

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101659.D
 Acq On : 22 Dec 2017 17:53
 Operator : SJ/JU
 Sample : I6683-11 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-C

Manual Integrations
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Quant Time: Dec 22 23:26:44 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	160025	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	605506	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	253516	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	428326	20.00	ng	0.00
75) Chrysene-d12	13.97	240	299874	20.00	ng	0.00
86) Perylene-d12	15.43	264	312268	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	505408	47.05	ng	0.00
7) Phenol-d6	6.43	99	619783	46.36	ng	0.00
23) Nitrobenzene-d5	7.36	82	376164	34.58	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	110857	45.38	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	593671	36.33	ng	0.00
78) Terphenyl-d14	12.90	244	445841	35.84	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	298109	9.779	ng	98
37) 2-Methylnaphthalene	8.78	142	193330	9.734	ng	98
48) Acenaphthylene	9.69	152	77632	2.857	ng	# 97
49) Dimethylphthalate	9.54	163	69499	3.408	ng	99
51) Acenaphthene	9.86	154	141554	8.671	ng	99
54) Dibenzofuran	10.03	168	178067	8.583	ng	# 95
57) Fluorene	10.37	166	284667	16.220	ng	99
70) Phenanthrene	11.35	178	1394913	58.561	ng	98
71) Anthracene	11.39	178	530177	21.790	ng	99
72) Carbazole	11.56	167	95822	4.206	ng	97
74) Fluoranthene	12.54	202	1500409	60.011	ng	98
77) Pyrene	12.77	202	1389898	61.758	ng	99
80) Benzo(a)anthracene	13.96	228	753055	38.031	ng	99
82) Chrysene	13.99	228	587602	31.429	ng	96
85) Indeno(1,2,3-cd)pyrene	16.90	276	263732	15.841	ng	# 91
87) Benzo(b)fluoranthene	15.01	252	648080m	34.050	ng	
88) Benzo(k)fluoranthene	15.03	252	248230m	13.414	ng	
89) Benzo(a)pyrene	15.37	252	515138	29.359	ng	98
90) Dibenzo(a,h)anthracene	16.90	278	67077	4.453	ng	# 89
91) Benzo(g,h,i)perylene	17.35	276	244098	16.363	ng	93

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

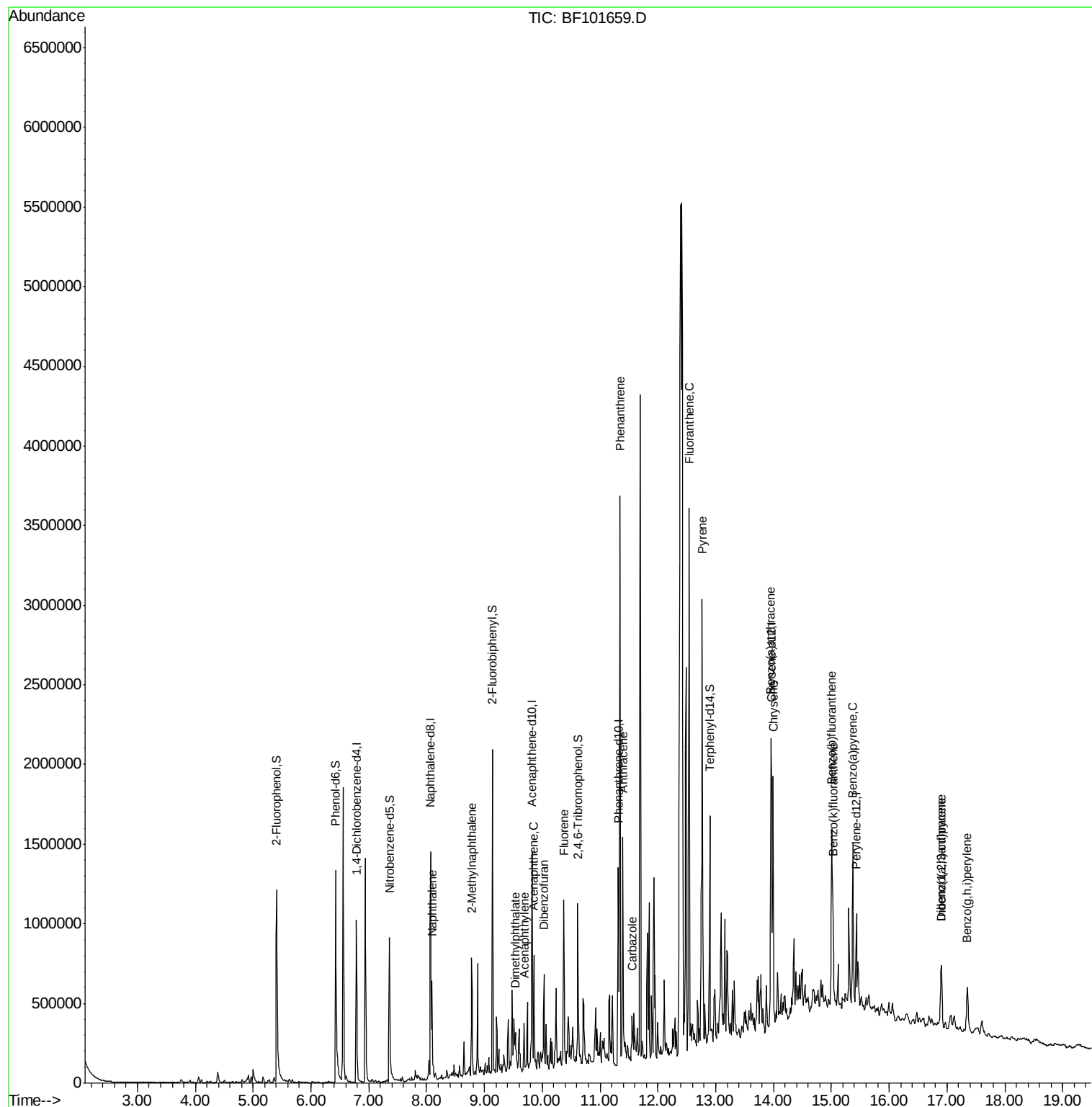
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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ALS Vial : 11 Sample Multiplier: 1

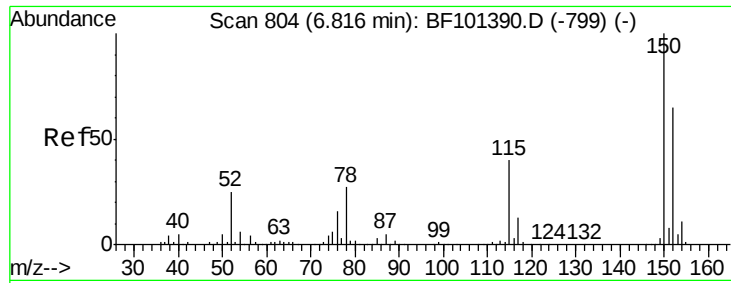
Instrument :
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ClientSampleId :
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Quant Time: Dec 22 23:26:44 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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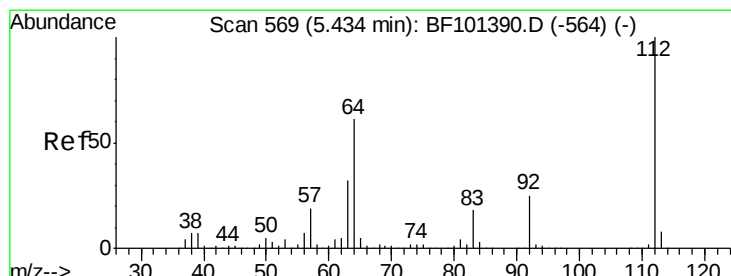
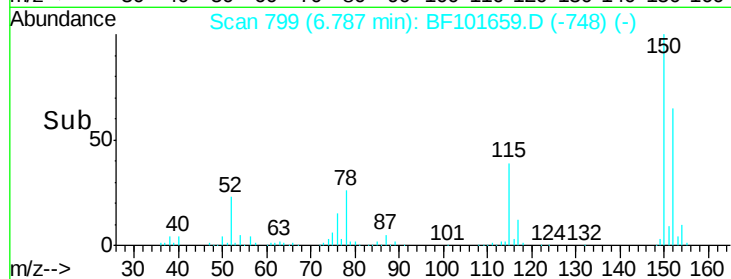
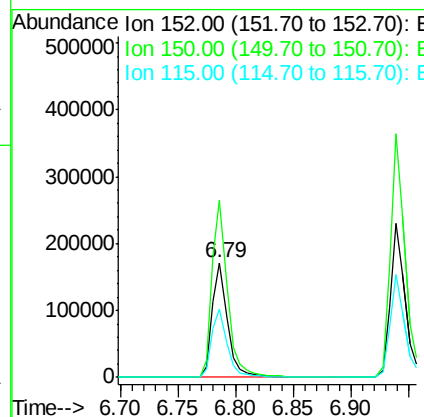
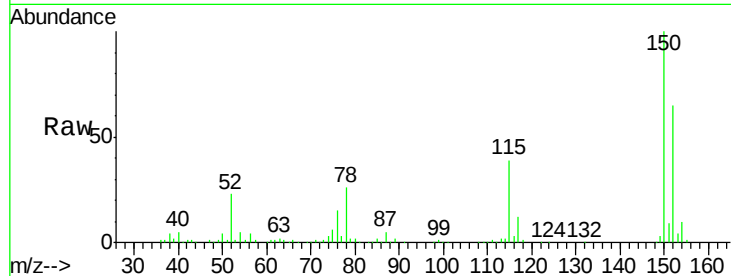
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	59.5	50.1	75.1

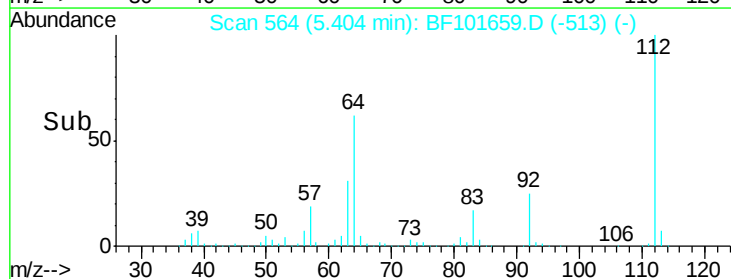
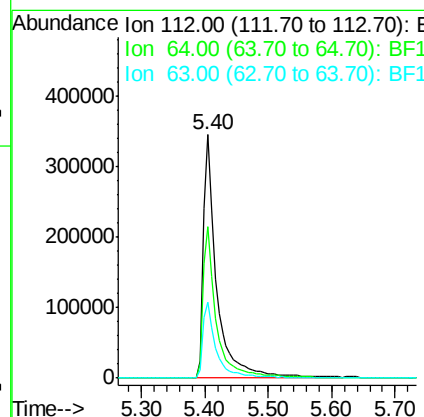
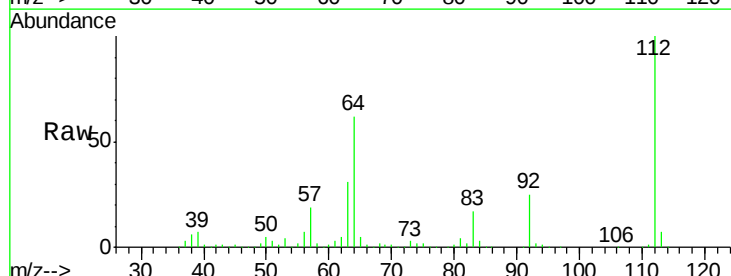
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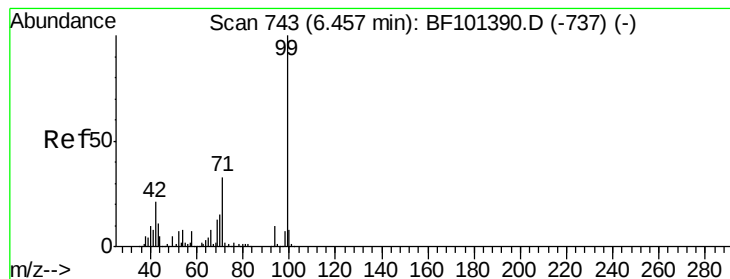
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#5
 2-Fluorophenol
 Concen: 47.045 ng
 RT: 5.40 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	47.9	71.9
63	31.3	23.7	35.5





