

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101793.D
 Acq On : 28 Dec 2017 8:41
 Operator : SJ/JU
 Sample : I7069-10DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

Manual Integrations
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 12/28/2017 2:03:33 PM

Quant Time: Dec 28 10:31:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	114824	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	418703	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	164623	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	275039	20.00	ng	0.00
75) Chrysene-d12	13.98	240	253369	20.00	ng	0.01
86) Perylene-d12	15.46	264	224607	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	175235	22.73	ng	0.02
7) Phenol-d6	6.45	99	222502	23.19	ng	0.02
23) Nitrobenzene-d5	7.37	82	120159	15.97	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	35639	22.47	ng	0.01
44) 2-Fluorobiphenyl	9.15	172	221212	20.84	ng	0.00
78) Terphenyl-d14	12.90	244	183818	17.49	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.86	154	60120	5.671	ng	97
54) Dibenzofuran	10.04	168	61284	4.549	ng	# 97
57) Fluorene	10.38	166	90819	7.969	ng	97
70) Phenanthrene	11.35	178	675964	44.194	ng	99
71) Anthracene	11.40	178	199061	12.741	ng	99
72) Carbazole	11.57	167	88726	6.066	ng	98
74) Fluoranthene	12.54	202	753496	46.933	ng	98
77) Pyrene	12.77	202	641035	33.712	ng	100
80) Benzo(a)anthracene	13.97	228	377847	22.585	ng	96
82) Chrysene	14.01	228	348020	22.031	ng	96
85) Indeno(1,2,3-cd)pyrene	16.95	276	102020m	7.253	ng	
87) Benzo(b)fluoranthene	15.03	252	303101m	22.140	ng	
88) Benzo(k)fluoranthene	15.06	252	119956m	9.012	ng	
89) Benzo(a)pyrene	15.40	252	206624	16.372	ng	96
90) Dibenzo(a,h)anthracene	16.94	278	29736	2.744	ng	# 74
91) Benzo(g,h,i)perylene	17.40	276	93866	8.748	ng	94

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

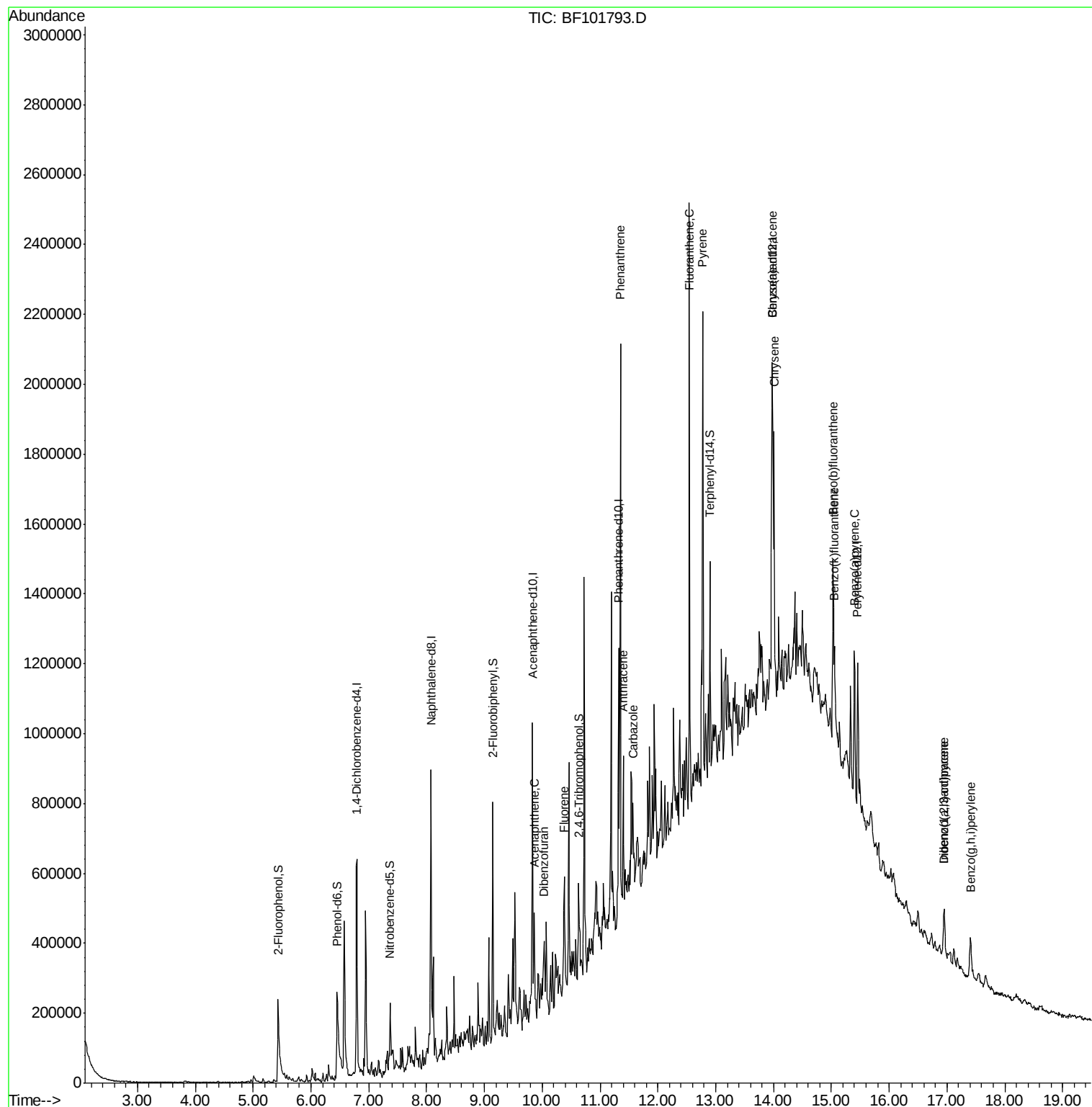
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
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ALS Vial : 32 Sample Multiplier: 1

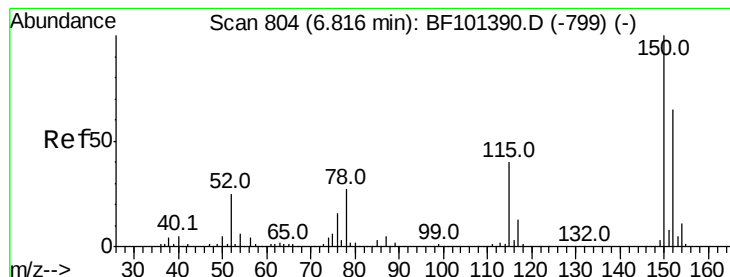
Instrument :
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#1

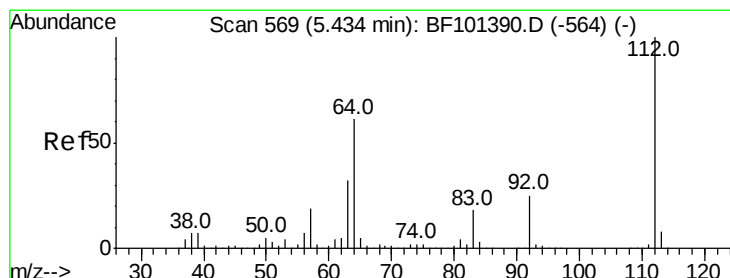
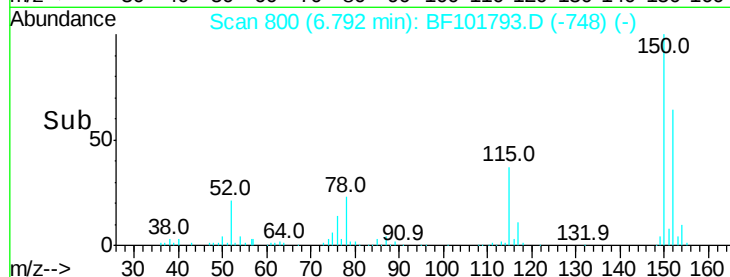
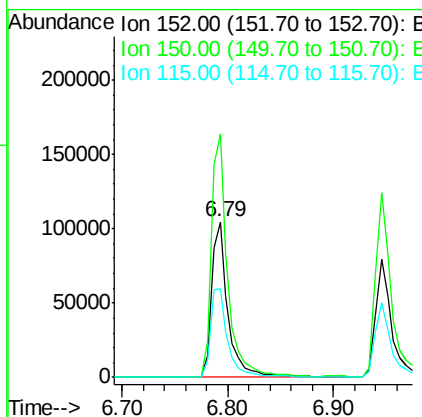
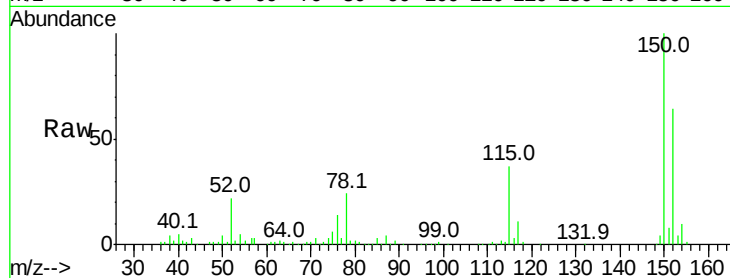
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	57.3	50.1	75.1

