

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104722.D
 Acq On : 23 Apr 2018 20:55
 Operator : JU/SJ
 Sample : J2503-05RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-47184RTRE

Manual Integrations
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Sohil
 4/24/2018 3:49:02 PM

Quant Time: Apr 24 10:06:11 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	6.81	152	99682	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	379380	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	153778	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	263223	20.00	ng	0.00
75) Chrysene-d12	13.99	240	165402	20.00	ng	0.00
86) Perylene-d12	15.46	264	126018	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	610499	93.65	ng	0.02
7) Phenol-d6	6.45	99	716638	89.47	ng	0.00
23) Nitrobenzene-d5	7.37	82	384221	66.13	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	142351	89.24	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	630909	64.81	ng	0.00
78) Terphenyl-d14	12.93	244	491466	67.74	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	55156	4.548	ng	99
51) Acenaphthene	9.88	154	20137	2.062	ng	97
57) Fluorene	10.40	166	29842	3.012	ng	99
70) Phenanthrene	11.36	178	548551	37.422	ng	98
71) Anthracene	11.42	178	146995	9.865	ng	99
72) Carbazole	11.57	167	74904	5.144	ng	99
74) Fluoranthene	12.56	202	962328	62.833	ng	98
77) Pyrene	12.79	202	828522	67.578	ng	100
80) Benzo(a)anthracene	13.98	228	412518	41.747	ng	99
82) Chrysene	14.02	228	344115	33.904	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	142866m	16.570	ng	
87) Benzo(b)fluoranthene	15.04	252	386361m	48.543	ng	
88) Benzo(k)fluoranthene	15.06	252	107571m	14.316	ng	
89) Benzo(a)pyrene	15.40	252	245224	34.435	ng	96
90) Dibenzo(a,h)anthracene	16.94	278	35220	6.022	ng	# 89
91) Benzo(g,h,i)perylene	17.38	276	130548	23.038	ng	96

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

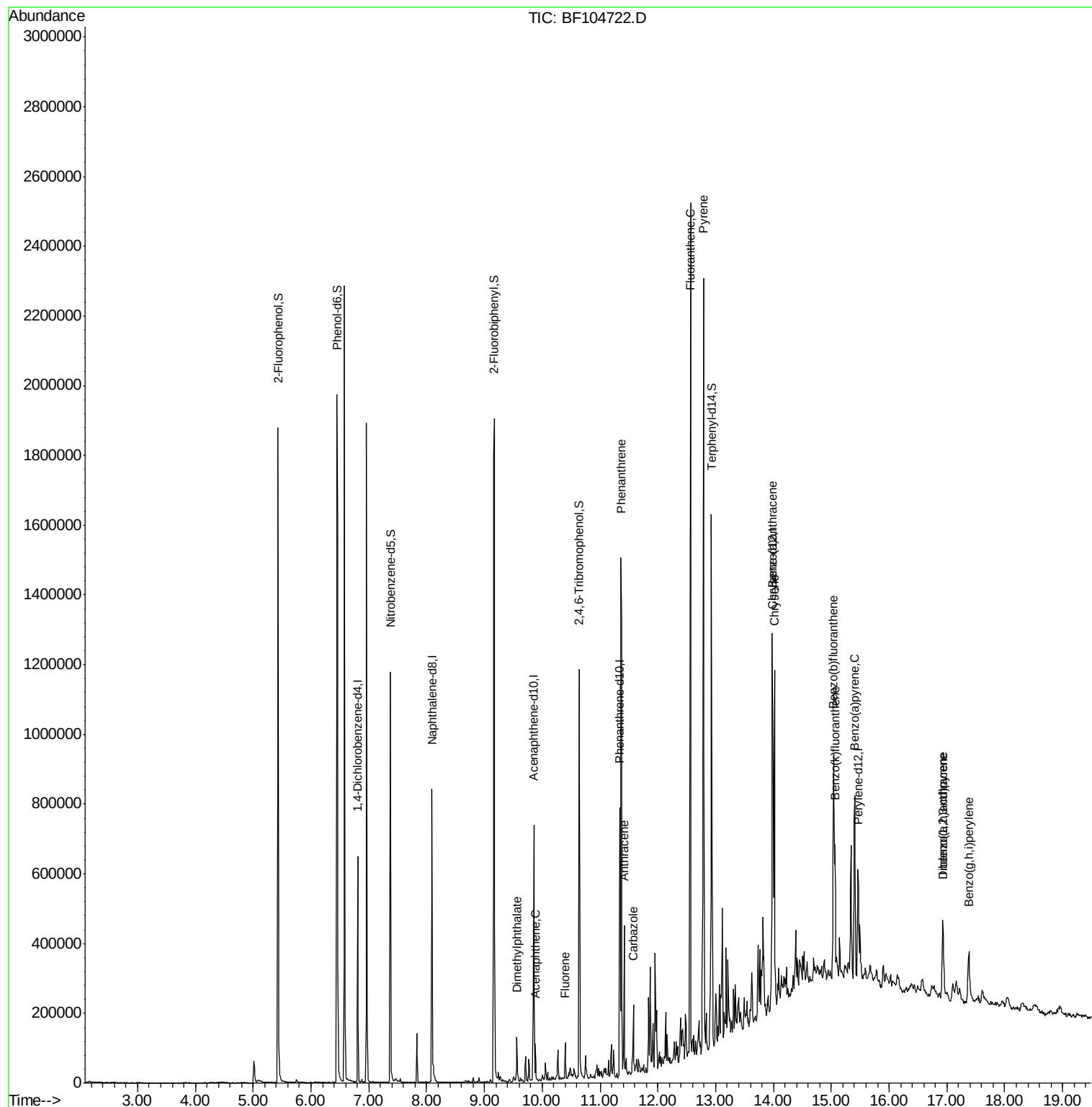
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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ALS Vial : 25 Sample Multiplier: 1

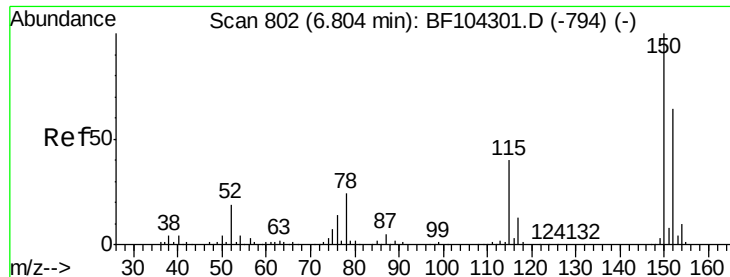
Instrument :
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#1

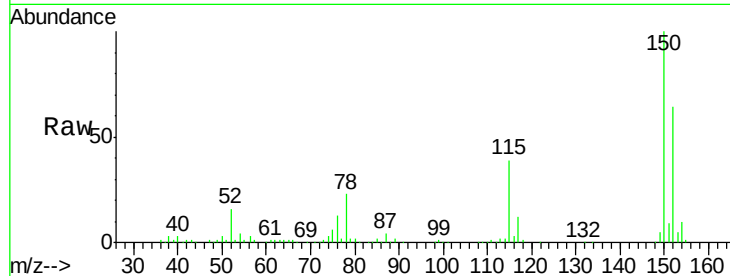
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :
RBR-47184RTRE

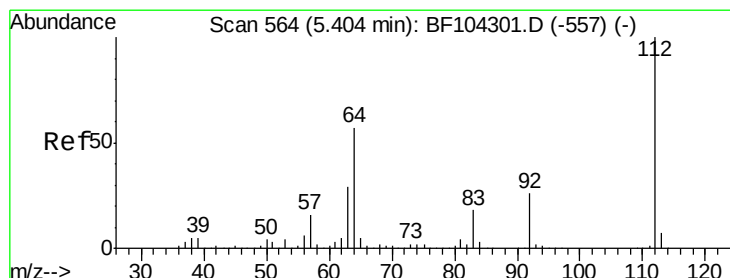
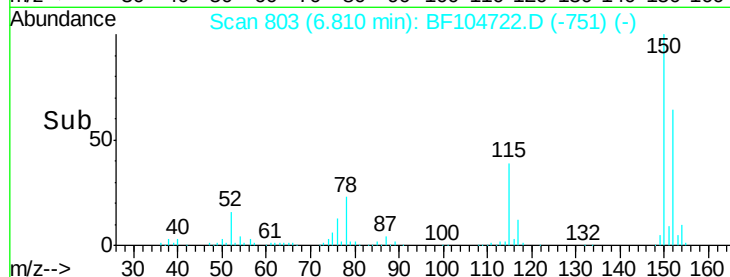
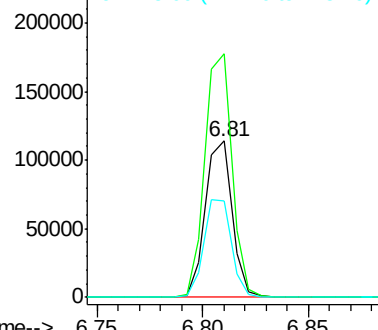
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	61.3	50.1	75.1

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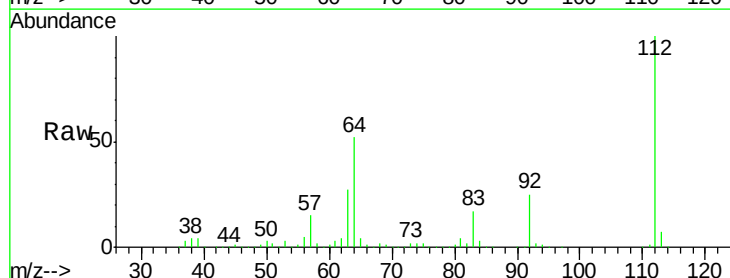
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



