

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101611.D
 Acq On : 21 Dec 2017 17:12
 Operator : SJ/JU
 Sample : I6993-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-3

Manual Integrations
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Sohil
 12/22/2017 12:42:05 PM

Quant Time: Dec 22 11:40:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129838m	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	467529	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	171041	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	276571	20.00	ng	0.00
75) Chrysene-d12	13.97	240	291035	20.00	ng	0.00
86) Perylene-d12	15.44	264	252549	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1037801	119.06	ng	0.01
7) Phenol-d6	6.45	99	1258198	115.99	ng	0.00
23) Nitrobenzene-d5	7.37	82	787666	93.78	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	183457	111.31	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1121545	101.72	ng	0.00
78) Terphenyl-d14	12.91	244	905403	75.00	ng	0.00
Target Compounds						
10) Phenol	6.46	94	44827	3.626	ng	84
31) Naphthalene	8.10	128	526865	22.384	ng	99
37) 2-Methylnaphthalene	8.79	142	39074	2.548	ng	99
48) Acenaphthylene	9.70	152	108439	5.915	ng	99
49) Dimethylphthalate	9.55	163	188528	13.703	ng	99
54) Dibenzofuran	10.04	168	74861	5.348	ng	100
57) Fluorene	10.38	166	84235	7.114	ng	98
70) Phenanthrene	11.35	178	401731	26.119	ng	98
71) Anthracene	11.40	178	133610	8.504	ng	99
72) Carbazole	11.56	167	67012	4.556	ng	99
74) Fluoranthene	12.54	202	340173	21.071	ng	98
77) Pvrene	12.77	202	254503	11.652	ng	98
80) Benzo(a)anthracene	13.96	228	125655	6.539	ng	95
82) Chrysene	14.00	228	98384	5.422	ng	99
87) Benzo(b)fluoranthene	15.02	252	100044m	6.499	ng	
88) Benzo(k)fluoranthene	15.04	252	38727m	2.588	ng	
89) Benzo(a)pvrene	15.37	252	71021	5.005	ng	# 95
91) Benzo(g,h,i)perylene	17.37	276	31857	2.641	ng	97

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

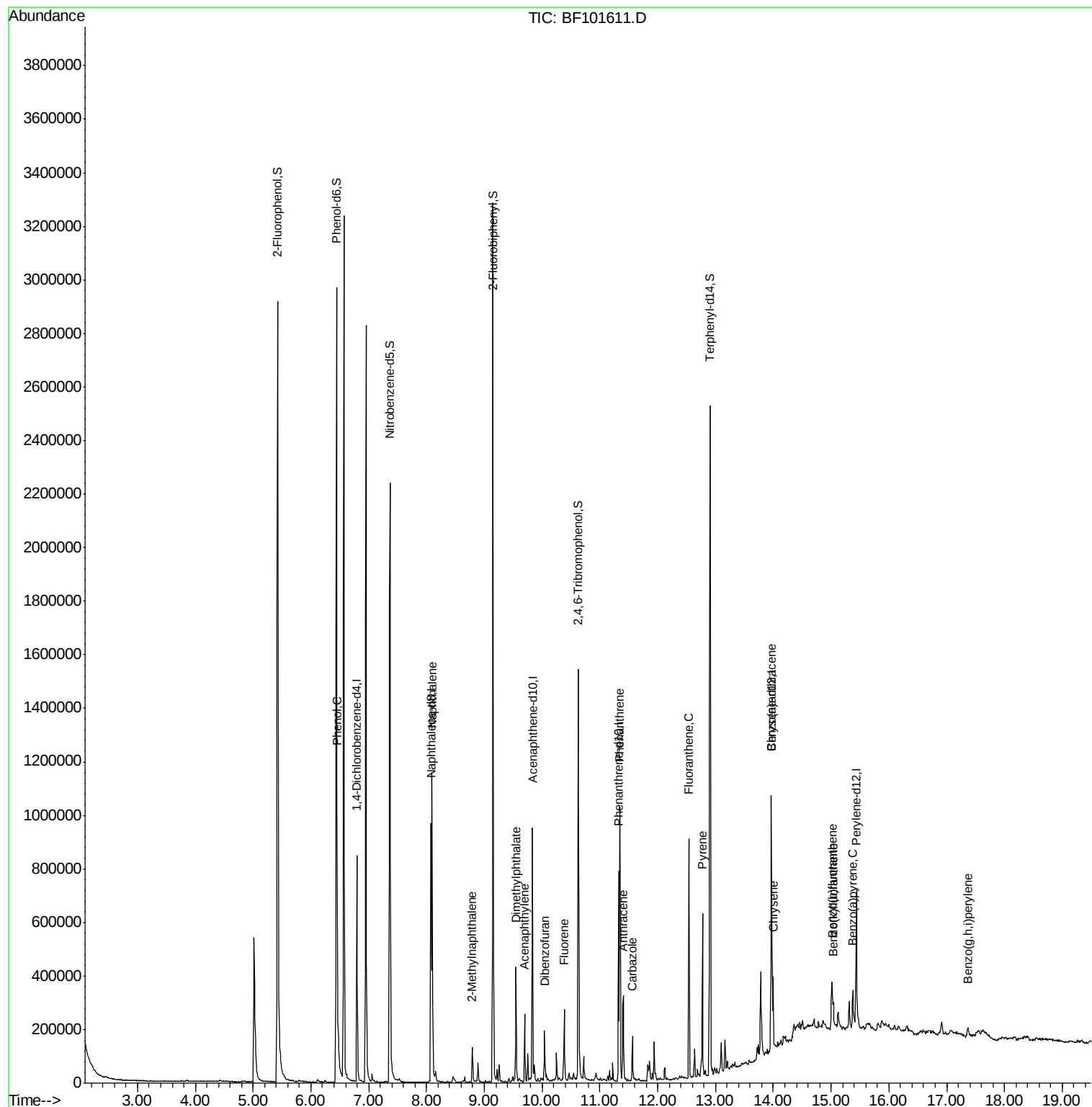
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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ALS Vial : 15 Sample Multiplier: 1

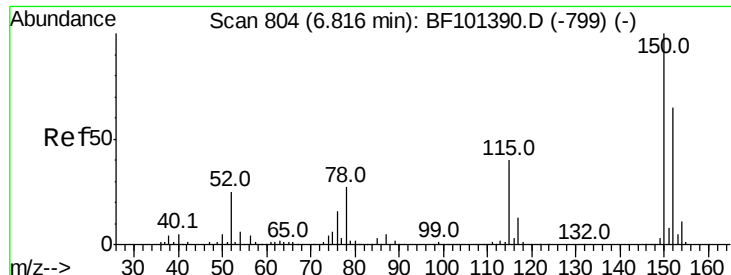
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ClientSampleId :
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#1

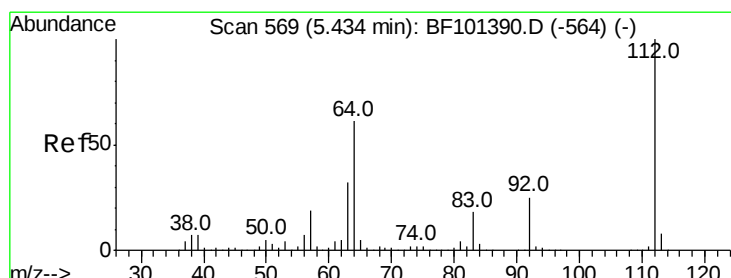
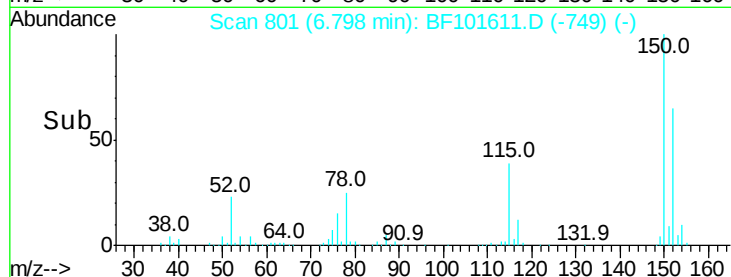
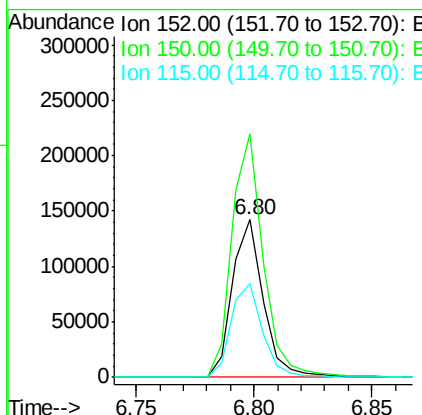
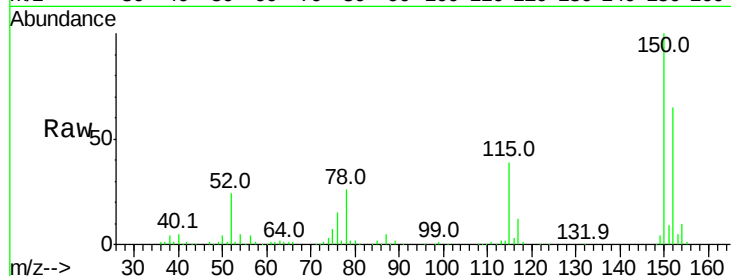
1,4-Dichlorobenzene-d4
Concen: 20.000 ng/ml
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	59.7	50.1	75.1