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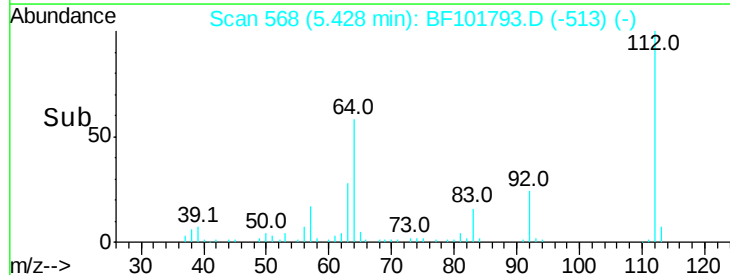
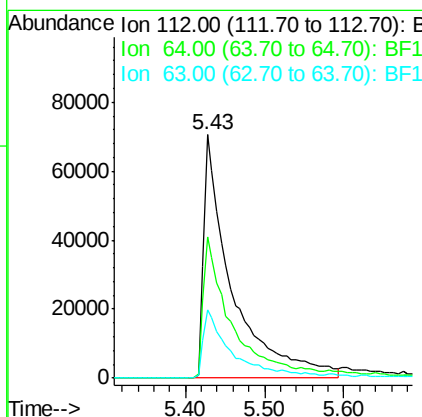
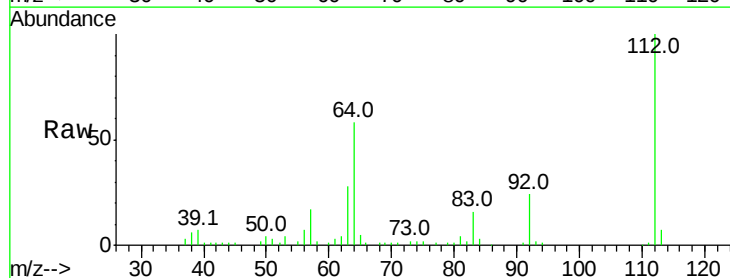
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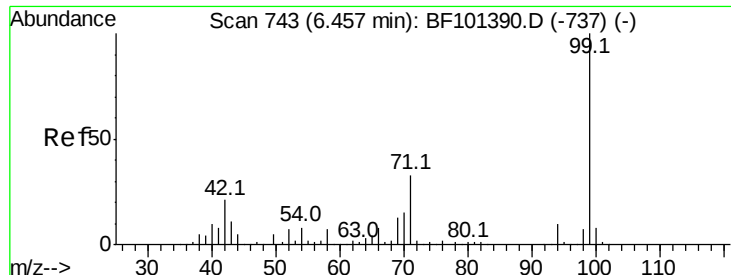


#5

2-Fluorophenol
Concen: 22.733 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 23.193 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.02 min

Lab File: BF101793.D

Acq: 28 Dec 2017 8:41

Instrument :

BNA_F

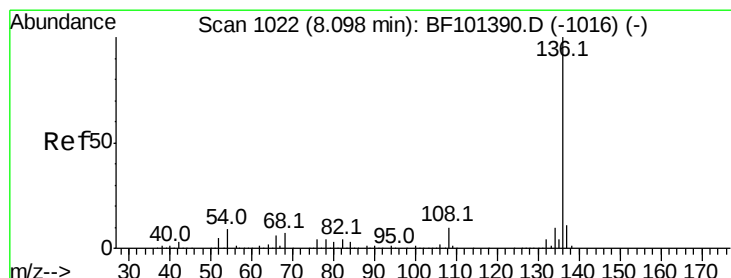
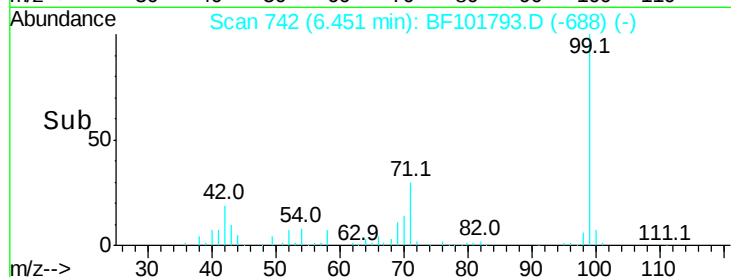
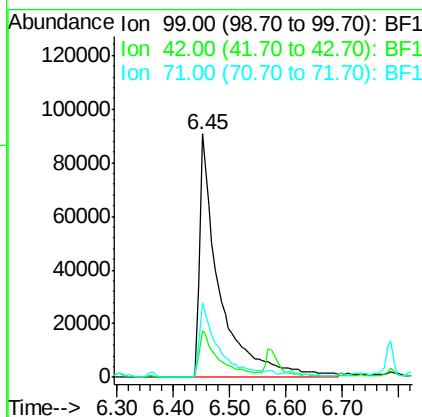
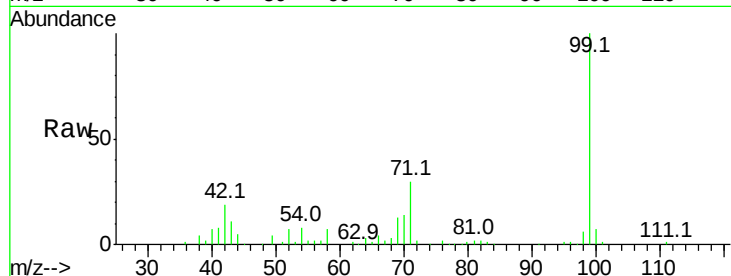
ClientSampleId :

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Tot Ion:	99	Resp:	222502
Ion Ratio	Lower	Upper	
99	100		
42	19.2	14.5	21.7
71	30.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

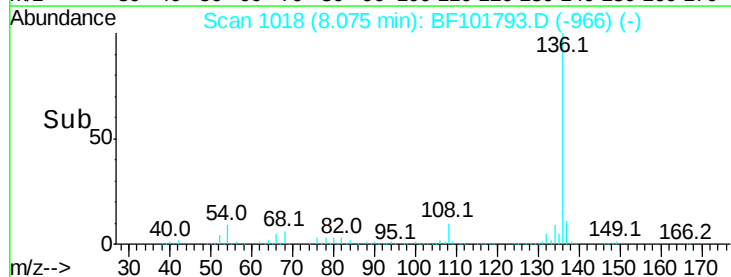
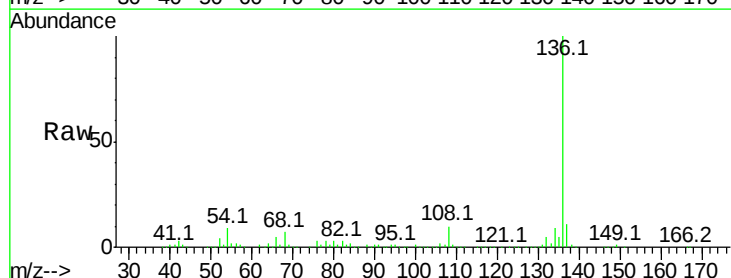
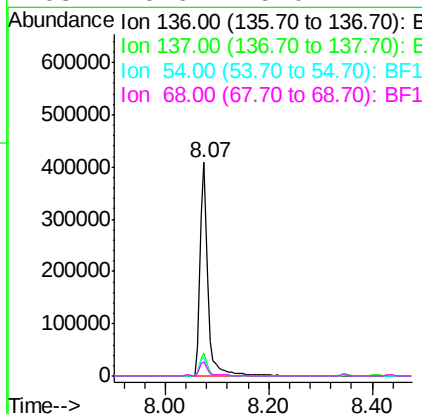
RT: 8.07 min Scan# 1018

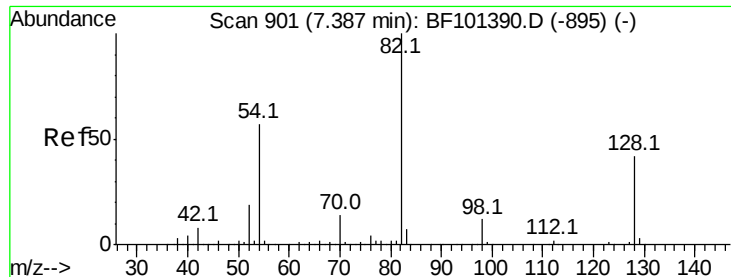
Delta R.T. 0.01 min

Lab File: BF101793.D

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Tgt Ion:	136	Resp:	418703
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.6	6.6	9.8
68	6.6	5.0	7.4





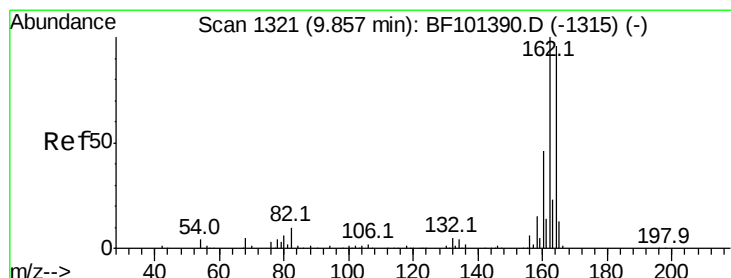
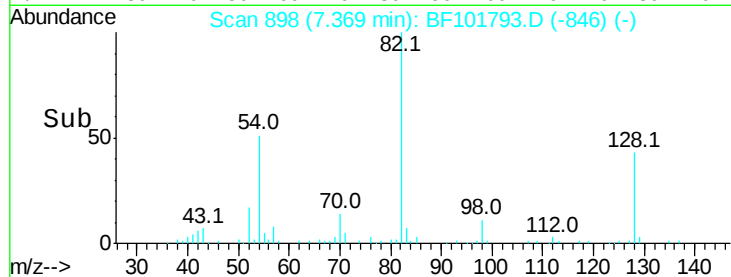
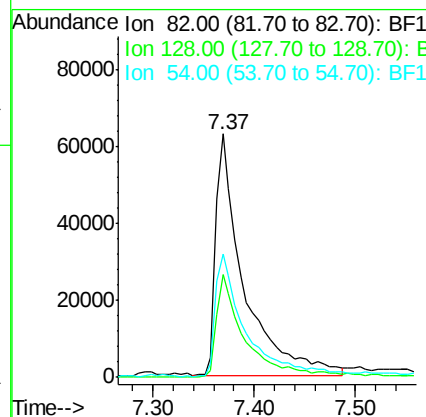
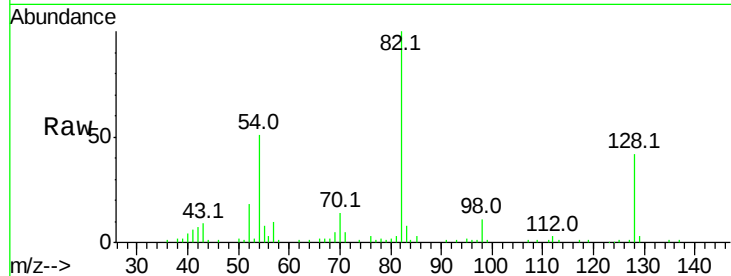
#23
 Nitrobenzene-d5
 Concen: 15.975 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: BF101793.D
 Acq: 28 Dec 2017 8:41

