

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101654.D
 Acq On : 22 Dec 2017 15:37
 Operator : SJ/JU
 Sample : I6993-02 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-4

Manual Integrations
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Quant Time: Dec 22 16:21:20 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	168193	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	695035	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	308520	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	549597	20.00	ng	0.00
75) Chrysene-d12	13.96	240	357493	20.00	ng	0.00
86) Perylene-d12	15.43	264	336800	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	62938	5.57	ng	0.02
7) Phenol-d6	6.45	99	86455	6.15	ng	0.01
23) Nitrobenzene-d5	7.37	82	53858	4.31	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	16301	5.48	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	102823	5.17	ng	0.00
78) Terphenyl-d14	12.89	244	83631	5.64	ng	-0.01
Target Compounds						
31) Naphthalene	8.09	128	140105	4.004	ng	99
48) Acenaphthylene	9.69	152	104460	3.159	ng	98
54) Dibenzofuran	10.03	168	92323	3.657	ng	99
57) Fluorene	10.37	166	137957	6.459	ng	100
70) Phenanthrene	11.34	178	754319	24.680	ng	99
71) Anthracene	11.39	178	377331	12.086	ng	99
72) Carbazole	11.56	167	158839	5.434	ng	97
74) Fluoranthene	12.53	202	895280	27.907	ng	99
77) Pyrene	12.76	202	683538	25.477	ng	100
80) Benzo(a)anthracene	13.95	228	289744	12.274	ng	98
82) Chrysene	13.99	228	244231	10.958	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	130833	6.592	ng	# 91
87) Benzo(b)fluoranthene	15.00	252	283773m	13.823	ng	
88) Benzo(k)fluoranthene	15.03	252	83056m	4.161	ng	
89) Benzo(a)pyrene	15.37	252	191226	10.105	ng	98
91) Benzo(g,h,i)perylene	17.34	276	121645	7.561	ng	# 94

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

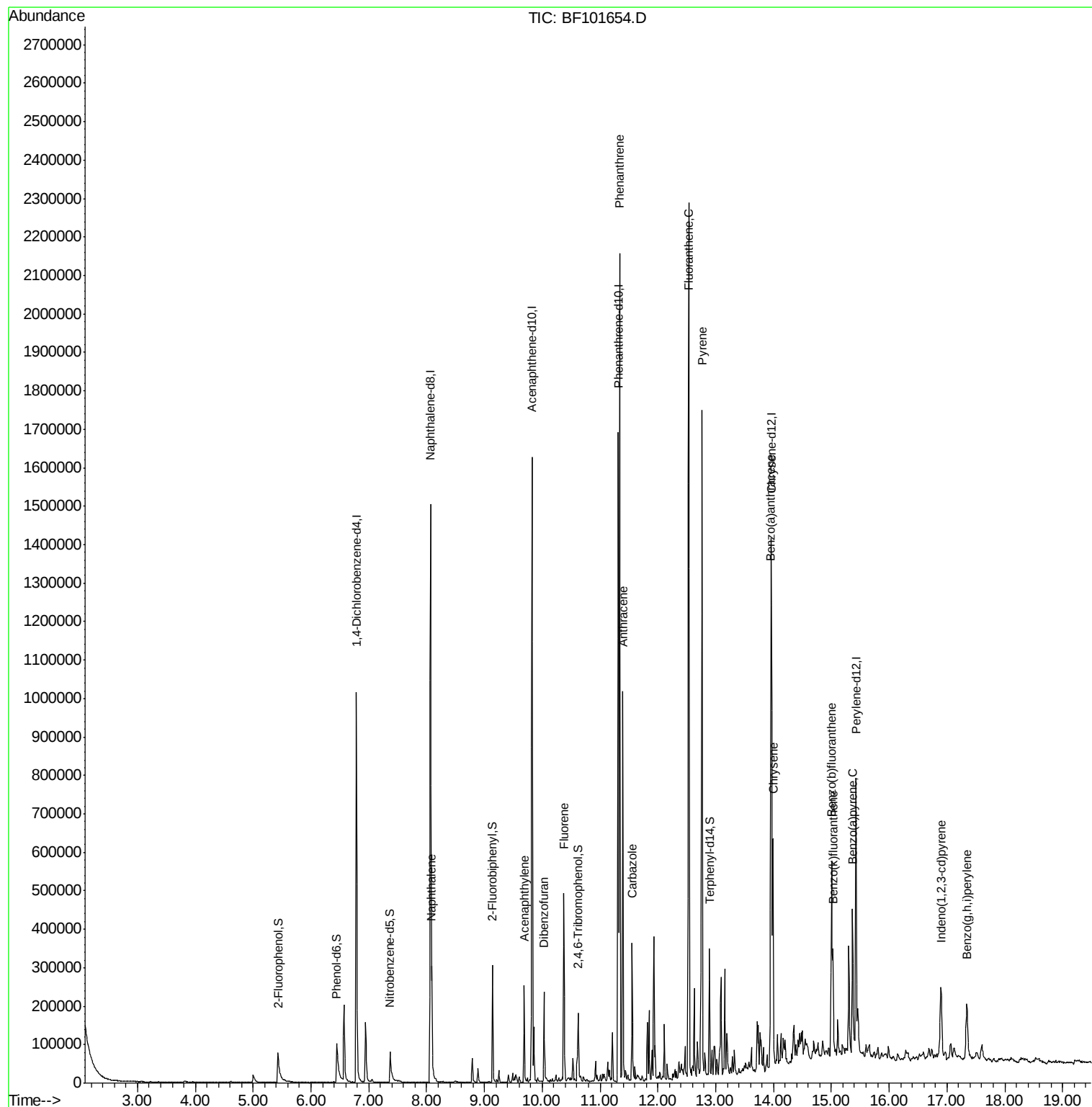
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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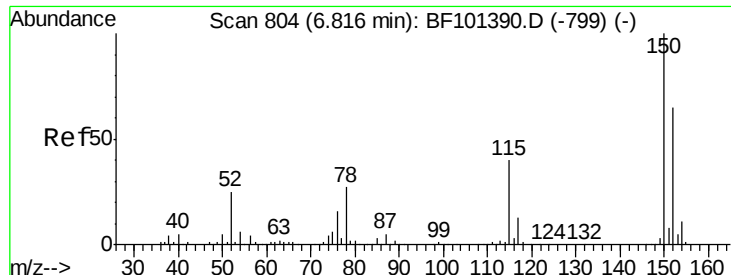
Instrument :
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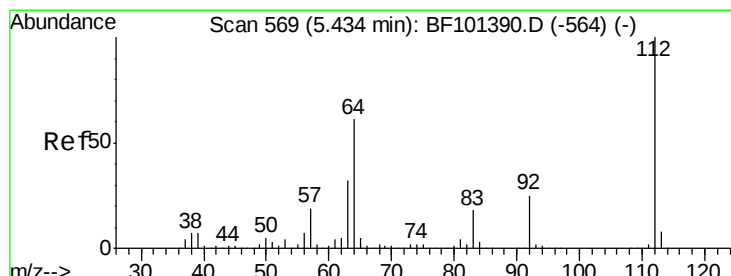
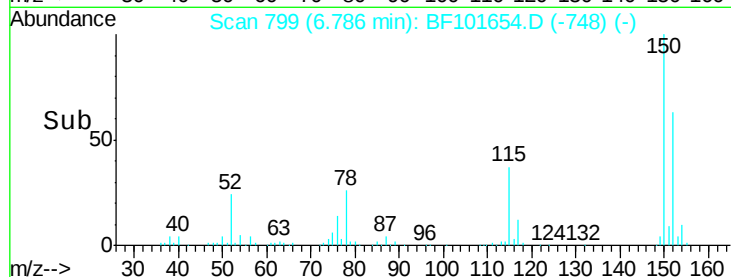
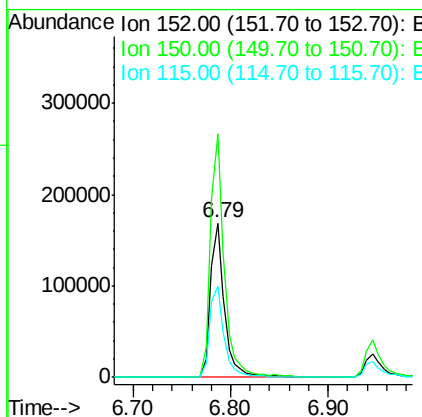
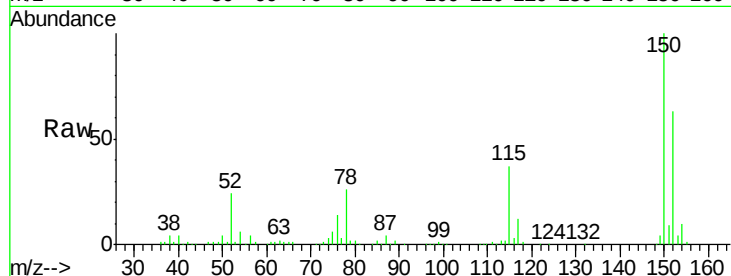
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.0	50.1	75.1