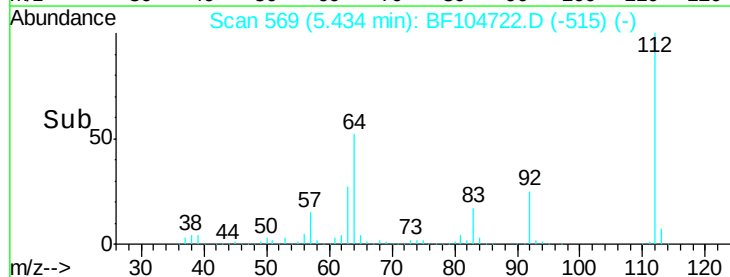
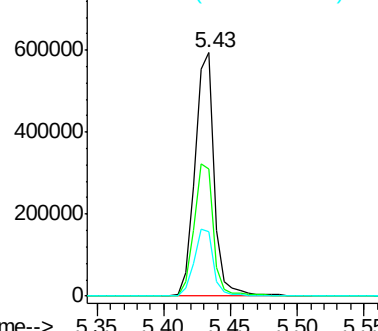
#5

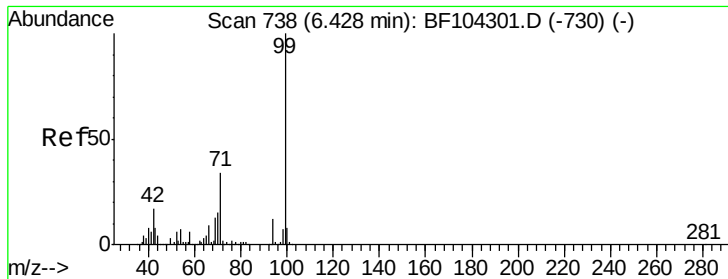
2-Fluorophenol
Concen: 93.647 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	47.9	71.9
63	26.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 89.468 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104722.D

Acq: 23 Apr 2018 20:55

Instrument :

BNA_F

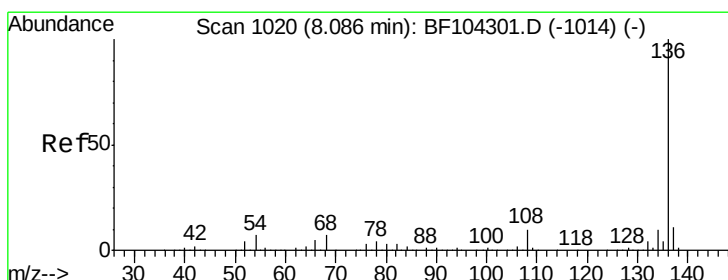
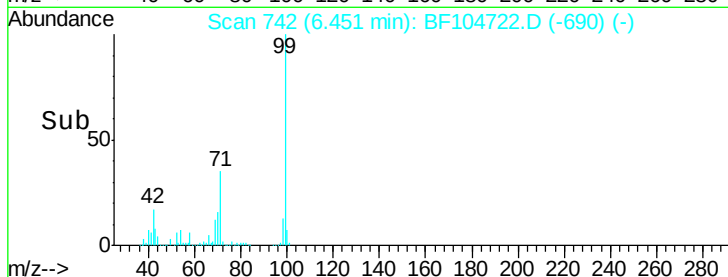
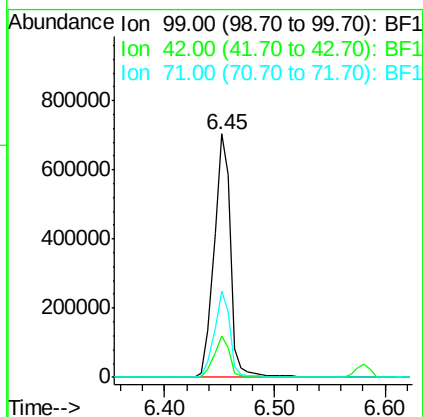
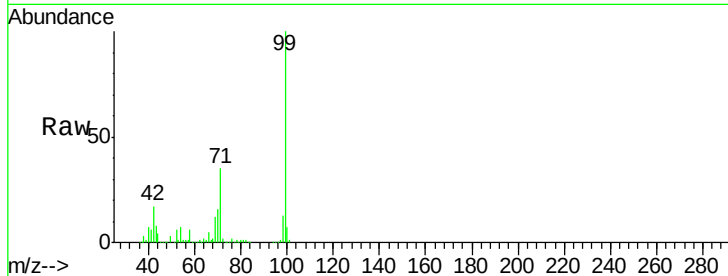
ClientSampleId :

RBR-47184RTRE

Tot Ion:	99	Resp:	716638
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.5	21.7
71	35.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

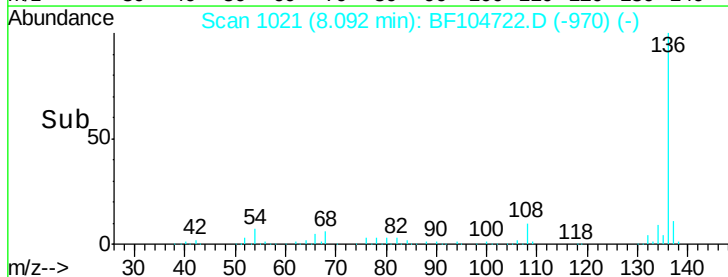
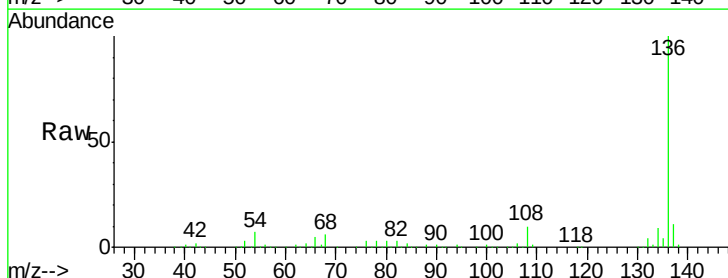
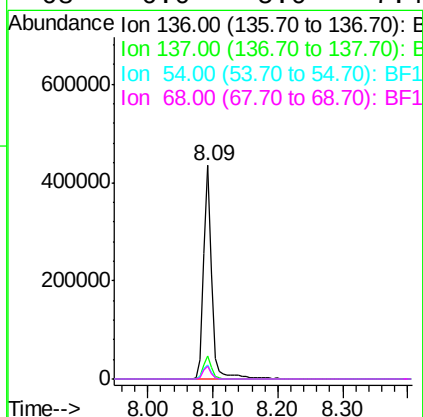
RT: 8.09 min Scan# 1021

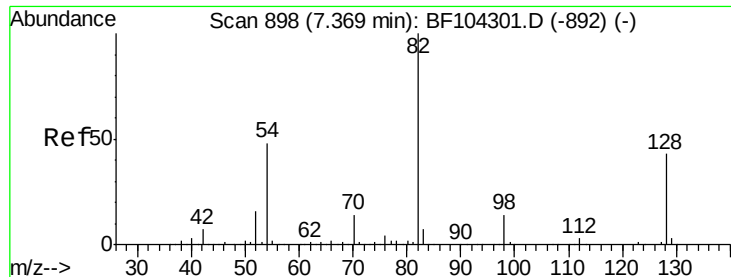
Delta R.T. -0.00 min

Lab File: BF104722.D

Acq: 23 Apr 2018 20:55

Tgt Ion:	136	Resp:	379380
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	6.0	5.0	7.4





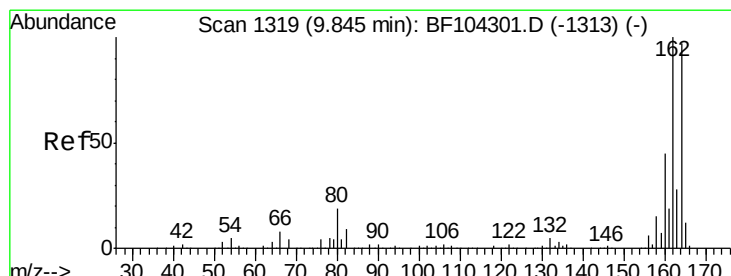
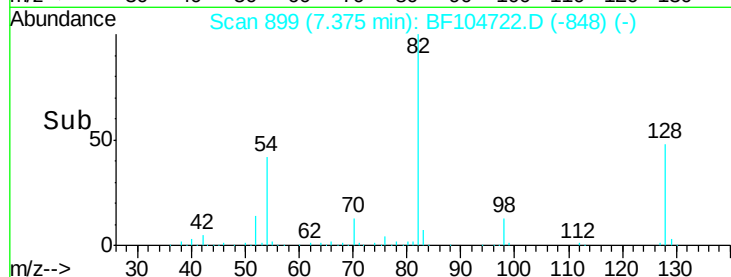
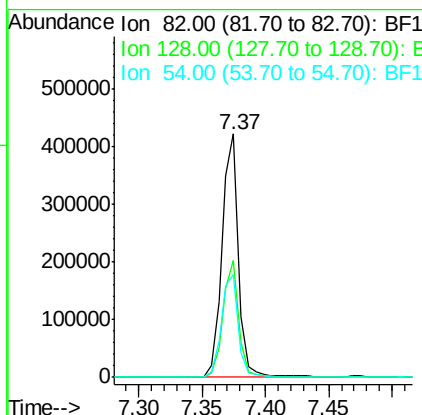
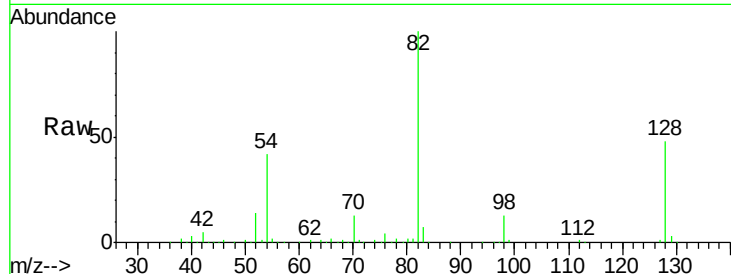
#23
 Nitrobenzene-d5
 Concen: 66.131 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104722.D
 Acq: 23 Apr 2018 20:55

Instrument :
 BNA_F
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 RBR-47184RTRE

Tot Ion	82	Resp	384221
Ion Ratio	100	Lower	Upper
128	48.1	36.1	54.1
54	42.5	41.4	62.2