#7

Phenol-d6

Concen: 46.356 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101659.D

Acq: 22 Dec 2017 17:53

Instrument :

BNA_F

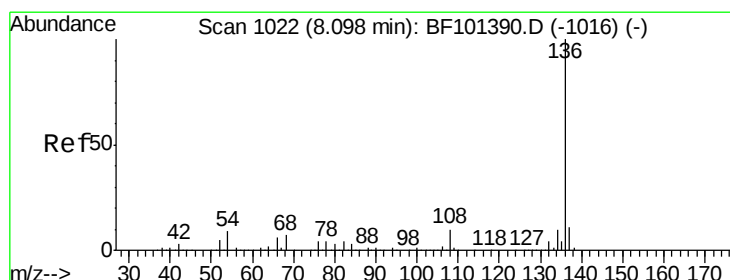
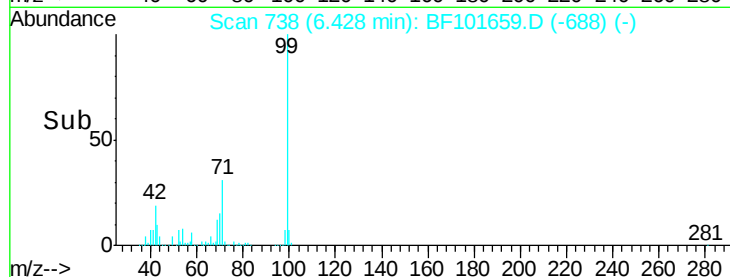
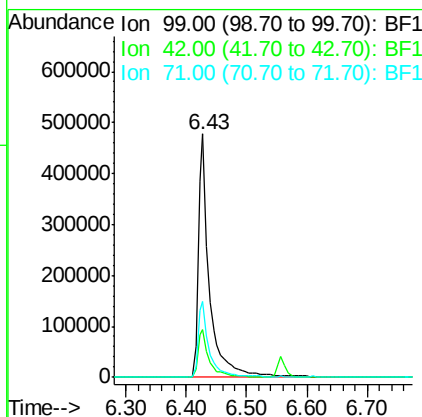
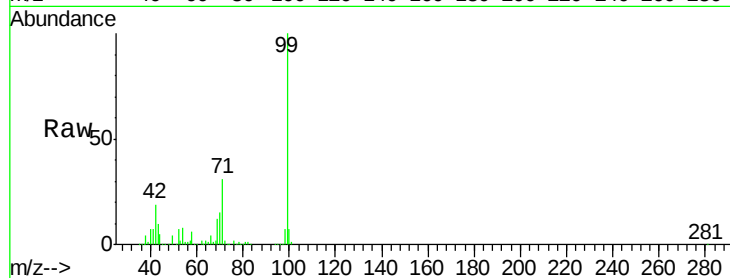
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Tgt Ion:	99	Resp:	619783
Ion Ratio	Lower	Upper	
99	100		
42	19.4	14.5	21.7
71	31.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

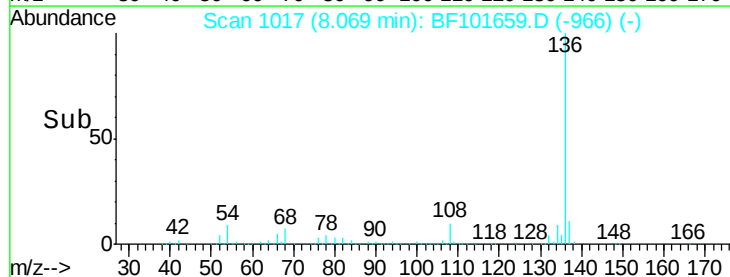
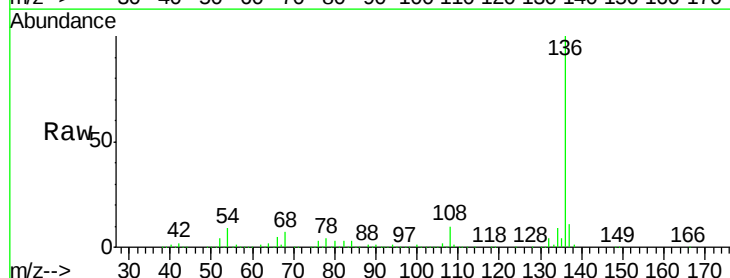
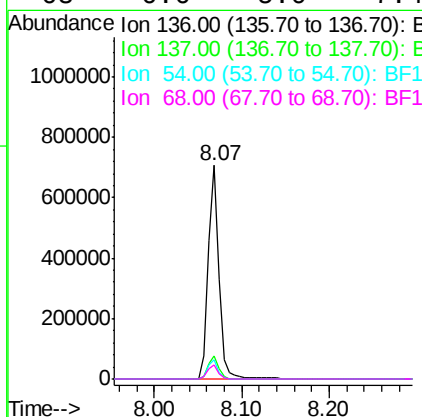
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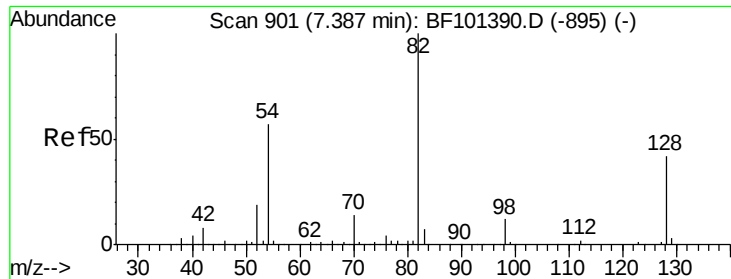
Delta R.T. 0.00 min

Lab File: BF101659.D

Acq: 22 Dec 2017 17:53

Tgt Ion:	136	Resp:	605506
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	6.6	5.0	7.4





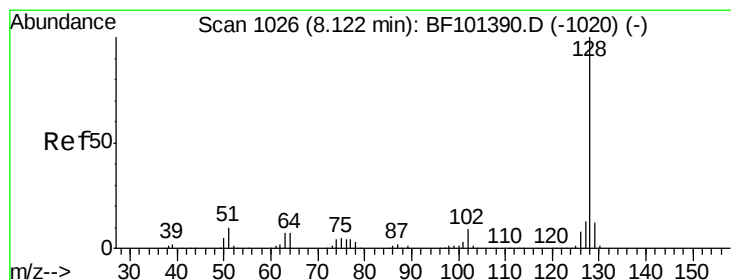
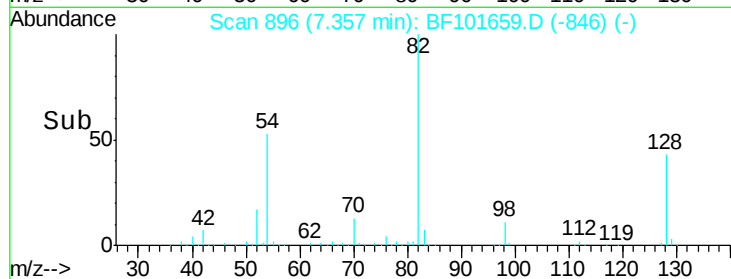
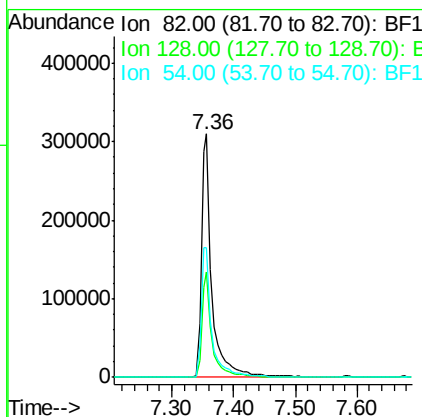
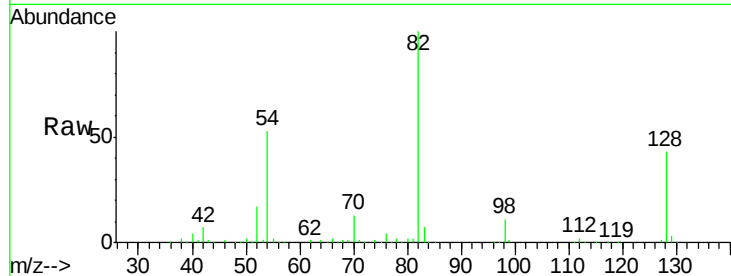
#23
 Nitrobenzene-d5
 Concen: 34.582 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-C

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	376164		
128	43.5	36.1	54.1	
54	53.1	41.4	62.2	

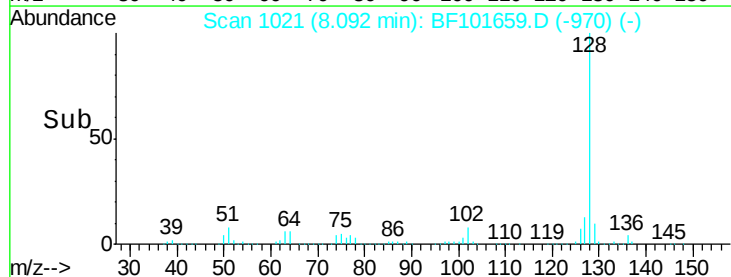
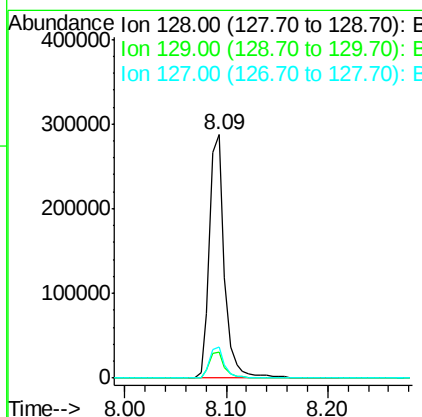
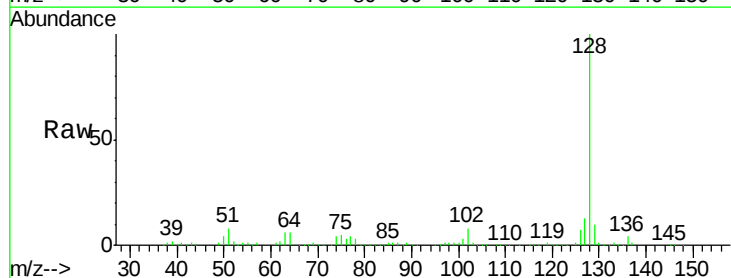
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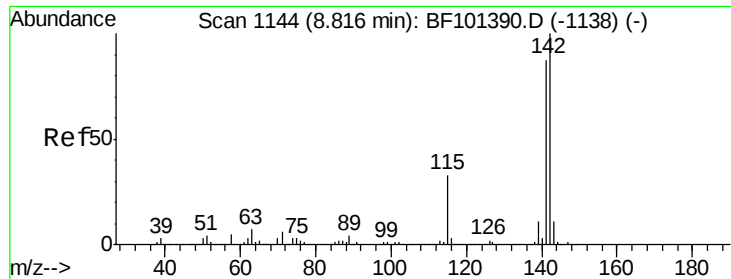
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#31
 Naphthalene
 Concen: 9.779 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	298109		
129	10.5	8.8	13.2	
127	12.9	10.9	16.3	