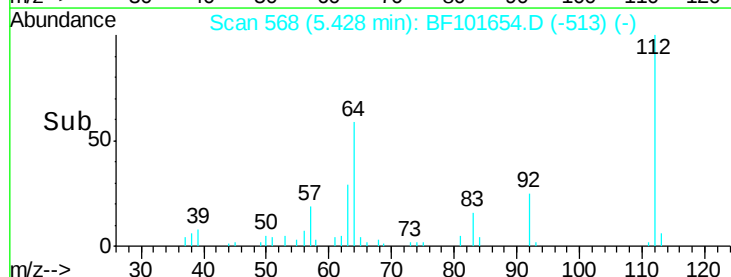
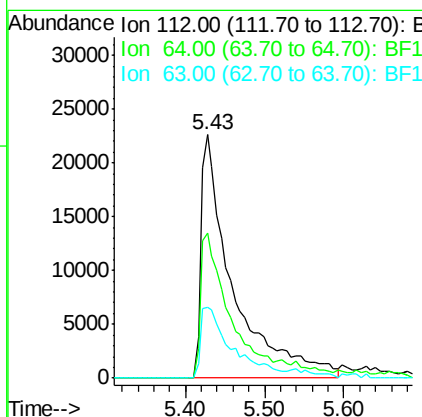
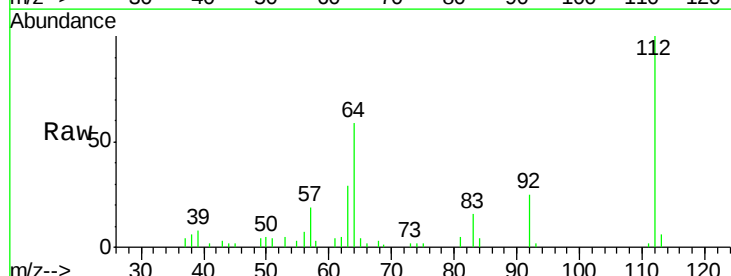
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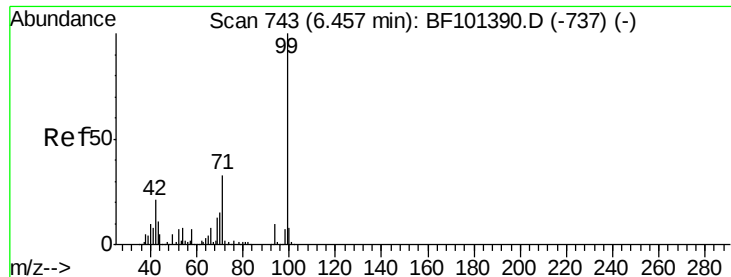
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#5
2-Fluorophenol
Concen: 5.574 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 6.152 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101654.D

Acq: 22 Dec 2017 15:37

Instrument :

BNA_F

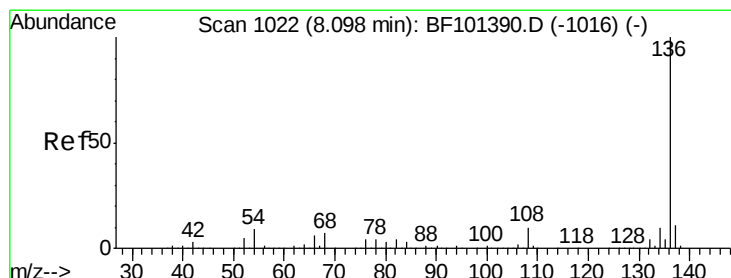
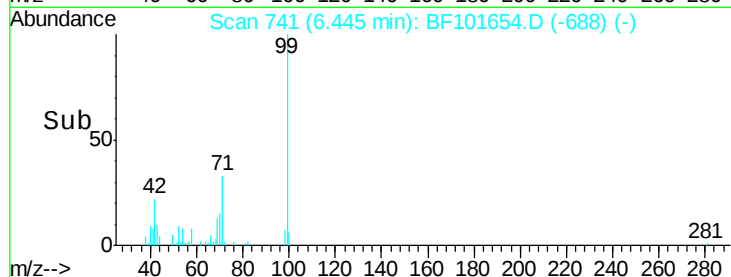
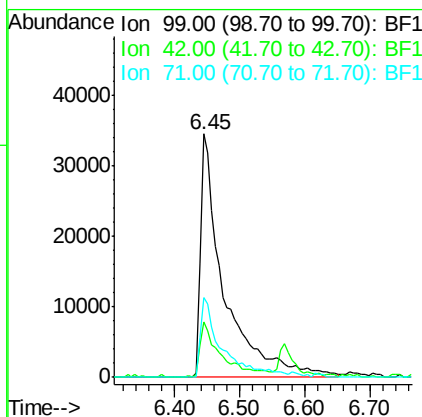
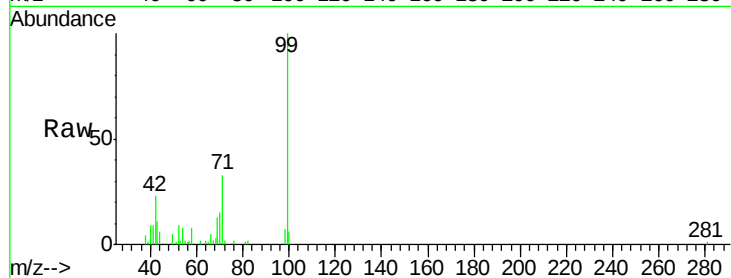
ClientSampleId :

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Tgt Ion:	99	Resp:	86455
Ion Ratio	Lower	Upper	
99	100		
42	23.0	14.5	21.7#
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

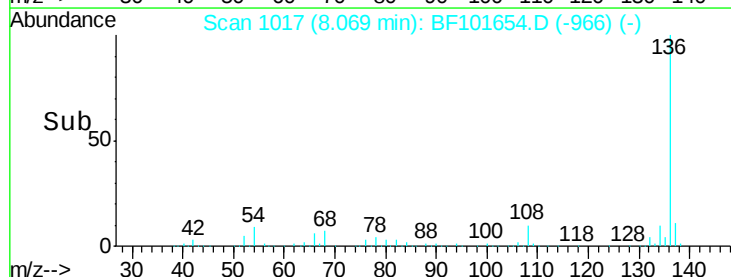
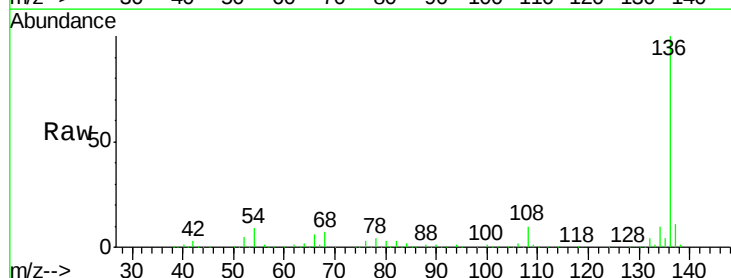
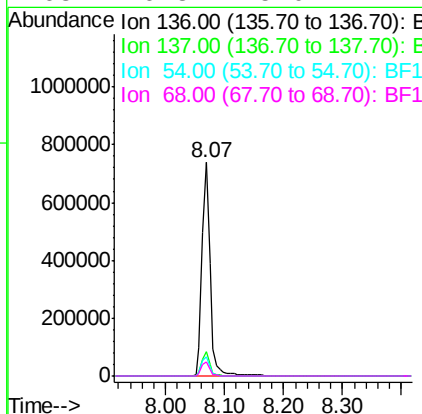
RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF101654.D

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Tgt Ion:	136	Resp:	695035
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	9.1	6.6	9.8
68	6.8	5.0	7.4





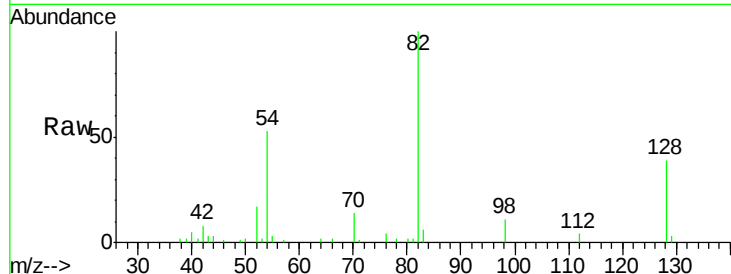
#23
 Nitrobenzene-d5
 Concen: 4.314 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-4

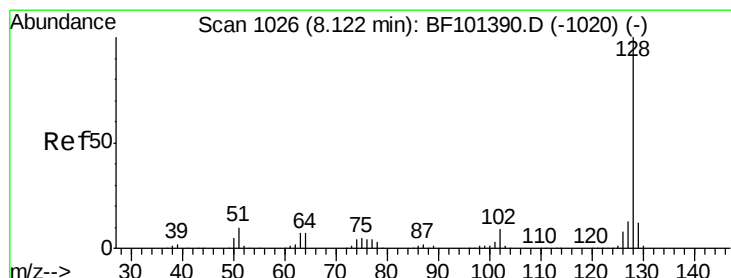
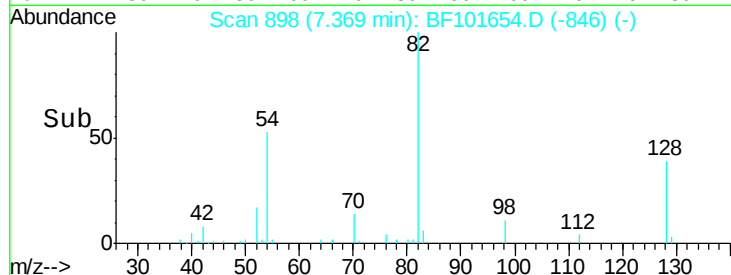
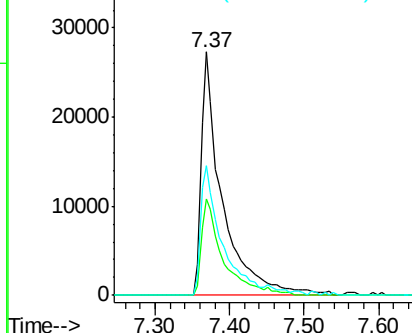
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	53858		
128	39.4	36.1	54.1	
54	53.3	41.4	62.2	

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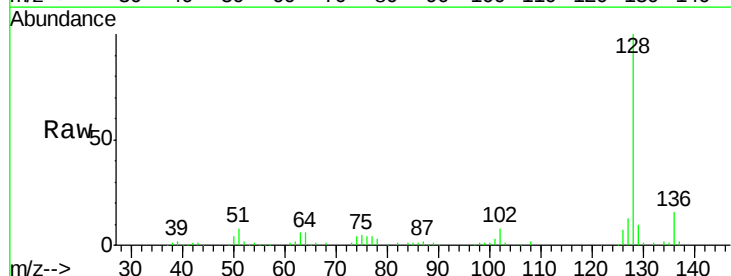


