

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101797.D
 Acq On : 28 Dec 2017 12:56
 Operator : SJ/JU
 Sample : I7064-15
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-8

Manual Integrations
 APPROVED

Sohil
 12/29/2017 11:55:01 AM

Quant Time: Dec 28 14:20:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	157273	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	590553	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	239694	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	372183	20.00	ng	0.00
75) Chrysene-d12	13.96	240	281042	20.00	ng	0.00
86) Perylene-d12	15.44	264	312938	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1066009	100.96	ng	0.00
7) Phenol-d6	6.43	99	1272523	96.84	ng	0.00
23) Nitrobenzene-d5	7.36	82	792782	74.73	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	225835	97.78	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1110197	71.85	ng	0.00
78) Terphenyl-d14	12.89	244	707702	60.71	ng	0.00
Target Compounds						
10) Phenol	6.45	94	64377	4.298	ng	Qvalue # 63
31) Naphthalene	8.09	128	73247	2.464	ng	99
49) Dimethylphthalate	9.53	163	105150	5.454	ng	98
51) Acenaphthene	9.85	154	59219	3.837	ng	99
54) Dibenzofuran	10.03	168	58080	2.961	ng	98
57) Fluorene	10.37	166	70888	4.272	ng	99
70) Phenanthrene	11.34	178	606596	29.307	ng	99
71) Anthracene	11.39	178	191374	9.052	ng	98
72) Carbazole	11.56	167	77721	3.926	ng	98
74) Fluoranthene	12.53	202	712459	32.794	ng	97
77) Pyrene	12.76	202	629540	29.847	ng	100
80) Benzo(a)anthracene	13.96	228	328151	17.683	ng	98
82) Chrysene	13.99	228	316135m	18.042	ng	
83) Bis(2-ethylhexyl)phthalate	13.92	149	77619	6.421	ng	# 59
85) Indeno(1,2,3-cd)pyrene	16.92	276	168803	10.819	ng	# 92
87) Benzo(b)fluoranthene	15.01	252	396727m	20.799	ng	
88) Benzo(k)fluoranthene	15.03	252	133932m	7.222	ng	
89) Benzo(a)pyrene	15.38	252	294199	16.731	ng	98
90) Dibenzo(a,h)anthracene	16.92	278	48942m	3.242	ng	
91) Benzo(a,h,i)perylene	17.37	276	155728	10.417	ng	95

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

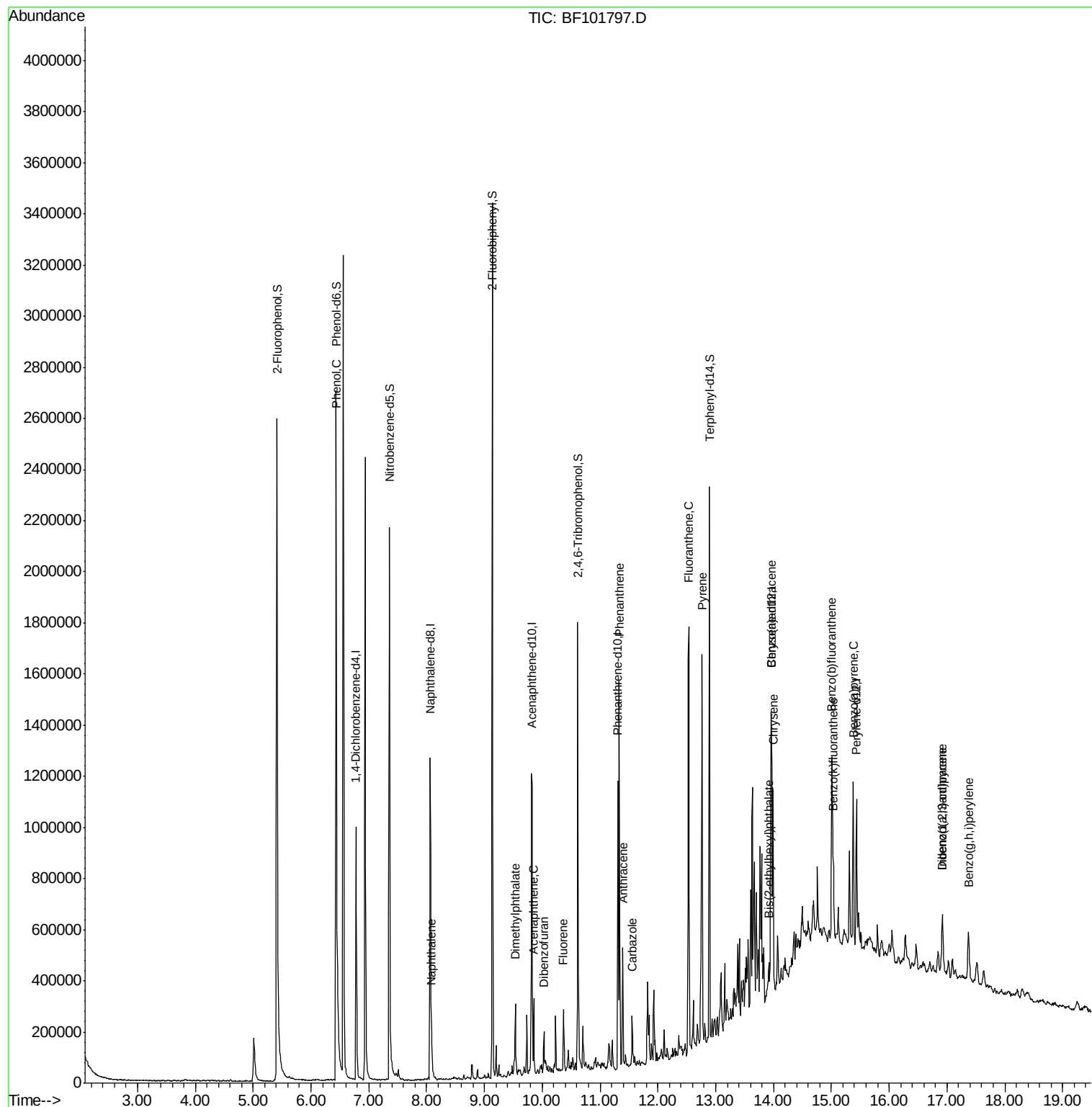
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
Data File : BF101797.D
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ALS Vial : 4 Sample Multiplier: 1

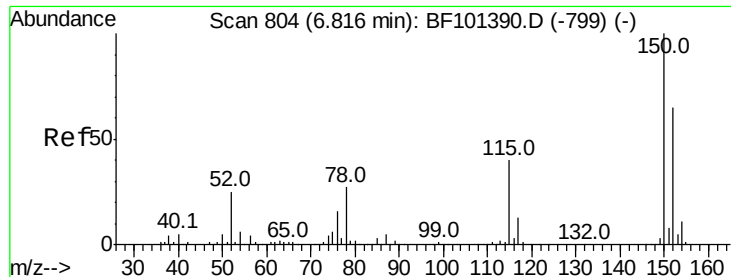
Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

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Quant Time: Dec 28 14:20:10 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

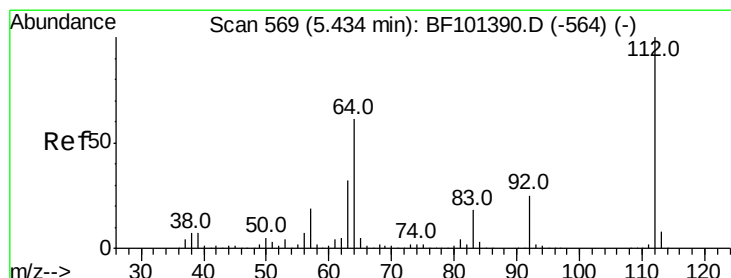
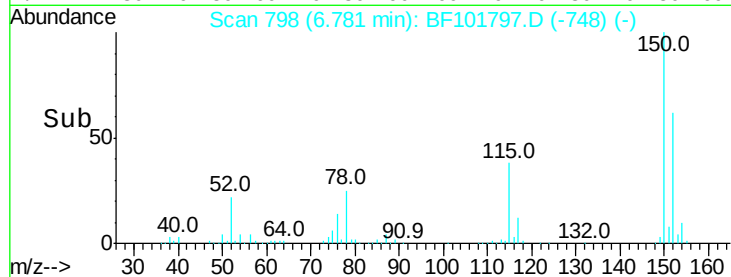
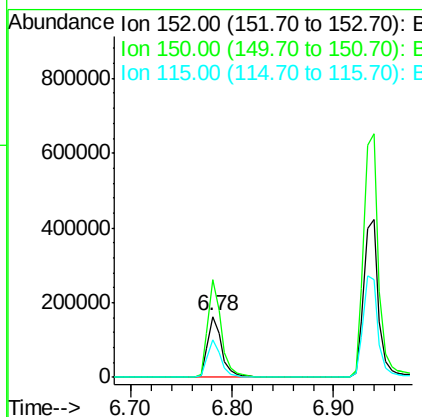
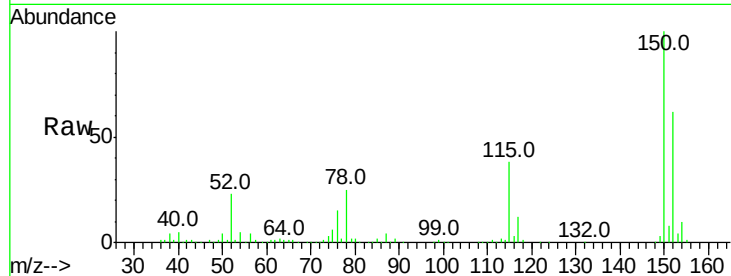
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	61.1	50.1	75.1

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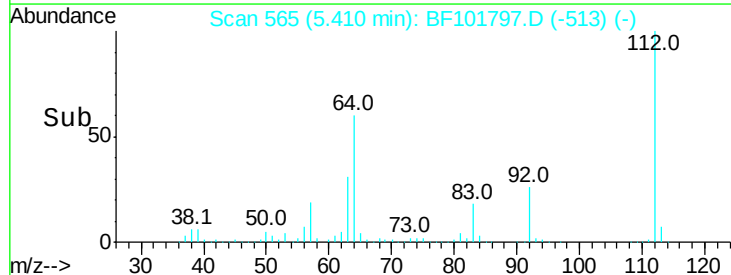
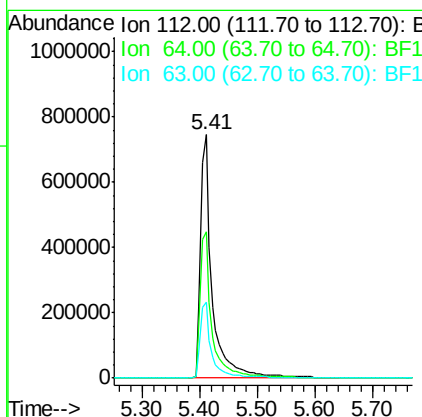
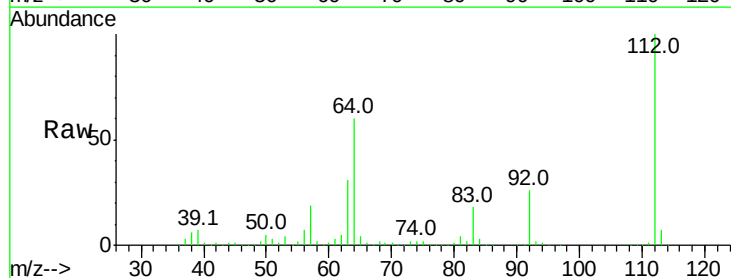
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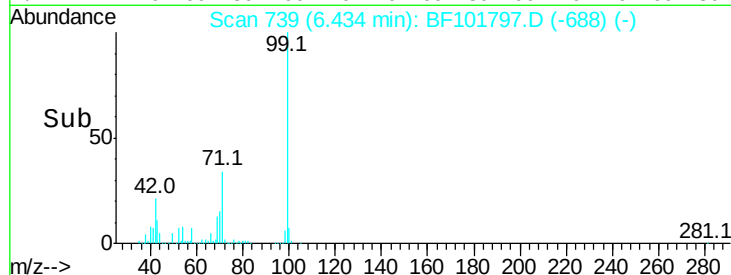
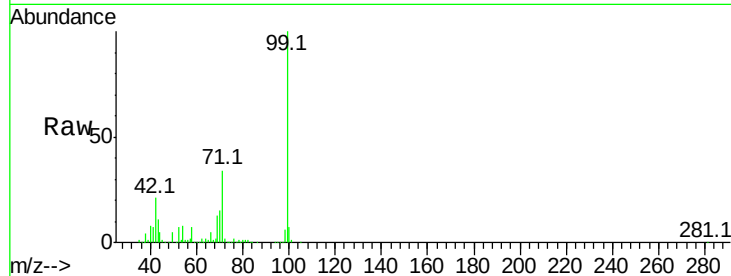
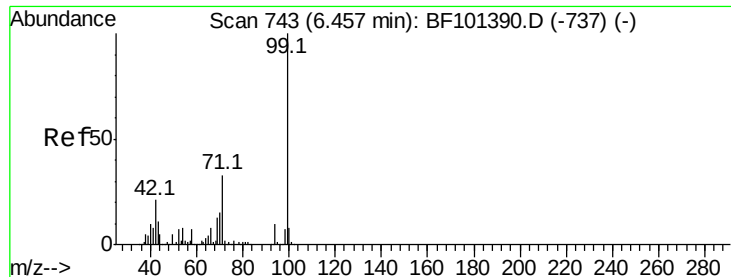