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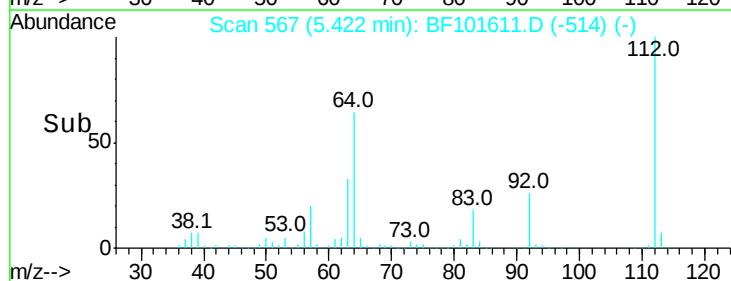
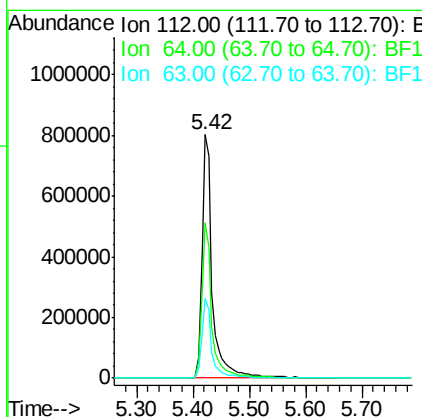
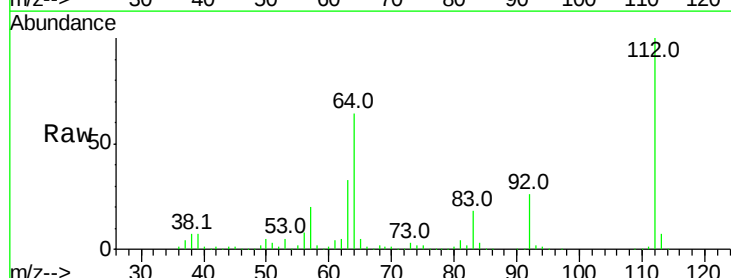
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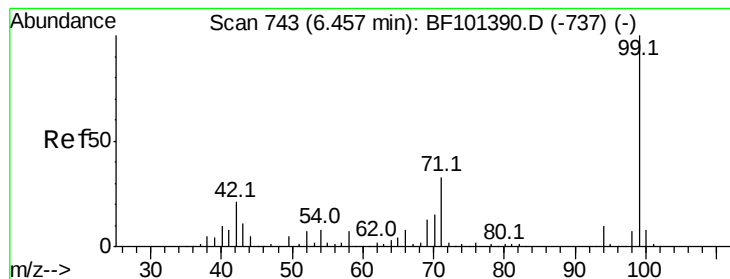


#5

2-Fluorophenol
Concen: 119.063 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 115.985 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

ClientSampled :

ROLL-OFF-3

Tot Ion: 99 Resp: 1258198

Ion Ratio Lower Upper

99 100

42 20.3 14.5 21.7

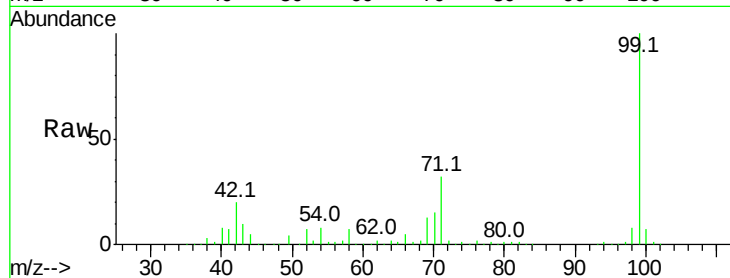
71 32.4 25.4 38.0

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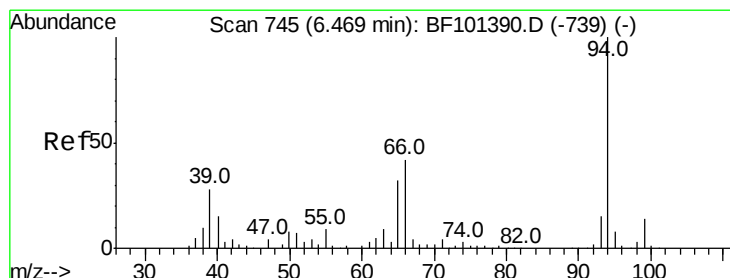
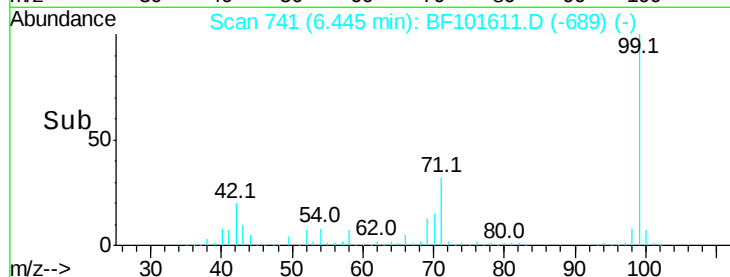
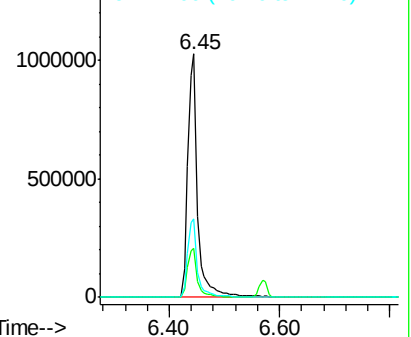
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.626 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

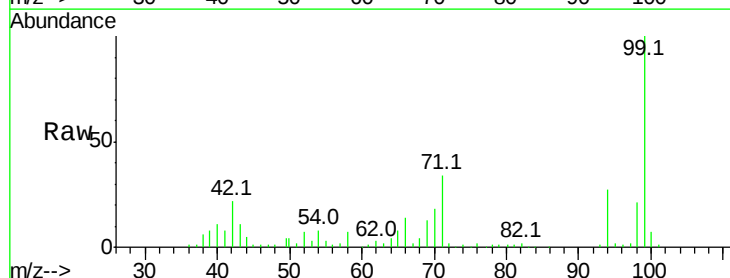
Tgt Ion: 94 Resp: 44827

Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

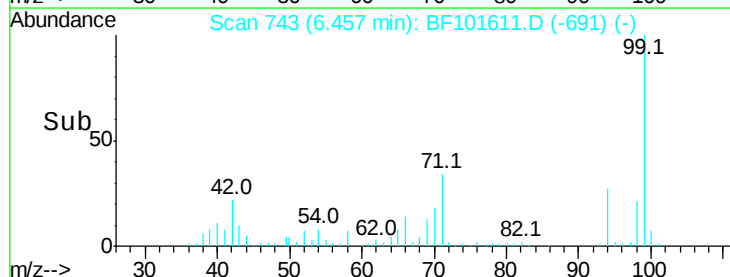
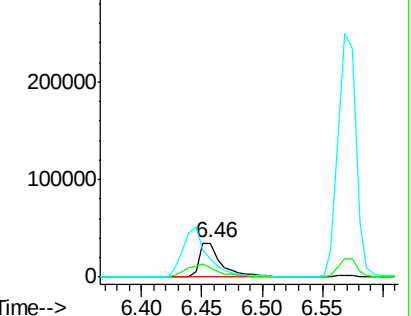
66 53.1 16.2 56.2

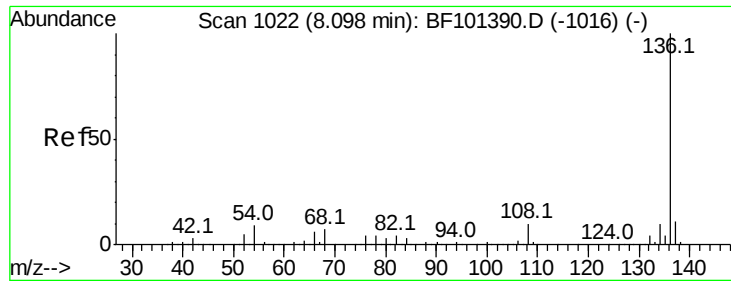


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





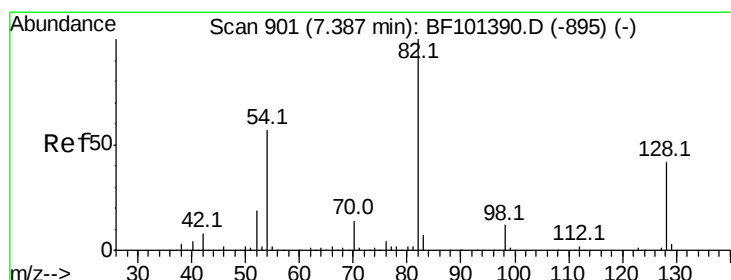
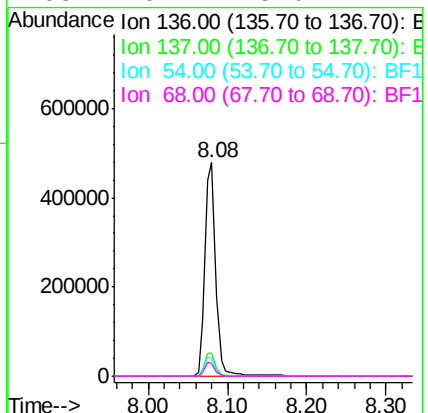
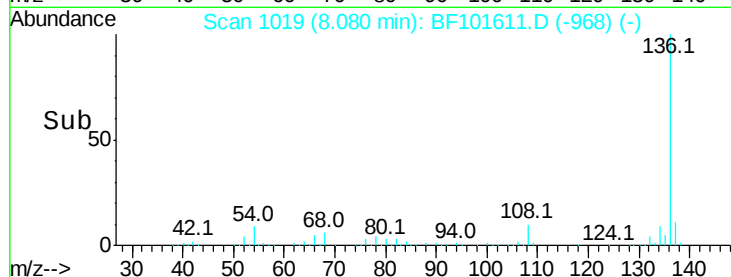
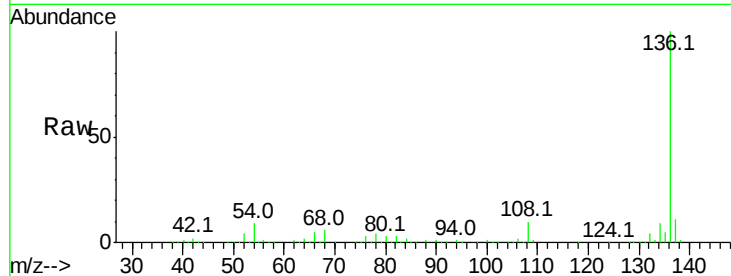
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	8.6	6.6	9.8	
68	6.2	5.0	7.4	

