

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101033.D
 Acq On : 30 Nov 2017 22:25
 Operator : SJ/JU
 Sample : I6300-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

Manual Integrations
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 12/1/2017 11:13:09 AM

Quant Time: Dec 01 03:11:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 30 16:01:41 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	50195	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	175978	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	63401	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	110574	20.00	ng	0.00
75) Chrysene-d12	14.03	240	125818	20.00	ng	0.00
86) Perylene-d12	15.50	264	91580	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	63738	20.98	ng	0.00
7) Phenol-d6	6.48	99	75578	20.49	ng	0.00
23) Nitrobenzene-d5	7.41	82	41955	14.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.68	330	13054	17.14	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	84504	18.24	ng	0.00
78) Terphenyl-d14	12.96	244	72045	12.52	ng	0.00
Target Compounds						
51) Acenaphthene	9.92	154	11391	2.806	ng	93
57) Fluorene	10.44	166	15462	3.251	ng	99
70) Phenanthrene	11.40	178	143208	23.518	ng	98
71) Anthracene	11.46	178	35995	5.841	ng	97
74) Fluoranthene	12.60	202	236630	35.057	ng	94
77) Pyrene	12.83	202	221627	25.528	ng	99
80) Benzo(a)anthracene	14.02	228	116405	14.653	ng	99
82) Chrysene	14.05	228	108054m	14.646	ng	
85) Indeno(1,2,3-cd)pyrene	16.98	276	29082	4.434	ng	90
87) Benzo(b)fluoranthene	15.07	252	98783m	18.008	ng	
88) Benzo(k)fluoranthene	15.09	252	30208m	5.590	ng	
89) Benzo(a)pyrene	15.43	252	66207	13.276	ng	97
91) Benzo(a,h,i)perylene	17.43	276	30214	7.292	ng	# 90

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

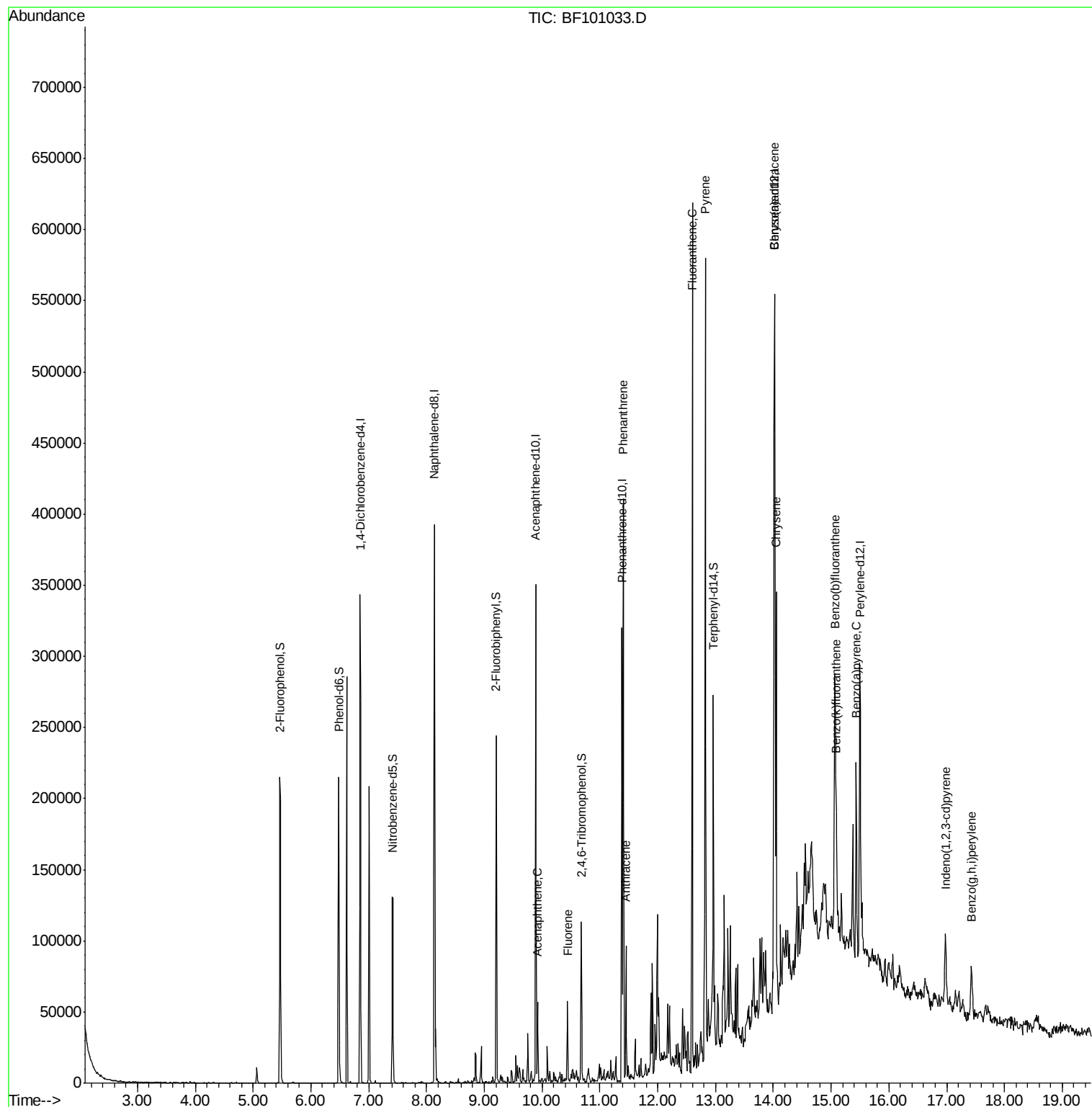
Data Path : Z:\HPCHEM1\BNA F\DATA\BF113017\
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ALS Vial : 14 Sample Multiplier: 1

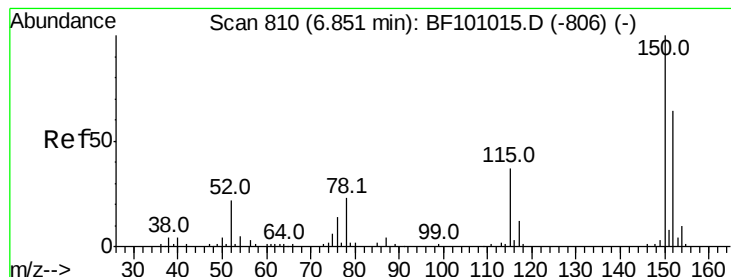
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

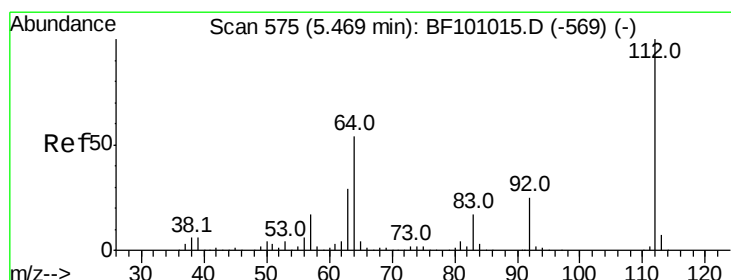
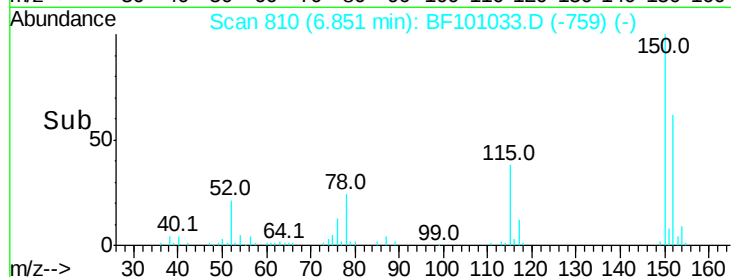
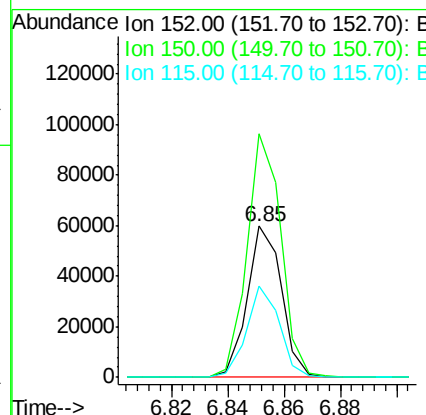
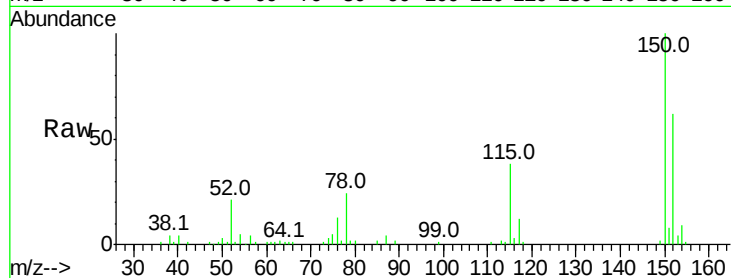
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	124.6	186.8
115	60.4	50.1	75.1

