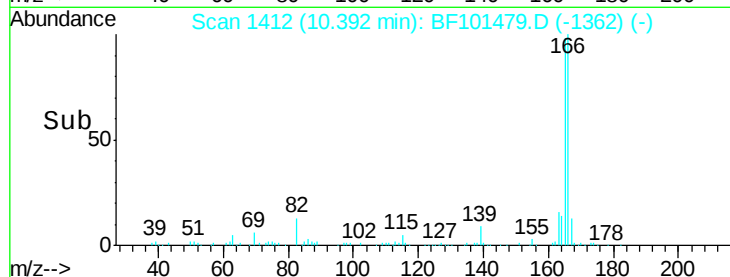
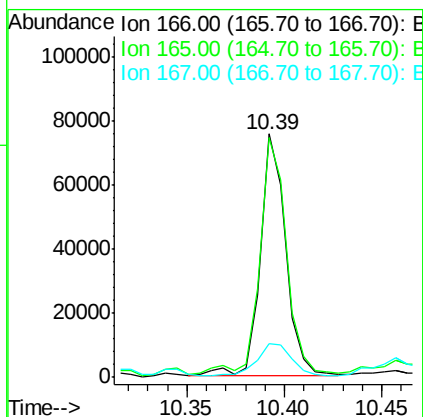
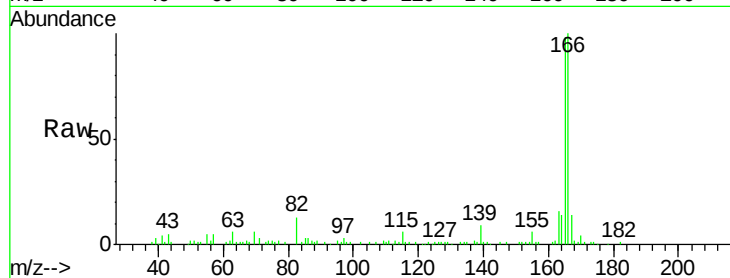
ClientSampleId :

SB-5(0-2)

Tgt Ion:	166	Resp:	68509
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.8	119.8
167	14.1	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

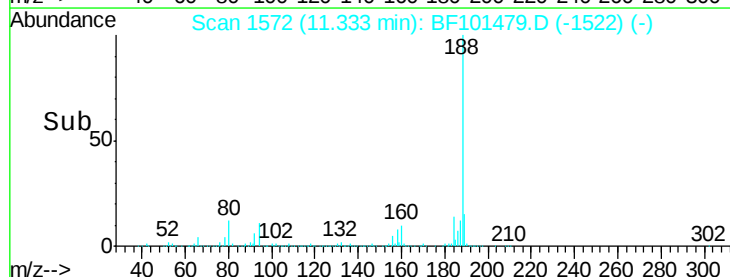
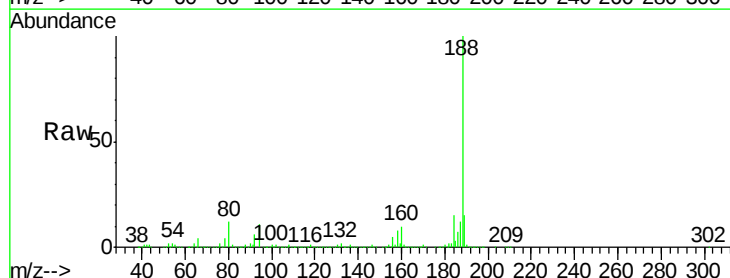
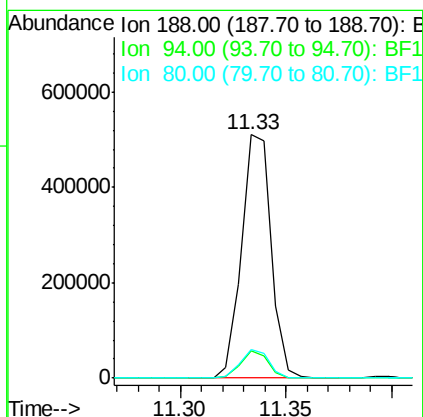
RT: 11.33 min Scan# 1572

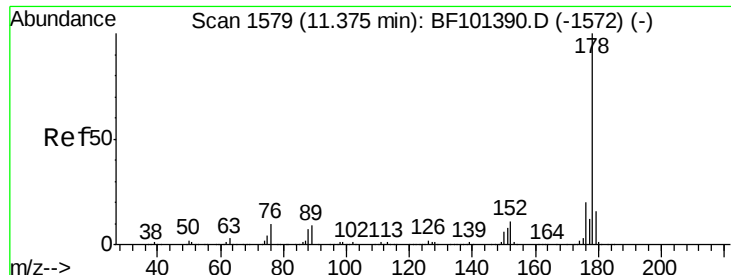
Delta R.T. -0.01 min

Lab File: BF101479.D

Acq: 18 Dec 2017 14:36

Tgt Ion:	188	Resp:	493579
Ion Ratio	Lower	Upper	
188	100		
94	11.0	8.5	12.7
80	11.9	9.2	13.8





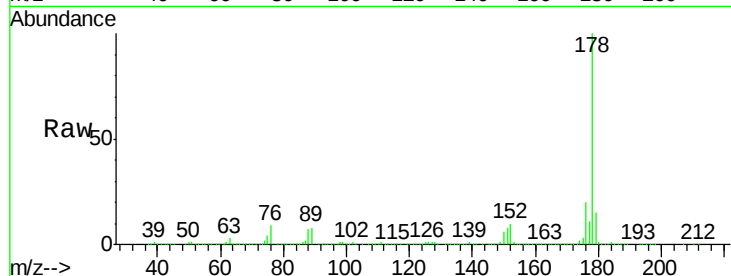
#70
Phenanthrene
Concen: 34.150 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Instrument :
BNA_F
ClientSampled :
SB-5(0-2)