Instrument :
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 ClientSampleId :
 SB-22-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.5	36.1	54.1	
54	50.7	41.4	62.2	

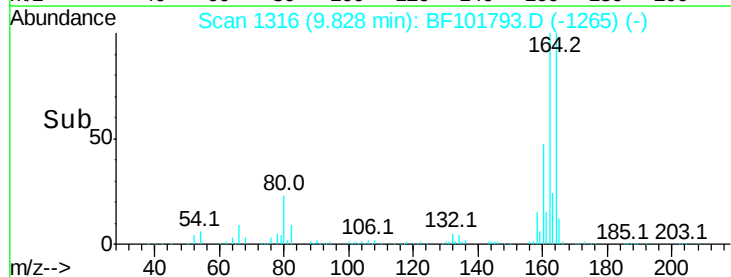
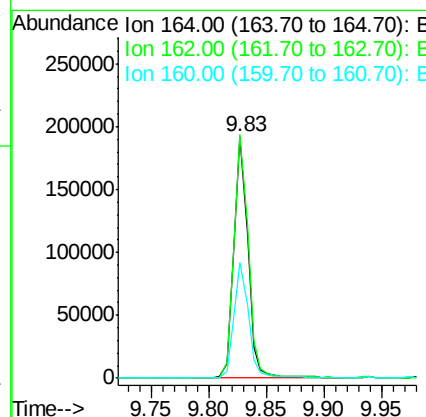
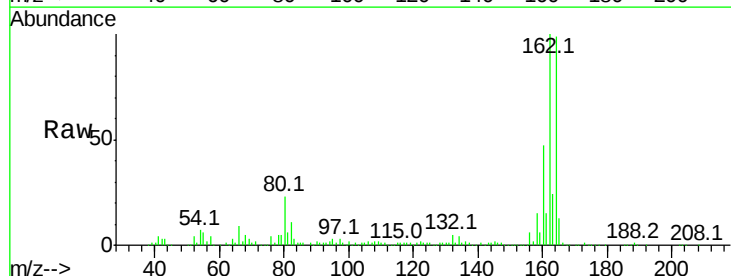
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: BF101793.D
 Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	86.1	129.1	
160	47.6	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 22.467 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF101793.D

Acq: 28 Dec 2017 8:41

Instrument :

BNA_F

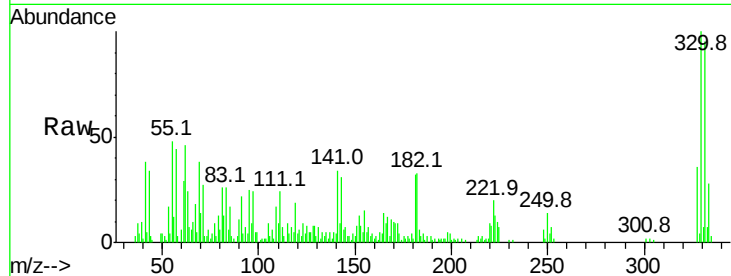
ClientSampleId :

SB-22-COMP

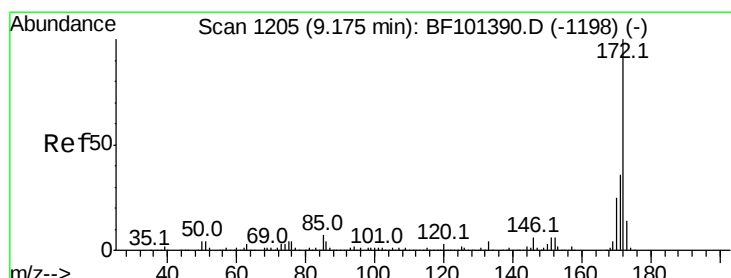
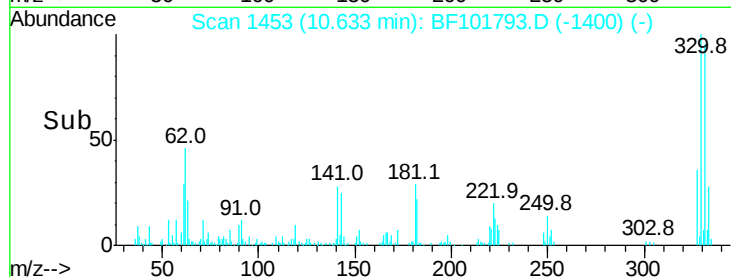
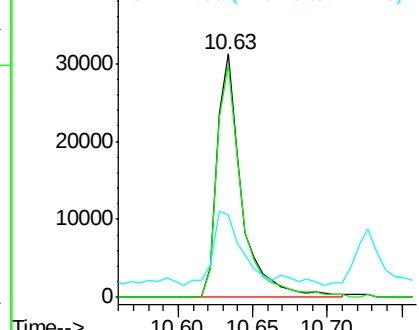
Tot Ion:	330	Resp:	35639
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.0	115.6
141	36.1	29.9	44.9

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



#44

2-Fluorobiphenyl

Concen: 20.845 ng

RT: 9.15 min Scan# 1200

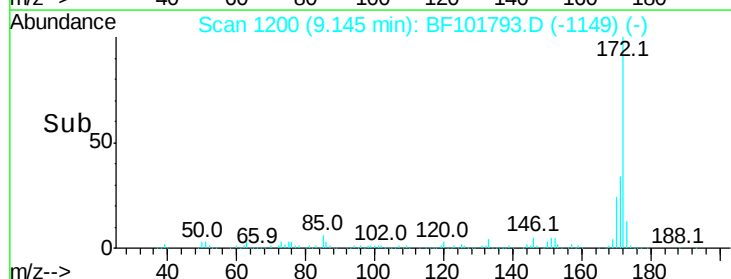
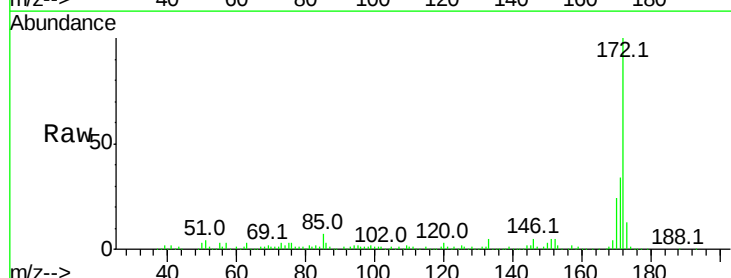
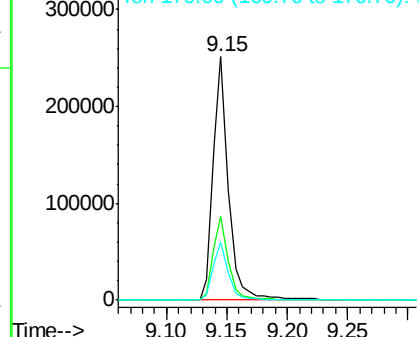
Delta R.T. -0.00 min

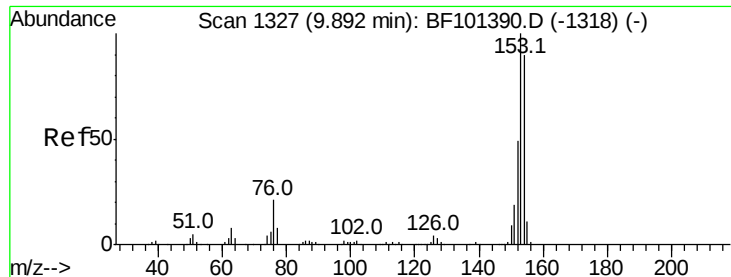
Lab File: BF101793.D

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Tgt Ion:	172	Resp:	221212
Ion Ratio	Lower	Upper	
172	100		
171	34.1	29.7	44.5
170	23.7	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 5.671 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.01 min

Lab File: BF101793.D

Acq: 28 Dec 2017 8:41

Instrument :

BNA_F

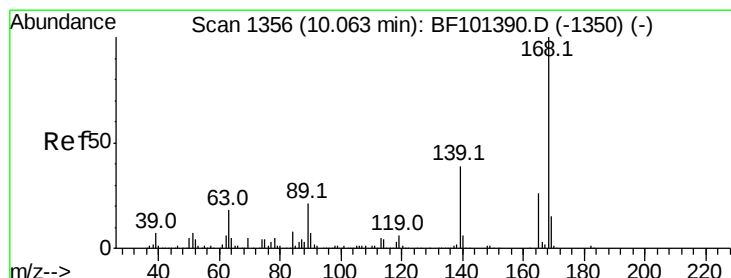
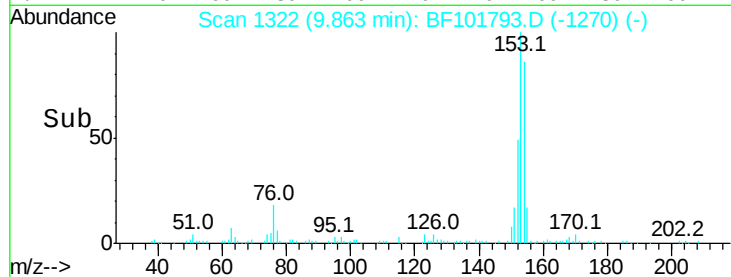
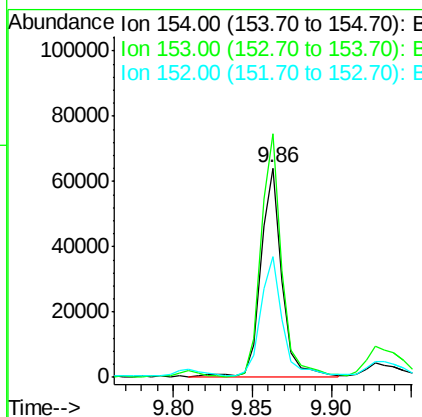
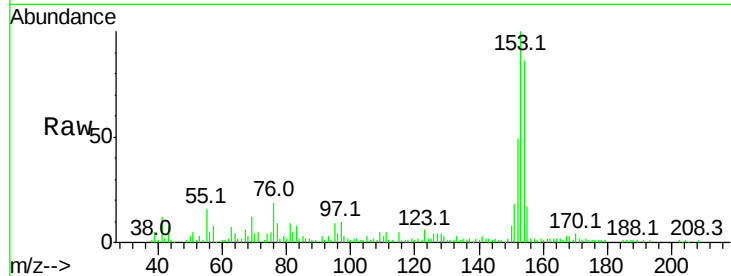
ClientSampleId :