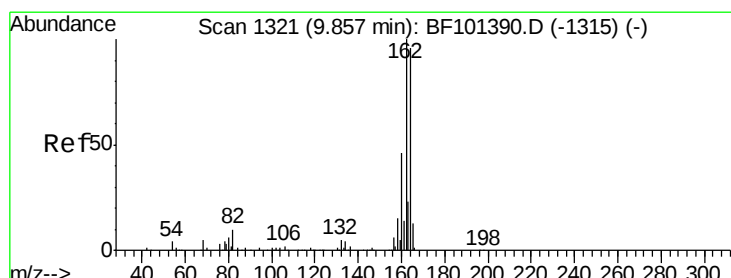
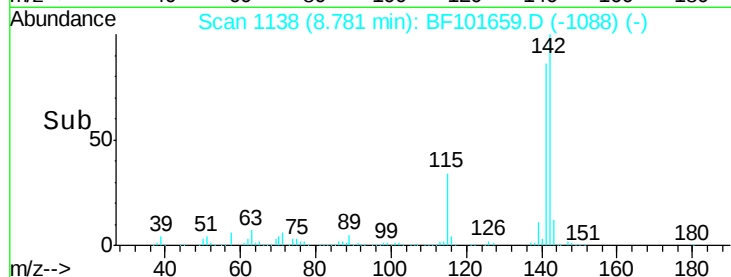
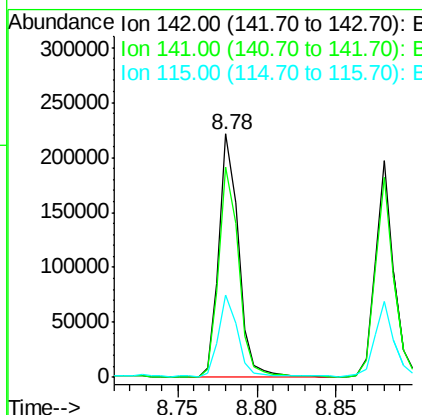
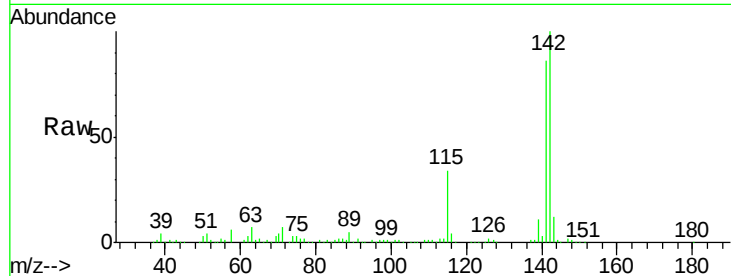
#37
2-Methylnaphthalene
Concen: 9.734 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	193330		
141	86.3	70.8	106.2	
115	34.0	26.1	39.1	

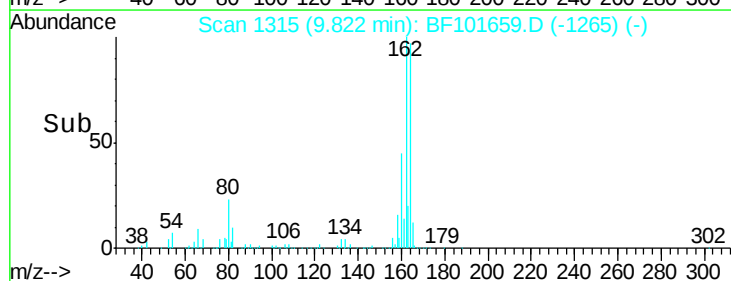
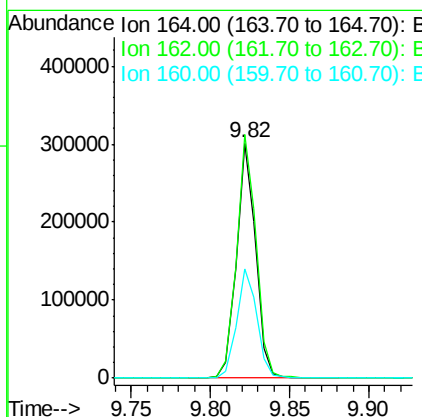
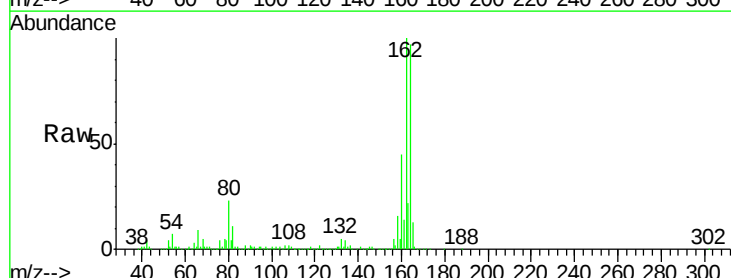
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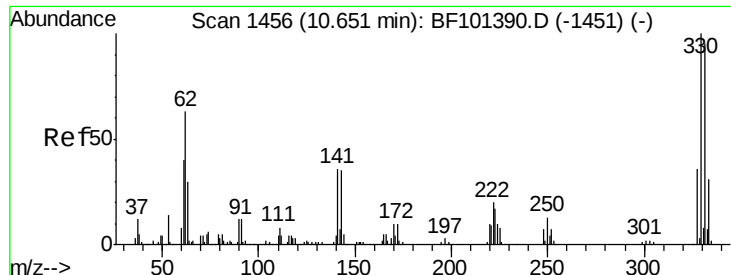
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	253516		
162	103.5	86.1	129.1	
160	46.5	38.3	57.5	





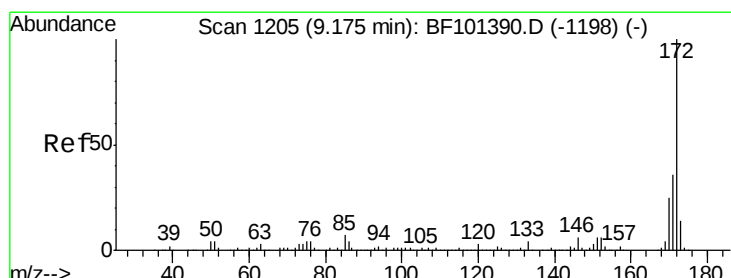
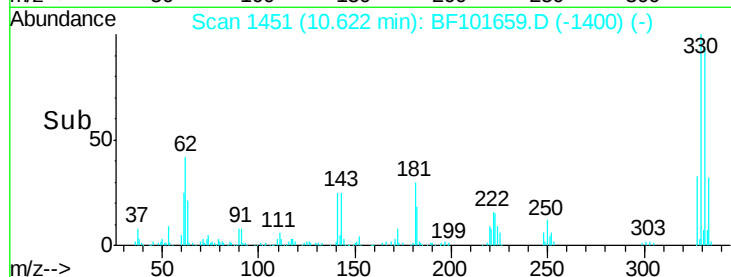
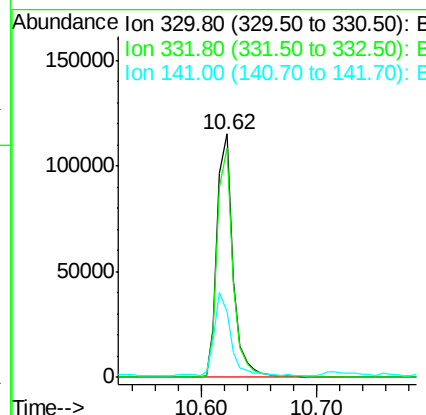
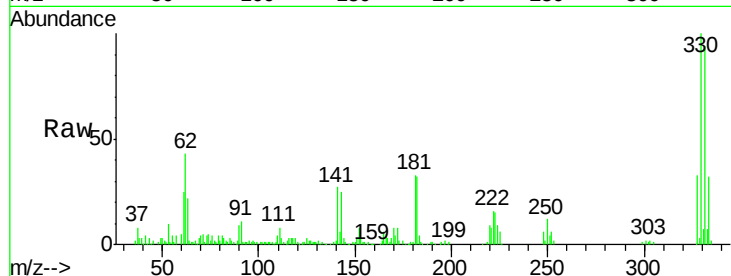
#41
 2,4,6-Tribromophenol
 Concen: 45.381 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-C

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	110857		
332	94.7	77.0	115.6	
141	36.9	29.9	44.9	

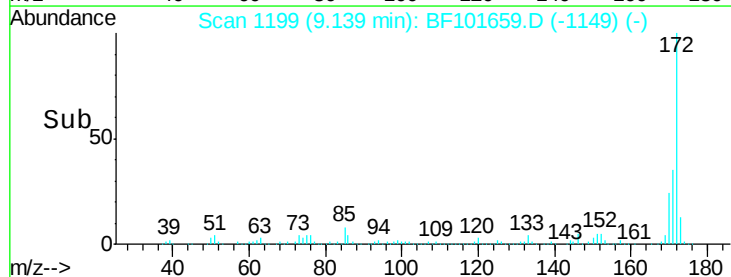
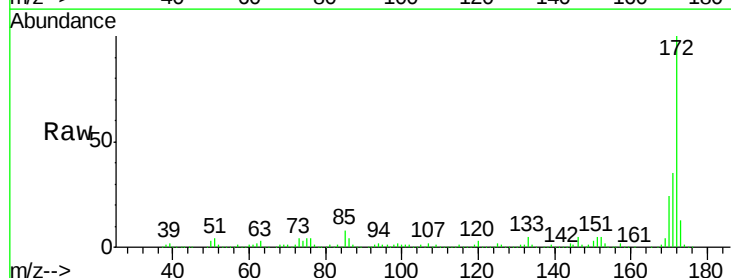
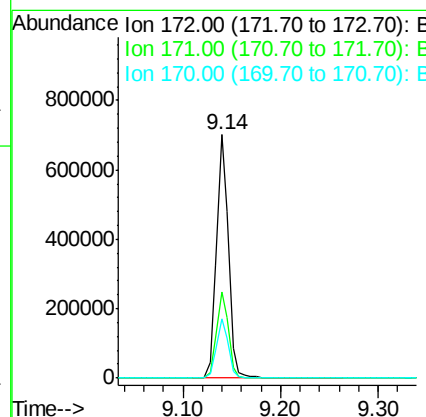
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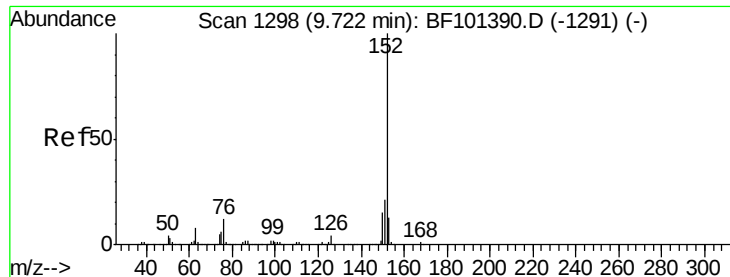
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#44
 2-Fluorobiphenyl
 Concen: 36.326 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	593671		
171	35.5	29.7	44.5	
170	24.2	19.6	29.4	





