

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016538.D
 Acq On : 27 Sep 2021 08:39
 Operator : CG/JU
 Sample : M3892-14
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 11:01:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 03:35:41 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

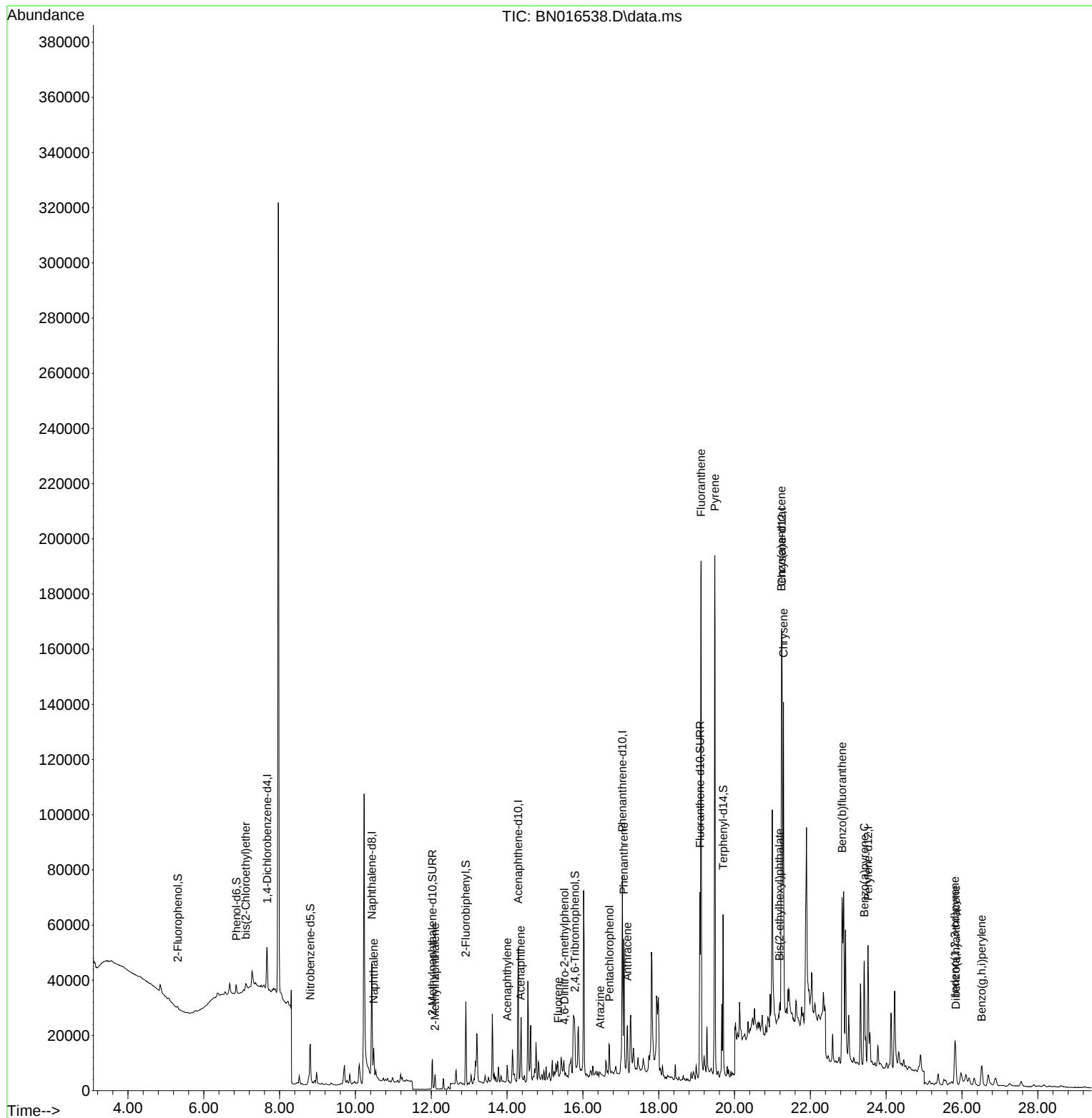
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	9348	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	51009	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	22116	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	83758	0.400	ng	0.00
29) Chrysene-d12	21.248	240	97356	0.400	ng	# 0.00
35) Perylene-d12	23.522	264	55048	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.309	112	843	0.040	ng	0.03
5) Phenol-d6	6.858	99	2806	0.113	ng	0.00
8) Nitrobenzene-d5	8.809	82	12205	0.338	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	14404	0.191	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	3416	0.541	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	24181	0.260	ng	-0.01
27) Fluoranthene-d10	19.087	212	77343	0.336	ng	0.00
31) Terphenyl-d14	19.698	244	57437	0.254	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.107	93	3852	0.154	ng	# 26
9) Naphthalene	10.482	128	4513	0.033	ng	# 94
12) 2-Methylnaphthalene	12.100	142	3471	0.040	ng	# 91
16) Acenaphthylene	14.002	152	5684	0.063	ng	# 92
17) Acenaphthene	14.357	154	1589	0.025	ng	# 27
18) Fluorene	15.347	166	1888	0.025	ng	# 90
20) 4,6-Dinitro-2-methylph...	15.512	198	690	0.219	ng	92
23) Atrazine	16.457	200	149	0.138	ng	# 12
24) Pentachlorophenol	16.701	266	55	0.247	ng	# 80
25) Phenanthrene	17.078	178	56107	0.225	ng	99
26) Anthracene	17.175	178	14201	0.068	ng	# 86
28) Fluoranthene	19.117	202	170580	0.624	ng	98
30) Pyrene	19.480	202	171138	0.561	ng	# 95
32) Benzo(a)anthracene	21.238	228	101491	0.359	ng	94
33) Chrysene	21.291	228	104610	0.345	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	6262	0.081	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.815	276	20528	0.115	ng	# 84
37) Benzo(b)fluoranthene	22.837	252	93588	0.509	ng	# 96
39) Benzo(a)pyrene	23.419	252	55298	0.369	ng	# 96
40) Dibenzo(a,h)anthracene	25.836	278	7246	0.048	ng	# 29
41) Benzo(g,h,i)perylene	26.520	276	15536	0.100	ng	# 91