#5

2-Fluorophenol
Concen: 100.965 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 96.843 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Tot Ion: 99 Resp: 1272523

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 34.1 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

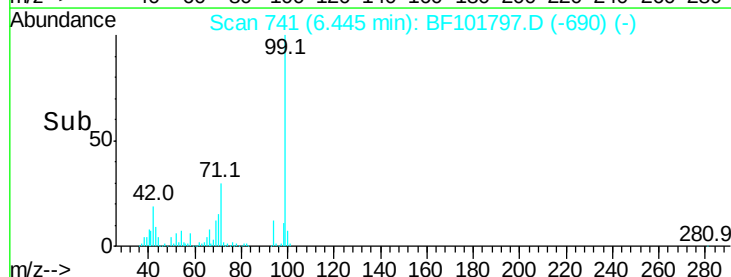
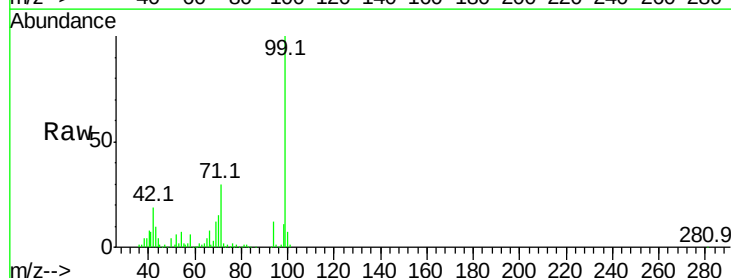
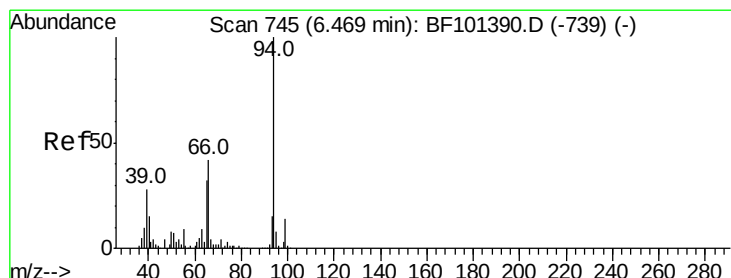
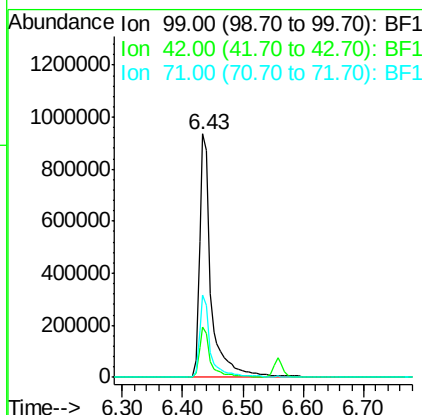
SAMPLE-8

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#10

Phenol

Concen: 4.298 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

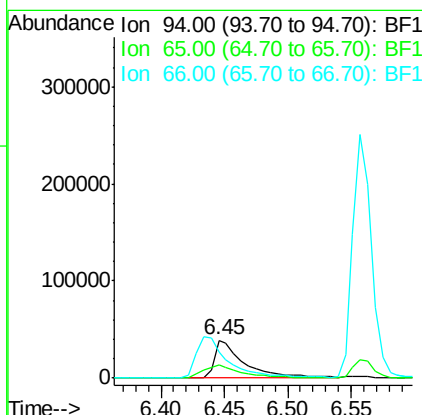
Tgt Ion: 94 Resp: 64377

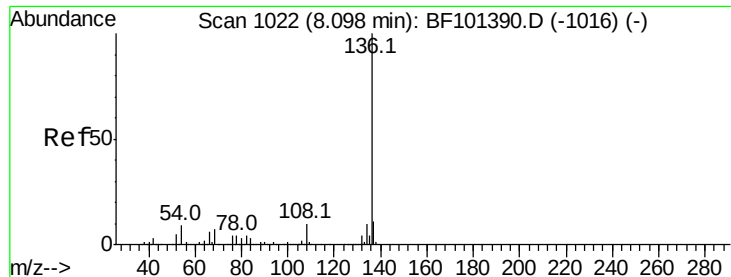
Ion Ratio Lower Upper

94 100

65 35.3 7.9 47.9

66 68.9 16.2 56.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Instrument :

BNA_F

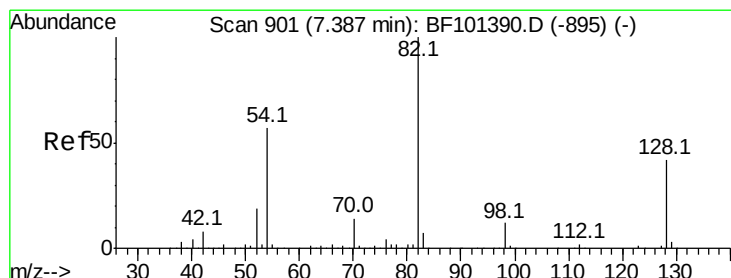
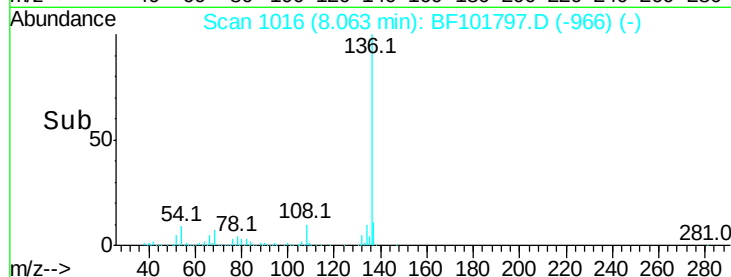
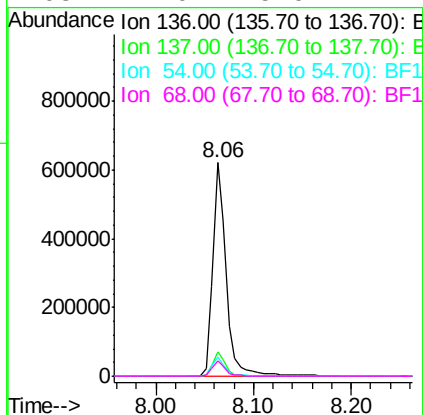
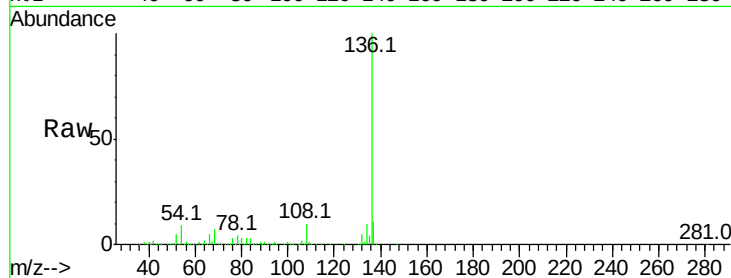
ClientSampled :

SAMPLE-8

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	9.2	6.6	9.8	
68	7.0	5.0	7.4	

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#23

Nitrobenzene-d5

Concen: 74.728 ng

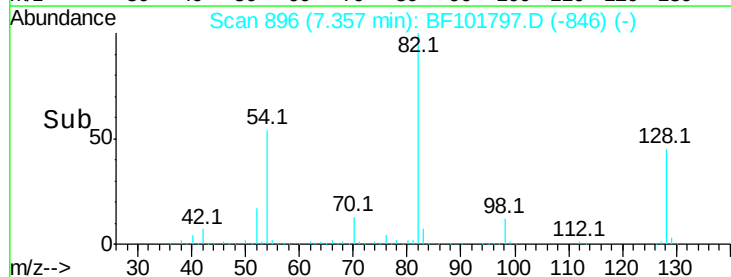
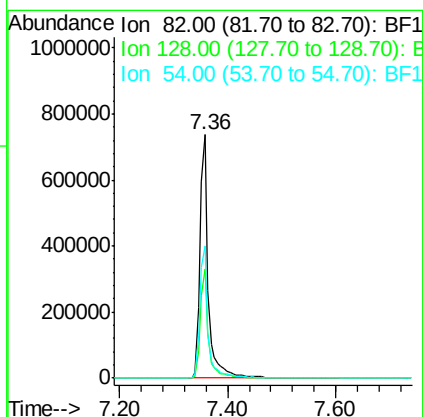
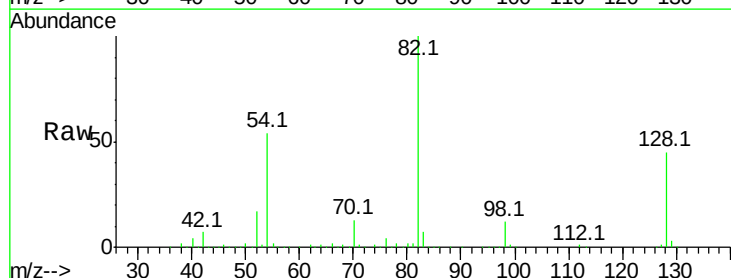
RT: 7.36 min Scan# 896

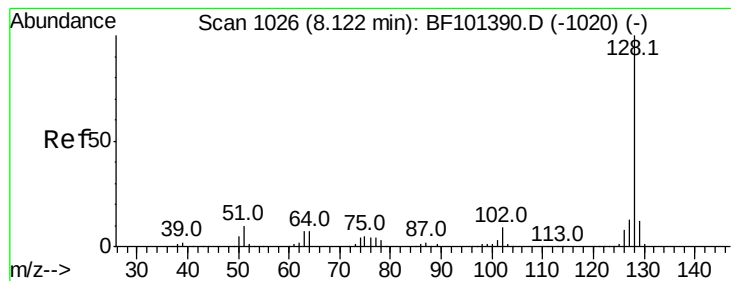
Delta R.T. -0.01 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.0	36.1	54.1	
54	54.3	41.4	62.2	