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Tot Ion:	154	Resp:	60120
Ion Ratio	Lower	Upper	
154	100		
153	116.4	91.2	136.8
152	57.5	43.8	65.8

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#54

Dibenzofuran

Concen: 4.549 ng

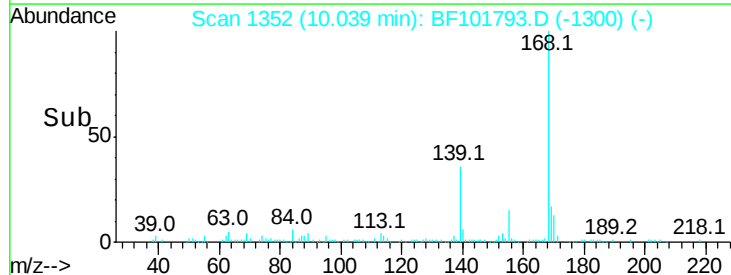
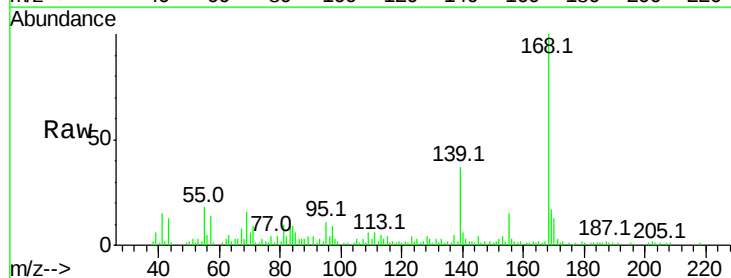
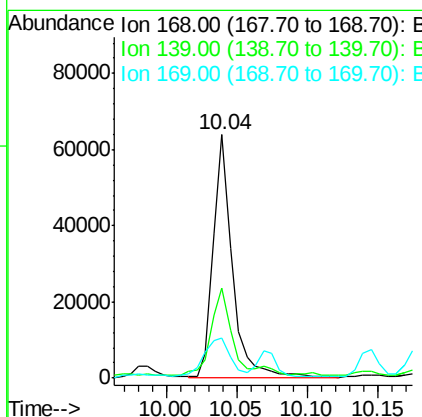
RT: 10.04 min Scan# 1352

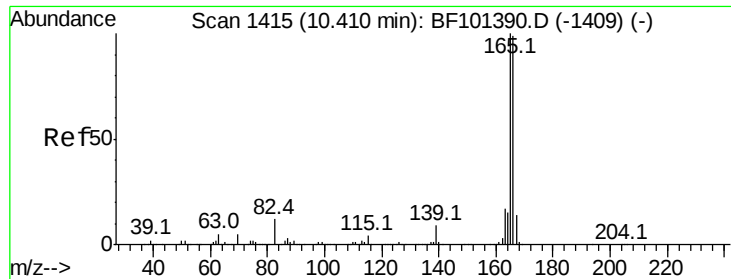
Delta R.T. 0.01 min

Lab File: BF101793.D

Acq: 28 Dec 2017 8:41

Tgt Ion:	168	Resp:	61284
Ion Ratio	Lower	Upper	
168	100		
139	36.9	30.1	45.1
169	16.5	10.9	16.3#





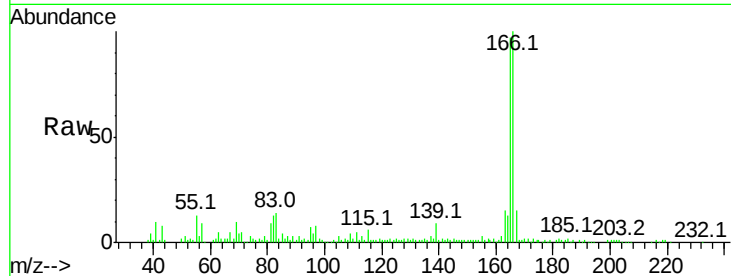
#57
Fluorene
 Concen: 7.969 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.01 min
 Lab File: BF101793.D
 Acq: 28 Dec 2017 8:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

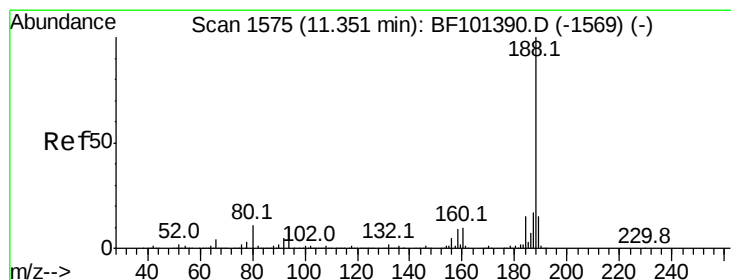
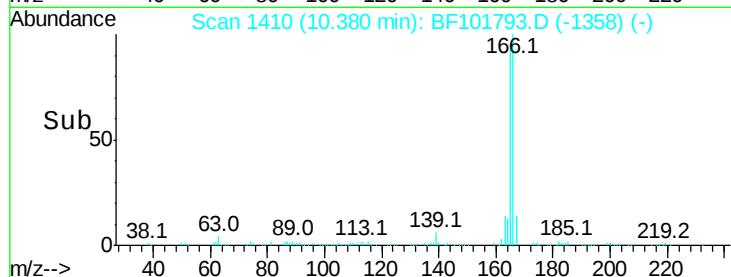
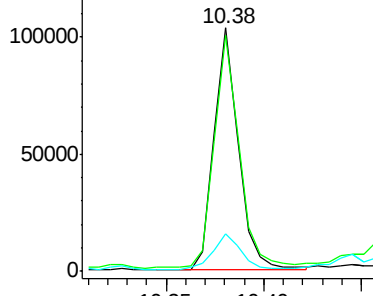
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.8	119.8
167	15.2	10.6	16.0

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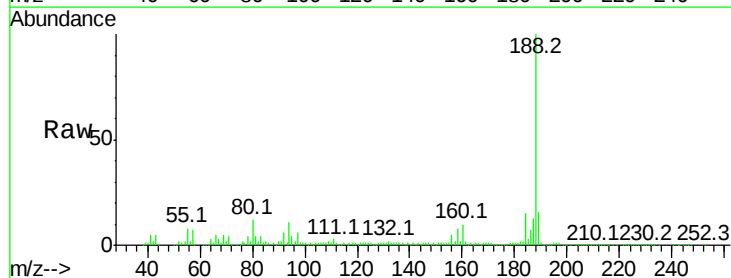


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

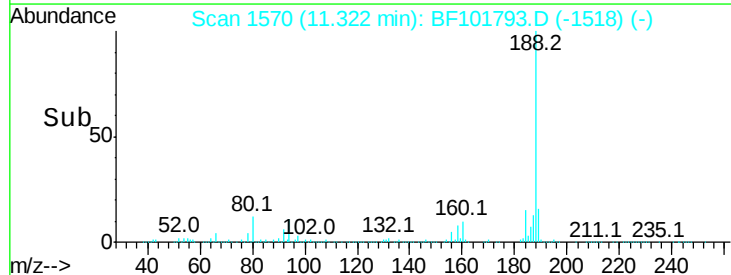
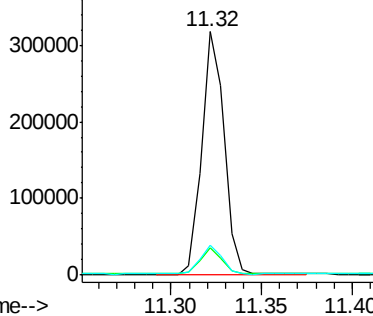


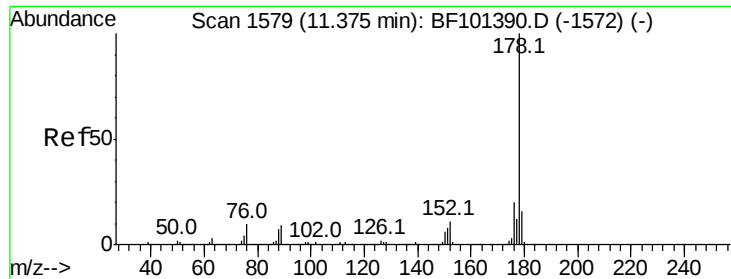
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF101793.D
 Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.2	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 44.194 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF101793.D

Acq: 28 Dec 2017 8:41

Instrument :