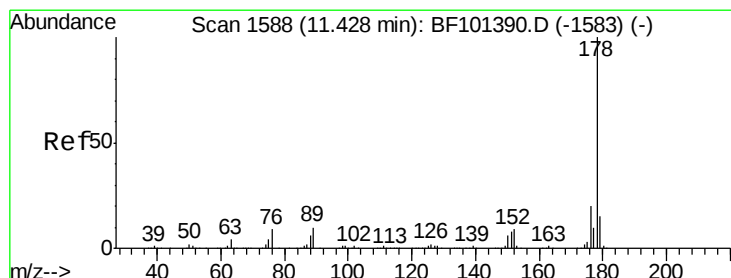
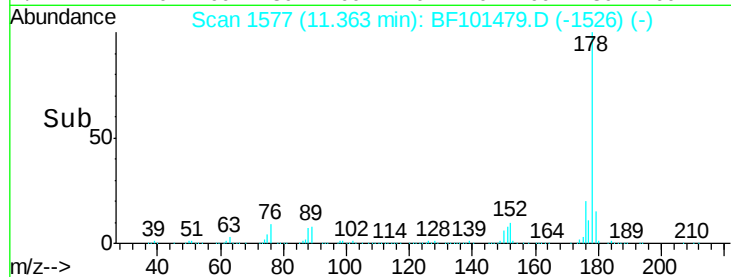
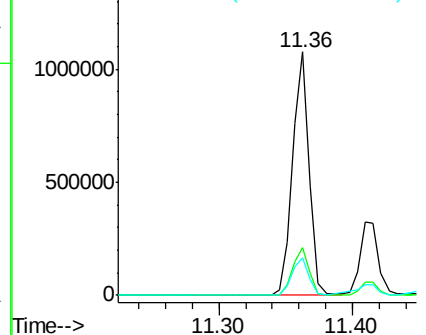
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.3	13.0	19.6

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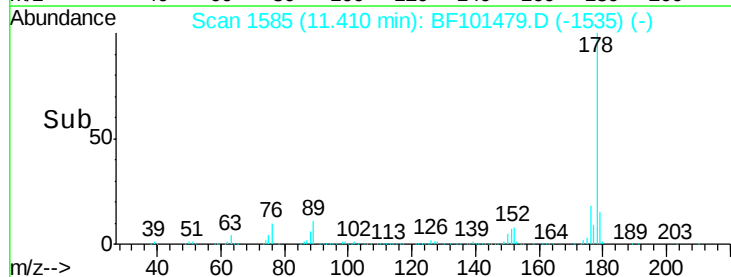
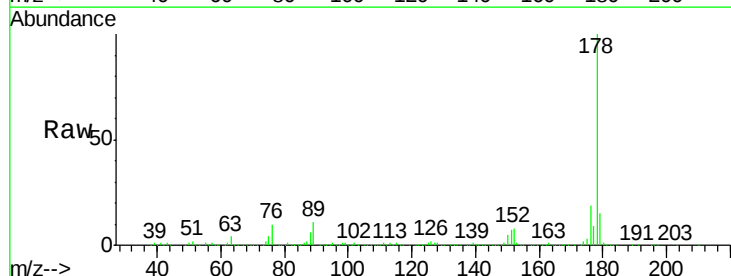
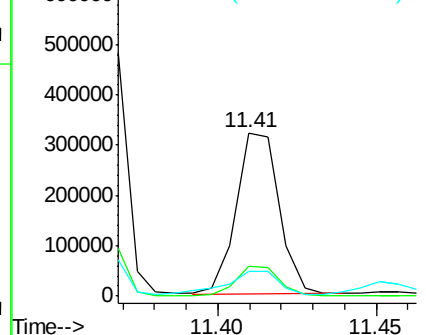
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

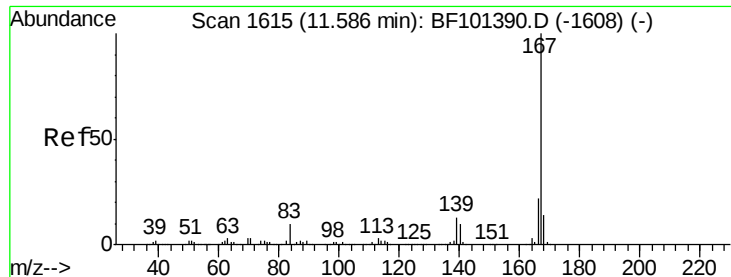


#71
Anthracene
Concen: 10.704 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.4	12.6	19.0

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





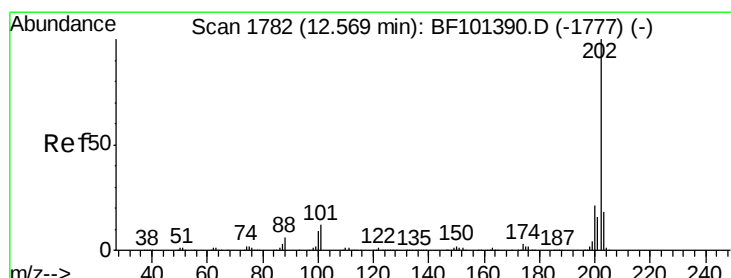
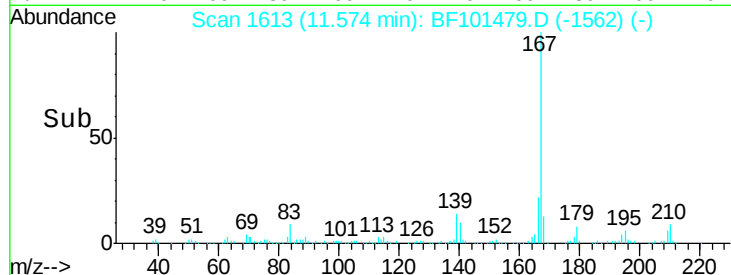
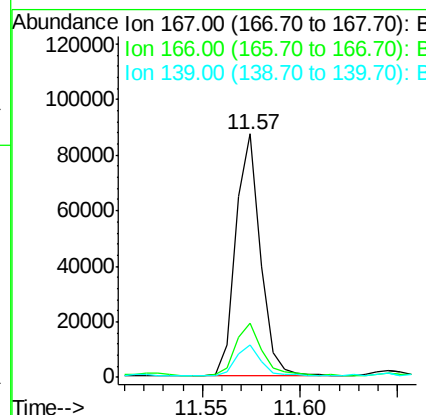
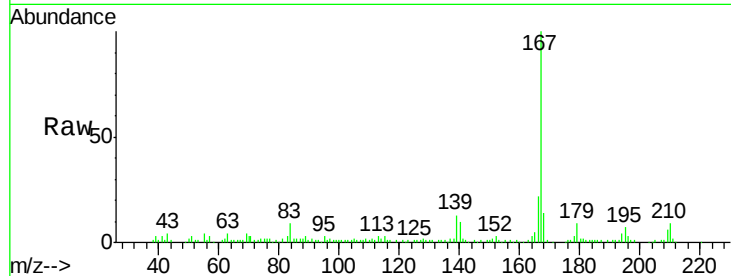
#72
 Carbazole
 Concen: 2.917 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.00 min
 Lab File: BF101479.D
 Acq: 18 Dec 2017 14:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	76581		
166	22.4		17.6	26.4
139	13.4		10.9	16.3