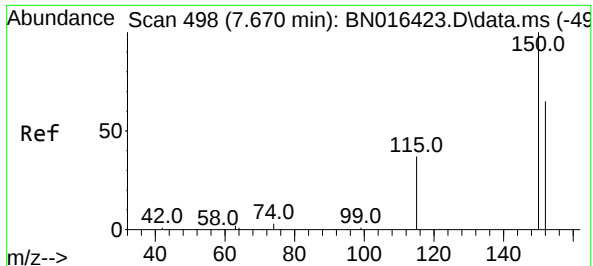
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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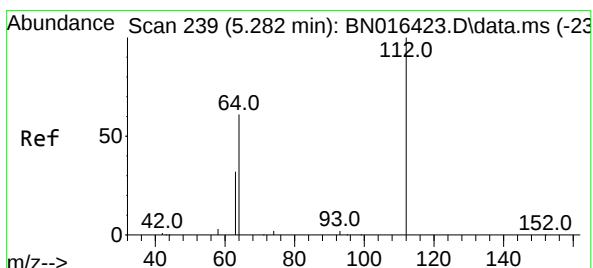
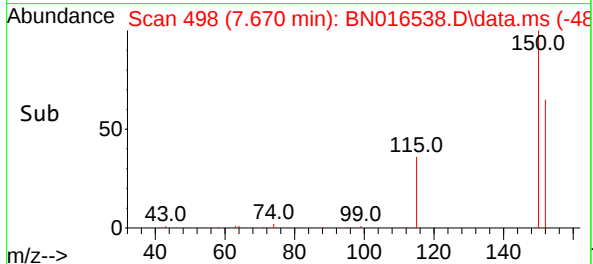
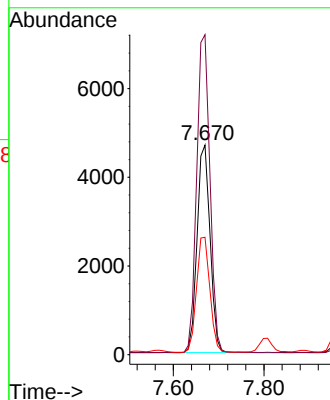
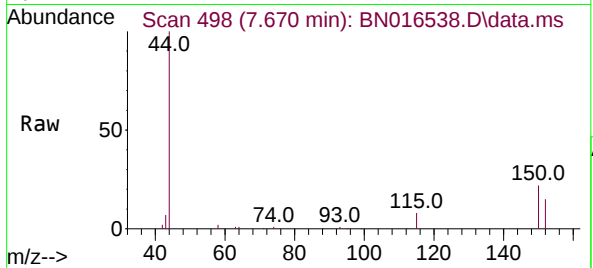




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

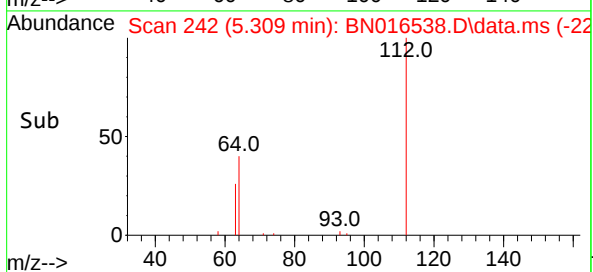
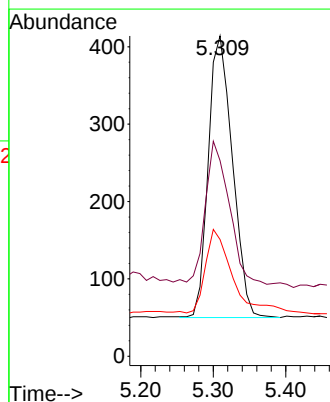
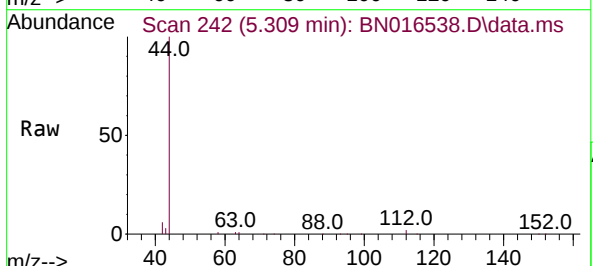
Instrument :
BNA_N
ClientSampled :

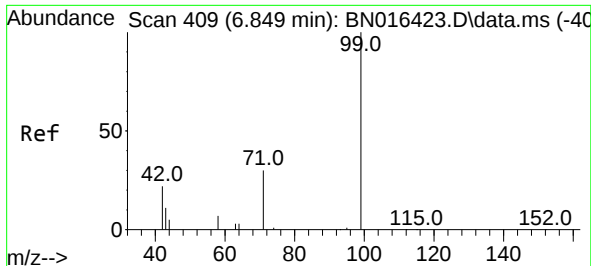
Tgt Ion:152 Resp: 9348
Ion Ratio Lower Upper
152 100
150 152.7 125.6 188.4
115 56.1 50.2 75.2



#4
2-Fluorophenol
Concen: 0.040 ng
RT: 5.309 min Scan# 242
Delta R.T. 0.028 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:112 Resp: 843
Ion Ratio Lower Upper
112 100
64 49.6 47.3 70.9
63 31.6 23.4 35.0