#31

Naphthalene

Concen: 2.464 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Instrument :

BNA_F

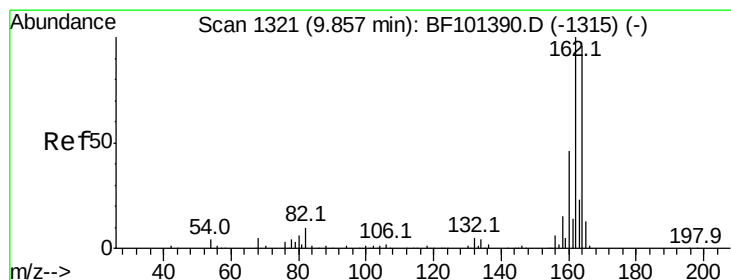
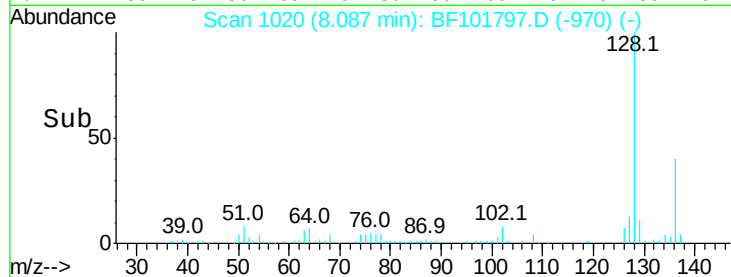
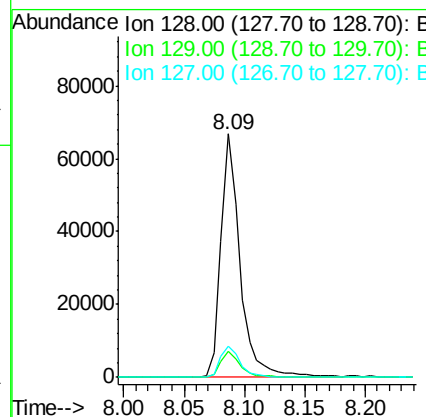
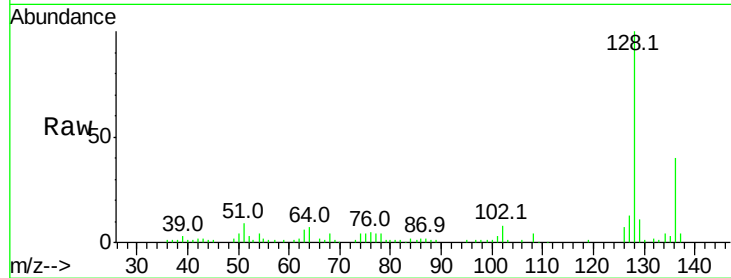
ClientSampled :

SAMPLE-8

Tot Ion:	128	Resp:	73247
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	13.0	10.9	16.3

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#38

Acenaphthene-d10

Concen: 20.000 ng

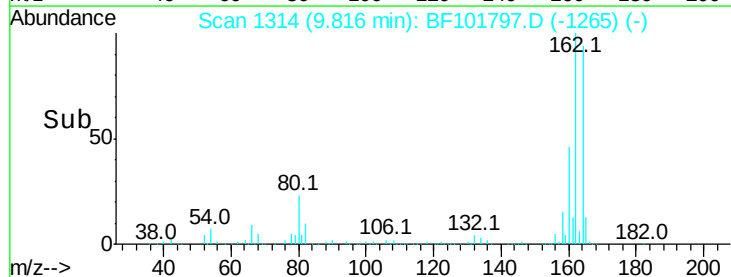
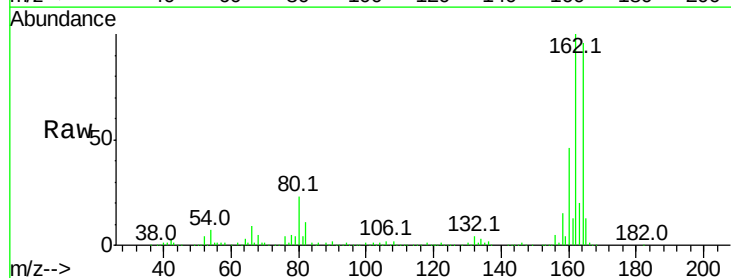
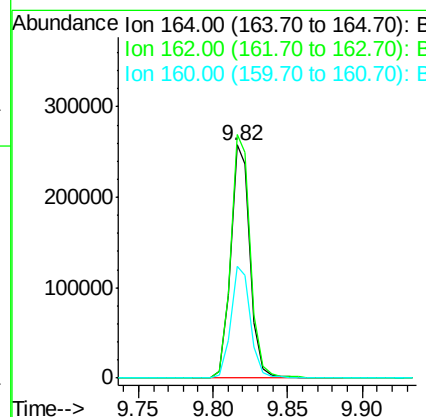
RT: 9.82 min Scan# 1314

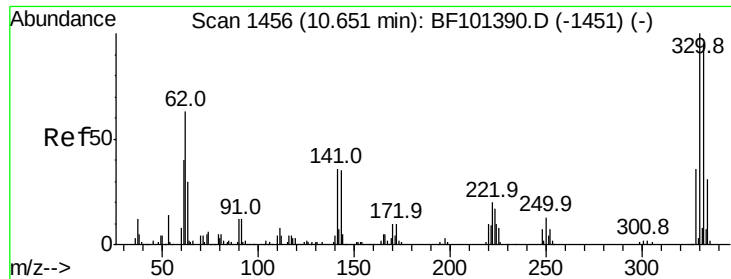
Delta R.T. -0.01 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Tgt Ion:	164	Resp:	239694
Ion Ratio	Lower	Upper	
164	100		
162	104.4	86.1	129.1
160	48.0	38.3	57.5





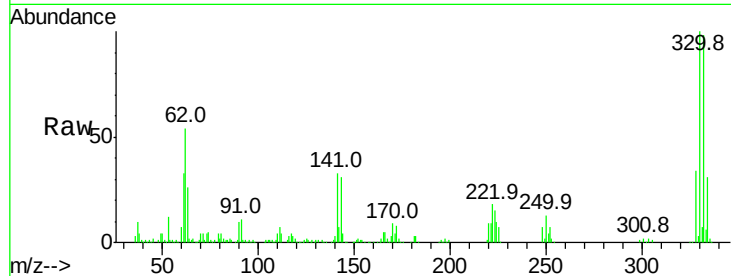
#41
2,4,6-Tribromophenol
Concen: 97.779 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

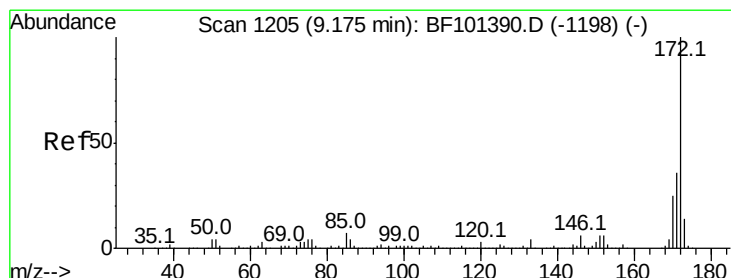
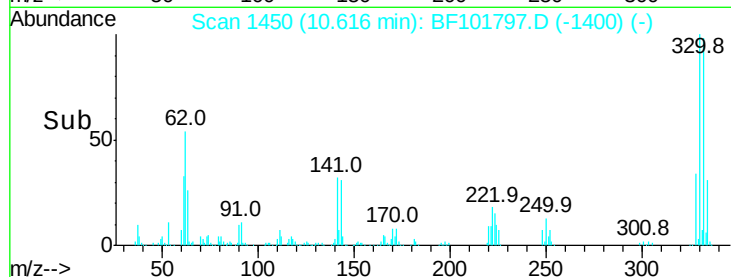
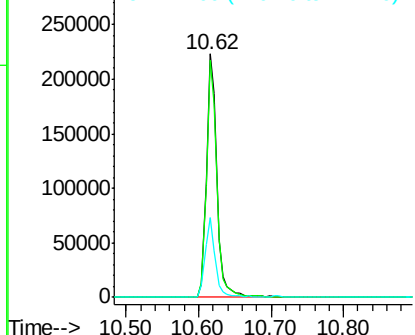
Tot Ion	Ratio	Resp	Lower	Upper
330	100	225835		
332	96.0	77.0	115.6	
141	31.9	29.9	44.9	

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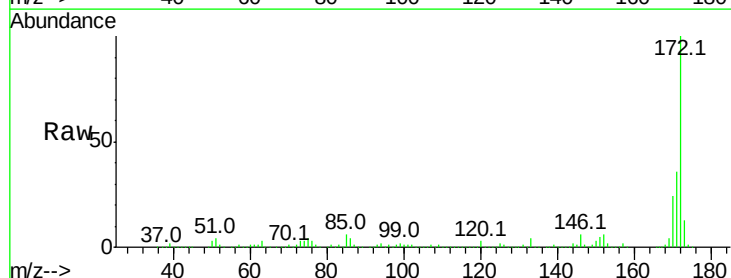


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

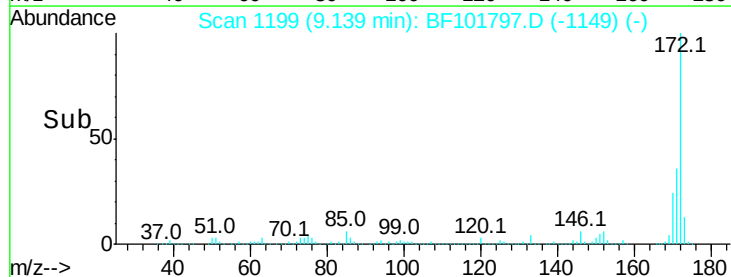
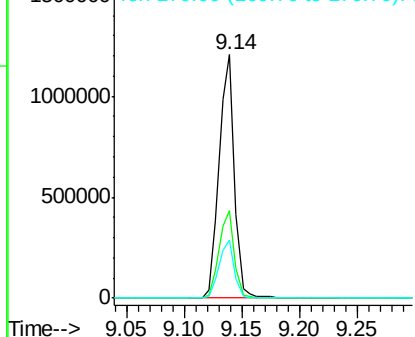


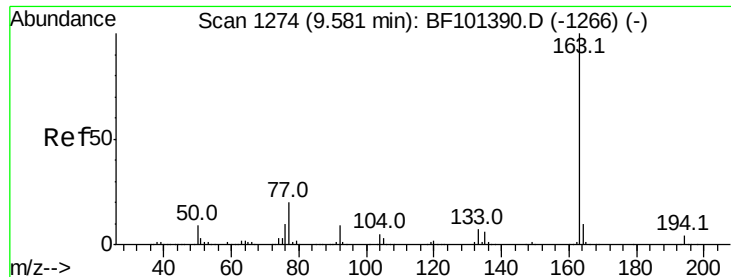
#44
2-Fluorobiphenyl
Concen: 71.849 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1110197		
171	35.9	29.7	44.5	
170	23.9	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





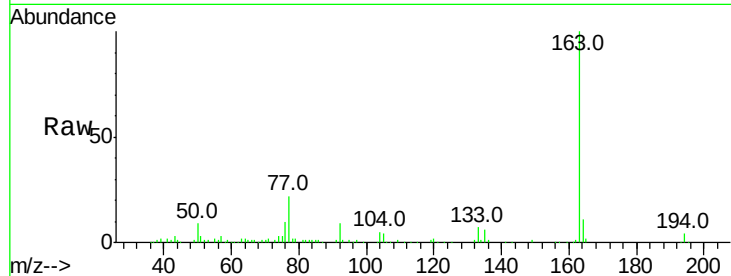
#49
Dimethylphthalate
Concen: 5.454 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