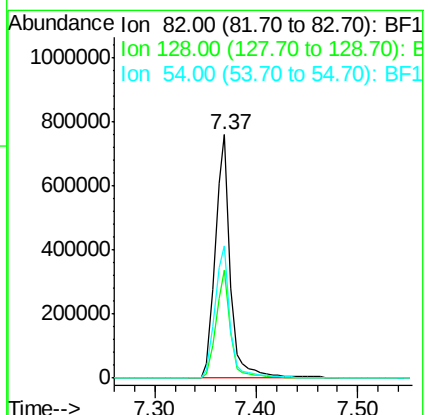
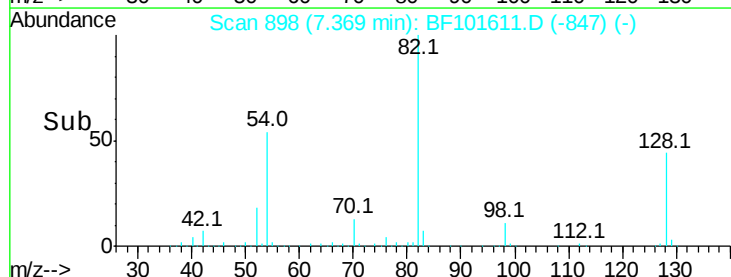
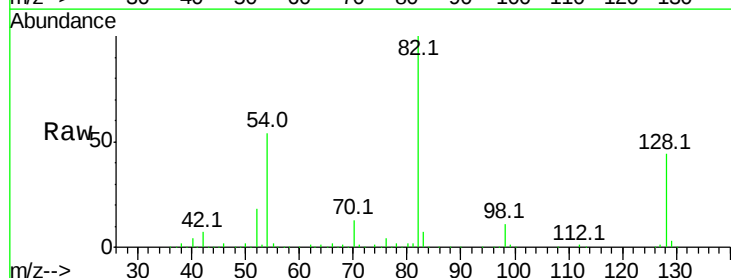
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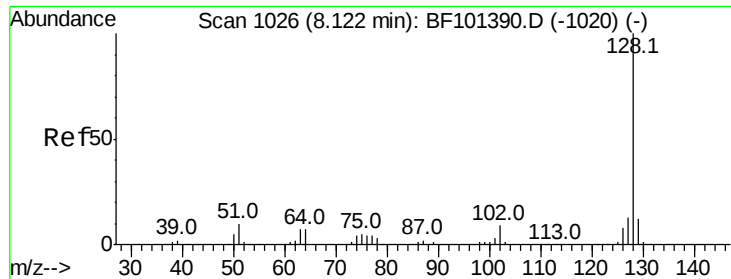
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#23
Nitrobenzene-d5
Concen: 93.783 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	36.1	54.1	
54	54.4	41.4	62.2	





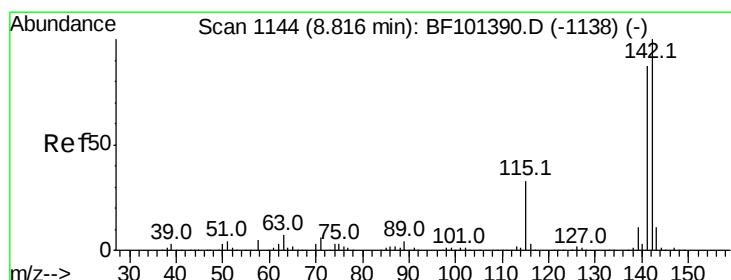
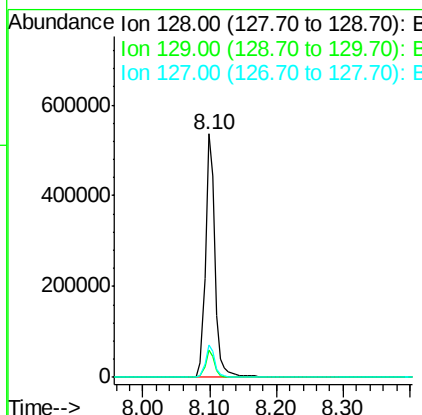
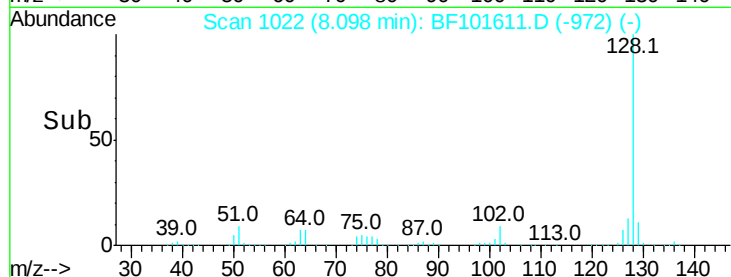
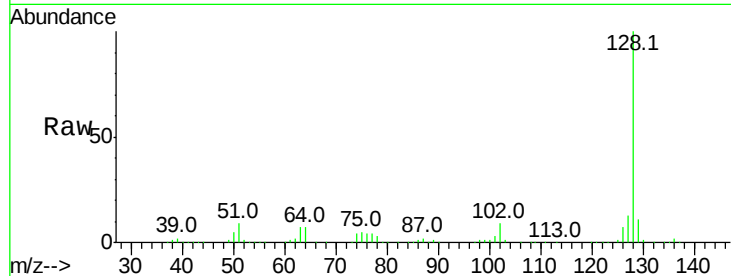
#31
Naphthalene
Concen: 22.384 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.4	8.8	13.2	
127	13.3	10.9	16.3	

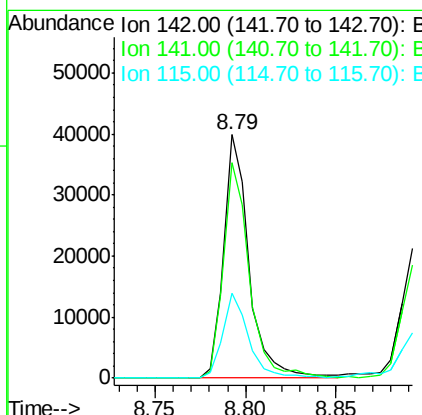
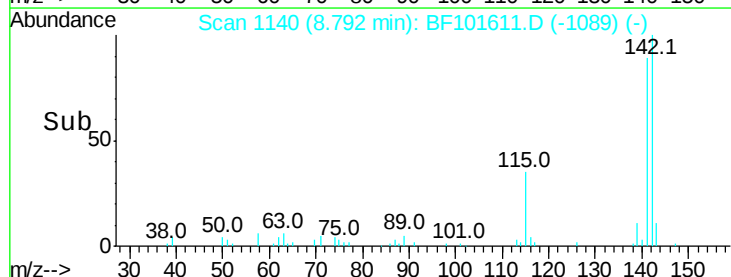
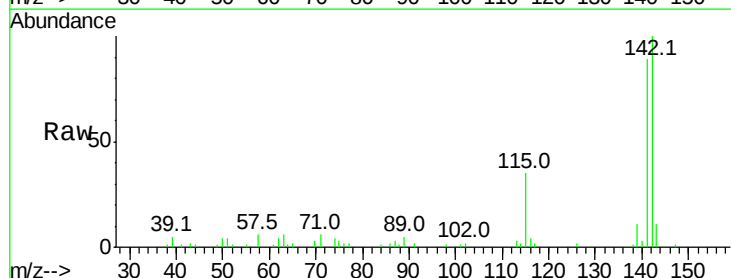
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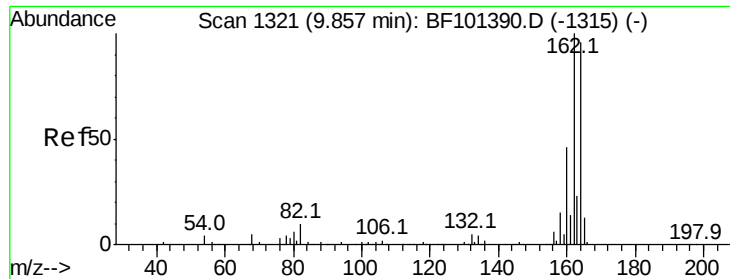
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#37
2-Methylnaphthalene
Concen: 2.548 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	88.5	70.8	106.2	
115	35.0	26.1	39.1	





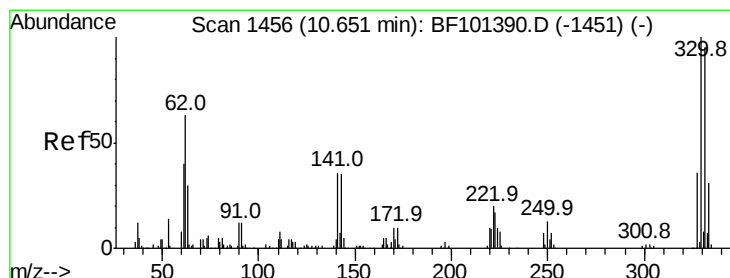
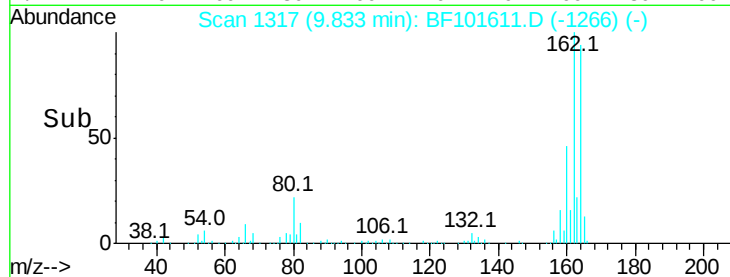
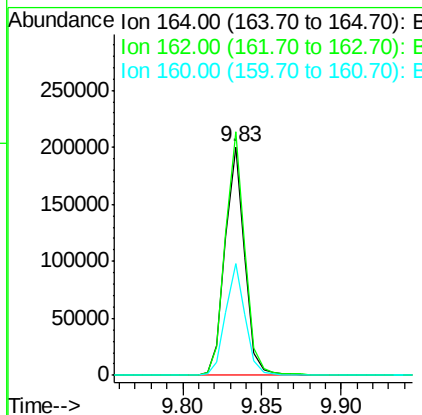
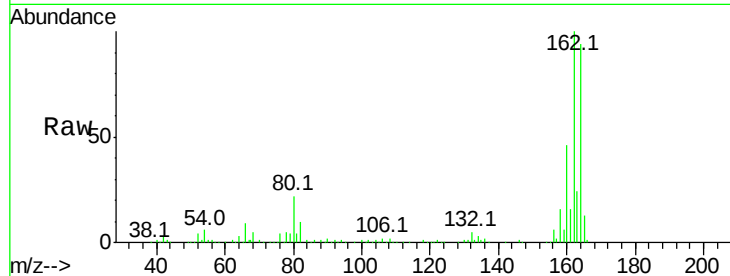
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-3

Tot Ion	Ratio	Resp	Lower	Upper
164	100	171041		
162	106.7	86.1	129.1	
160	49.1	38.3	57.5	