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

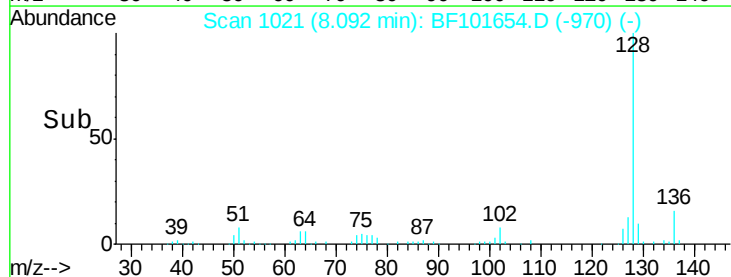
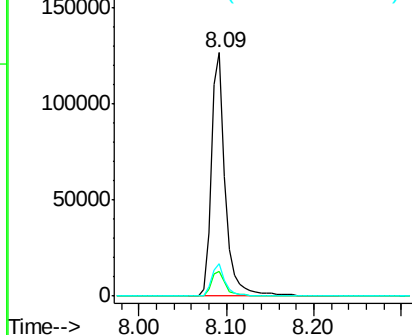


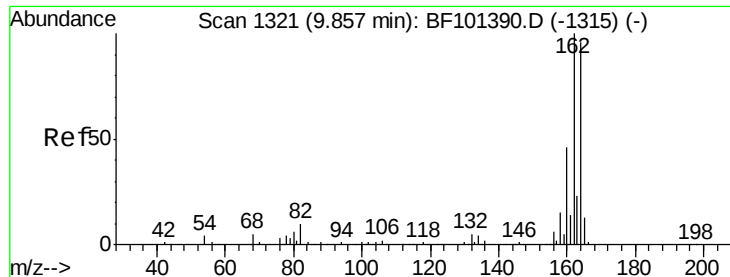
#31
 Naphthalene
 Concen: 4.004 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	140105		
129	10.4	8.8	13.2	
127	13.4	10.9	16.3	



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





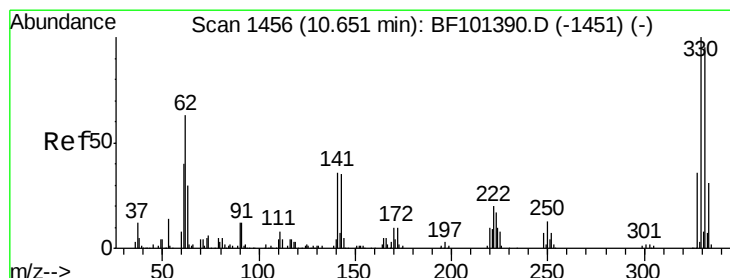
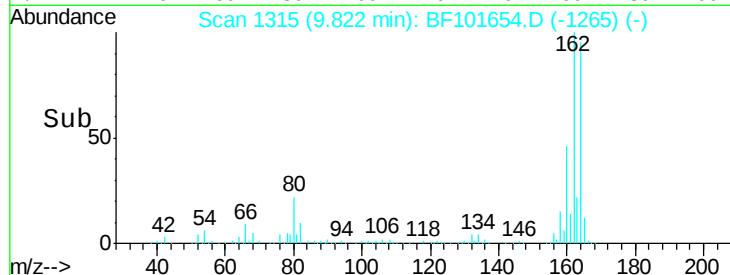
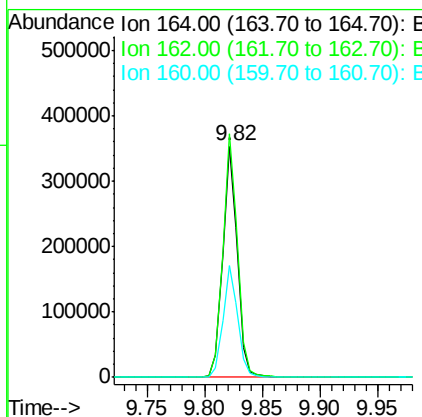
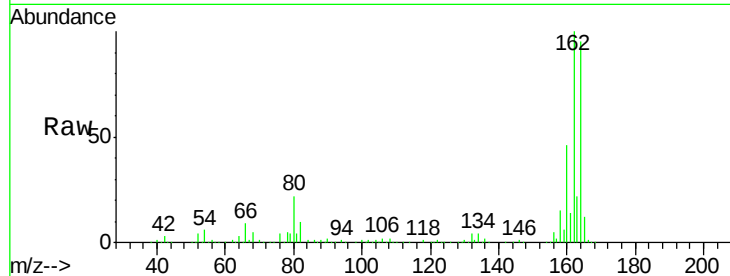
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-4

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	308520		
162	105.4	86.1	129.1	
160	48.1	38.3	57.5	

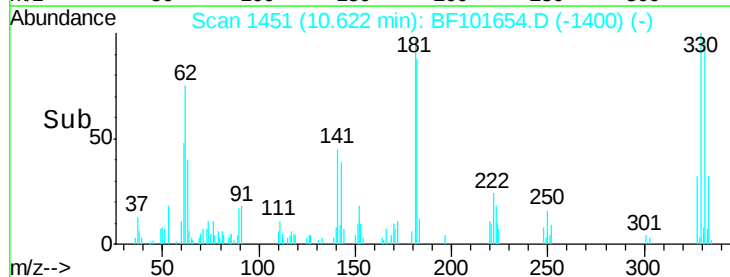
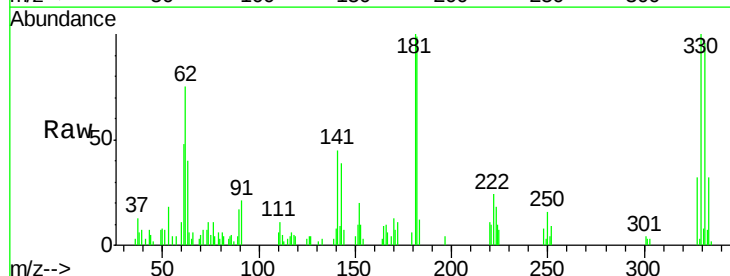
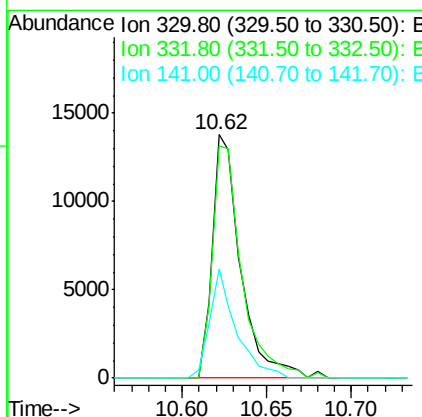
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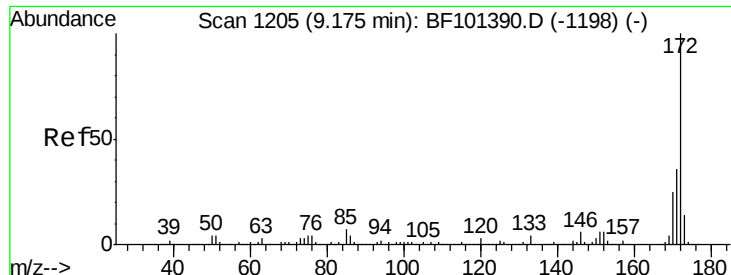
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#41
 2,4,6-Tribromophenol
 Concen: 5.483 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

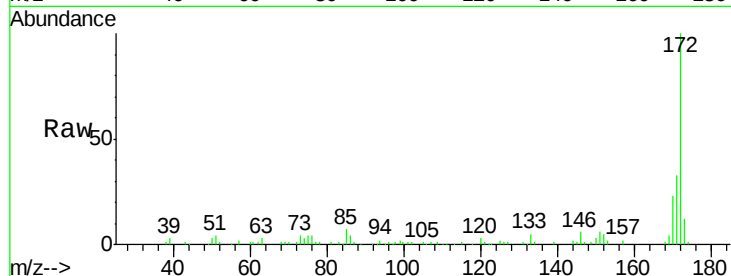
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	16301		
332	99.4	77.0	115.6	
141	41.7	29.9	44.9	





#44
2-Fluorobiphenyl
Concen: 5.170 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

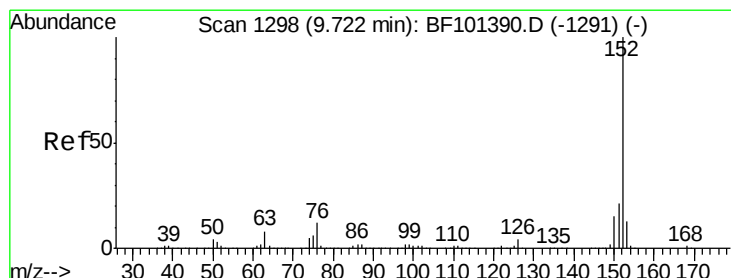
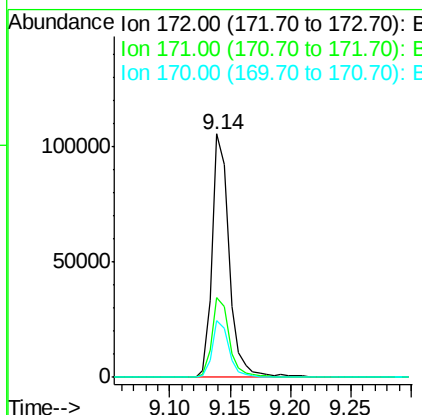
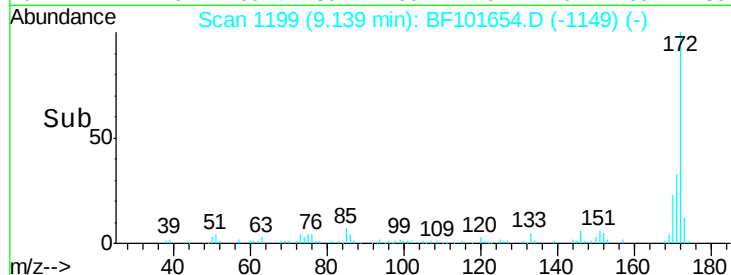
Instrument :
BNA_F
ClientSampled :
ROLL-OFF-4