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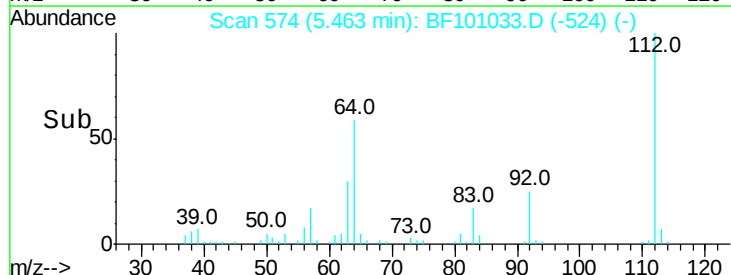
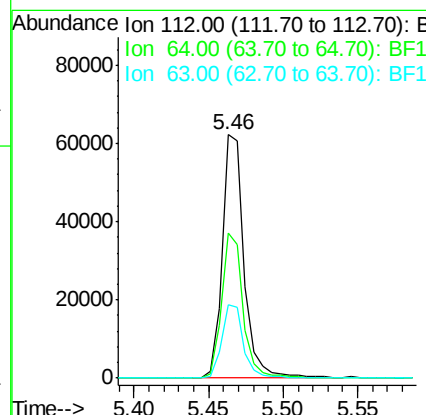
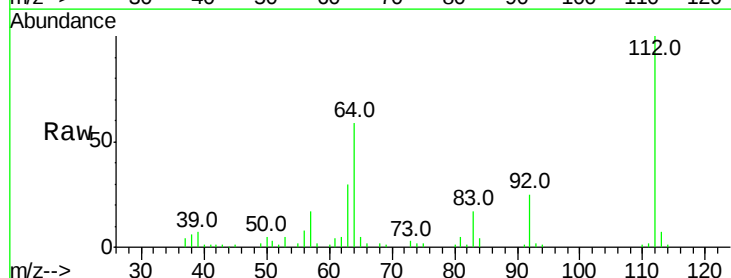
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#5

2-Fluorophenol
Concen: 20.983 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 20.493 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

ClientSampleId :

OR-02-112917

Tot Ion: 99 Resp: 75578

Ion Ratio Lower Upper

99 100

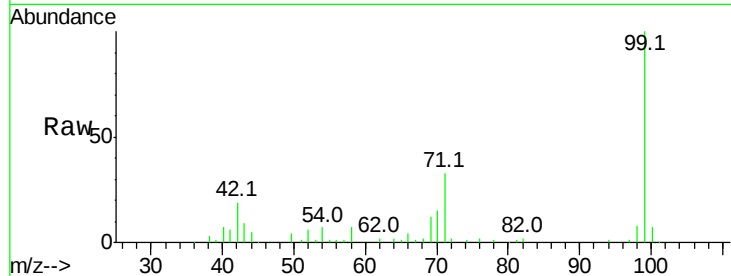
42 18.9 14.5 21.7

71 33.1 25.4 38.0

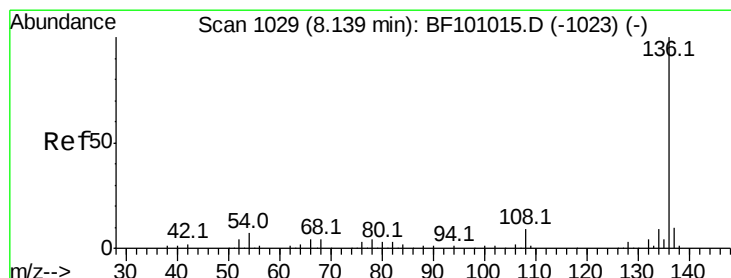
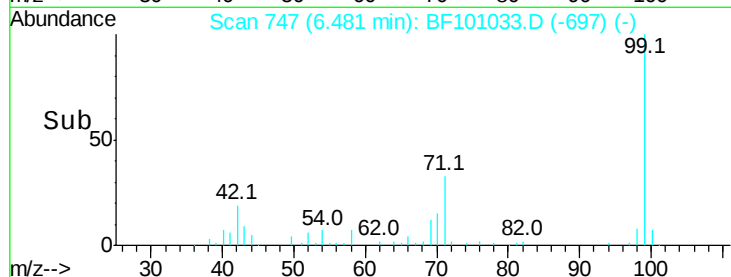
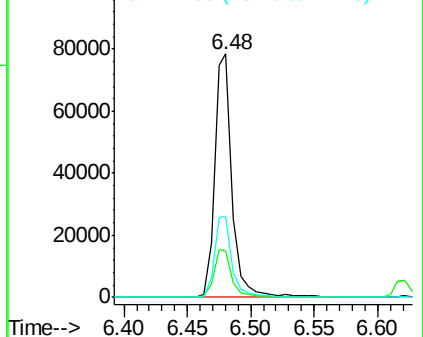
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Tgt Ion: 136 Resp: 175978

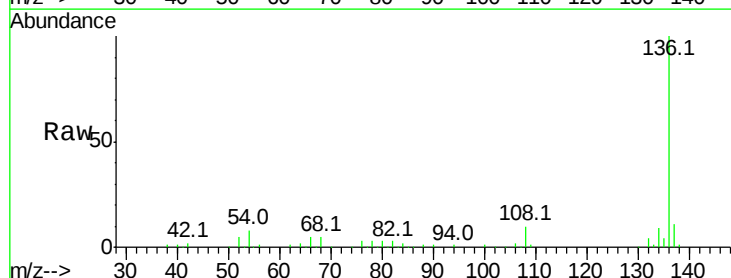
Ion Ratio Lower Upper

136 100

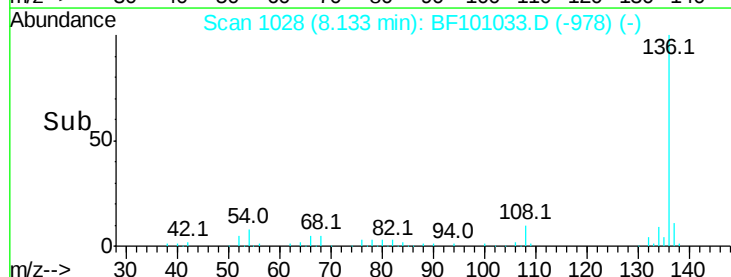
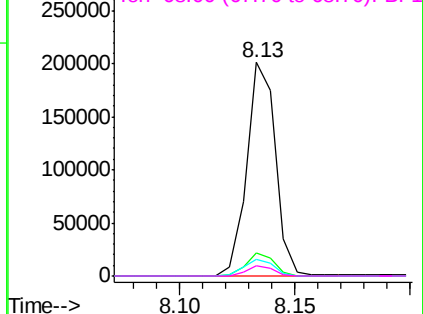
137 10.9 8.9 13.3

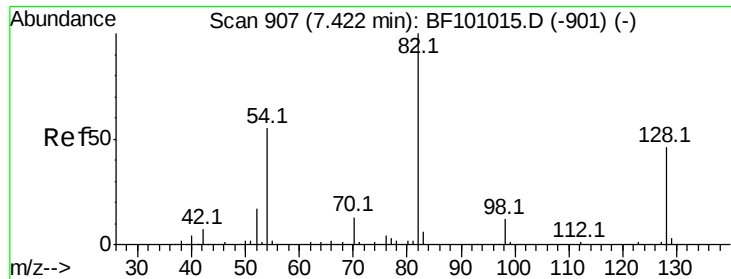
54 7.9 6.6 9.8

68 4.8 5.0 7.4#



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





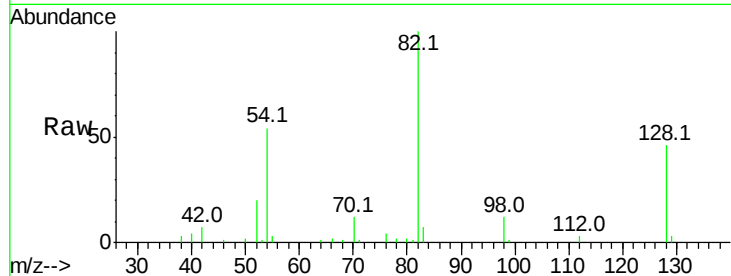
#23
Nitrobenzene-d5
Concen: 14.222 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

