

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104701.D
 Acq On : 23 Apr 2018 11:34
 Operator : JU/SJ
 Sample : J2161-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042018

Manual Integrations
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Quant Time: Apr 23 15:55:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	115546	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	446563	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	175556	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	280534	20.00	ng	0.00
75) Chrysene-d12	13.98	240	237653	20.00	ng	0.00
86) Perylene-d12	15.46	264	170800	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	716202	94.78	ng	0.01
7) Phenol-d6	6.45	99	841919	90.68	ng	0.00
23) Nitrobenzene-d5	7.37	82	516992	75.60	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	165992	91.15	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	855148	76.95	ng	0.00
78) Terphenyl-d14	12.92	244	699322	67.09	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	58500	4.226	ng	100
51) Acenaphthene	9.87	154	25441	2.281	ng	97
57) Fluorene	10.39	166	39622	3.503	ng	99
70) Phenanthrene	11.36	178	293830	18.808	ng	99
71) Anthracene	11.41	178	77521	4.881	ng	99
72) Carbazole	11.57	167	44458	2.865	ng	99
74) Fluoranthene	12.55	202	384292	23.543	ng	98
77) Pyrene	12.78	202	337134	19.138	ng	99
80) Benzo(a)anthracene	13.97	228	148045	10.427	ng	97
82) Chrysene	14.01	228	147582	10.120	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	51210	4.134	ng	94
87) Benzo(b)fluoranthene	15.03	252	142308m	13.192	ng	
88) Benzo(k)fluoranthene	15.05	252	42506m	4.174	ng	
89) Benzo(a)pyrene	15.39	252	90120	9.337	ng	# 88
91) Benzo(a,h,i)perylene	17.36	276	53988	7.030	ng	# 94

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

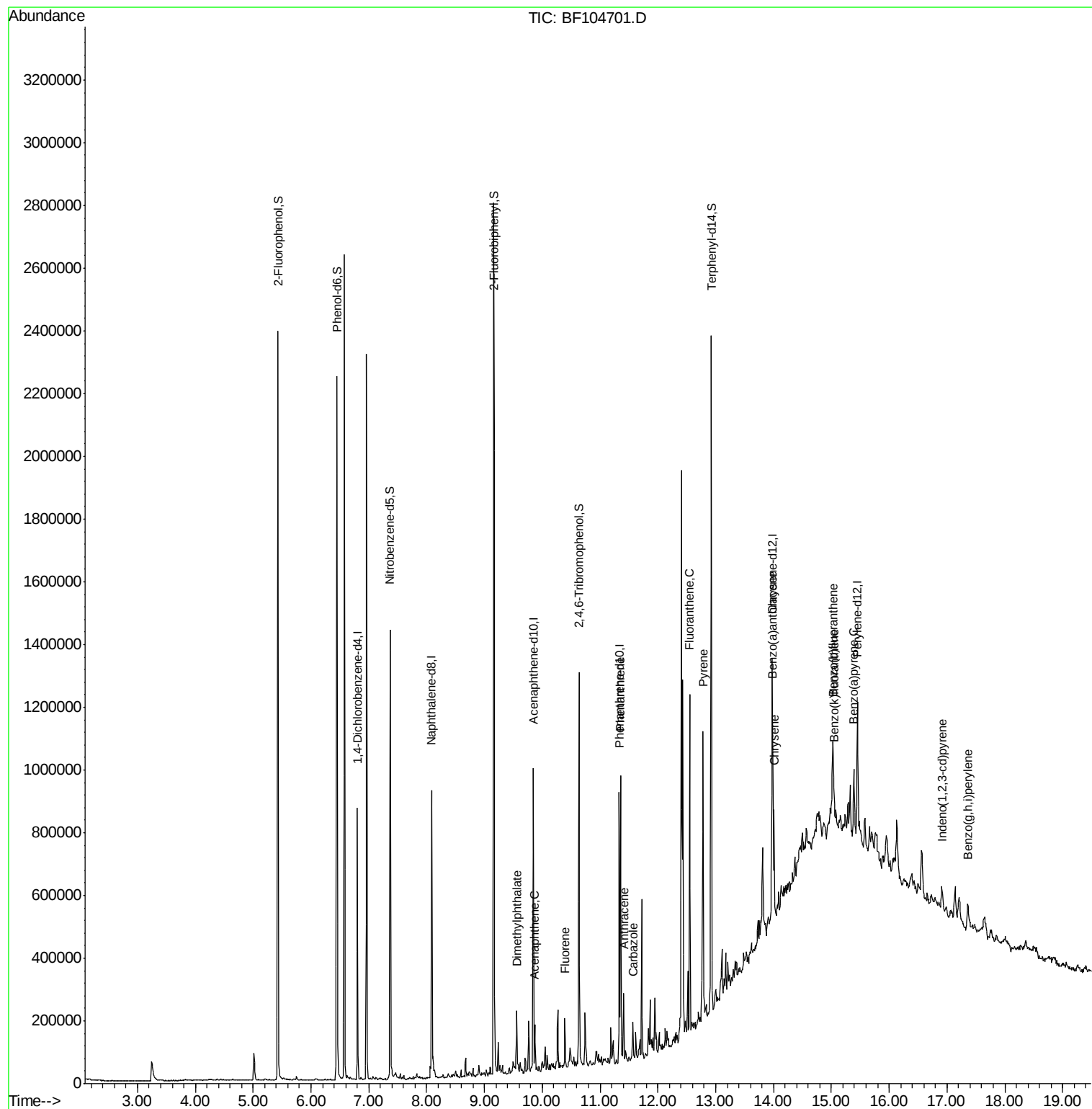
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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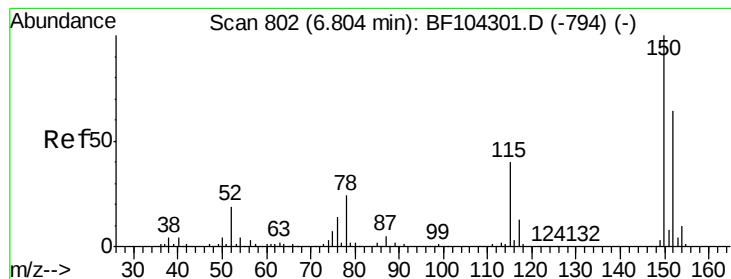
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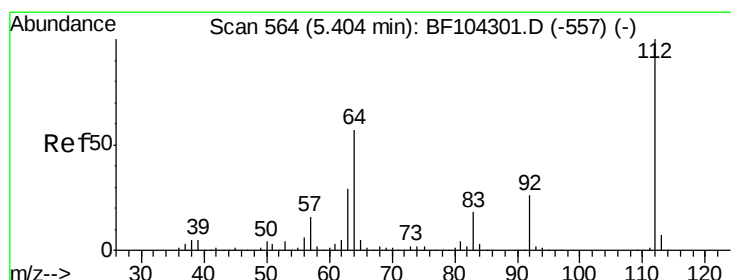
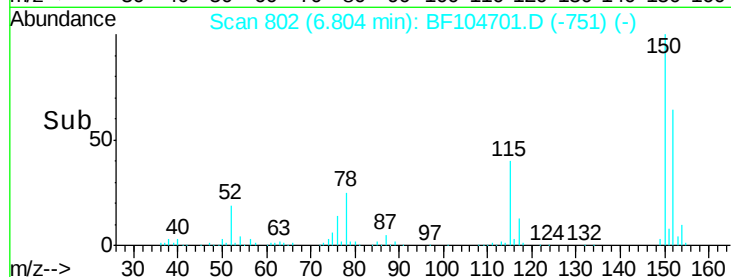
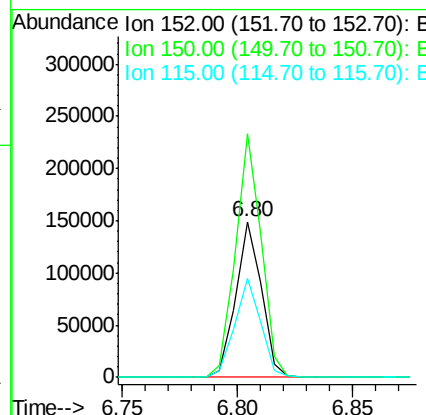
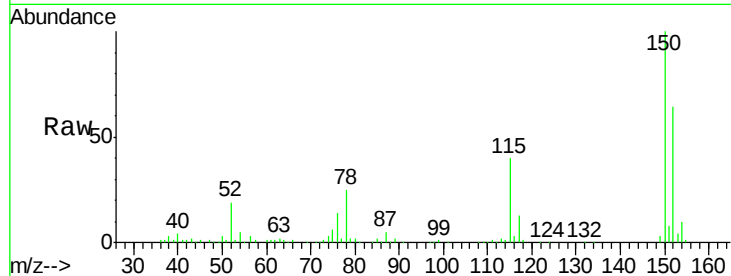
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042018

