

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116031.D
 Acq On : 6 Aug 2019 23:22
 Operator : HP/JU
 Sample : K4164-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000030

Manual Integrations
 APPROVED

mohammad
 8/7/2019 4:42:12 PM

Quant Time: Aug 07 05:43:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	116807	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	457276	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	237566	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	384773	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	294208	20.00	ng	-0.03
87) Perylene-d12	15.47	264	349634	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	573182	82.15	ng	0.00
7) Phenol-d6	6.47	99	742877	84.39	ng	-0.01
23) Nitrobenzene-d5	7.40	82	474613	59.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	149633	64.97	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	846464	66.74	ng	-0.02
79) Terphenyl-d14	12.94	244	777558	55.69	ng	-0.03

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.36	88	108	0.031	ng	# 25
6) Aniline	6.61	93	708	0.056	ng	# 1
9) Benzaldehyde	6.47	77	1326	0.218	ng	# 1
10) Phenol	6.49	94	3366	0.325	ng	# 1
11) bis(2-Chloroethyl)ether	6.61	93	708	0.093	ng	# 1
15) Benzyl Alcohol	7.00	79	8401	1.257	ng	# 47
16) 2,2'-oxybis(1-Chloropropan	7.15	45	111	0.011	ng	# 65
22) Acetophenone	7.27	105	991	0.099	ng	# 52
24) Nitrobenzene	7.40	77	1447	0.169	ng	# 34
28) bis(2-Chloroethoxy)methane	8.02	93	128	0.014	ng	# 1
31) Naphthalene	8.15	128	12235	0.569	ng	# 97
33) 4-Chloroaniline	8.15	127	1181	0.123	ng	# 39
37) 2-Methylnaphthalene	8.85	142	9055	0.639	ng	# 97
46) 1,1'-Biphenyl	9.30	154	3758	0.224	ng	# 99
47) 2-Chloronaphthalene	9.59	162	503	0.036	ng	# 1
48) 2-Nitroaniline	9.59	65	1157	0.251	ng	# 1
49) Acenaphthylene	9.74	152	13646	0.670	ng	# 97
50) Dimethylphthalate	9.59	163	122832	7.594	ng	# 100
51) 2,6-Dinitrotoluene	9.59	165	1129	0.321	ng	# 1
52) Acenaphthene	9.91	154	10552	0.845	ng	# 98
55) Dibenzofuran	10.09	168	10500	0.578	ng	# 92
56) 4-Nitrophenol	10.09	139	4064	1.461	ng	# 15
58) Fluorene	10.43	166	10936	0.782	ng	# 99
60) Diethylphthalate	10.29	149	1173	0.078	ng	# 58
63) Azobenzene	10.58	77	480	0.031	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.66	198	307	0.151	ng	# 1
66) n-Nitrosodiphenylamine	10.53	169	1160	0.100	ng	# 88
71) Phenanthrene	11.39	178	153113	7.784	ng	# 96
72) Anthracene	11.44	178	45300m	2.276	ng	#
73) Carbazole	11.60	167	14328	0.793	ng	# 94
74) Di-n-butylphthalate	11.92	149	4299	0.204	ng	# 93
75) Fluoranthene	12.57	202	315552	15.323	ng	# 99
77) Benzidine	12.94	184	11863	1.194	ng	# 98
78) Pyrene	12.80	202	296329	13.362	ng	# 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Butylbenzylphthalate	13.41	149	6591	0.703	nq	# 83
81) Benzo(a)anthracene	13.99	228	158089	8.407	nq	99
82) 3,3'-Dichlorobenzidine	13.93	252	535	0.082	nq	# 49
83) Chrysene	14.03	228	158631	8.689	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	9058	0.743	nq	# 91
86) Indeno(1,2,3-cd)pyrene	16.94	276	84872	5.535	nq	97
88) Benzo(b)fluoranthene	15.04	252	205893m	10.185	nq	
89) Benzo(k)fluoranthene	15.06	252	81041m	4.116	nq	
90) Benzo(a)pyrene	15.40	252	153143	8.474	nq	# 96
91) Dibenzo(a,h)anthracene	16.94	278	22962	1.468	nq	# 81
92) Benzo(a,h,i)perylene	17.38	276	84109	5.475	nq	99

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



#1

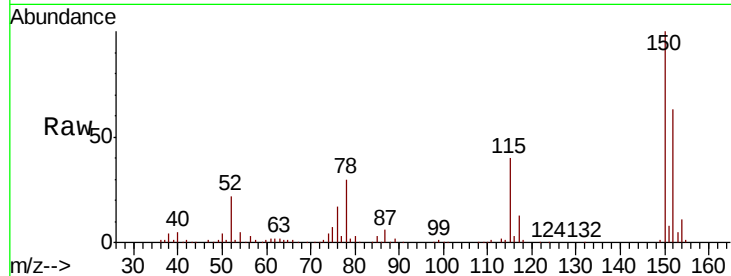
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.4	191.0
115	63.4	51.8	77.8

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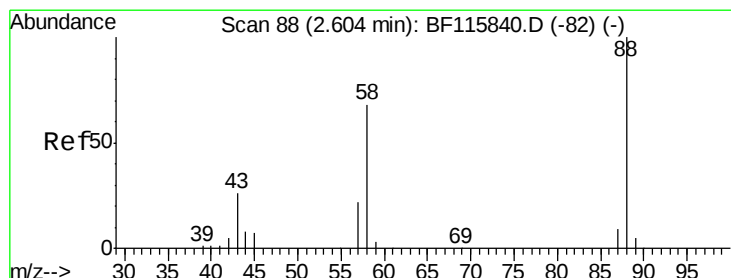
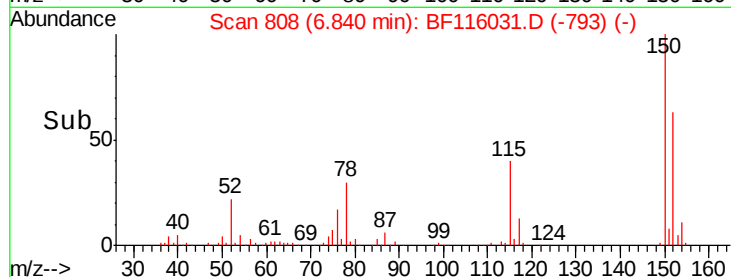
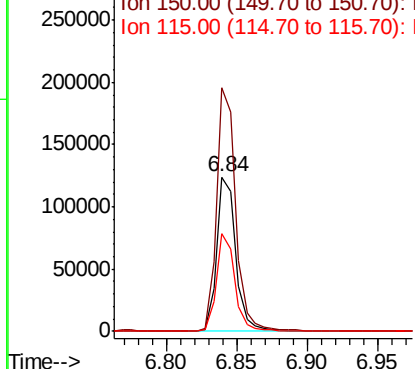


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

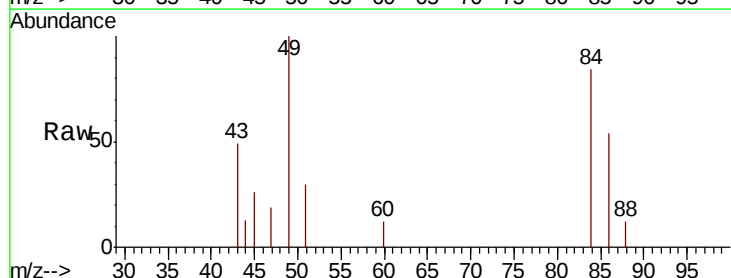
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.031 ng
RT: 2.36 min Scan# 46
Delta R.T. -0.25 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	54.1	81.1#
43	0.0	20.7	31.1#

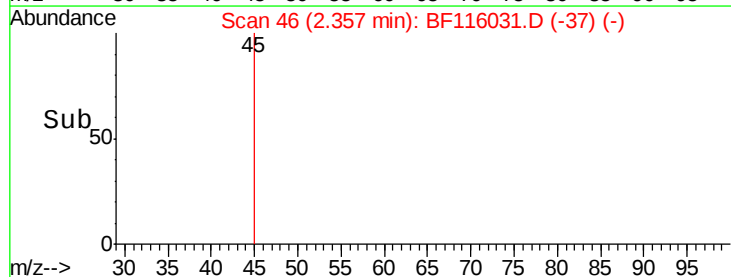
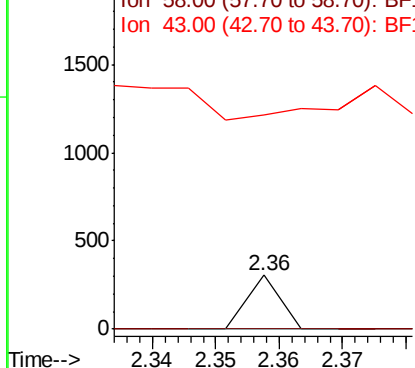


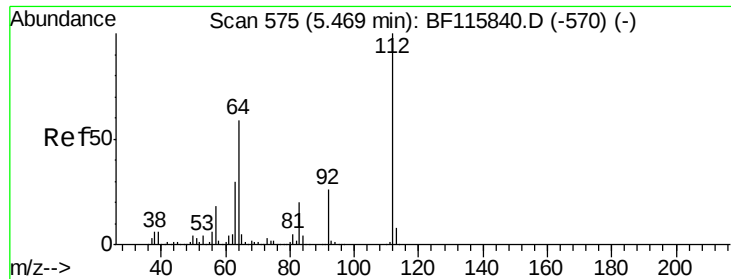
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 82.148 ng

RT: 5.46 min Scan# 574

Delta R.T. -0.01 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

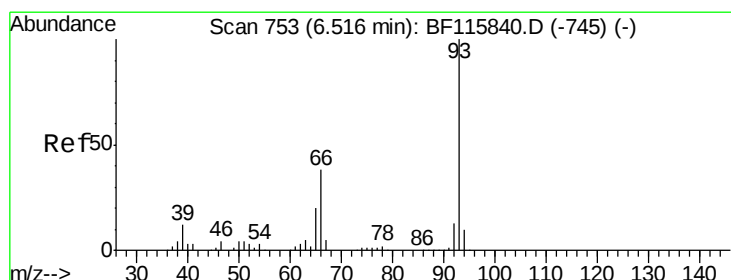
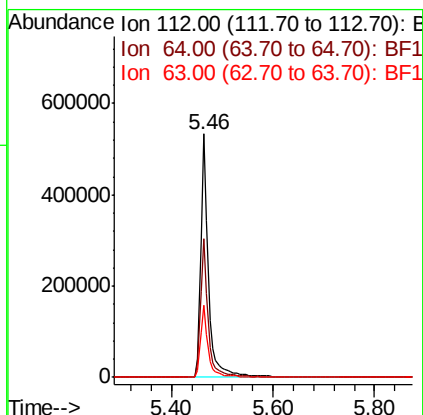
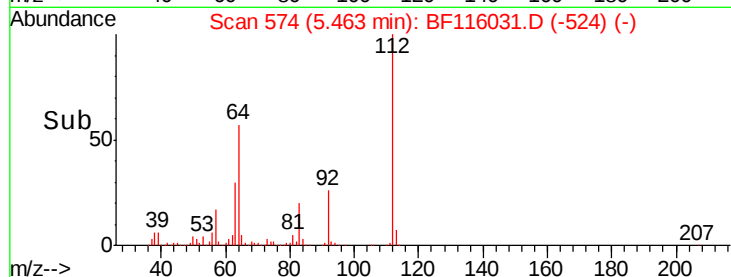
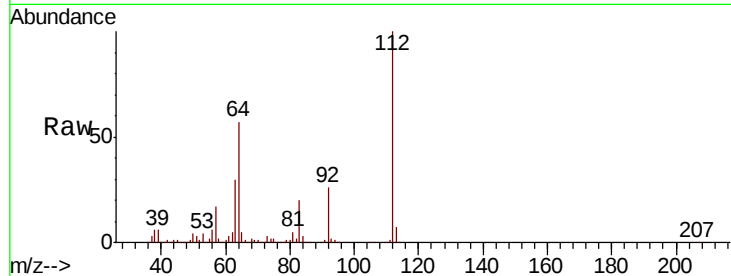
ClientSampleId :

RBR-2000030

Tot Ion	Ratio	Resp	Lower	Upper
112	100	573182		
64	56.9	46.8	70.2	
63	29.8	24.2	36.2	

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#6

Aniline

Concen: 0.056 ng

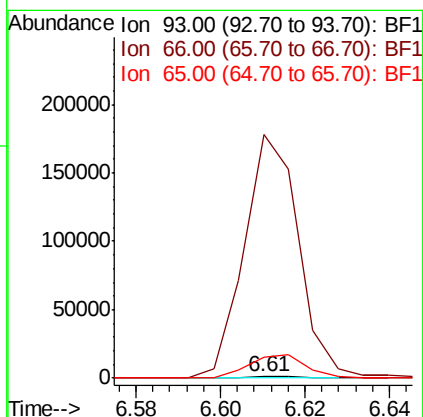
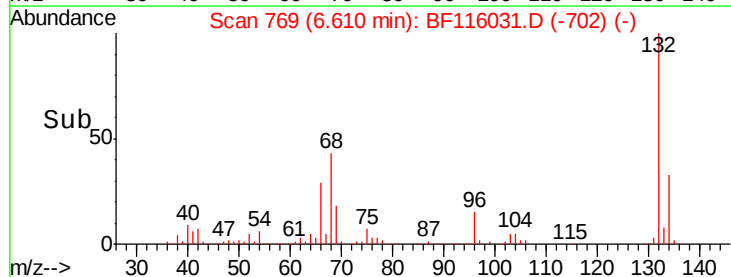
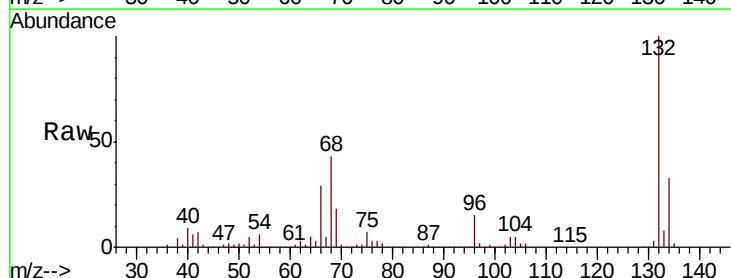
RT: 6.61 min Scan# 769

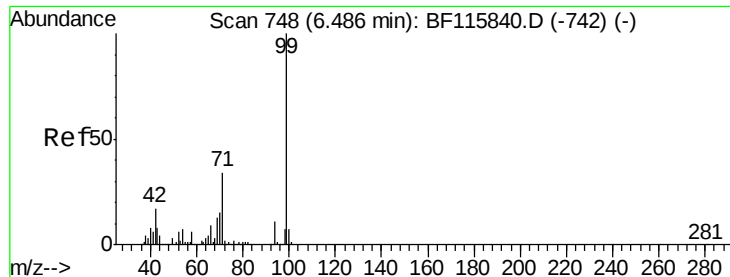
Delta R.T. 0.09 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	708		
66	20465.3	31.4	47.0#	
65	1789.2	16.5	24.7#	





#7

Phenol-d6

Concen: 84.386 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

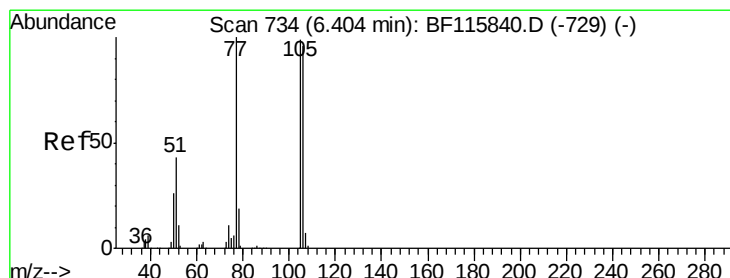
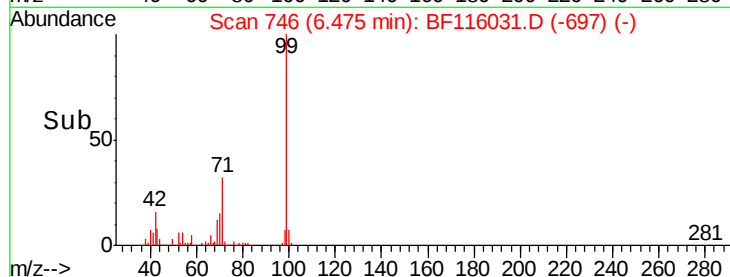
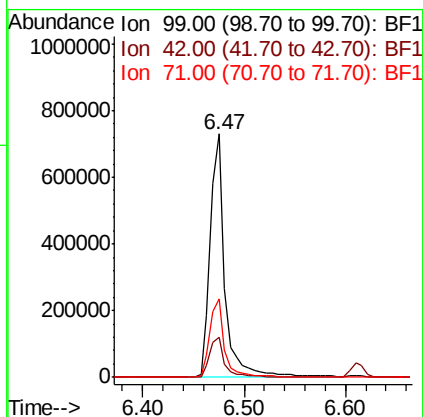
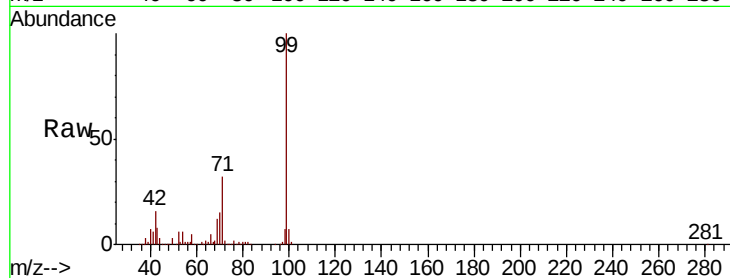
ClientSampleId :

RBR-2000030

Tot Ion:	99	Resp:	742877
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.8	20.6
71	32.4	27.1	40.7

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#9

Benzaldehyde

Concen: 0.218 ng

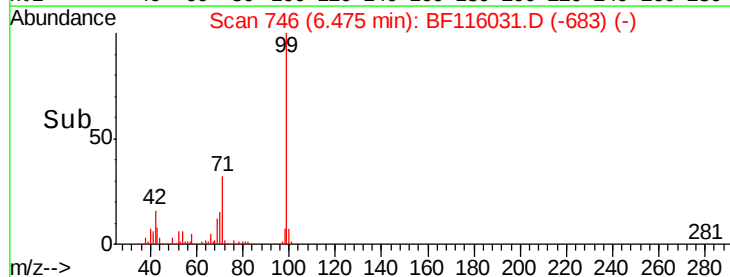
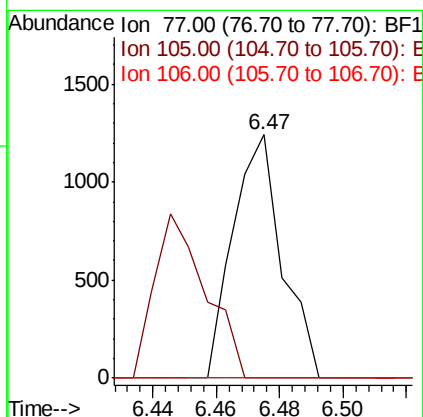
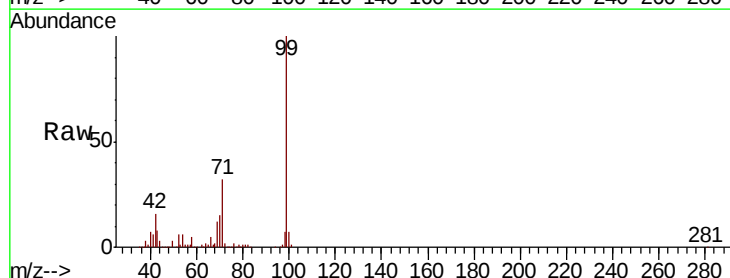
RT: 6.47 min Scan# 746