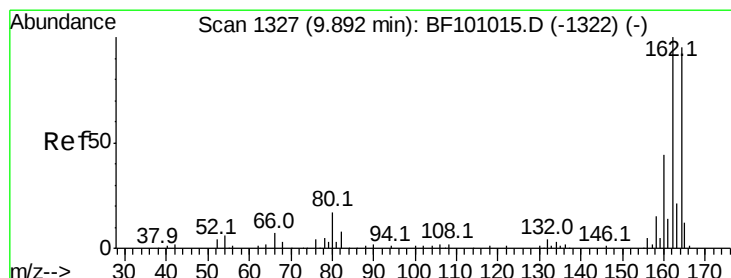
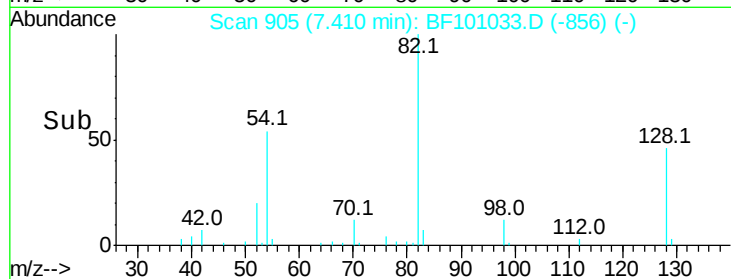
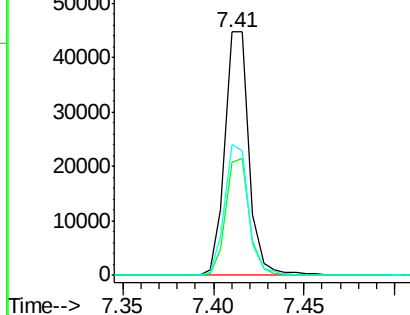
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	54.0	41.4	62.2

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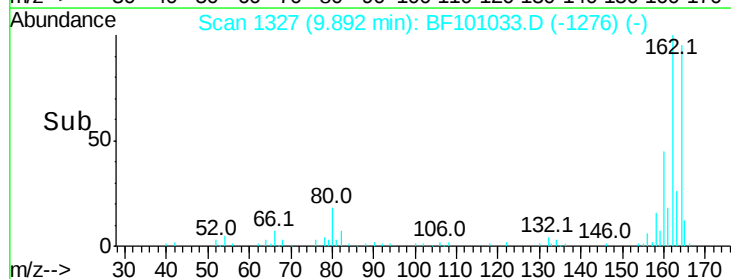
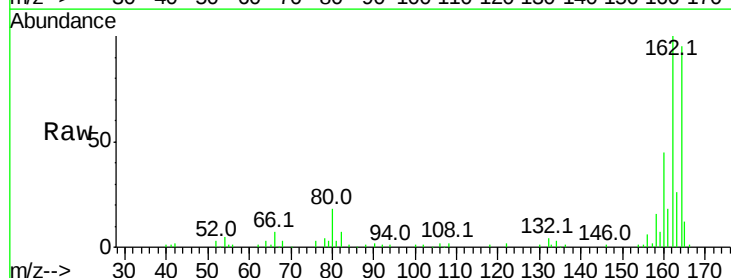
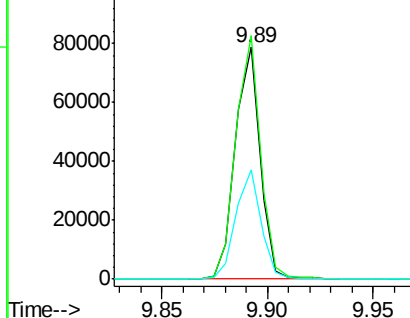
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

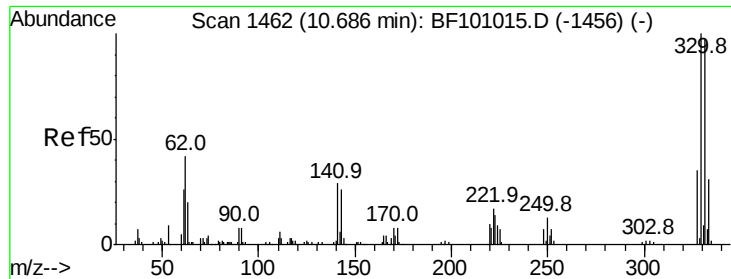


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	46.9	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





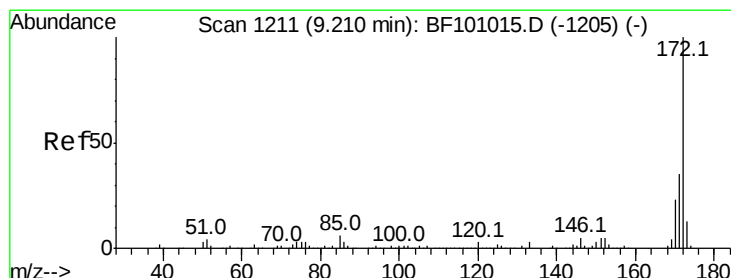
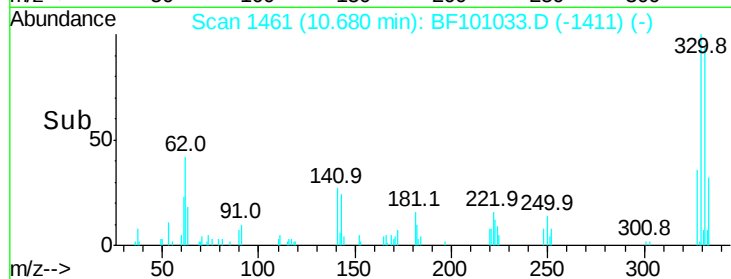
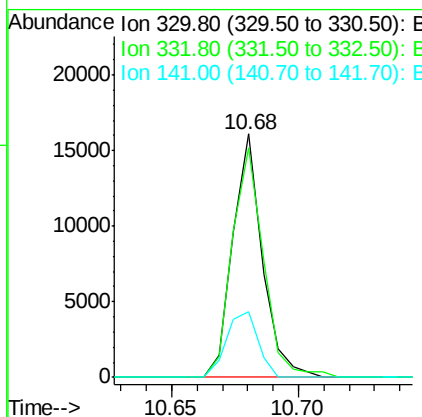
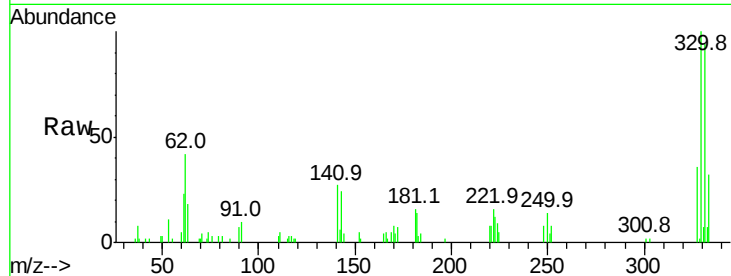
#41
 2,4,6-Tribromophenol
 Concen: 17.140 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.3	77.0	115.6
141	28.8	29.9	44.9#

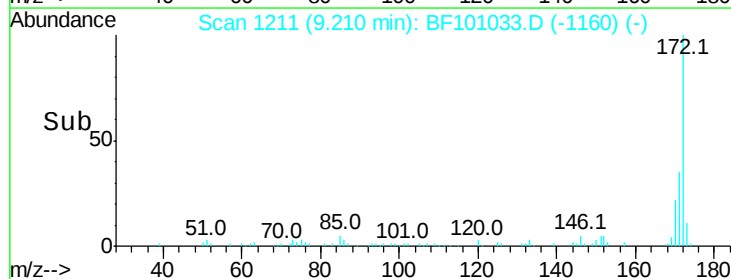
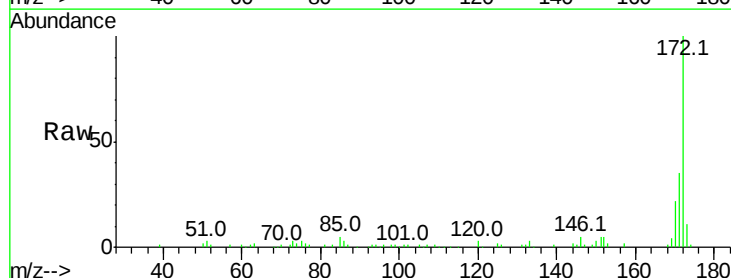
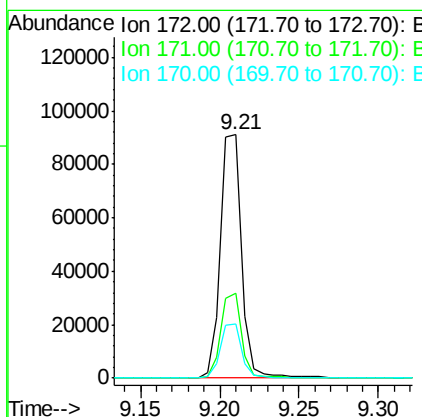
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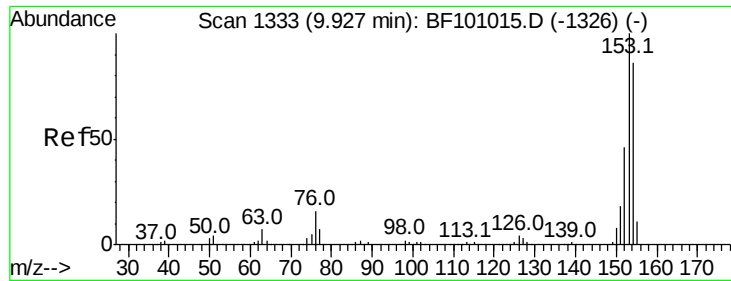
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#44
 2-Fluorobiphenyl
 Concen: 18.236 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.2	19.6	29.4