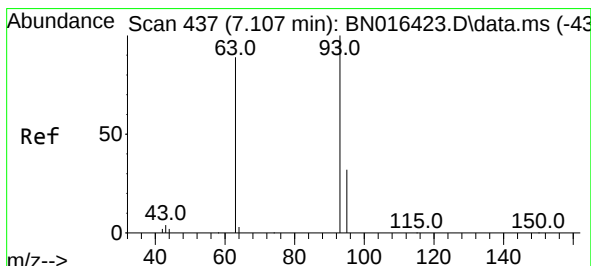
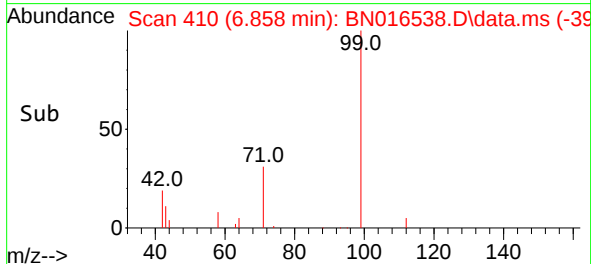
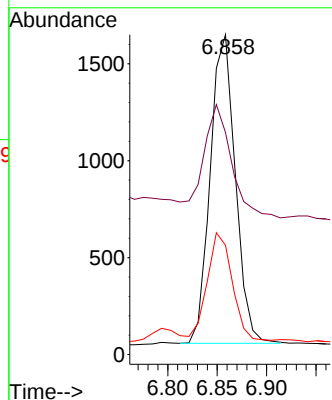
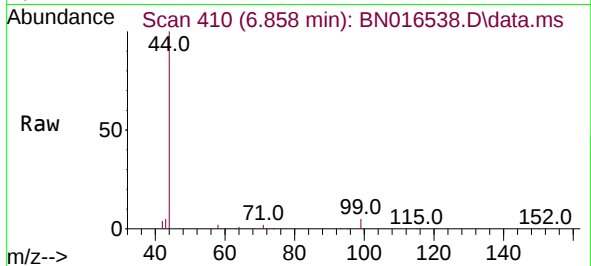




#5
Phenol-d6
Concen: 0.113 ng
RT: 6.858 min Scan# 410
Delta R.T. 0.009 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

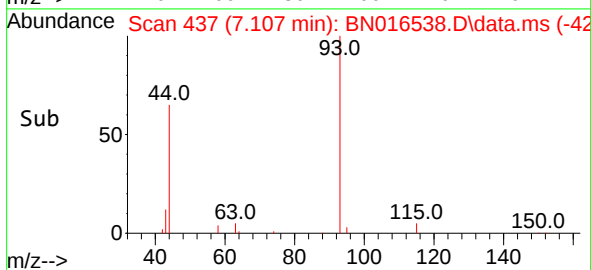
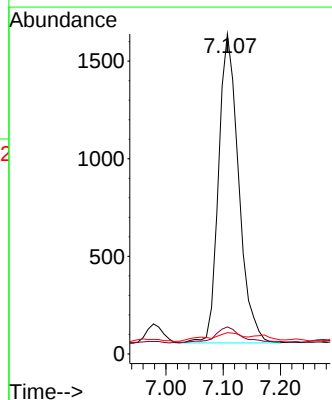
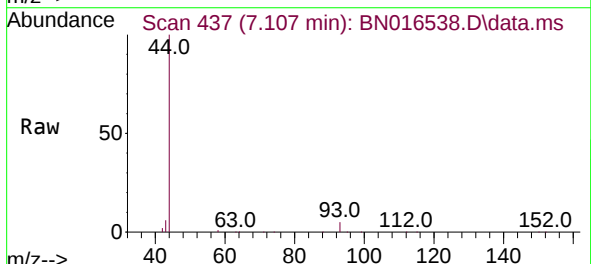
Instrument :
BNA_N
ClientSampleId :

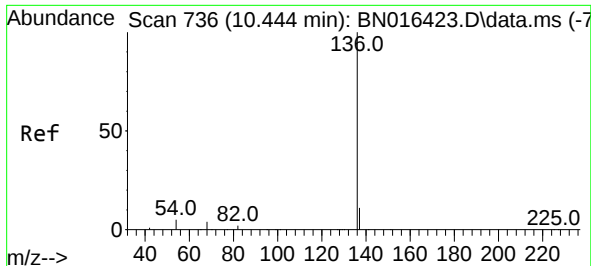
Tgt Ion: 99 Resp: 2806
Ion Ratio Lower Upper
99 100
42 41.3 14.0 21.0#
71 34.6 23.8 35.6



#6
bis(2-Chloroethyl)ether
Concen: 0.154 ng
RT: 7.107 min Scan# 437
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion: 93 Resp: 3852
Ion Ratio Lower Upper
93 100
63 6.2 63.4 95.0#
95 3.2 26.8 40.2#

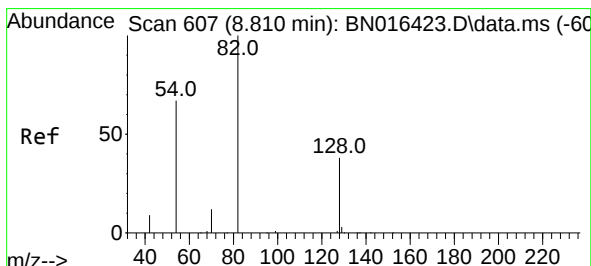
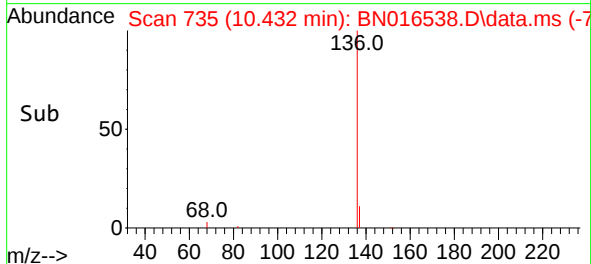
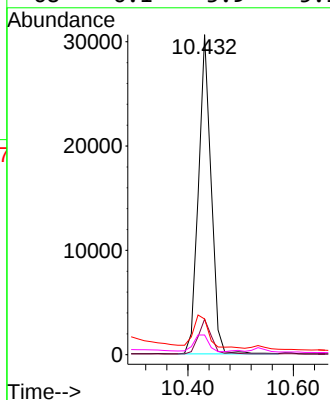
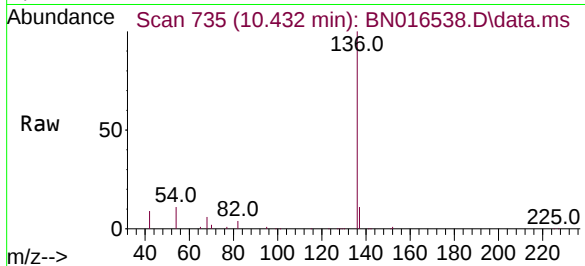