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	63.2	50.1	75.1

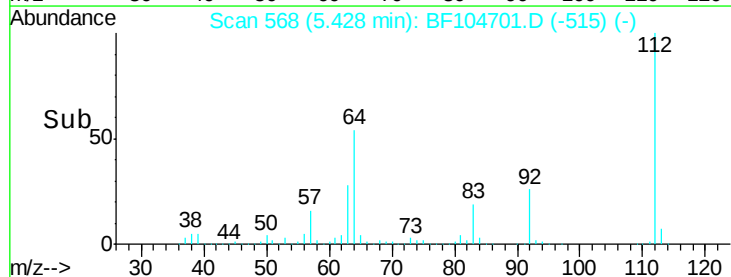
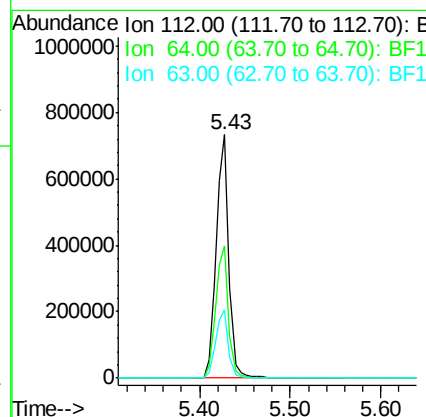
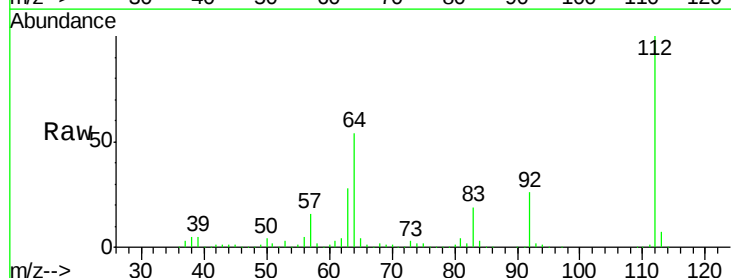
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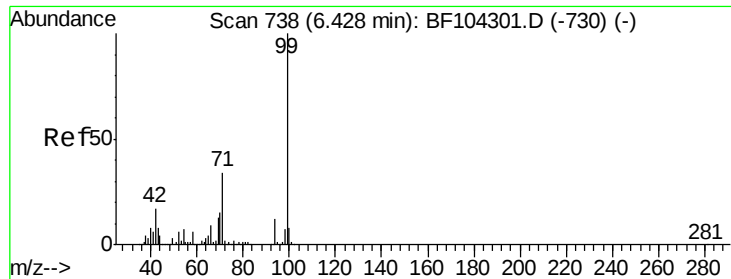
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#5
 2-Fluorophenol
 Concen: 94.777 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.8	23.7	35.5





#7

Phenol-d6

Concen: 90.678 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104701.D

Acq: 23 Apr 2018 11:34

Instrument :

BNA_F

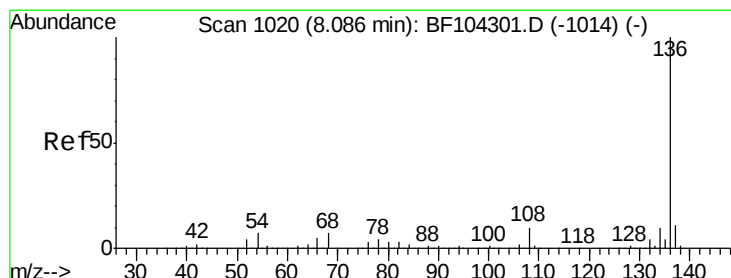
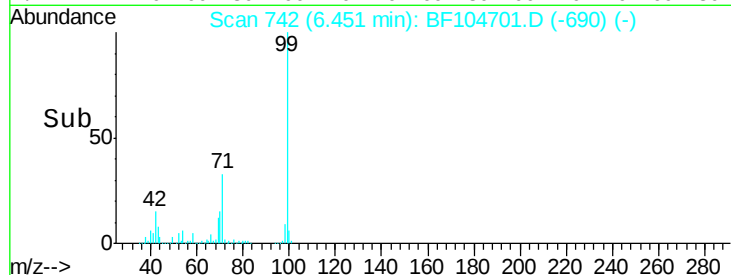
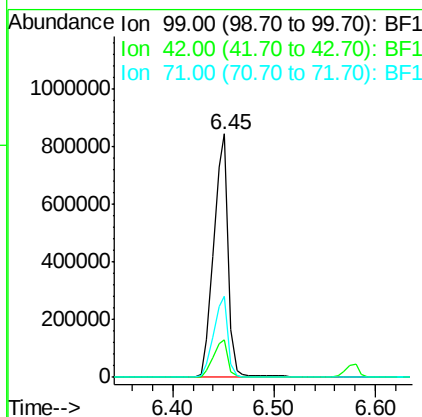
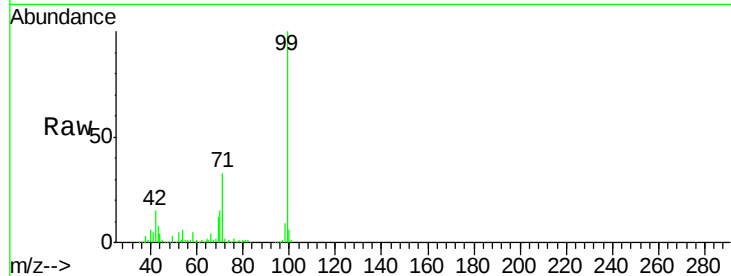
ClientSampled :

OR-03-042018

Tot Ion:	99	Resp:	841919
Ion	Ratio	Lower	Upper
99	100		
42	15.4	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

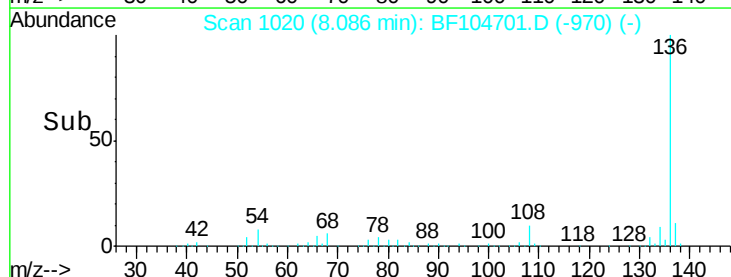
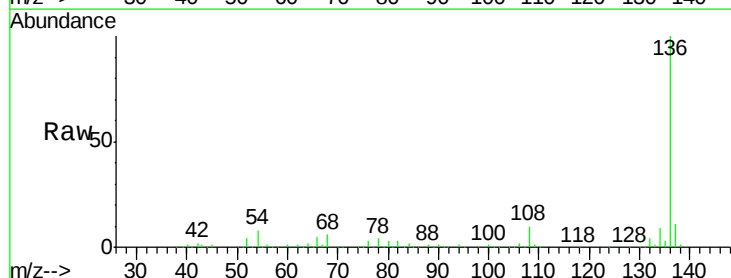
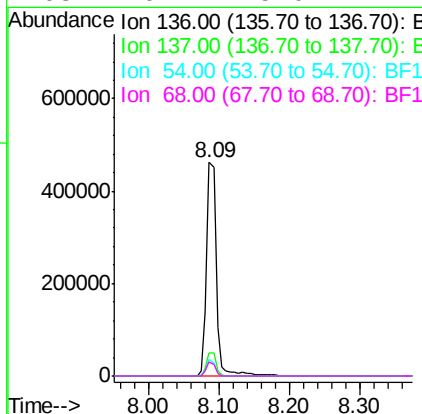
RT: 8.09 min Scan# 1020

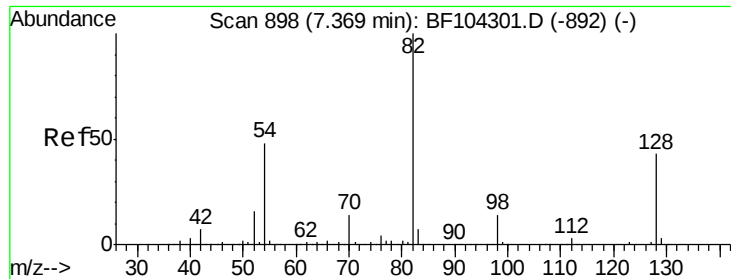
Delta R.T. -0.01 min

Lab File: BF104701.D

Acq: 23 Apr 2018 11:34

Tgt Ion:	136	Resp:	446563
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.6	6.6	9.8
68	6.4	5.0	7.4





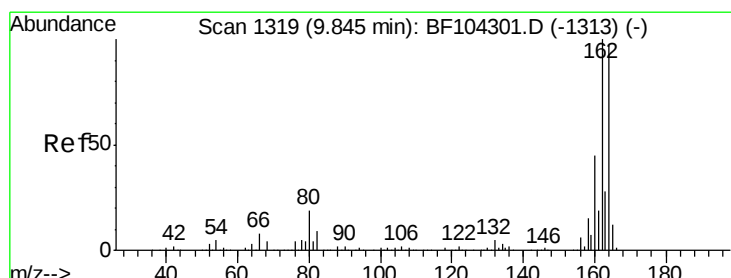
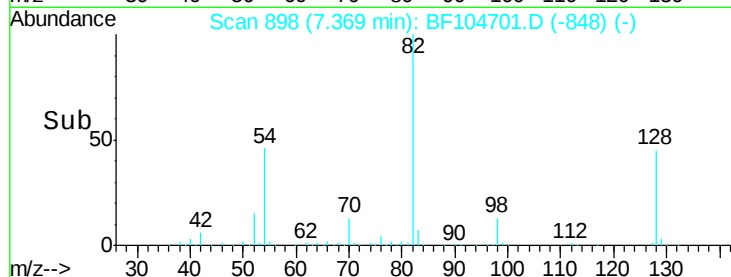
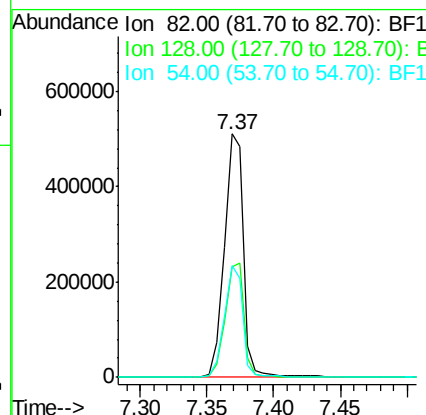
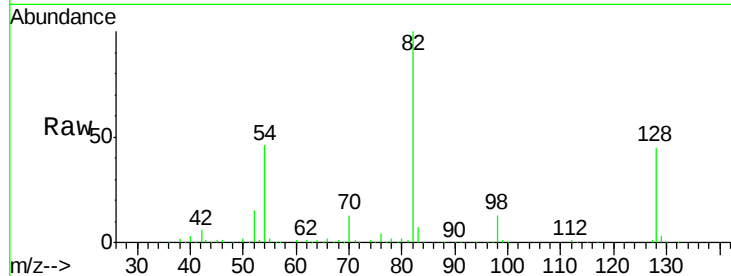
#23
 Nitrobenzene-d5
 Concen: 75.596 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042018