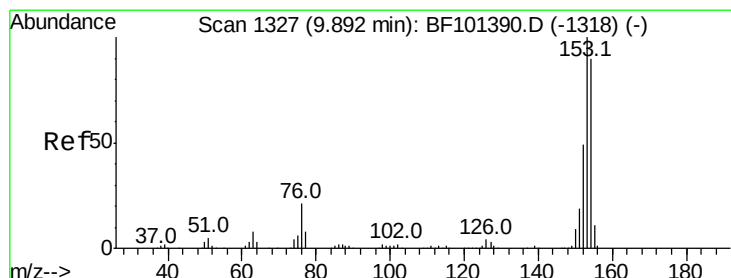
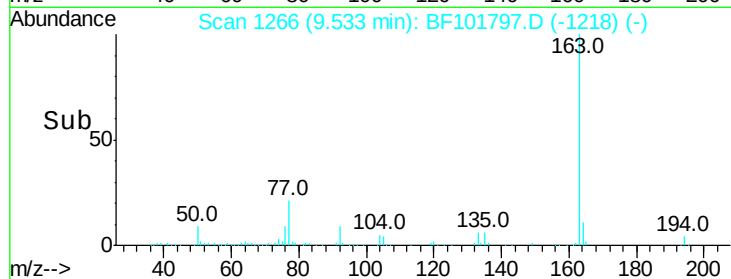
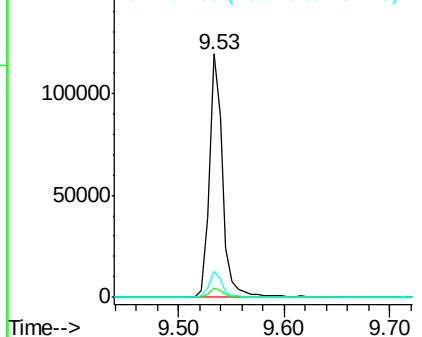
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	2.7	4.1	
164	10.9	8.2	12.2	

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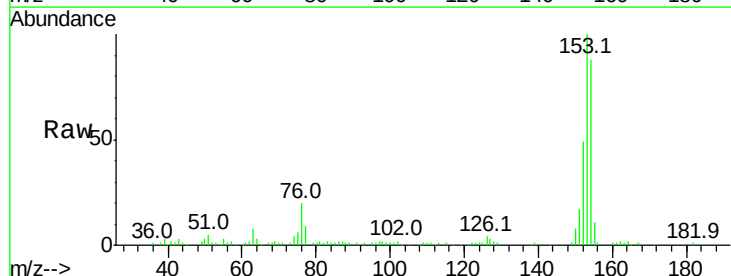


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

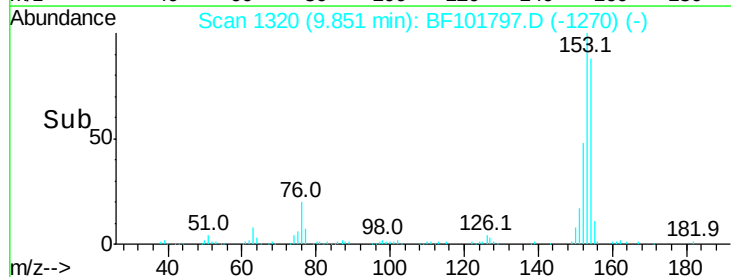
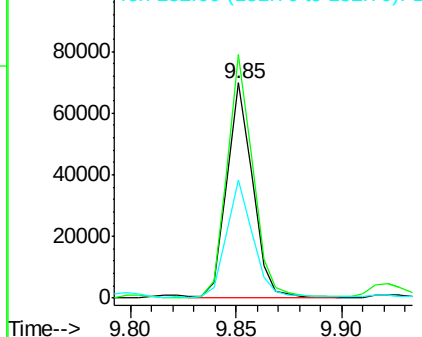


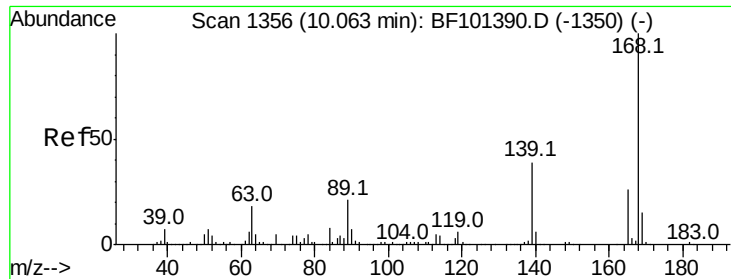
#51
Acenaphthene
Concen: 3.837 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.1	91.2	136.8	
152	55.1	43.8	65.8	



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





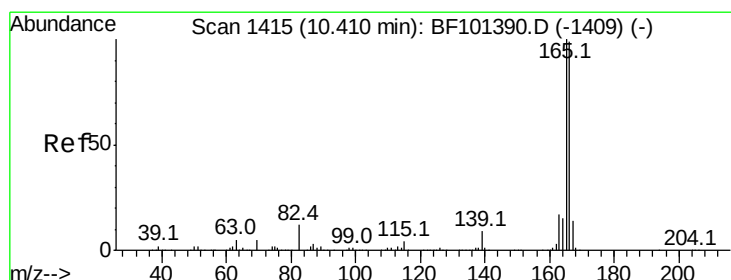
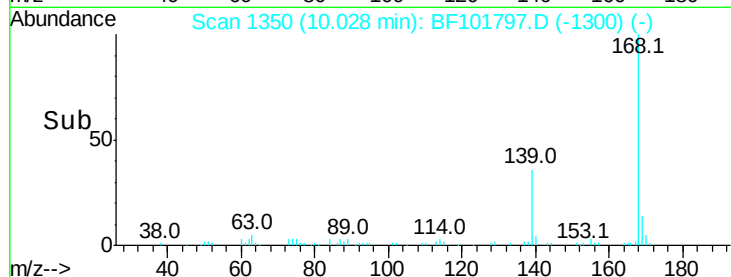
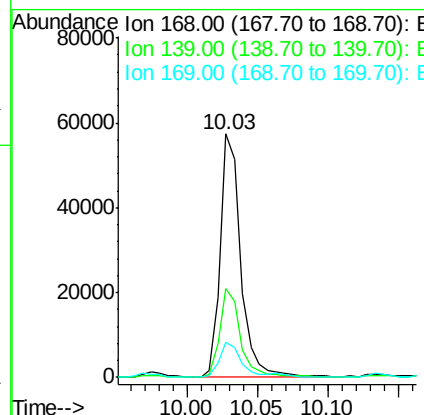
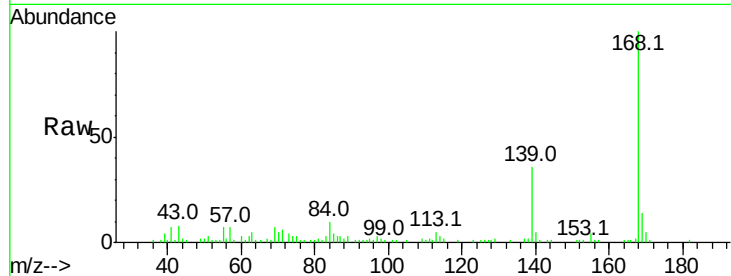
#54
Dibenzofuran
Concen: 2.961 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.2	30.1	45.1
169	14.4	10.9	16.3

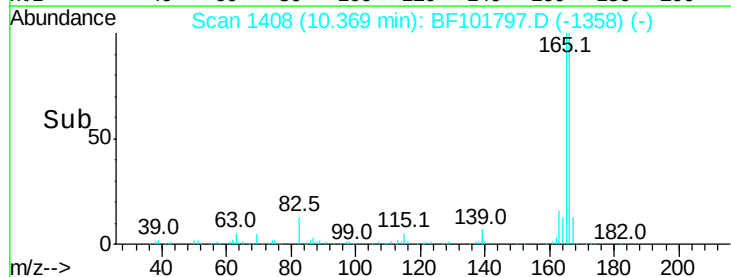
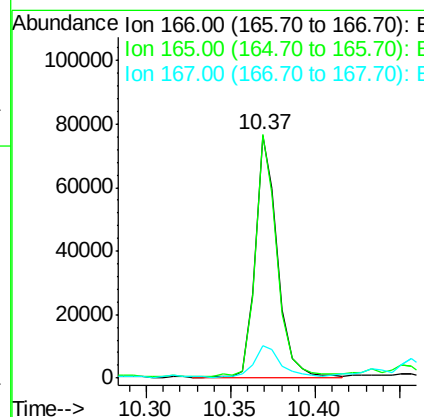
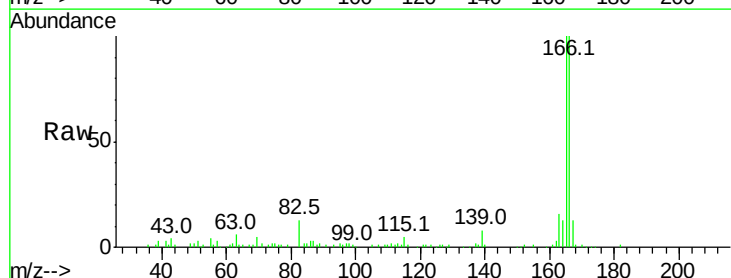
Manual Integrations
APPROVED

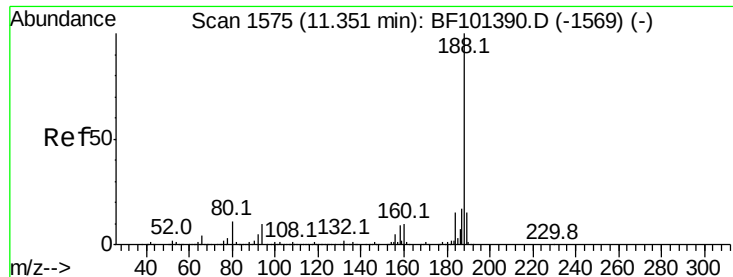
Sohil
12/29/2017 11:55:01 AM



#57
Fluorene
Concen: 4.272 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	13.3	10.6	16.0





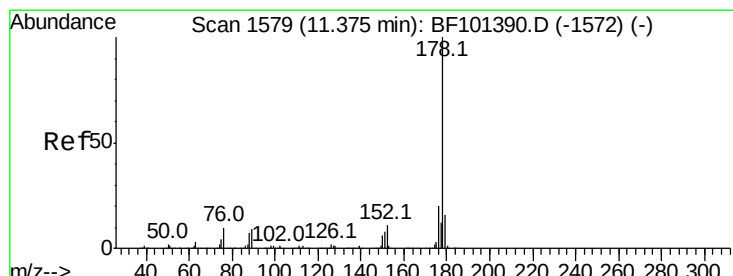
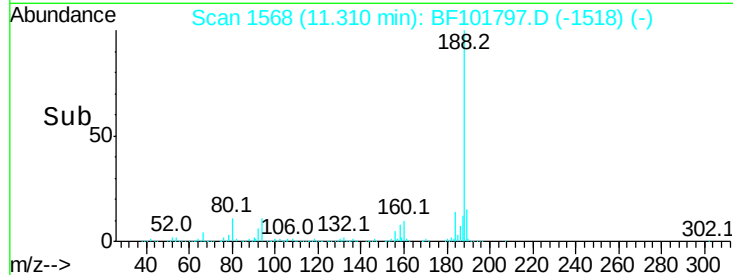
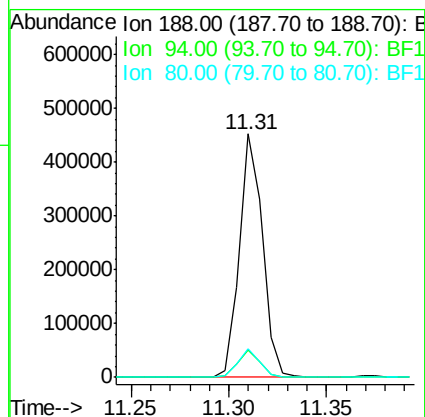
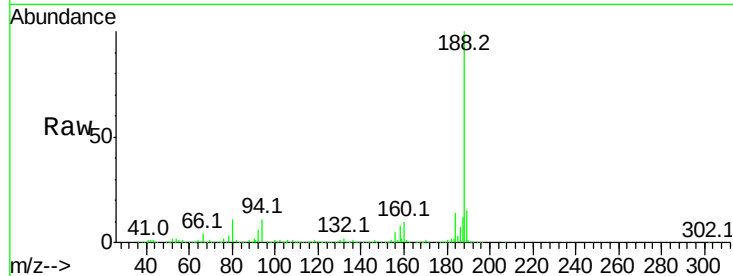
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