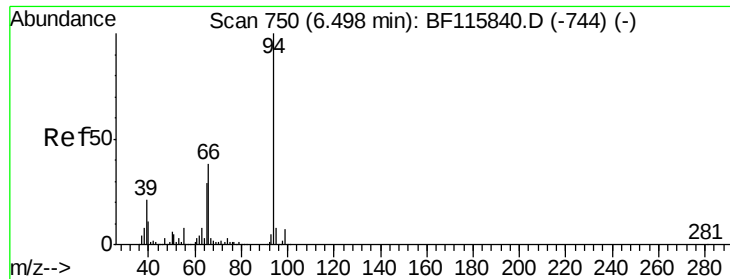
Delta R.T. 0.07 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion:	77	Resp:	1326
Ion Ratio	Lower	Upper	
77	100		
105	0.0	79.0	119.0#
106	0.0	76.2	116.2#





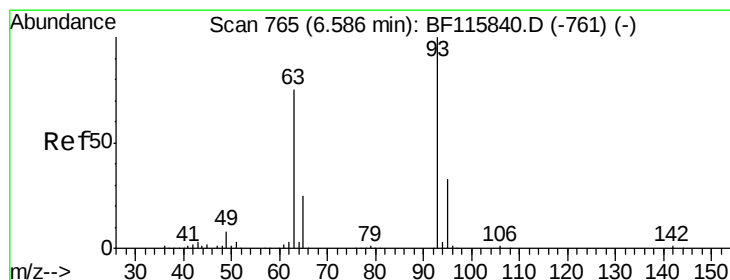
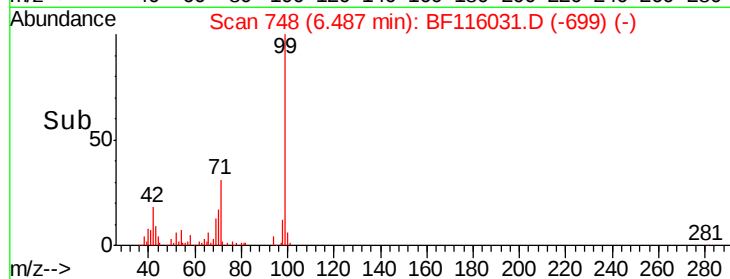
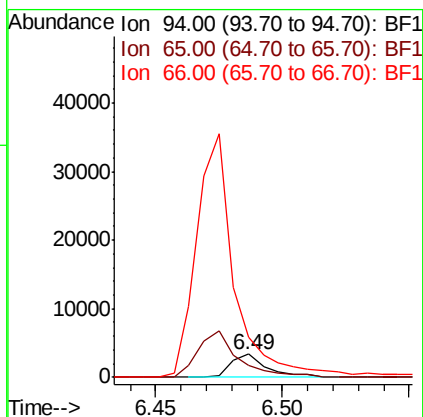
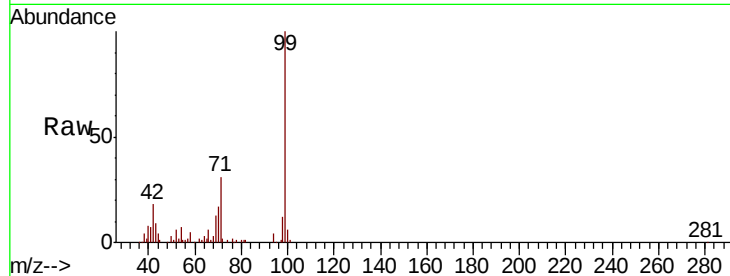
#10
Phenol
Concen: 0.325 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
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ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
94	100		
65	54.8	8.9	48.9#
66	173.7	18.0	58.0#

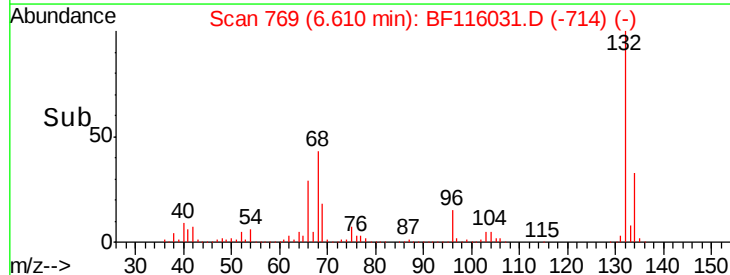
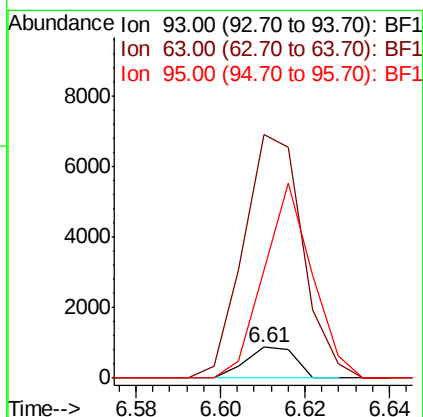
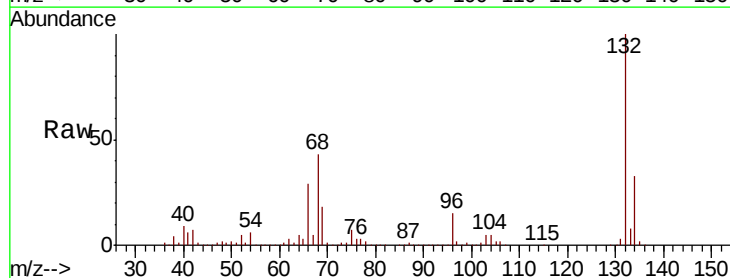
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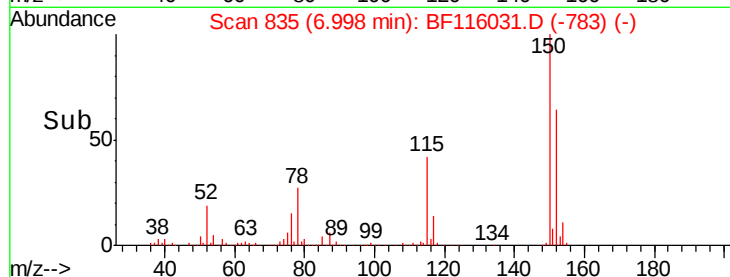
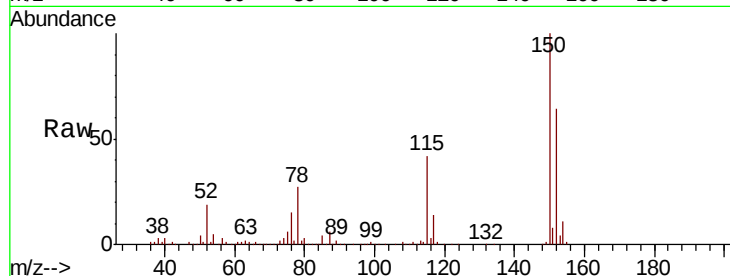
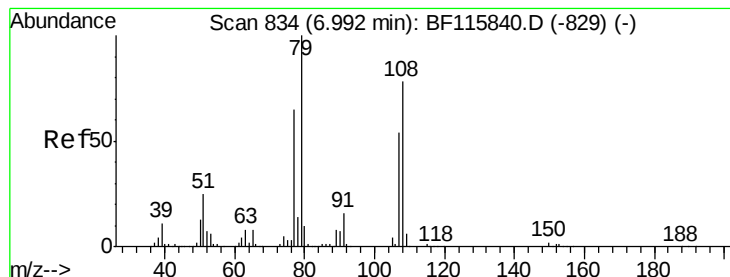
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#11
bis(2-Chloroethyl)ether
Concen: 0.093 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
93	100		
63	794.5	54.9	94.9#
95	351.7	13.3	53.3#





#15

Benzyl Alcohol

Concen: 1.257 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tot Ion:	79	Resp:	8401
Ion Ratio	Lower	Upper	
79	100		
108	34.5	62.8	94.2#
77	109.0	52.0	78.0#

Instrument :

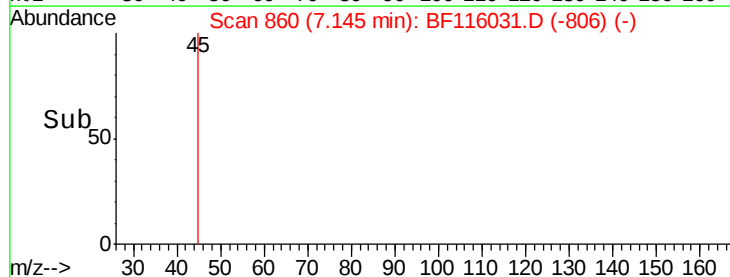
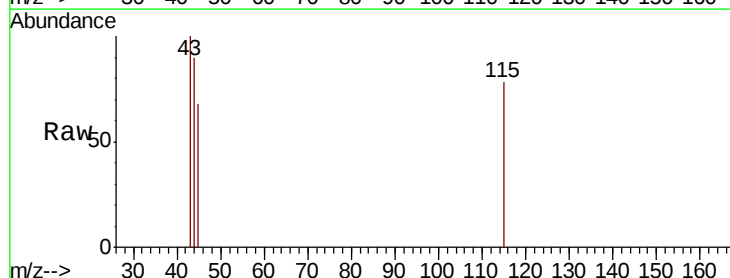
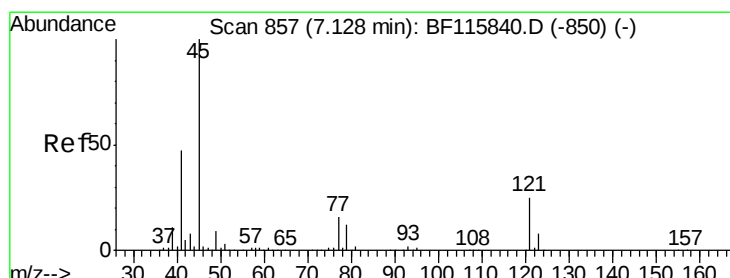
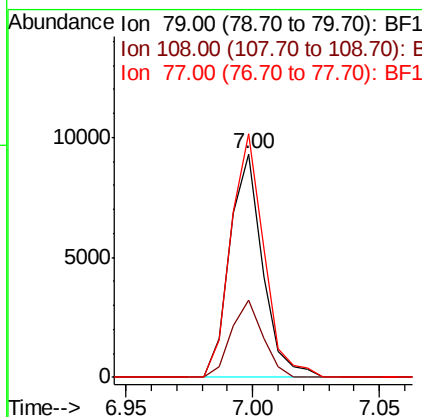
BNA_F

ClientSampled :

RBR-2000030

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.011 ng

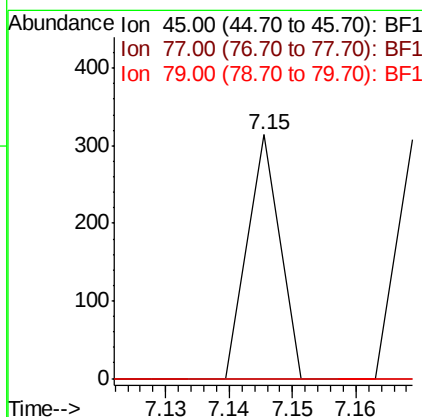
RT: 7.15 min Scan# 860

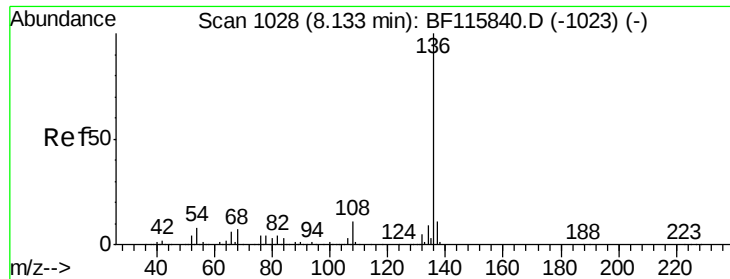
Delta R.T. 0.02 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion:	45	Resp:	111
Ion Ratio	Lower	Upper	
45	100		
77	0.0	0.0	36.3
79	0.0	0.0	32.5





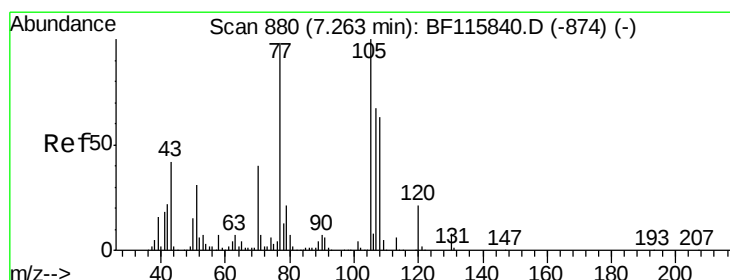
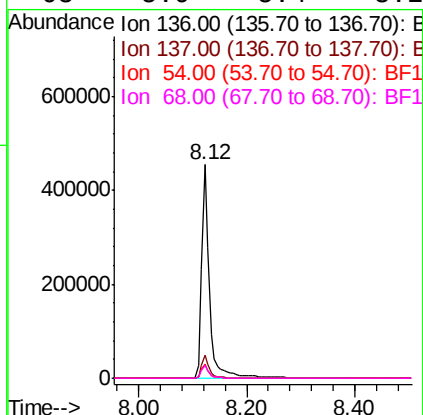
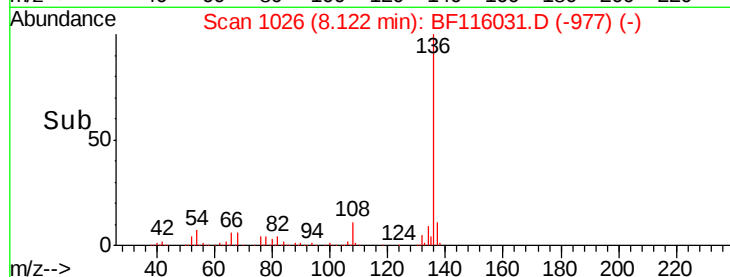
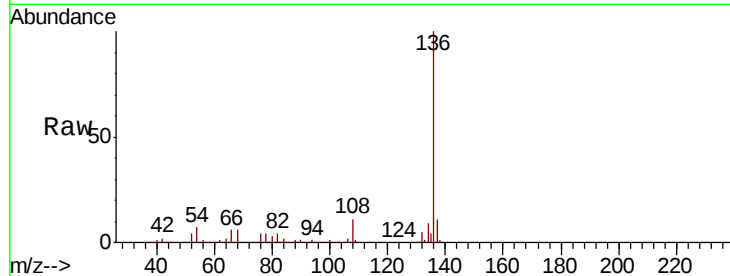
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		457276		
137	11.0		9.1	13.7	
54	6.9		6.1	9.1	
68	5.9		5.4	8.2	

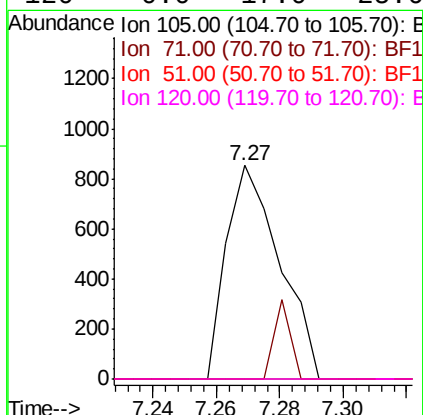
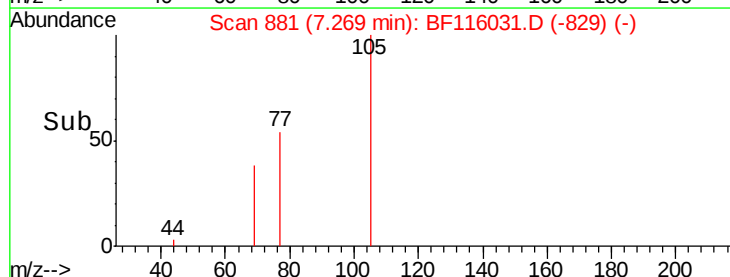
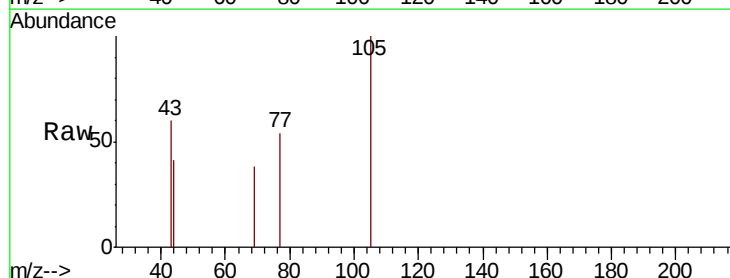
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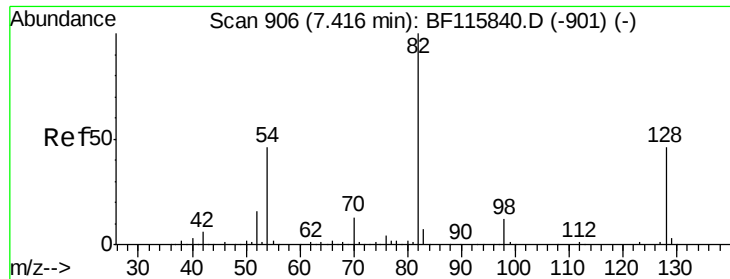
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#22
Acetophenone
Concen: 0.099 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		991		
71	0.0		5.4	8.0#	
51	0.0		24.6	36.8#	
120	0.0		17.0	25.6#	





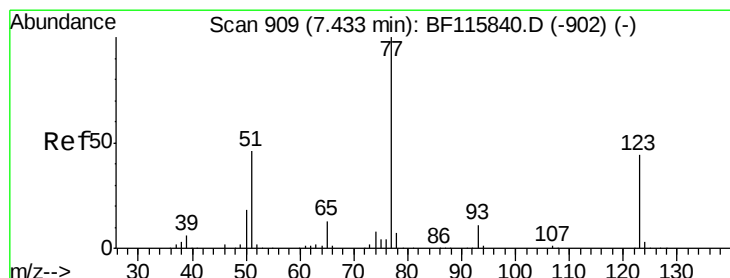
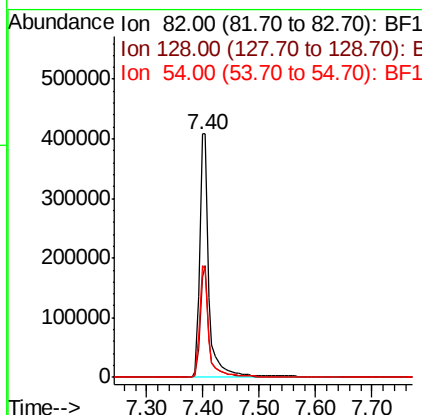
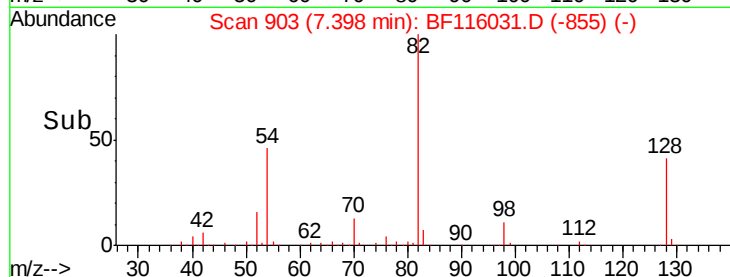
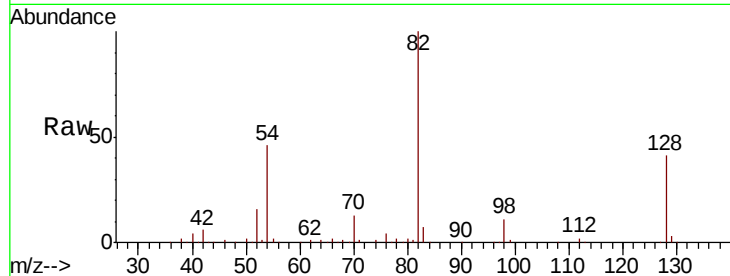
#23
Nitrobenzene-d5
Concen: 59.912 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleID :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.6	55.0
54	45.7	36.6	55.0