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	45.7	41.4	62.2

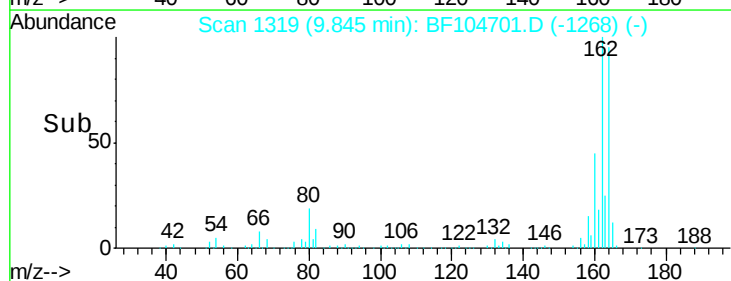
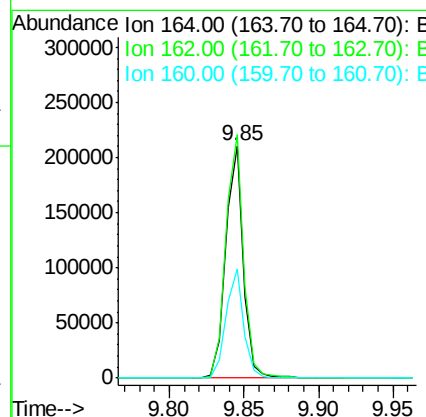
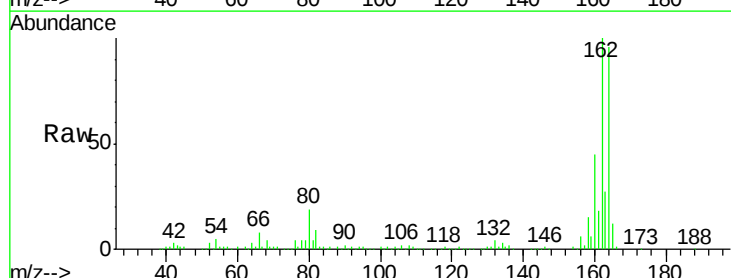
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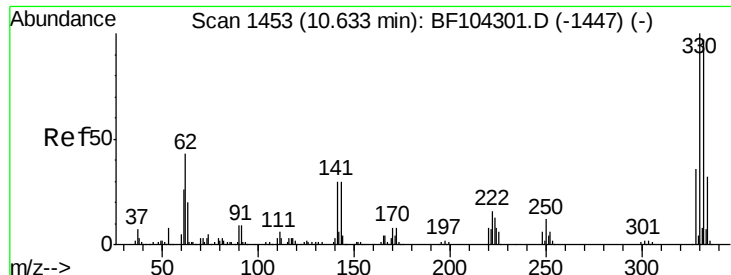
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	47.0	38.3	57.5





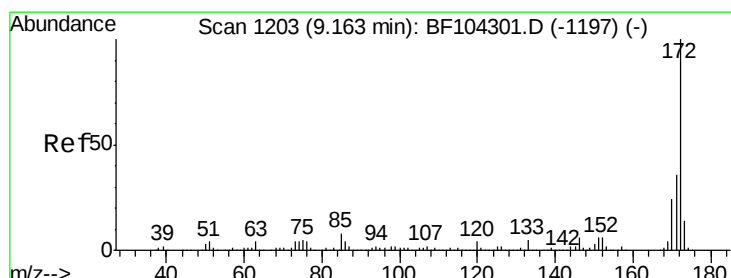
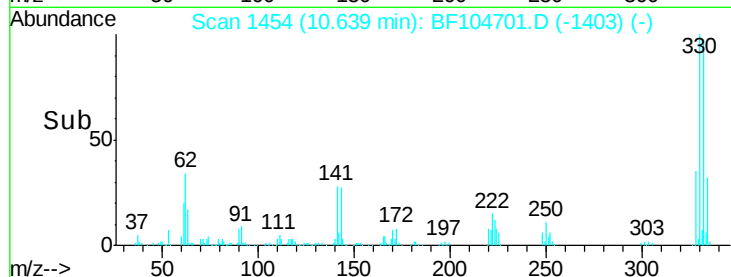
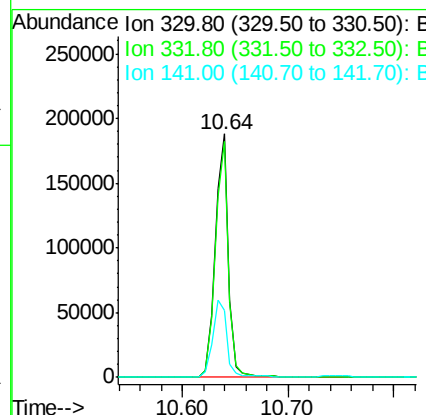
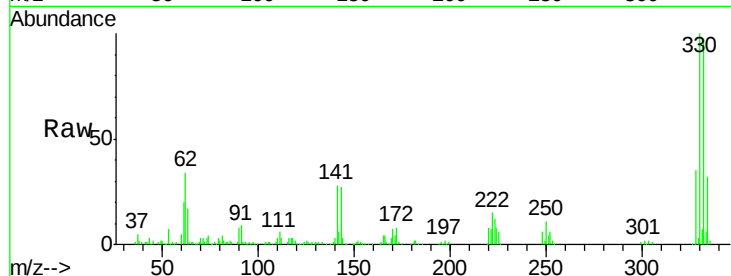
#41
 2,4,6-Tribromophenol
 Concen: 91.150 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042018

Tot Ion	Ratio	Resp	Lower	Upper
330	100	165992		
332	96.5	77.0	115.6	
141	34.0	29.9	44.9	

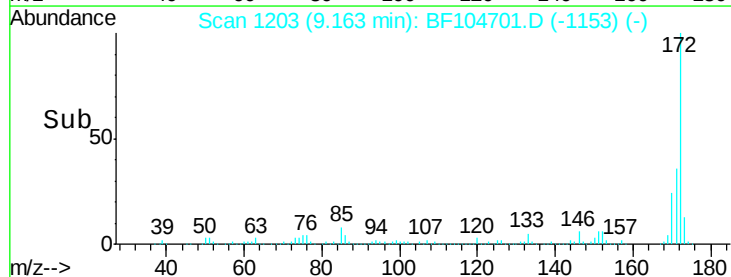
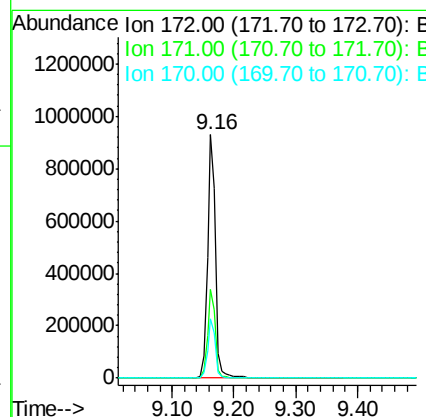
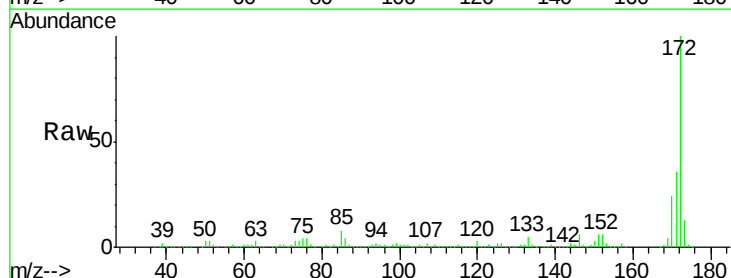
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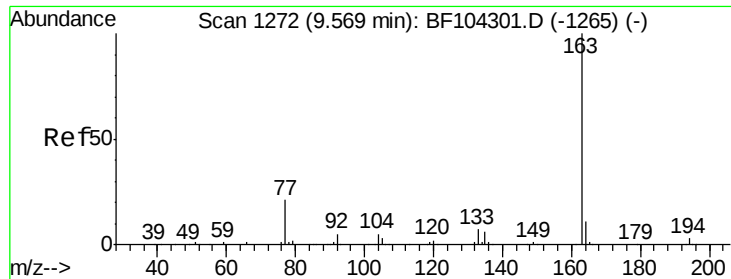
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#44
 2-Fluorobiphenyl
 Concen: 76.951 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	855148		
171	36.5	29.7	44.5	
170	24.3	19.6	29.4	