Tgt Ion:172 Resp: 102823
Ion Ratio Lower Upper
172 100
171 32.9 29.7 44.5
170 23.1 19.6 29.4

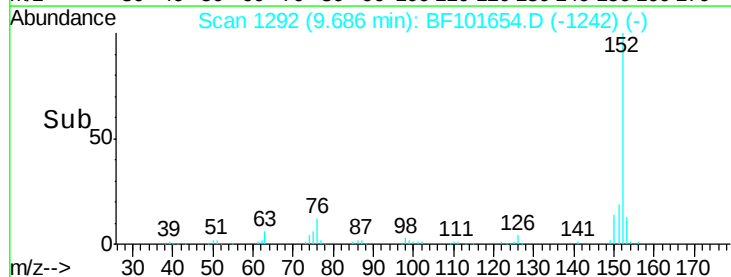
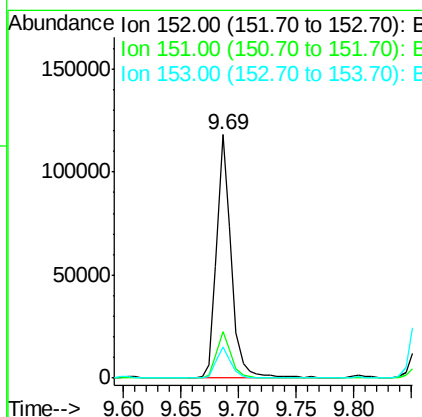
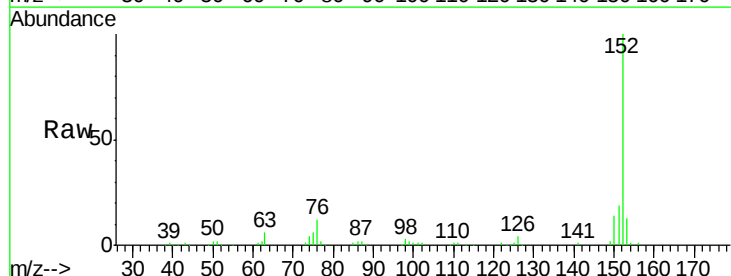
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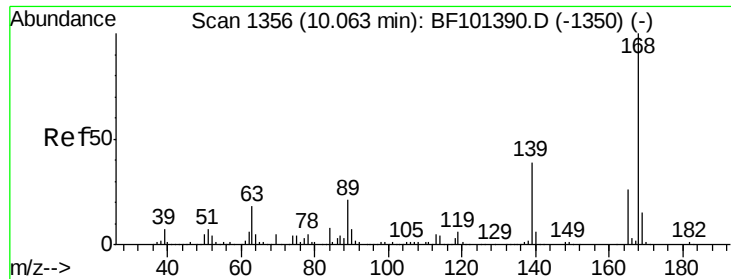
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#48
Acenaphthylene
Concen: 3.159 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion:152 Resp: 104460
Ion Ratio Lower Upper
152 100
151 19.2 16.3 24.5
153 12.6 10.7 16.1





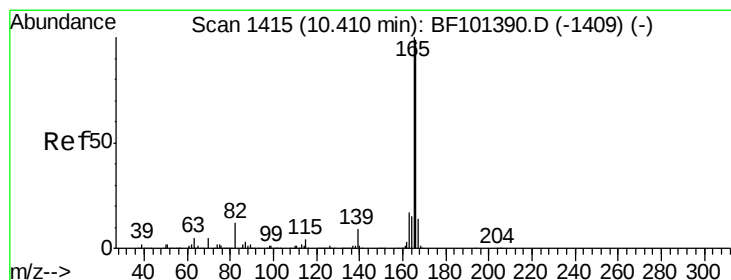
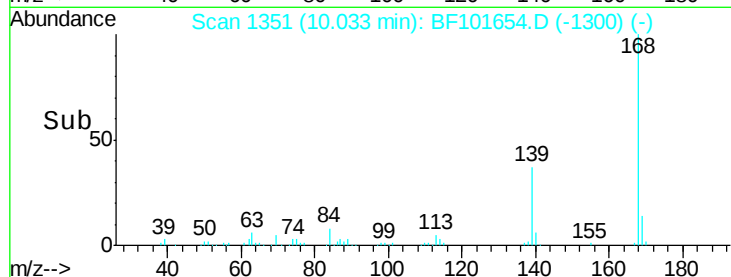
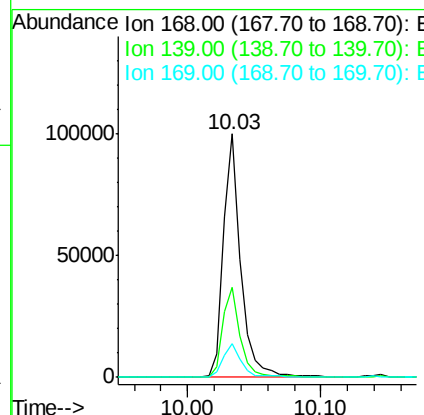
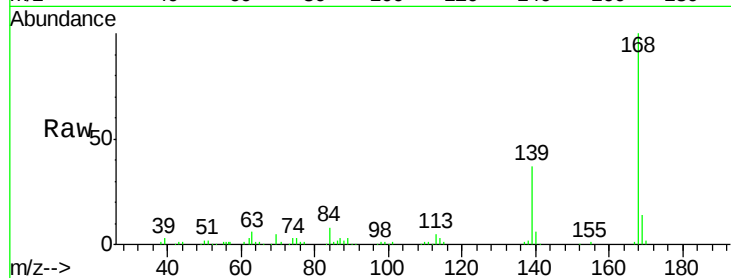
#54
Dibenzenofuran
Concen: 3.657 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	92323		
139	37.1		30.1	45.1
169	13.9		10.9	16.3

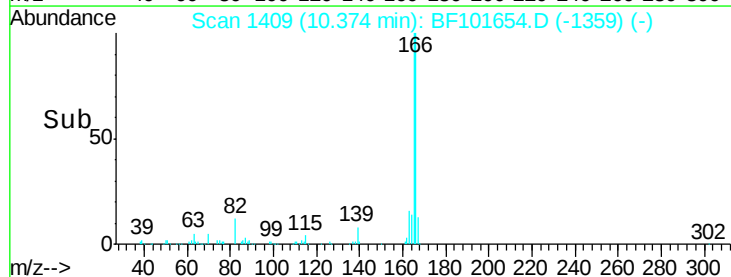
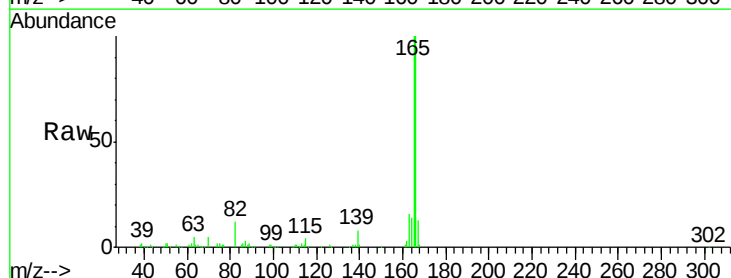
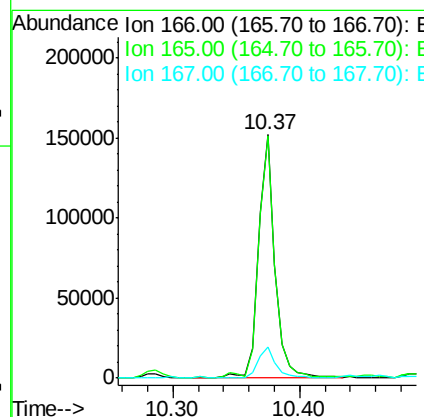
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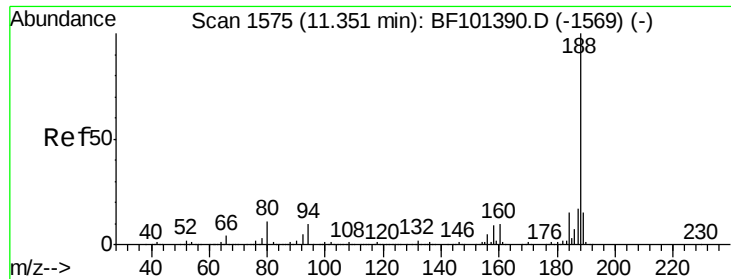
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#57
Fluorene
Concen: 6.459 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	137957		
165	99.5		79.8	119.8
167	12.8		10.6	16.0