#51

Acenaphthene

Concen: 2.806 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

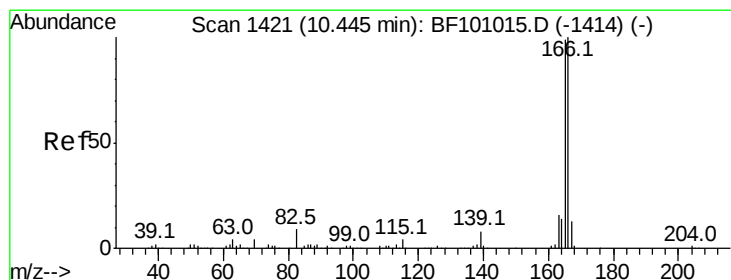
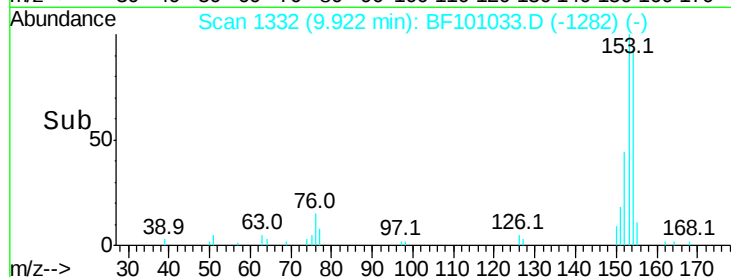
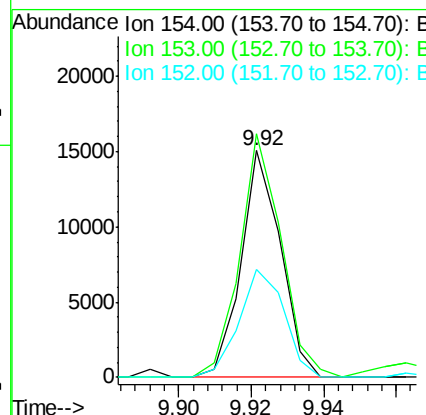
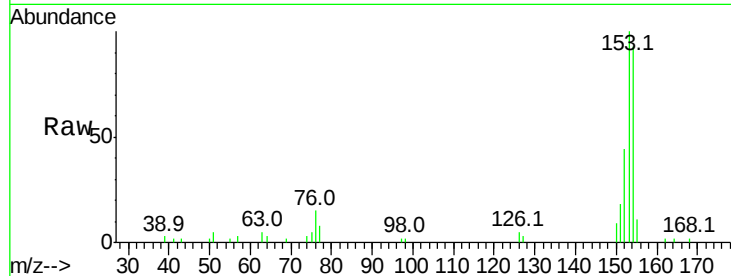
ClientSampleId :

OR-02-112917

Tot Ion:	154	Resp:	11391
Ion Ratio	Lower	Upper	
154	100		
153	107.5	91.2	136.8
152	47.8	43.8	65.8

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#57

Fluorene

Concen: 3.251 ng

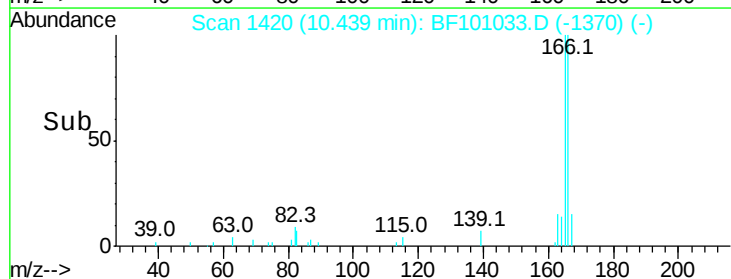
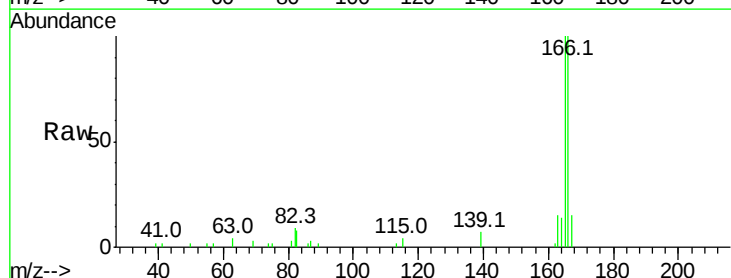
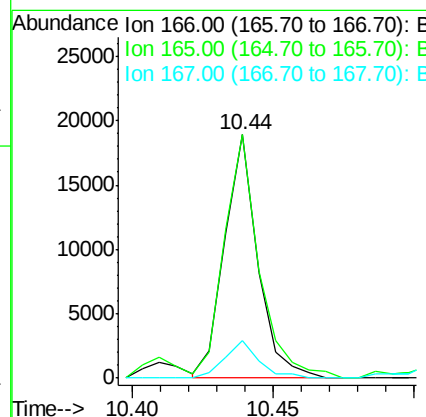
RT: 10.44 min Scan# 1420

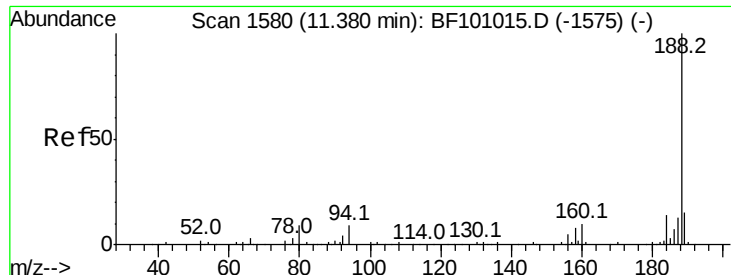
Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Tgt Ion:	166	Resp:	15462
Ion Ratio	Lower	Upper	
166	100		
165	100.1	79.8	119.8
167	15.4	10.6	16.0





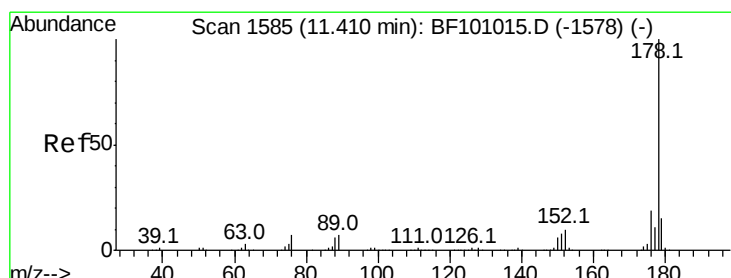
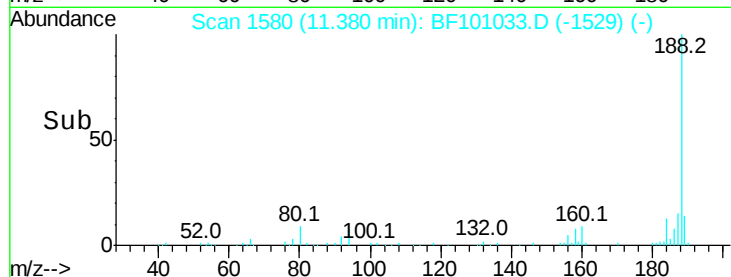
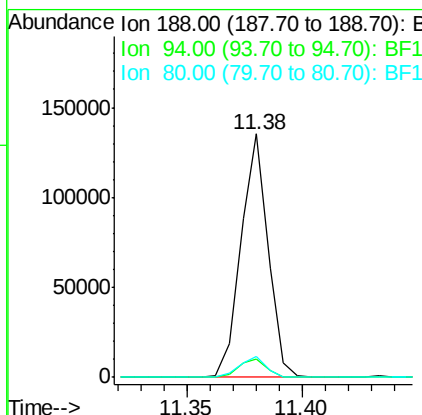
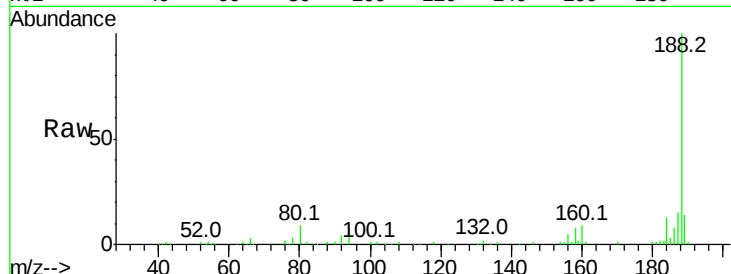
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Instrument :
 BNA_F
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 OR-02-112917