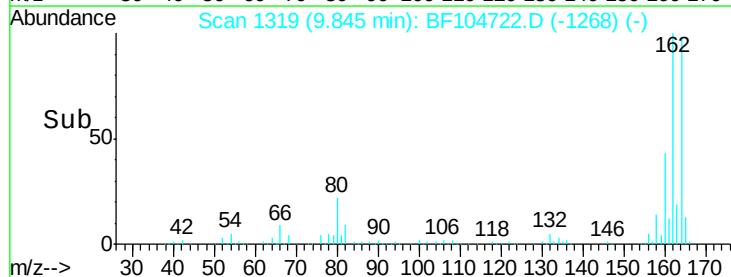
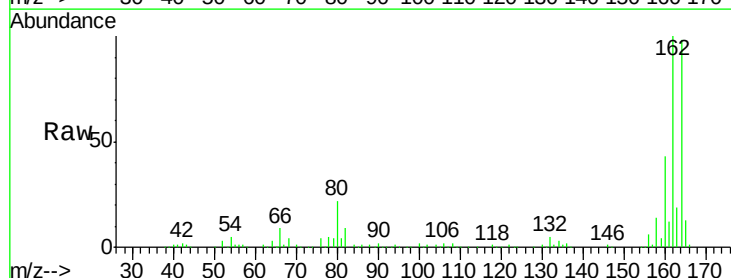
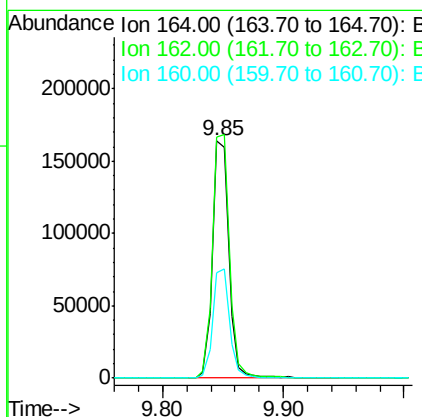
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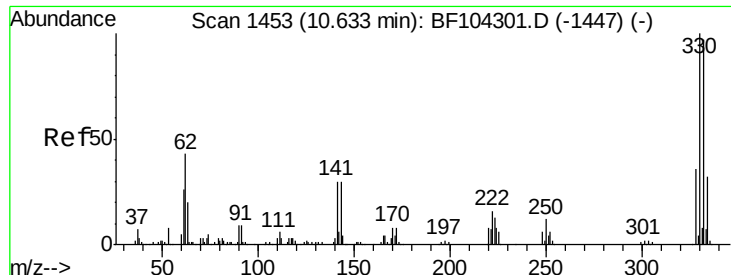
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104722.D
 Acq: 23 Apr 2018 20:55

Tgt Ion	164	Resp	153778
Ion Ratio	100	Lower	Upper
162	101.8	86.1	129.1
160	44.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 89.238 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104722.D

Acq: 23 Apr 2018 20:55

Instrument :

BNA_F

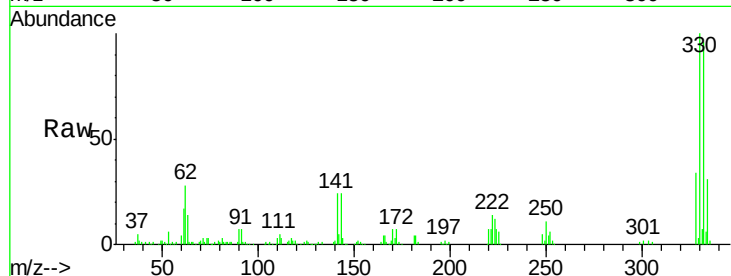
ClientSampleId :

RBR-47184RTRE

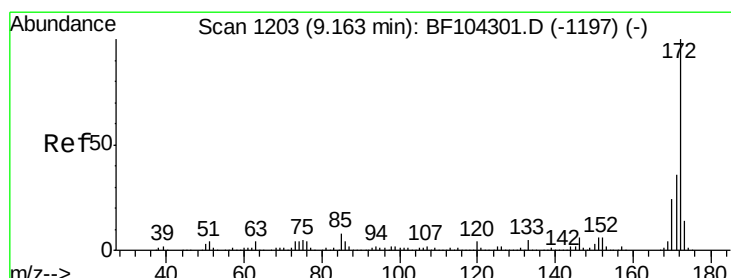
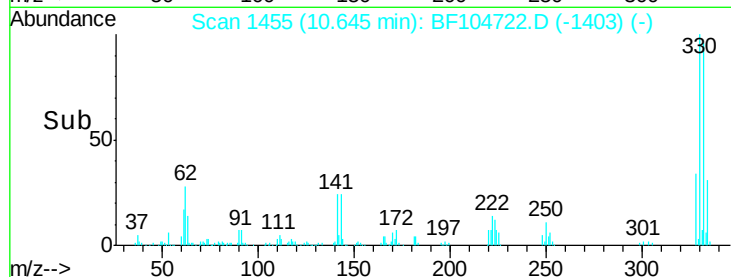
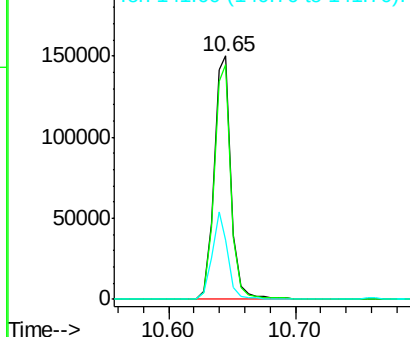
Tot Ion:	330	Resp:	142351
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.0	115.6
141	33.2	29.9	44.9

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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: 64.813 ng

RT: 9.17 min Scan# 1204

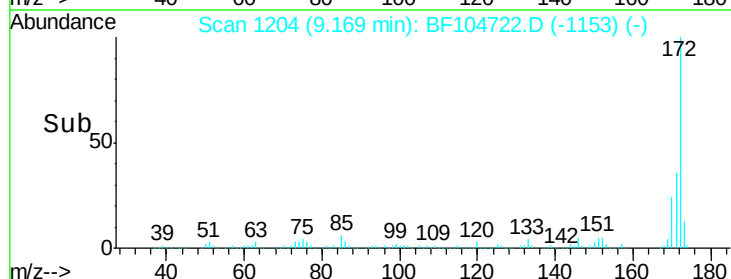
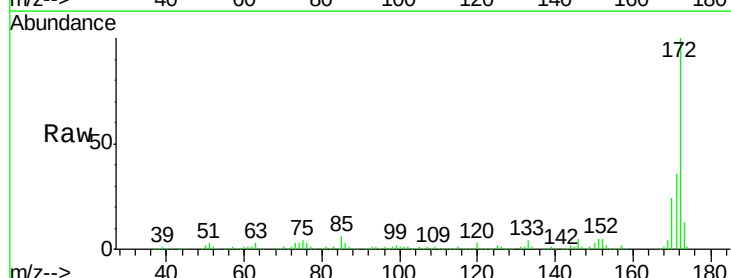
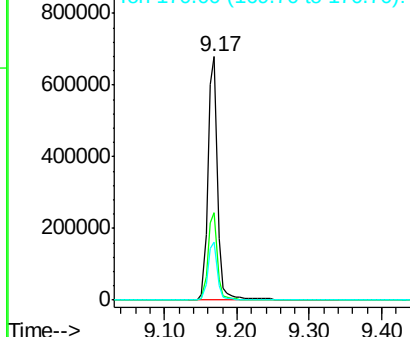
Delta R.T. -0.00 min

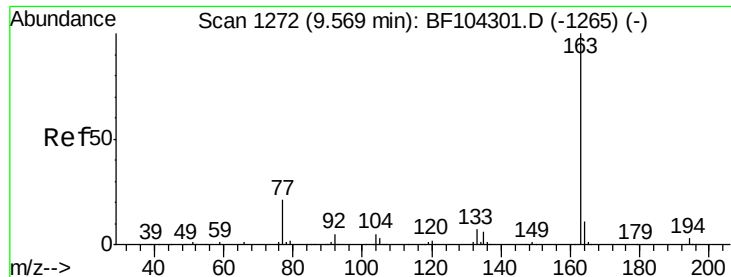
Lab File: BF104722.D

Acq: 23 Apr 2018 20:55

Tgt Ion:	172	Resp:	630909
Ion Ratio	Lower	Upper	
172	100		
171	35.7	29.7	44.5
170	23.6	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





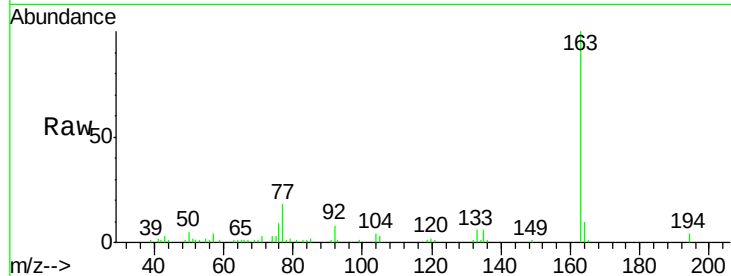
#49
Dimethylphthalate
Concen: 4.548 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :
RBR-47184RTRE

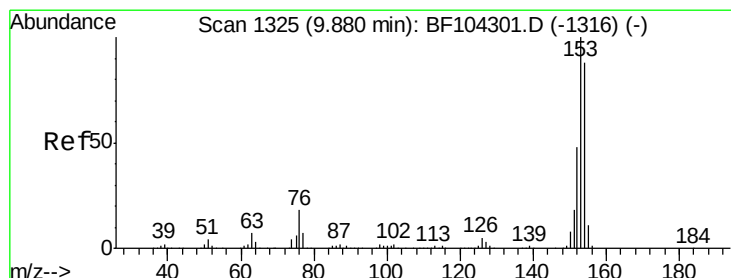
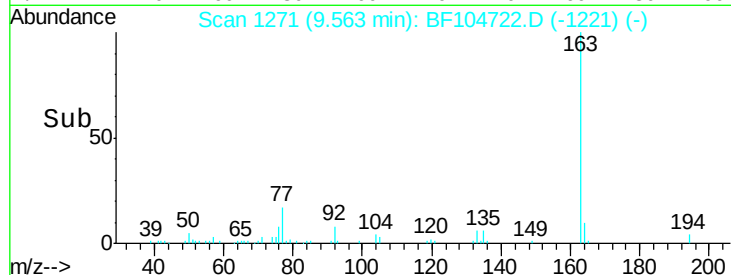
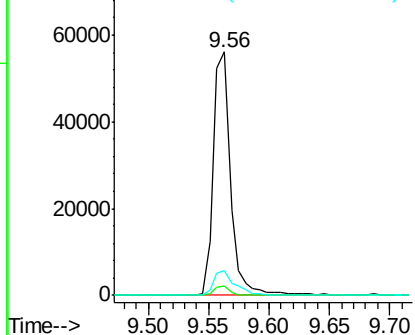
Tot Ion	Ratio	Resp	Lower	Upper
163	100	55156		
194	4.0		2.7	4.1
164	10.1		8.2	12.2