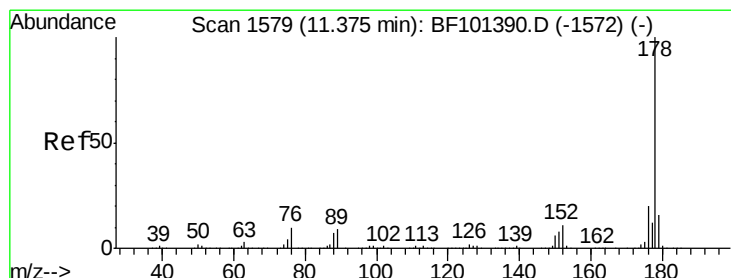
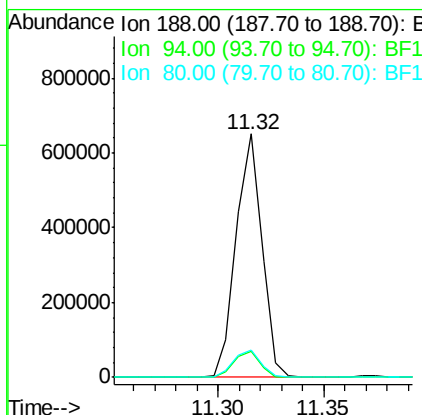
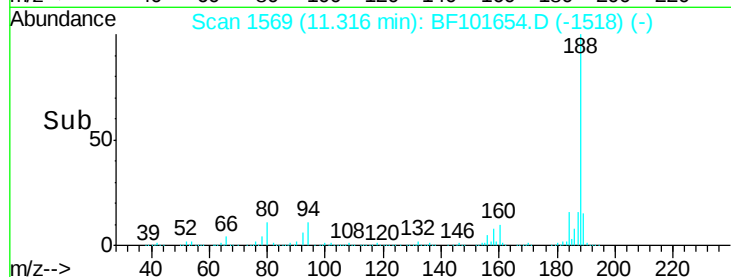
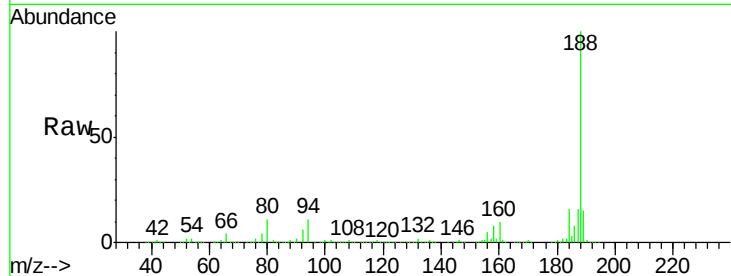
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	549597		
94	10.6		8.5	12.7
80	11.2		9.2	13.8

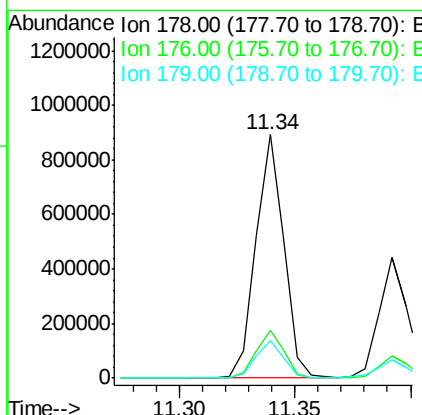
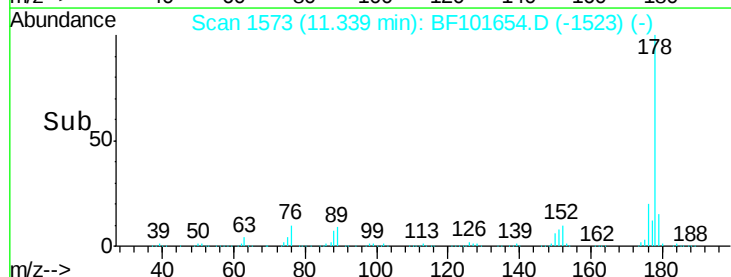
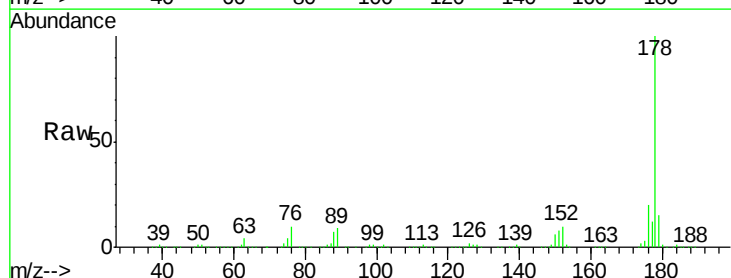
Manual Integrations
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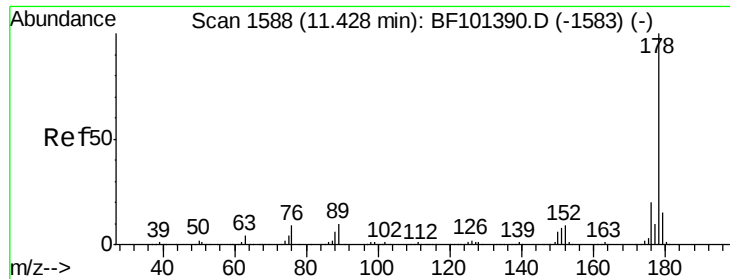
Sohil
12/26/2017 1:37:17 PM



#70
Phenanthrene
Concen: 24.680 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	754319		
176	19.8		15.8	23.8
179	15.3		13.0	19.6





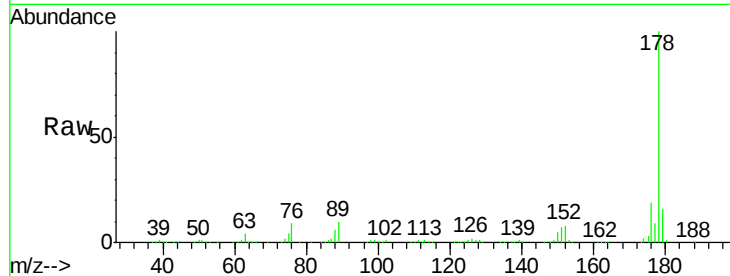
#71
 Anthracene
 Concen: 12.086 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-4

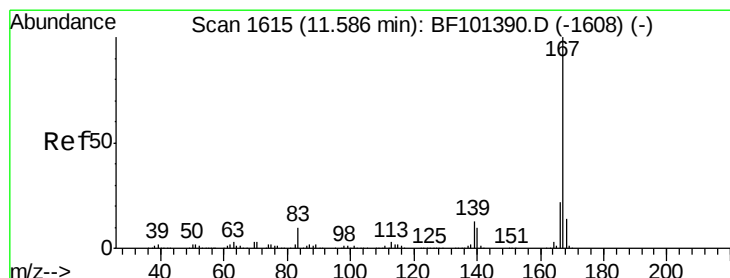
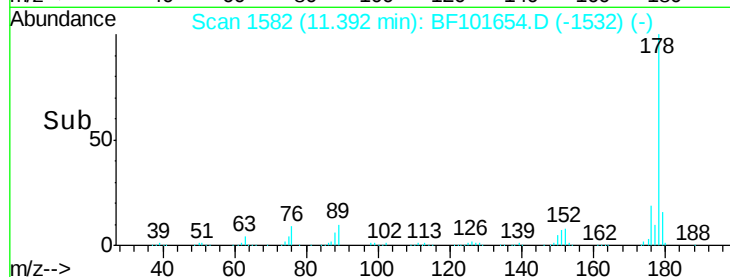
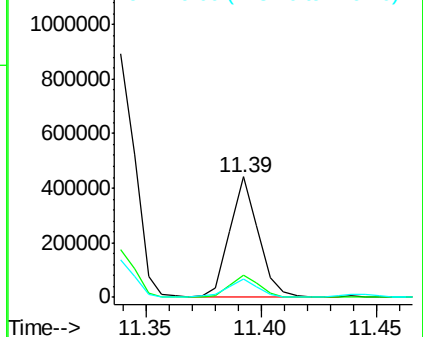
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.6	12.6	19.0

Manual Integrations
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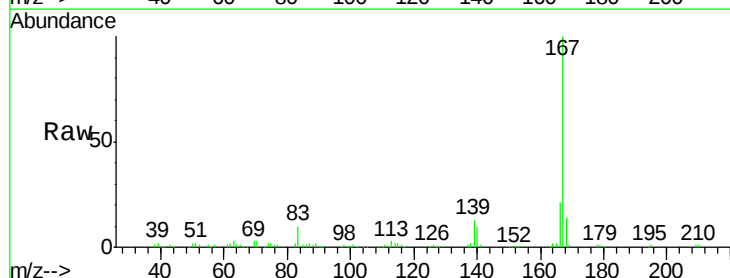


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

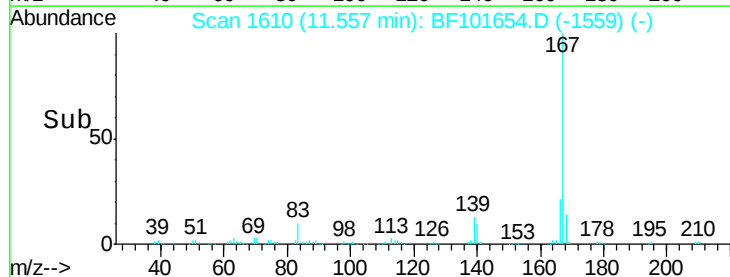
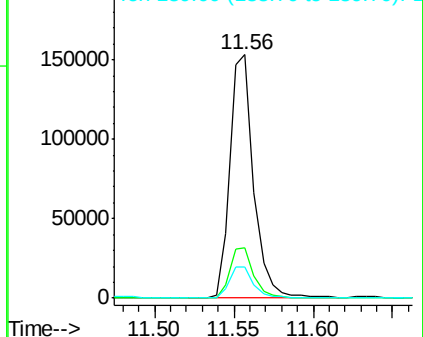


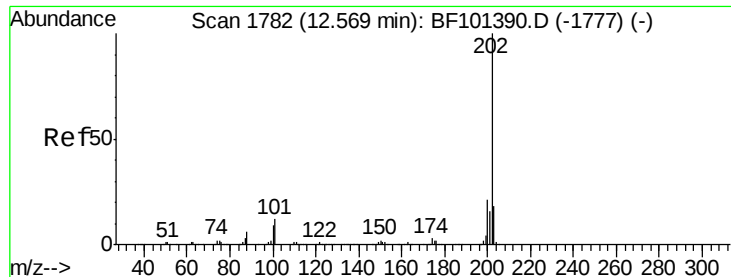
#72
 Carbazole
 Concen: 5.434 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.6	26.4
139	12.7	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