Tot Ion	Ratio	Resp	Lower	Upper
188	100	110574		
94	7.7	8.5	12.7#	
80	8.5	9.2	13.8#	

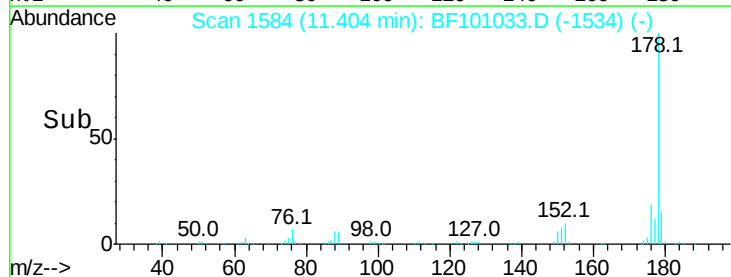
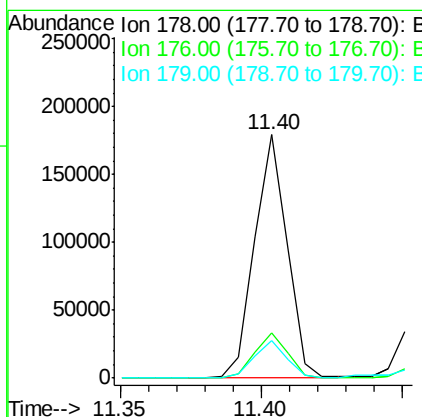
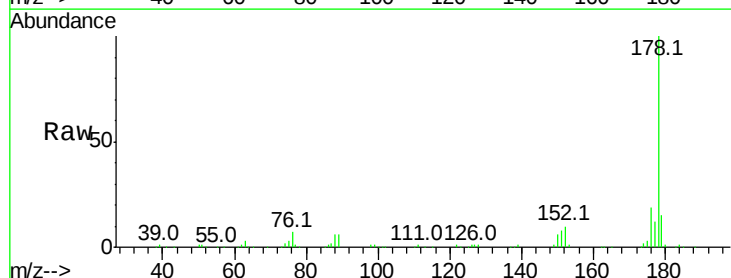
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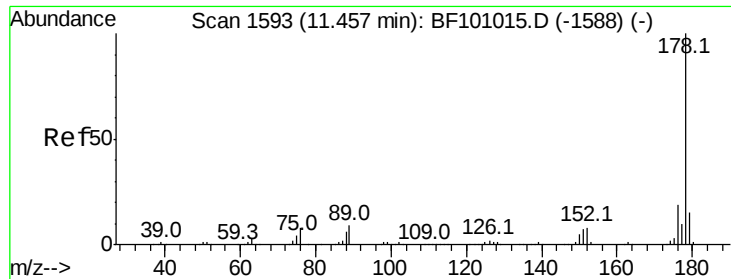
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#70
 Phenanthrene
 Concen: 23.518 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	143208		
176	18.7	15.8	23.8	
179	15.2	13.0	19.6	





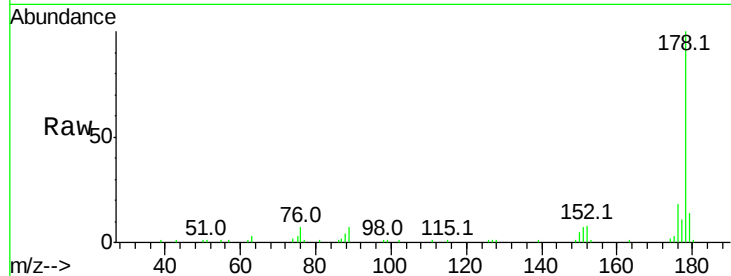
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 Anthracene
 Concen: 5.841 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.00 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

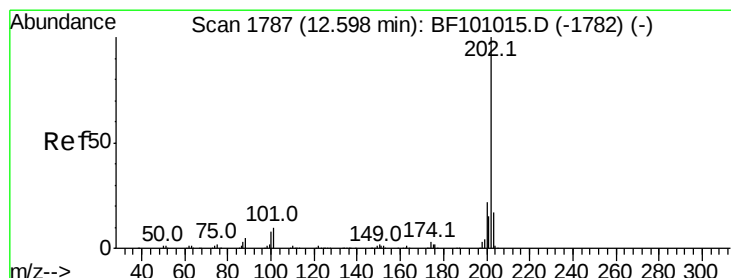
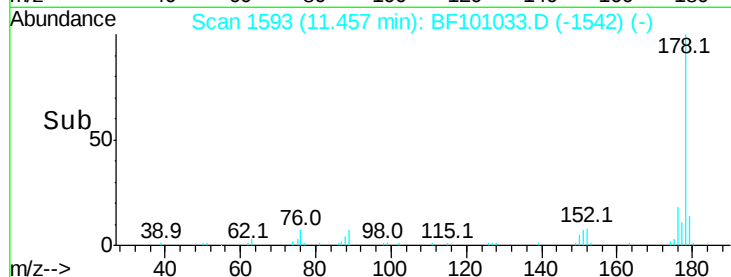
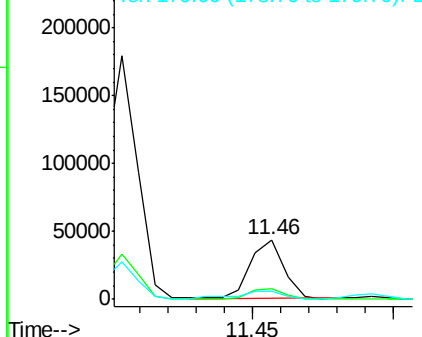
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.0	12.6	19.0

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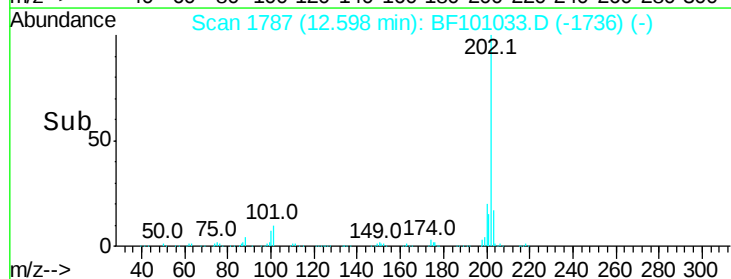
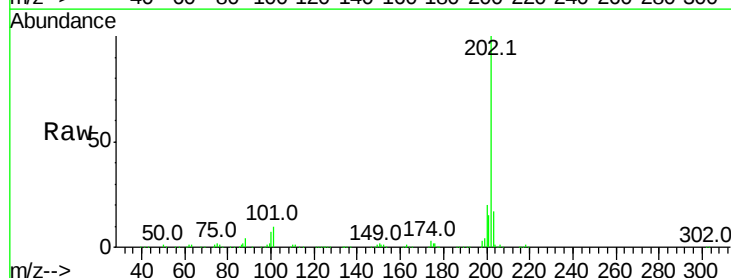
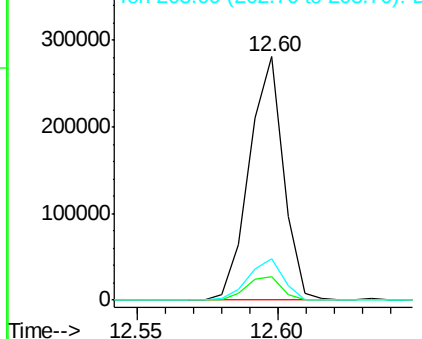
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

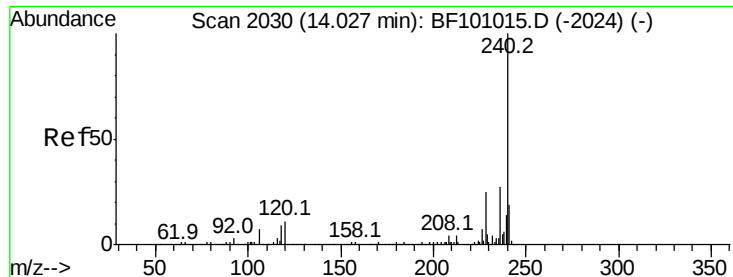


#74
 Fluoranthene
 Concen: 35.057 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.1
203	17.2	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