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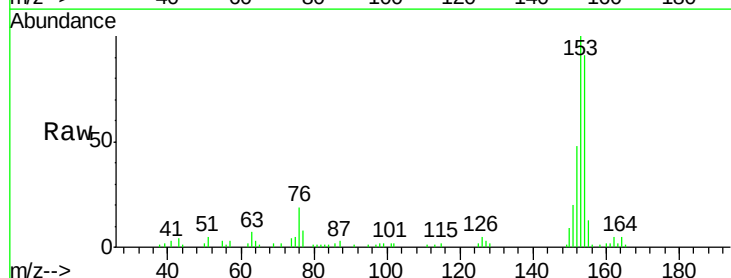


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

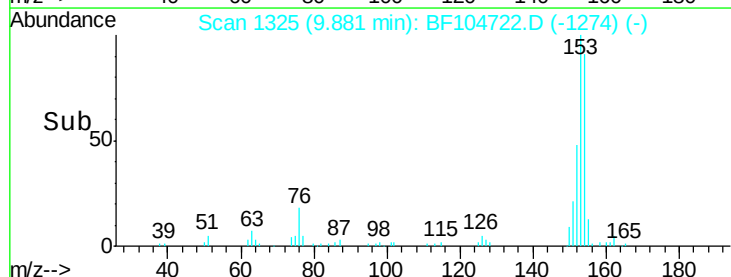
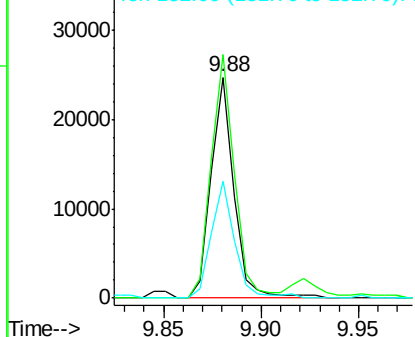


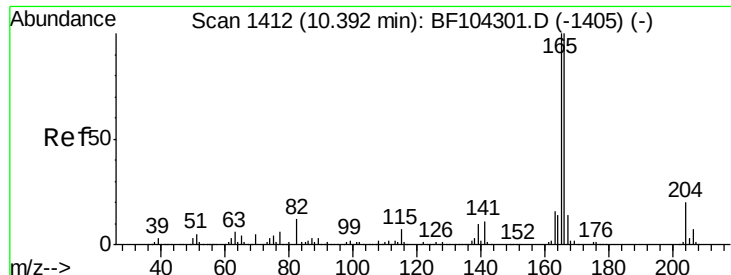
#51
Acenaphthene
Concen: 2.062 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	20137		
153	110.2		91.2	136.8
152	53.0		43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





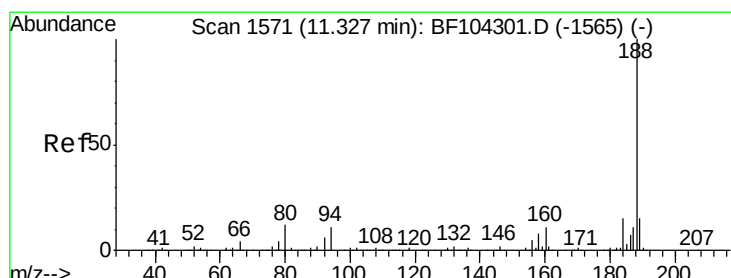
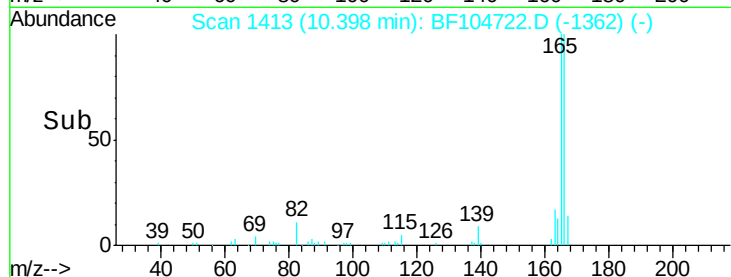
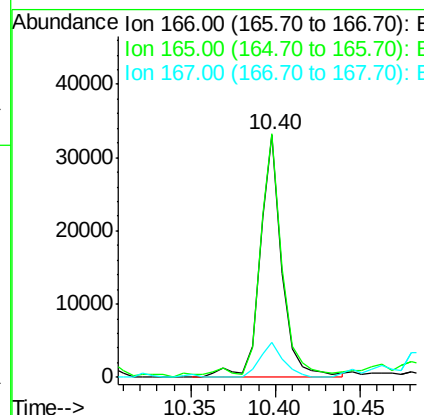
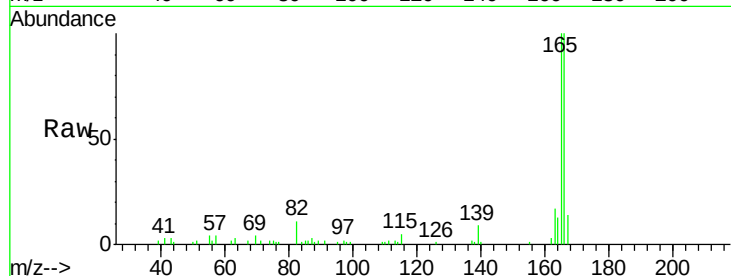
#57
 Fluorene
 Concen: 3.012 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF104722.D
 Acq: 23 Apr 2018 20:55

Instrument :
 BNA_F
 ClientSampleId :
 RBR-47184RTRE

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	14.5	10.6	16.0

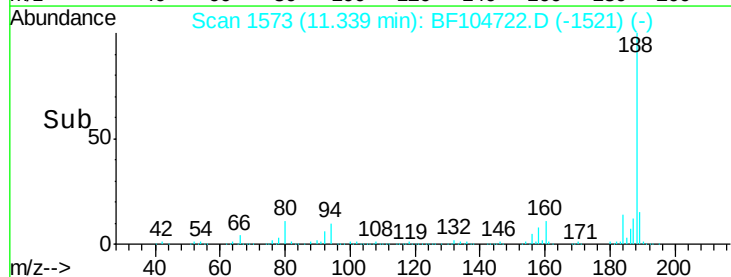
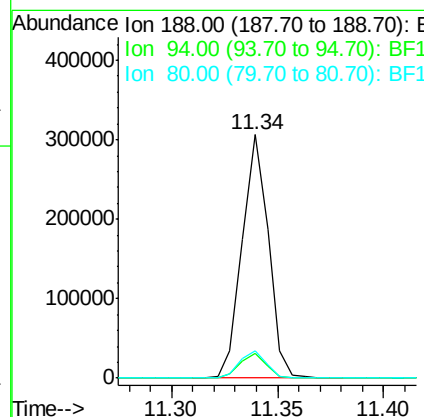
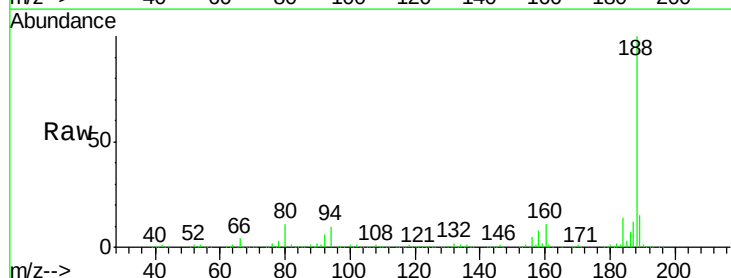
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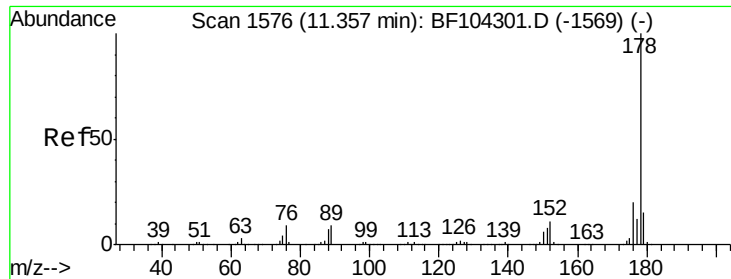
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104722.D
 Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.2	9.2	13.8