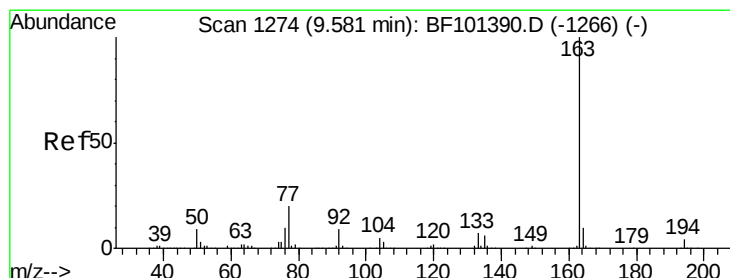
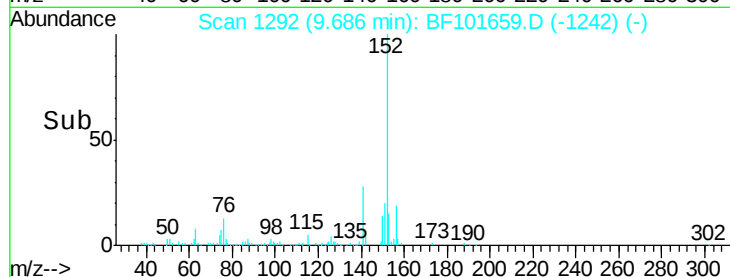
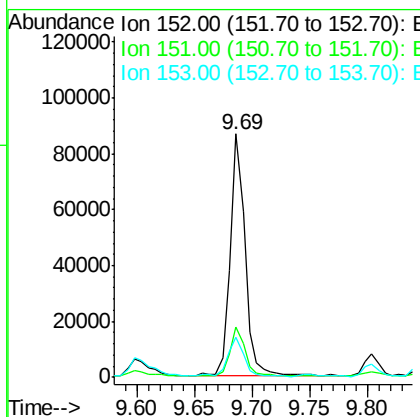
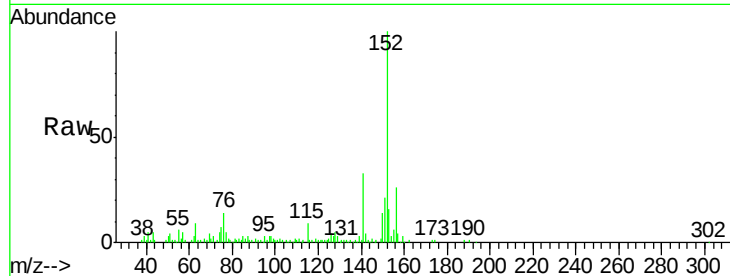
#48
Acenaphthylene
Concen: 2.857 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	77632		
151	20.8	16.3	24.5	
153	16.2	10.7	16.1	

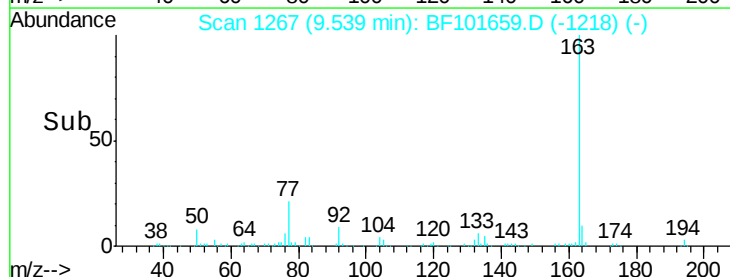
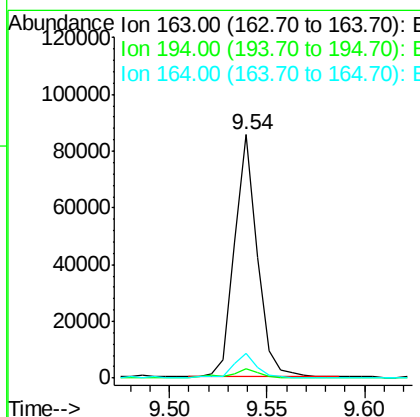
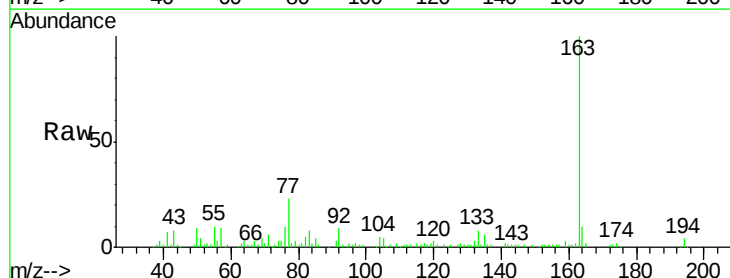
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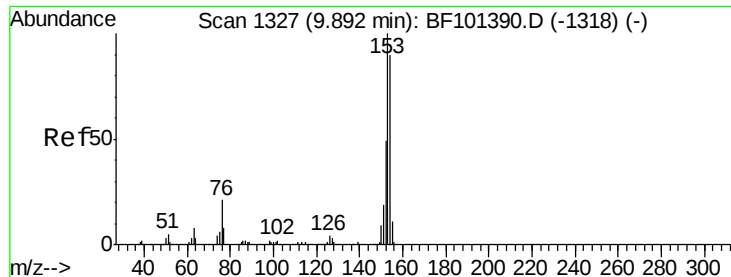
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#49
Dimethylphthalate
Concen: 3.408 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	69499		
194	3.8	2.7	4.1	
164	10.3	8.2	12.2	





#51

Acenaphthene

Concen: 8.671 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF101659.D

Acq: 22 Dec 2017 17:53

Instrument :

BNA_F

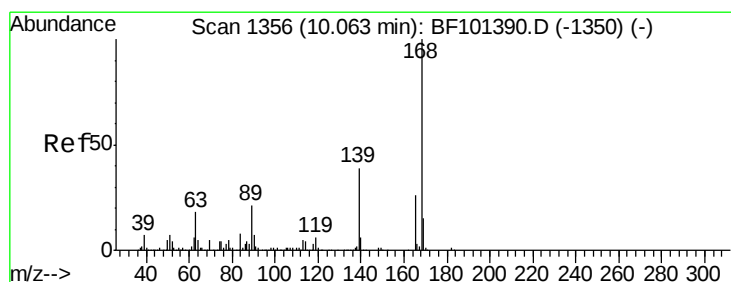
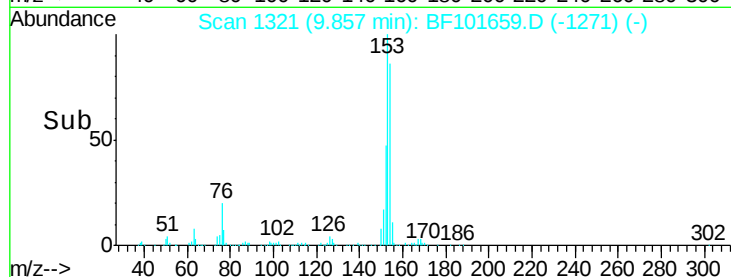
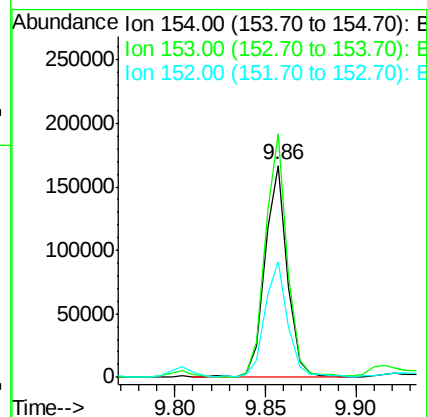
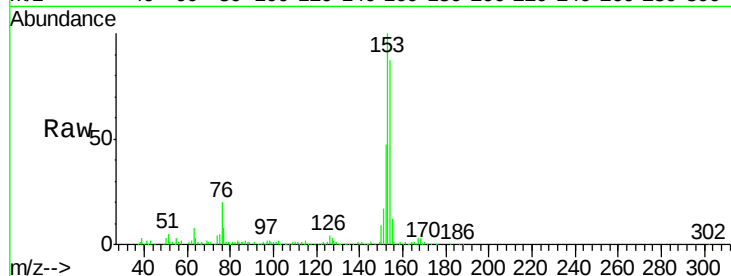
ClientSampleId :

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Tgt Ion:	154	Resp:	141554
Ion Ratio	Lower	Upper	
154	100		
153	114.9	91.2	136.8
152	54.5	43.8	65.8

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#54

Dibenzofuran

Concen: 8.583 ng

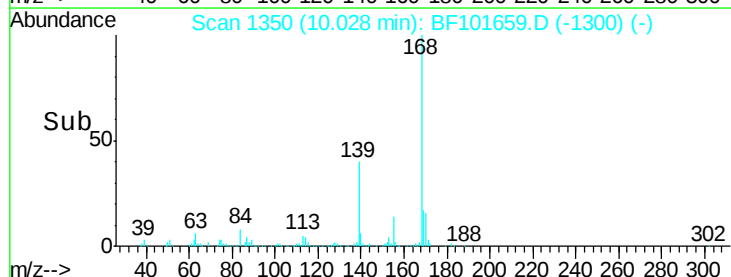
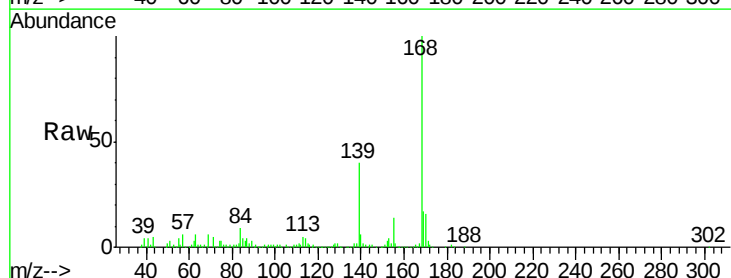
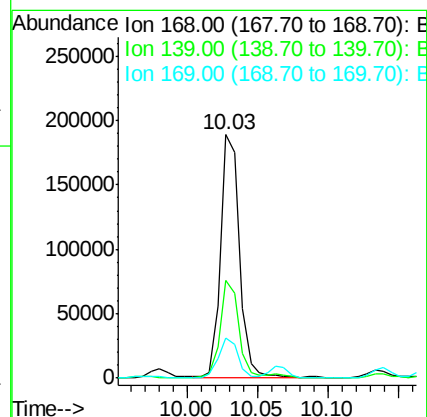
RT: 10.03 min Scan# 1350

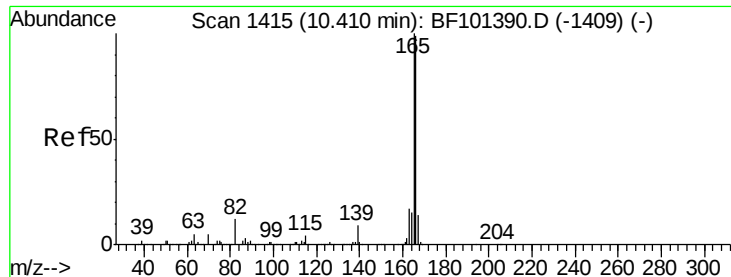
Delta R.T. -0.01 min

Lab File: BF101659.D

Acq: 22 Dec 2017 17:53

Tgt Ion:	168	Resp:	178067
Ion Ratio	Lower	Upper	
168	100		
139	39.9	30.1	45.1
169	16.6	10.9	16.3#