BNA_F

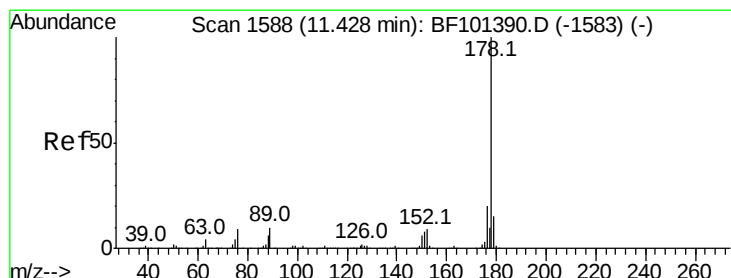
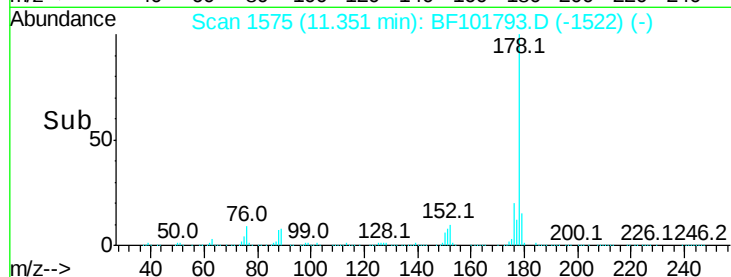
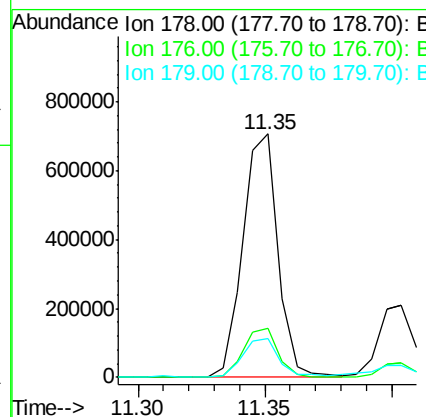
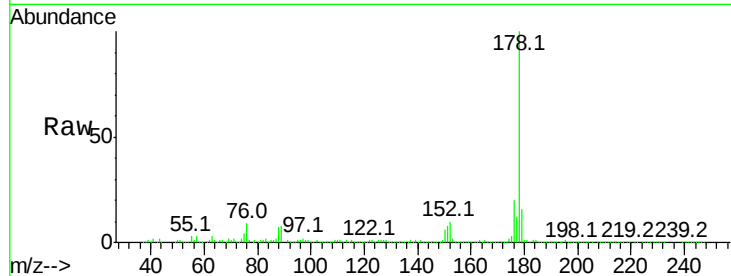
ClientSampleId :

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Tot Ion:178	Resp:	675964
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.8 23.8
179	16.0	13.0 19.6

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#71

Anthracene

Concen: 12.741 ng

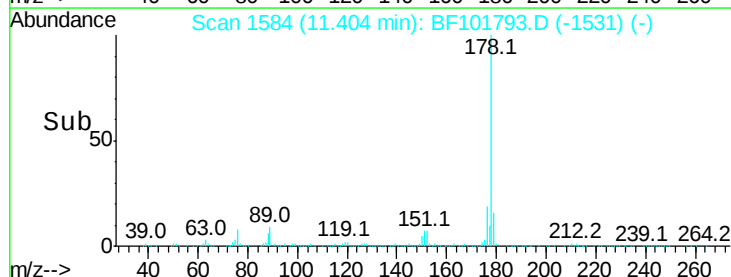
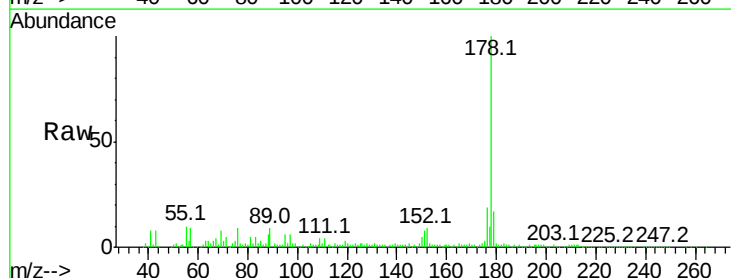
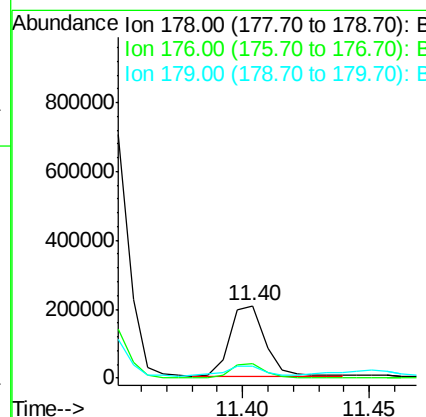
RT: 11.40 min Scan# 1584

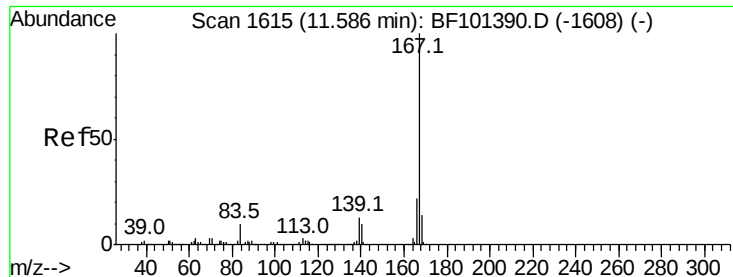
Delta R.T. 0.01 min

Lab File: BF101793.D

Acq: 28 Dec 2017 8:41

Tgt Ion:178	Resp:	199061
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.4 23.2
179	16.6	12.6 19.0





#72

Carbazole

Concen: 6.066 ng

RT: 11.57 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BF101793.D

Acq: 28 Dec 2017 8:41

Instrument :

BNA_F

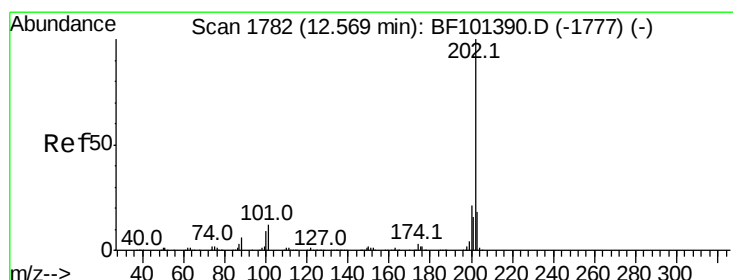
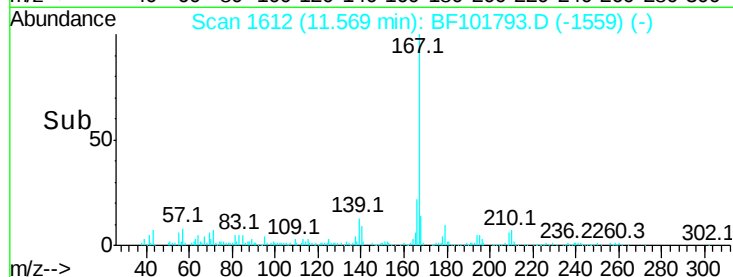
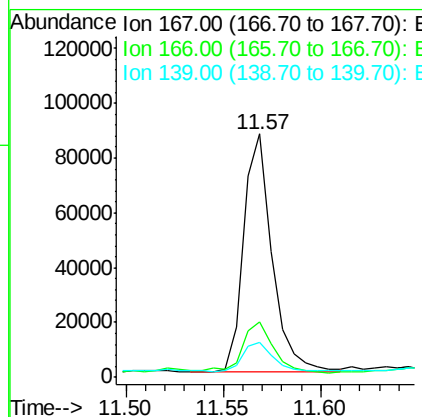
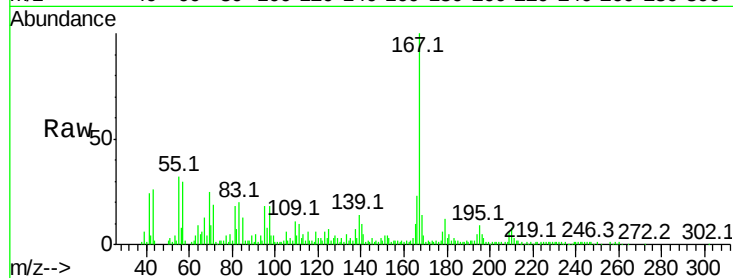
ClientSampleId :

SB-22-COMP

Tot Ion:	167	Resp:	88726
Ion Ratio	Lower	Upper	
167	100		
166	23.0	17.6	26.4
139	14.3	10.9	16.3

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#74

Fluoranthene

Concen: 46.933 ng

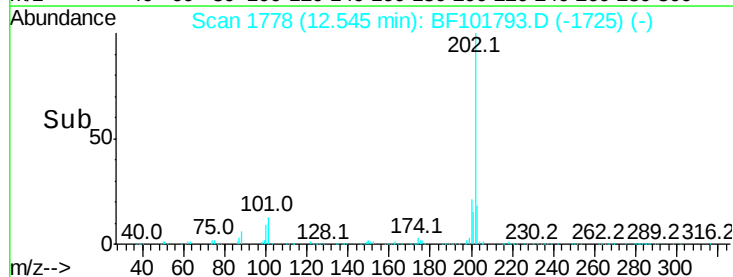
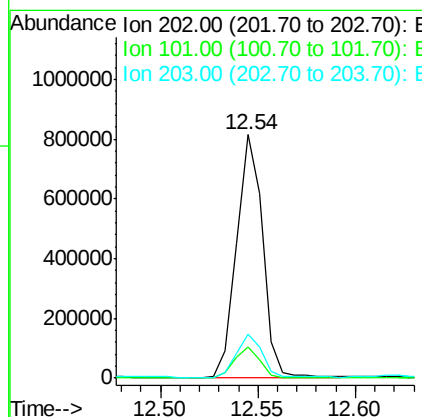
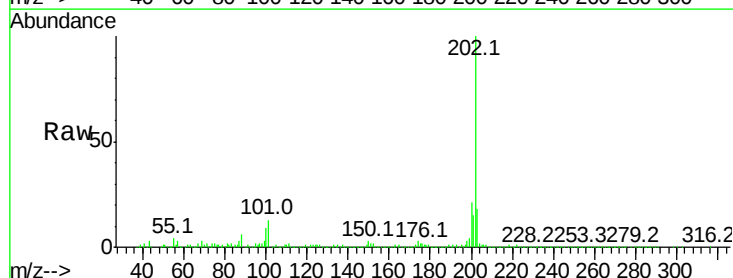
RT: 12.54 min Scan# 1778

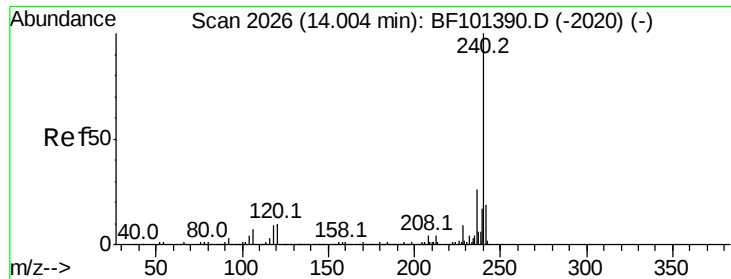
Delta R.T. 0.01 min

Lab File: BF101793.D

Acq: 28 Dec 2017 8:41

Tgt Ion:	202	Resp:	753496
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	34.1
203	17.9	0.0	38.1