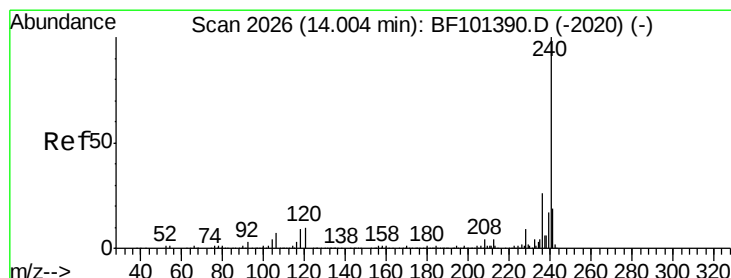
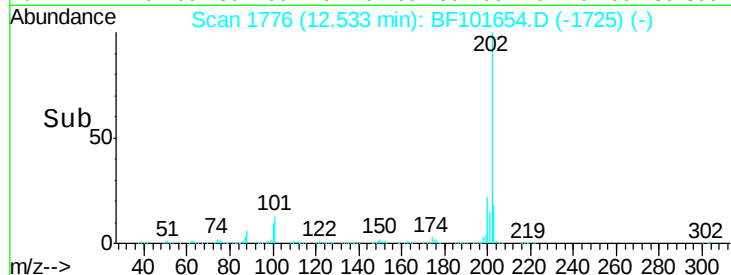
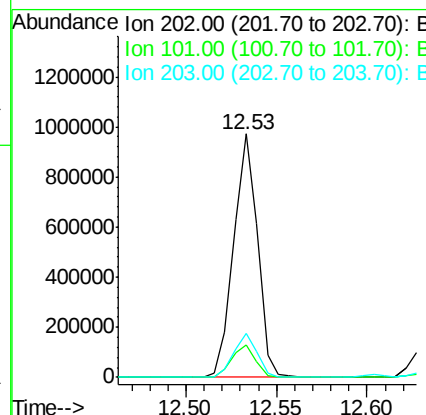
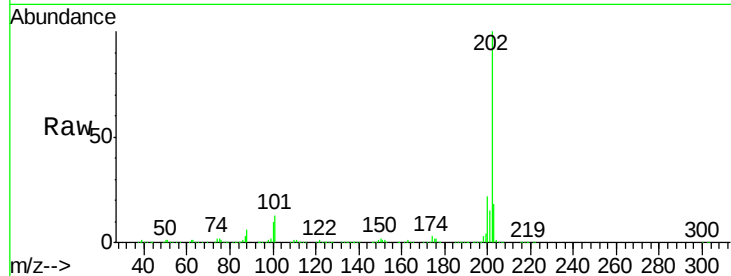
#74
 Fluoranthene
 Concen: 27.907 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-4

Tgt Ion:	202	Resp:	895280
Ion Ratio		Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.1	0.0	38.1

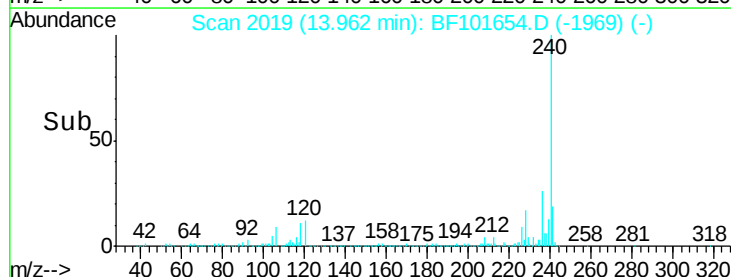
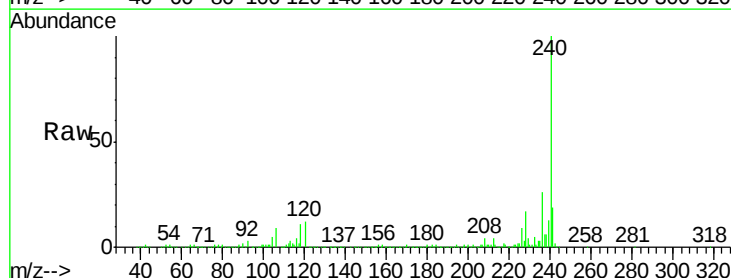
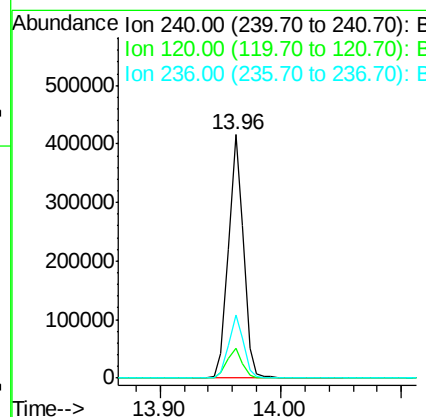
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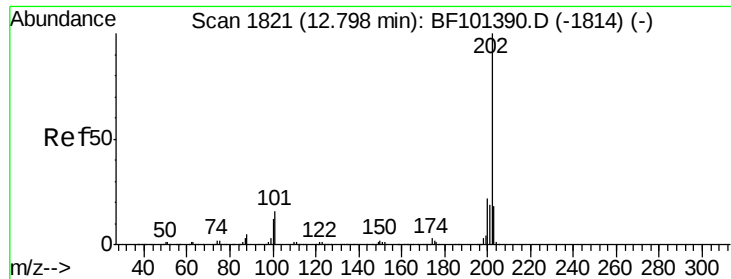
Sohil
 12/26/2017 1:37:17 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Tgt Ion:	240	Resp:	357493
Ion Ratio		Lower	Upper
240	100		
120	12.3	9.5	14.3
236	25.8	20.7	31.1





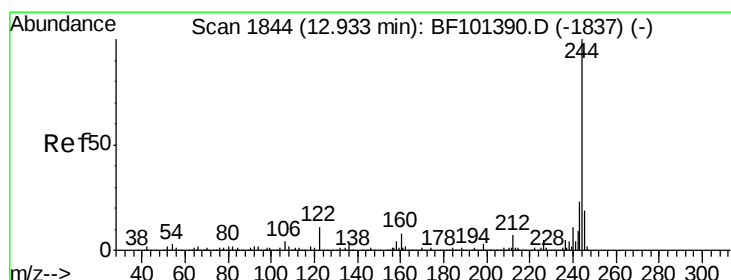
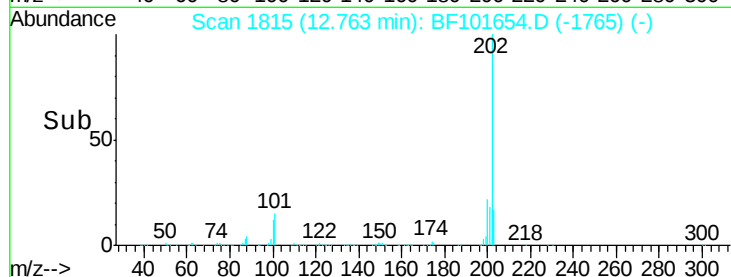
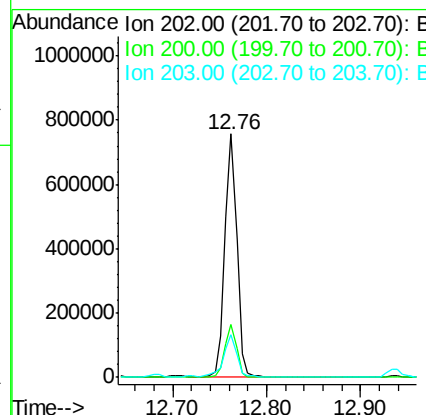
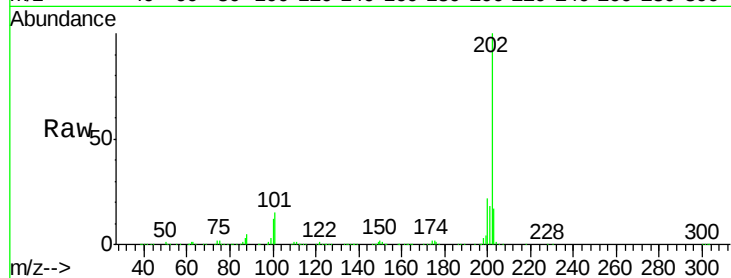
#77
 Pyrene
 Concen: 25.477 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Instrument :
 BNA_F
 ClientSampled :
 ROLL-OFF-4

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.5	14.3	21.5

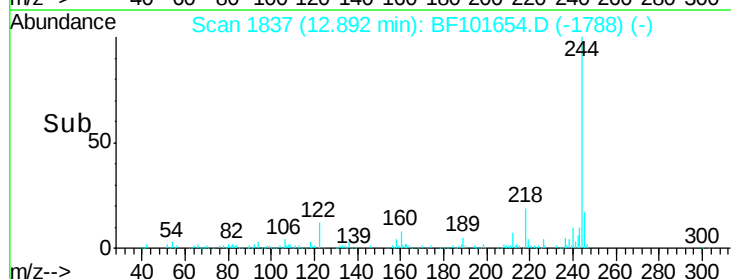
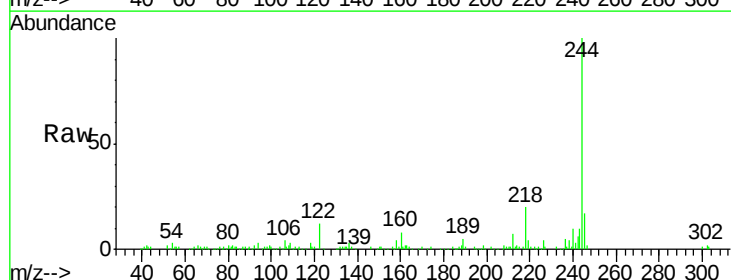
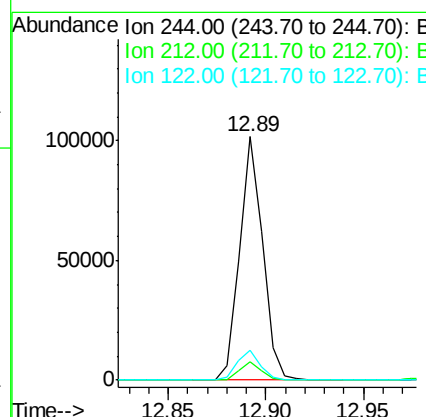
Manual Integrations
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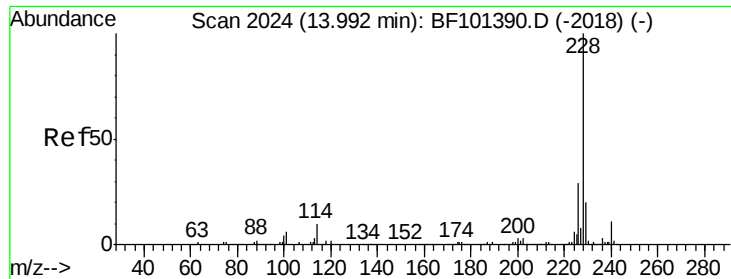
Sohil
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#78
 Terphenyl-d14
 Concen: 5.640 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101654.D
 Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	12.2	11.0	16.4