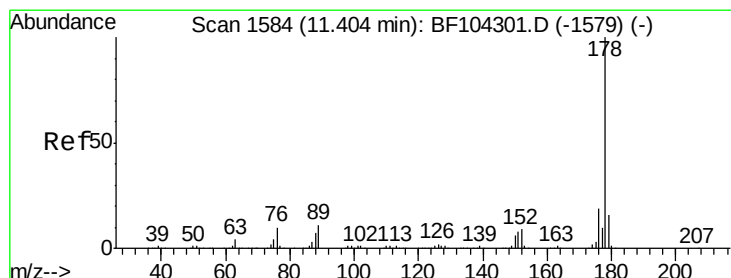
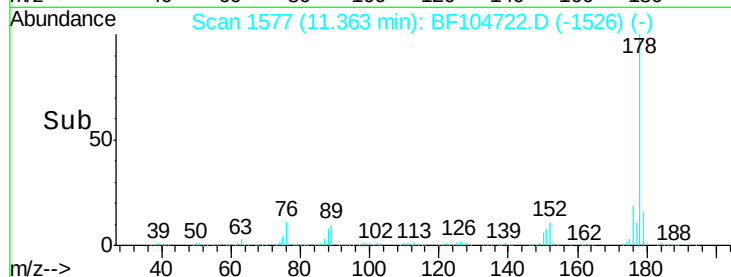
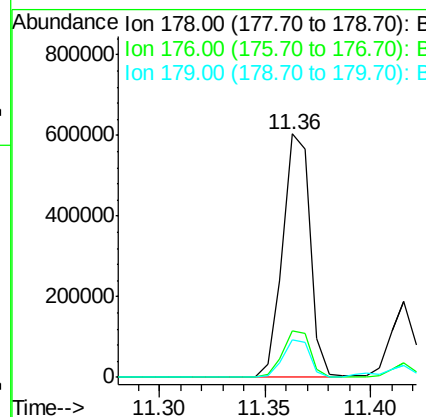
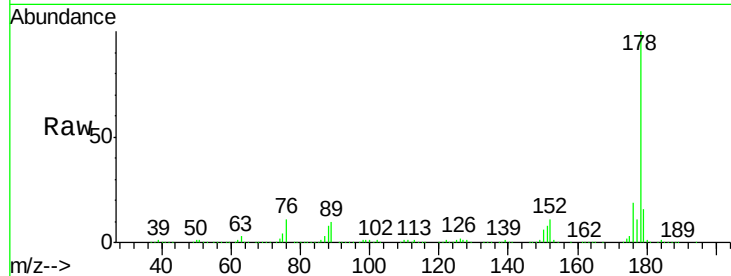
#70
Phenanthrene
Concen: 37.422 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :
RBR-47184RTRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.6	13.0	19.6

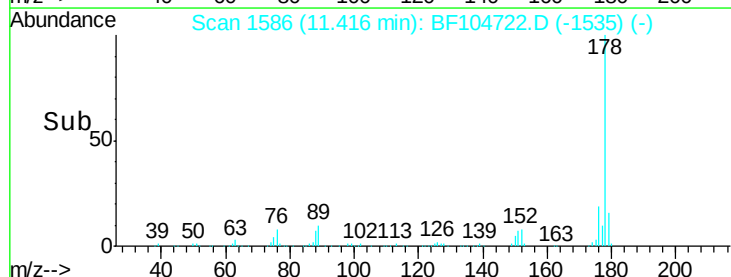
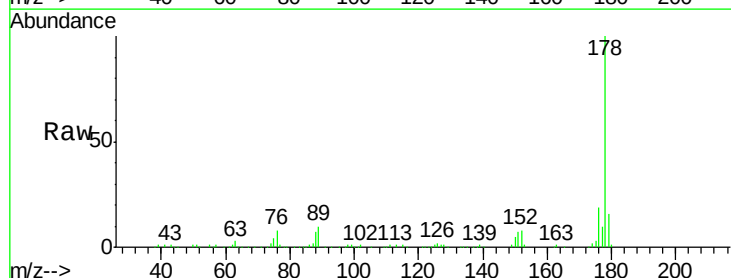
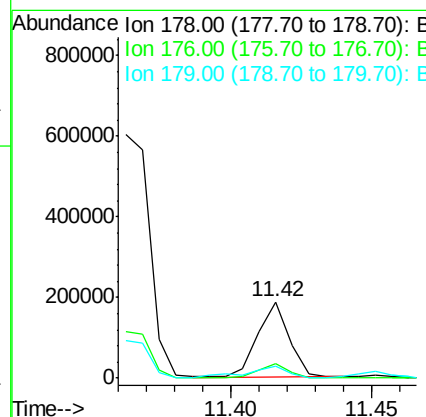
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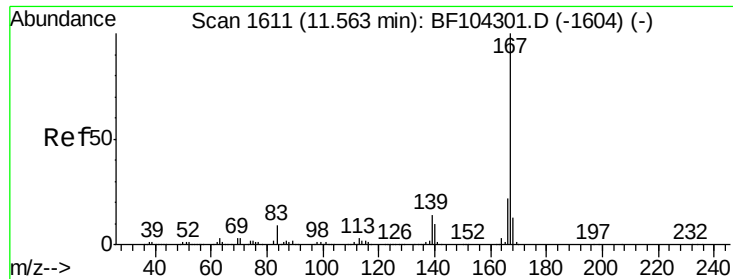
Sohil
4/24/2018 3:49:02 PM



#71
Anthracene
Concen: 9.865 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.5	12.6	19.0





#72

Carbazole

Concen: 5.144 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BF104722.D

Acq: 23 Apr 2018 20:55

Instrument :

BNA_F

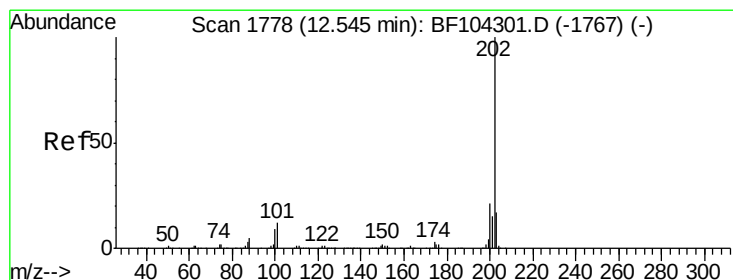
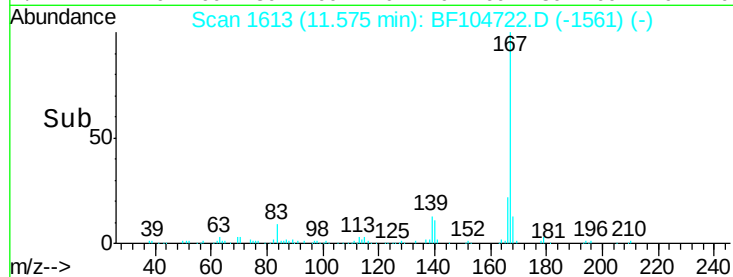
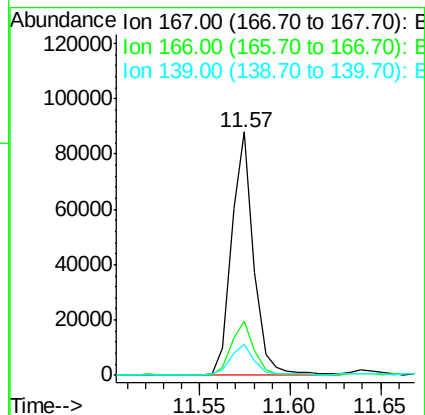
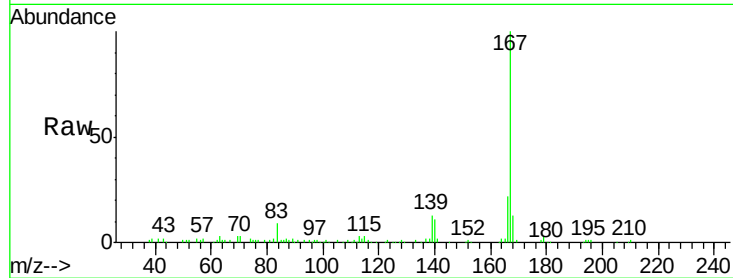
ClientSampleId :

RBR-47184RTRE

Tot Ion:	167	Resp:	74904
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.6	26.4
139	12.9	10.9	16.3

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#74

Fluoranthene

Concen: 62.833 ng

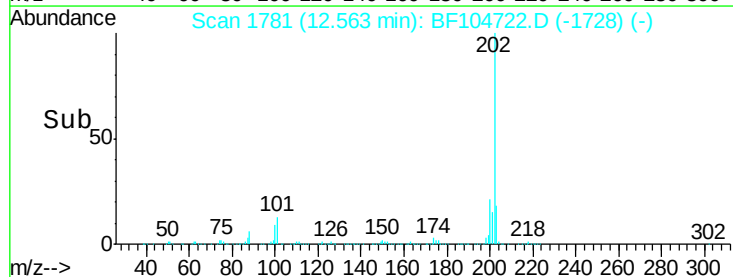
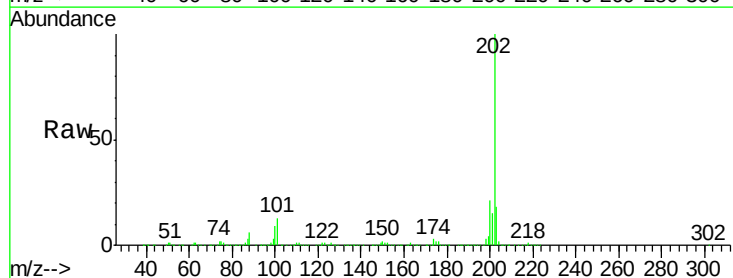
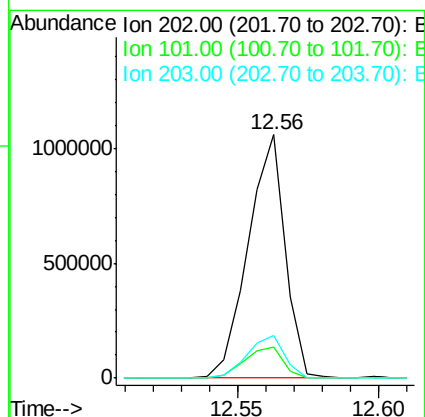
RT: 12.56 min Scan# 1781

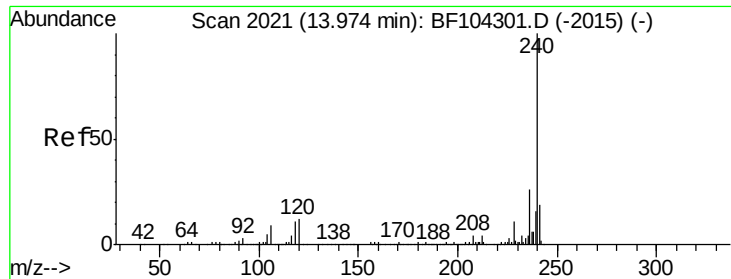
Delta R.T. 0.01 min

Lab File: BF104722.D

Acq: 23 Apr 2018 20:55

Tgt Ion:	202	Resp:	962328
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104722.D