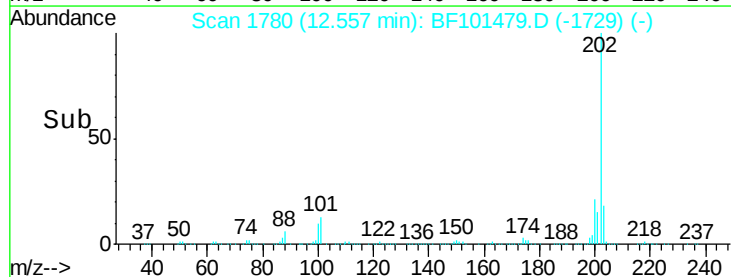
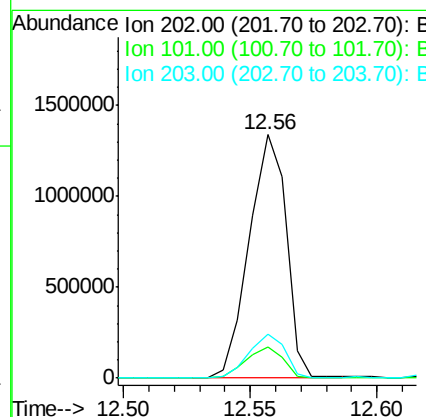
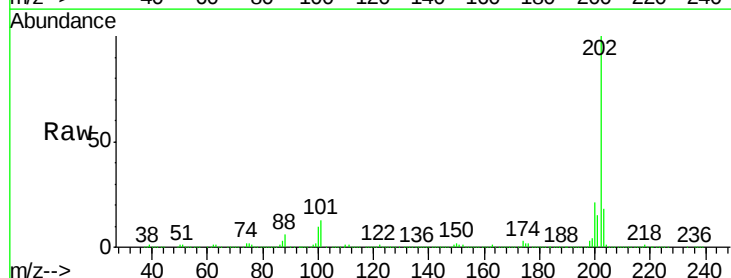
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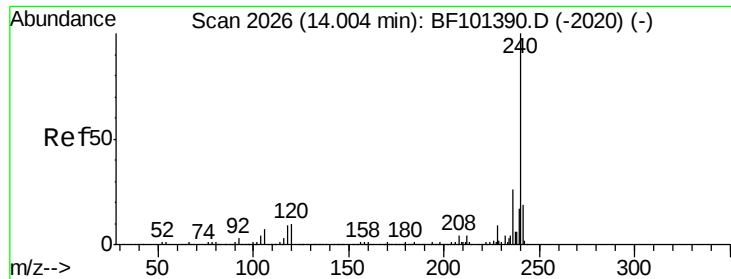
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#74
 Fluoranthene
 Concen: 47.474 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.00 min
 Lab File: BF101479.D
 Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1367778		
101	12.9		0.0	34.1
203	17.8		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101479.D

Acq: 18 Dec 2017 14:36

Instrument :

BNA_F

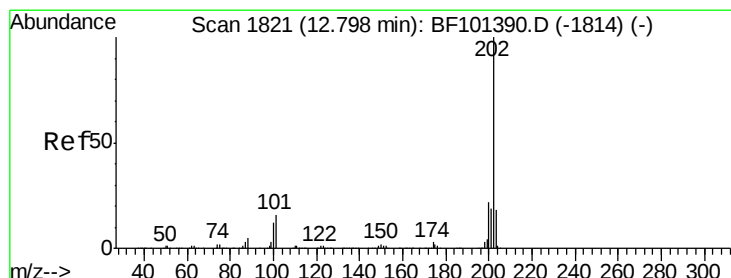
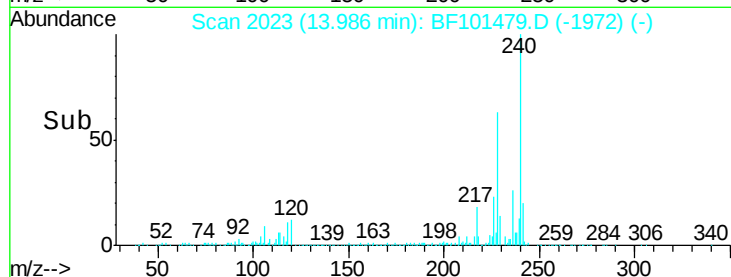
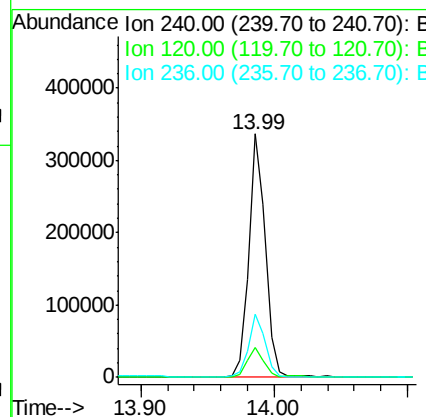
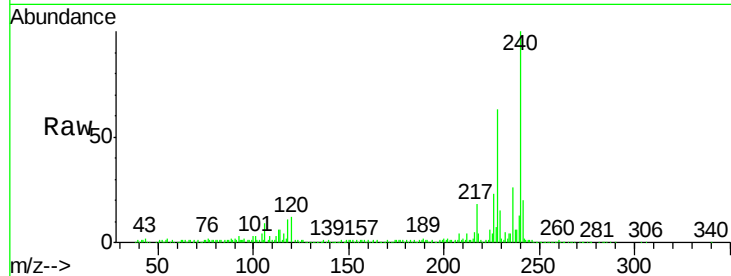
ClientSampleId :