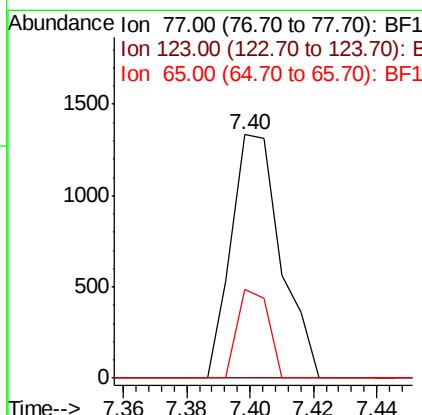
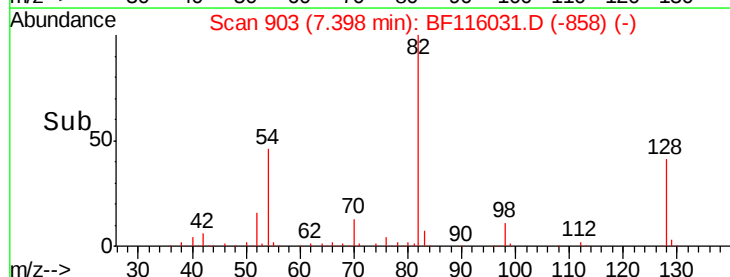
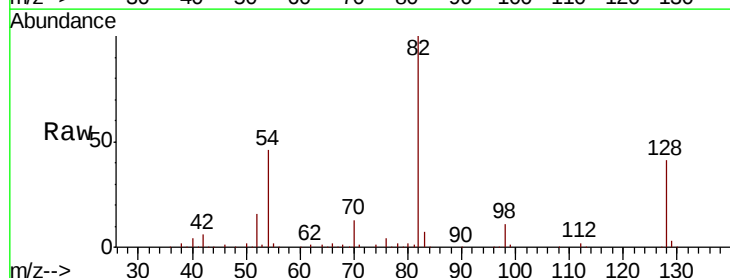
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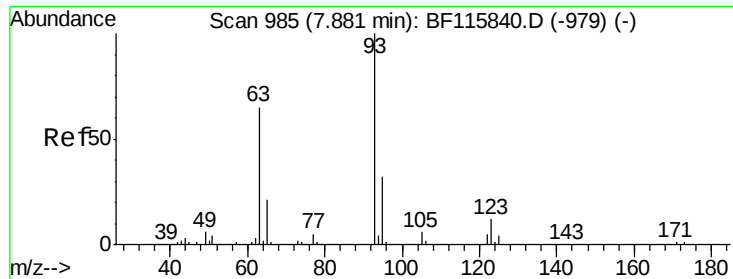
mohammad
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#24
Nitrobenzene
Concen: 0.169 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.04 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	36.4	10.6	15.8#





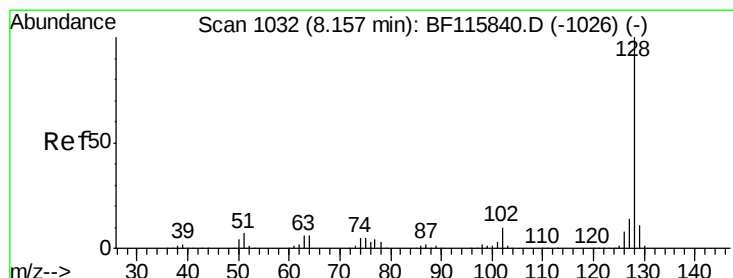
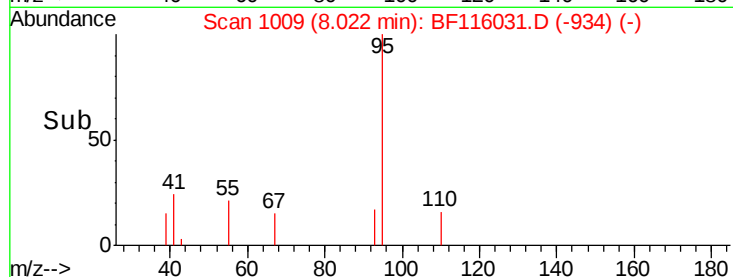
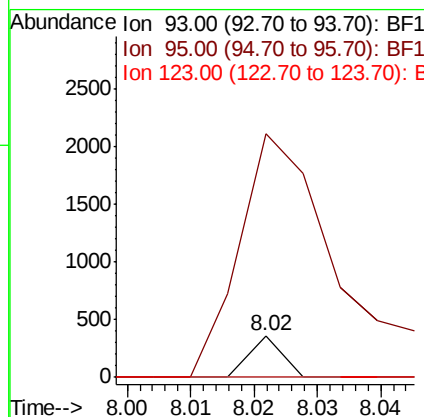
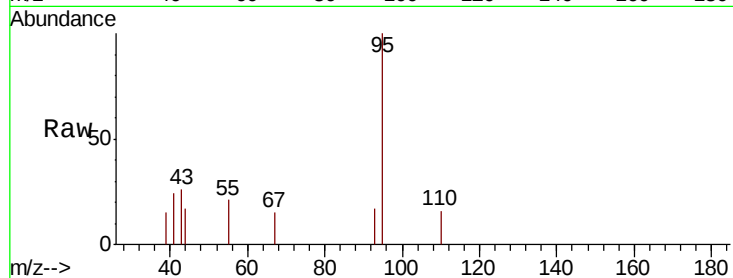
#28
bis(2-Chloroethoxy)methane
Concen: 0.014 ng
RT: 8.02 min Scan# 1009
Delta R.T. 0.14 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
93	100		
95	582.3	26.0	39.0#
123	0.0	9.5	14.3#

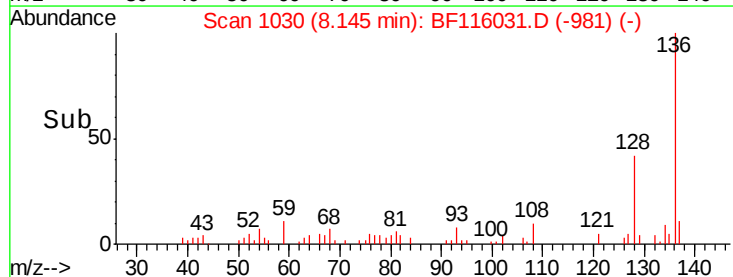
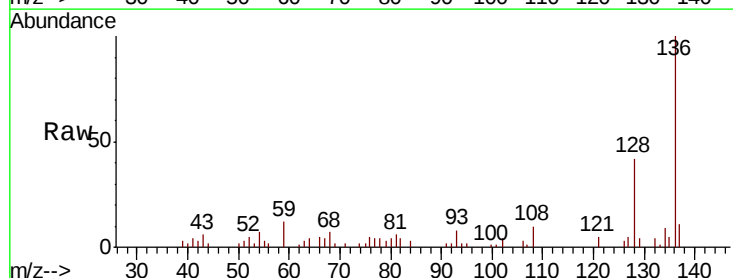
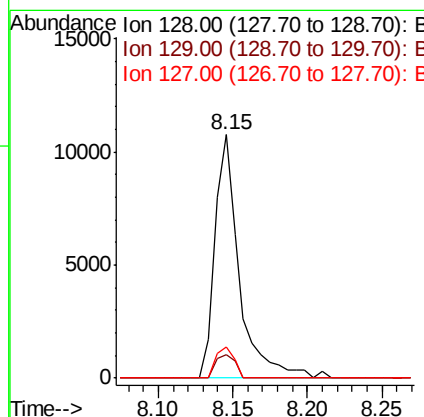
Manual Integrations
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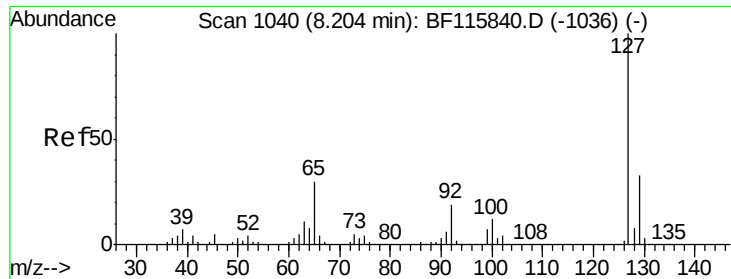
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#31
Naphthalene
Concen: 0.569 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.4	9.2	13.8
127	13.0	11.0	16.4





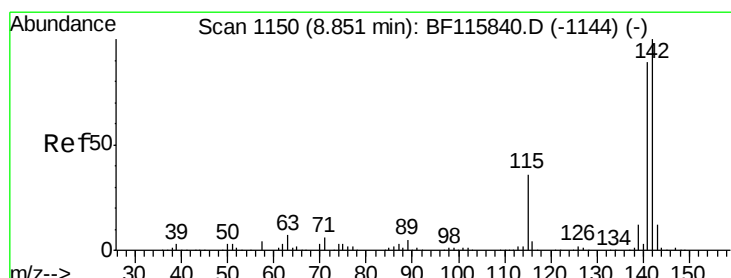
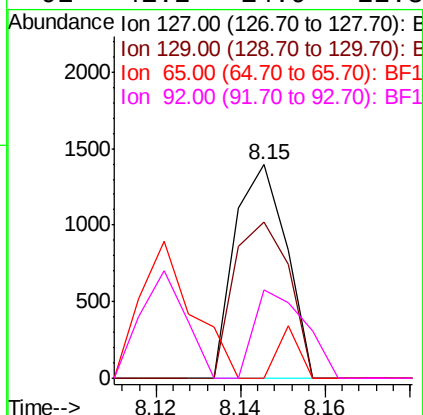
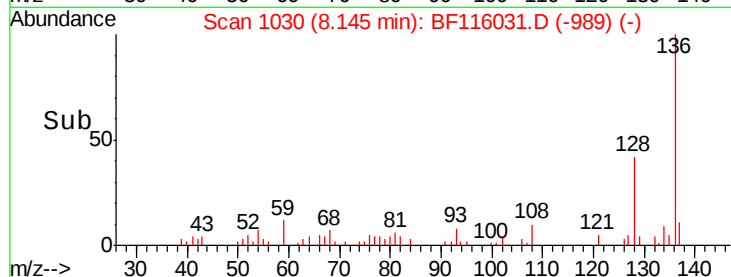
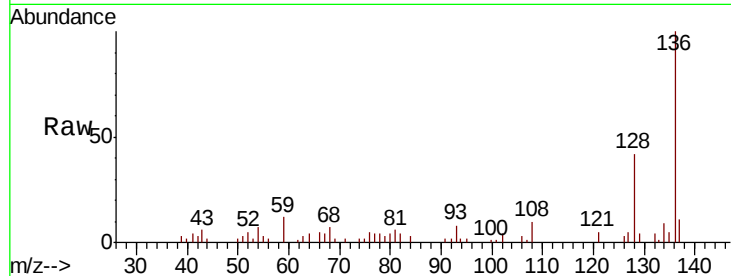
#33
4-Chloroaniline
Concen: 0.123 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
127	100		
129	72.9	26.0	39.0#
65	0.0	23.9	35.9#
92	41.2	14.9	22.3#

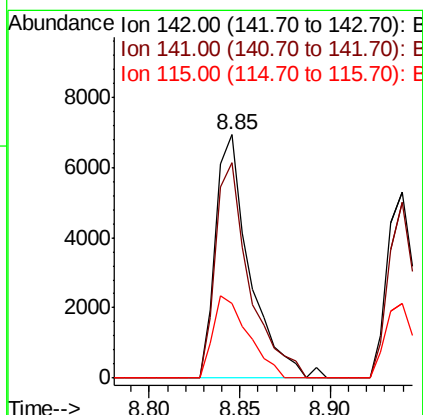
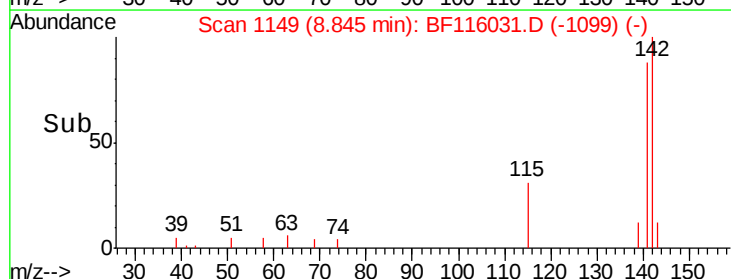
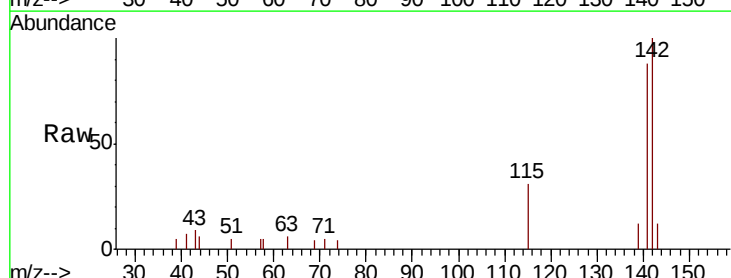
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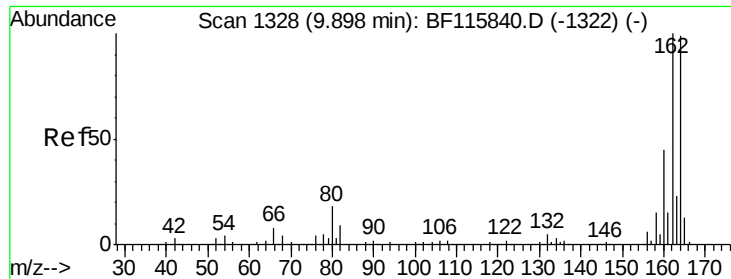
mohammad
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#37
2-Methylnaphthalene
Concen: 0.639 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.4	107.2
115	30.8	28.9	43.3





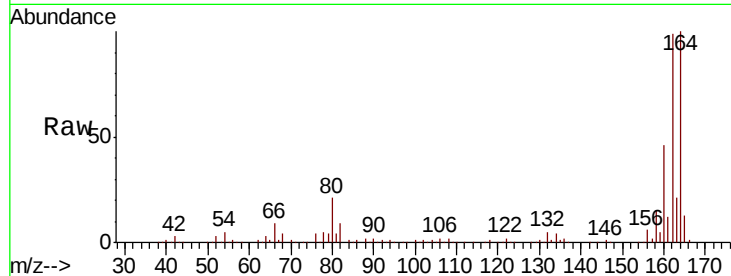
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.1	80.8	121.2	
160	45.7	36.2	54.4	

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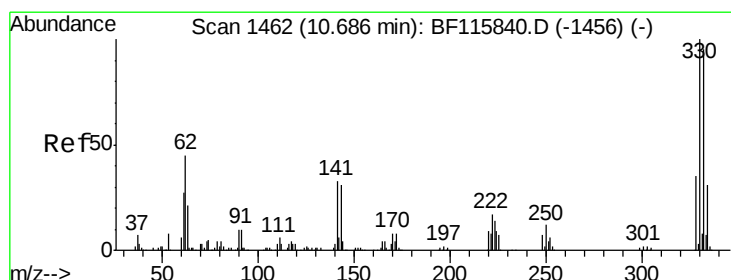
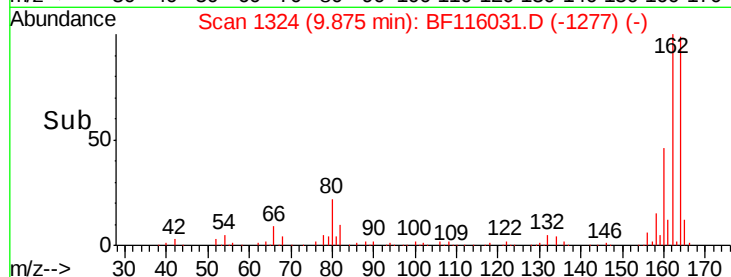
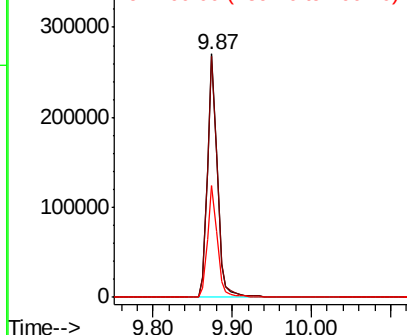


Abundance

Ion 164.00 (163.70 to 164.70): E

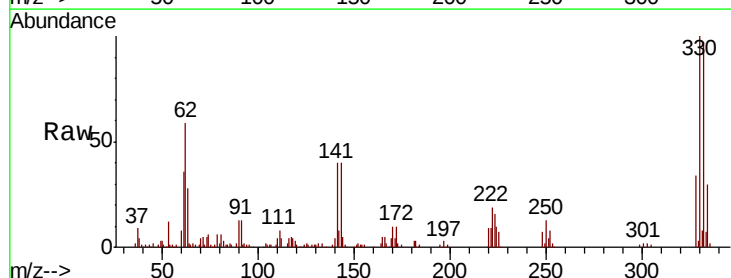
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 64.966 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.7	116.5	
141	35.6	28.1	42.1	

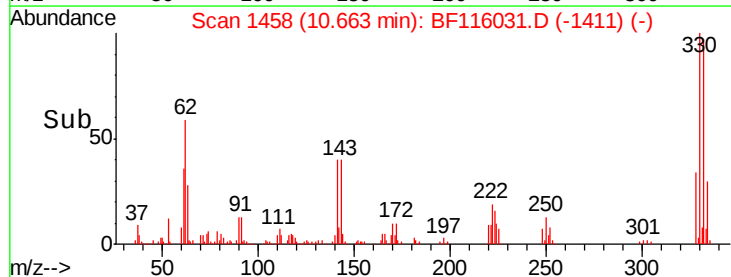
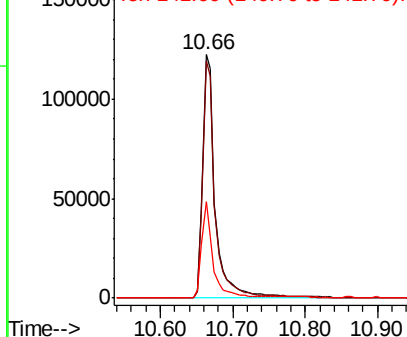