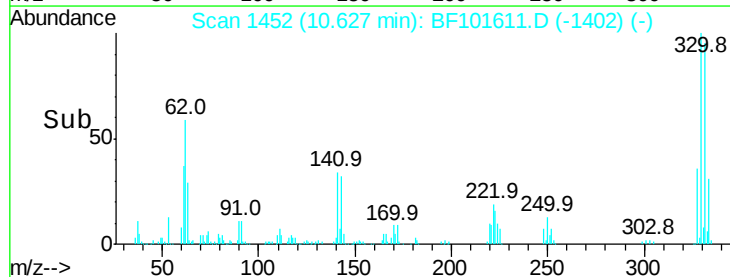
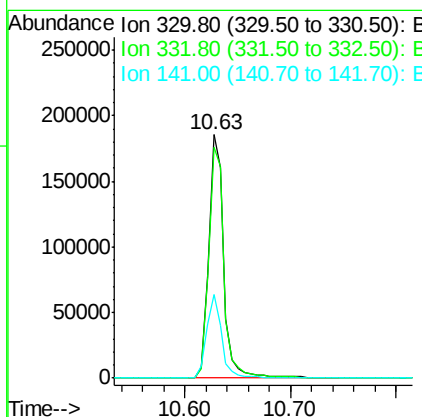
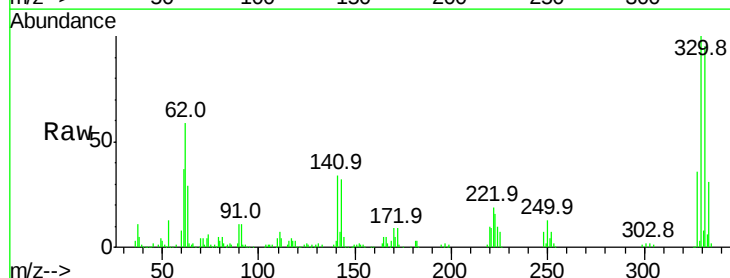
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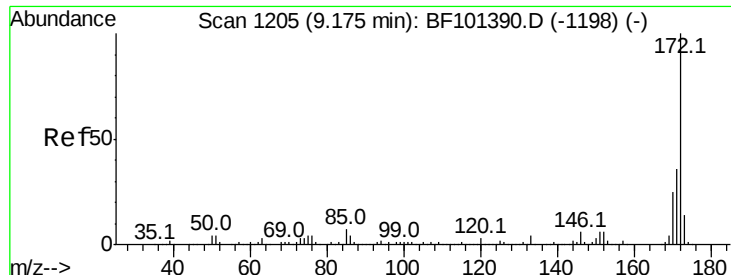
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#41
 2,4,6-Tribromophenol
 Concen: 111.313 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	183457		
332	97.7	77.0	115.6	
141	34.4	29.9	44.9	





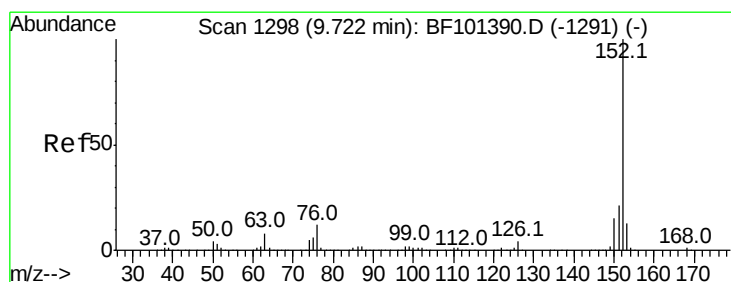
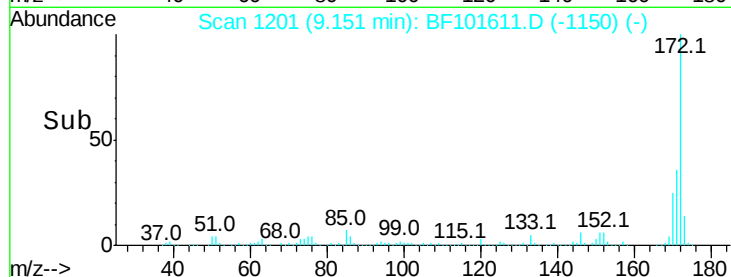
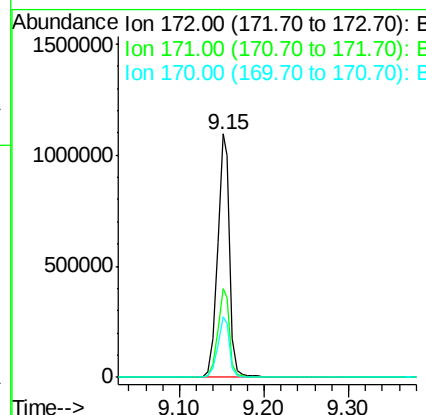
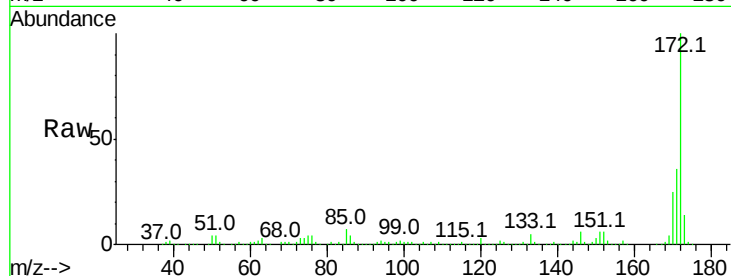
#44
2-Fluorobiphenyl
Concen: 101.718 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampled :
ROLL-OFF-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.9	19.6	29.4

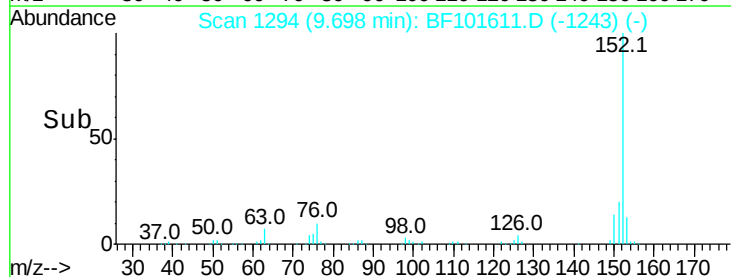
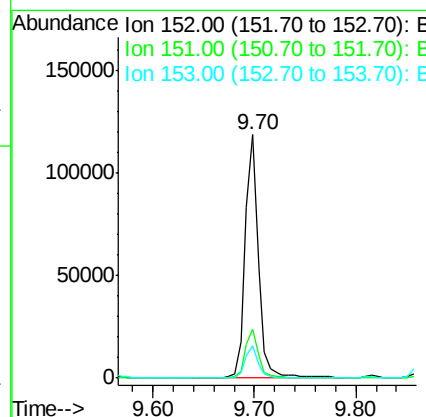
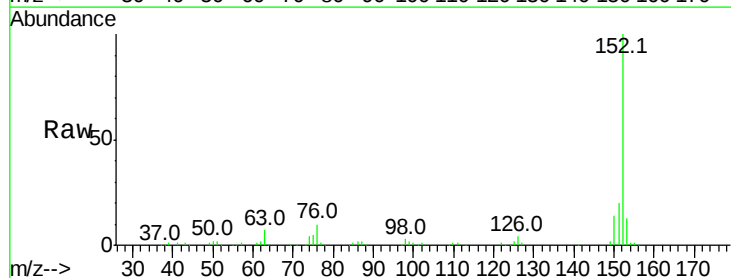
Manual Integrations
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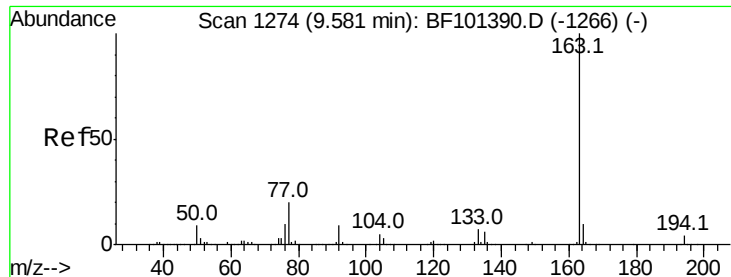
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#48
Acenaphthylene
Concen: 5.915 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.2	10.7	16.1





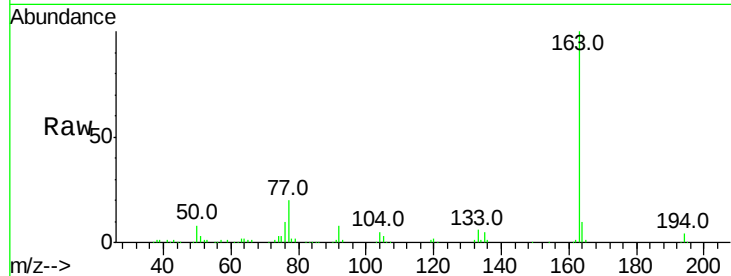
#49
Dimethylphthalate
Concen: 13.703 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampled :
ROLL-OFF-3

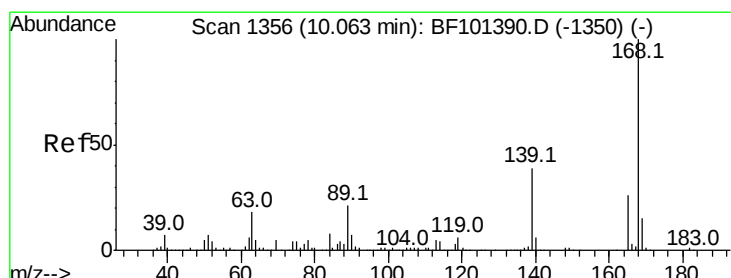
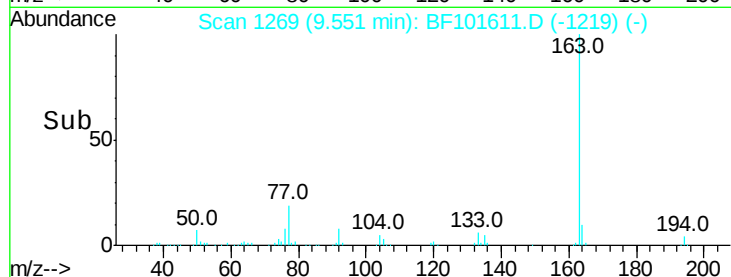
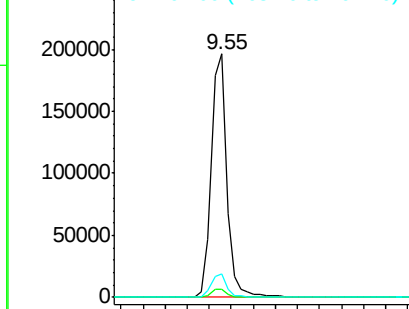
Tot Ion	Ratio	Resp	Lower	Upper
163	100	188528		
194	3.5	2.7	4.1	
164	9.6	8.2	12.2	

Manual Integrations
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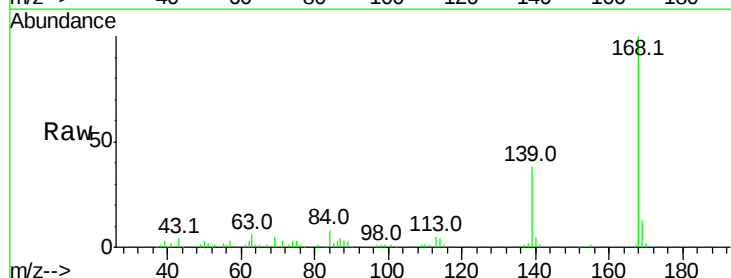