SB-5(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	283707		
120	12.3	9.5	14.3	
236	26.0	20.7	31.1	

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#77

Pyrene

Concen: 61.066 ng

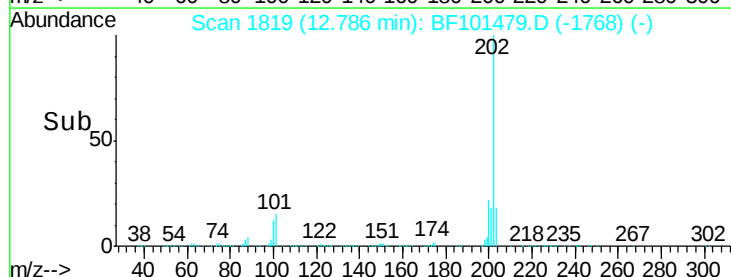
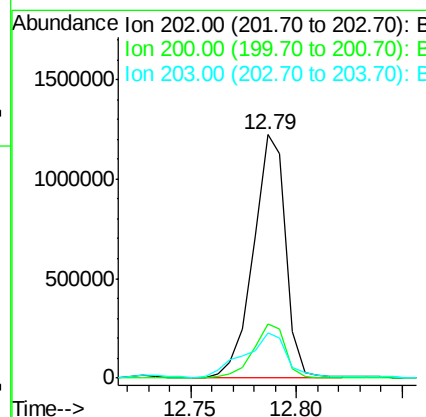
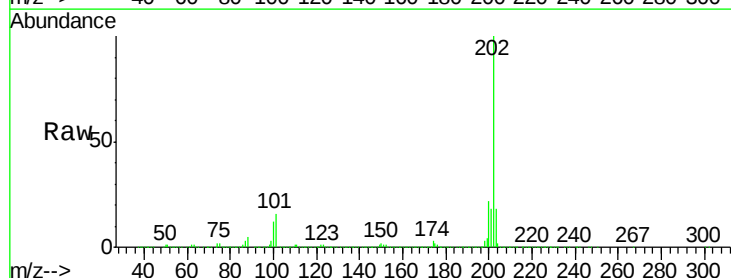
RT: 12.79 min Scan# 1819

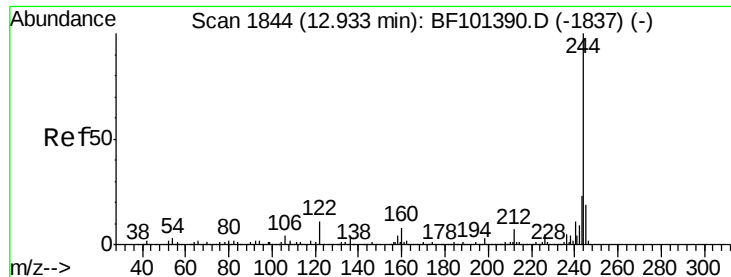
Delta R.T. 0.00 min

Lab File: BF101479.D

Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1300224		
200	22.4	17.4	26.2	
203	18.4	14.3	21.5	





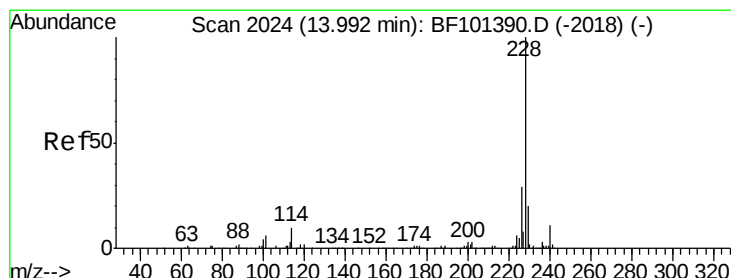
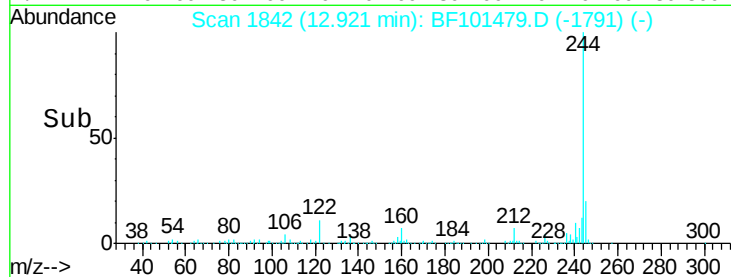
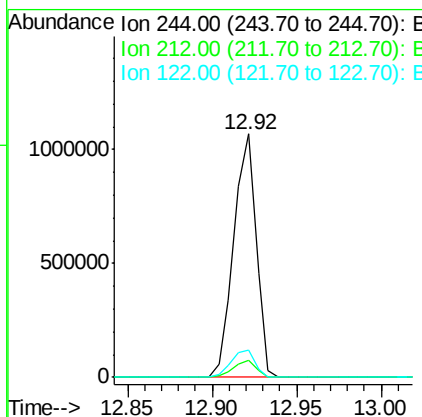
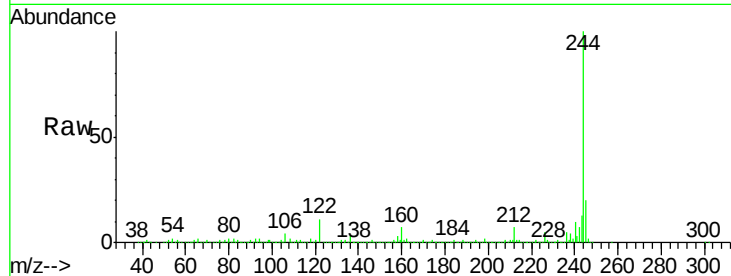
#78
 Terphenyl-d14
 Concen: 84.114 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF101479.D
 Acq: 18 Dec 2017 14:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-5(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	989878		
212	6.9		5.4	8.0
122	11.3		11.0	16.4