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

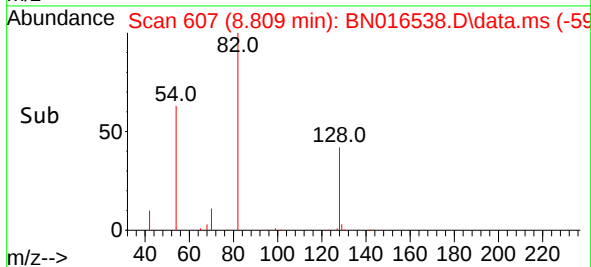
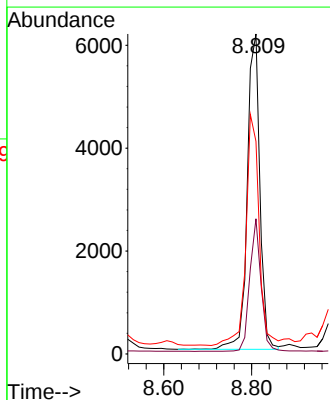
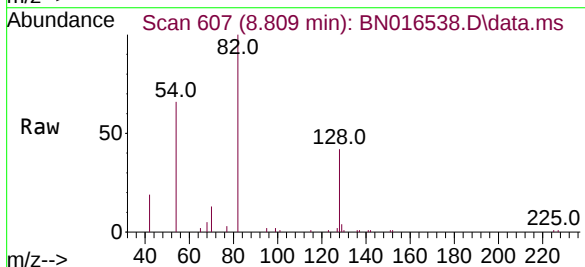
Instrument :
BNA_N
ClientSampleId :

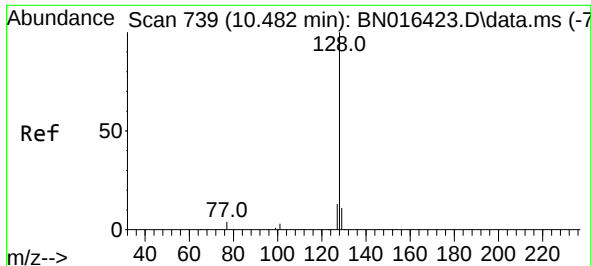
Tgt Ion:	136	Resp:	51009
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	11.1	5.3	7.9#
68	6.1	3.9	5.9#



#8
Nitrobenzene-d5
Concen: 0.338 ng
RT: 8.809 min Scan# 607
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:	82	Resp:	12205
Ion Ratio	Lower	Upper	
82	100		
128	42.3	31.7	47.5
54	66.4	46.4	69.6

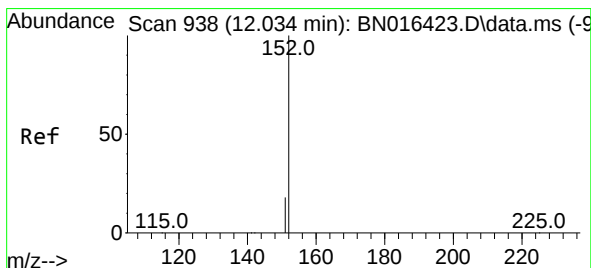
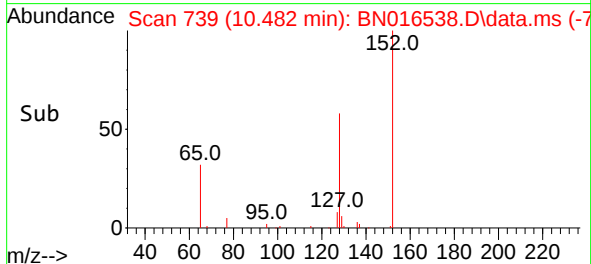
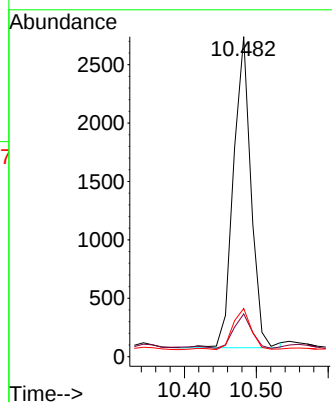
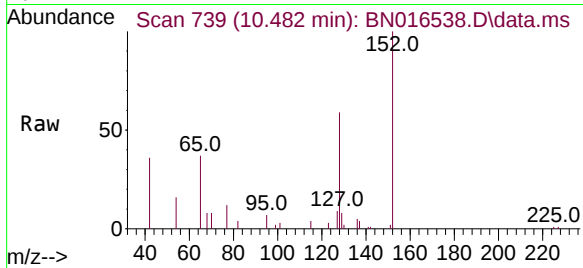




#9
Naphthalene
Concen: 0.033 ng
RT: 10.482 min Scan# 739
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