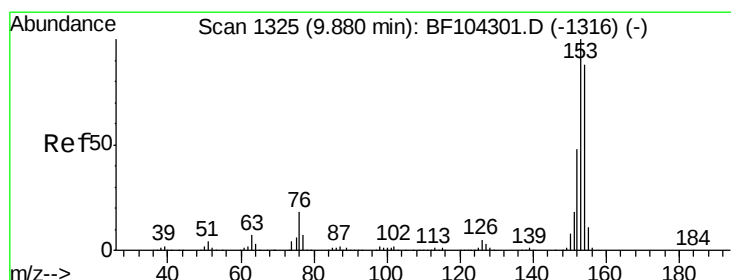
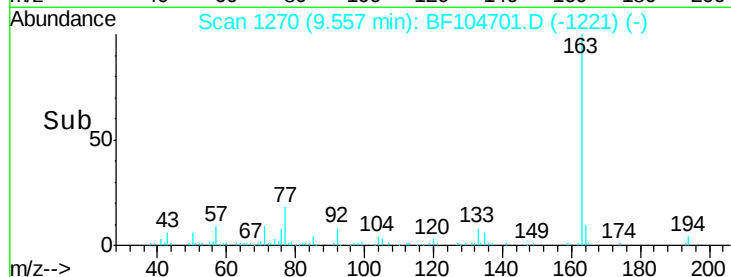
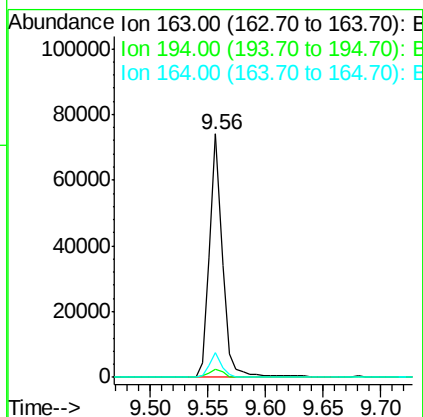
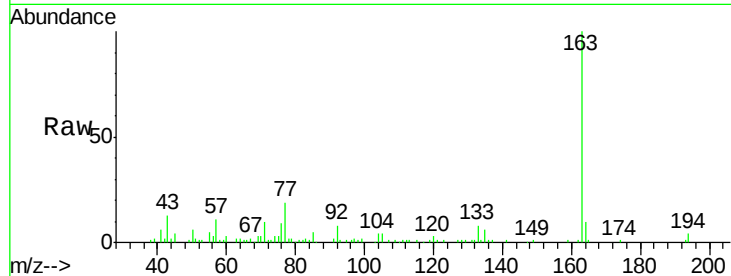
#49
Dimethylphthalate
Concen: 4.226 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Instrument :
BNA_F
ClientSampleId :
OR-03-042018

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2

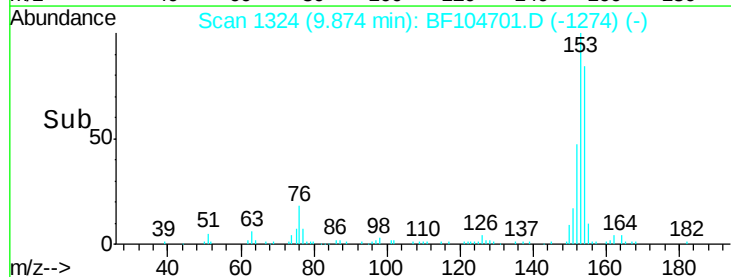
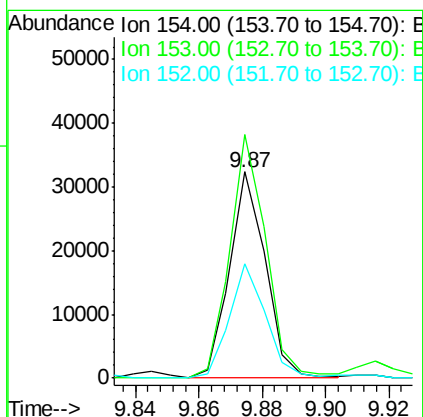
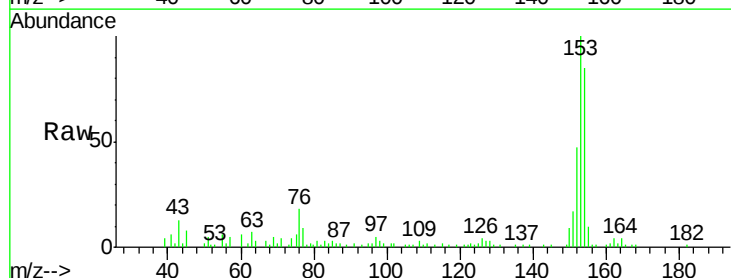
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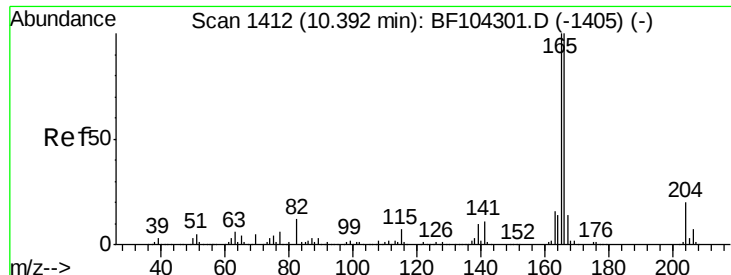
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#51
Acenaphthene
Concen: 2.281 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.1	91.2	136.8
152	55.5	43.8	65.8





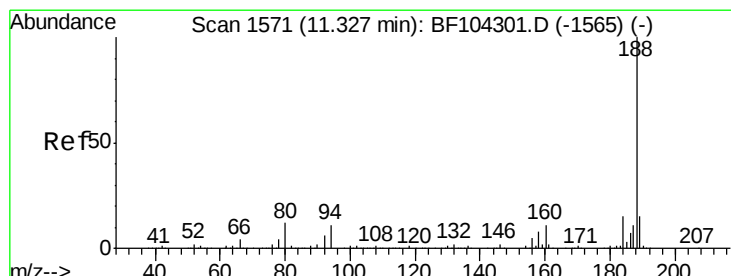
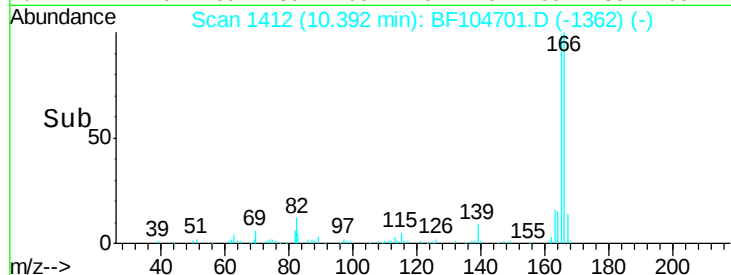
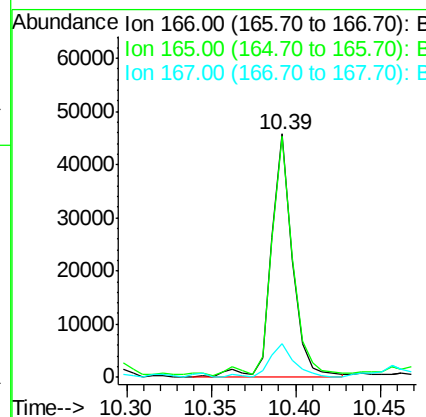
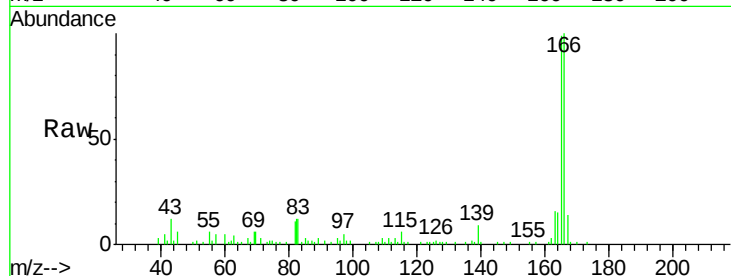
#57
Fluorene
 Concen: 3.503 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042018

Tot Ion	Ratio	Resp	Lower	Upper
166	100	39622		
165	99.1	79.8	119.8	
167	14.0	10.6	16.0	

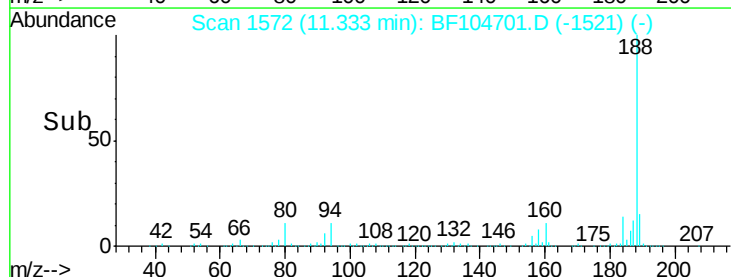
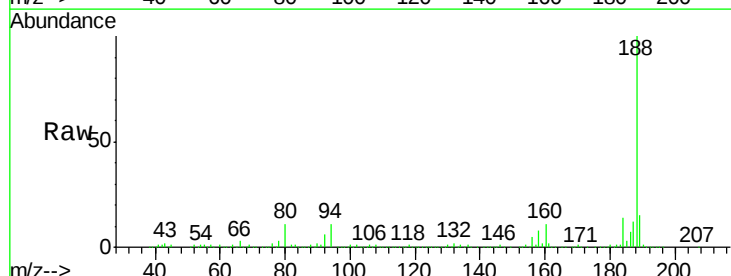
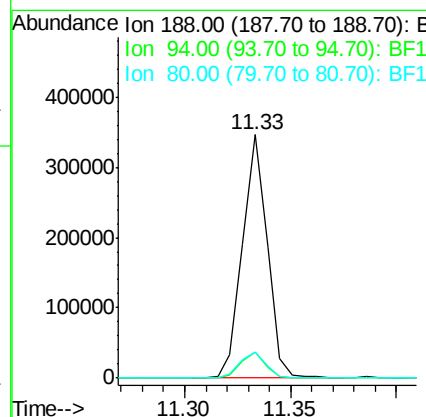
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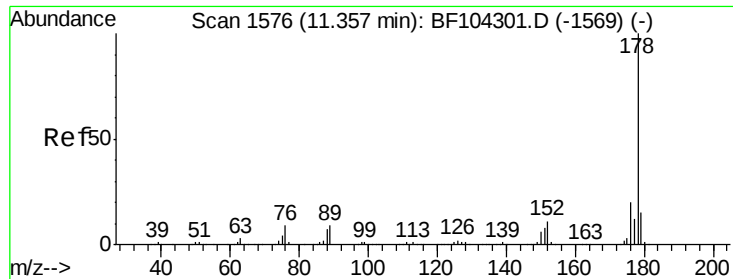
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	280534		
94	10.6	8.5	12.7	
80	10.7	9.2	13.8	