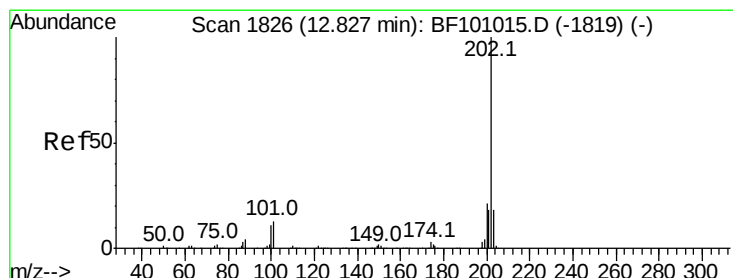
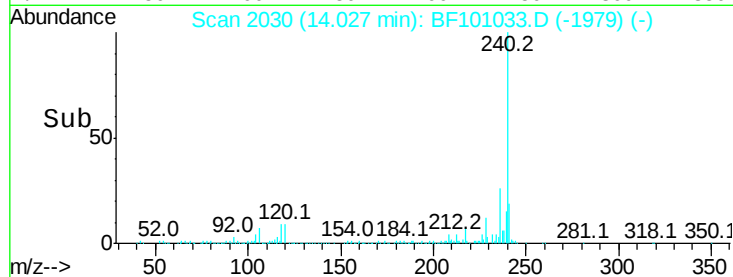
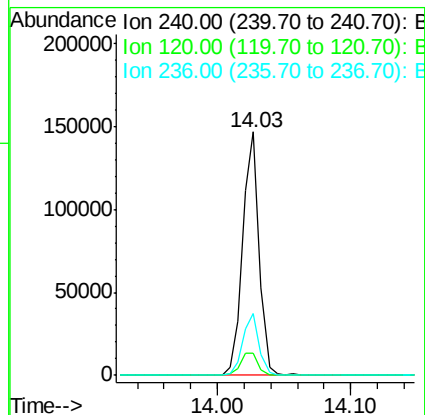
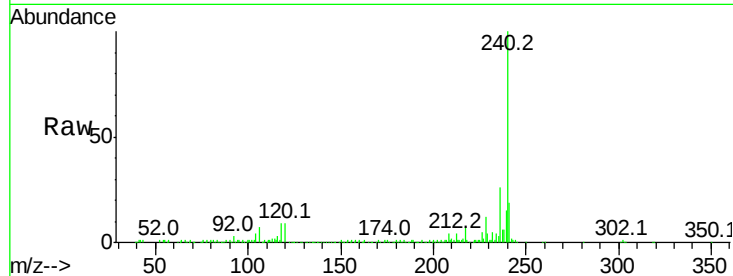
ClientSampleId :

OR-02-112917

Tot Ion:	240	Resp:	125818
Ion Ratio	Lower	Upper	
240	100		
120	9.3	9.5	14.3#
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 25.528 ng

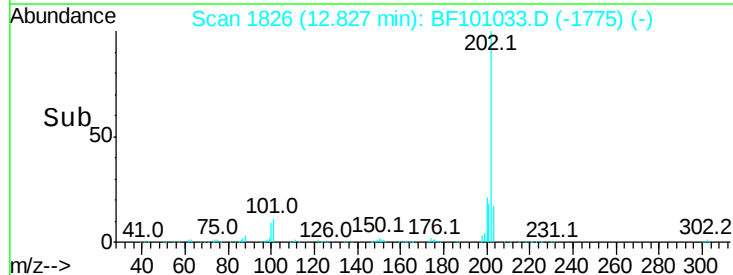
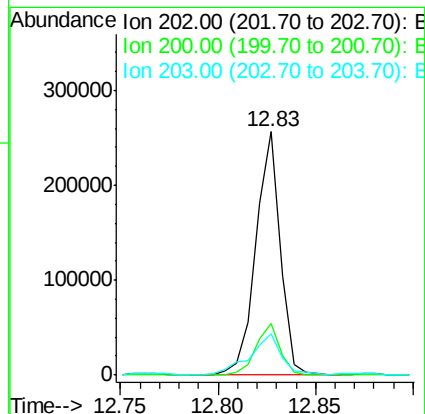
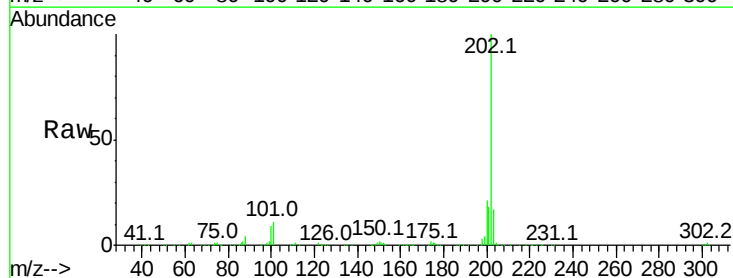
RT: 12.83 min Scan# 1826

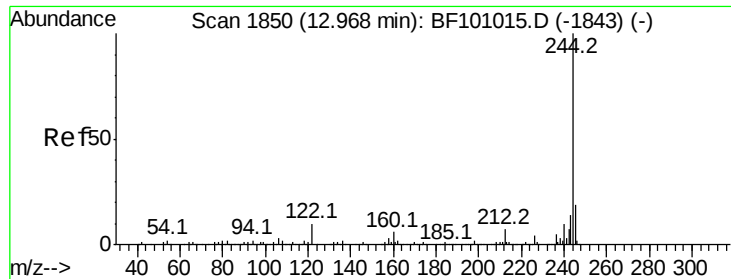
Delta R.T. -0.00 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Tgt Ion:	202	Resp:	221627
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.2	14.3	21.5





#78

Terphenyl-d14

Concen: 12.525 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Instrument :

BNA_F

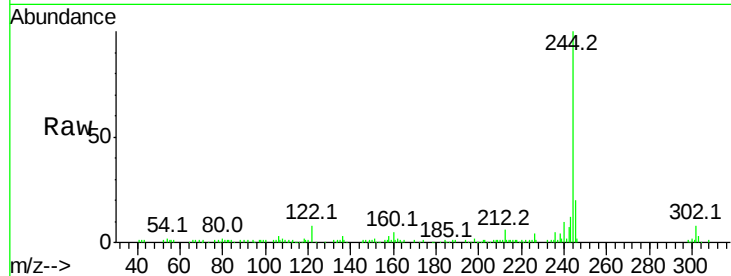
ClientSampleId :

OR-02-112917

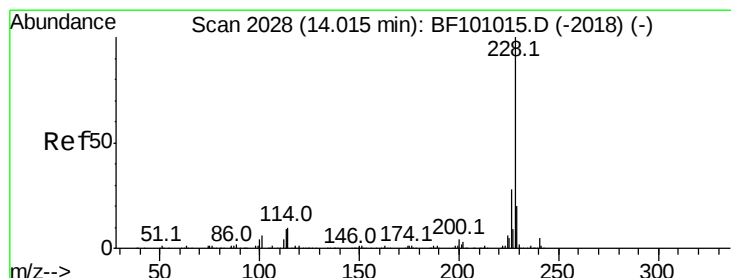
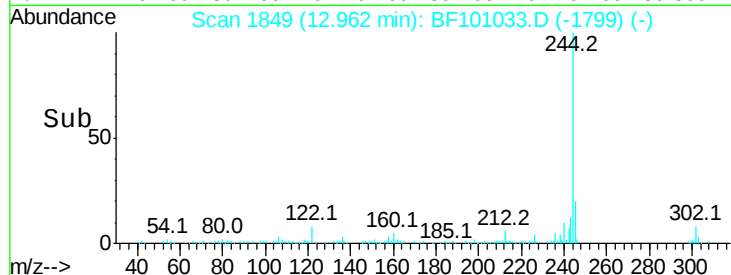
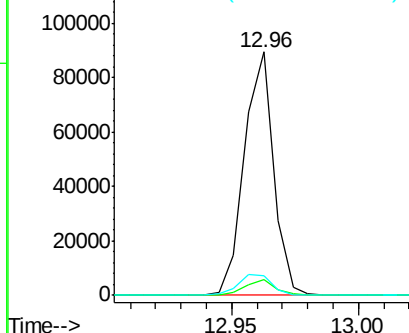
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	8.2	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 14.653 ng

RT: 14.02 min Scan# 2028

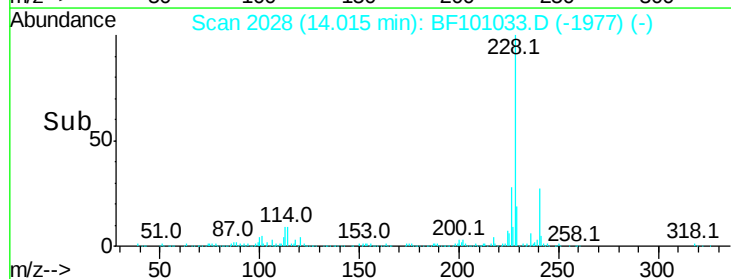
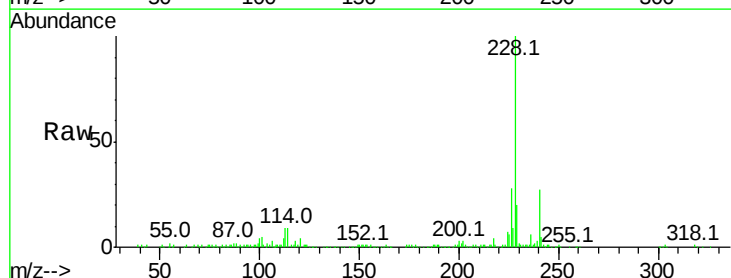
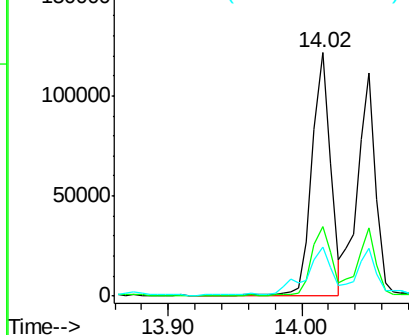
Delta R.T. -0.00 min