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

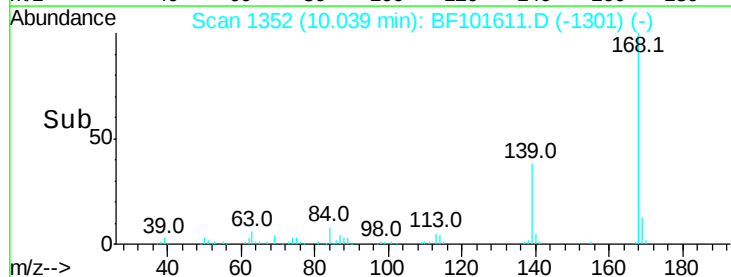
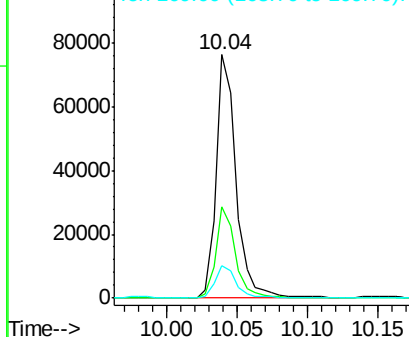


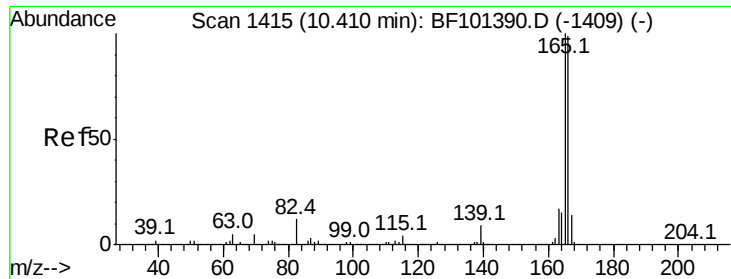
#54
Dibenzofuran
Concen: 5.348 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	74861		
139	37.7	30.1	45.1	
169	13.1	10.9	16.3	



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





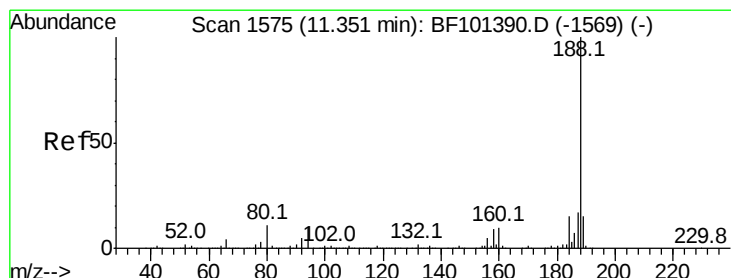
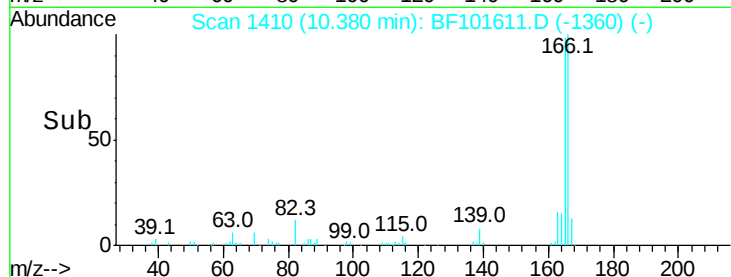
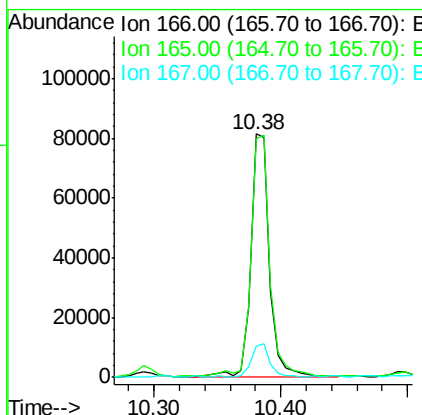
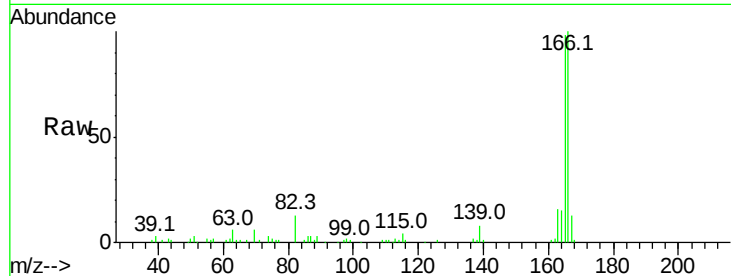
#57
Fluorene
 Concen: 7.114 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-3

Tot Ion	Ratio	Resp	Lower	Upper
166	100	84235		
165	97.9		79.8	119.8
167	12.6		10.6	16.0

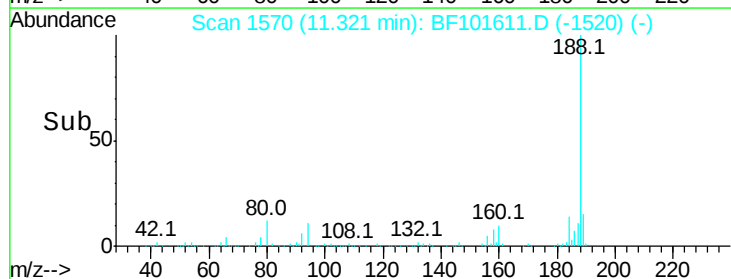
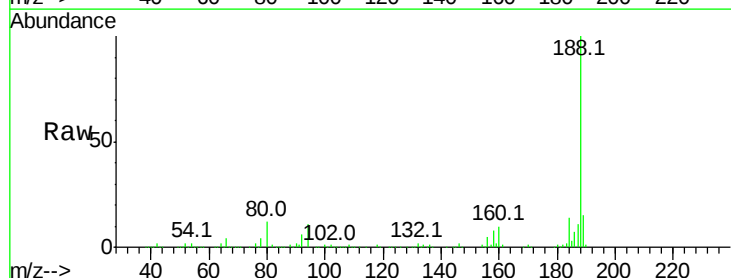
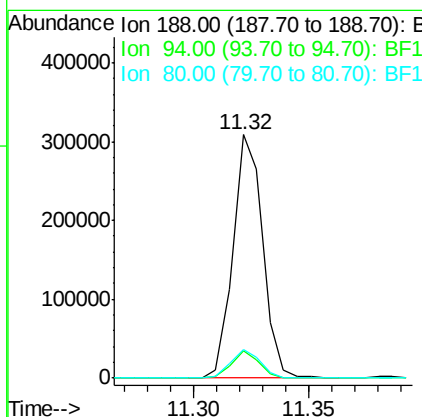
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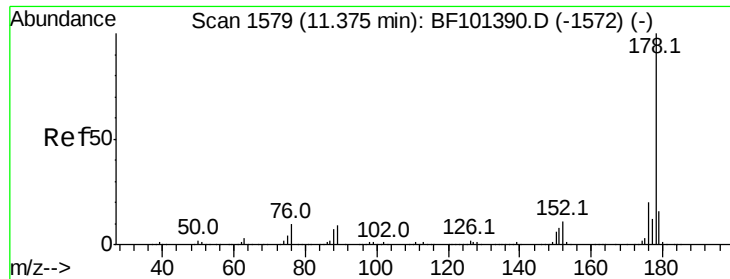
Sohil
 12/22/2017 12:42:05 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	276571		
94	11.2		8.5	12.7
80	11.8		9.2	13.8





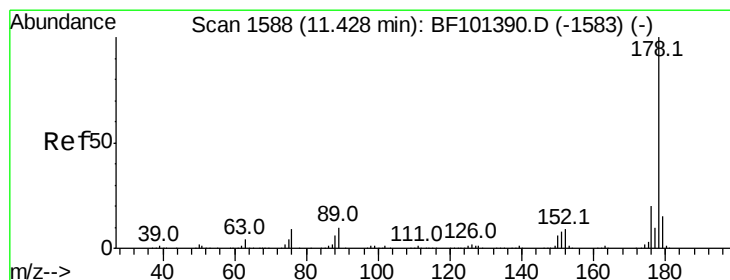
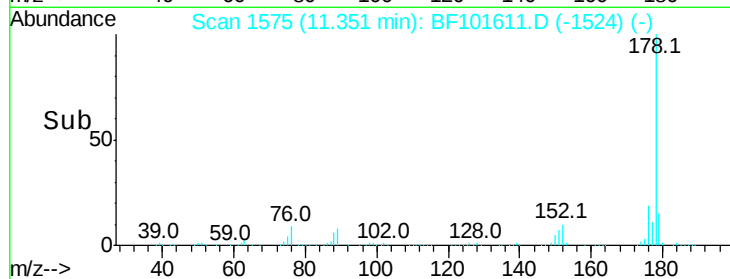
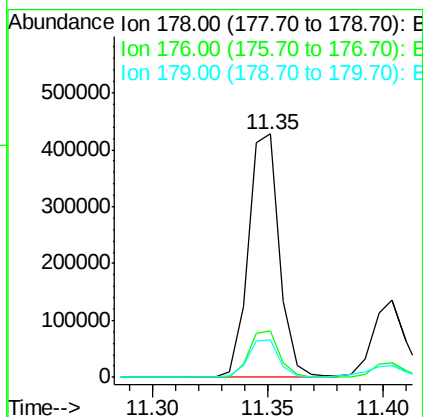
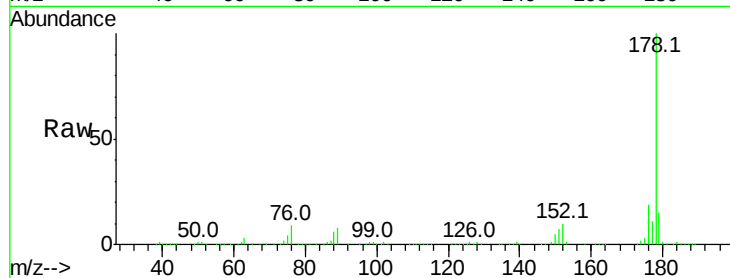
#70
Phenanthrene
Concen: 26.119 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.2	13.0	19.6