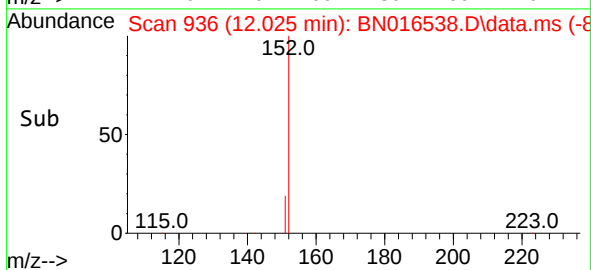
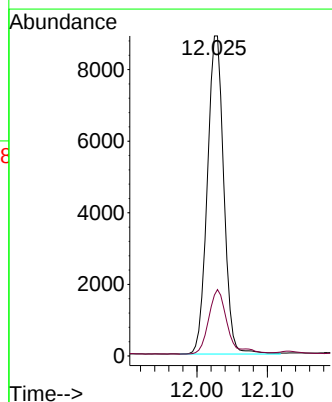
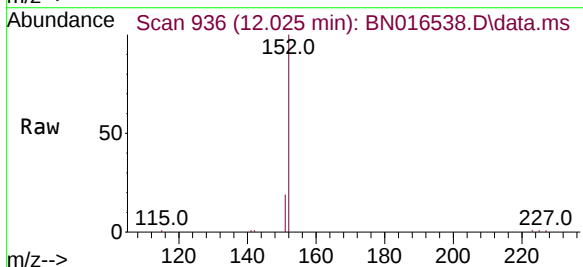
Instrument :
BNA_N
ClientSampled :

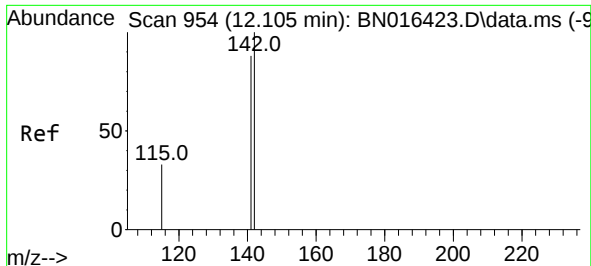
Tgt Ion:128 Resp: 4513
Ion Ratio Lower Upper
128 100
129 13.4 8.9 13.3#
127 15.0 10.1 15.1



#11
2-Methylnaphthalene-d10
Concen: 0.191 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:152 Resp: 14404
Ion Ratio Lower Upper
152 100
151 23.1 16.1 24.1

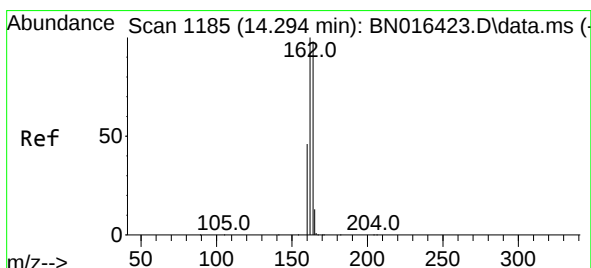
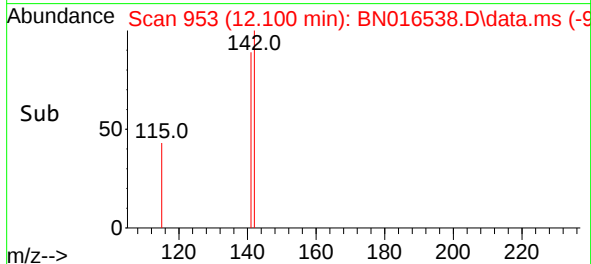
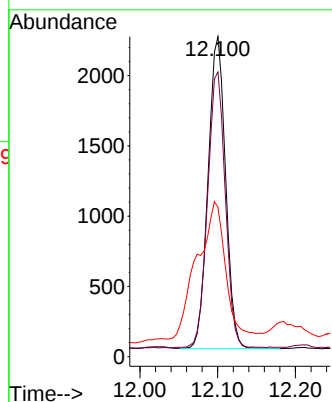
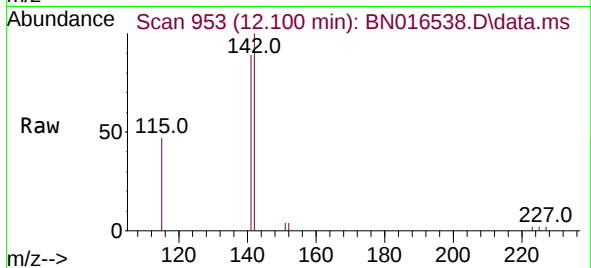




#12
2-Methylnaphthalene
Concen: 0.040 ng
RT: 12.100 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

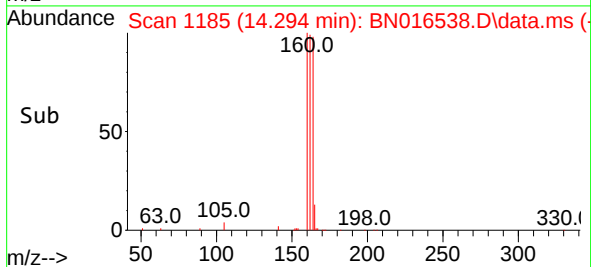
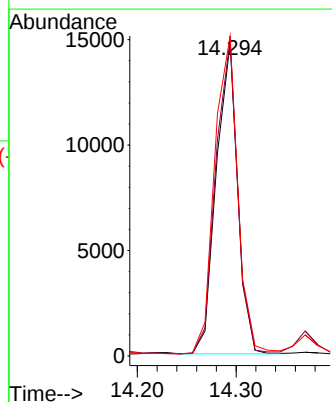
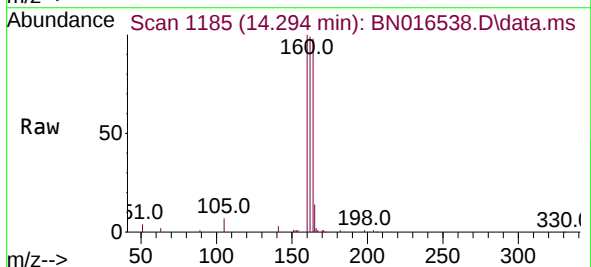
Instrument :
BNA_N
ClientSampleId :