Acq: 23 Apr 2018 20:55

Instrument :

BNA_F

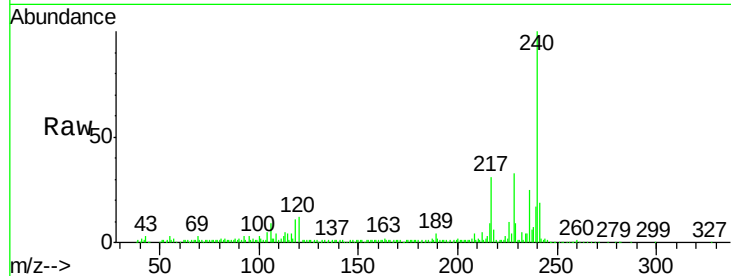
ClientSampleId :

RBR-47184RTRE

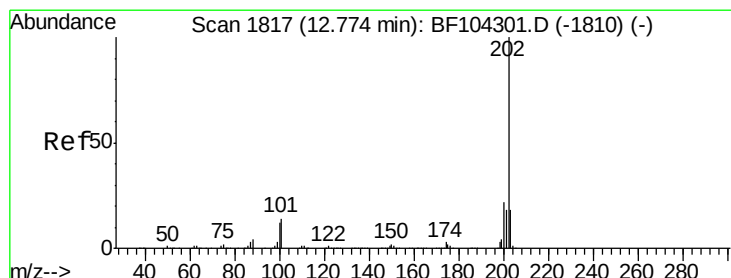
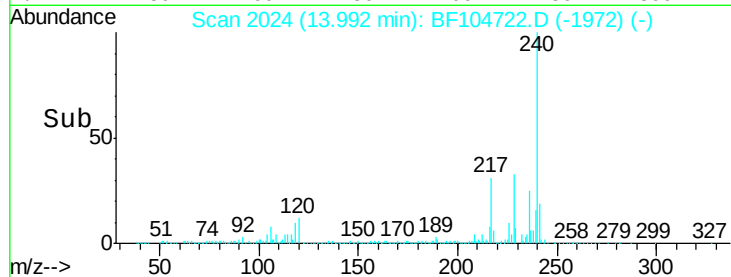
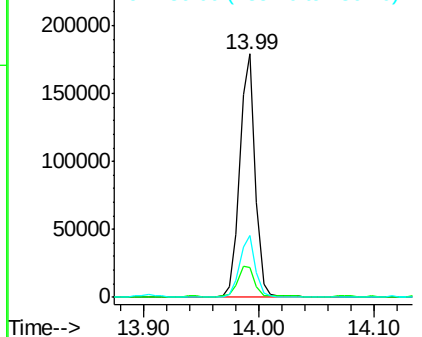
Tot Ion:	240	Resp:	165402
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	25.4	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 67.578 ng

RT: 12.79 min Scan# 1820

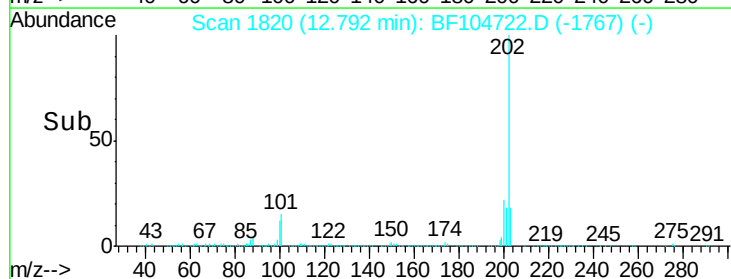
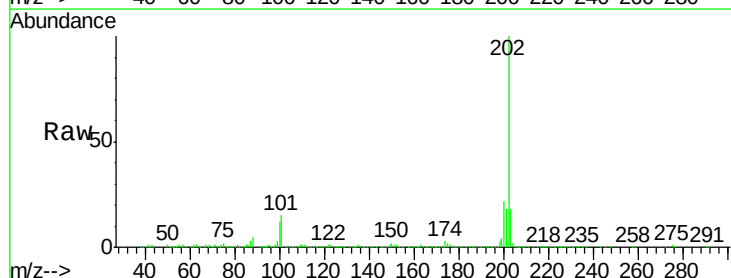
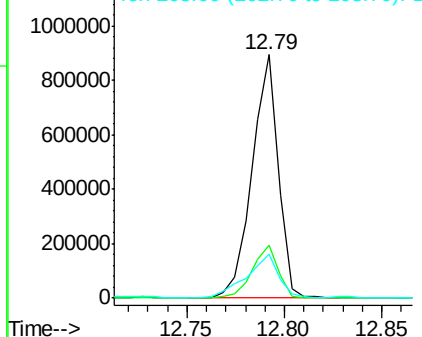
Delta R.T. 0.01 min

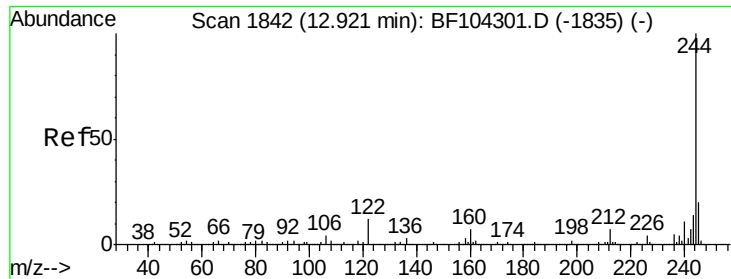
Lab File: BF104722.D

Acq: 23 Apr 2018 20:55

Tgt Ion:	202	Resp:	828522
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.9	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





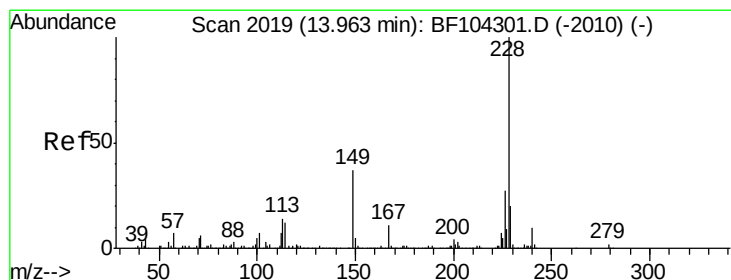
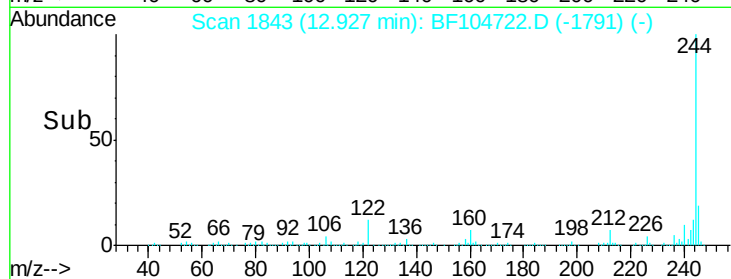
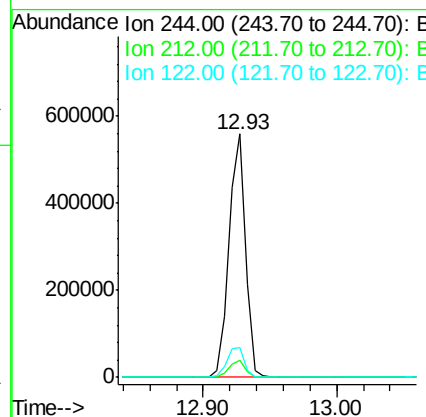
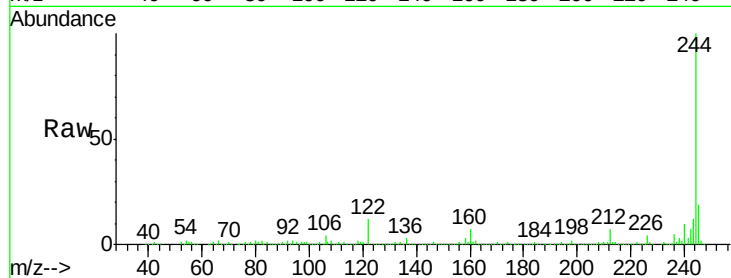
#78
 Terphenyl-d14
 Concen: 67.742 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104722.D
 Acq: 23 Apr 2018 20:55

Instrument :
 BNA_F
 ClientSampleId :
 RBR-47184RTRE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.3	11.0	16.4

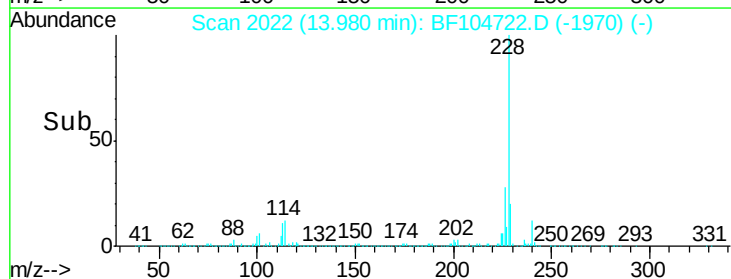
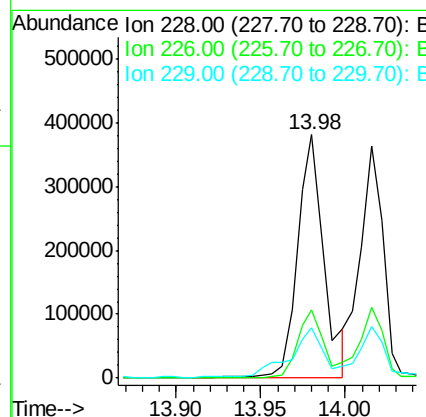
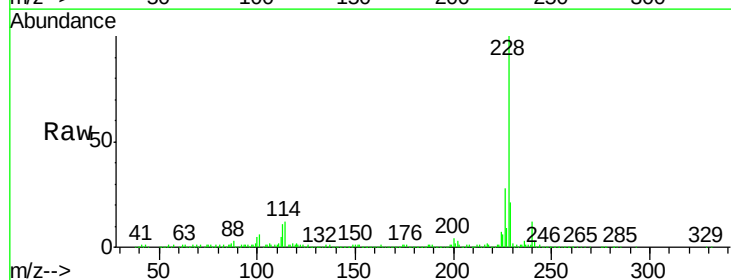
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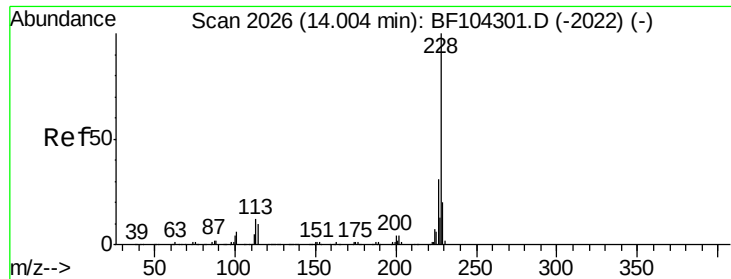
Sohil
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#80
 Benzo(a)anthracene
 Concen: 41.747 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF104722.D
 Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.6	15.8	23.6