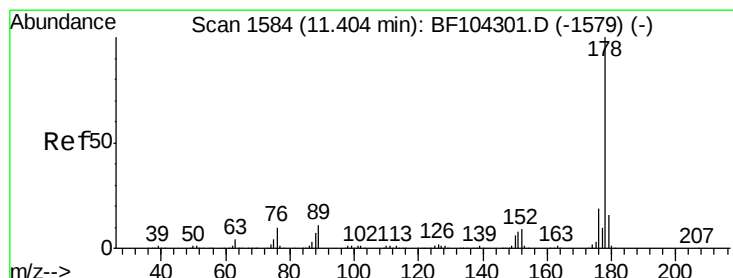
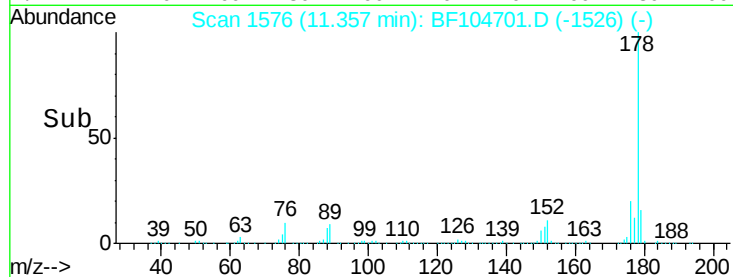
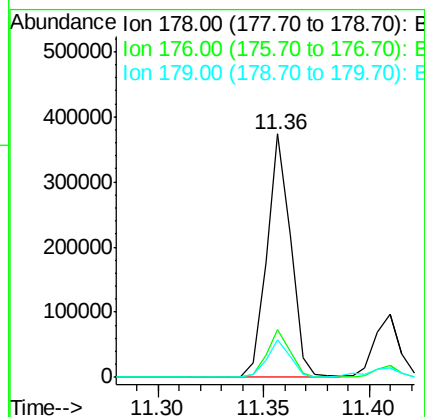
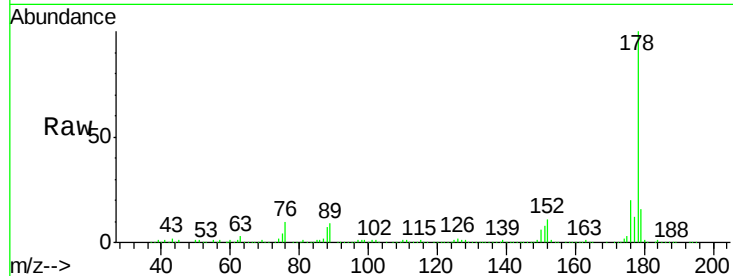
#70
Phenanthrene
Concen: 18.808 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Instrument :
BNA_F
ClientSampleId :
OR-03-042018

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.7	13.0	19.6

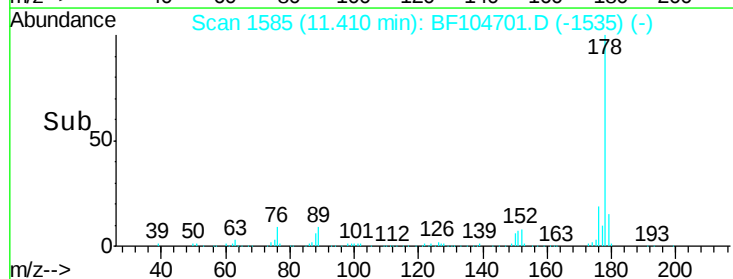
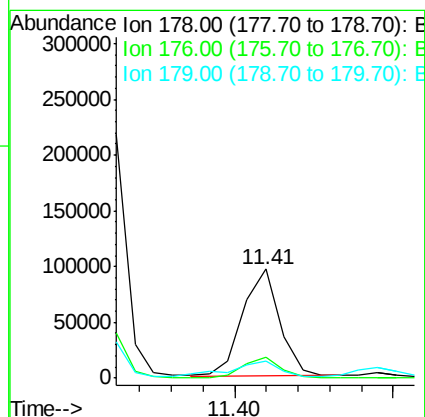
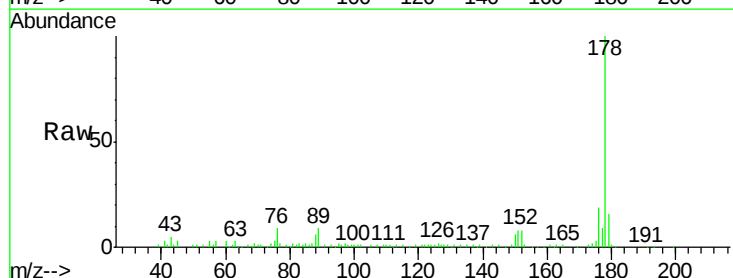
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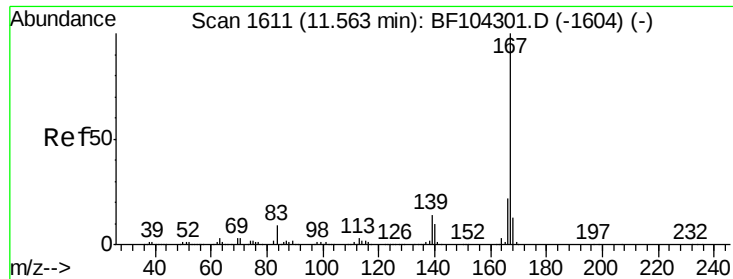
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#71
Anthracene
Concen: 4.881 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.6	12.6	19.0





#72

Carbazole

Concen: 2.865 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.00 min

Lab File: BF104701.D

Acq: 23 Apr 2018 11:34

Instrument :

BNA_F

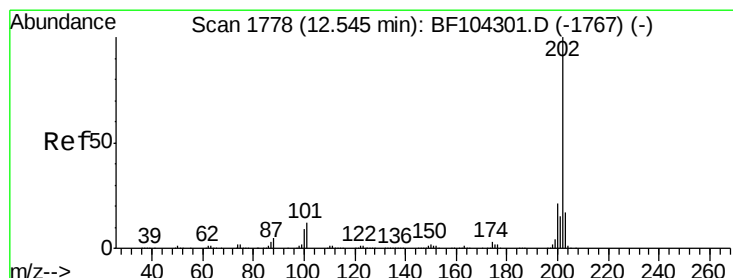
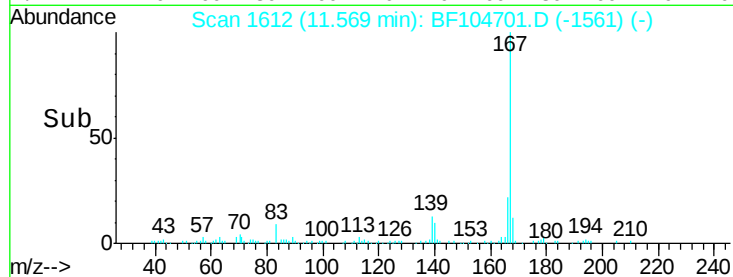
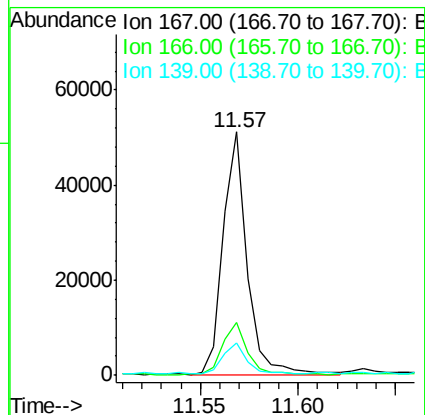
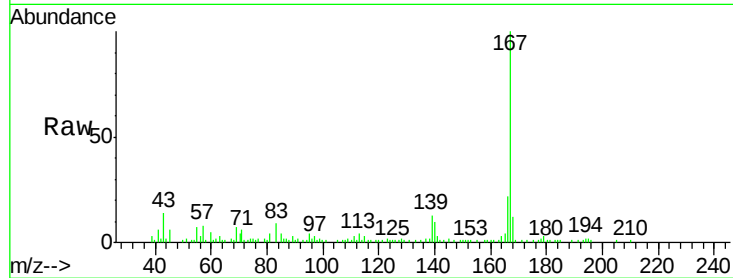
ClientSampleId :

OR-03-042018

Tot Ion:	167	Resp:	44458
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.6	26.4
139	13.2	10.9	16.3

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#74

Fluoranthene

Concen: 23.543 ng

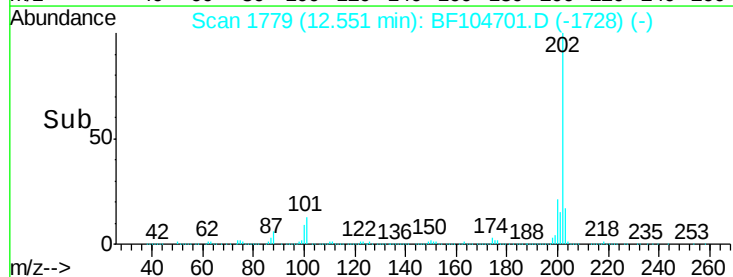
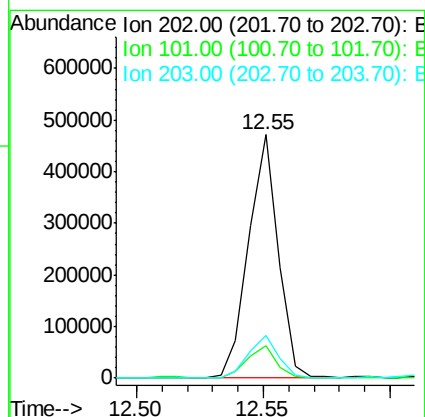
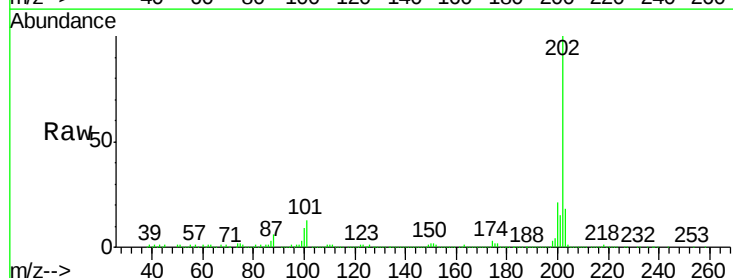
RT: 12.55 min Scan# 1779