#80

Benzo(a)anthracene

Concen: 12.274 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF101654.D

Acq: 22 Dec 2017 15:37

Instrument :

BNA_F

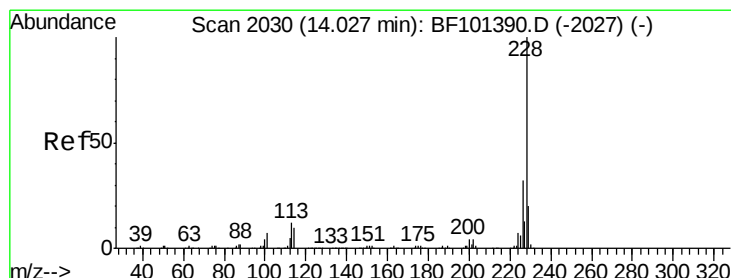
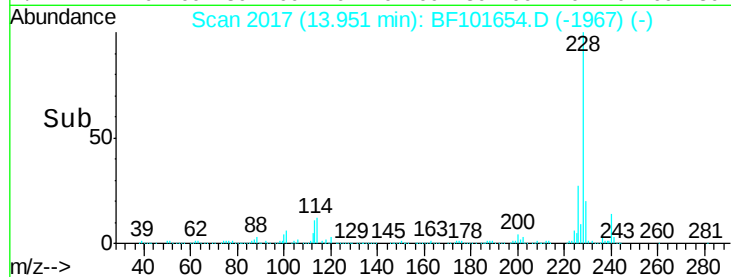
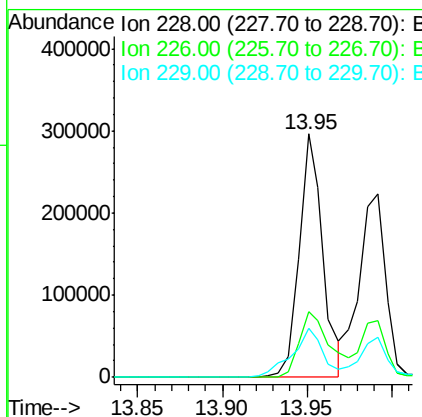
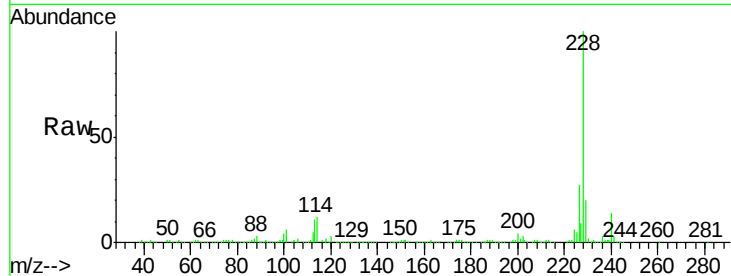
ClientSampleId :

ROLL-OFF-4

Tgt Ion:	228	Resp:	289744
Ion Ratio	Lower	Upper	
228	100		
226	27.2	22.6	33.8
229	20.3	15.8	23.6

Manual Integrations
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#82

Chrysene

Concen: 10.958 ng

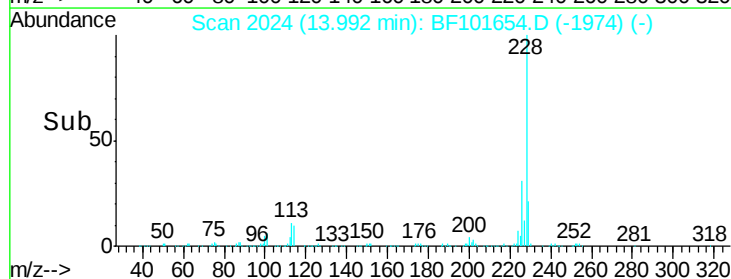
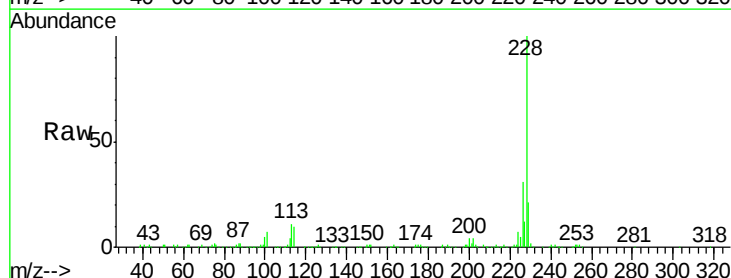
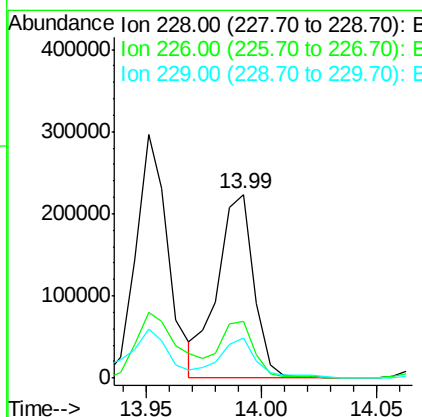
RT: 13.99 min Scan# 2024

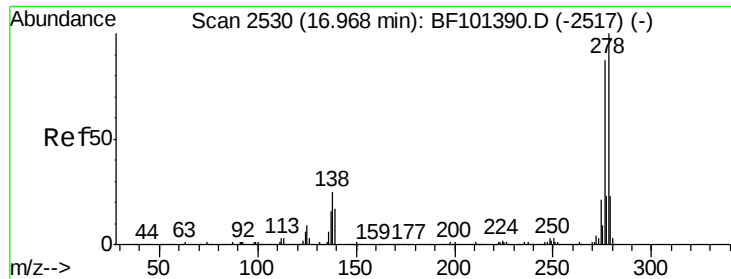
Delta R.T. -0.01 min

Lab File: BF101654.D

Acq: 22 Dec 2017 15:37

Tgt Ion:	228	Resp:	244231
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	21.5	16.2	24.4





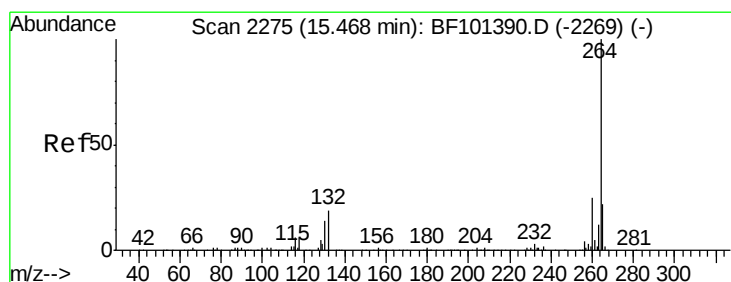
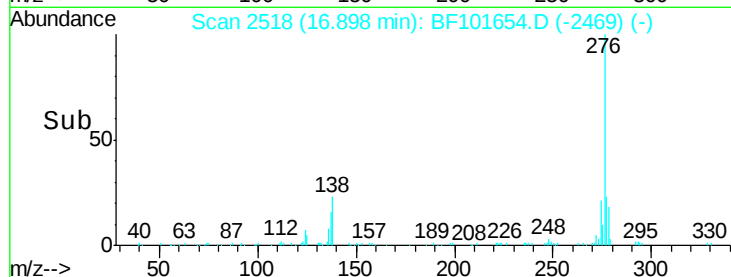
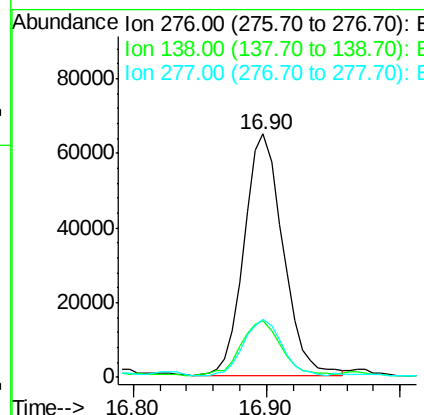
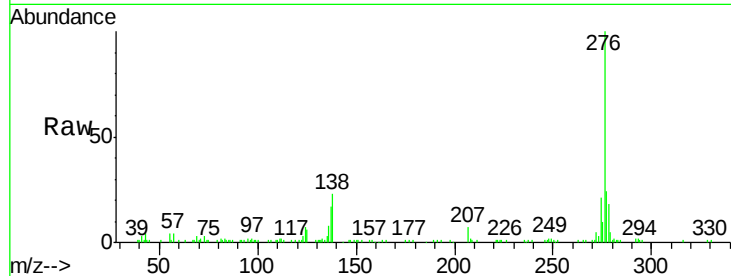
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.592 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampled :
ROLL-OFF-4

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	25.0	37.6#
277	22.8	20.1	30.1