Tot Ion	Ratio	Resp	Lower	Upper
188	100	372183		
94	11.2	8.5	12.7	
80	11.5	9.2	13.8	

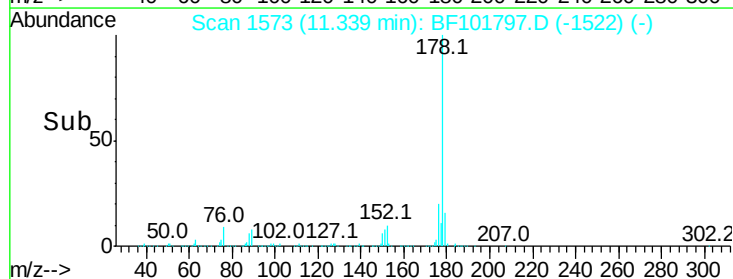
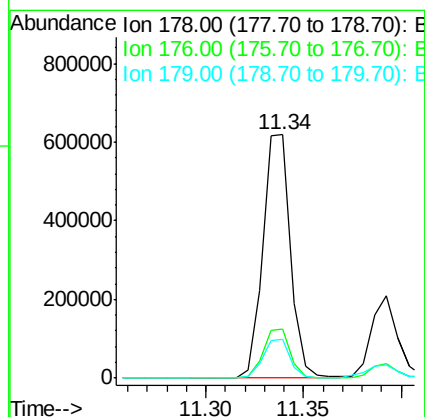
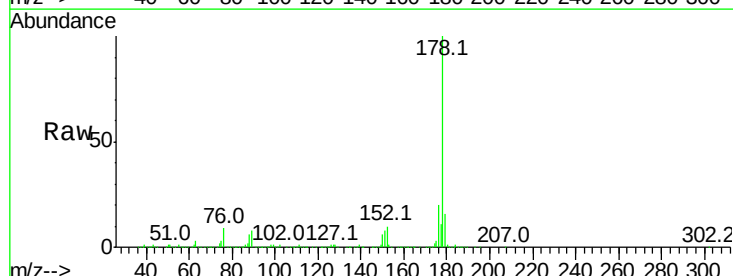
Manual Integrations
APPROVED

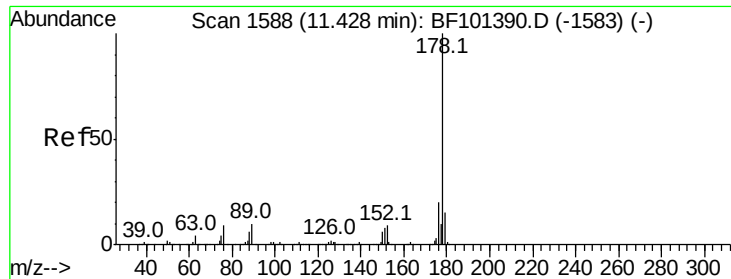
Sohil
12/29/2017 11:55:01 AM



#70
Phenanthrene
Concen: 29.307 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	606596		
176	19.9	15.8	23.8	
179	15.8	13.0	19.6	





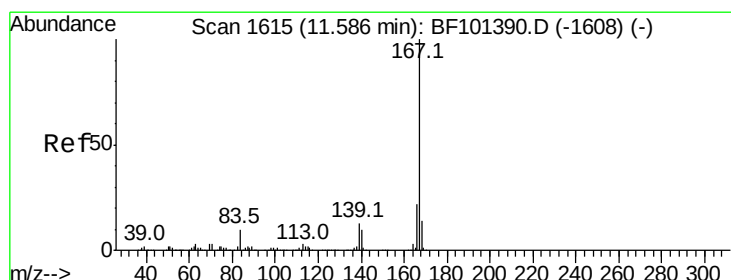
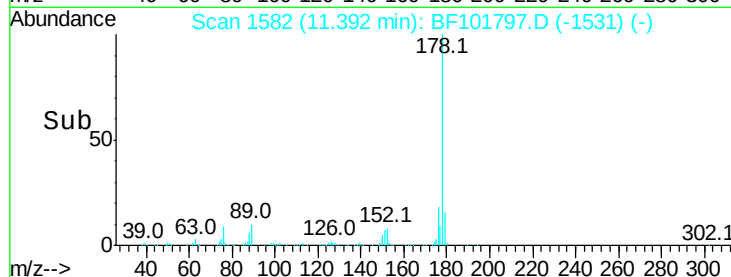
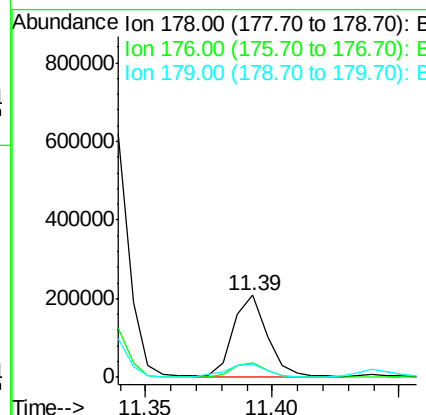
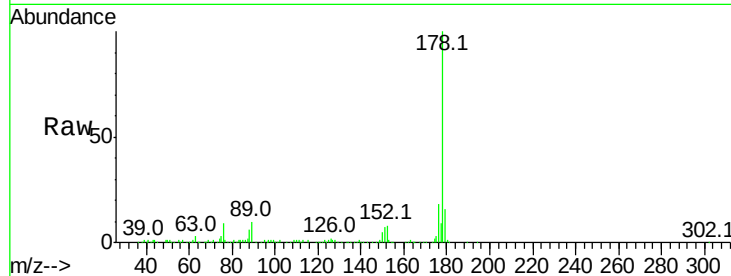
#71
 Anthracene
 Concen: 9.052 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: BF101797.D
 Acq: 28 Dec 2017 12:56

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	16.1	12.6	19.0

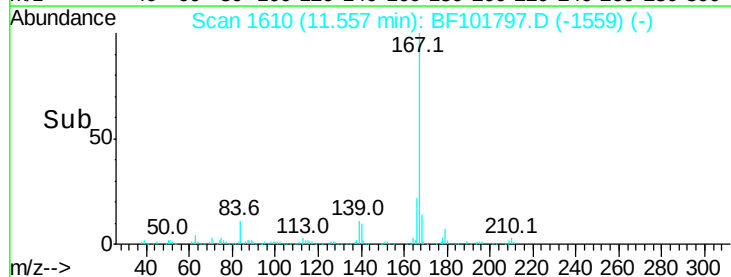
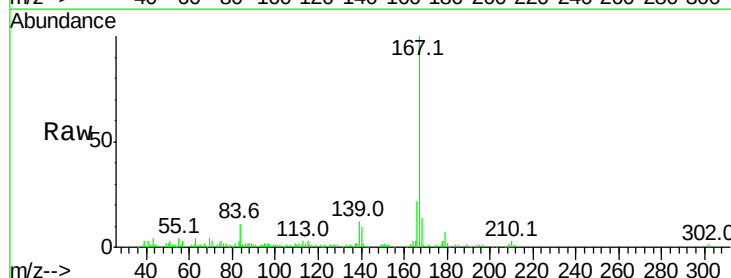
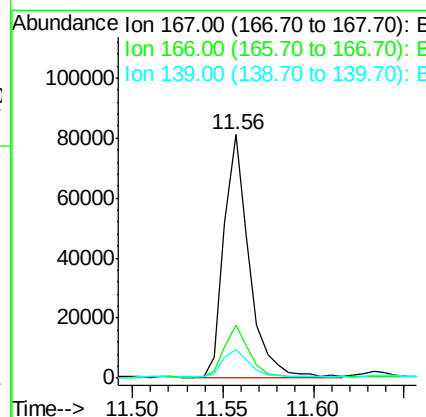
Manual Integrations
 APPROVED

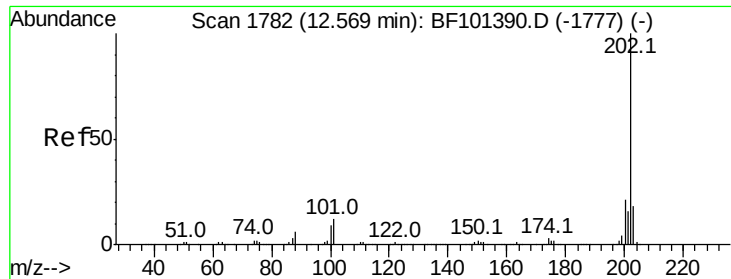
Sohil
 12/29/2017 11:55:01 AM



#72
 Carbazole
 Concen: 3.926 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF101797.D
 Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.6	26.4
139	11.8	10.9	16.3





#74

Fluoranthene

Concen: 32.794 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Instrument :

BNA_F

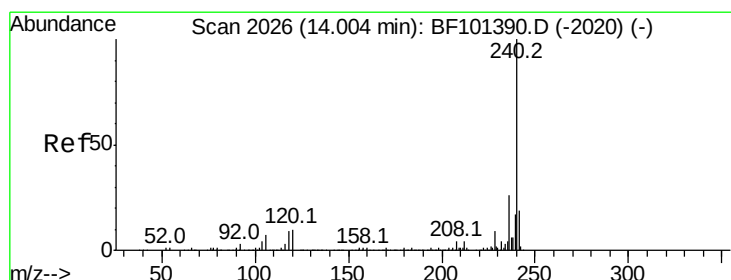
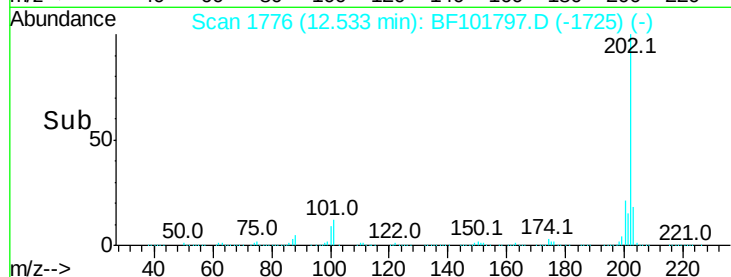
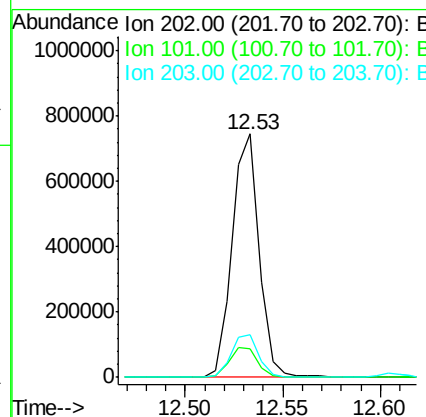
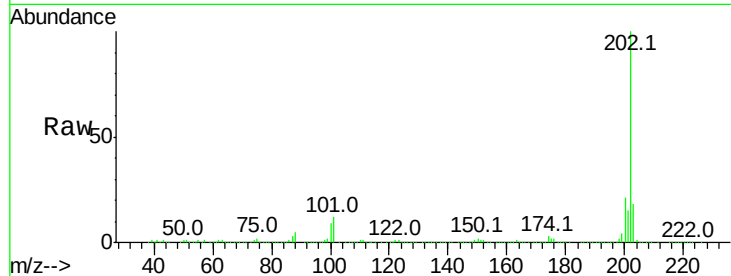
ClientSampled :