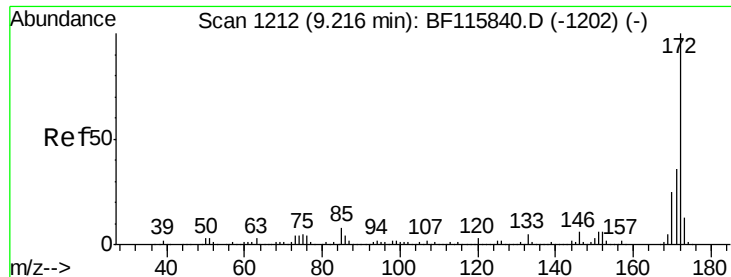
Abundance

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





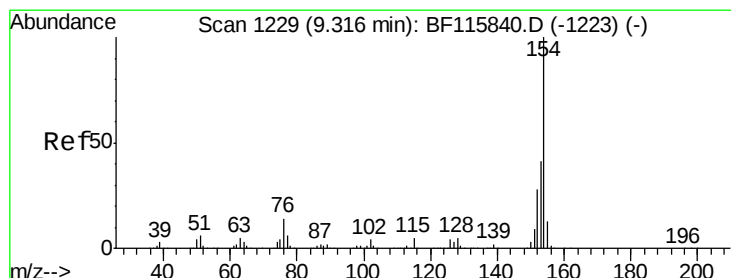
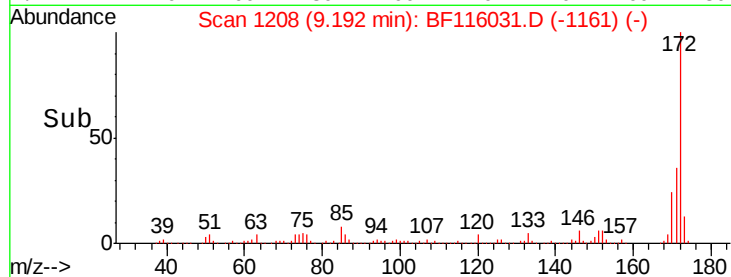
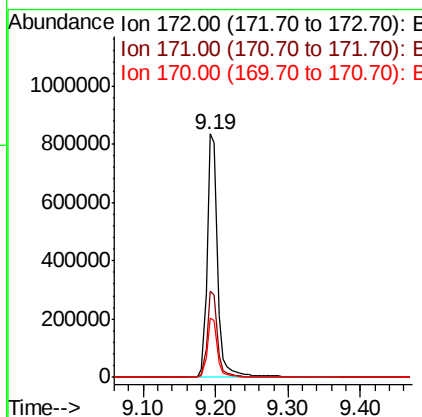
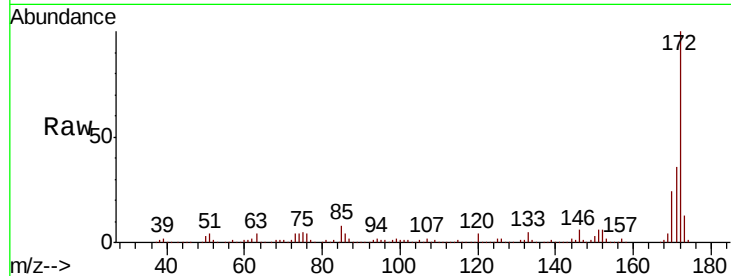
#45
2-Fluorobiphenyl
Concen: 66.739 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.1	43.7
170	24.3	20.1	30.1

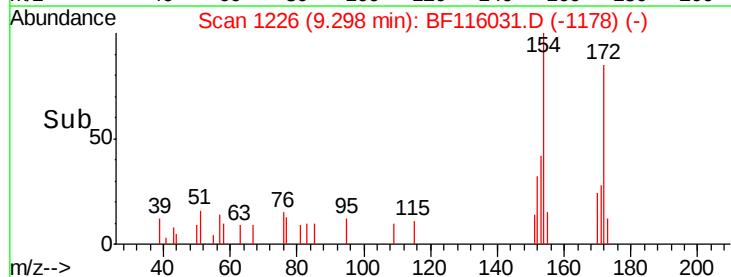
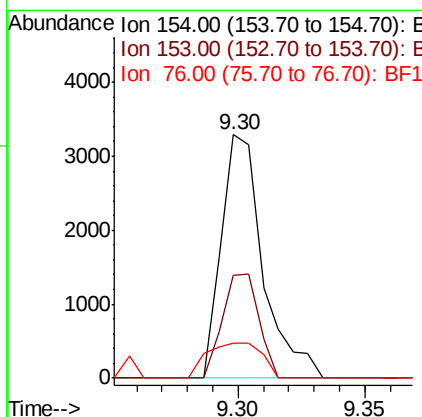
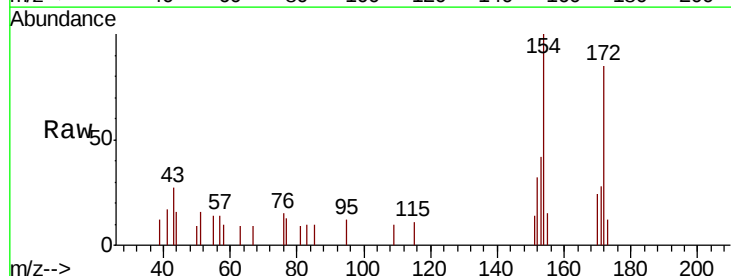
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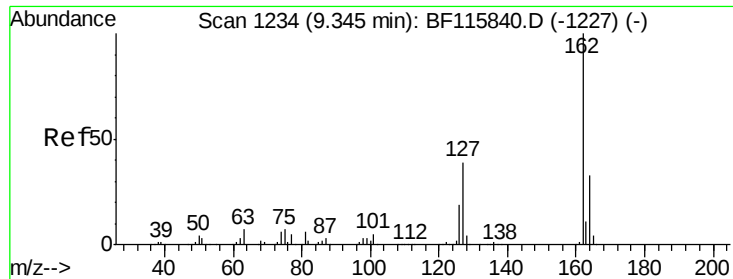
mohammad
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#46
1,1'-Biphenyl
Concen: 0.224 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	20.9	60.9
76	14.5	0.0	34.3





#47

2-Chloronaphthalene

Concen: 0.036 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.25 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

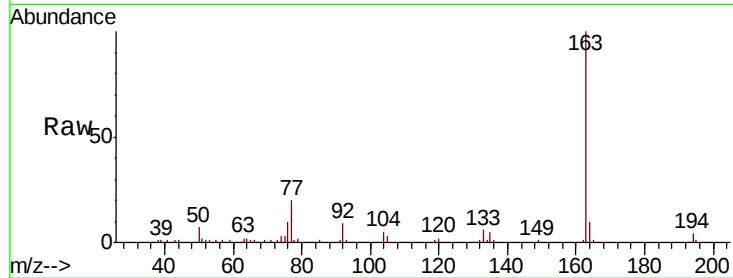
ClientSampleId :

RBR-2000030

Tot Ion	Ratio	Lower	Upper
162	100		
127	0.0	31.3	46.9#
164	1916.9	26.6	40.0#

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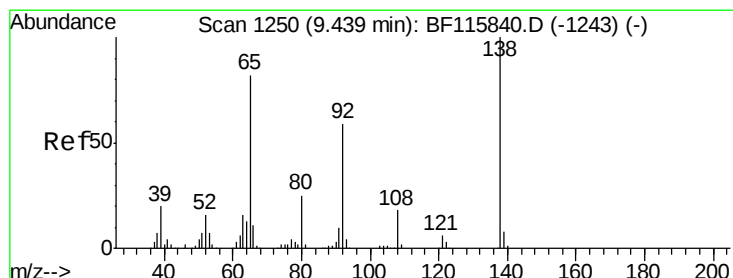
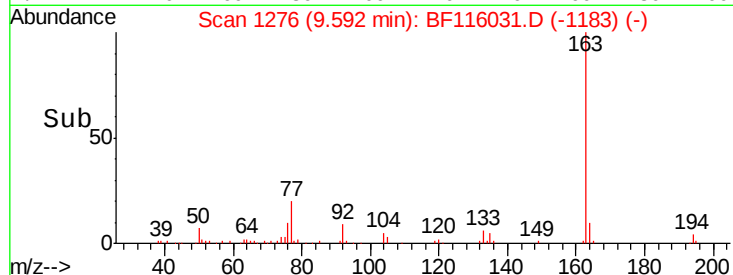
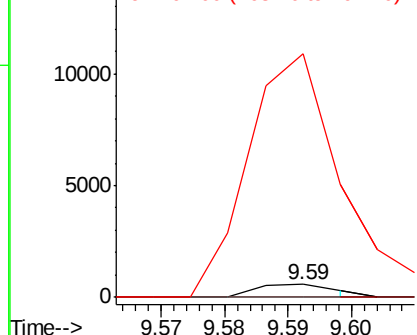


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 0.251 ng

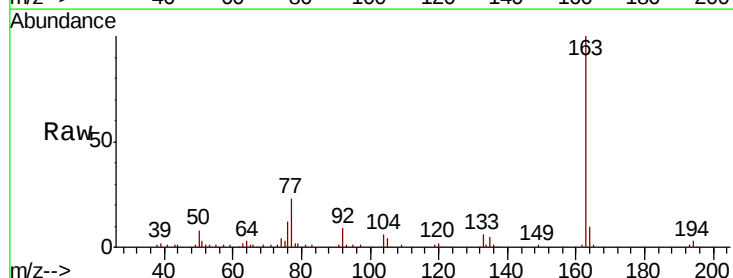
RT: 9.59 min Scan# 1275

Delta R.T. 0.15 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
65	100		
92	797.5	57.1	85.7#
138	0.0	97.1	145.7#

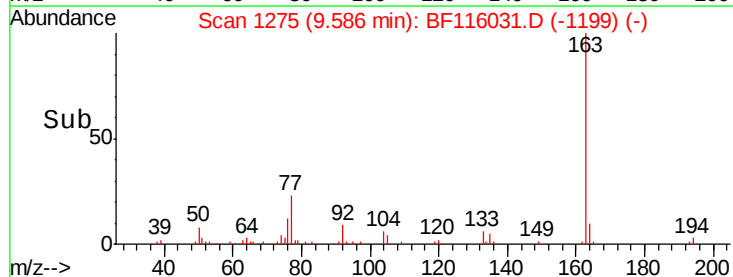
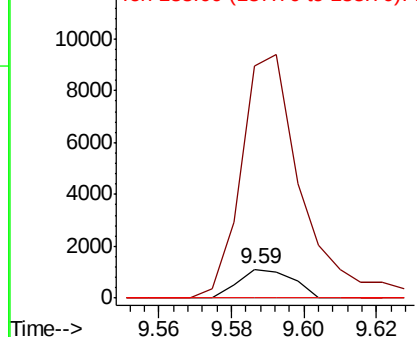


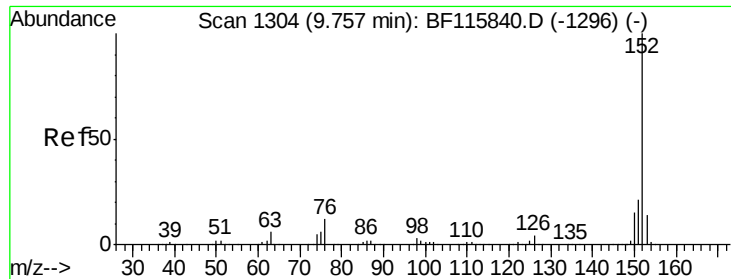
Abundance

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.670 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

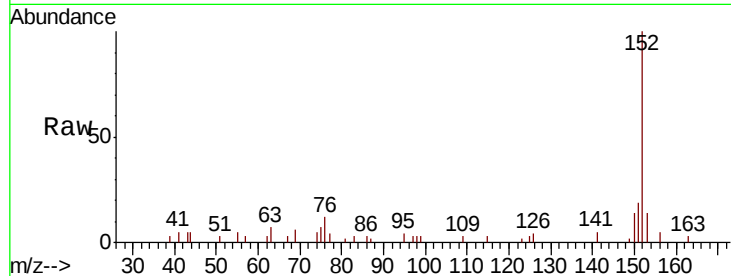
ClientSampleId :

RBR-2000030

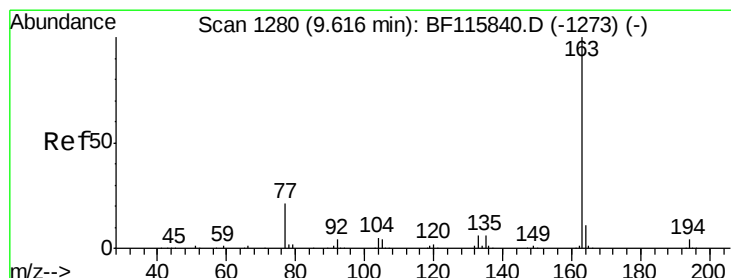
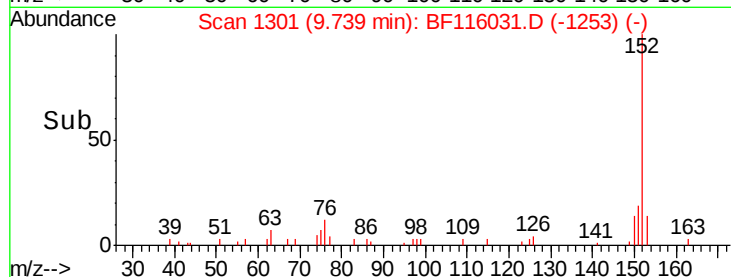
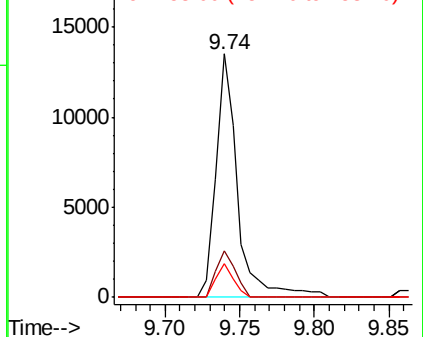
Tot Ion:	152	Resp:	13646
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.8	25.2
153	13.9	11.6	17.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.594 ng

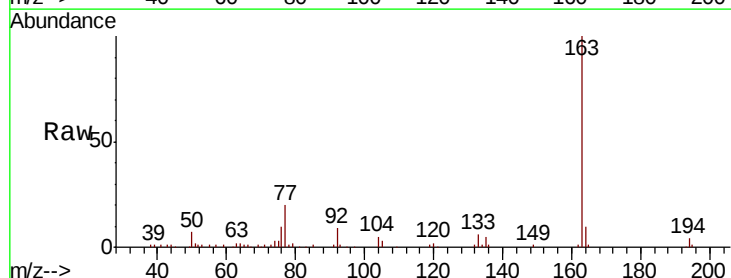
RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

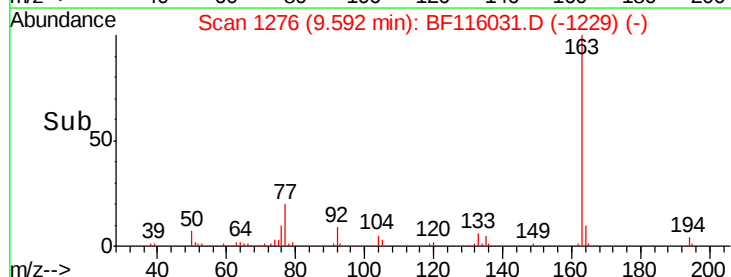
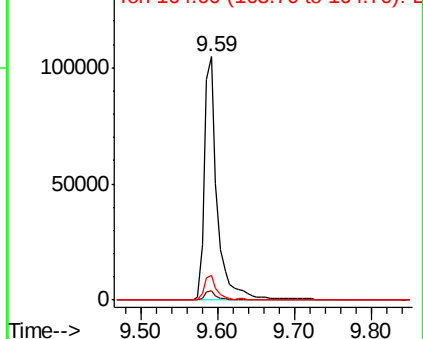
Lab File: BF116031.D

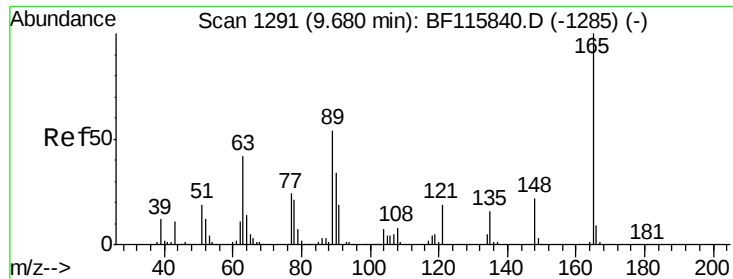
Acq: 6 Aug 2019 23:22

Tgt Ion:	163	Resp:	122832
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	10.4	8.4	12.6



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

2,6-Dinitrotoluene

Concen: 0.321 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.09 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

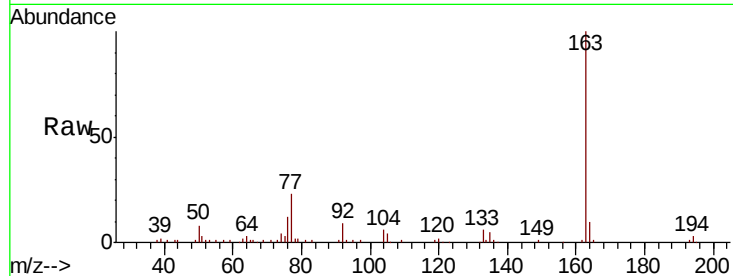
ClientSampleId :

RBR-2000030

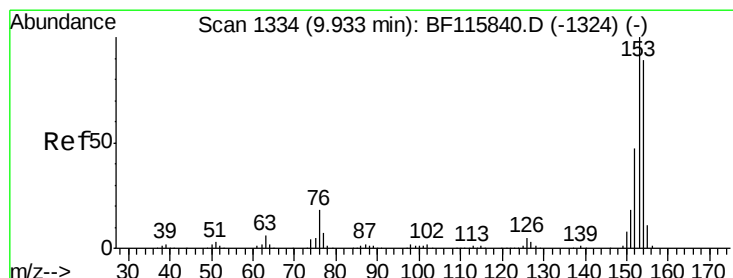
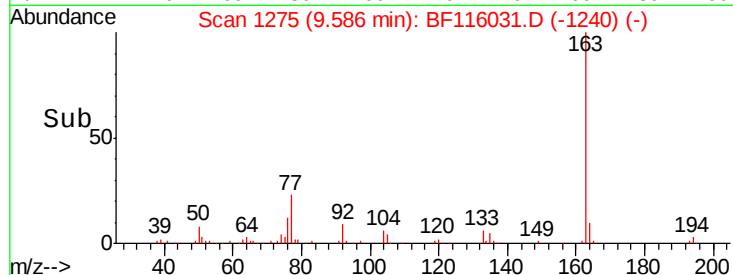
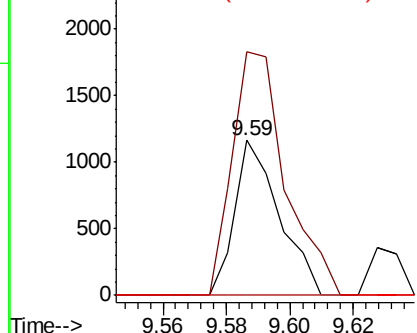
Tot Ion:	165	Resp:	1129
Ion Ratio	Lower	Upper	
165	100		
63	157.1	39.4	59.2#
89	0.0	43.0	64.6#