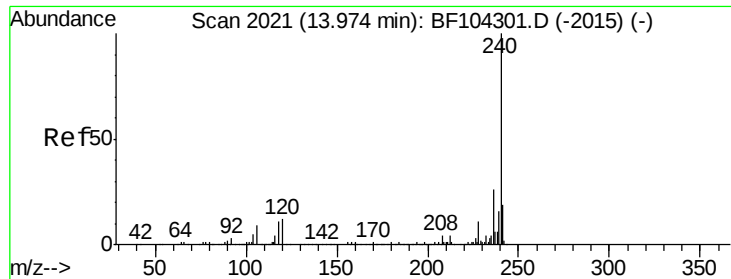
Delta R.T. -0.00 min

Lab File: BF104701.D

Acq: 23 Apr 2018 11:34

Tgt Ion:	202	Resp:	384292
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.1
203	17.5	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: BF104701.D

Acq: 23 Apr 2018 11:34

Instrument :

BNA_F

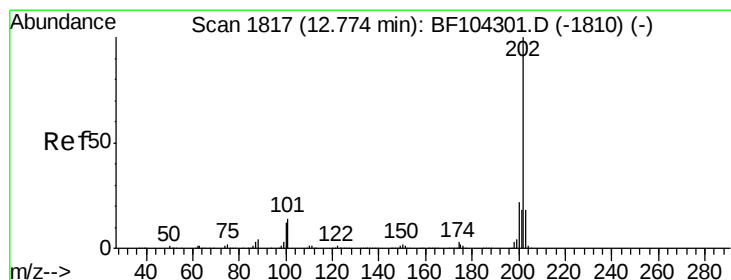
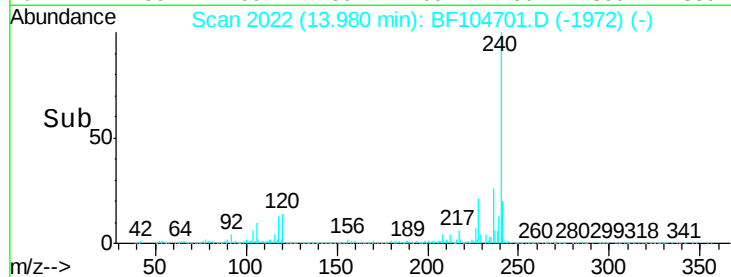
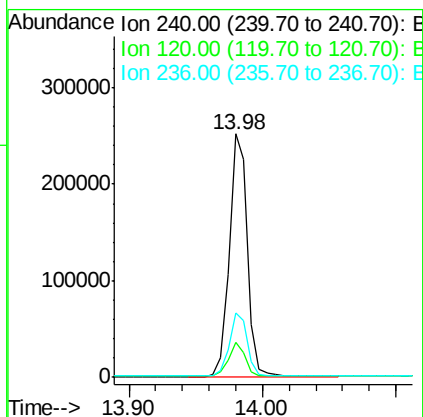
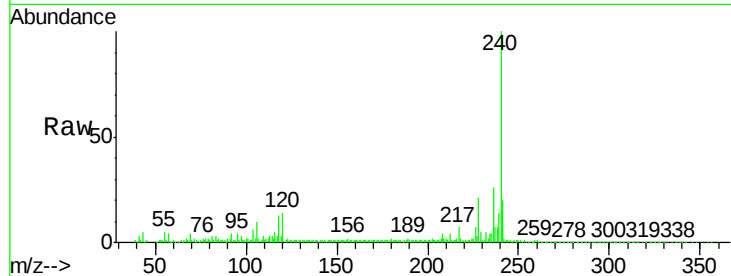
ClientSampleId :

OR-03-042018

Tot Ion:	240	Resp:	237653
Ion Ratio	Lower	Upper	
240	100		
120	14.3	9.5	14.3
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 19.138 ng

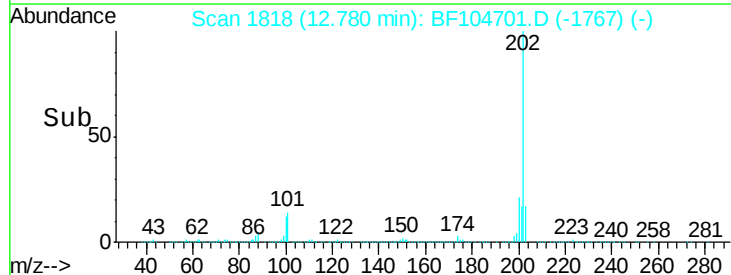
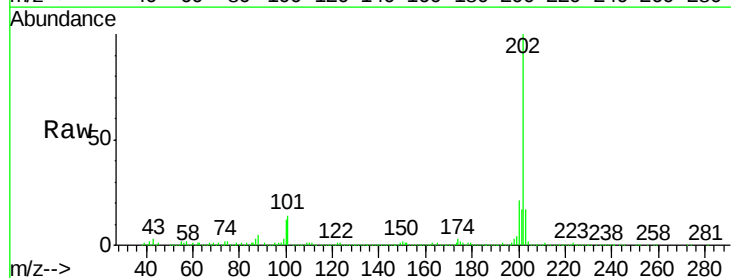
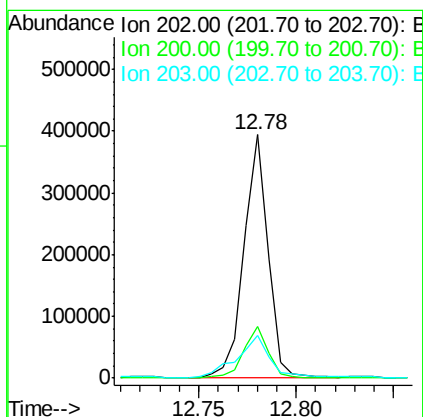
RT: 12.78 min Scan# 1818

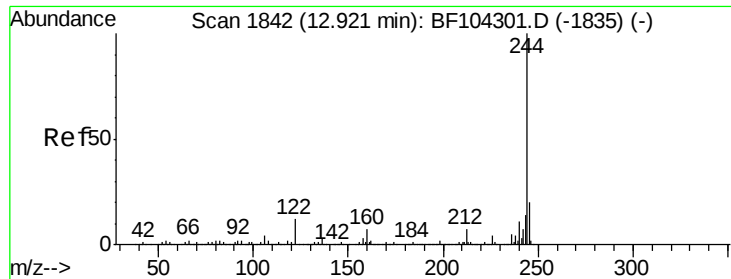
Delta R.T. -0.00 min

Lab File: BF104701.D

Acq: 23 Apr 2018 11:34

Tgt Ion:	202	Resp:	337134
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5





#78

Terphenyl-d14

Concen: 67.087 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104701.D

Acq: 23 Apr 2018 11:34

Instrument :

BNA_F

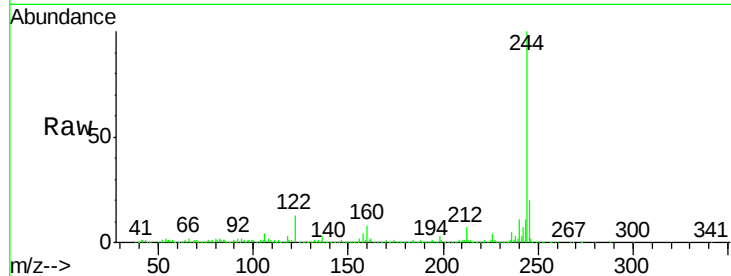
ClientSampled :

OR-03-042018

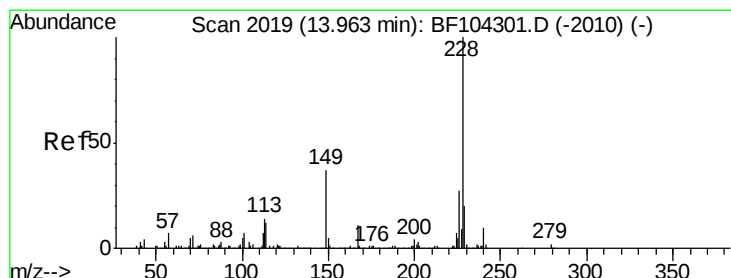
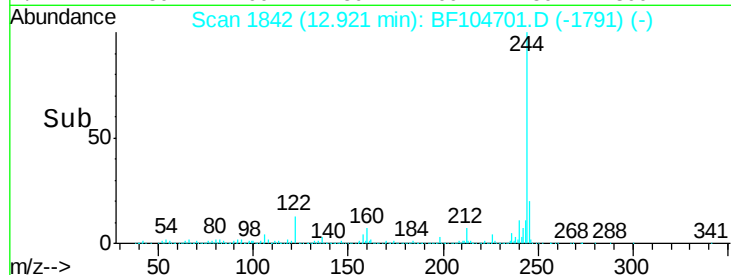
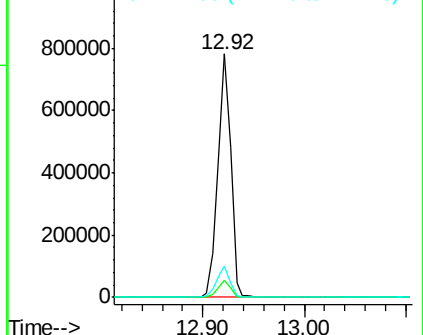
Tot Ion:	244	Resp:	699322
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	12.6	11.0	16.4

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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: 10.427 ng