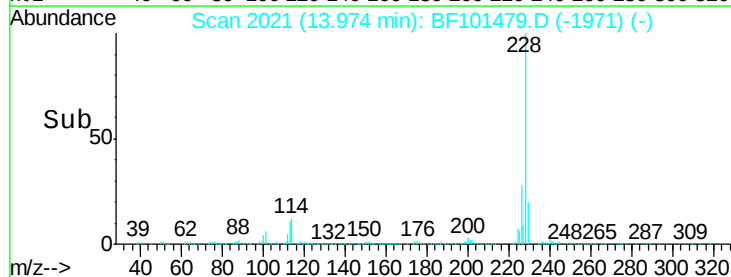
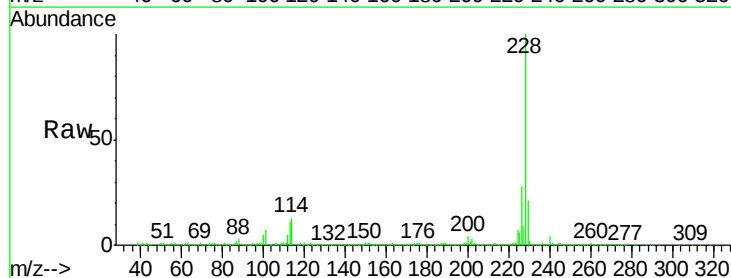
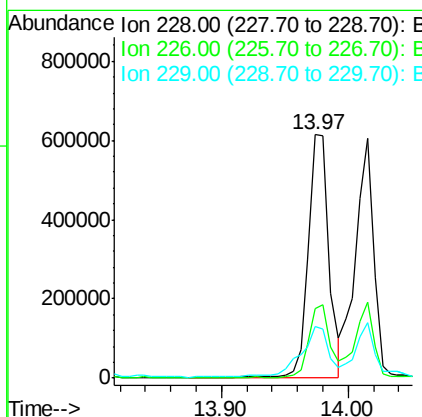
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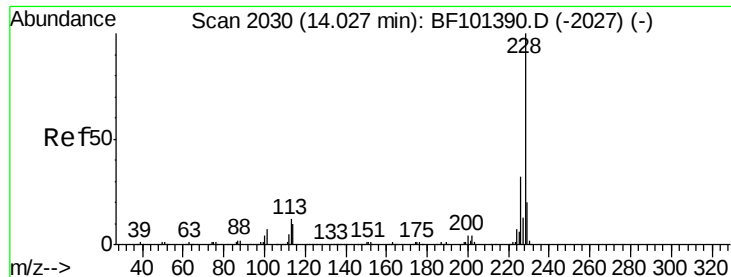
Sohil
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#80
 Benzo(a)anthracene
 Concen: 36.589 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF101479.D
 Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	685453		
226	28.4		22.6	33.8
229	21.1		15.8	23.6





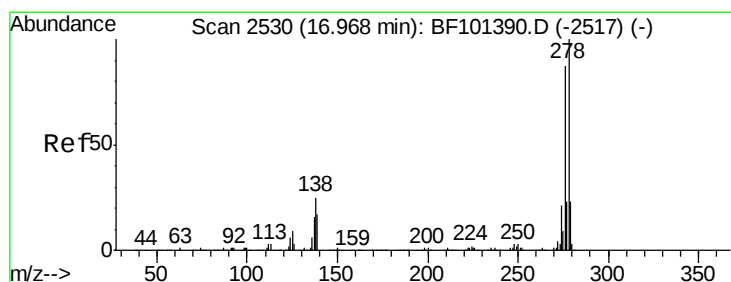
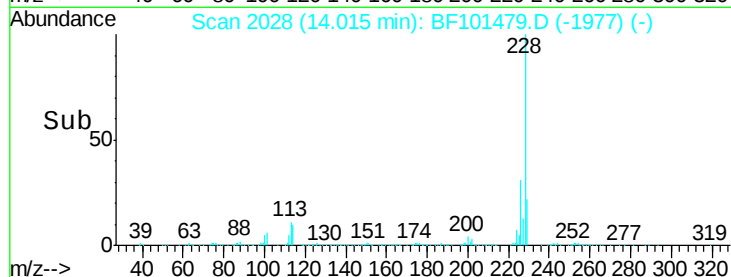
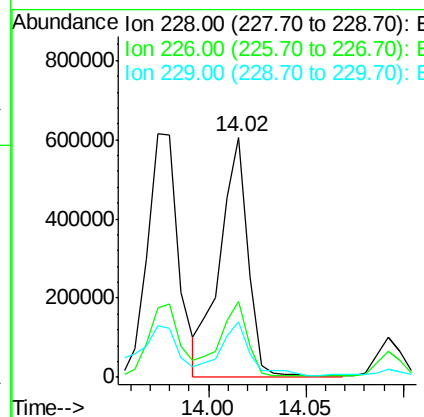
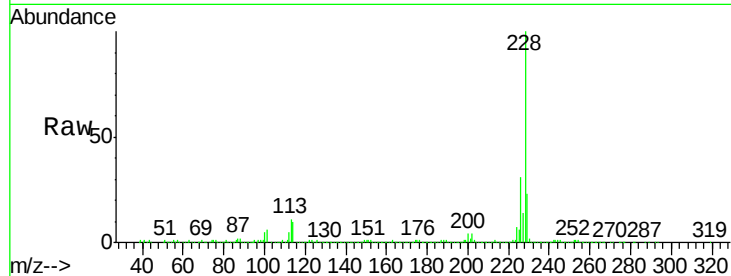
#82
Chrysene
Concen: 34.158 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.9	16.2	24.4