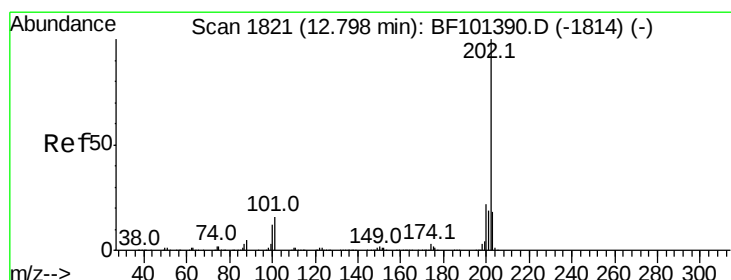
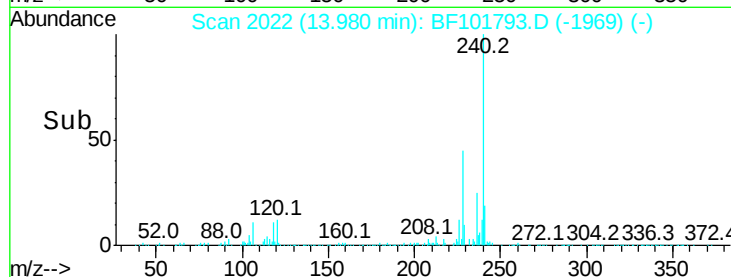
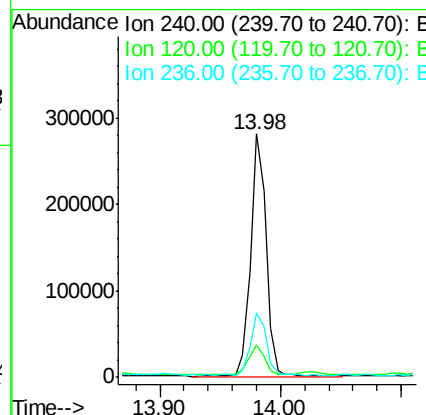
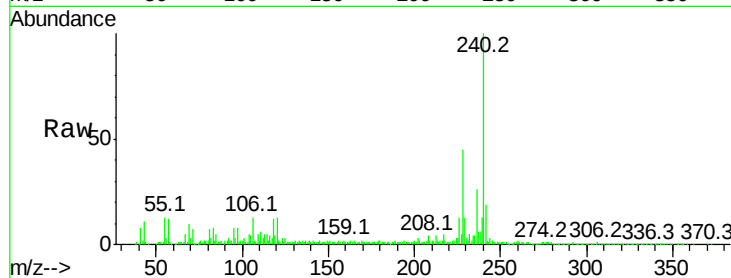
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.2	20.7	31.1

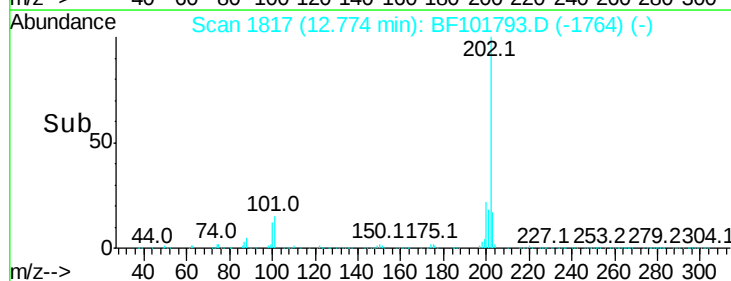
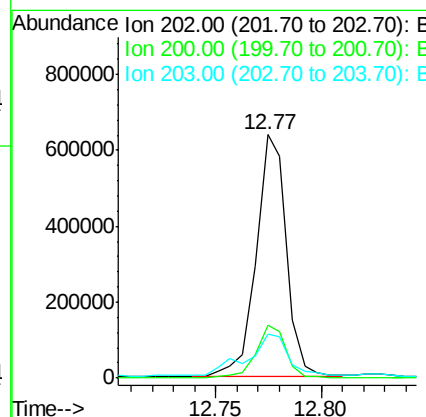
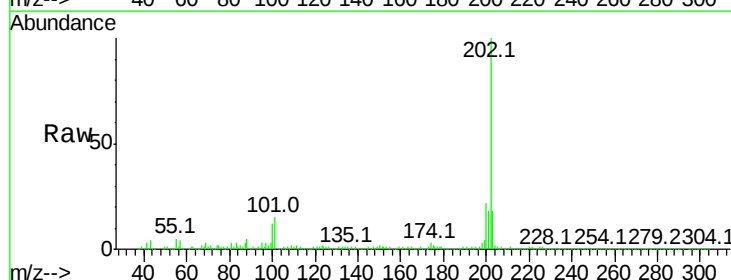
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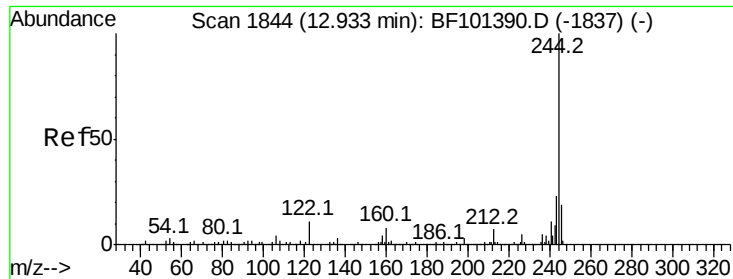
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#77
Pyrene
Concen: 33.712 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.1	14.3	21.5





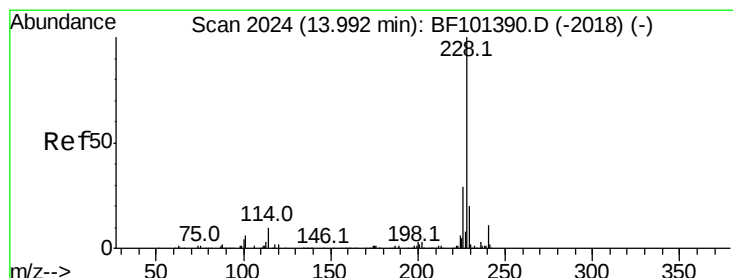
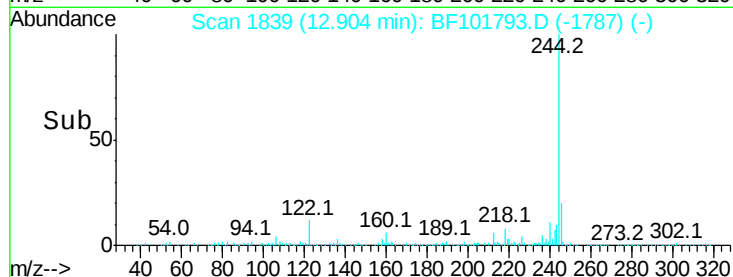
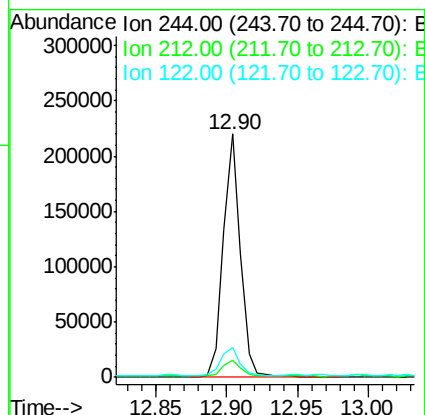
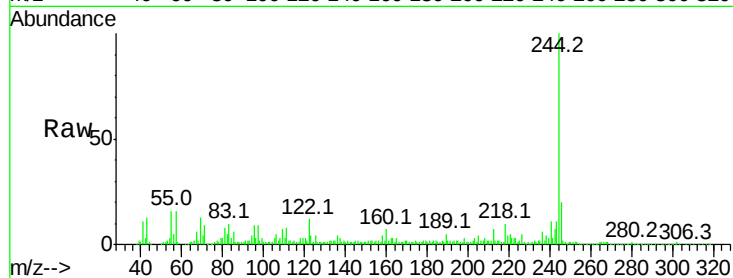
#78
 Terphenyl-d14
 Concen: 17.490 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF101793.D
 Acq: 28 Dec 2017 8:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-22-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.4	11.0	16.4

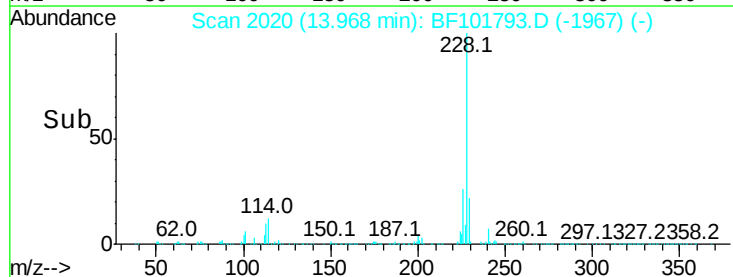
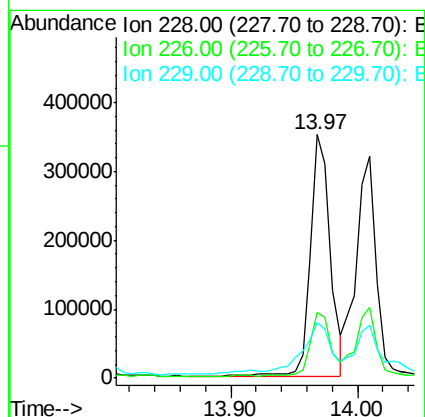
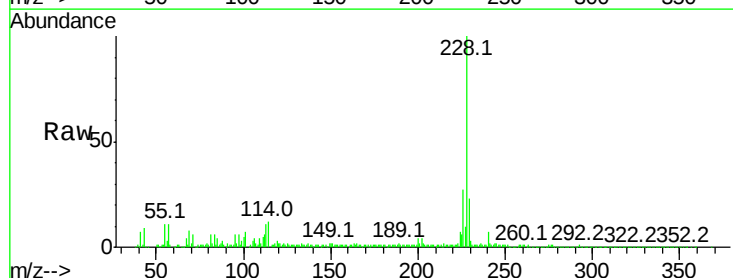
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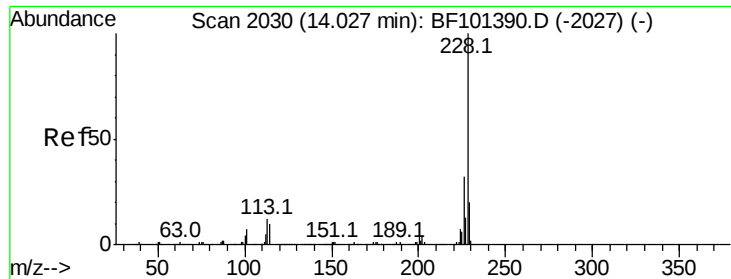
Sohil
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#80
 Benzo(a)anthracene
 Concen: 22.585 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF101793.D
 Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.6	33.8
229	22.6	15.8	23.6