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 0.845 ng

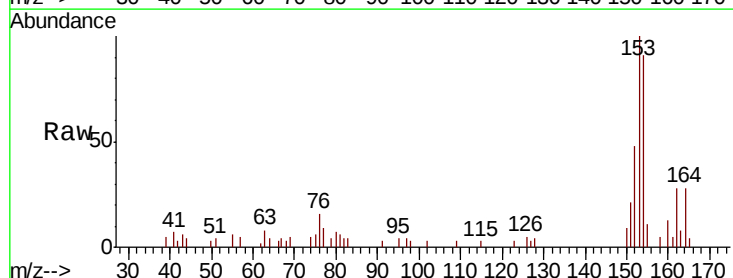
RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

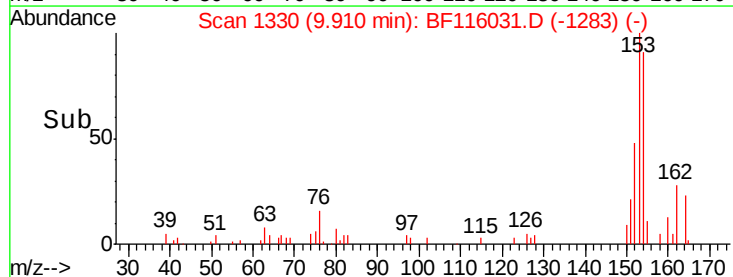
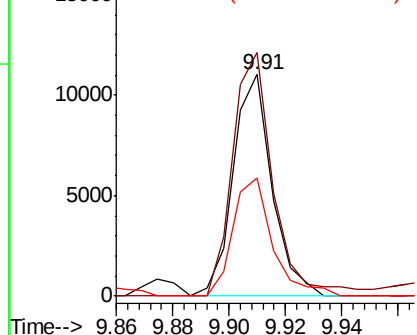
Lab File: BF116031.D

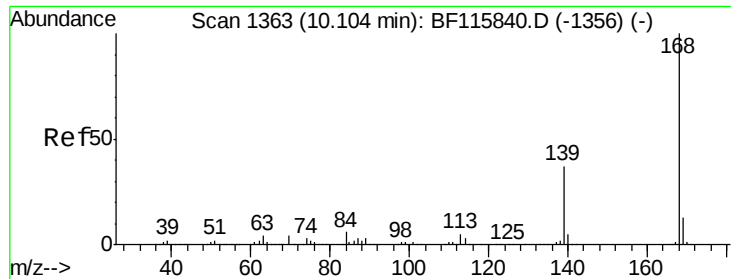
Acq: 6 Aug 2019 23:22

Tgt Ion:	154	Resp:	10552
Ion Ratio	Lower	Upper	
154	100		
153	109.9	90.1	135.1
152	53.1	42.6	63.8



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





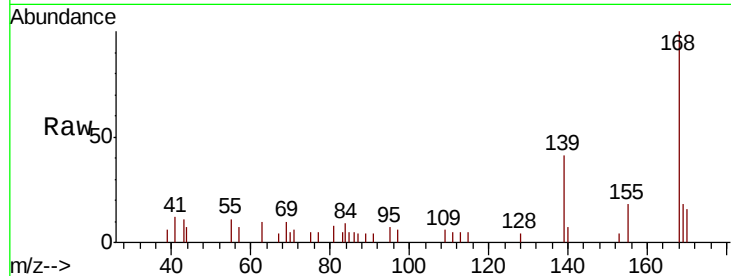
#55
Dibenzenofuran
Concen: 0.578 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.4	30.2	45.2
169	18.1	10.8	16.2

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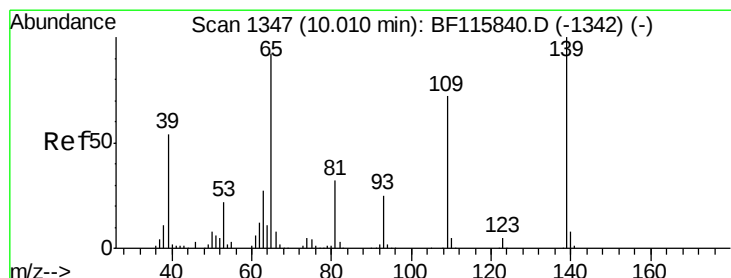
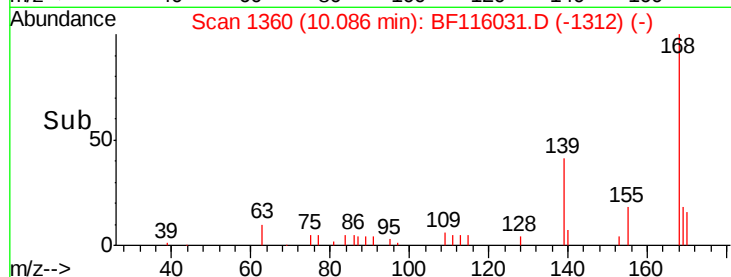
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

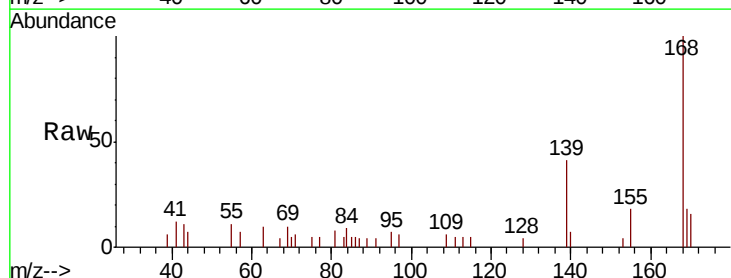
Ion 169.00 (168.70 to 169.70): E

Time-->



#56
4-Nitrophenol
Concen: 1.461 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.08 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
139	100		
109	14.6	52.0	92.0
65	0.0	72.6	112.6



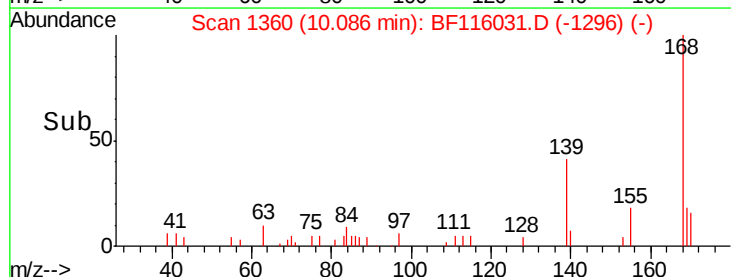
Abundance

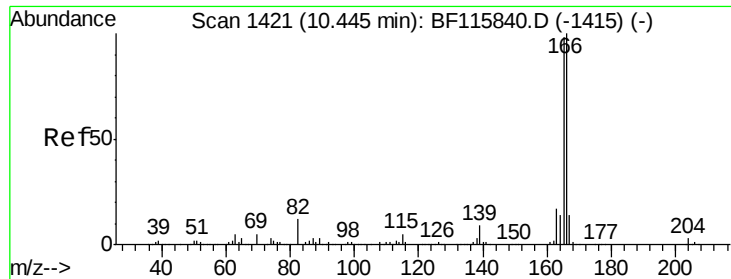
Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->





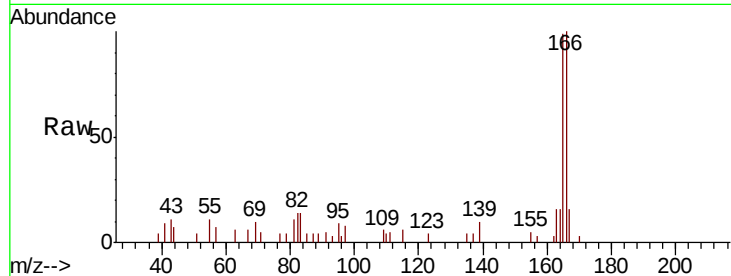
#58
 Fluorene
 Concen: 0.782 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF116031.D
 Acq: 6 Aug 2019 23:22

Instrument :
 BNA_F
 ClientSampled :
 RBR-2000030

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.6	118.0
167	16.3	10.9	16.3

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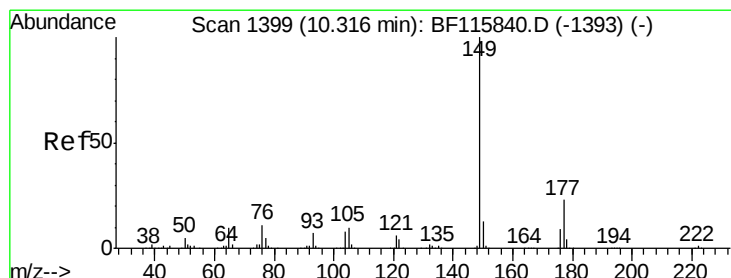
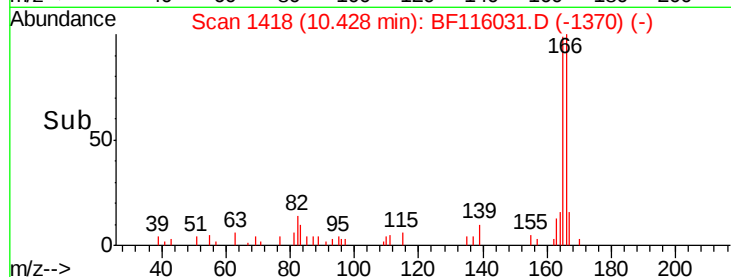
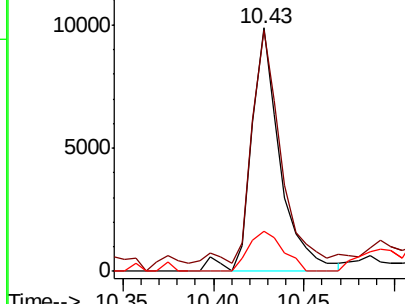


Abundance

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



#60
 Diethylphthalate
 Concen: 0.078 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF116031.D
 Acq: 6 Aug 2019 23:22

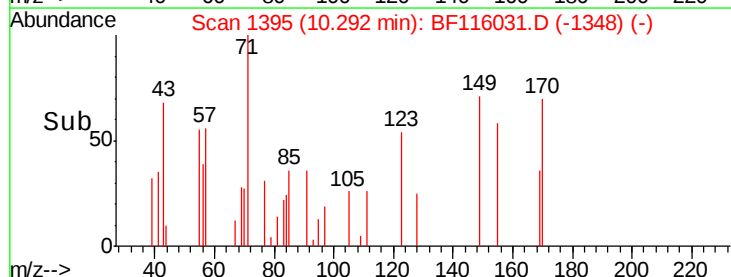
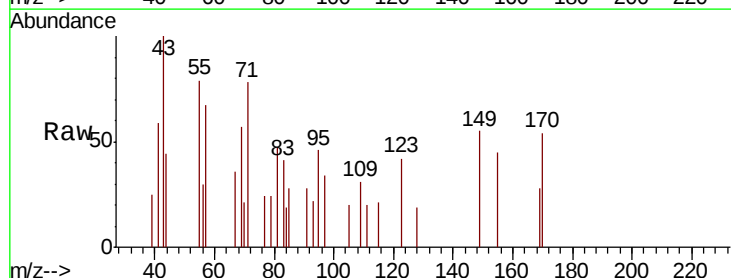
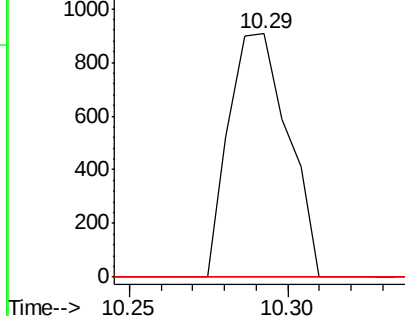
Tgt Ion	Ratio	Lower	Upper
149	100		
177	0.0	18.4	27.6
150	0.0	10.1	15.1

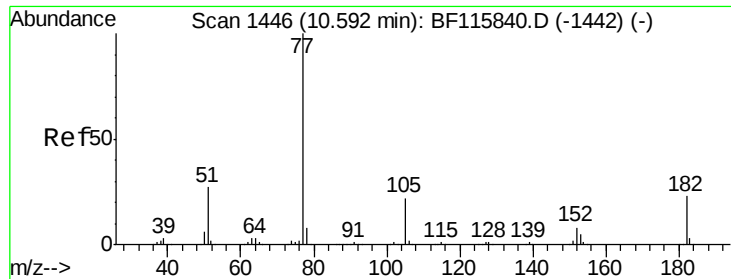
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





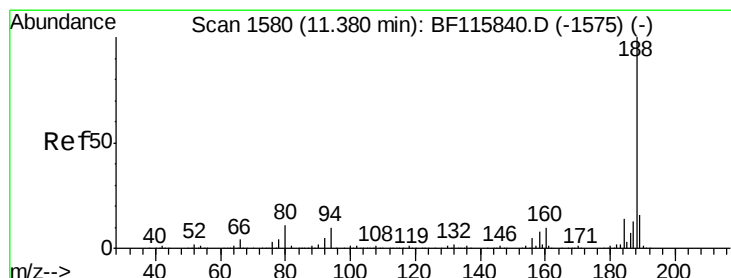
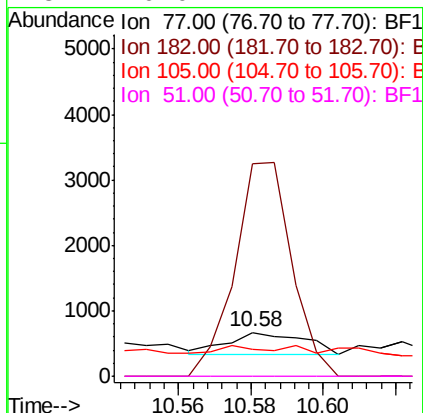
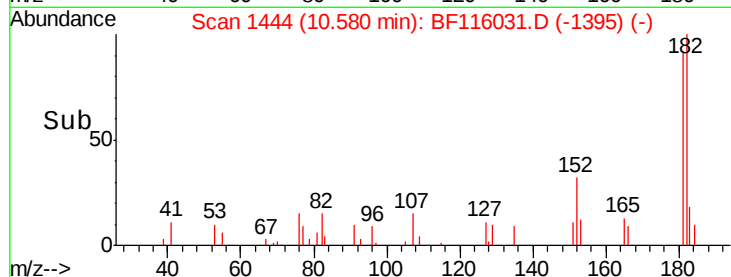
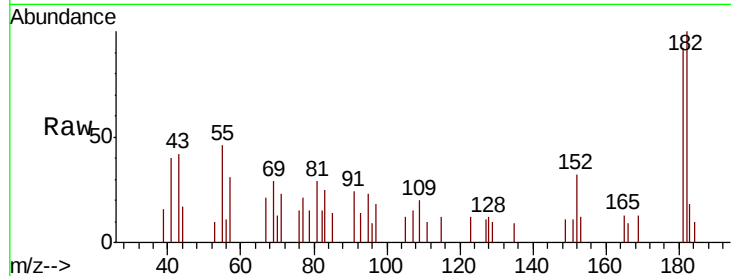
#63
Azobenzene
Concen: 0.031 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
77	100		
182	482.9	2.6	42.6#
105	59.8	1.6	41.6#
51	0.0	7.4	47.4#

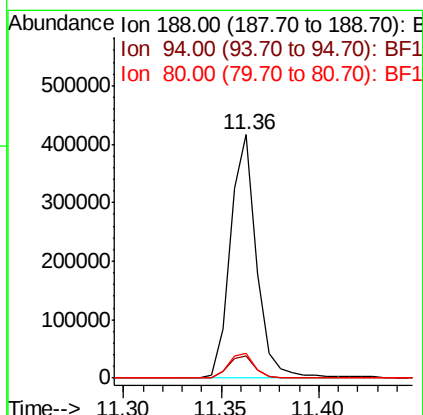
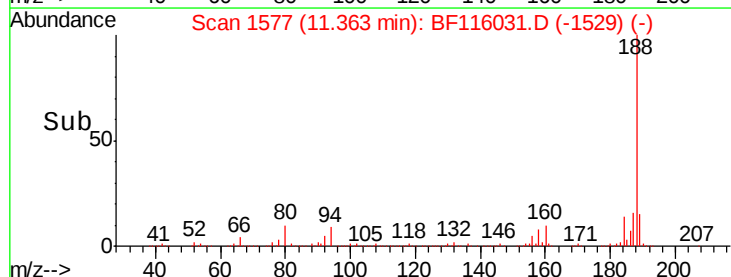
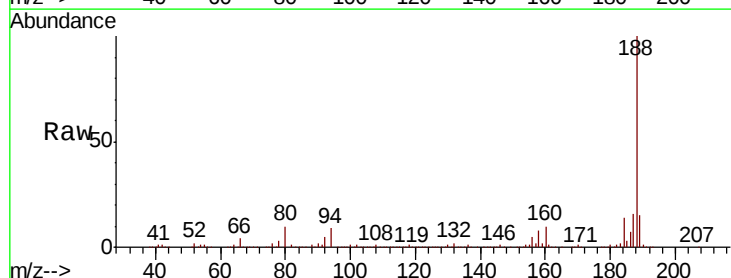
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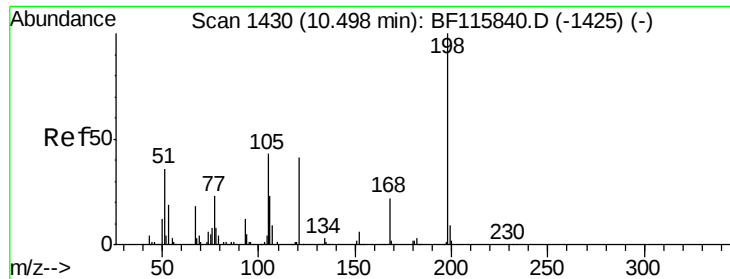
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.0	12.0
80	10.2	8.6	12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 0.151 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.16 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

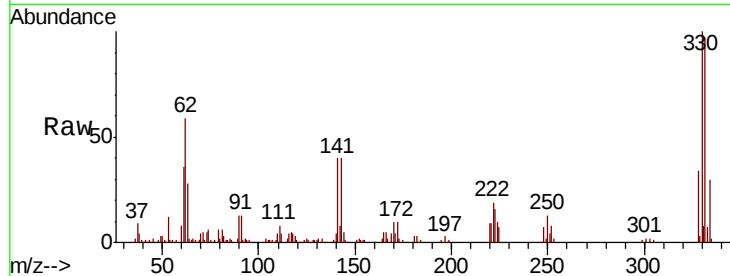
ClientSampleId :

RBR-2000030

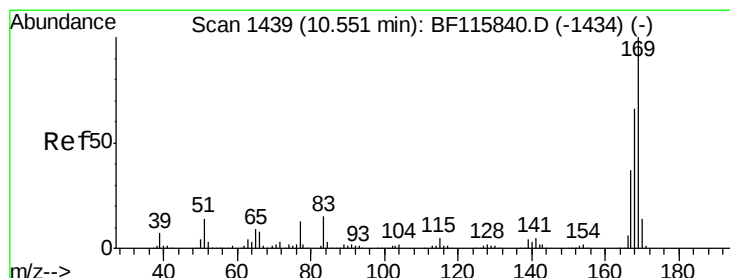
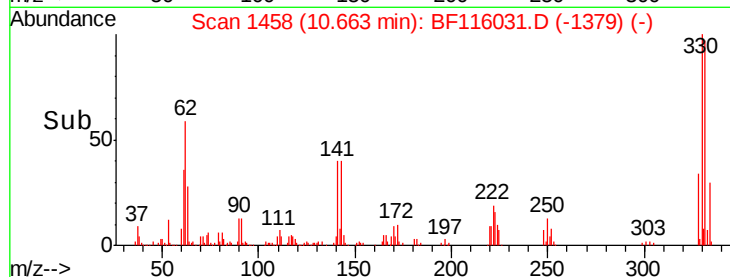
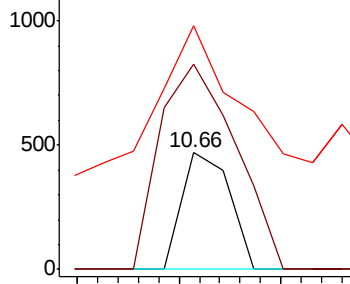
Tot Ion:	198	Resp:	307
Ion	Ratio	Lower	Upper
198	100		
51	175.7	21.1	61.1#
105	208.7	24.5	64.5#