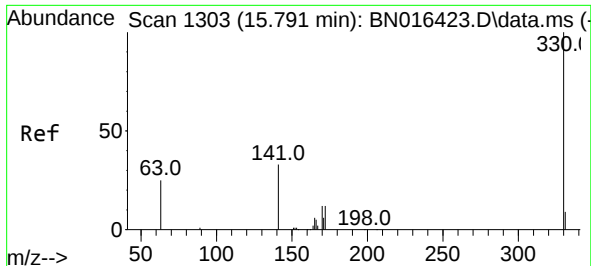
Tgt Ion:142 Resp: 3471
Ion Ratio Lower Upper
142 100
141 88.9 69.8 104.8
115 46.7 24.4 36.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:164 Resp: 22116
Ion Ratio Lower Upper
164 100
162 101.0 79.0 118.4
160 102.1 34.1 51.1#

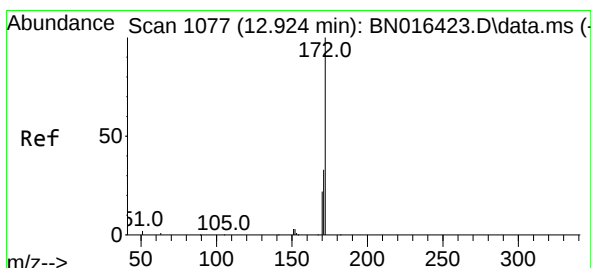
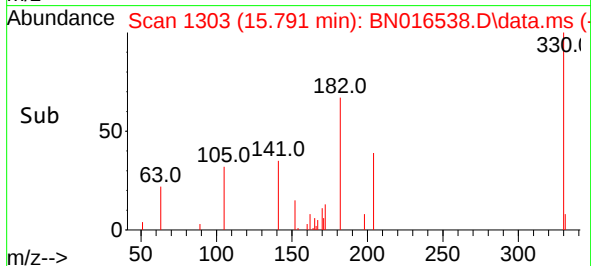
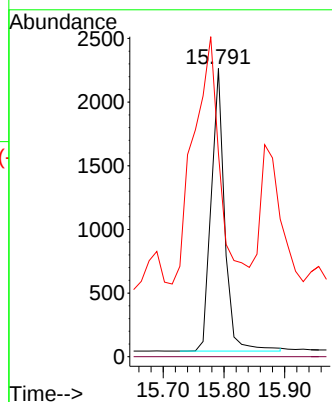
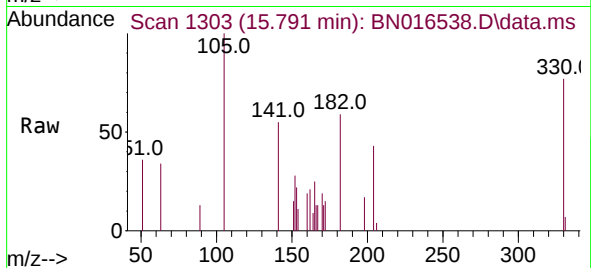




#14
2,4,6-Tribromophenol
Concen: 0.541 ng
RT: 15.791 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

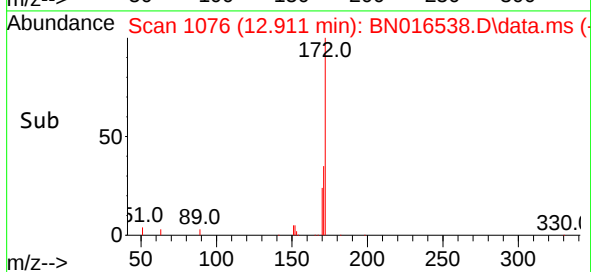
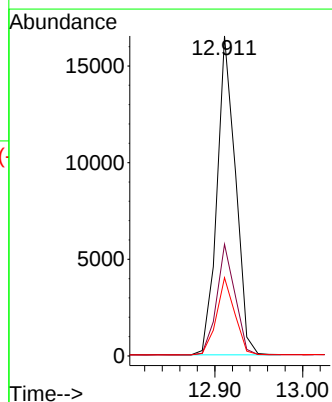
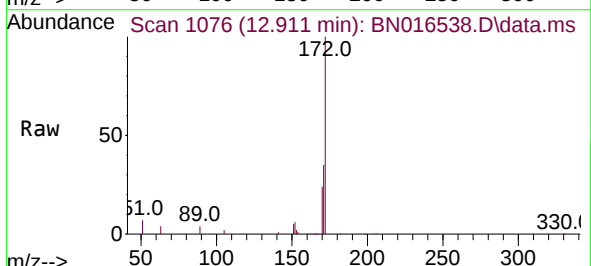
Instrument :
BNA_N
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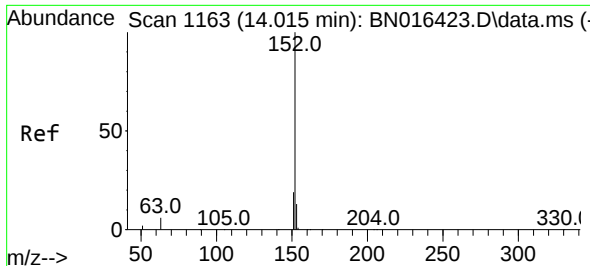
Tgt Ion:330 Resp: 3416
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 169.6 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.013 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:172 Resp: 24181
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 24.5 18.2 27.2