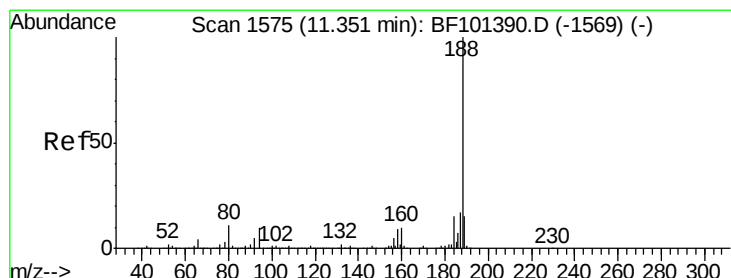
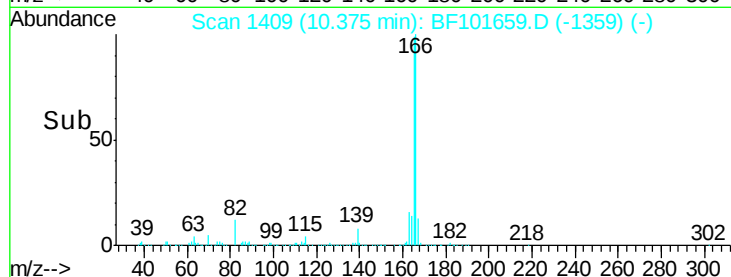
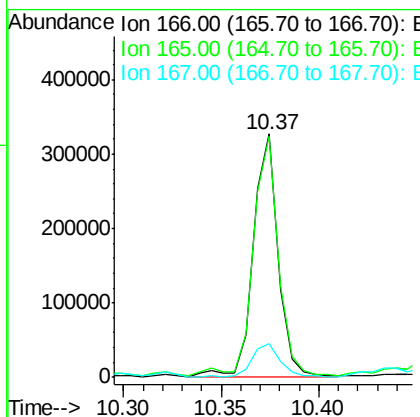
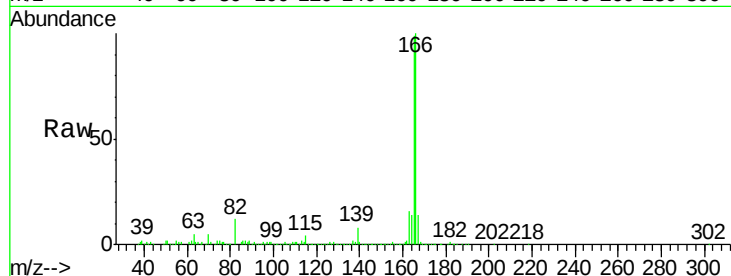
#57
 Fluorene
 Concen: 16.220 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.01 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-C

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	284667		
165	99.2	79.8	119.8	
167	13.9	10.6	16.0	

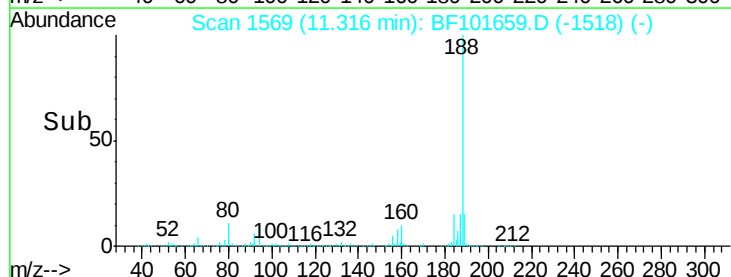
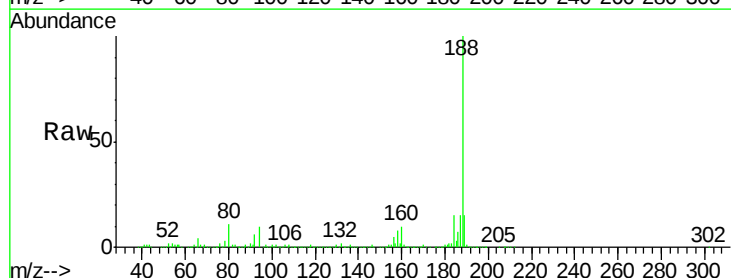
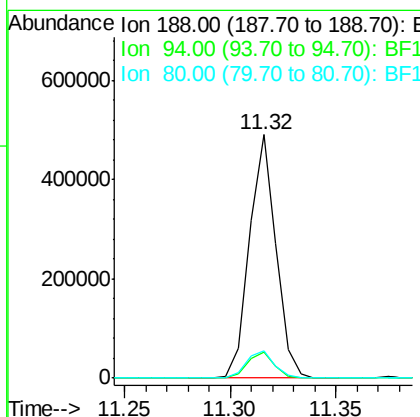
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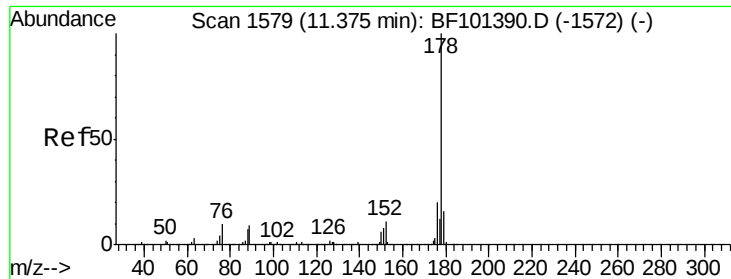
Sohil
 12/26/2017 1:37:22 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	428326		
94	10.5	8.5	12.7	
80	11.3	9.2	13.8	





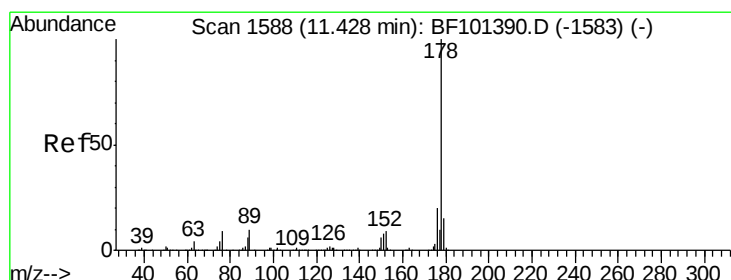
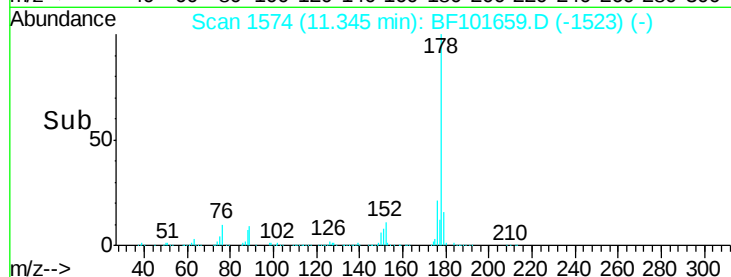
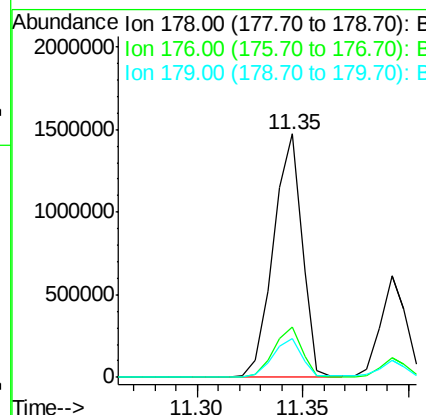
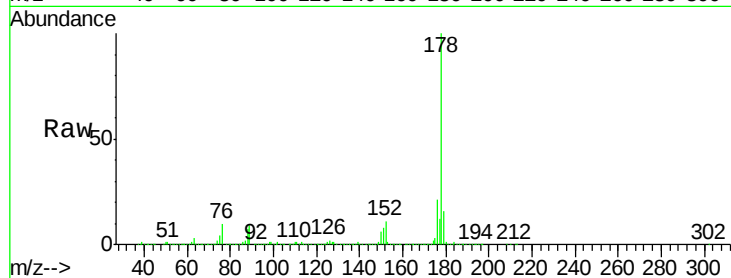
#70
Phenanthrene
Concen: 58.561 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	15.7	13.0	19.6

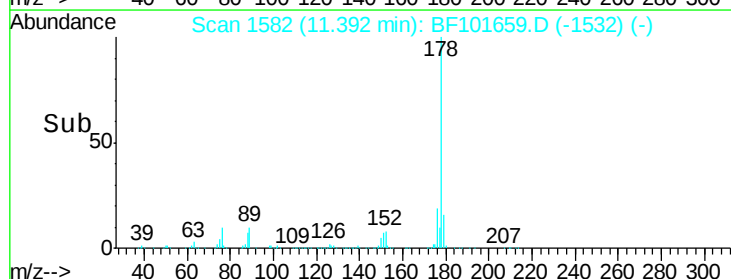
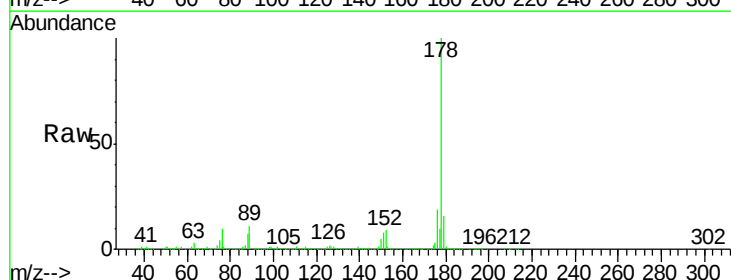
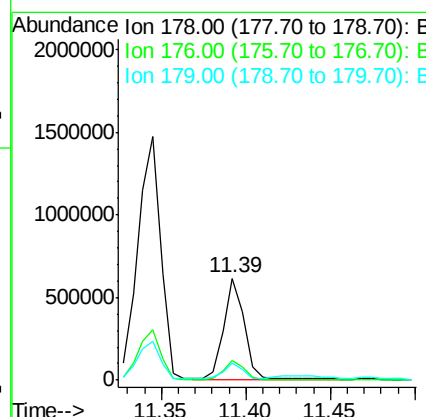
Manual Integrations
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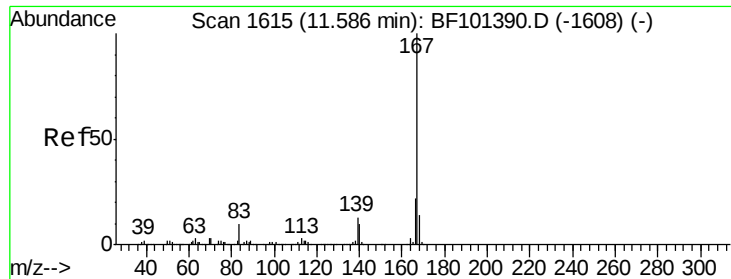
Sohil
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#71
Anthracene
Concen: 21.790 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.4	12.6	19.0





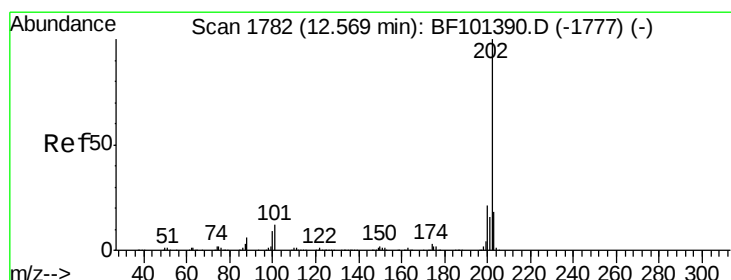
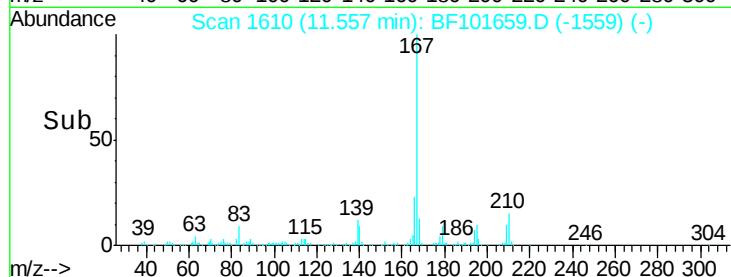
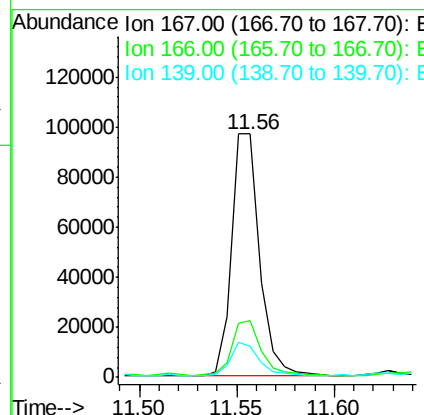
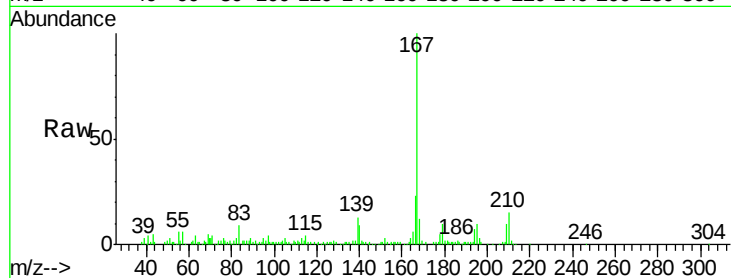
#72
 Carbazole
 Concen: 4.206 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-122017-C