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 0.100 ng

RT: 10.53 min Scan# 1436

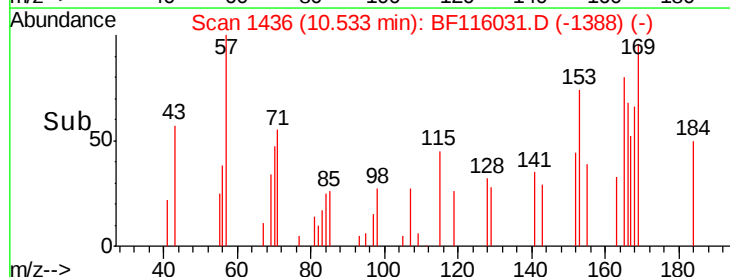
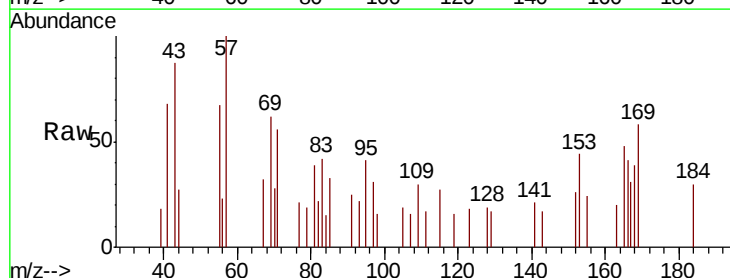
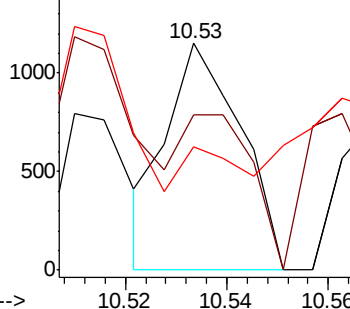
Delta R.T. -0.02 min

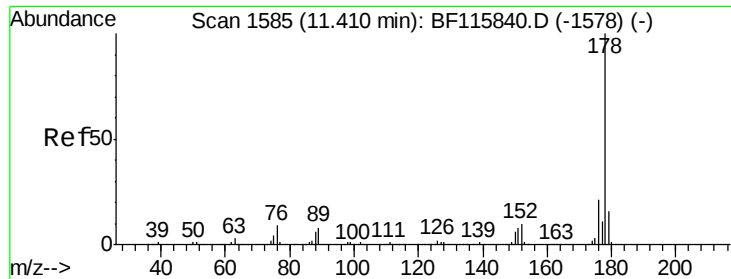
Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion:	169	Resp:	1160
Ion	Ratio	Lower	Upper
169	100		
168	68.4	53.0	79.6
167	54.3	29.9	44.9#

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





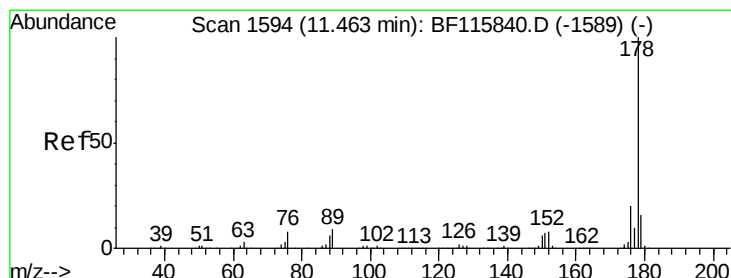
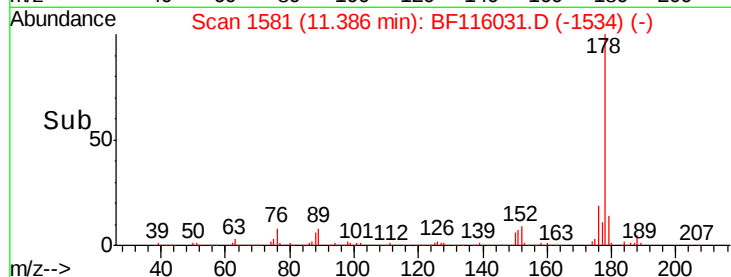
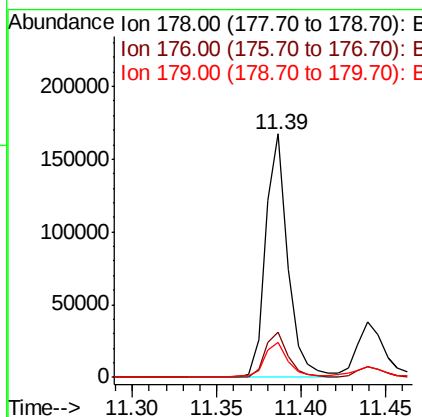
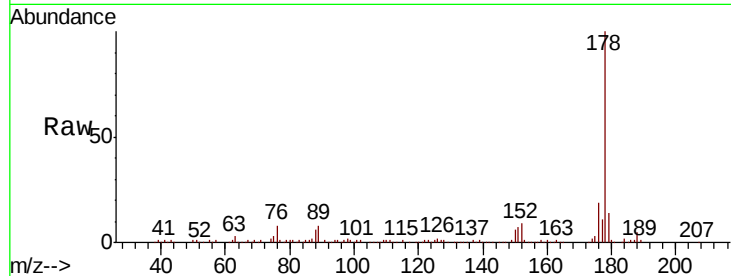
#71
Phenanthrene
Concen: 7.784 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.5	24.7
179	14.5	12.6	18.8

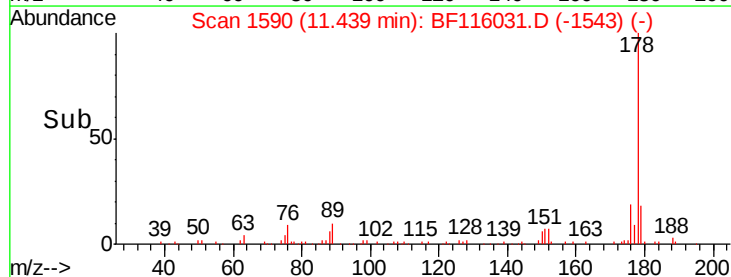
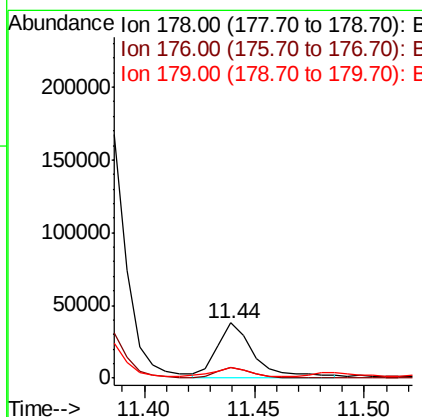
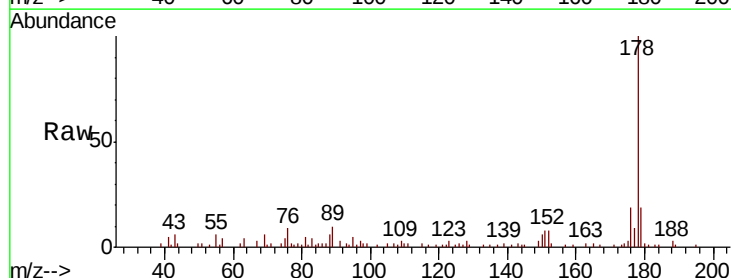
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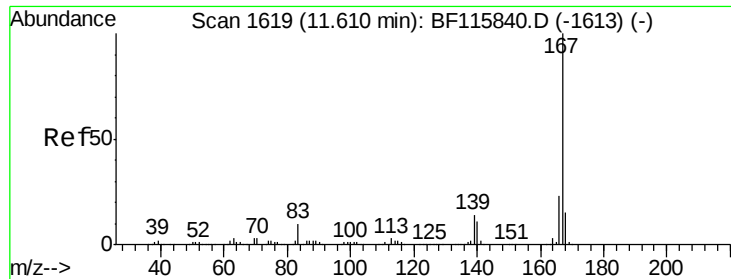
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#72
Anthracene
Concen: 2.276 ng m
RT: 11.44 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	18.6	12.4	18.6#





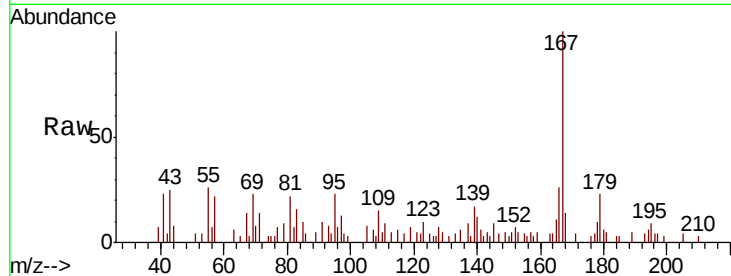
#73
 Carbazole
 Concen: 0.793 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF116031.D
 Acq: 6 Aug 2019 23:22

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000030

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.5	18.0	27.0
139	16.8	11.4	17.2

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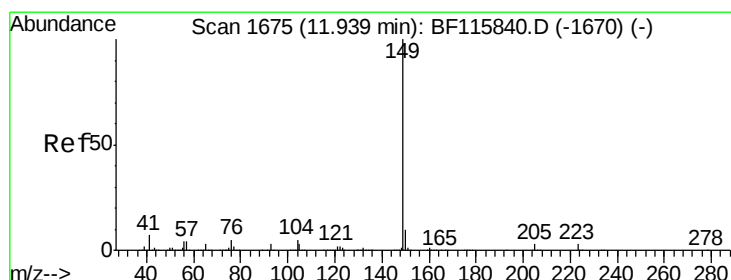
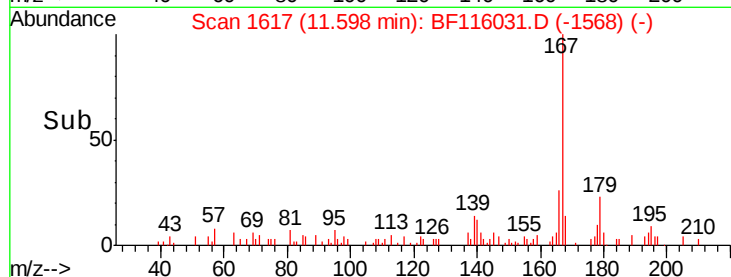
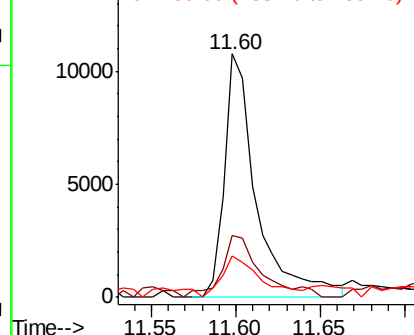


Abundance

Ion 167.00 (166.70 to 167.70): E

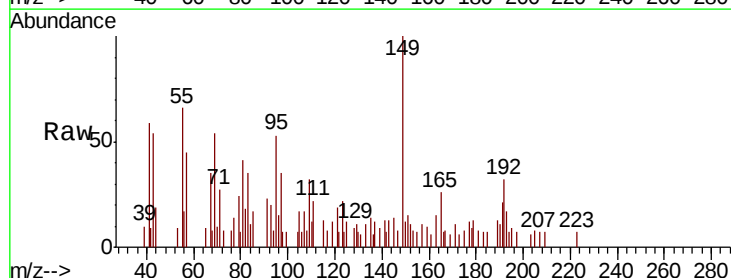
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 0.204 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. -0.02 min
 Lab File: BF116031.D
 Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.1	7.7	11.5#
104	7.5	4.3	6.5#

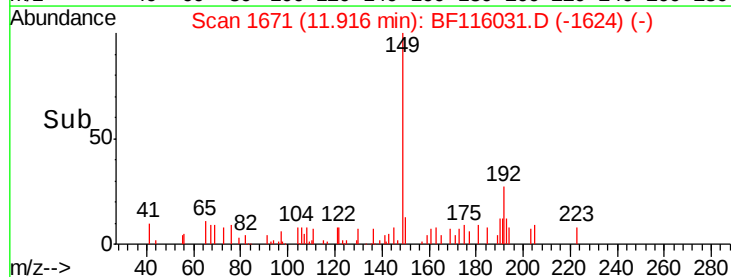
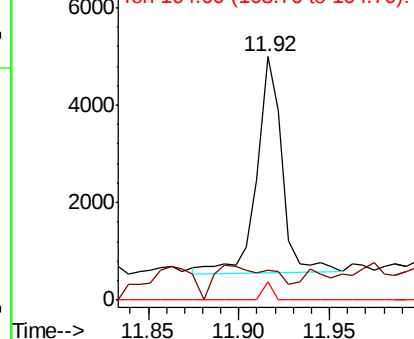


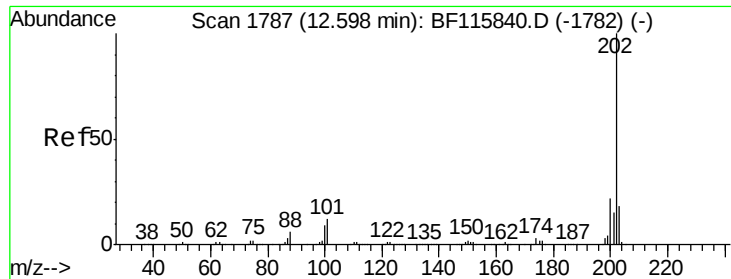
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 15.323 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

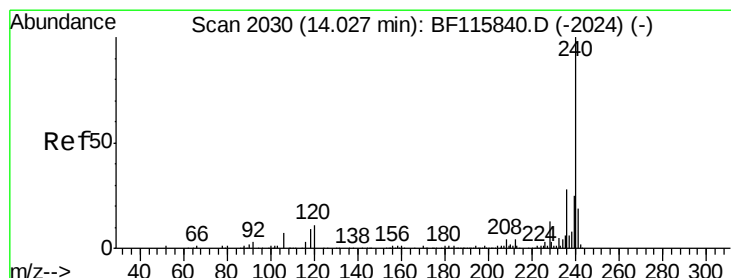
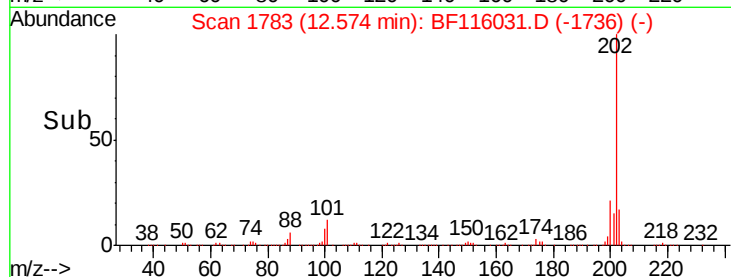
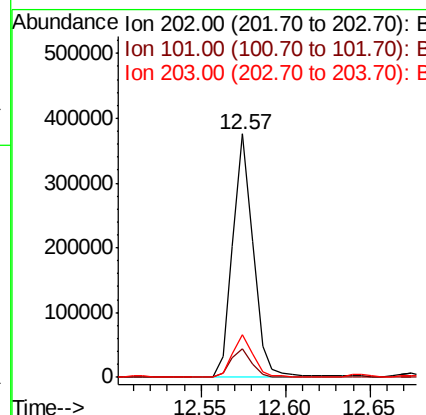
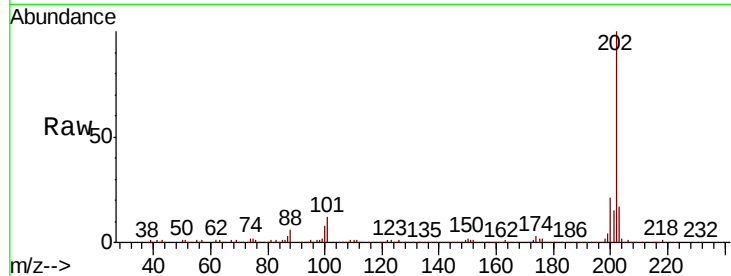
ClientSampleId :

RBR-2000030

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	31.5
203	17.3	0.0	37.9

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#76

Chrysene-d12

Concen: 20.000 ng

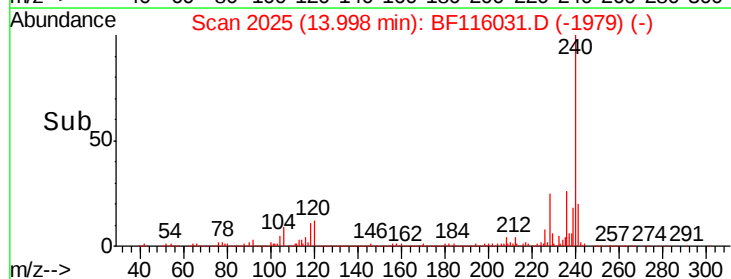
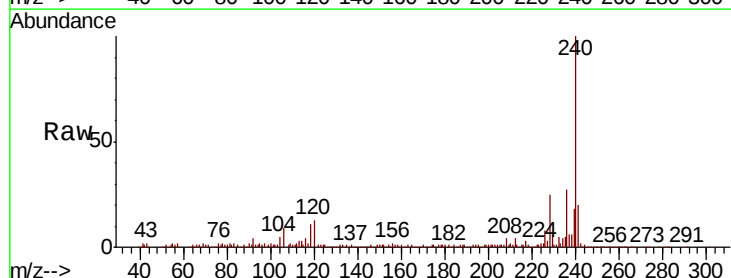
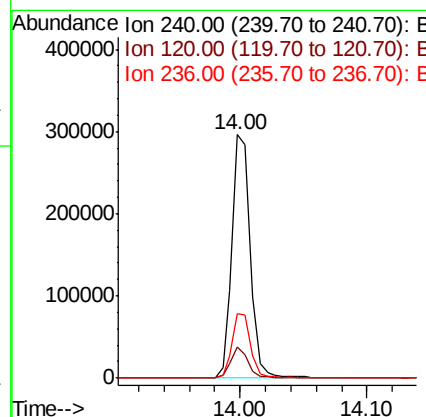
RT: 14.00 min Scan# 2025

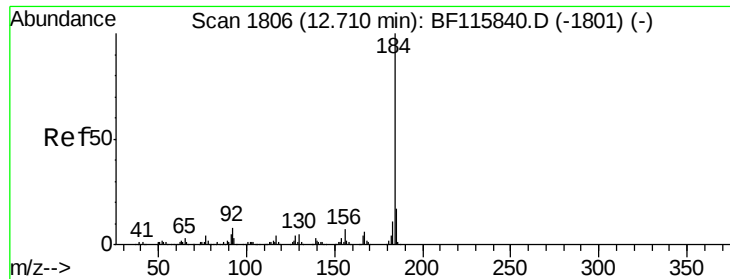
Delta R.T. -0.03 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.6	8.5	12.7
236	26.6	22.2	33.2