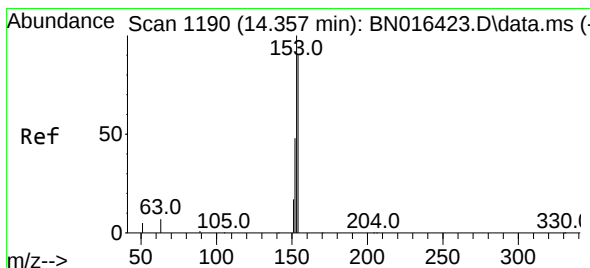
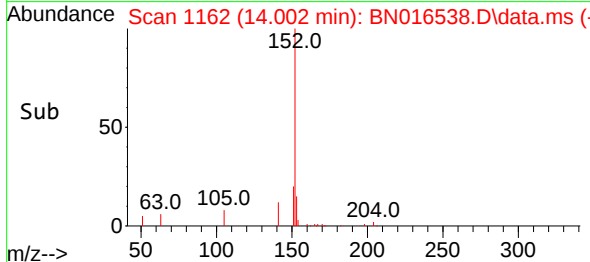
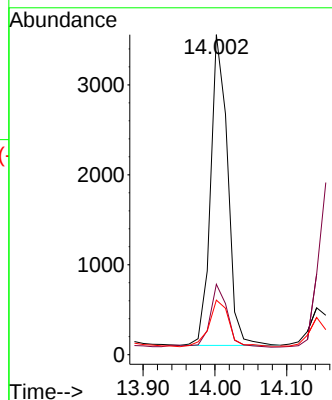
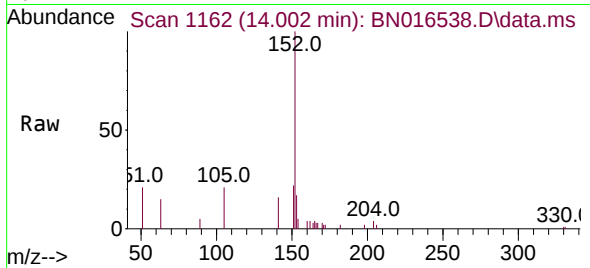




#16
Acenaphthylene
Concen: 0.063 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.013 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

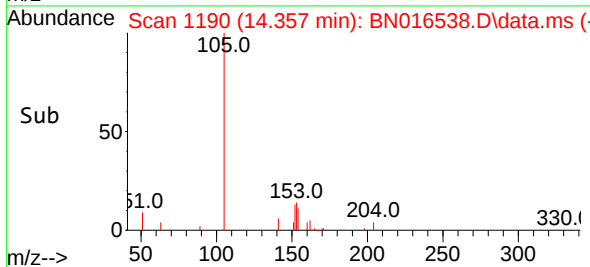
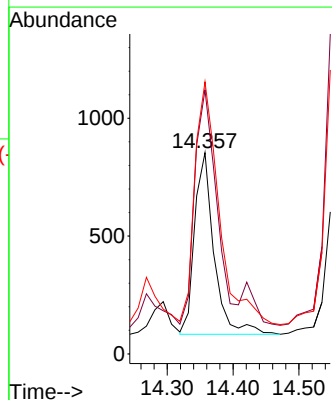
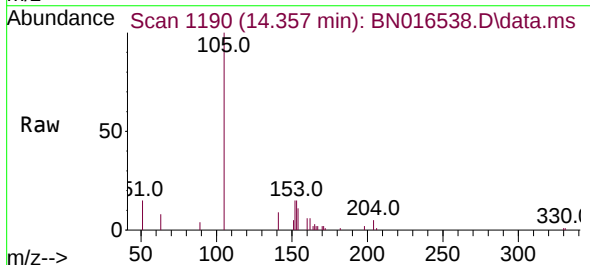
Instrument :
BNA_N
ClientSampleId :

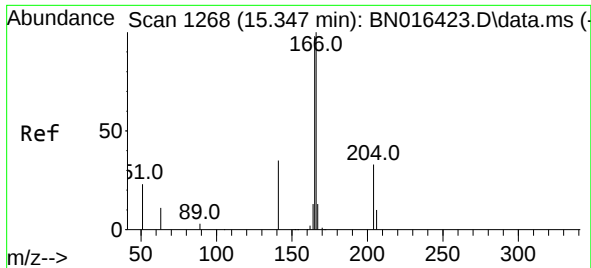
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Ion Ratio Lower Upper
152 100
151 21.0 15.2 22.8
153 17.9 10.5 15.7#



#17
Acenaphthene
Concen: 0.025 ng
RT: 14.357 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:154 Resp: 1589
Ion Ratio Lower Upper
154 100
153 145.0 89.3 133.9#
152 167.3 42.2 63.4#

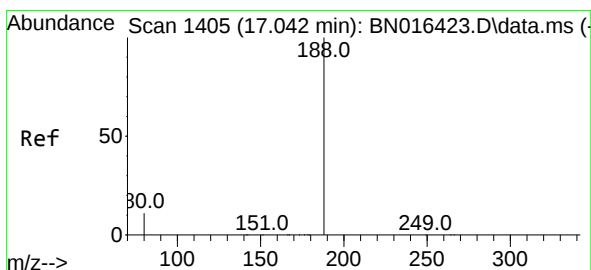
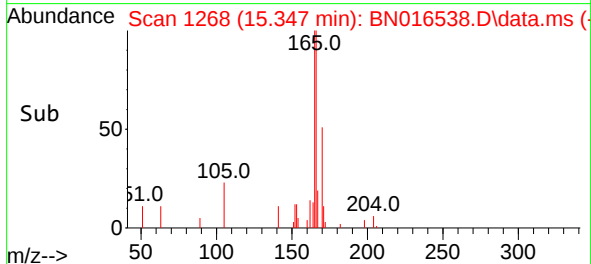
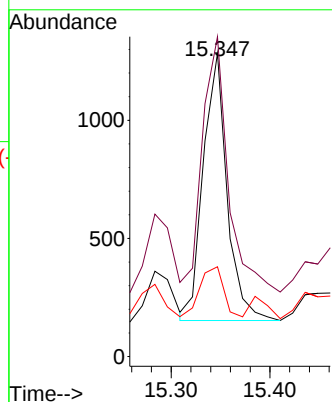
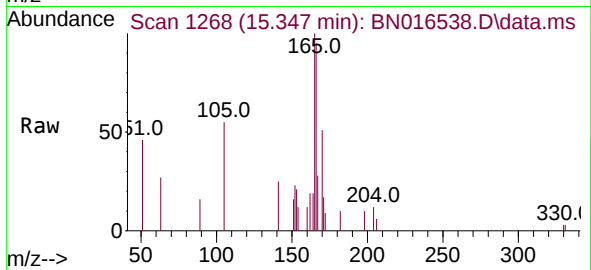