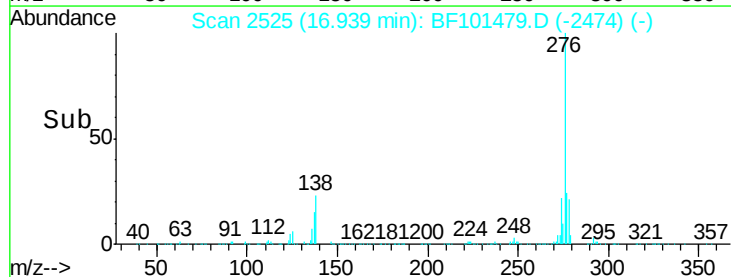
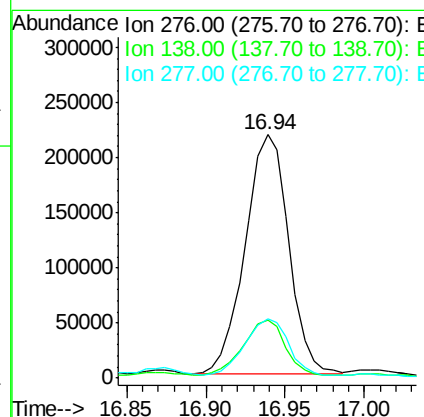
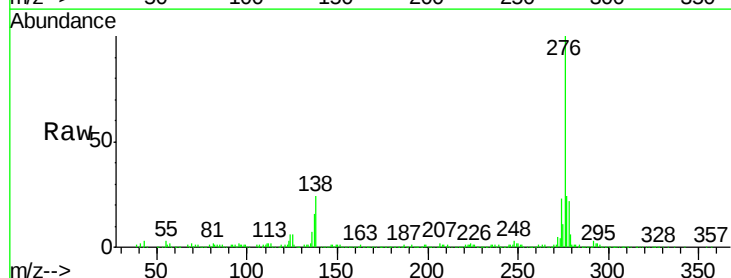
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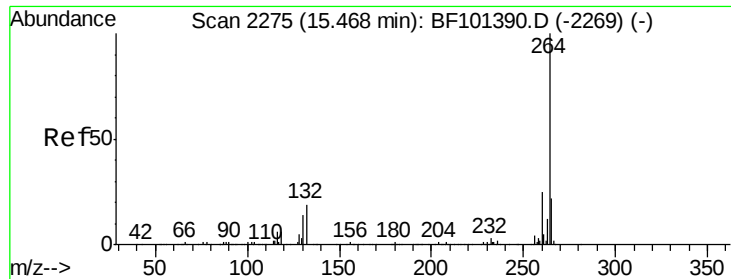
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#85
Indeno(1,2,3-cd)pyrene
Concen: 26.283 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.00 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	25.0	37.6#
277	24.4	20.1	30.1





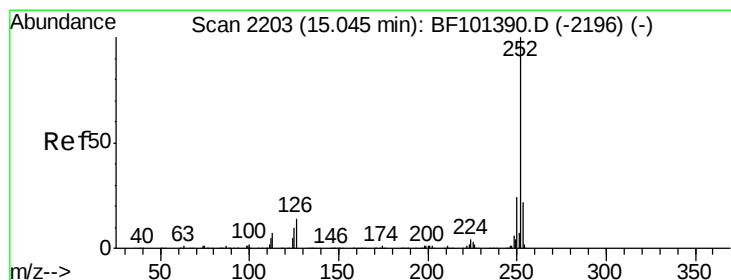
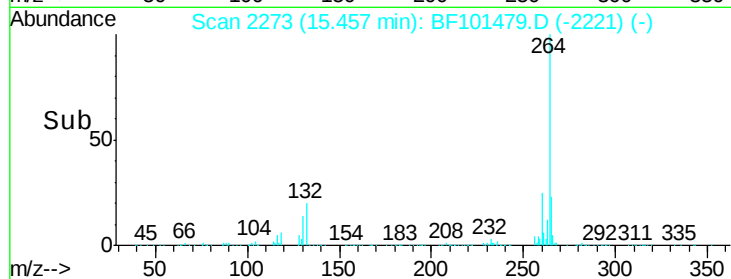
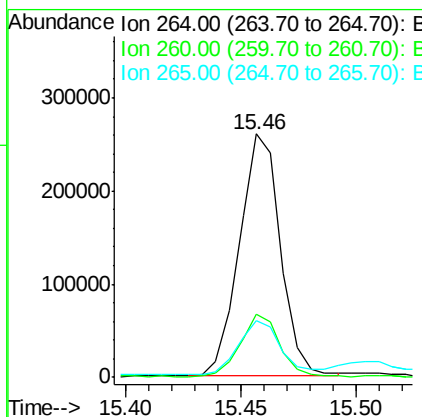
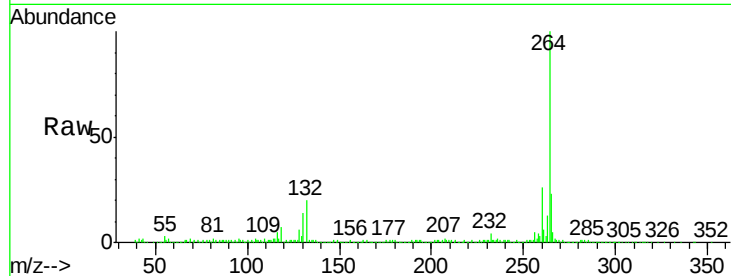
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	322812		
260	25.7	19.2	28.8	
265	23.5	17.5	26.3	