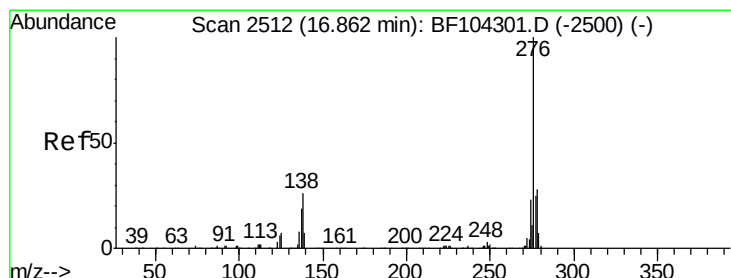
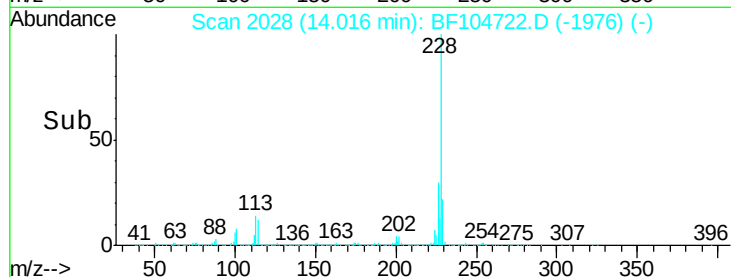
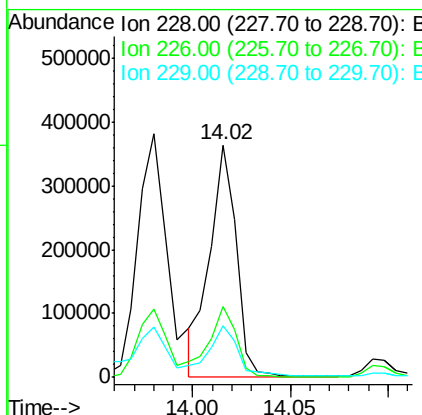
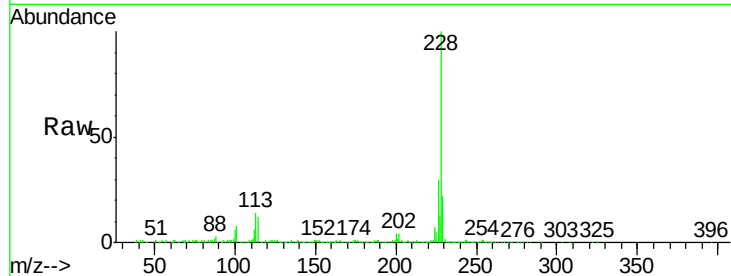
#82
Chrysene
Concen: 33.904 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :
RBR-47184RTRE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.4	16.2	24.4

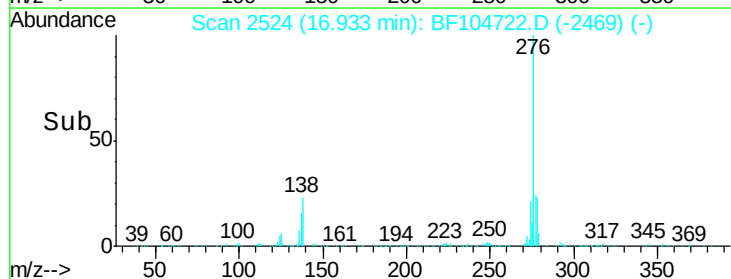
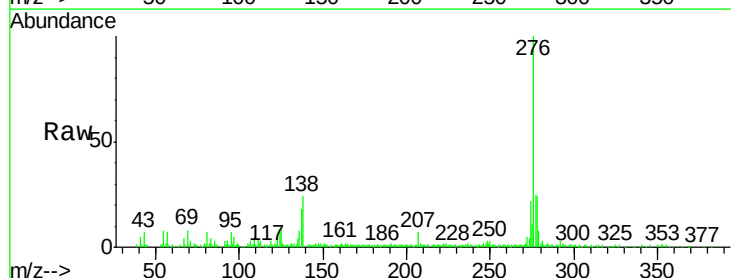
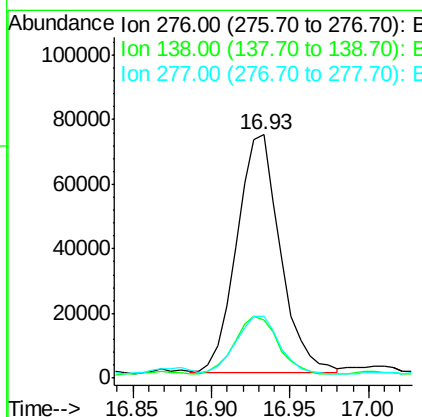
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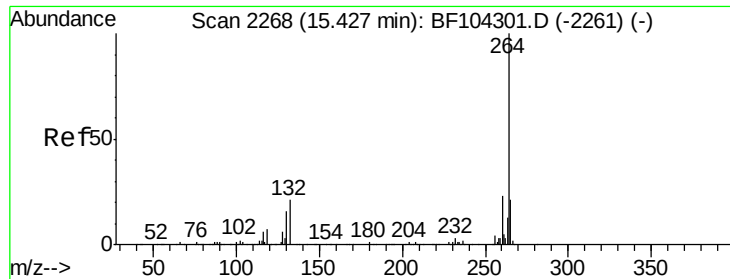
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 16.570 ng m
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.4	25.0	37.6#
277	5.1	20.1	30.1#





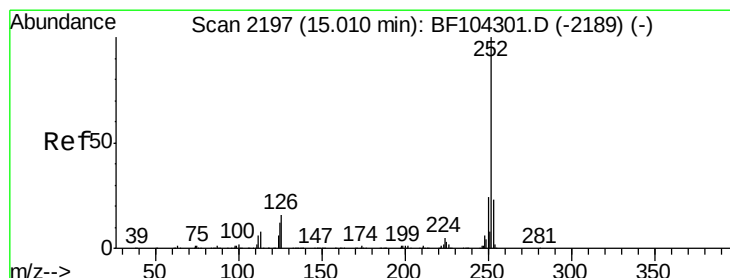
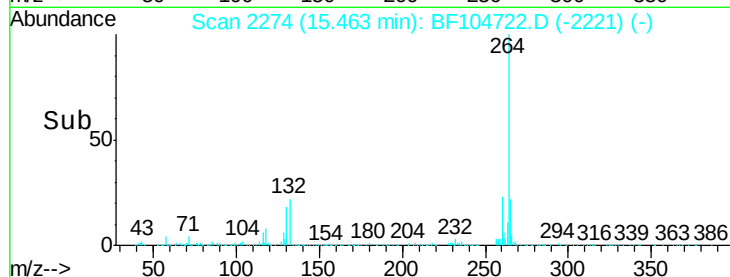
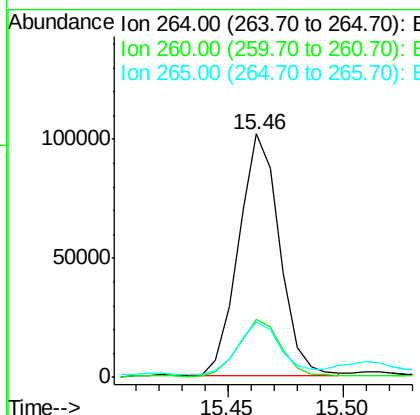
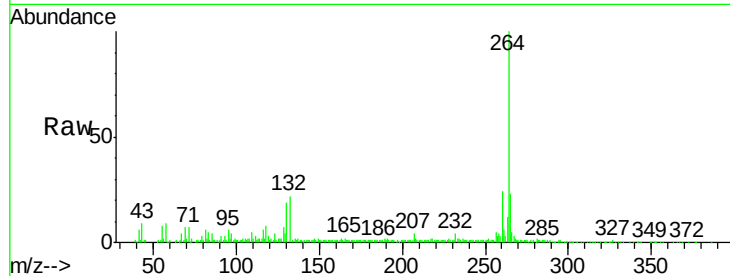
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :
RBR-47184RTRE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.0	17.5	26.3