#77

Benzidine

Concen: 1.194 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.23 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

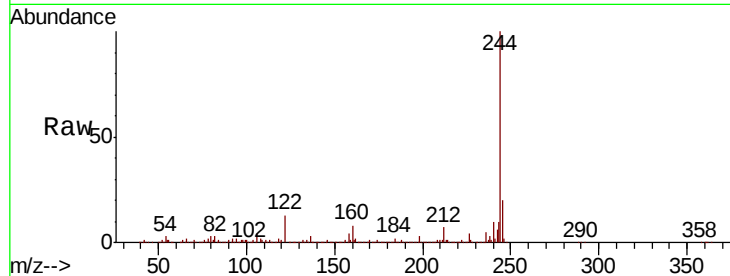
ClientSampleId :

RBR-2000030

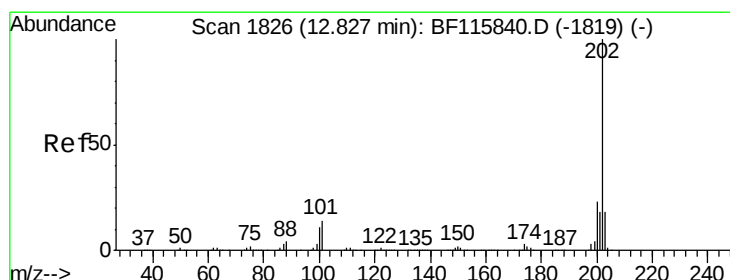
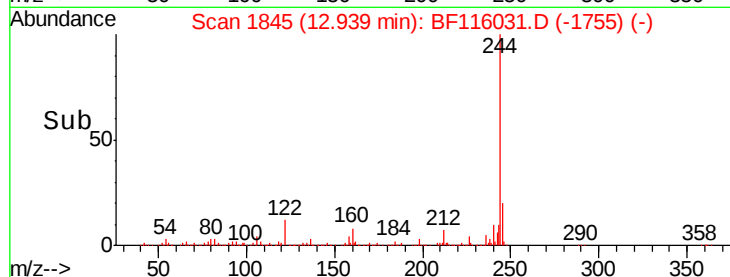
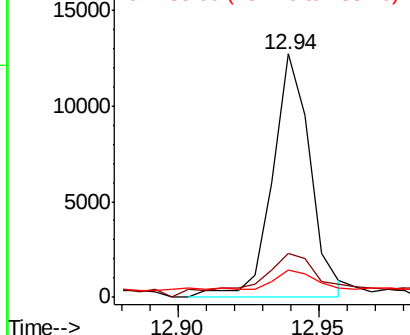
Tot Ion:	184	Resp:	11863
Ion Ratio	Lower	Upper	
184	100		
185	17.9	13.4	20.2
183	10.9	9.1	13.7

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 13.362 ng

RT: 12.80 min Scan# 1822

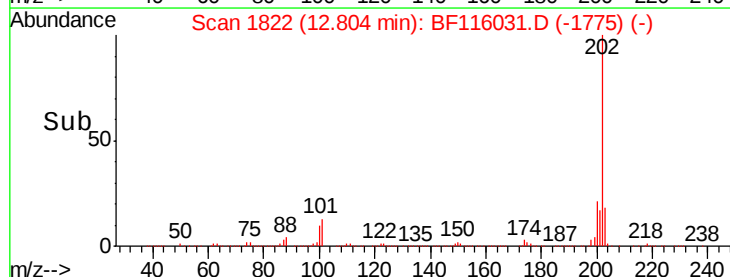
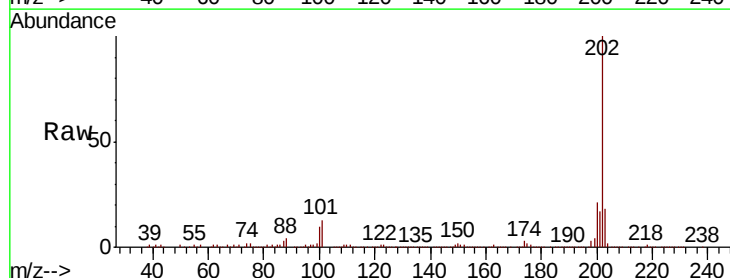
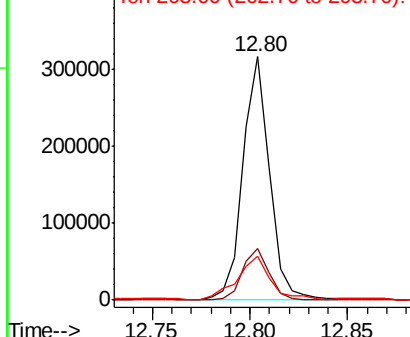
Delta R.T. -0.02 min

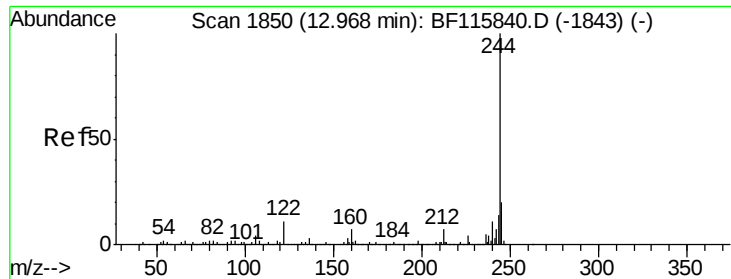
Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion:	202	Resp:	296329
Ion Ratio	Lower	Upper	
202	100		
200	21.4	18.2	27.2
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





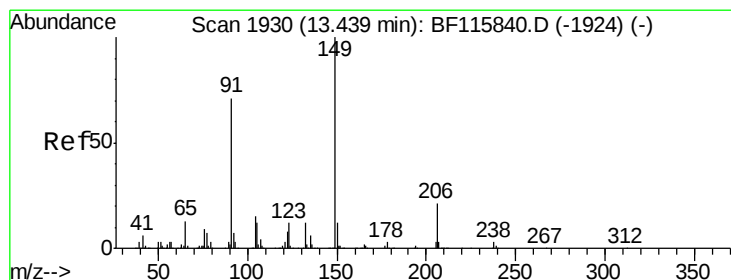
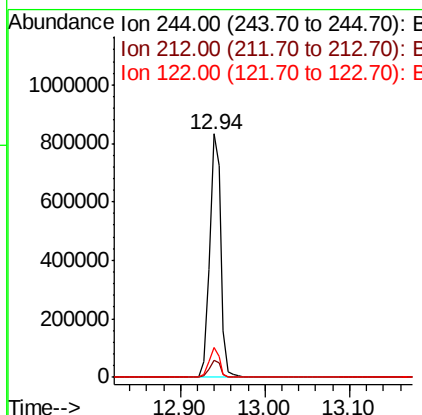
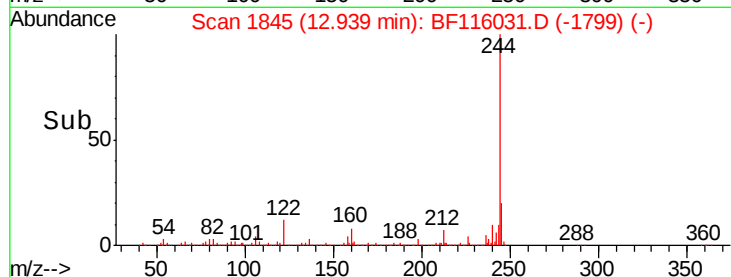
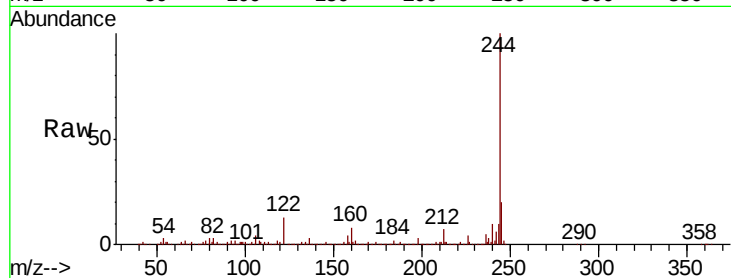
#79
 Terphenyl-d14
 Concen: 55.690 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.03 min
 Lab File: BF116031.D
 Acq: 6 Aug 2019 23:22

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000030

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	12.5	8.6	13.0

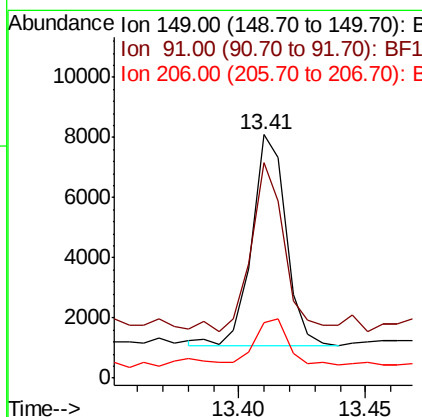
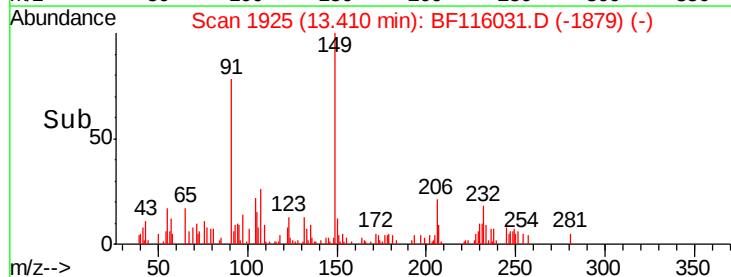
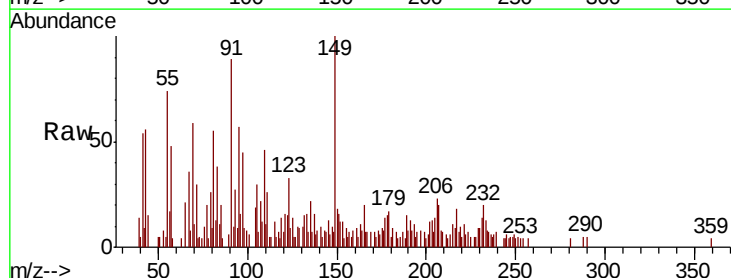
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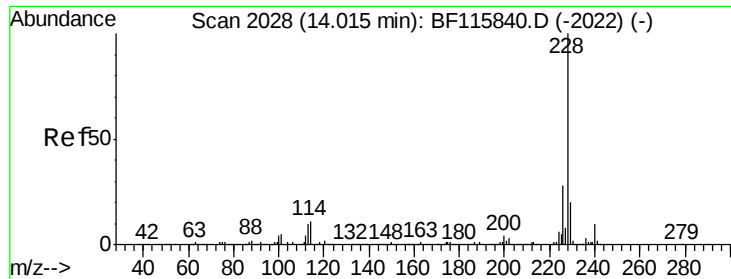
mohammad
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#80
 Butylbenzylphthalate
 Concen: 0.703 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.03 min
 Lab File: BF116031.D
 Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
149	100		
91	88.5	57.0	85.6#
206	22.5	16.9	25.3





#81

Benzo(a)anthracene

Concen: 8.407 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

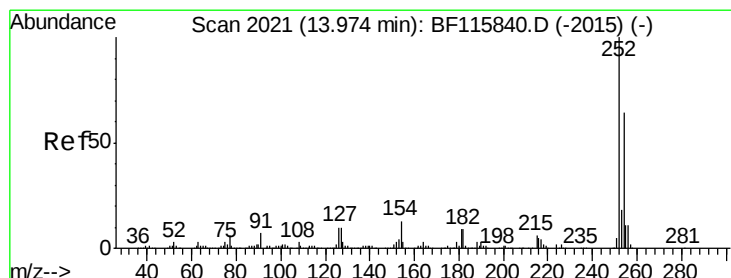
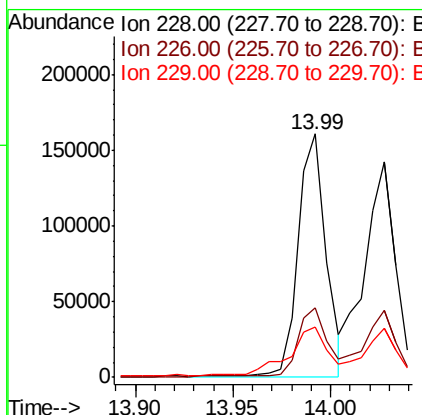
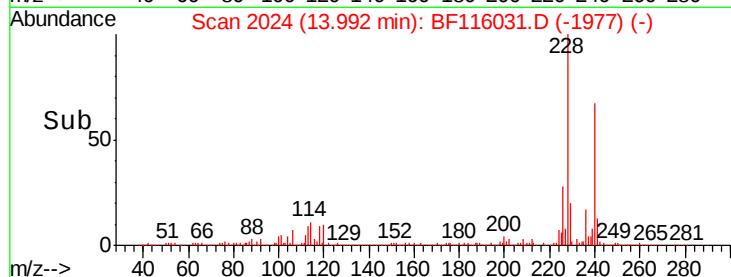
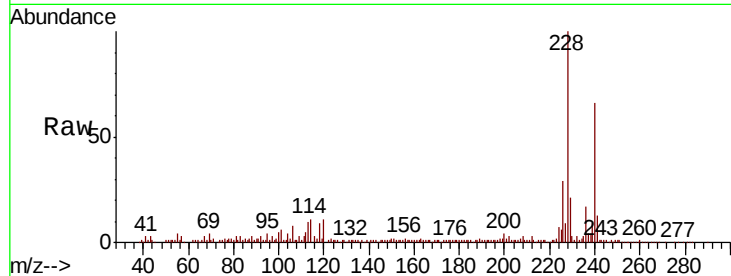
ClientSampleId :

RBR-2000030

Tot Ion:	228	Resp:	158089
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.5	33.7
229	20.8	16.1	24.1

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#82

3,3'-Dichlorobenzidine

Concen: 0.082 ng

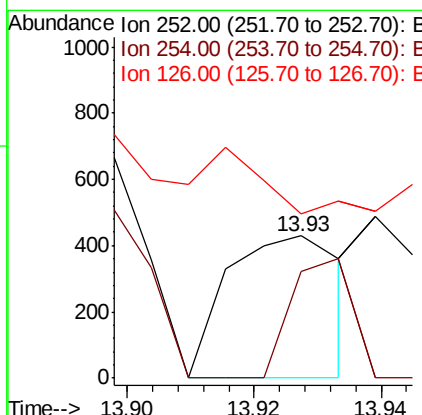
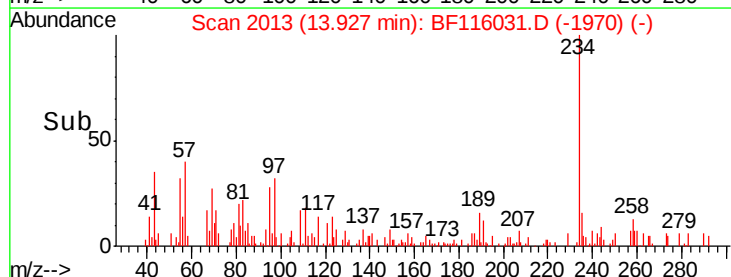
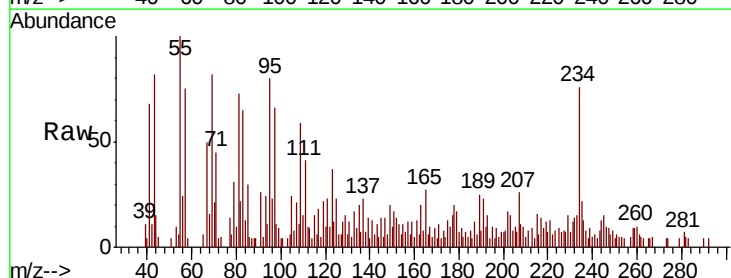
RT: 13.93 min Scan# 2013

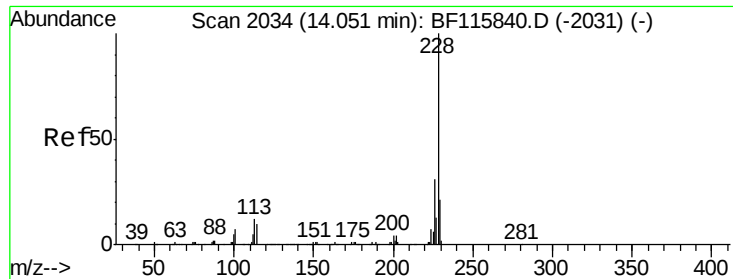
Delta R.T. -0.05 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion:	252	Resp:	535
Ion Ratio	Lower	Upper	
252	100		
254	75.1	51.2	76.8
126	115.6	8.1	12.1#





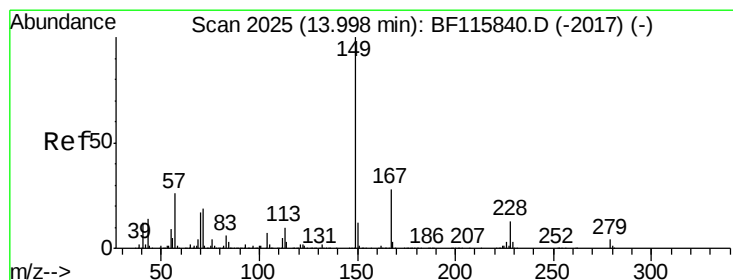
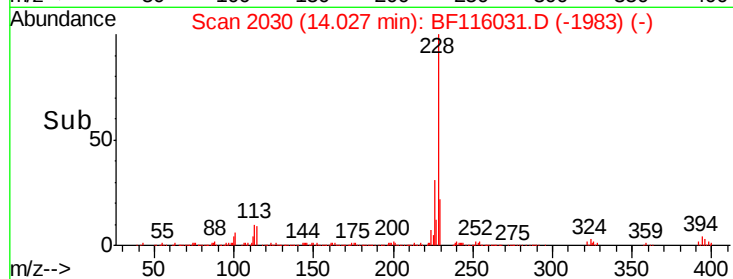
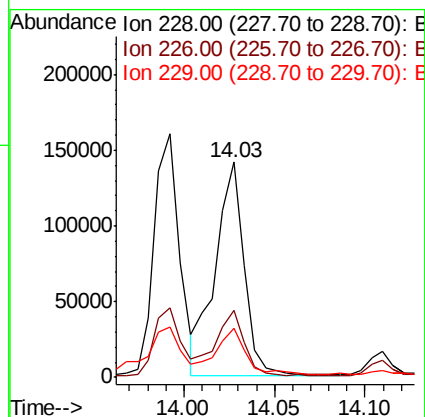
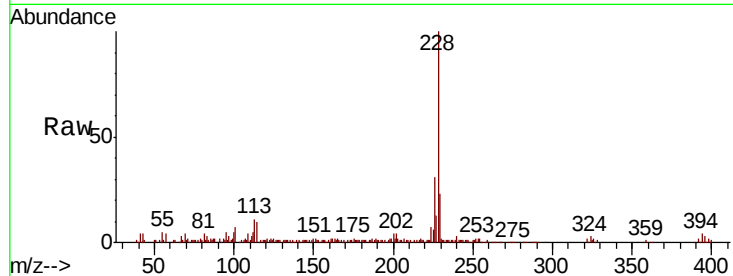
#83
Chrysene
Concen: 8.689 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.8	37.2
229	22.7	16.4	24.6