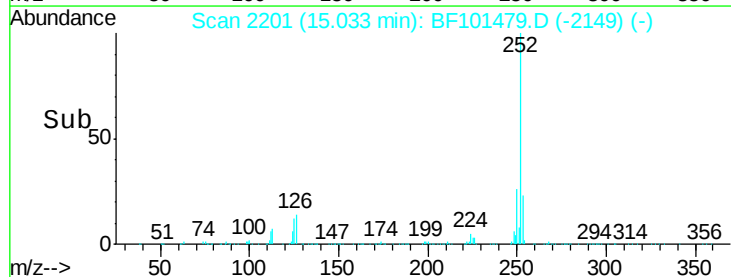
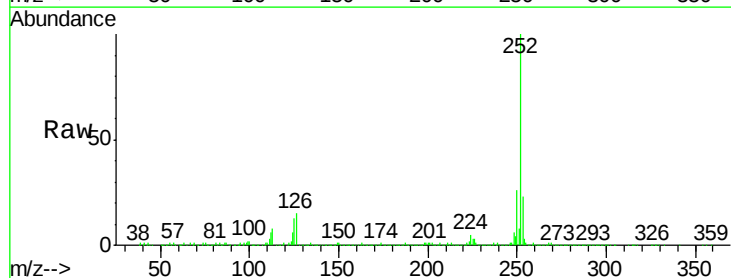
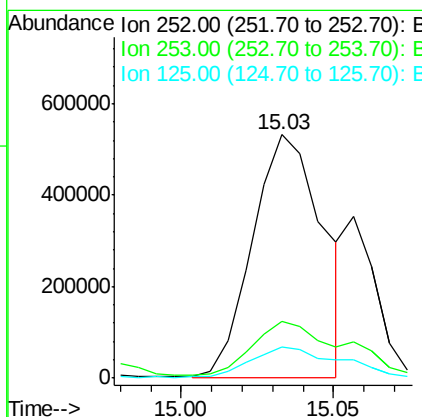
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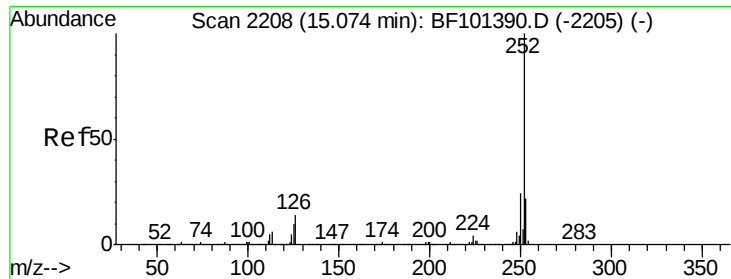
Sohil
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#87
Benzo(b)fluoranthene
Concen: 43.477 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	855462		
253	23.4	17.0	25.6	
125	12.5	9.0	13.6	





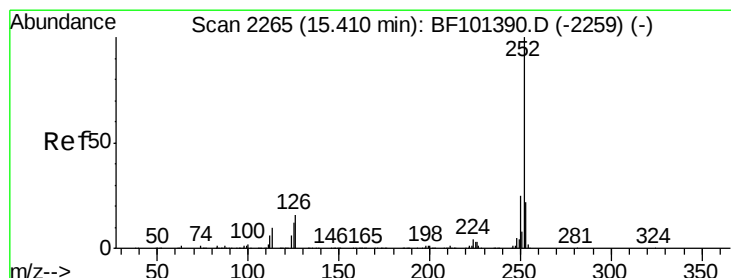
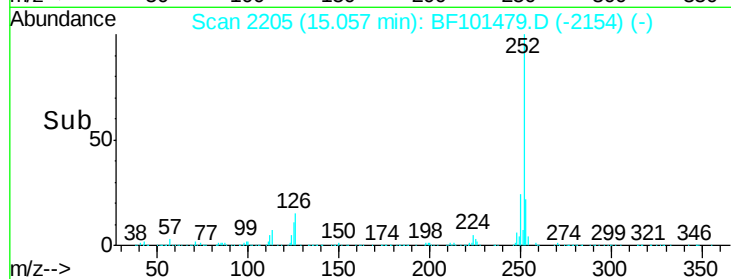
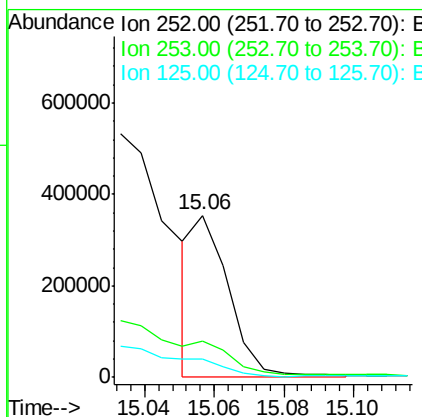
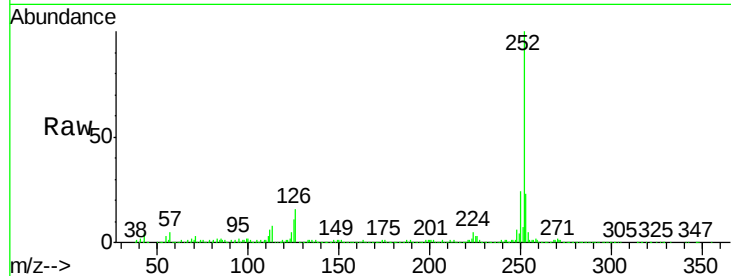
#88
Benzo(k)fluoranthene
Concen: 13.258 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	11.4	10.2	15.2