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	95822		
166	23.4		17.6	26.4
139	12.8		10.9	16.3

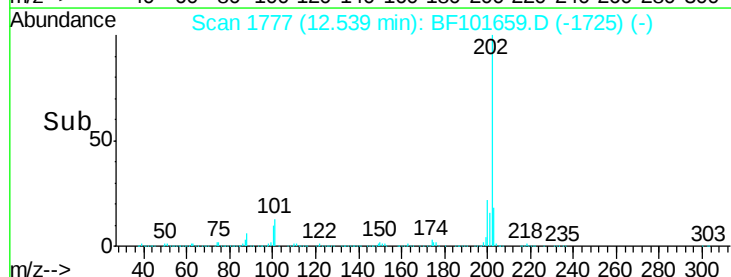
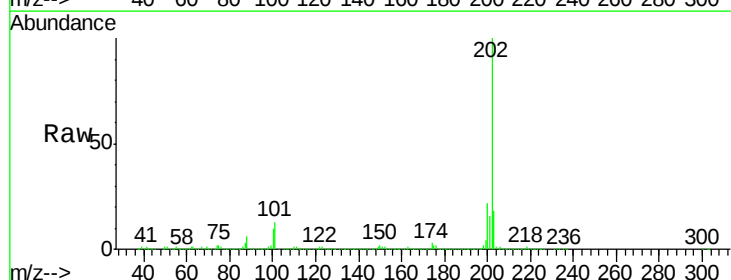
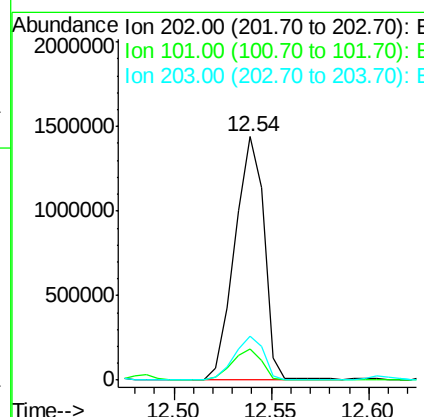
Manual Integrations
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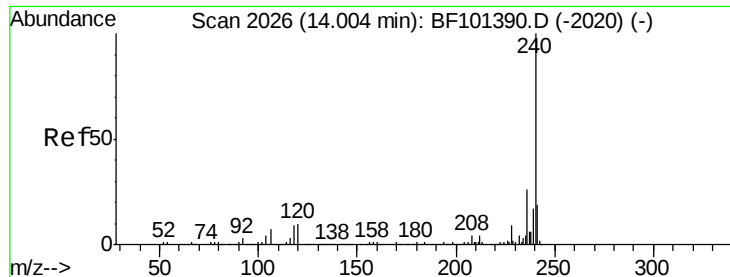
Sohil
 12/26/2017 1:37:22 PM



#74
 Fluoranthene
 Concen: 60.011 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101659.D
 Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1500409		
101	12.6		0.0	34.1
203	18.1		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF101659.D

Acq: 22 Dec 2017 17:53

Instrument :

BNA_F

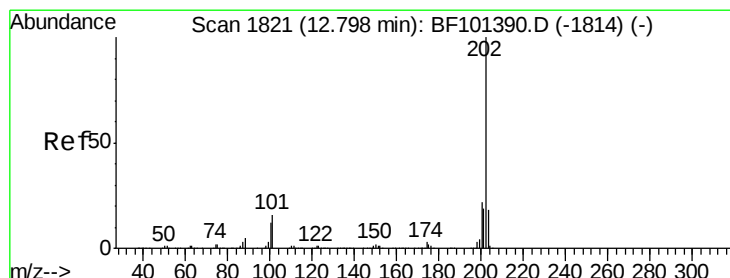
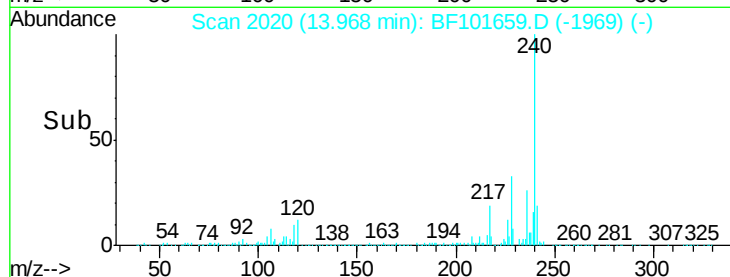
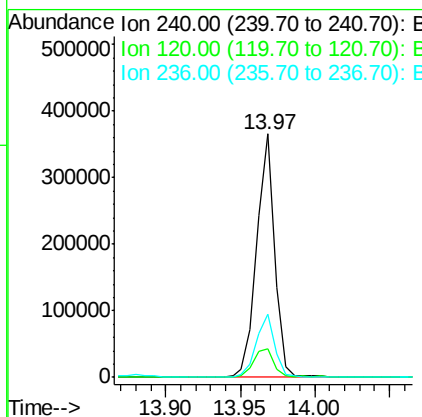
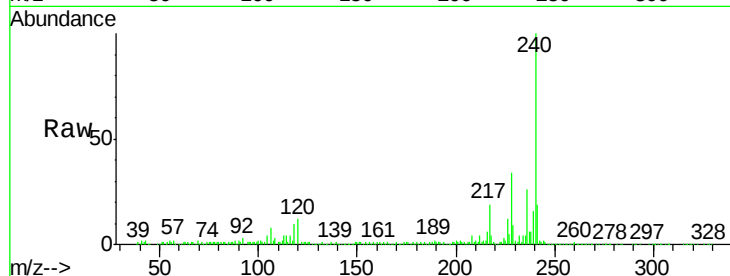
ClientSampleId :

EO-02-122017-C

Tgt Ion:	240	Resp:	299874
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 61.758 ng

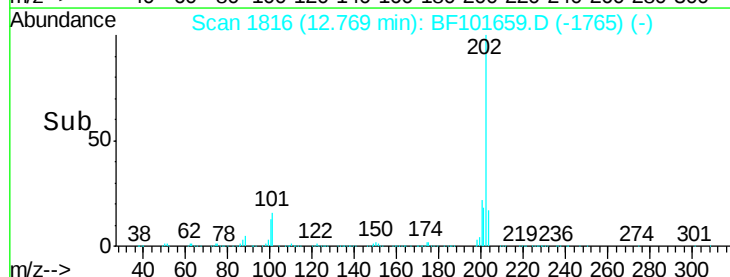
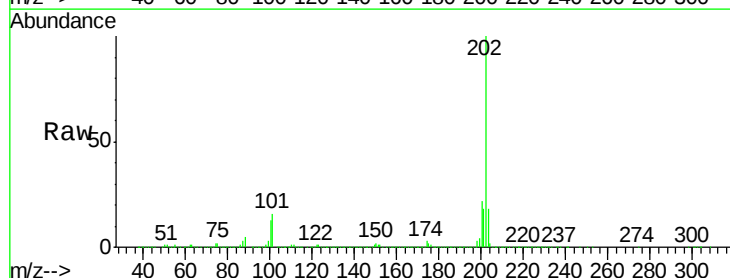
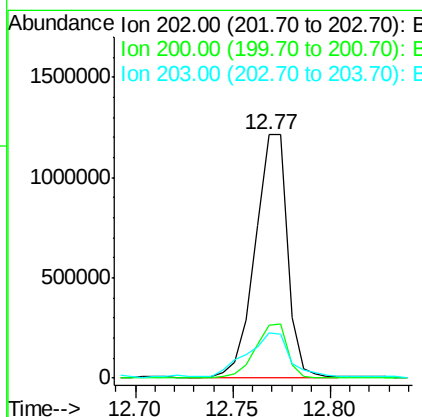
RT: 12.77 min Scan# 1816

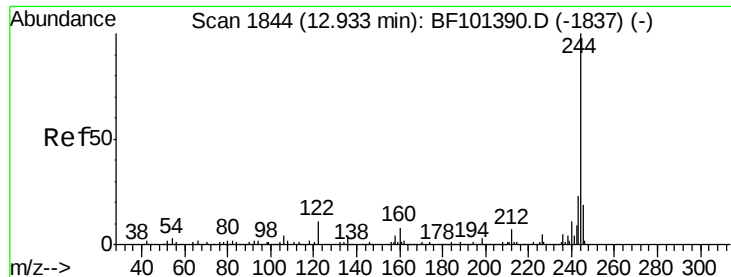
Delta R.T. 0.00 min

Lab File: BF101659.D

Acq: 22 Dec 2017 17:53

Tgt Ion:	202	Resp:	1389898
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 35.842 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF101659.D

Acq: 22 Dec 2017 17:53

Instrument :

BNA_F

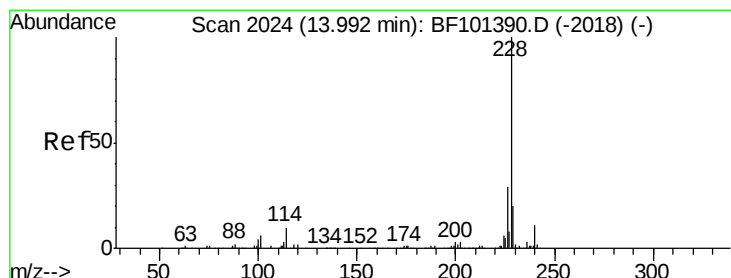
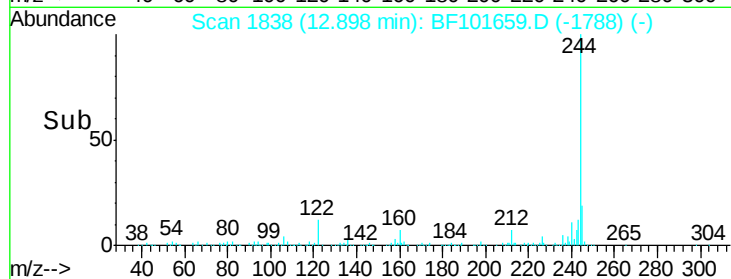
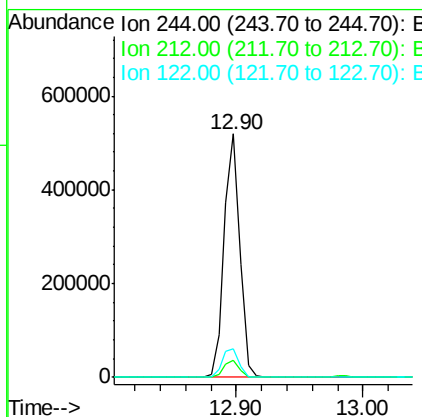
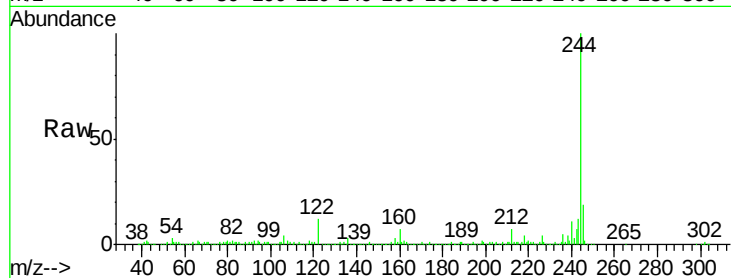
ClientSampleId :