SAMPLE-8

Tot Ion	Ratio	Resp	Lower	Upper
202	100	712459		
101	11.9	0.0	34.1	
203	17.5	0.0	38.1	

Manual Integrations
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Sohil
12/29/2017 11:55:01 AM



#75

Chrysene-d12

Concen: 20.000 ng

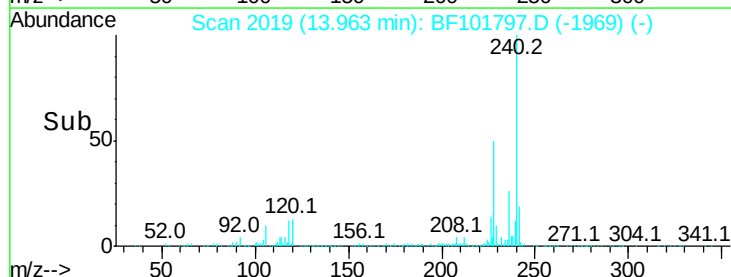
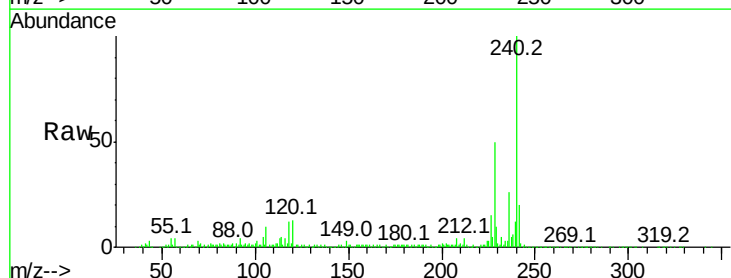
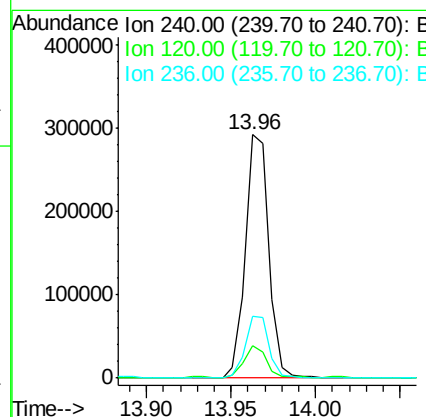
RT: 13.96 min Scan# 2019

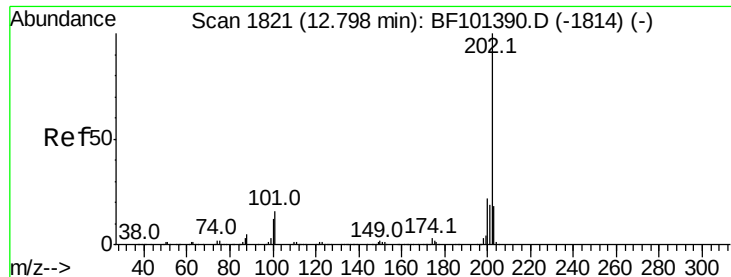
Delta R.T. -0.01 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	281042		
120	13.2	9.5	14.3	
236	25.6	20.7	31.1	





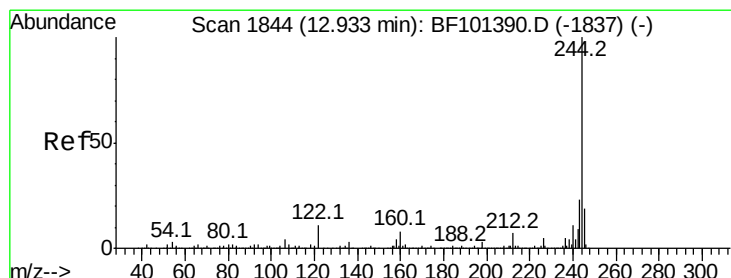
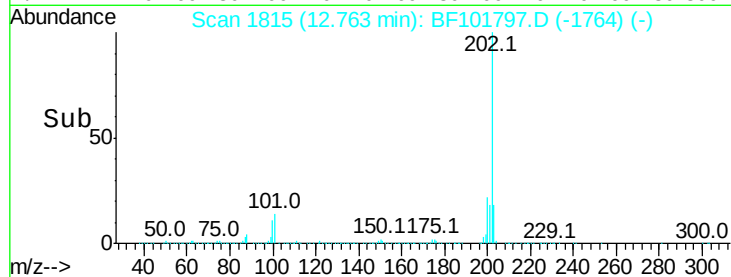
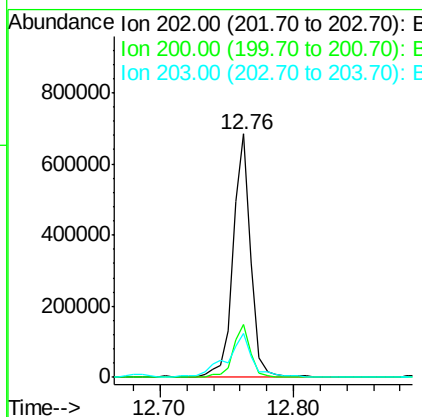
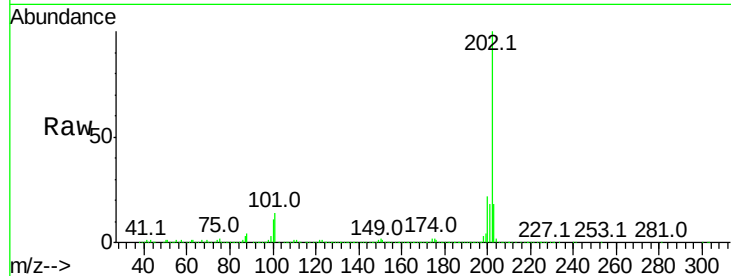
#77
Pvrene
Concen: 29.847 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.9	14.3	21.5

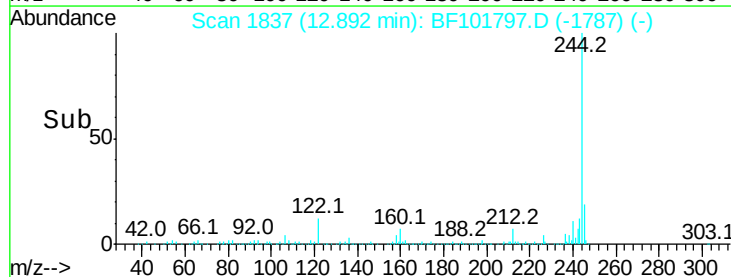
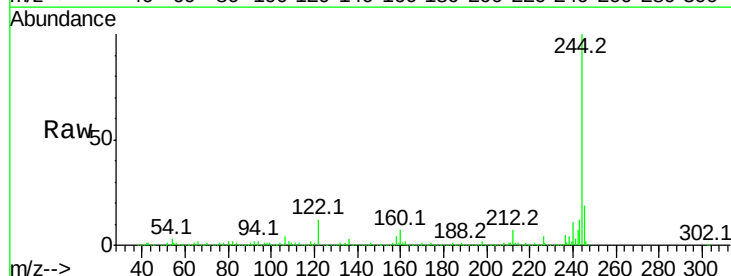
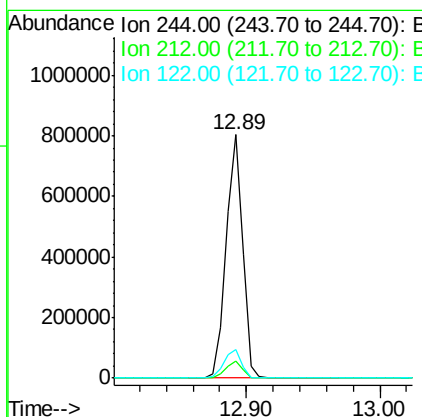
Manual Integrations
APPROVED

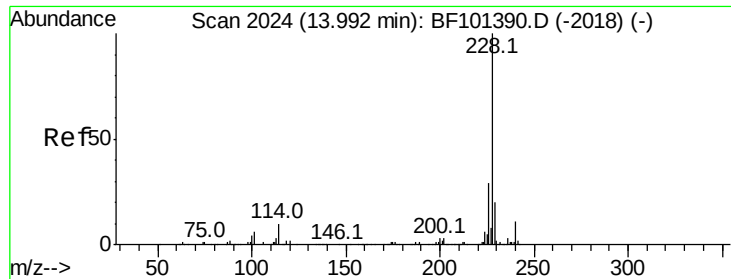
Sohil
12/29/2017 11:55:01 AM



#78
Terphenyl-d14
Concen: 60.706 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.7	11.0	16.4





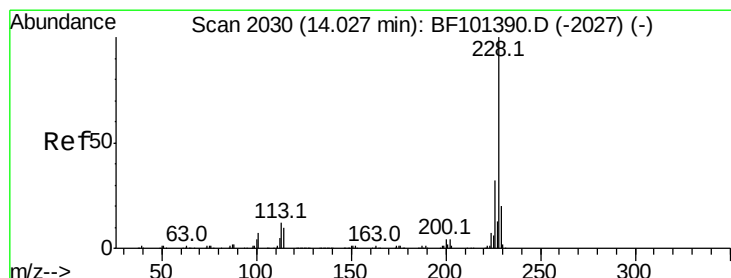
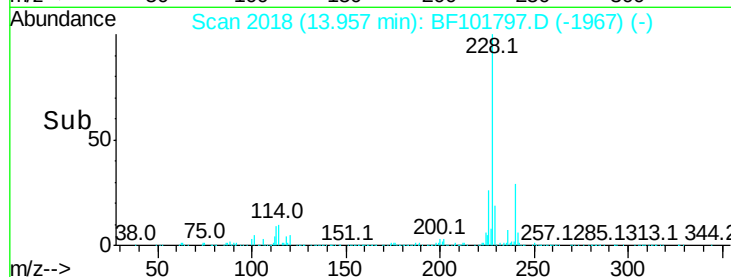
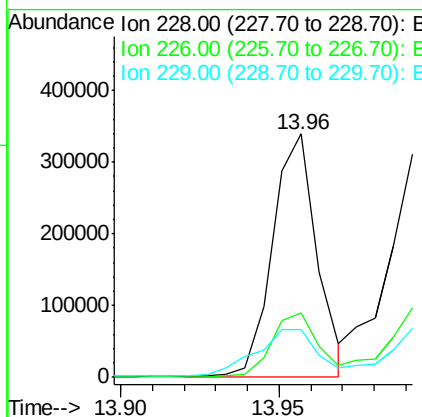
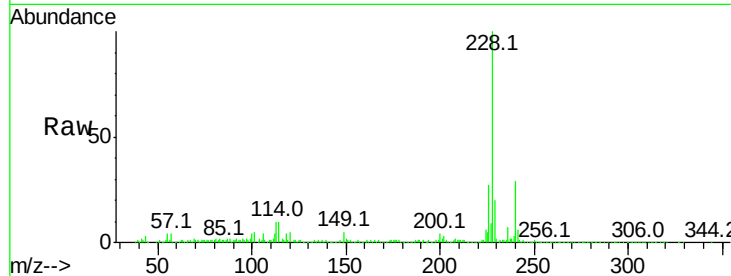
#80
Benzo(a)anthracene
Concen: 17.683 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