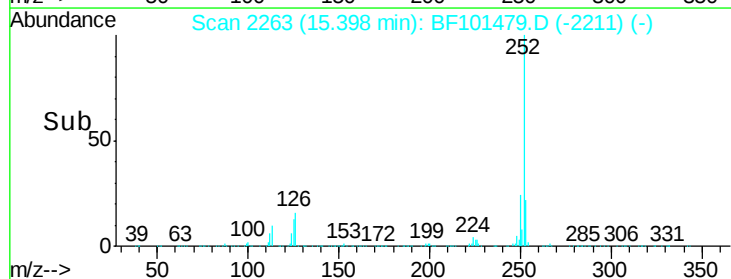
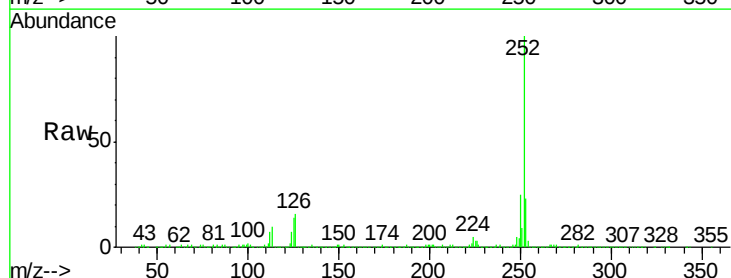
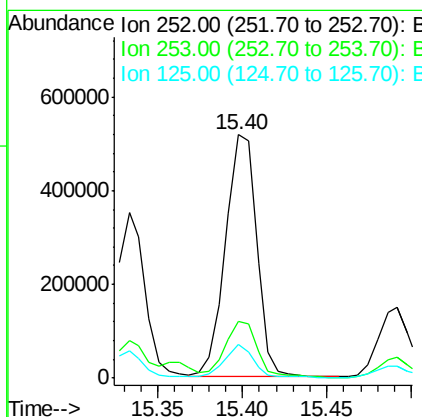
Manual Integrations
APPROVED

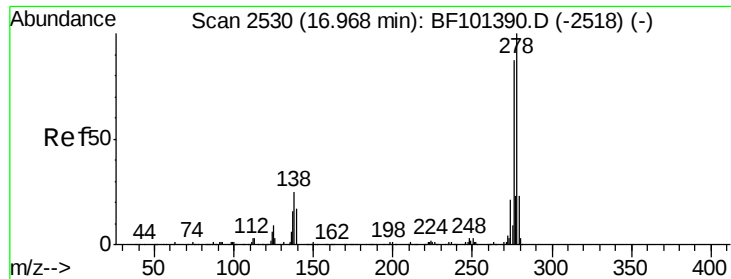
Sohil
12/19/2017 4:49:34 PM



#89
Benzo(a)pyrene
Concen: 37.014 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	13.6	9.8	14.6





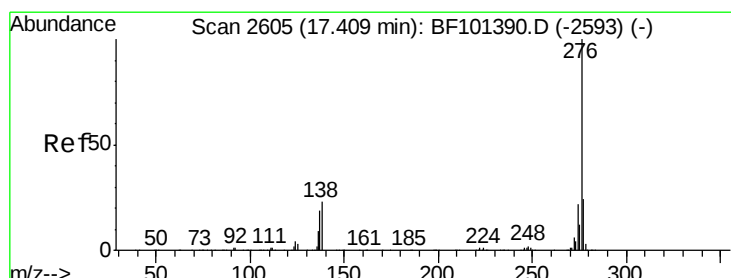
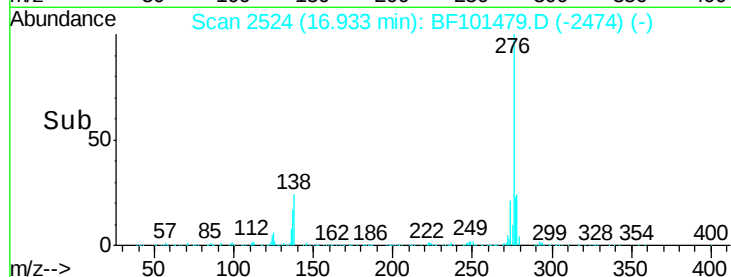
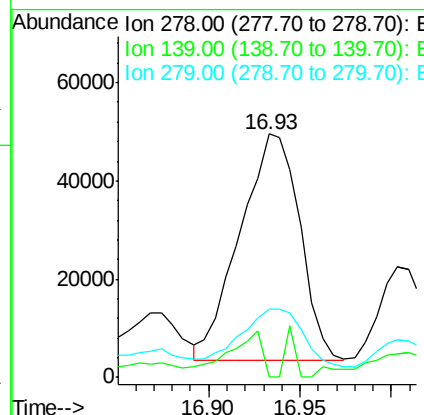
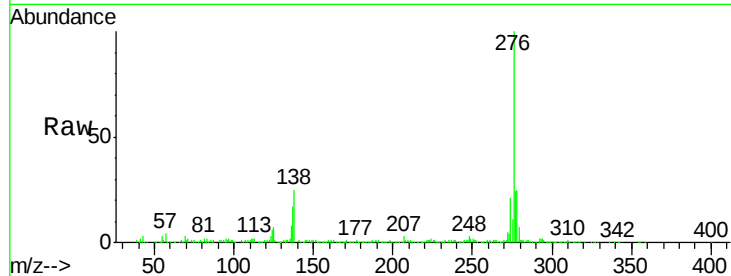
#90
Dibenzo(a,h)anthracene
Concen: 6.721 ng m
RT: 16.93 min Scan# 2524
Delta R.T. -0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Instrument :
BNA_F
ClientSampleId :
SB-5(0-2)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.0	19.0	28.4

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 25.285 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.01 min
Lab File: BF101479.D
Acq: 18 Dec 2017 14:36

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	25.1	21.8	32.8