RT: 13.97 min Scan# 2020

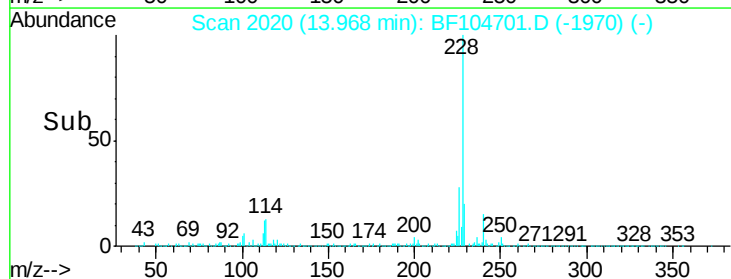
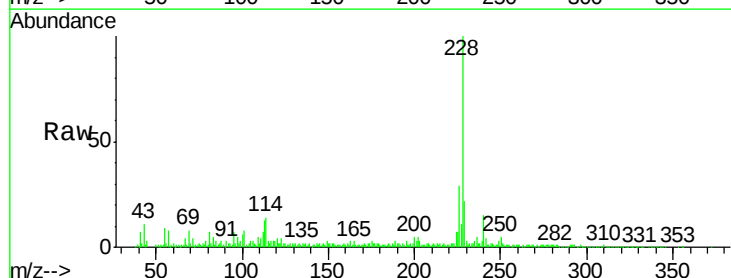
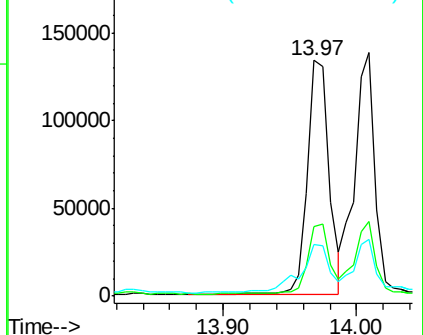
Delta R.T. -0.01 min

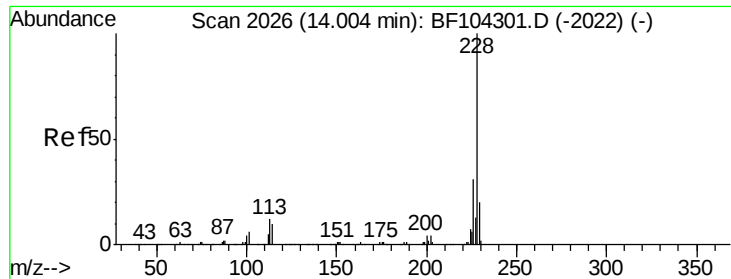
Lab File: BF104701.D

Acq: 23 Apr 2018 11:34

Tgt Ion:	228	Resp:	148045
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.6	33.8
229	21.6	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





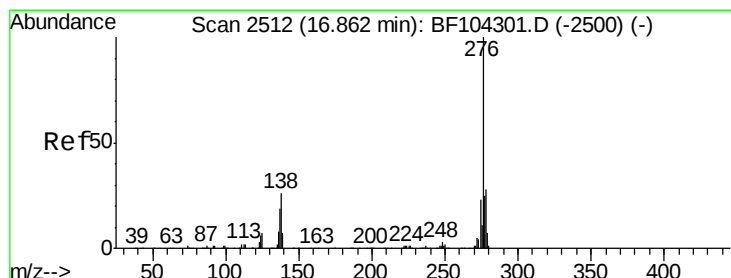
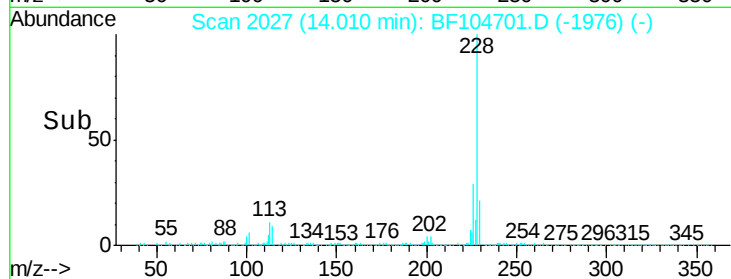
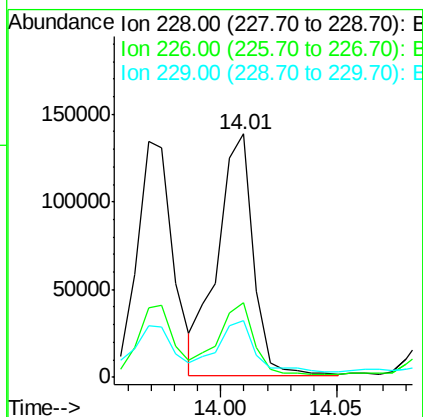
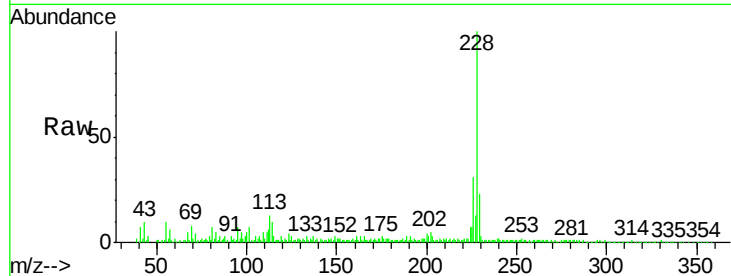
#82
Chrysene
Concen: 10.120 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Instrument :
BNA_F
ClientSampleId :
OR-03-042018

Tot Ion:	228	Resp:	147582
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	23.1	16.2	24.4

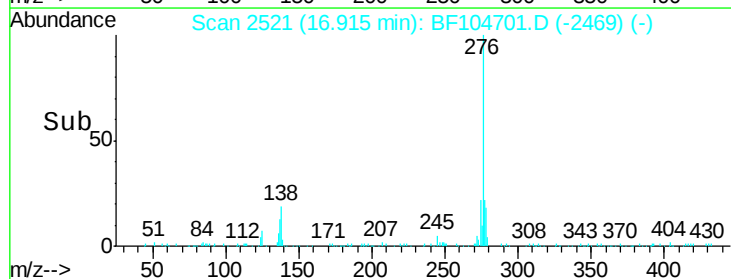
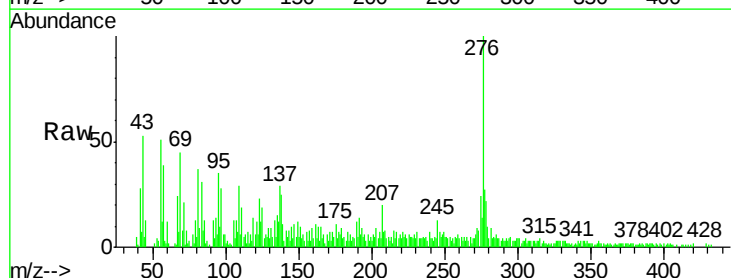
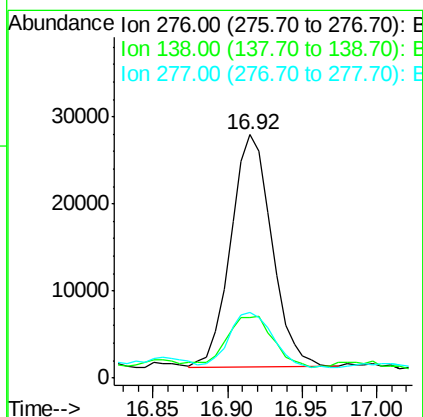
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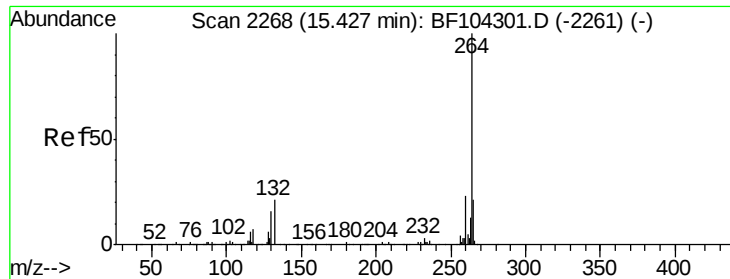
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.134 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Tgt Ion:	276	Resp:	51210
Ion Ratio	Lower	Upper	
276	100		
138	25.2	25.0	37.6
277	24.9	20.1	30.1





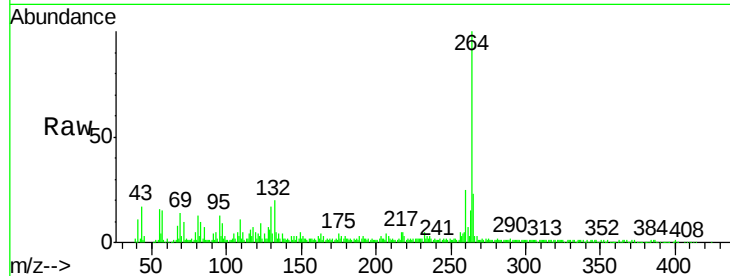
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Instrument :
BNA_F
ClientSampleId :
OR-03-042018

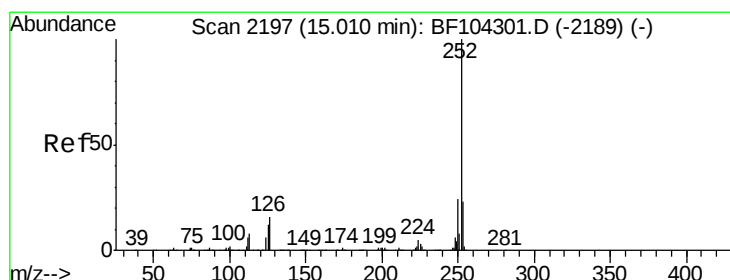
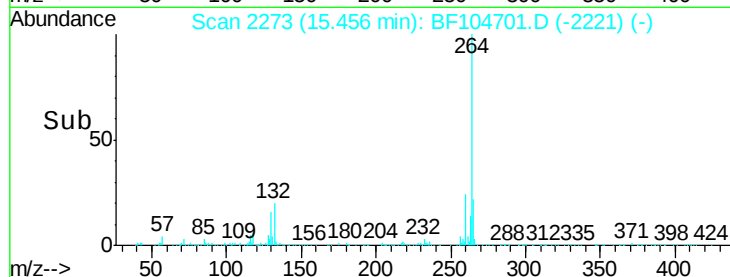
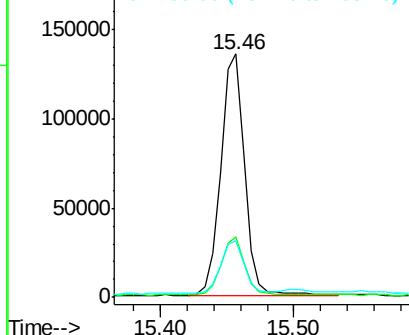
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.2	17.5	26.3