Tot Ion	Ratio	Resp	Lower	Upper
228	100	328151		
226	26.6		22.6	33.8
229	19.6		15.8	23.6

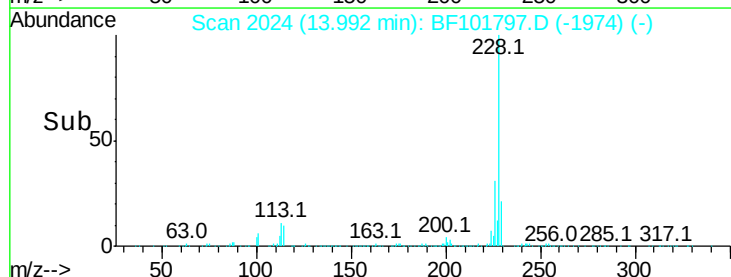
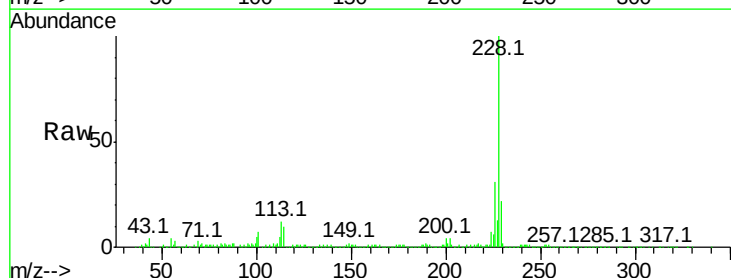
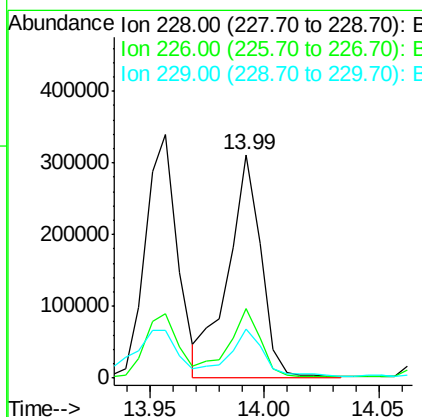
Manual Integrations
APPROVED

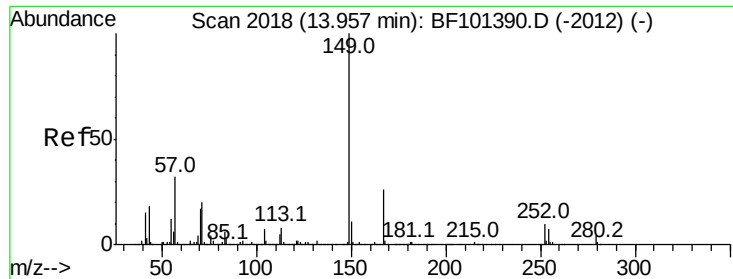
Sohil
12/29/2017 11:55:01 AM



#82
Chrysene
Concen: 18.042 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	316135		
226	31.2		25.0	37.6
229	21.7		16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.421 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Instrument :

BNA_F

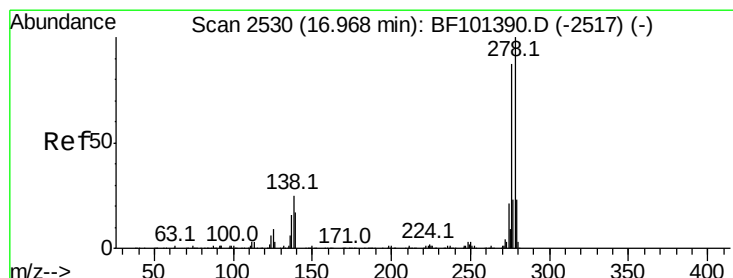
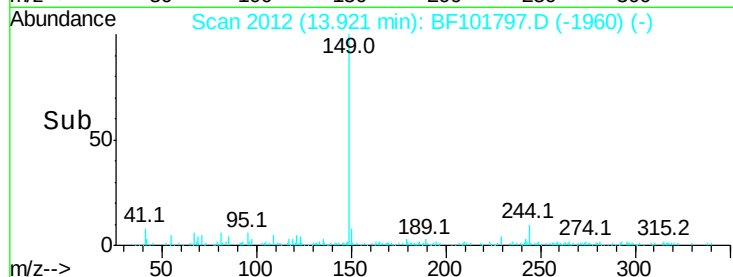
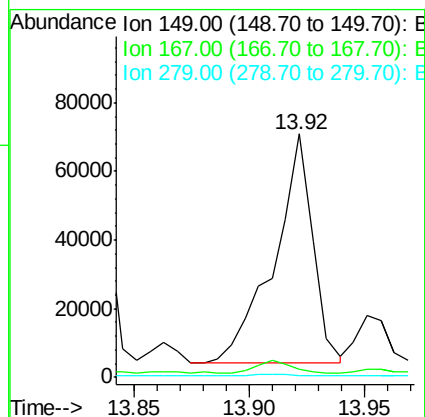
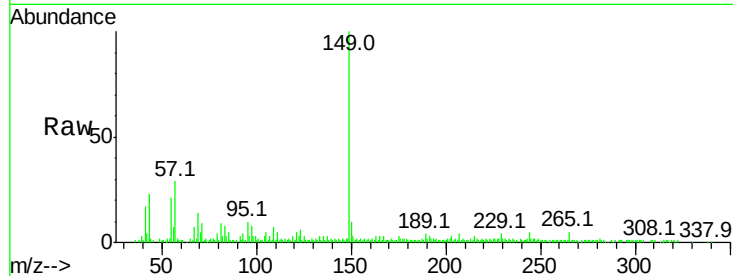
ClientSampleId :

SAMPLE-8

Tot Ion:	149	Resp:	77619
Ion Ratio	Lower	Upper	
149	100		
167	3.2	21.3	31.9#
279	0.7	3.0	4.4#

Manual Integrations
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Sohil
12/29/2017 11:55:01 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.819 ng

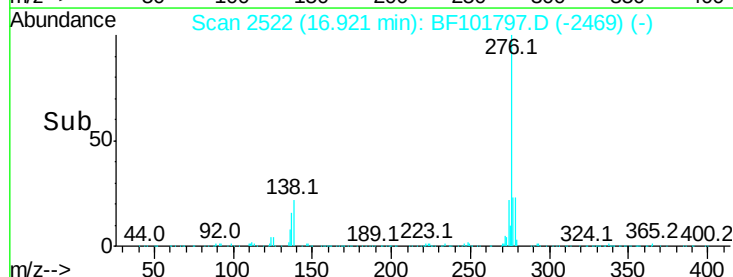
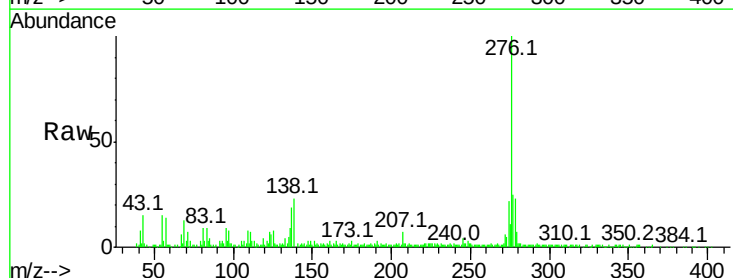
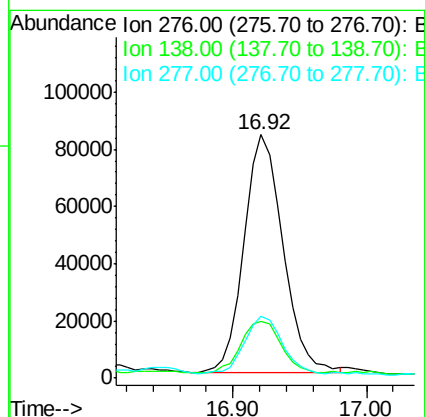
RT: 16.92 min Scan# 2522

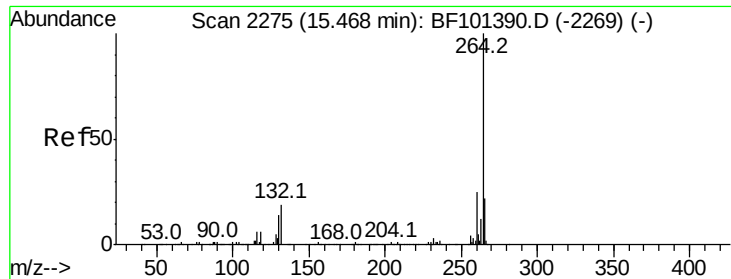
Delta R.T. 0.01 min

Lab File: BF101797.D

Acq: 28 Dec 2017 12:56

Tgt Ion:	276	Resp:	168803
Ion Ratio	Lower	Upper	
276	100		
138	24.6	25.0	37.6#
277	23.3	20.1	30.1





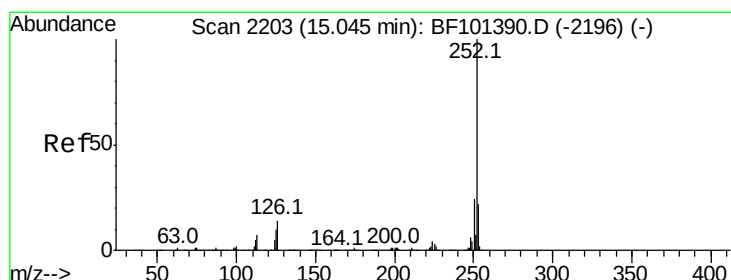
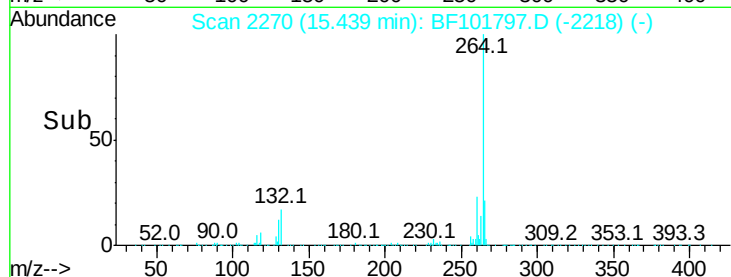
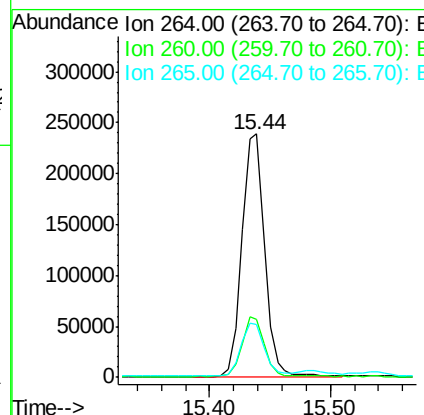
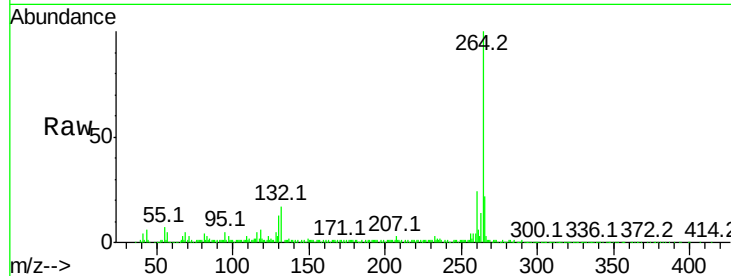
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3