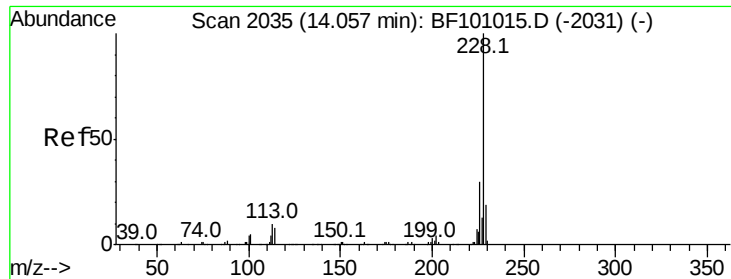
Lab File: BF101033.D

Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.1	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





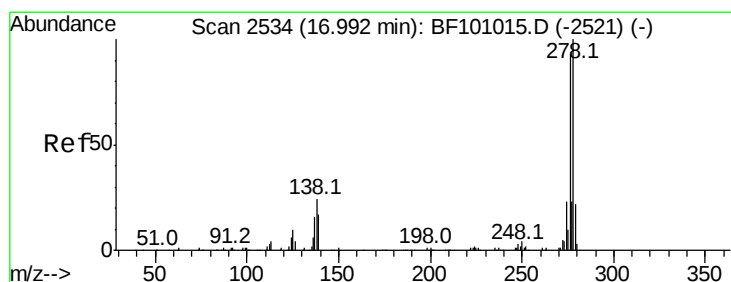
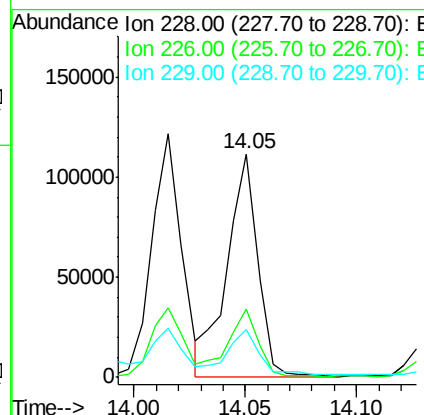
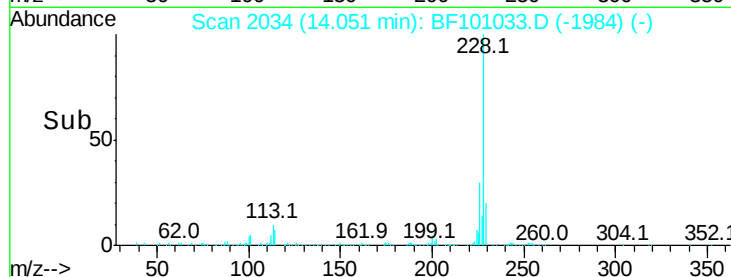
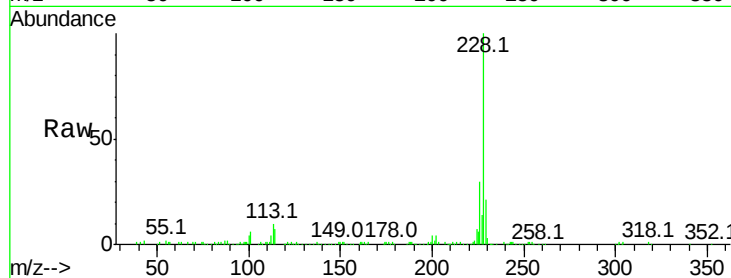
#82
Chrysene
Concen: 14.646 ng m
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

Tot Ion:	228	Resp:	108054
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	21.1	16.2	24.4

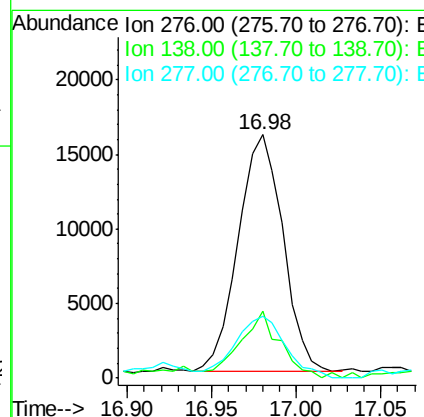
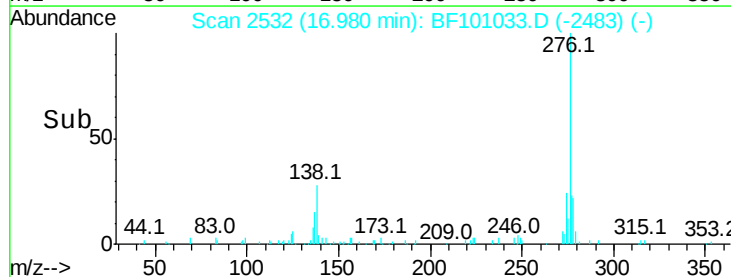
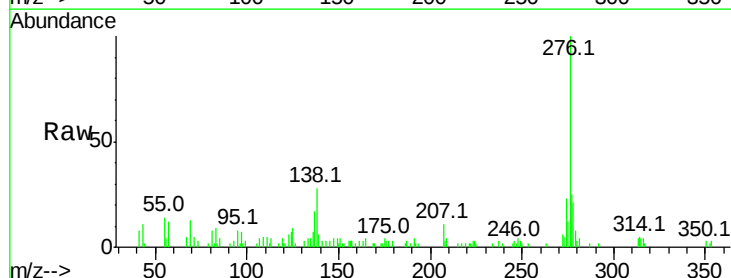
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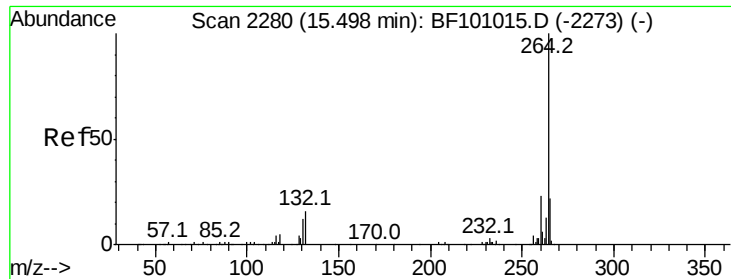
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.434 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion:	276	Resp:	29082
Ion Ratio	Lower	Upper	
276	100		
138	25.6	25.0	37.6
277	29.7	20.1	30.1





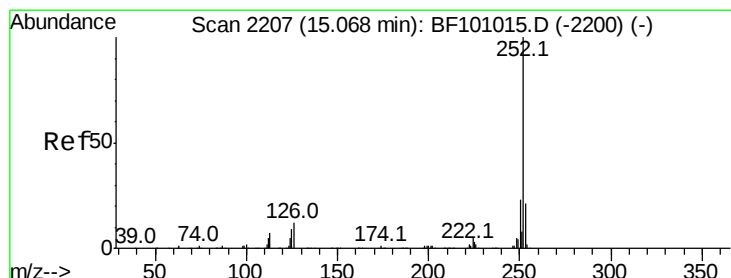
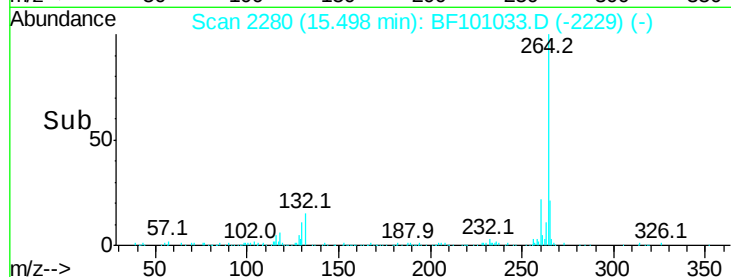
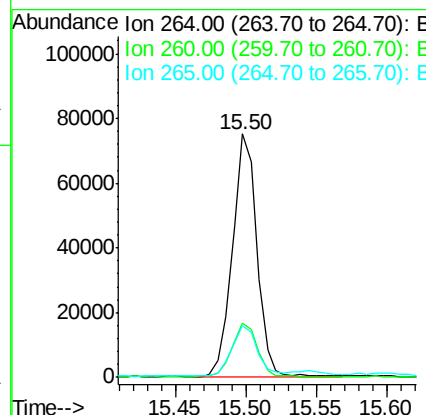
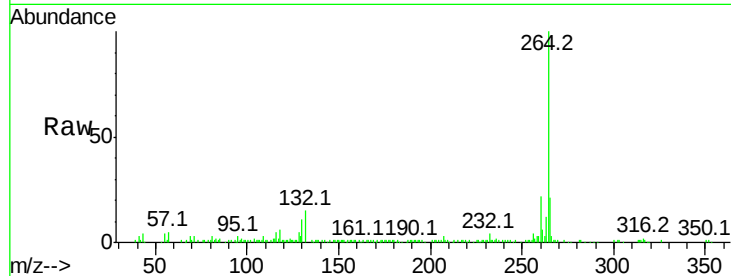
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	21.4	17.5	26.3