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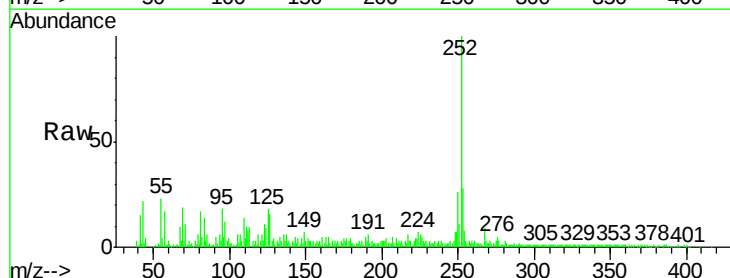


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

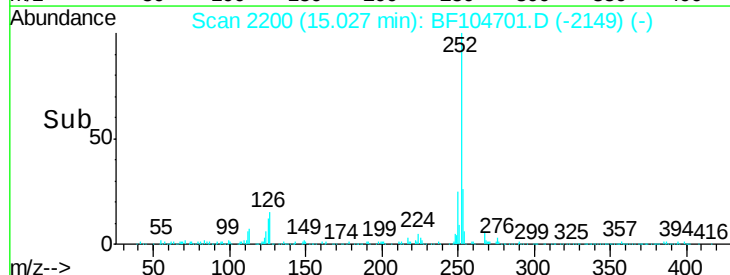
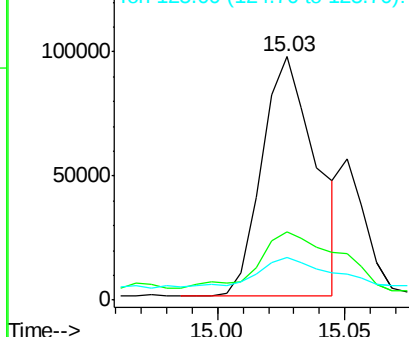


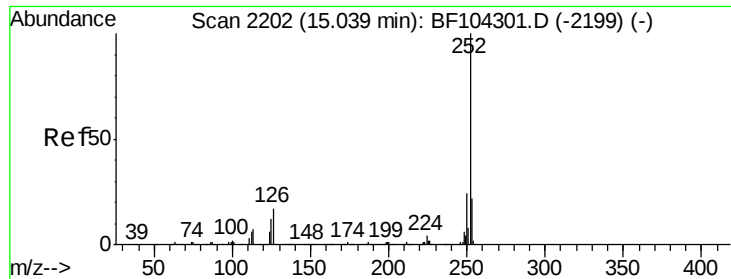
#87
Benzo(b)fluoranthene
Concen: 13.192 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.0	25.6#
125	17.6	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





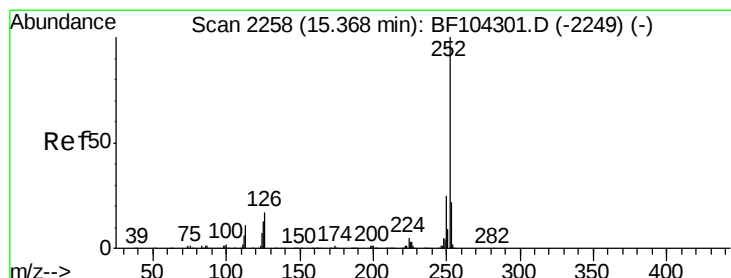
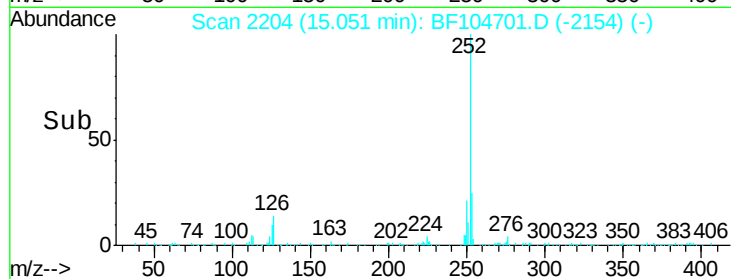
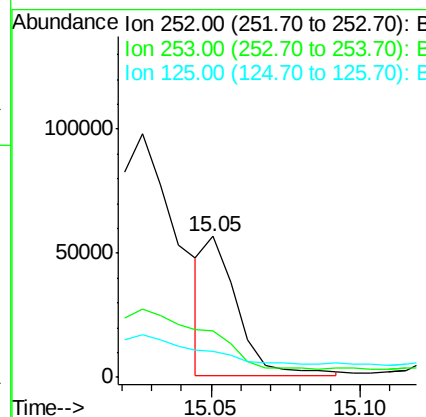
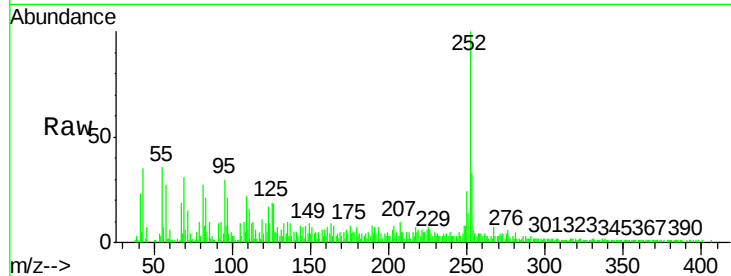
#88
Benzo(k)fluoranthene
Concen: 4.174 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Instrument :
BNA_F
ClientSampleId :
OR-03-042018

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.3	17.9	26.9#
125	18.9	10.2	15.2#

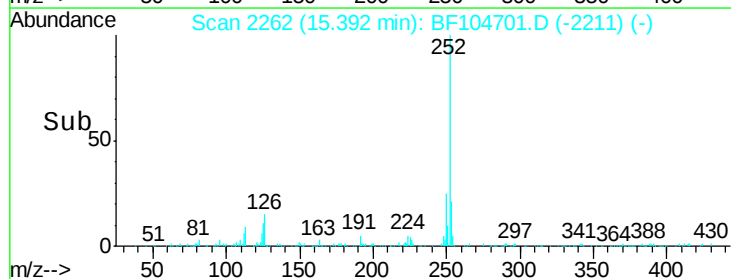
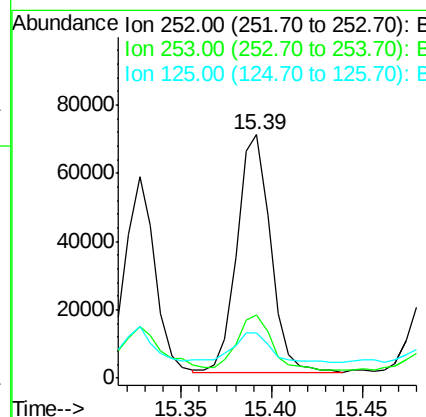
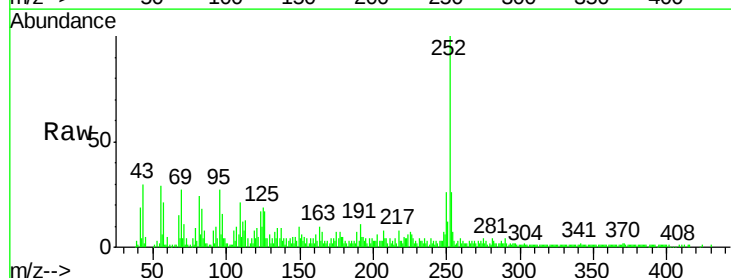
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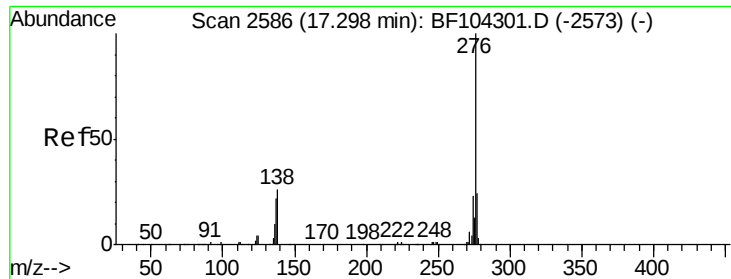
Sohil
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#89
Benzo(a)pyrene
Concen: 9.337 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF104701.D
Acq: 23 Apr 2018 11:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	18.8	9.8	14.6#





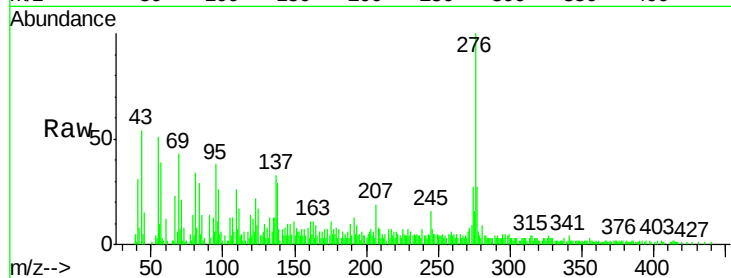
#91
 Benzo(a,h,i)perylene
 Concen: 7.030 ng
 RT: 17.36 min Scan# 2597
 Delta R.T. 0.01 min
 Lab File: BF104701.D
 Acq: 23 Apr 2018 11:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042018

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9#
138	29.2	21.8	32.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