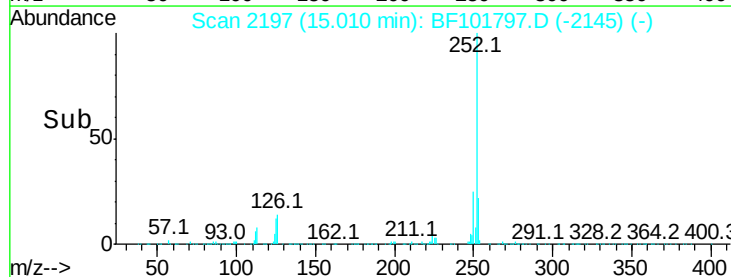
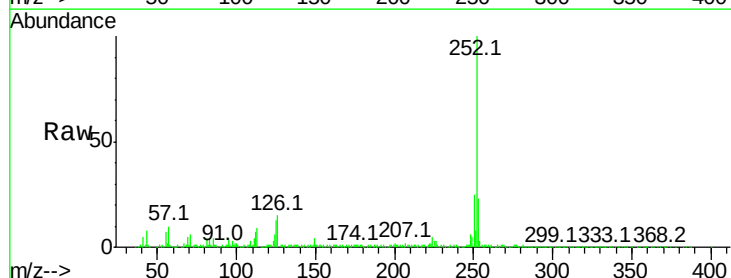
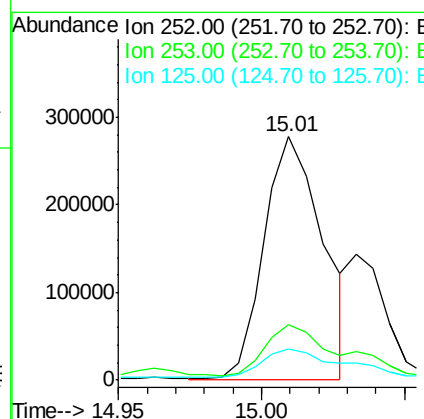
Manual Integrations
APPROVED

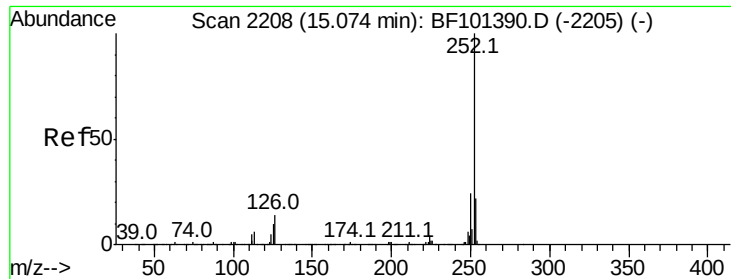
Sohil
12/29/2017 11:55:01 AM



#87
Benzo(b)fluoranthene
Concen: 20.799 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.9	9.0	13.6





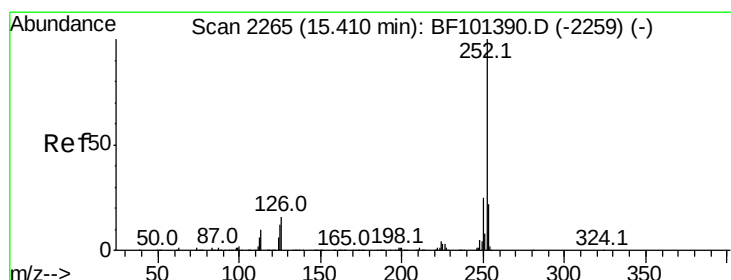
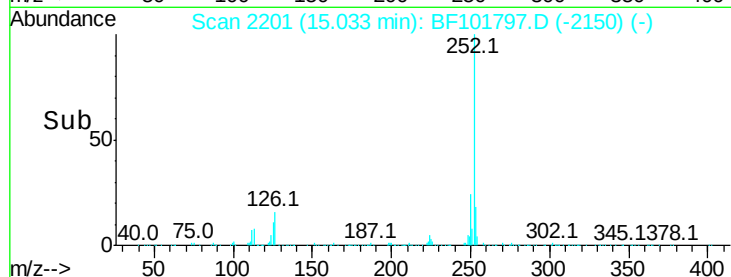
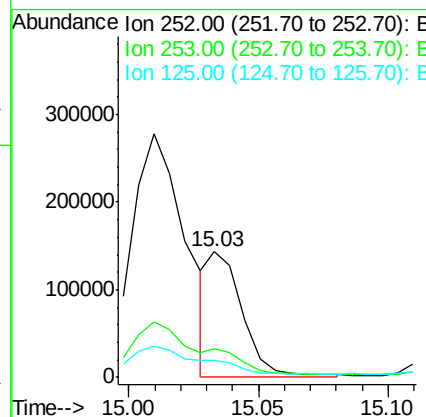
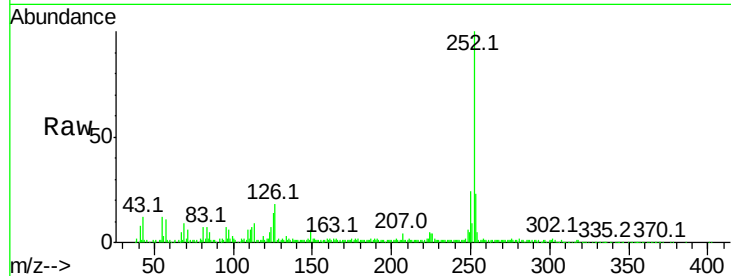
#88
Benzo(k)fluoranthene
Concen: 7.222 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8

Tot Ion	Ratio	Resp	Lower	Upper
252	100	133932		
253	22.9	17.9	26.9	
125	13.9	10.2	15.2	

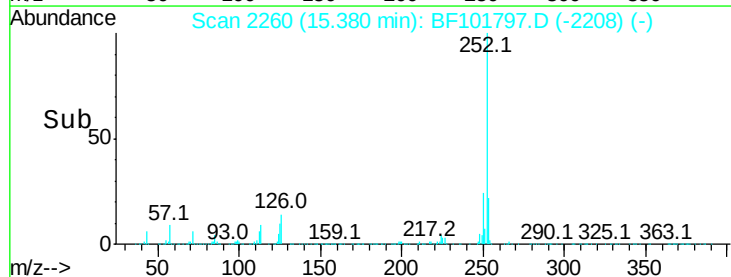
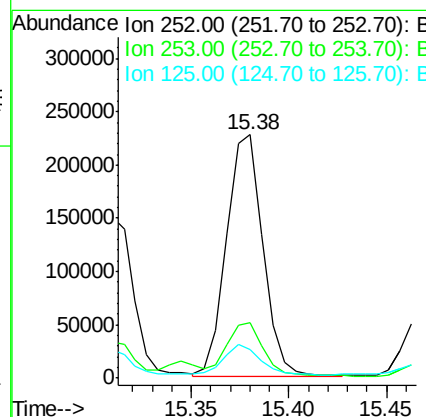
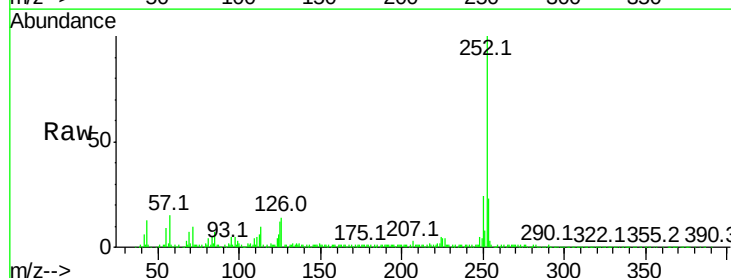
Manual Integrations
APPROVED

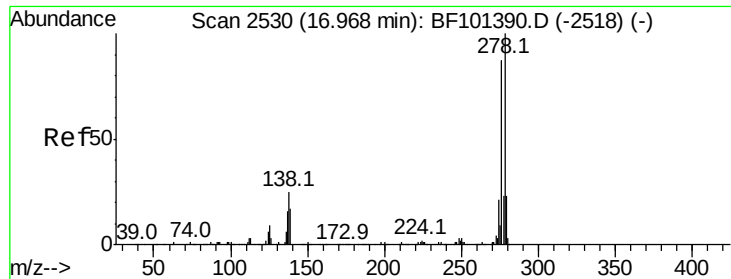
Sohil
12/29/2017 11:55:01 AM



#89
Benzo(a)pyrene
Concen: 16.731 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	294199		
253	22.9	17.1	25.7	
125	11.8	9.8	14.6	





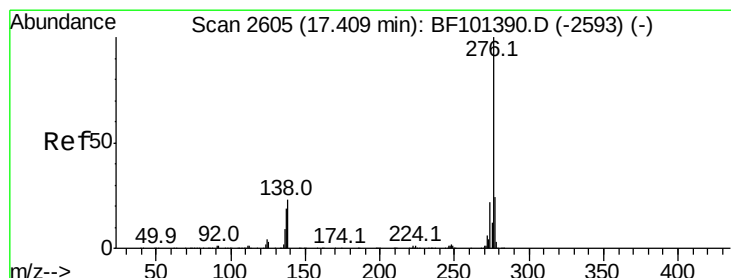
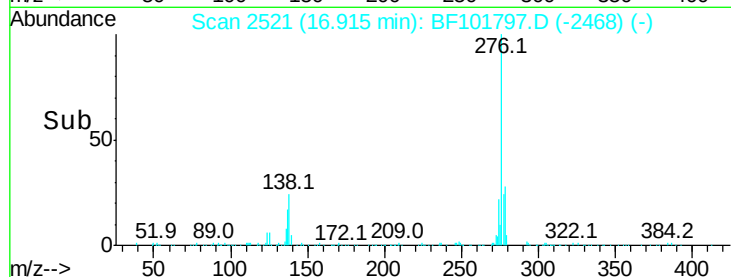
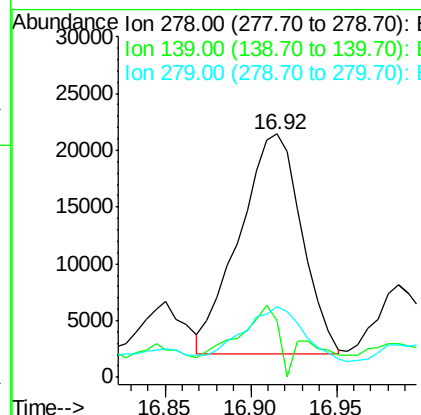
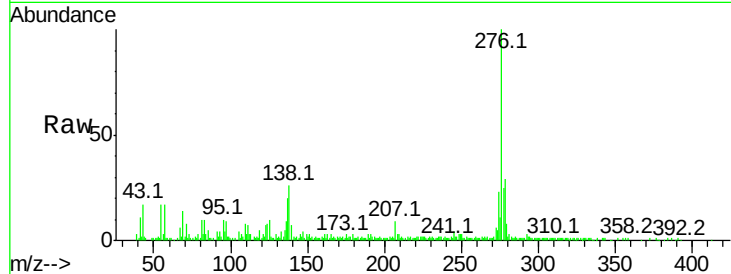
#90
Dibenzo(a,h)anthracene
Concen: 3.242 ng m
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Instrument :
BNA_F
ClientSampled :
SAMPLE-8

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.5	15.9	23.9
279	28.9	19.0	28.4

Manual Integrations
APPROVED

Sohil
12/29/2017 11:55:01 AM



#91
Benzo(g,h,i)perylene
Concen: 10.417 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF101797.D
Acq: 28 Dec 2017 12:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	25.2	21.8	32.8