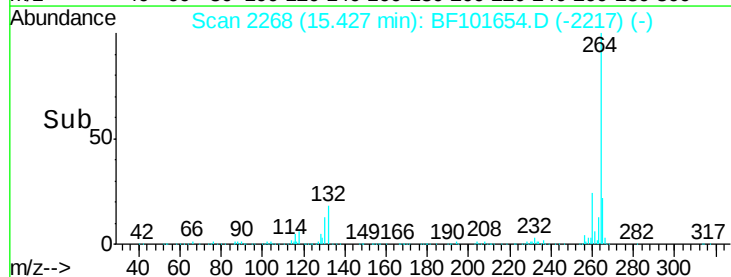
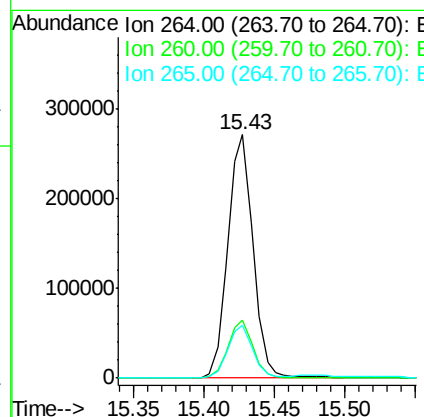
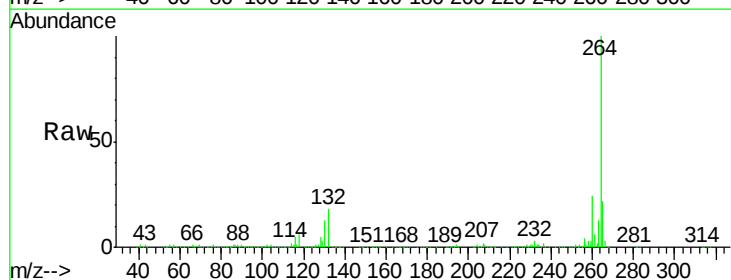
Manual Integrations
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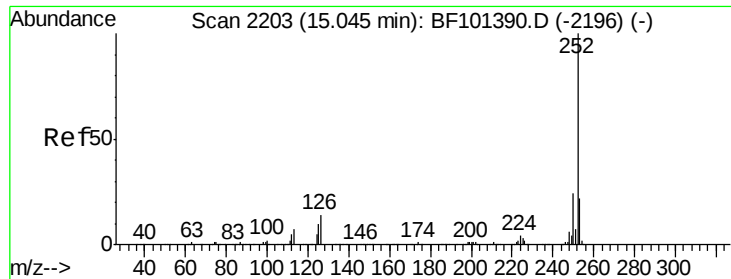
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	17.5	26.3





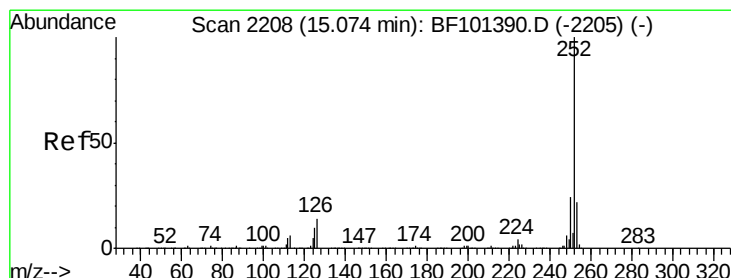
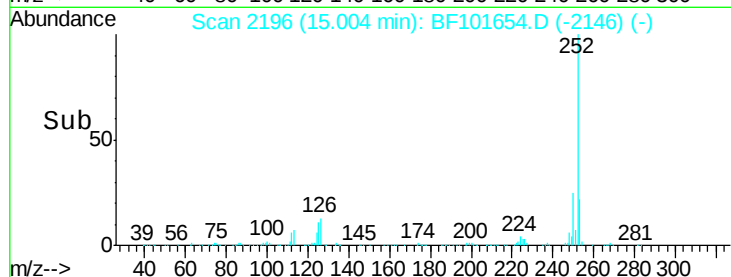
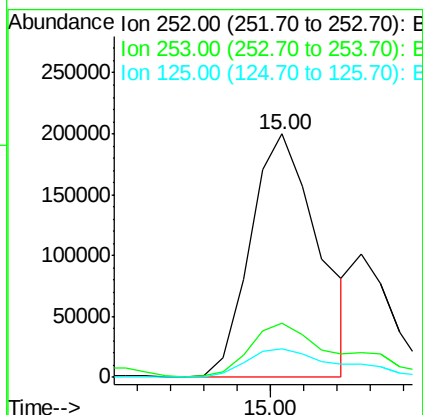
#87
Benzo(b)fluoranthene
Concen: 13.823 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampled :
ROLL-OFF-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.6	9.0	13.6

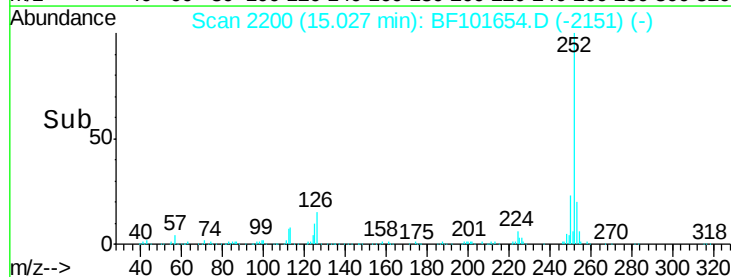
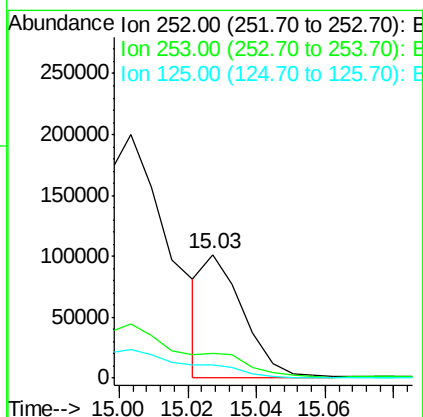
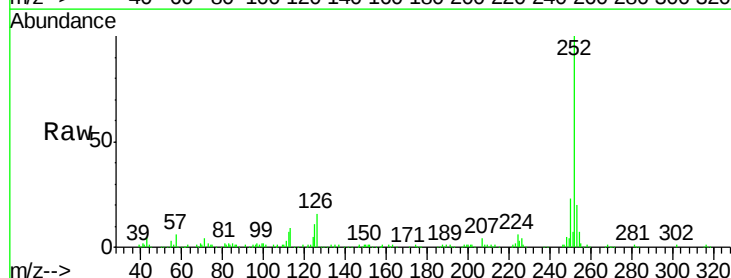
Manual Integrations
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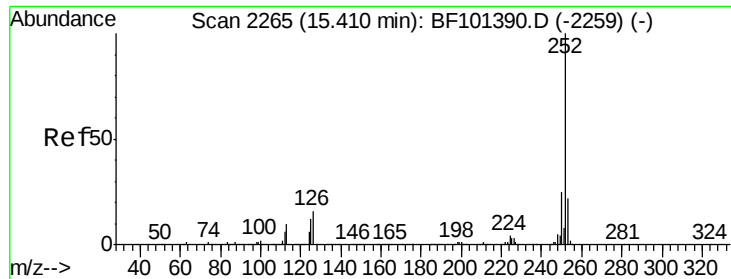
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#88
Benzo(k)fluoranthene
Concen: 4.161 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.9	26.9
125	11.1	10.2	15.2





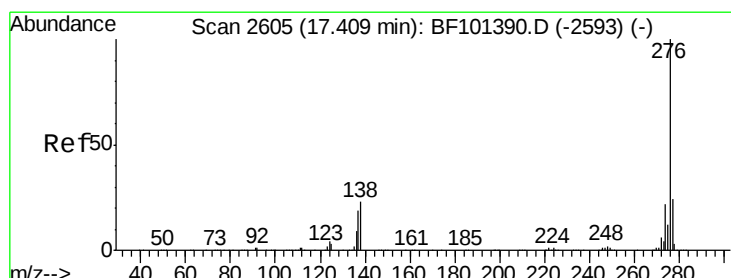
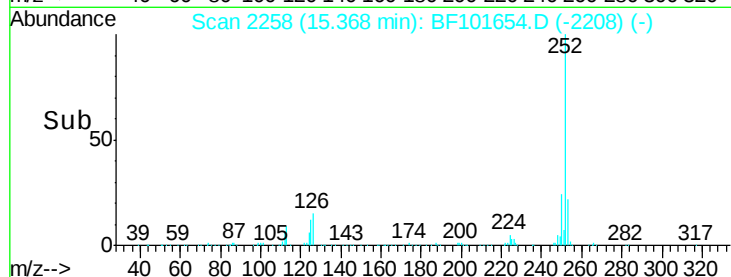
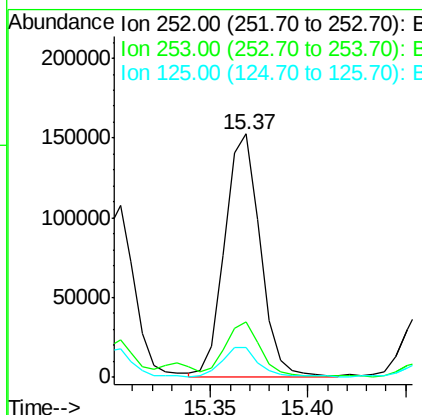
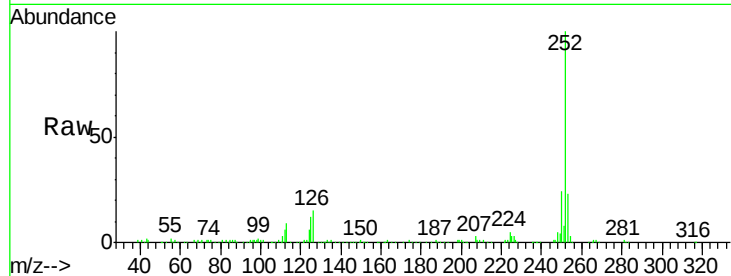
#89
Benzo(a)pyrene
Concen: 10.105 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	12.2	9.8	14.6

Manual Integrations
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12/26/2017 1:37:17 PM



#91
Benzo(g,h,i)perylene
Concen: 7.561 ng
RT: 17.34 min Scan# 2594
Delta R.T. 0.00 min
Lab File: BF101654.D
Acq: 22 Dec 2017 15:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	21.6	21.8	32.8#