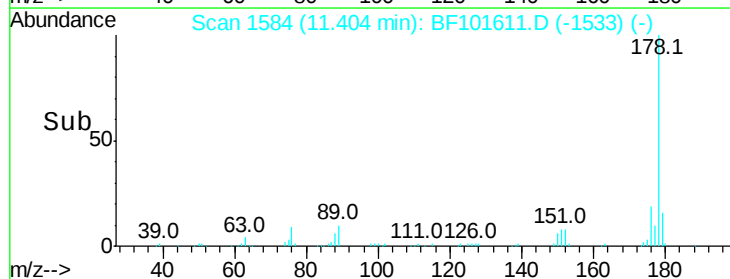
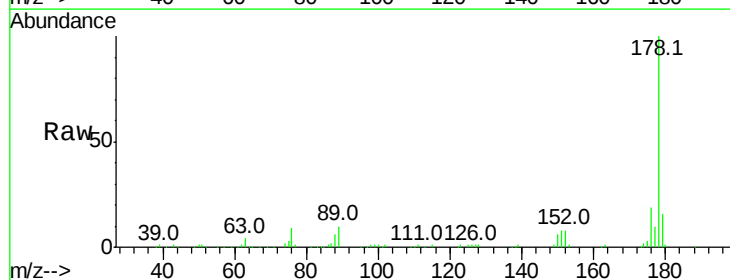
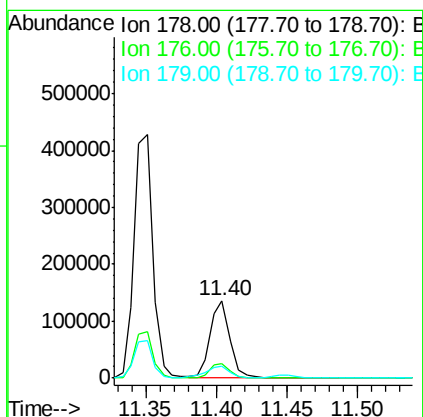
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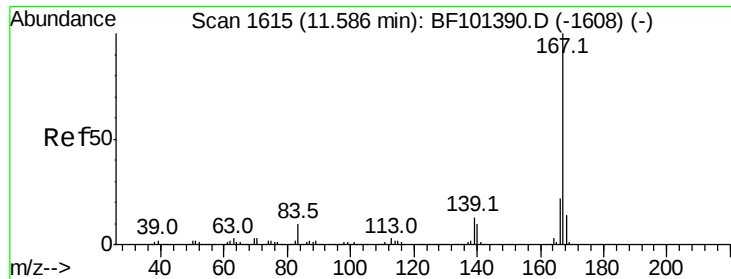
Sohil
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#71
Anthracene
Concen: 8.504 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.2	12.6	19.0





#72

Carbazole

Concen: 4.556 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

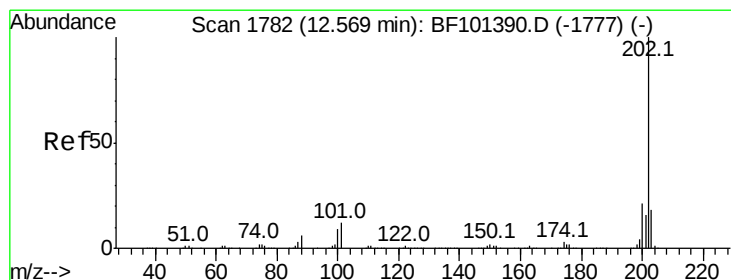
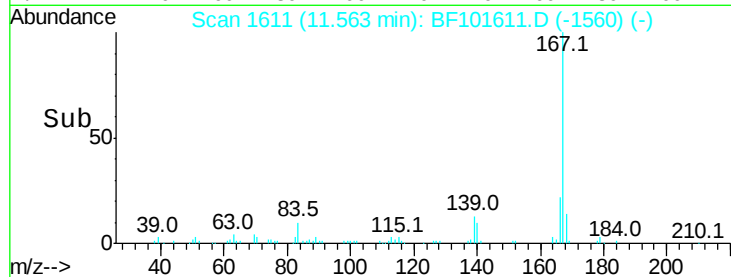
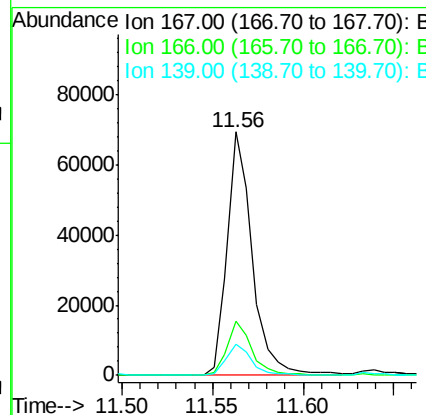
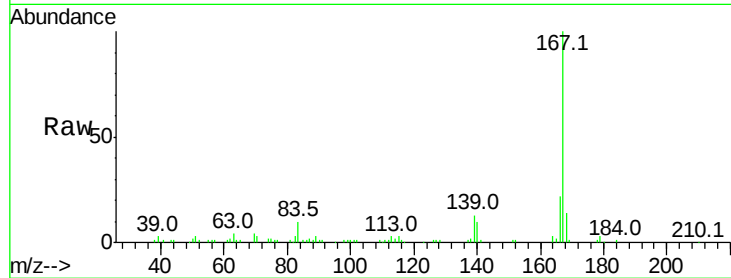
ClientSampleId :

ROLL-OFF-3

Tot Ion:	167	Resp:	67012
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	12.7	10.9	16.3

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#74

Fluoranthene

Concen: 21.071 ng

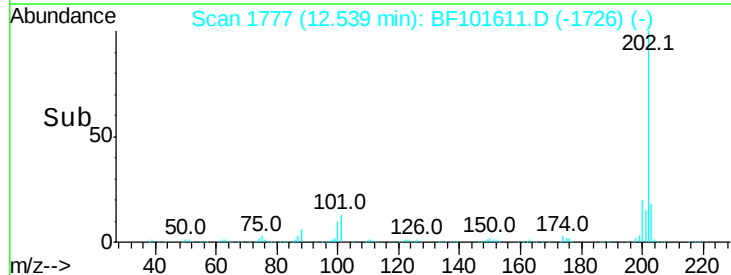
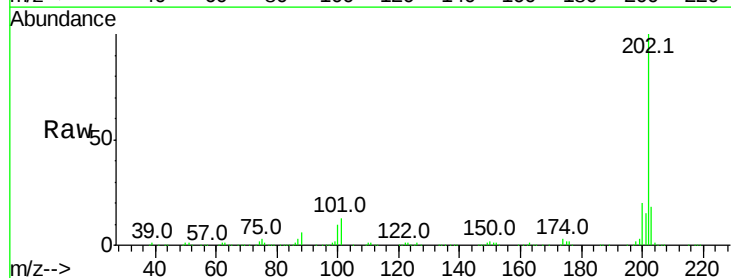
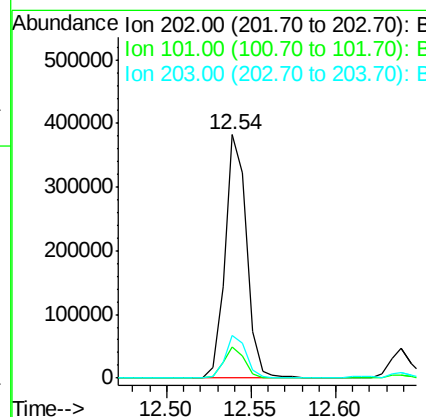
RT: 12.54 min Scan# 1777

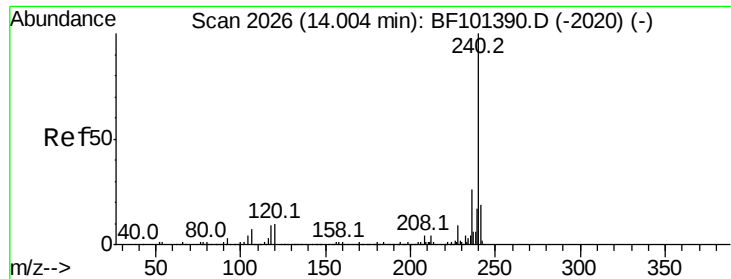
Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Tgt Ion:	202	Resp:	340173
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

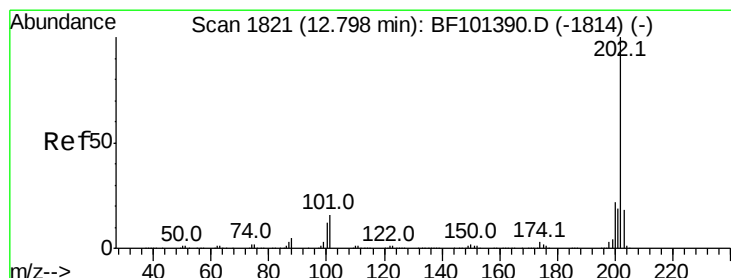
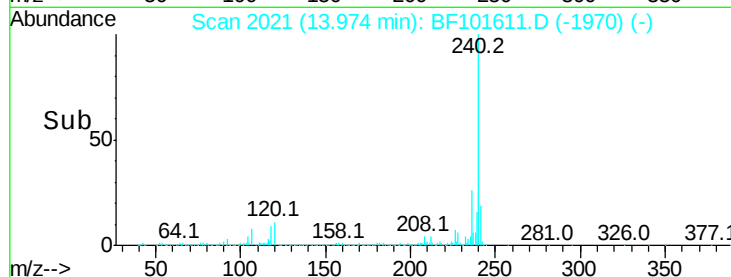
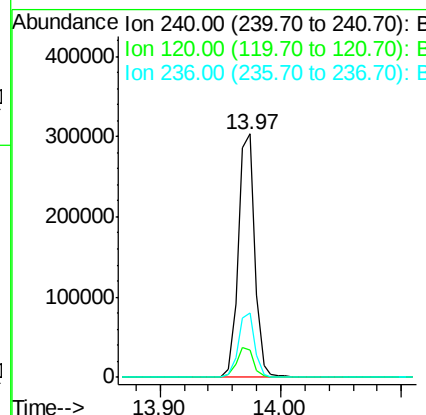
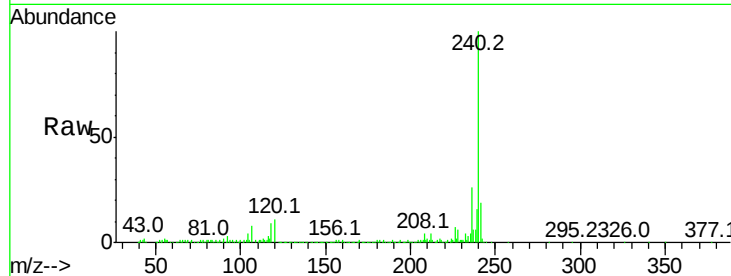
ClientSampleId :

ROLL-OFF-3

Tot Ion:	240	Resp:	291035
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.5	14.3
236	26.2	20.7	31.1