EO-02-122017-C

Tgt Ion:	244	Resp:	445841
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	11.8	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 38.031 ng

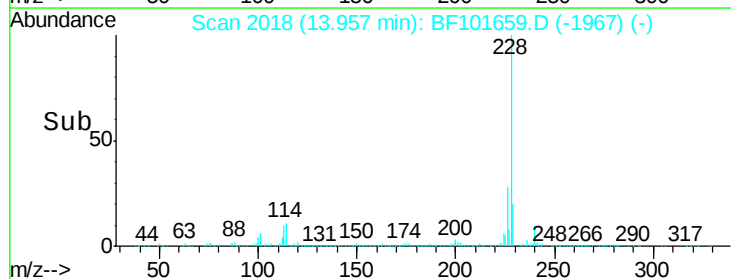
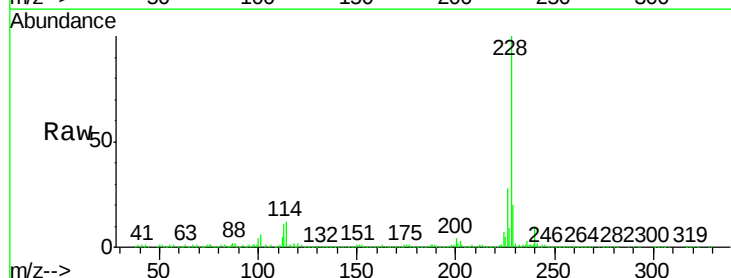
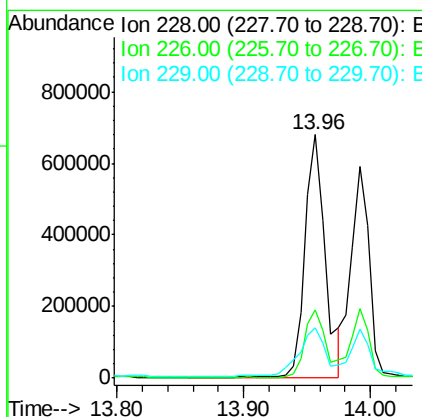
RT: 13.96 min Scan# 2018

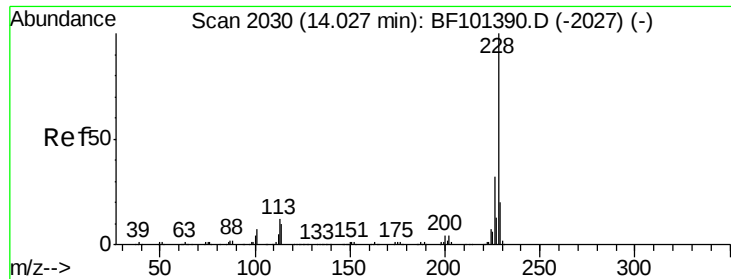
Delta R.T. 0.00 min

Lab File: BF101659.D

Acq: 22 Dec 2017 17:53

Tgt Ion:	228	Resp:	753055
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.6	33.8
229	20.4	15.8	23.6





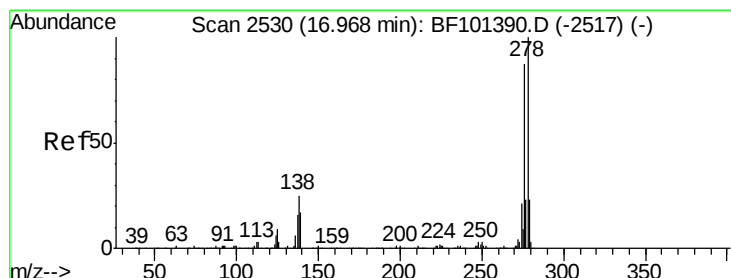
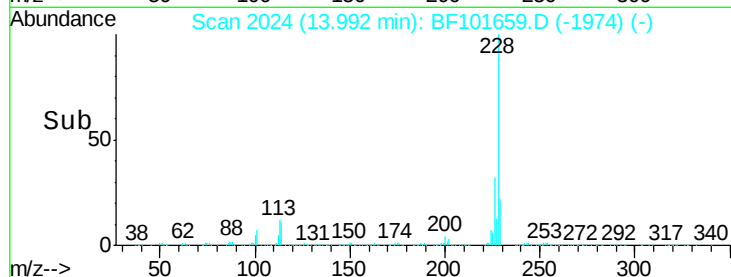
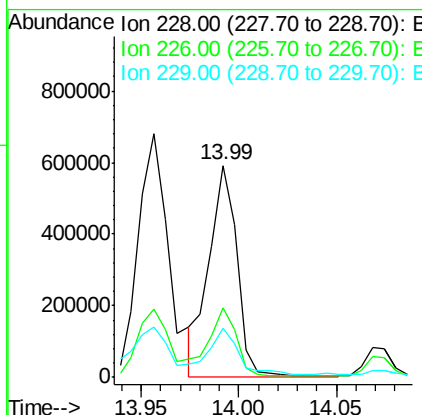
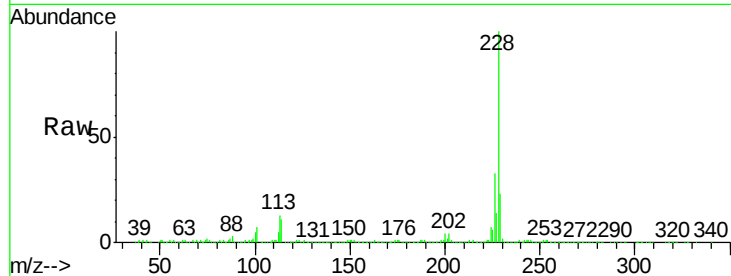
#82
Chrysene
Concen: 31.429 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	25.0	37.6
229	23.3	16.2	24.4

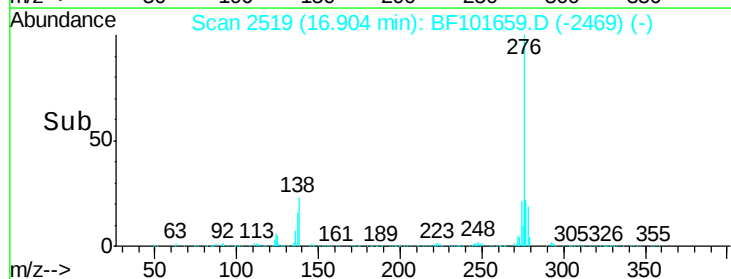
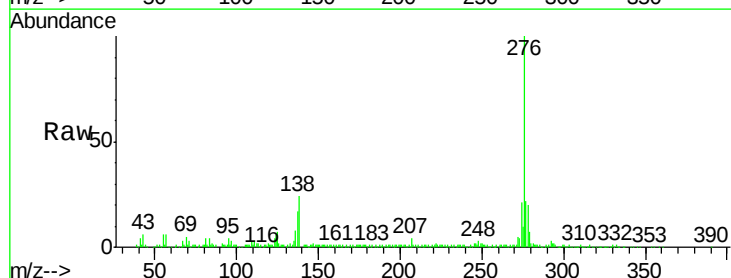
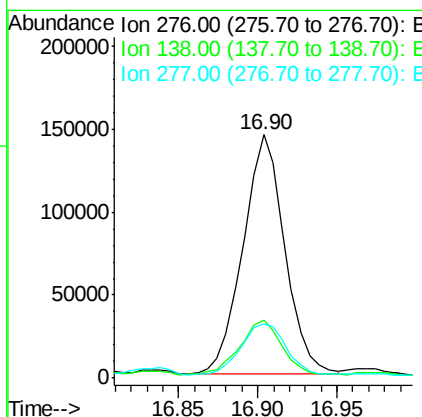
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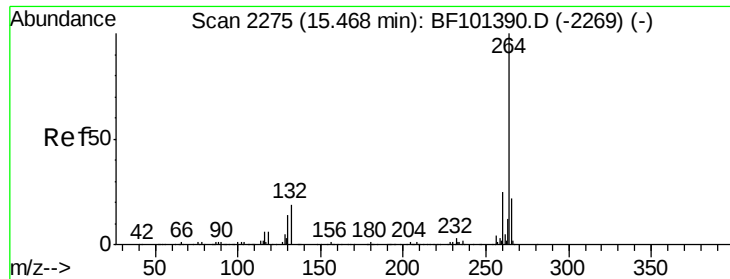
Sohil
12/26/2017 1:37:22 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 15.841 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.9	25.0	37.6#
277	23.3	20.1	30.1





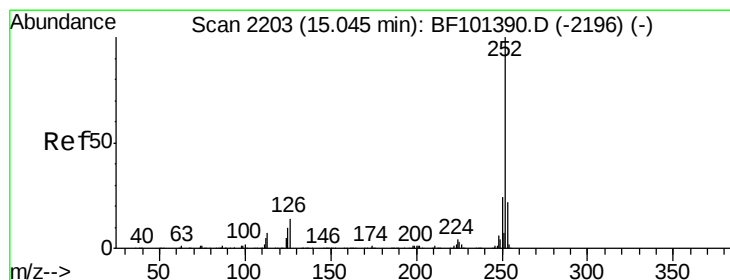
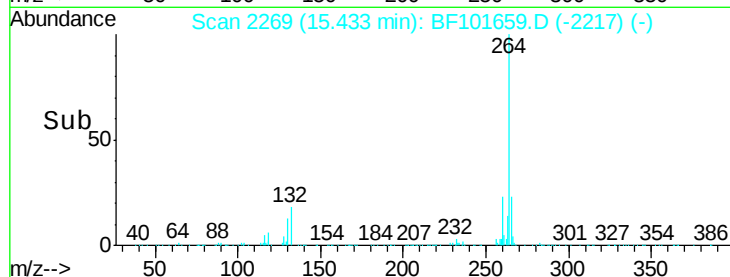
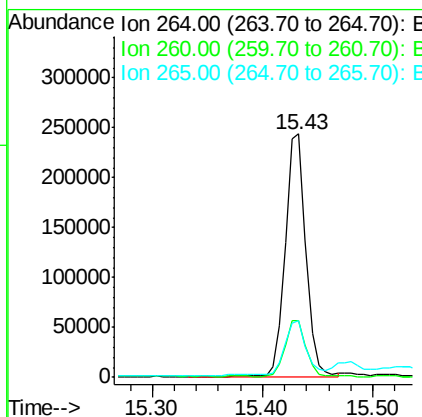
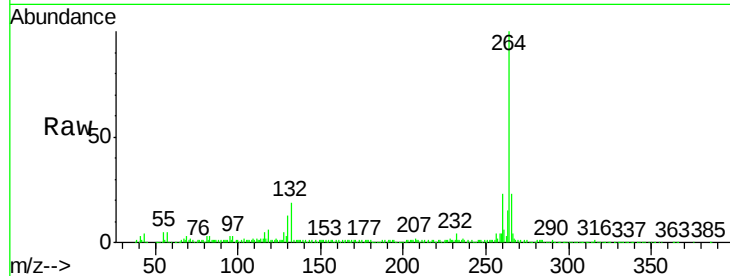
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	312268		
260	23.1	19.2	28.8	
265	23.1	17.5	26.3	