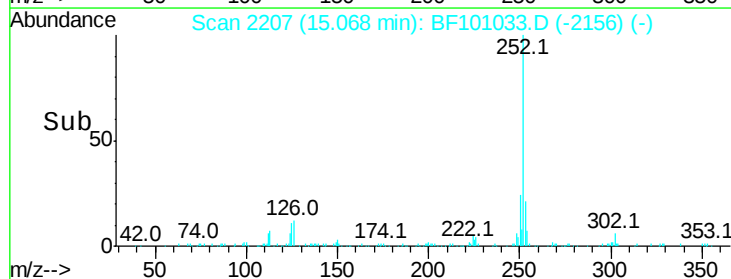
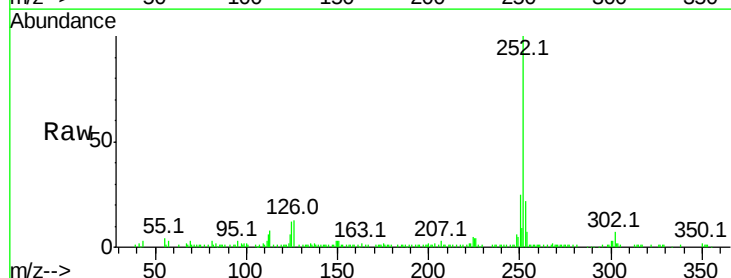
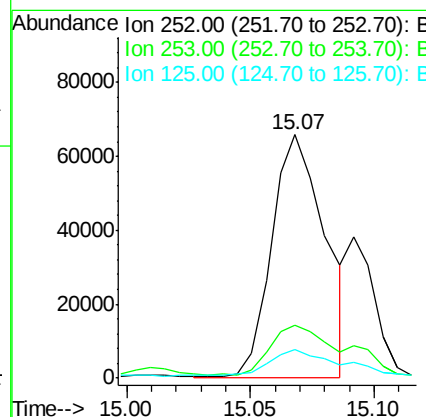
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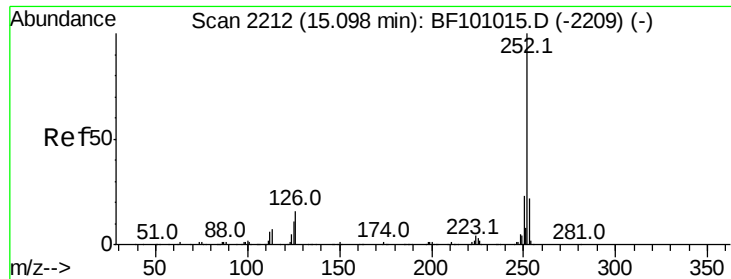
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#87
Benzo(b)fluoranthene
Concen: 18.008 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	11.6	9.0	13.6





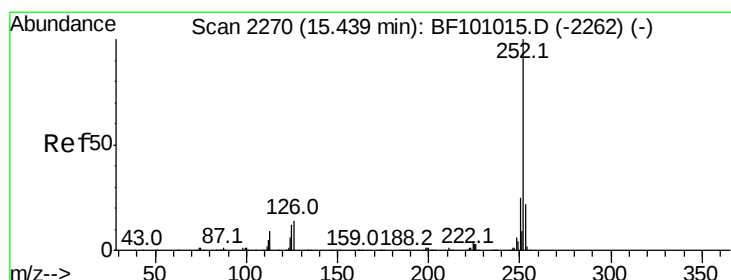
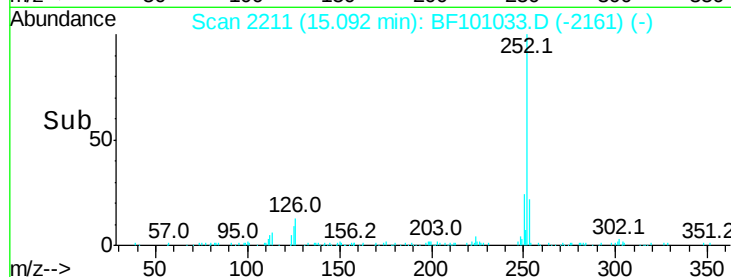
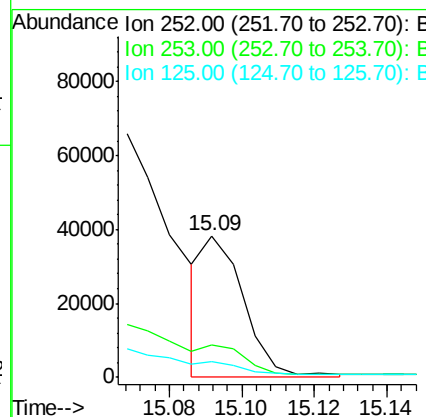
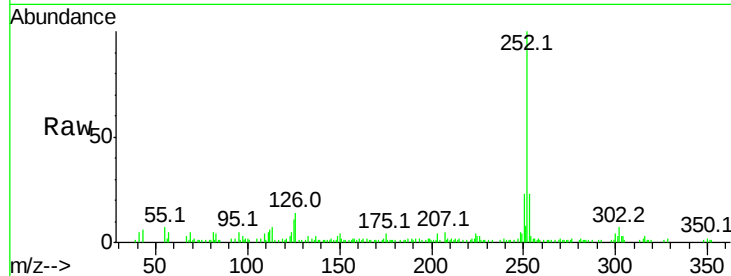
#88
Benzo(k)fluoranthene
Concen: 5.590 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-02-112917

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	10.9	10.2	15.2

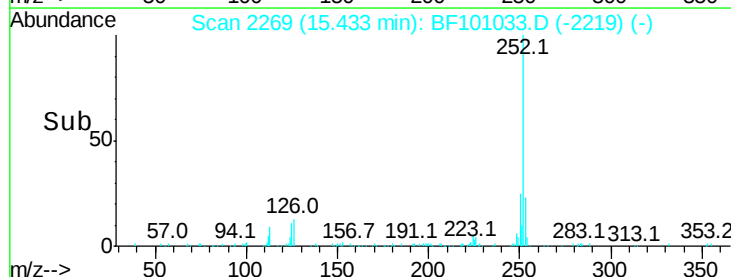
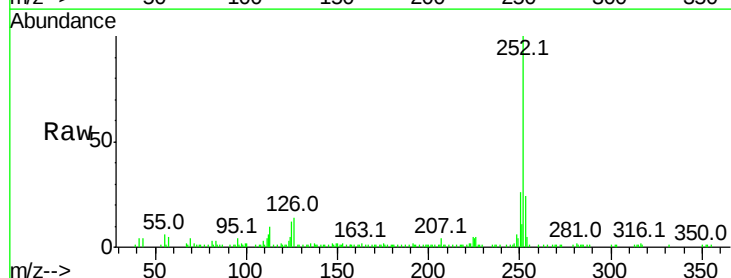
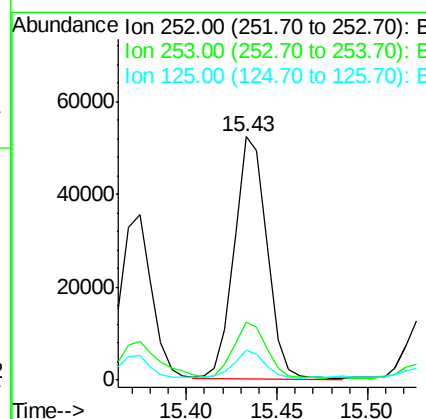
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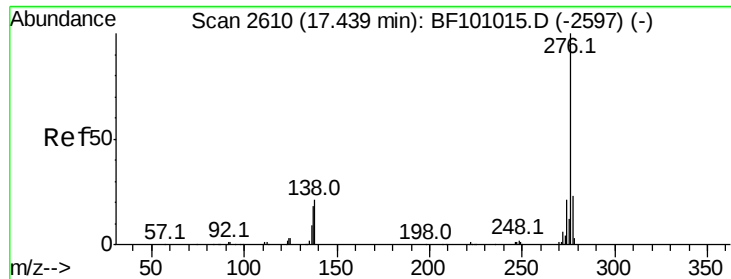
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#89
Benzo(a)pyrene
Concen: 13.276 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101033.D
Acq: 30 Nov 2017 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	12.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 7.292 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.01 min
 Lab File: BF101033.D
 Acq: 30 Nov 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-112917

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	18.5	21.8	32.8

Manual Integrations
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