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#77

Pyrene

Concen: 11.652 ng

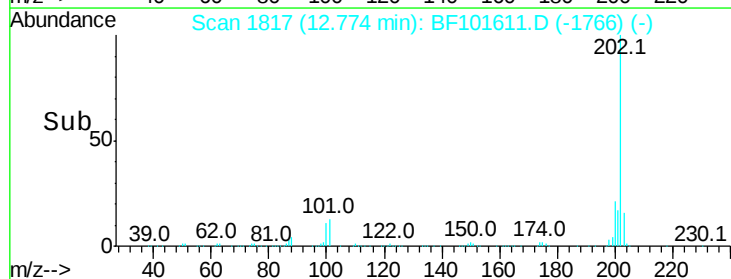
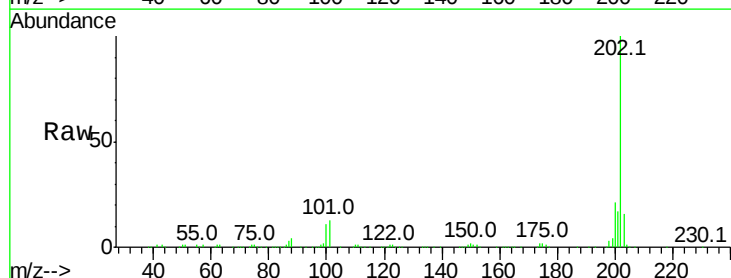
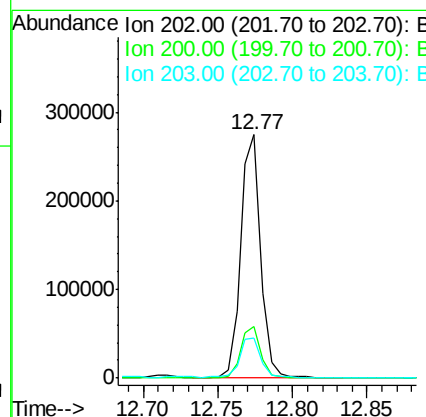
RT: 12.77 min Scan# 1817

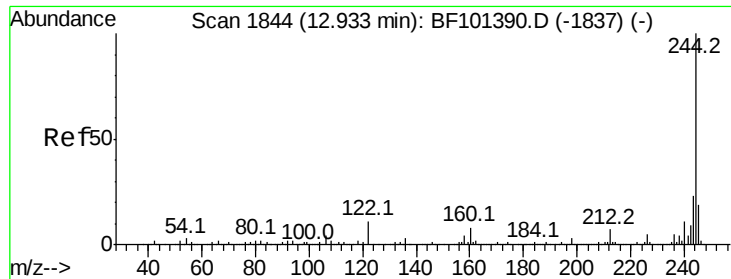
Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Tgt Ion:	202	Resp:	254503
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	16.4	14.3	21.5





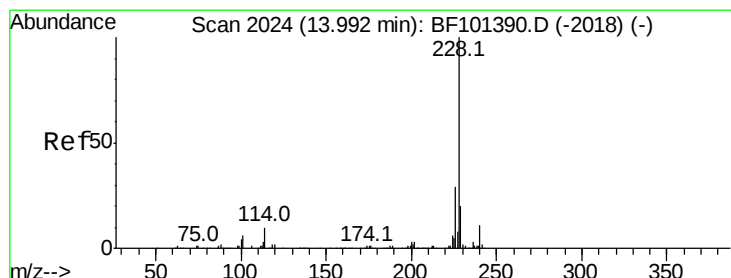
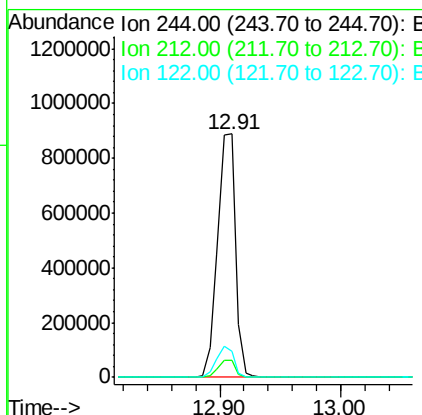
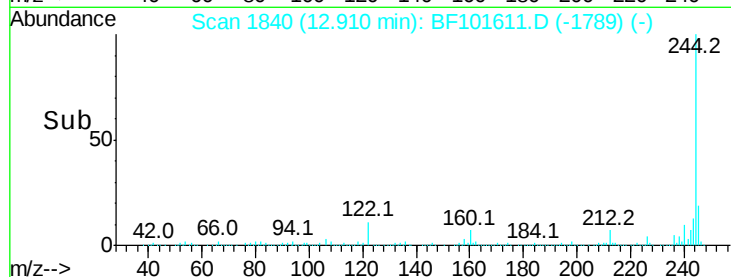
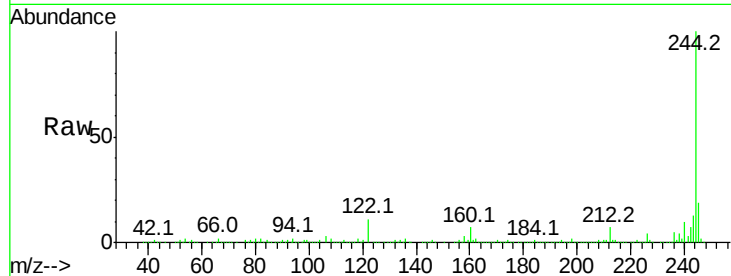
#78
 Terphenyl-d14
 Concen: 74.998 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.6	11.0	16.4

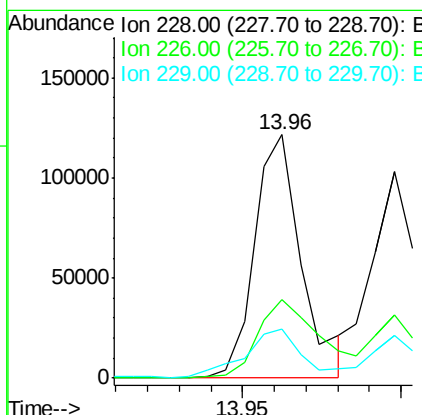
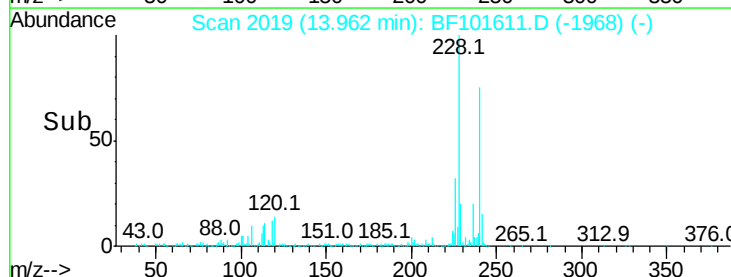
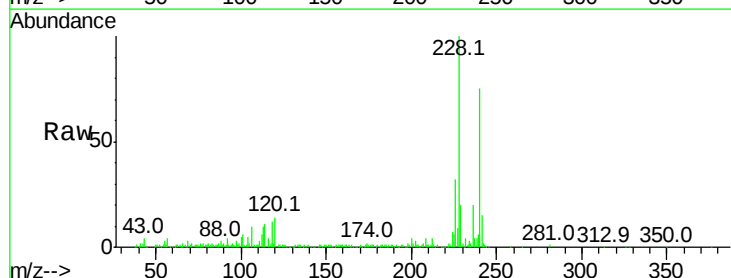
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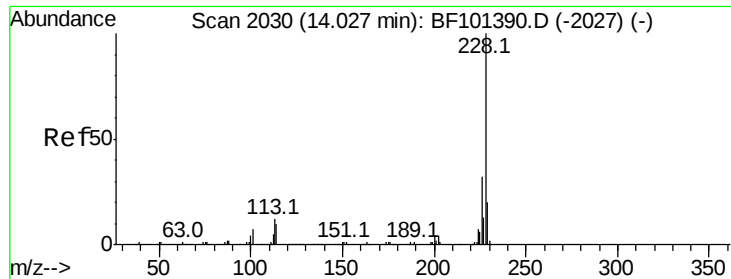
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#80
 Benzo(a)anthracene
 Concen: 6.539 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	22.6	33.8
229	20.3	15.8	23.6





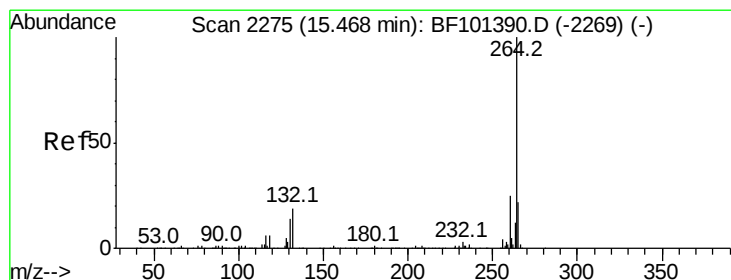
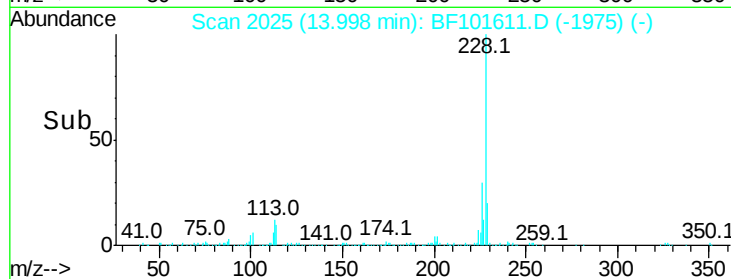
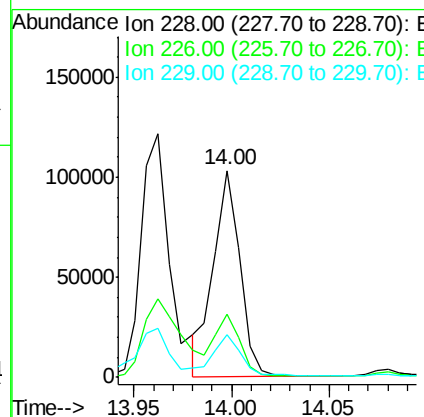
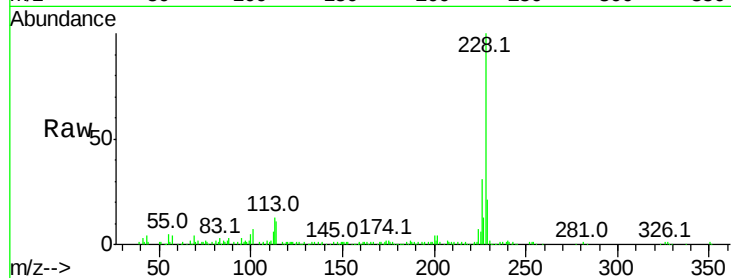
#82
Chrysene
Concen: 5.422 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tot Ion:	228	Resp:	98384
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	20.8	16.2	24.4