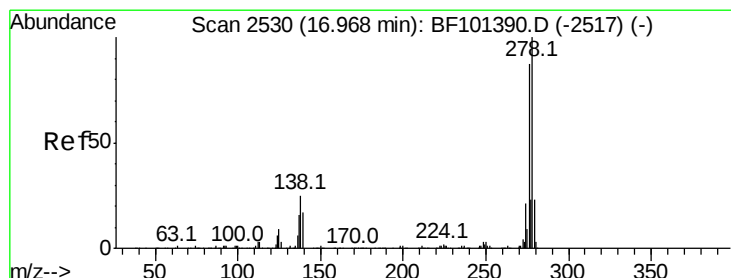
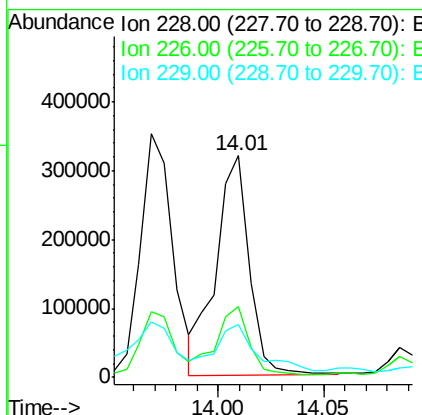
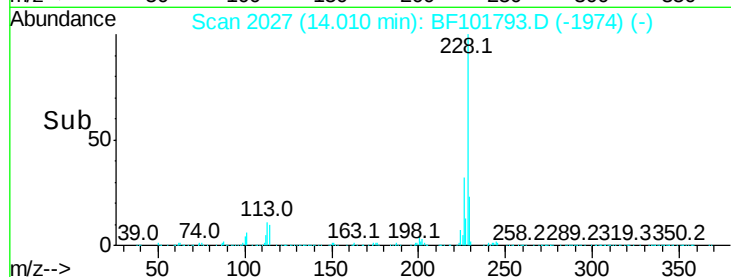
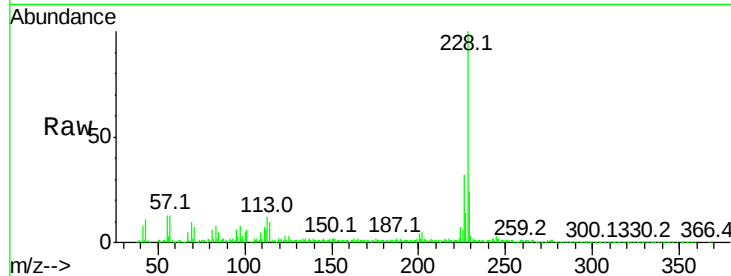
#82
Chrysene
Concen: 22.031 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	23.7	16.2	24.4

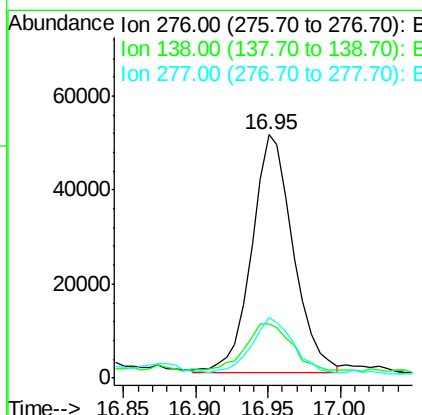
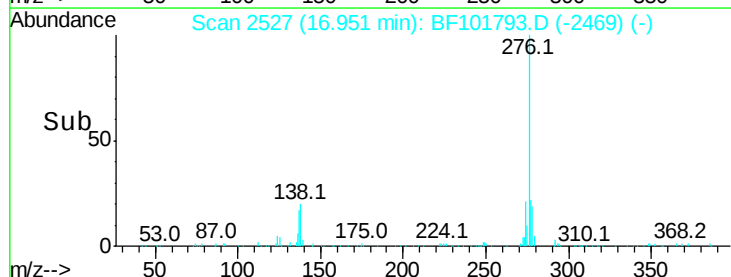
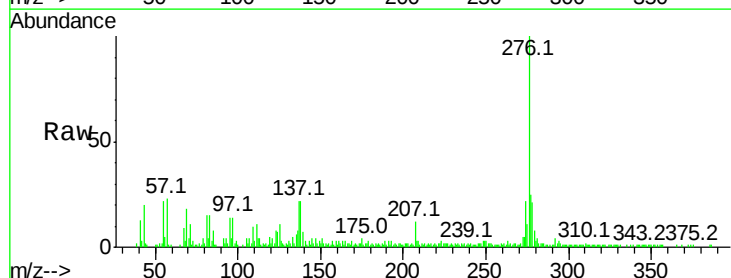
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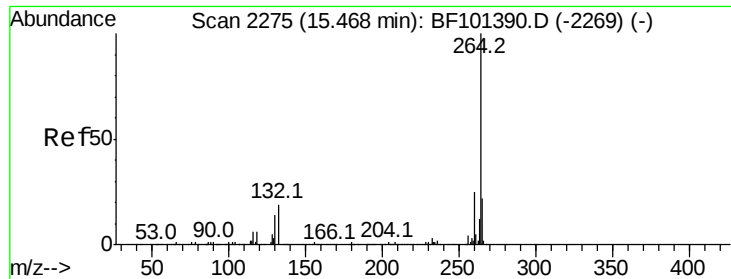
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.253 ng m
RT: 16.95 min Scan# 2527
Delta R.T. 0.04 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.3	25.0	37.6#
277	2.5	20.1	30.1#





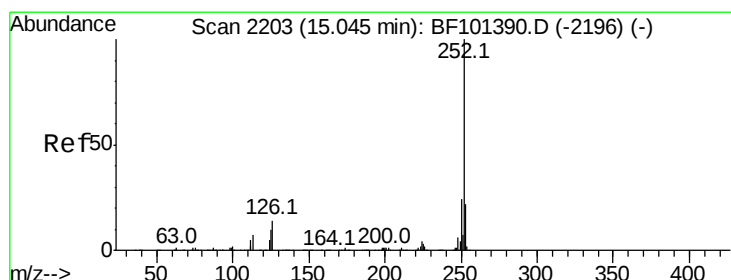
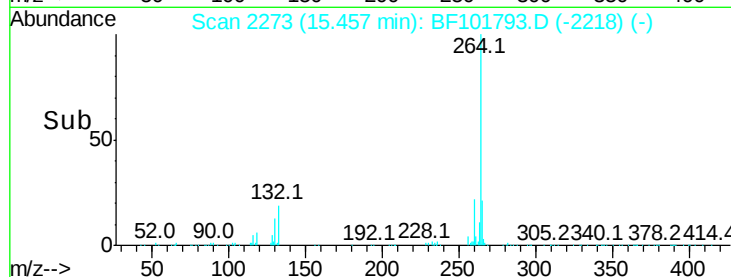
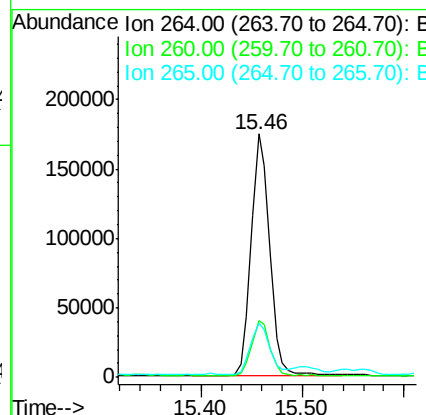
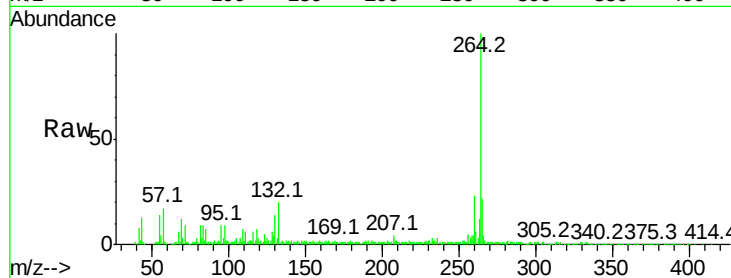
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.02 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3