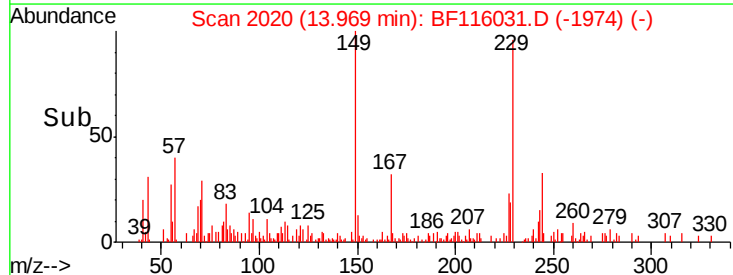
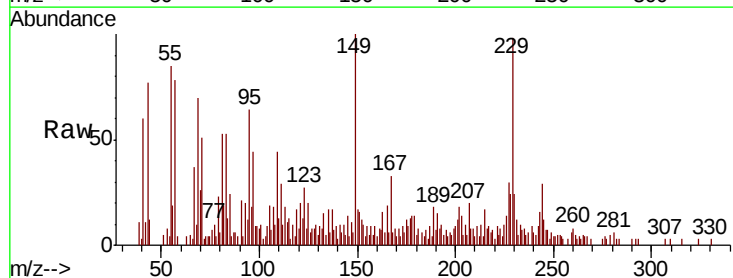
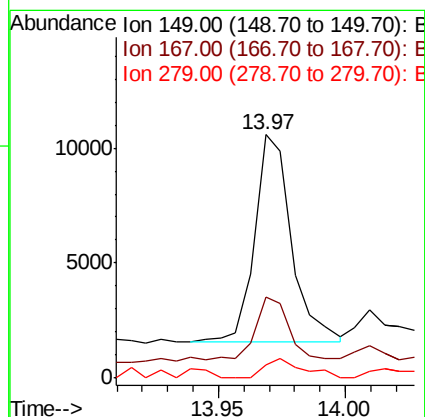
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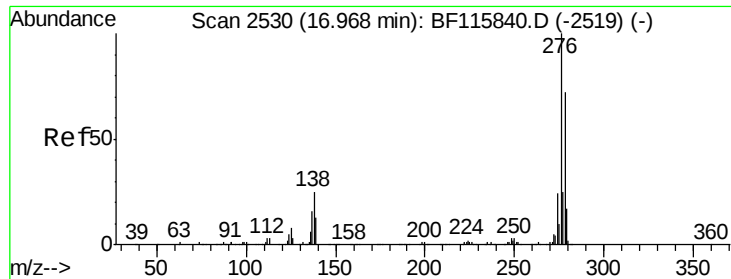
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#84
Bis(2-ethylhexyl)phthalate
Concen: 0.743 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.4	22.4	33.6
279	5.3	3.3	4.9#





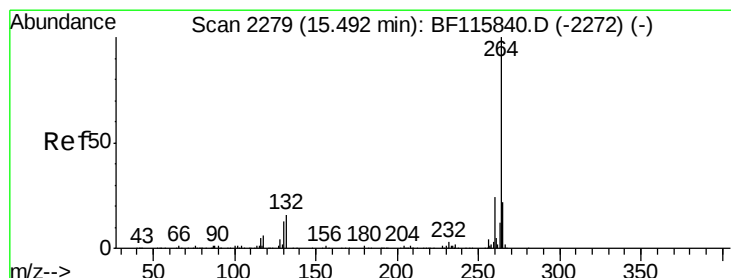
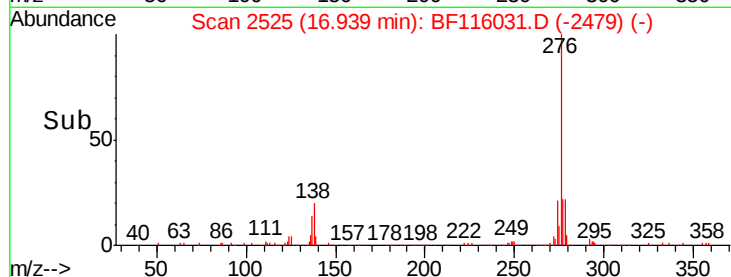
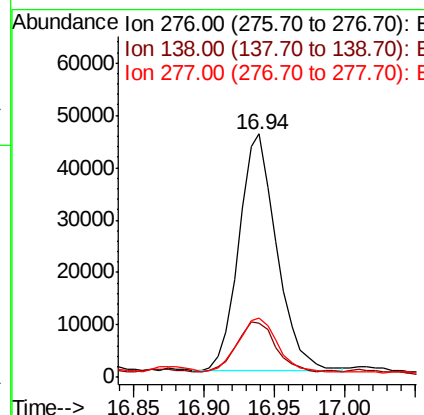
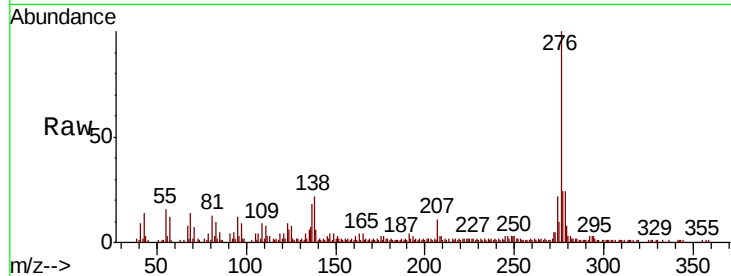
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.535 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	19.6	29.4
277	23.6	20.1	30.1

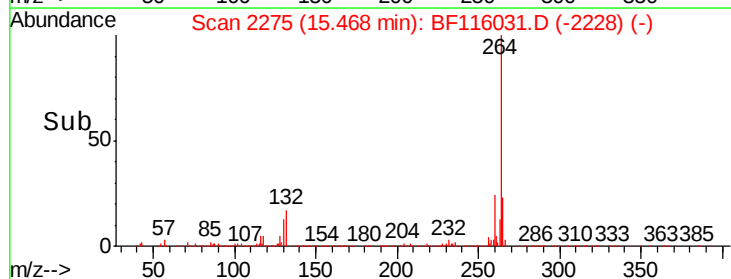
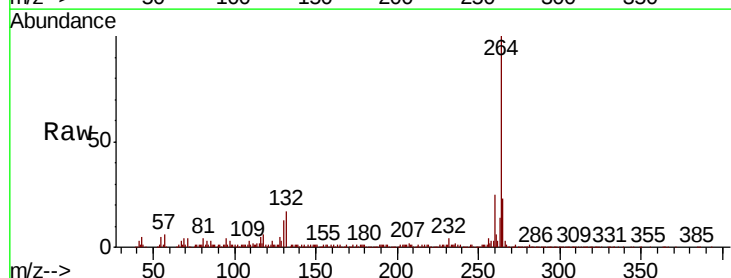
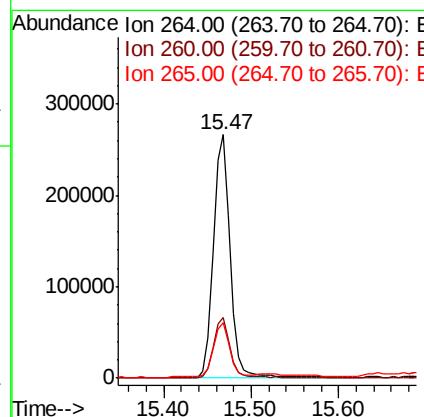
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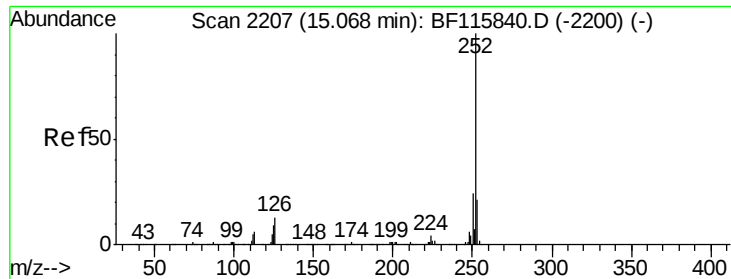
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.02 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	22.8	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 10.185 ng m

RT: 15.04 min Scan# 2202

Delta R.T. -0.03 min

Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Instrument :

BNA_F

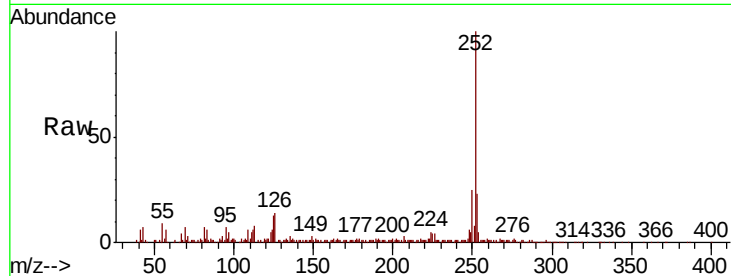
ClientSampleId :

RBR-2000030

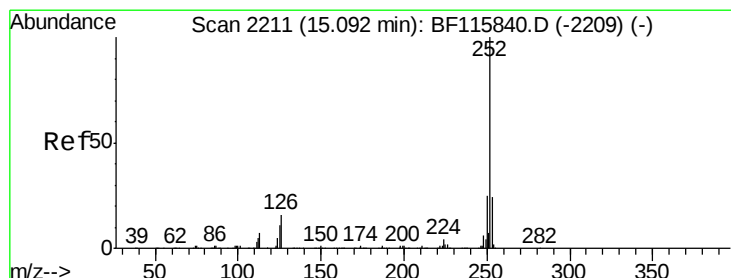
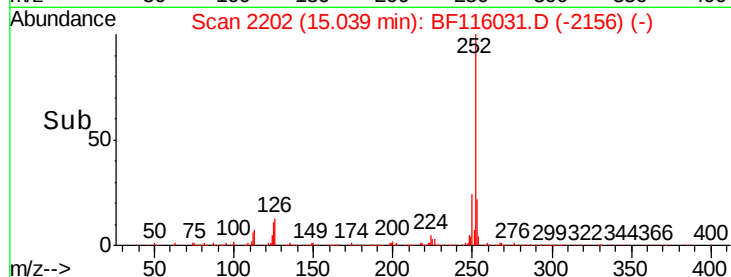
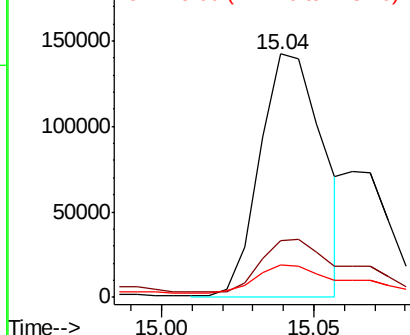
Tot Ion:	252	Resp:	205893
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	13.4	7.4	11.0#

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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



#89

Benzo(k)fluoranthene

Concen: 4.116 ng m

RT: 15.06 min Scan# 2206

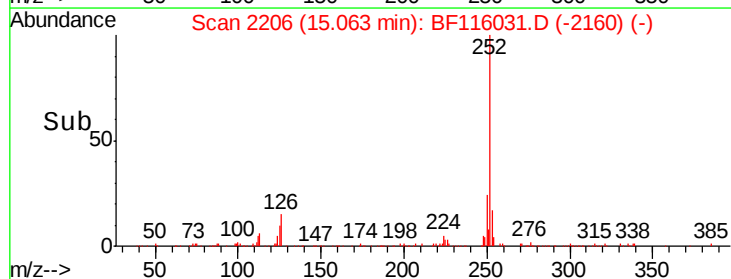
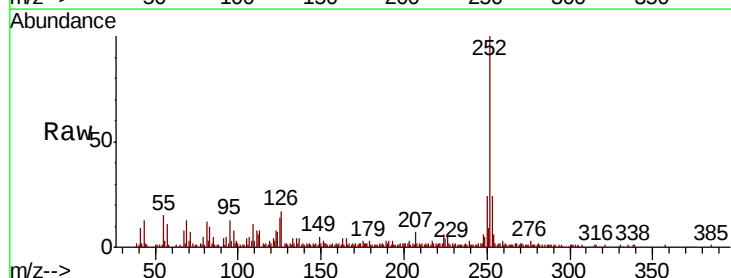
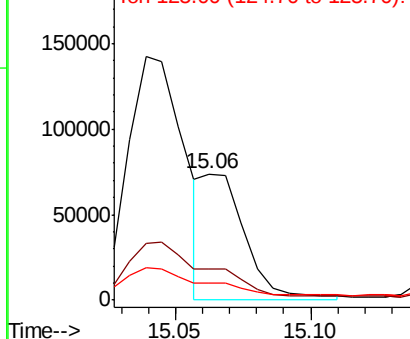
Delta R.T. -0.03 min

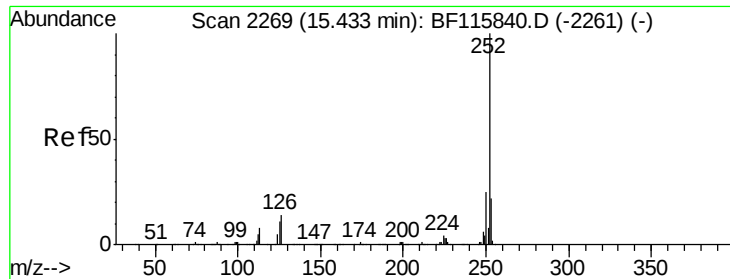
Lab File: BF116031.D

Acq: 6 Aug 2019 23:22

Tgt Ion:	252	Resp:	81041
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.2	27.4
125	13.9	8.9	13.3#

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





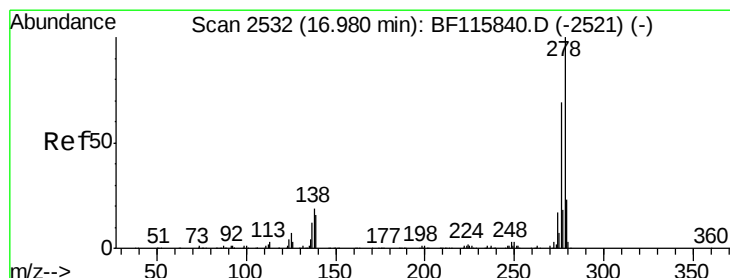
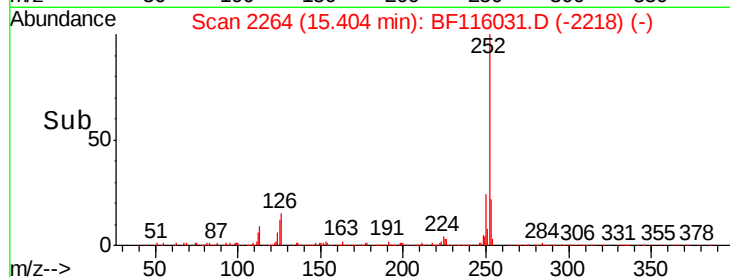
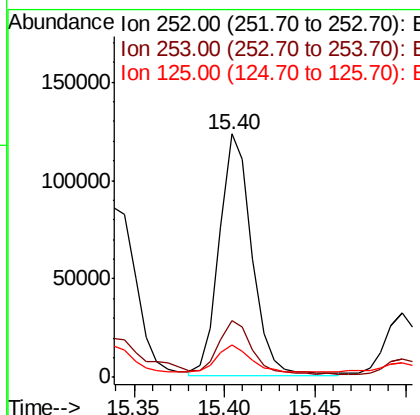
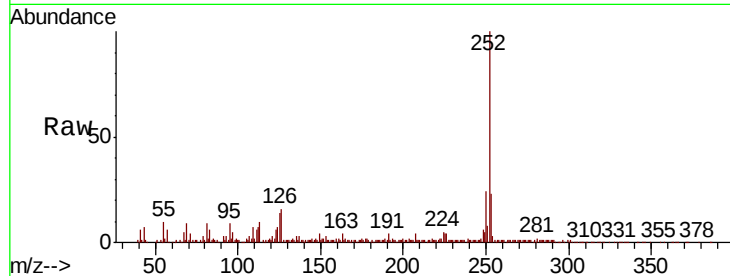
#90
Benzo(a)pyrene
Concen: 8.474 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.03 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Instrument :
BNA_F
ClientSampleId :
RBR-2000030

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	13.5	8.8	13.2

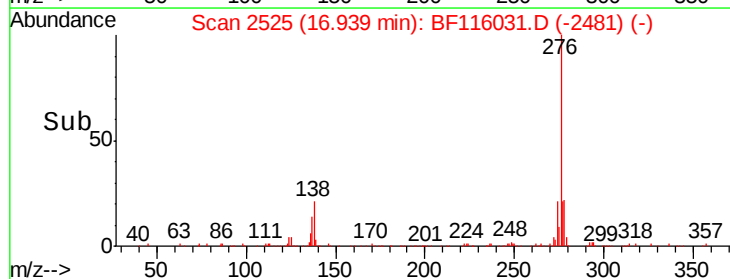
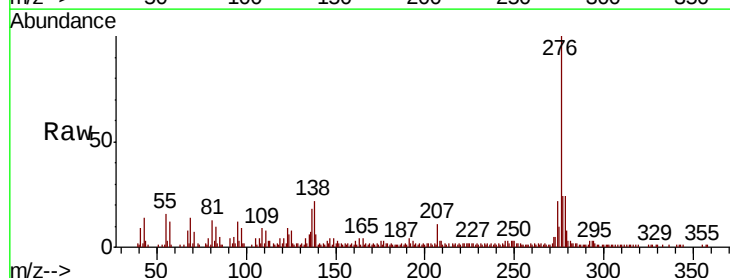
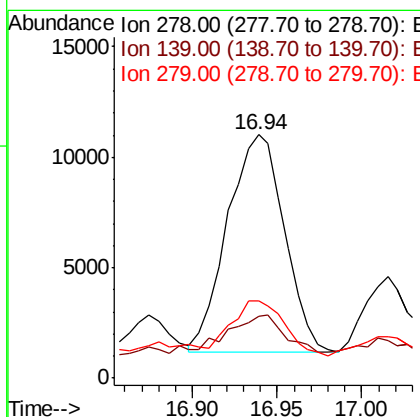
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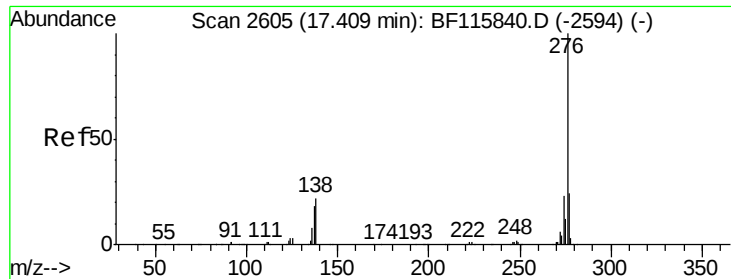
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#91
Dibenzo(a,h)anthracene
Concen: 1.468 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.04 min
Lab File: BF116031.D
Acq: 6 Aug 2019 23:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	12.6	19.0
279	31.7	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 5.475 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.03 min
 Lab File: BF116031.D
 Acq: 6 Aug 2019 23:22

Instrument :
 BNA_F
 ClientSampleId :
 RBR-2000030

Tot Ion:	276	Resp:	84109
Ion Ratio		Lower	Upper
276	100		
277	23.9	19.5	29.3
138	22.9	17.8	26.8

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