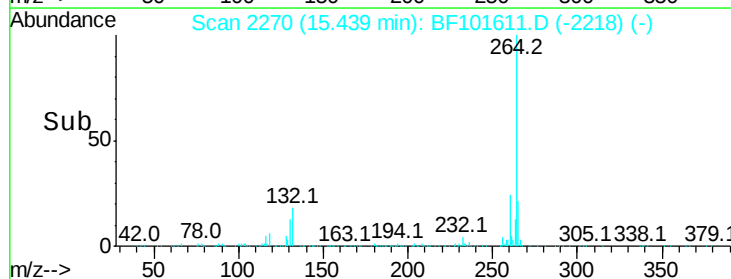
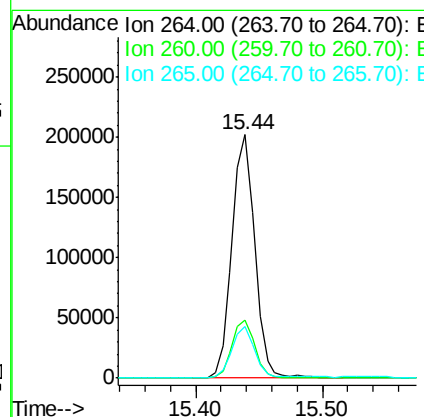
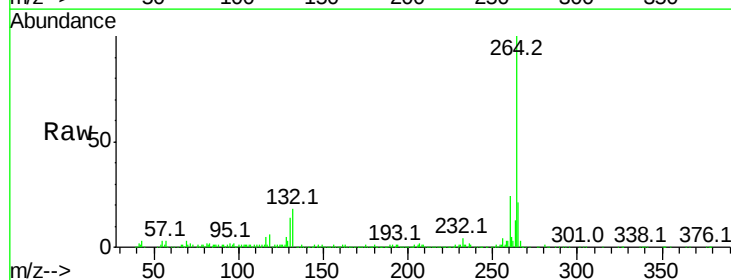
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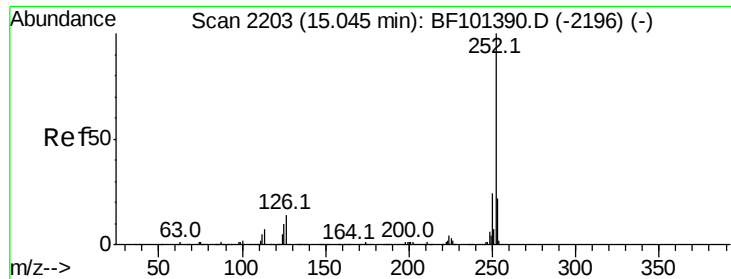
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion:	264	Resp:	252549
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.2	28.8
265	21.1	17.5	26.3





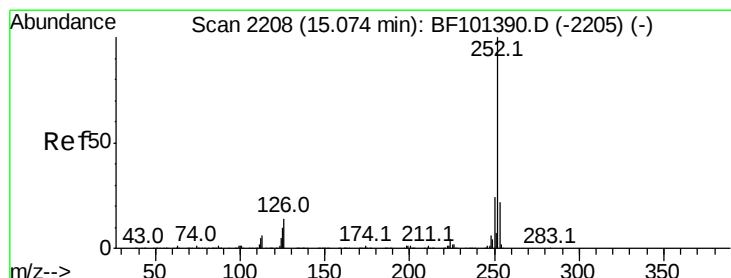
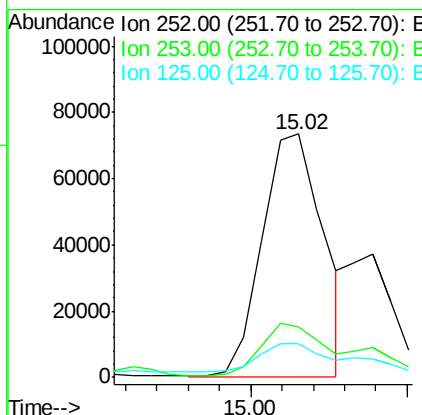
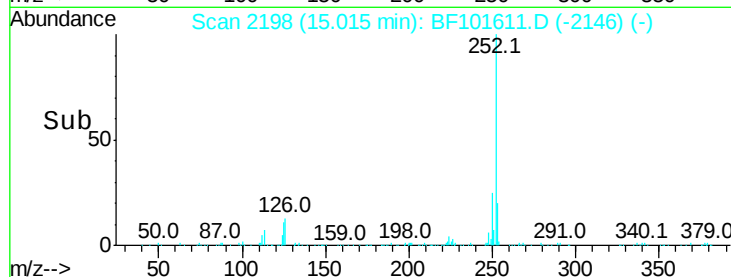
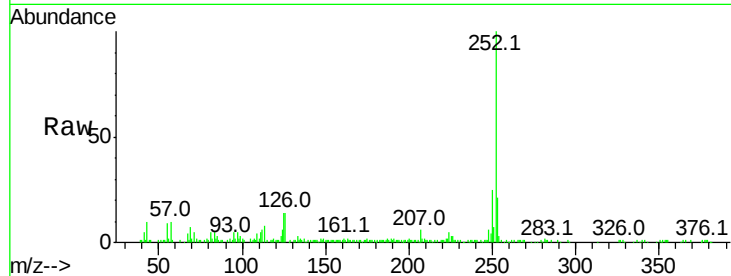
#87
Benzo(b)fluoranthene
Concen: 6.499 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.0	25.6
125	13.6	9.0	13.6

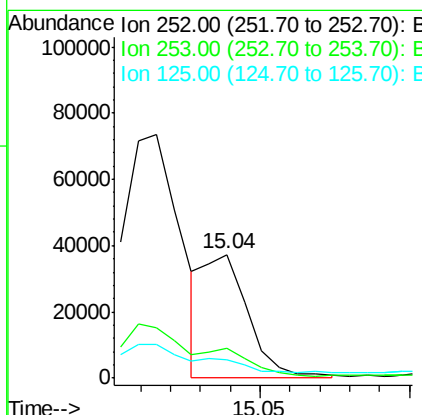
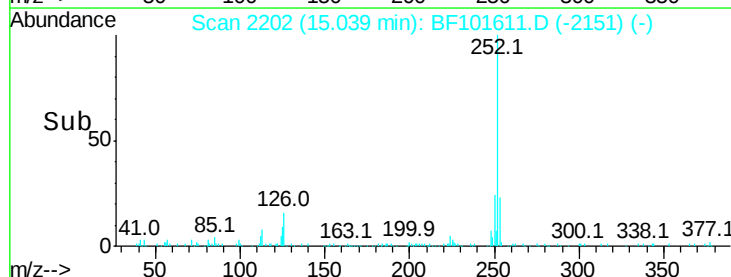
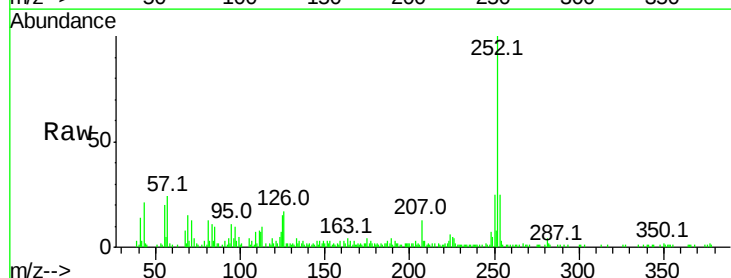
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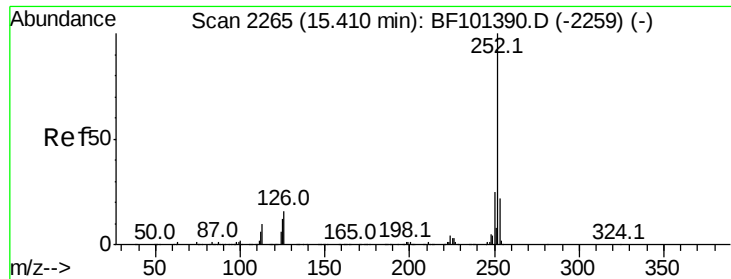
Sohil
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#88
Benzo(k)fluoranthene
Concen: 2.588 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	15.2	10.2	15.2





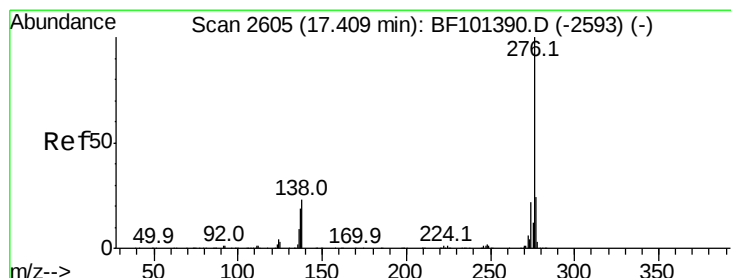
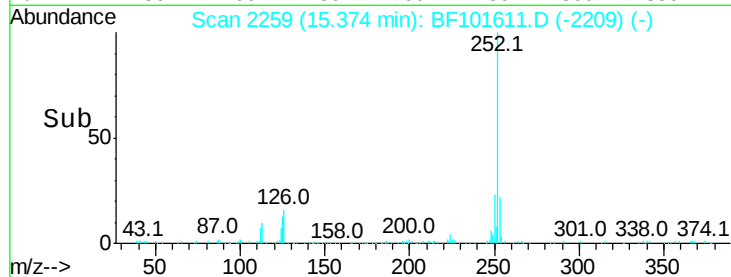
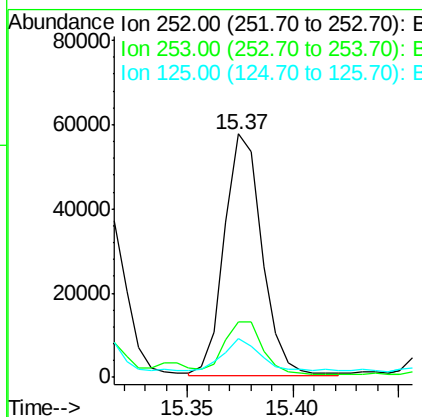
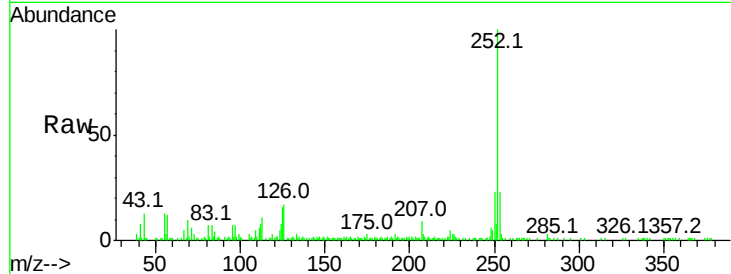
#89
Benzo(a)pyrene
Concen: 5.005 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	15.9	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 2.641 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.02 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	26.2	21.8	32.8