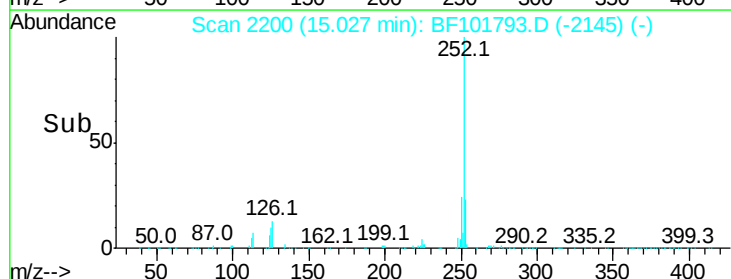
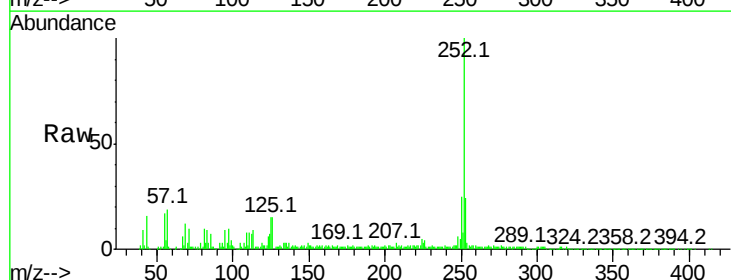
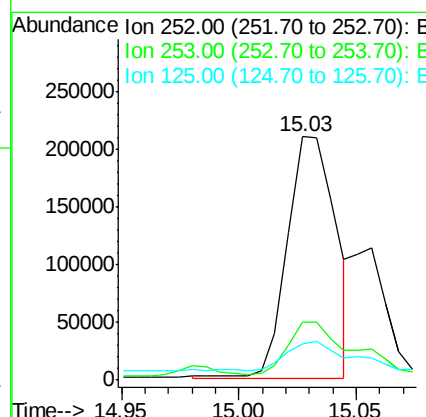
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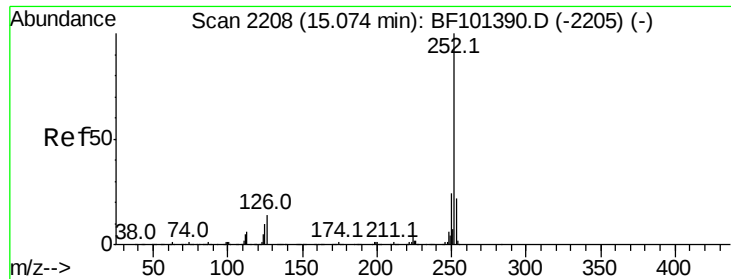
Sohil
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#87
Benzo(b)fluoranthene
Concen: 22.140 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.02 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	14.9	9.0	13.6





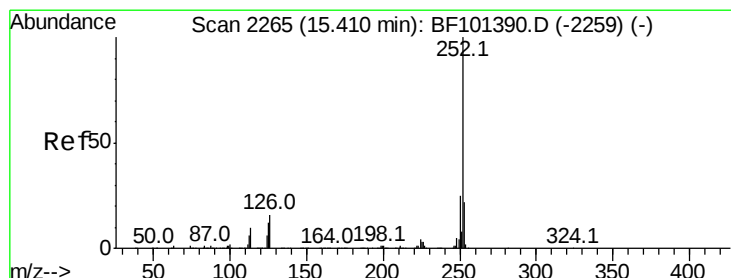
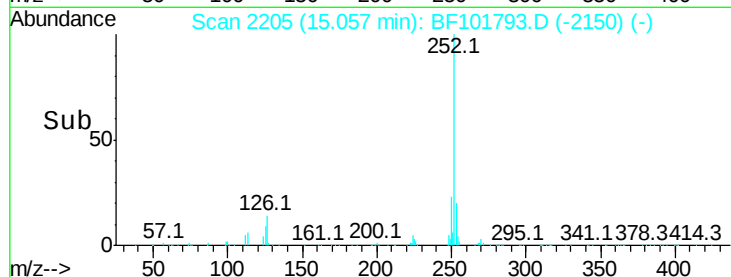
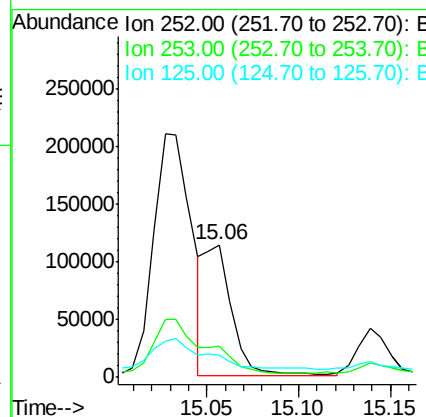
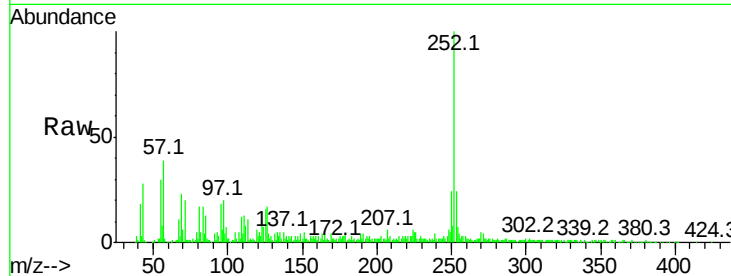
#88
Benzo(k)fluoranthene
Concen: 9.012 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	16.4	10.2	15.2

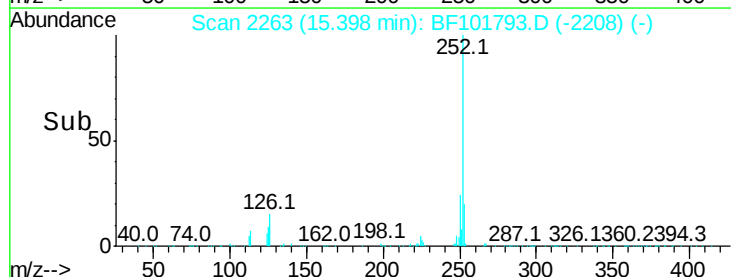
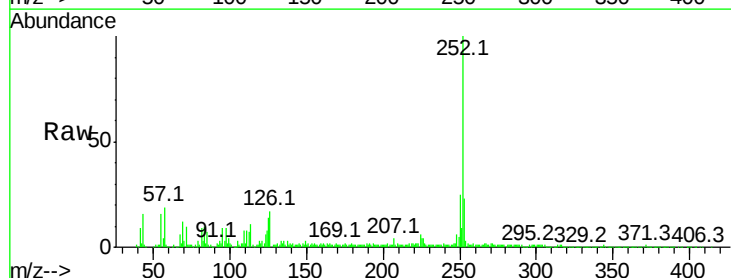
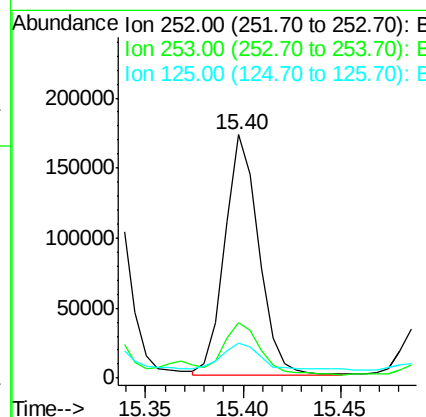
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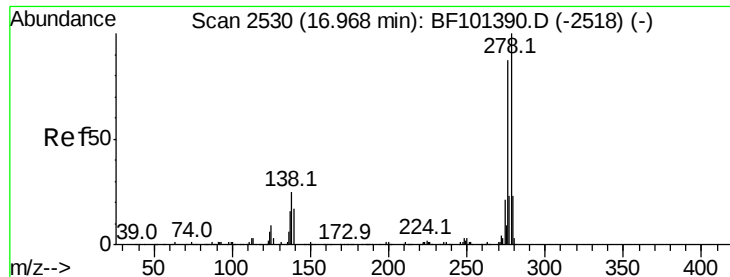
Sohil
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#89
Benzo(a)pyrene
Concen: 16.372 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.02 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.2	9.8	14.6





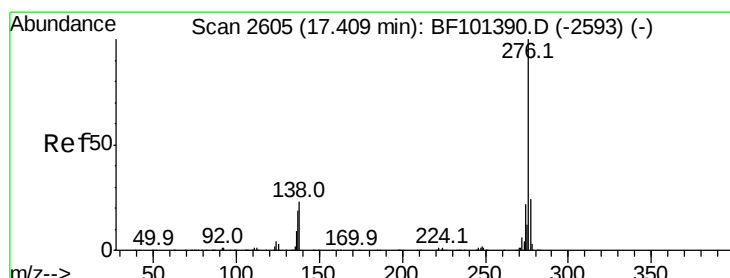
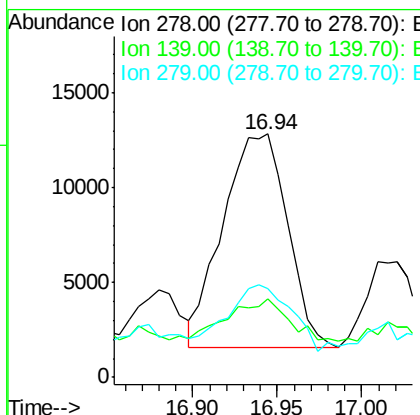
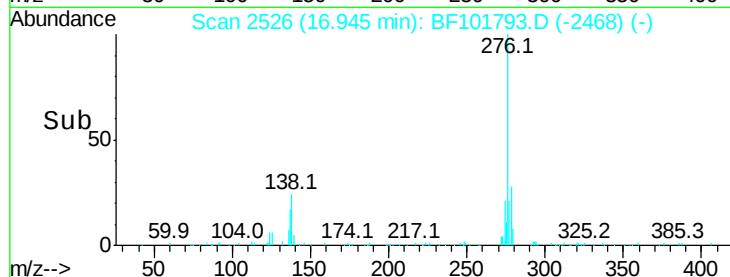
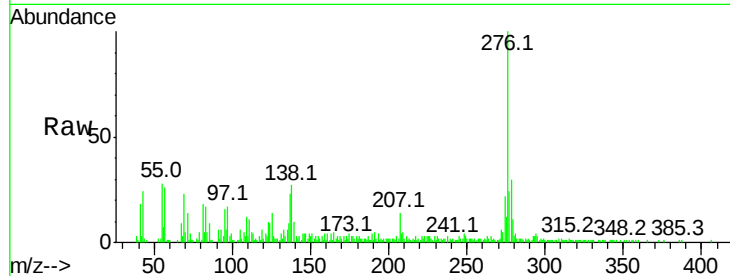
#90
Dibenzo(a,h)anthracene
Concen: 2.744 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.04 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Instrument :
BNA_F
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.4	15.9	23.9#
279	36.3	19.0	28.4#

Manual Integrations
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12/28/2017 2:03:33 PM



#91
Benzo(g,h,i)perylene
Concen: 8.748 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.05 min
Lab File: BF101793.D
Acq: 28 Dec 2017 8:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	24.8	21.8	32.8