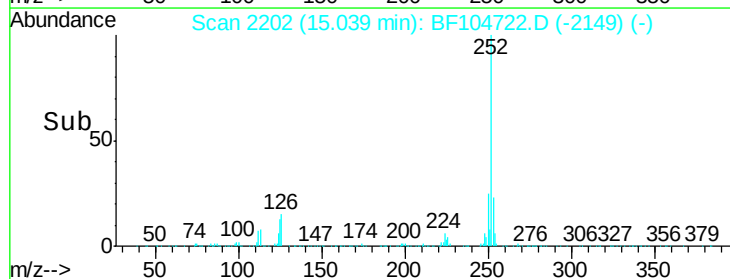
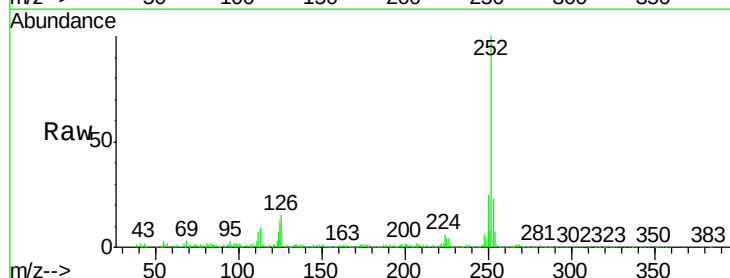
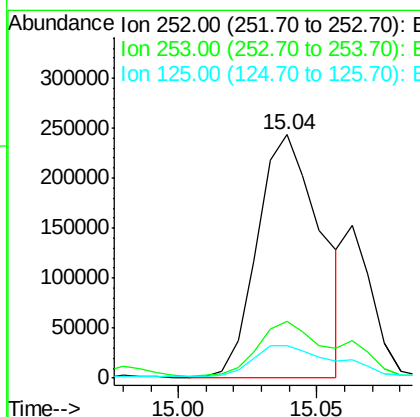
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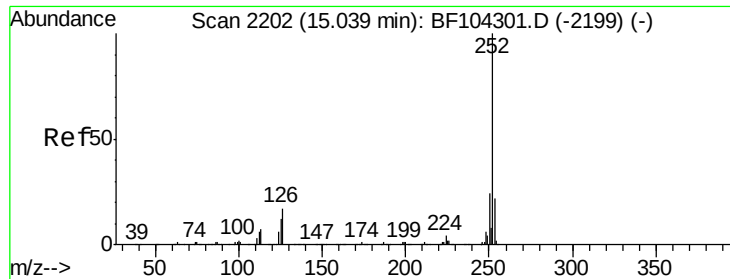
Sohil
4/24/2018 3:49:02 PM



#87
Benzo(b)fluoranthene
Concen: 48.543 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	13.5	9.0	13.6





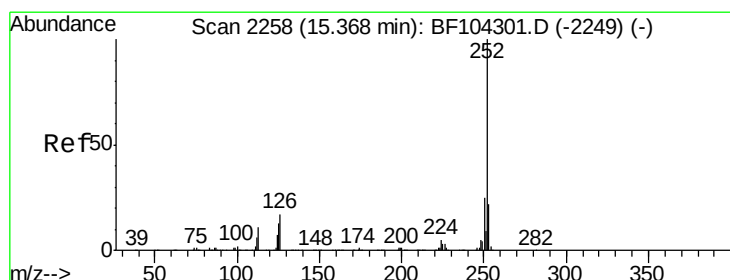
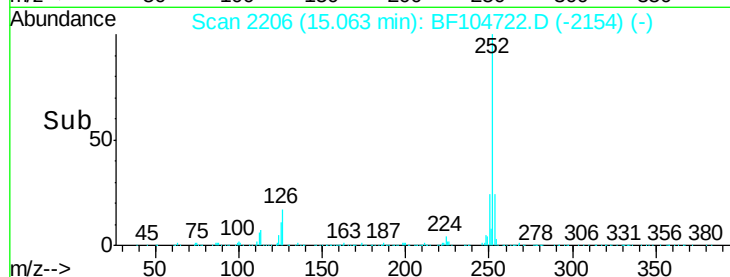
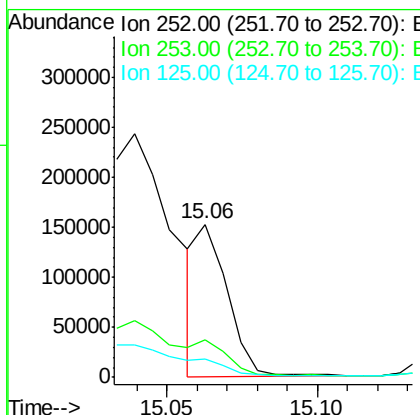
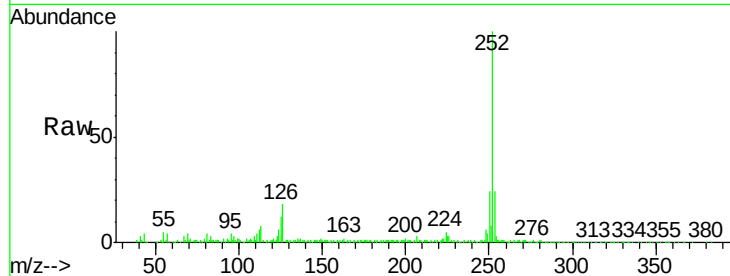
#88
Benzo(k)fluoranthene
Concen: 14.316 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :
RBR-47184RTRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	11.7	10.2	15.2

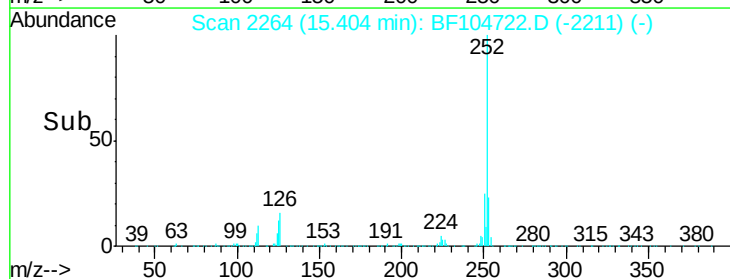
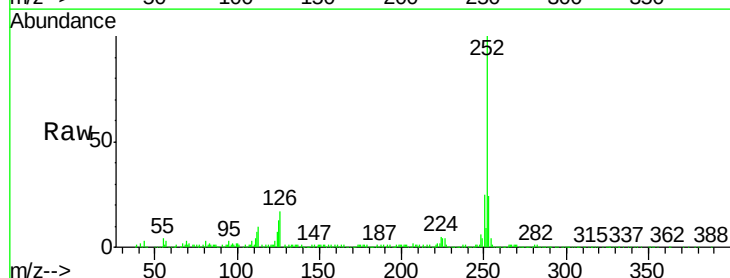
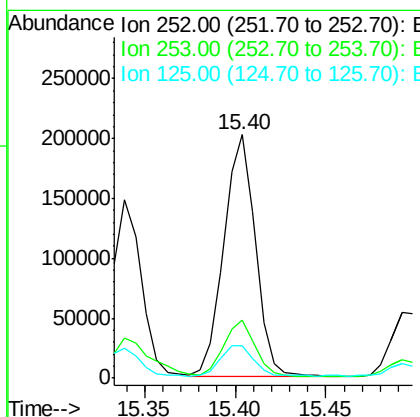
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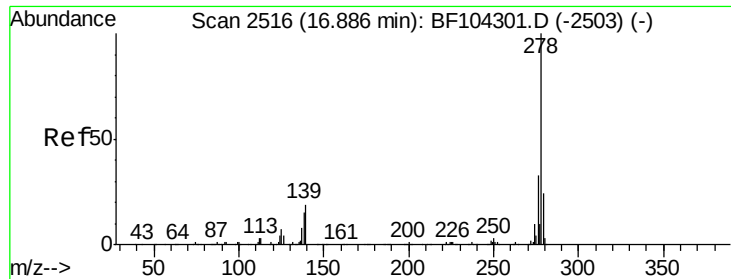
Sohil
4/24/2018 3:49:02 PM



#89
Benzo(a)pyrene
Concen: 34.435 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	13.3	9.8	14.6





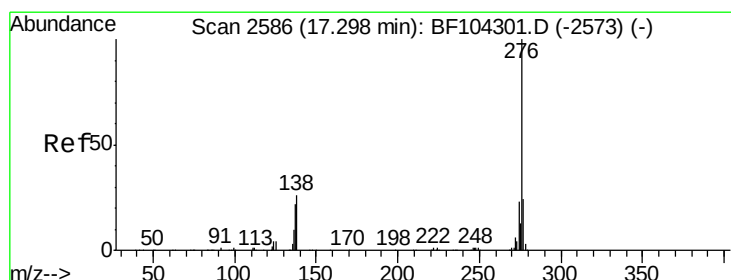
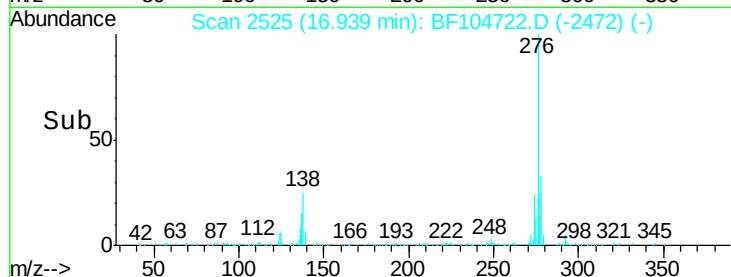
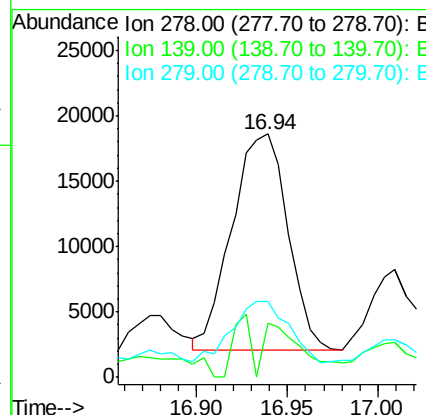
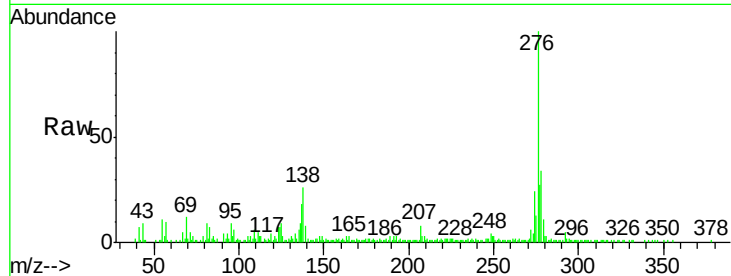
#90
Dibenzo(a,h)anthracene
Concen: 6.022 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Instrument :
BNA_F
ClientSampleId :
RBR-47184RTRE

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.5	15.9	23.9
279	31.2	19.0	28.4

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4/24/2018 3:49:02 PM



#91
Benzo(g,h,i)perylene
Concen: 23.038 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.03 min
Lab File: BF104722.D
Acq: 23 Apr 2018 20:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	24.9	21.8	32.8