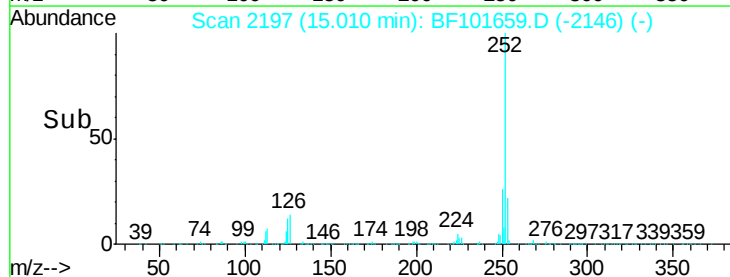
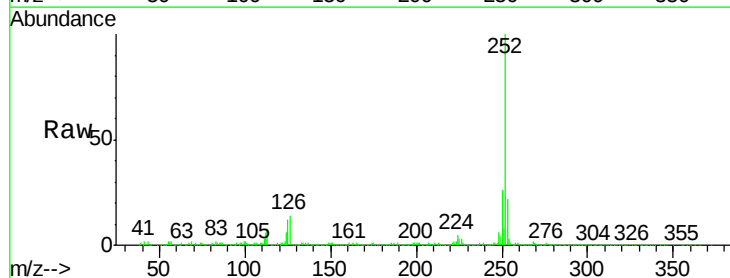
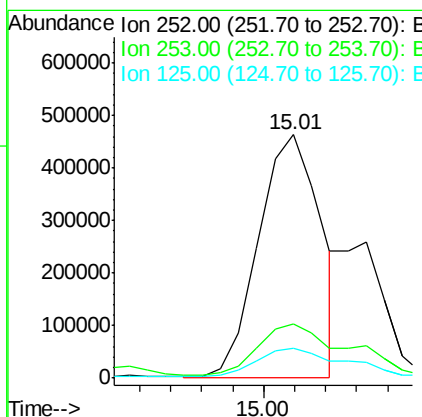
Manual Integrations
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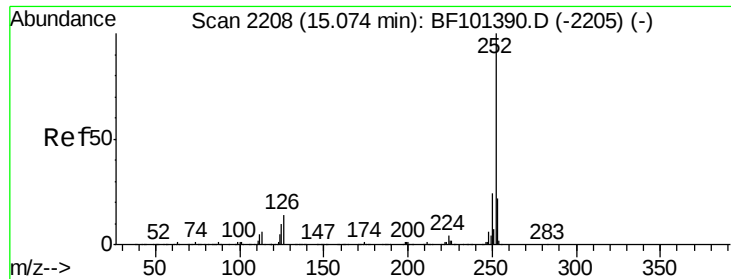
Sohil
12/26/2017 1:37:22 PM



#87
Benzo(b)fluoranthene
Concen: 34.050 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	648080		
253	22.4	17.0	25.6	
125	12.4	9.0	13.6	





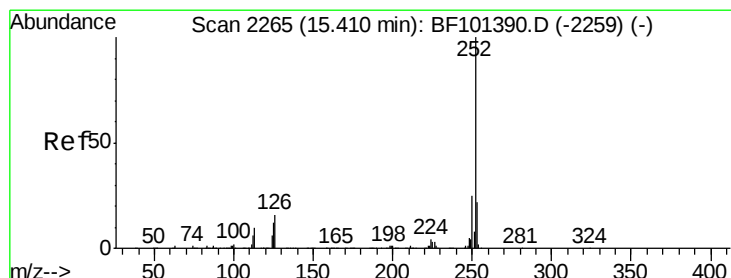
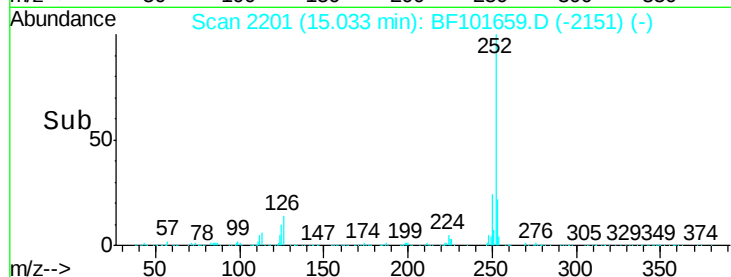
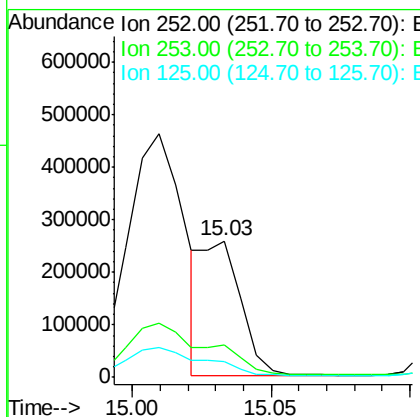
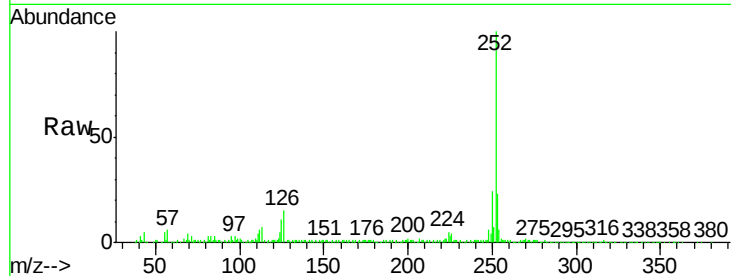
#88
Benzo(k)fluoranthene
Concen: 13.414 ng m
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	248230		
253	23.3	17.9	26.9	
125	11.2	10.2	15.2	

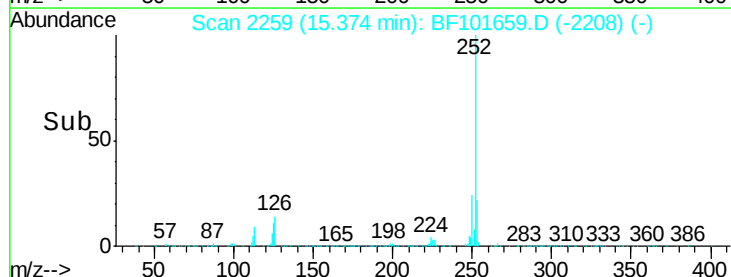
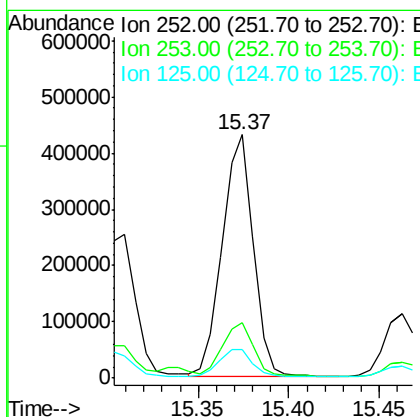
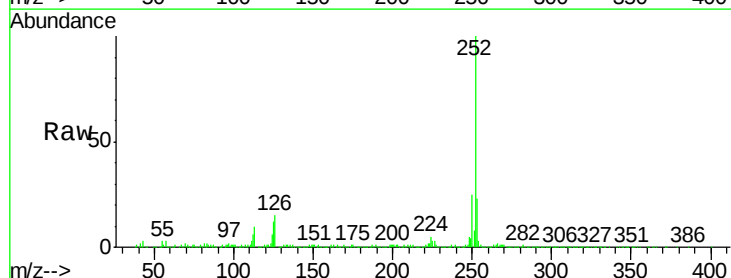
Manual Integrations
APPROVED

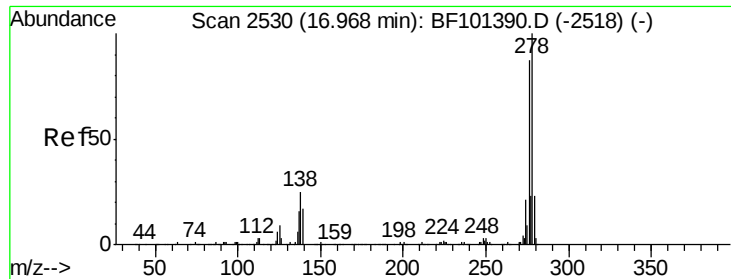
Sohil
12/26/2017 1:37:22 PM



#89
Benzo(a)pyrene
Concen: 29.359 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	515138		
253	22.8	17.1	25.7	
125	11.6	9.8	14.6	





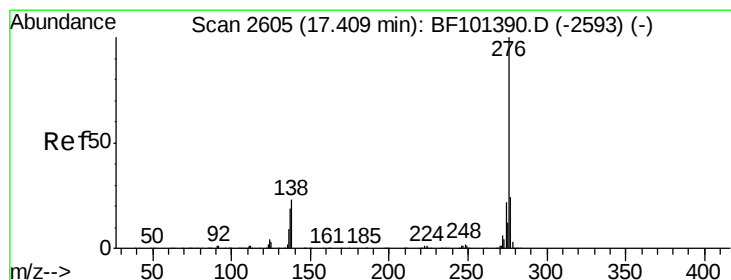
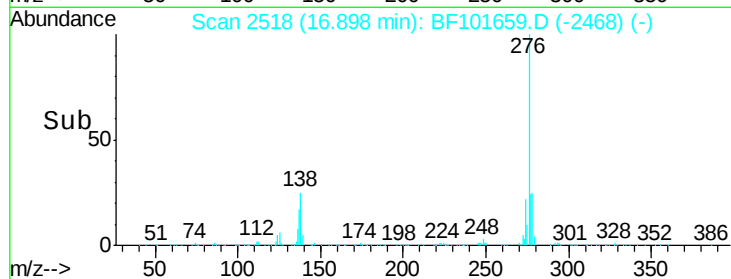
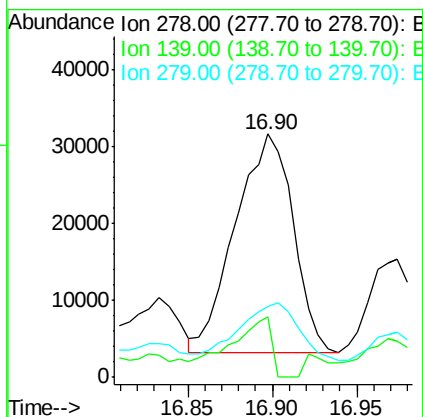
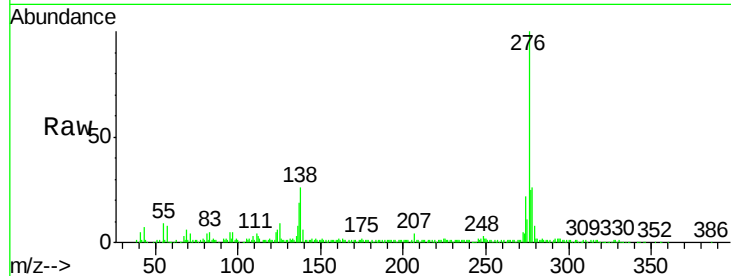
#90
Dibenzo(a,h)anthracene
Concen: 4.453 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Instrument :
BNA_F
ClientSampleId :
EO-02-122017-C

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.7	15.9	23.9#
279	29.3	19.0	28.4#

Manual Integrations
APPROVED

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#91
Benzo(g,h,i)perylene
Concen: 16.363 ng
RT: 17.35 min Scan# 2595
Delta R.T. 0.01 min
Lab File: BF101659.D
Acq: 22 Dec 2017 17:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	24.5	21.8	32.8