#18
Fluorene
Concen: 0.025 ng
RT: 15.347 min Scan# 1268
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

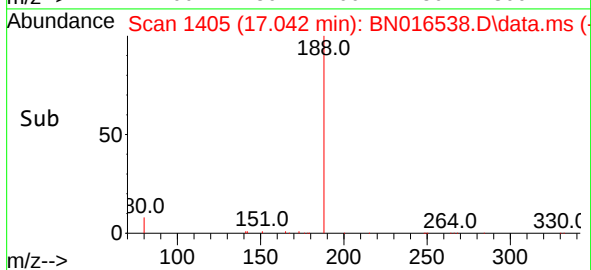
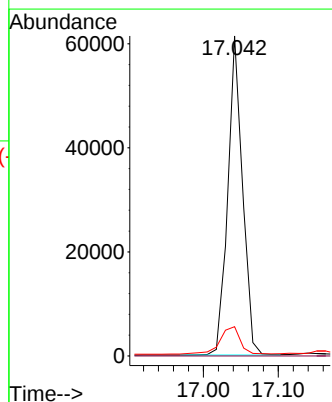
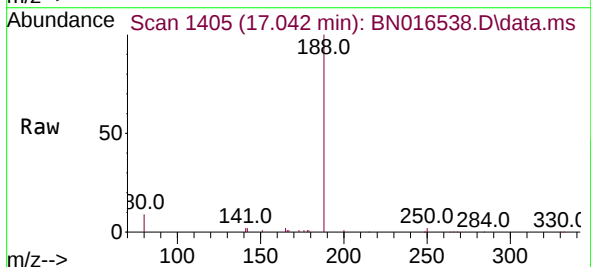
Instrument :
BNA_N
ClientSampleId :

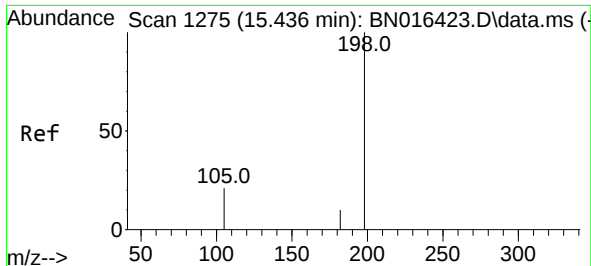
Tgt Ion:166 Resp: 1888
Ion Ratio Lower Upper
166 100
165 105.5 76.7 115.1
167 18.4 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:188 Resp: 83758
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.2 7.0 10.6

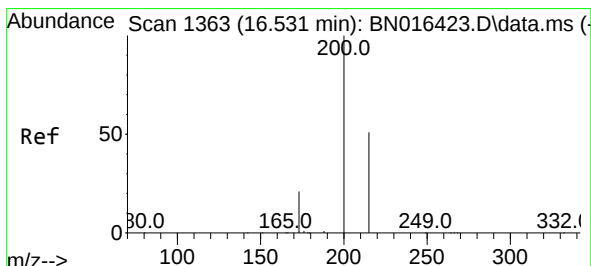
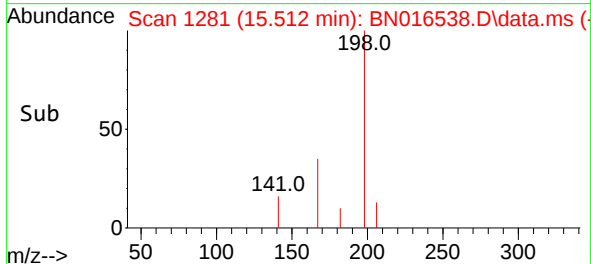
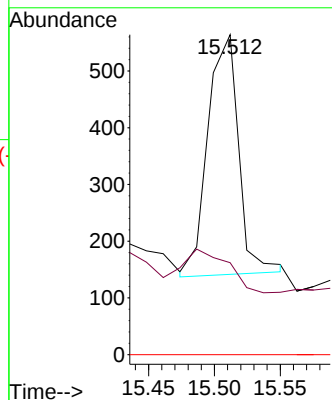
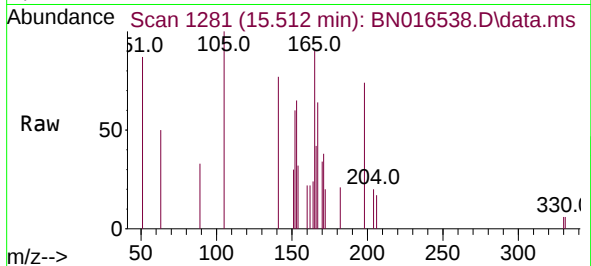




#20
4,6-Dinitro-2-methylphenol
Concen: 0.219 ng
RT: 15.512 min Scan# 1281
Delta R.T. 0.076 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

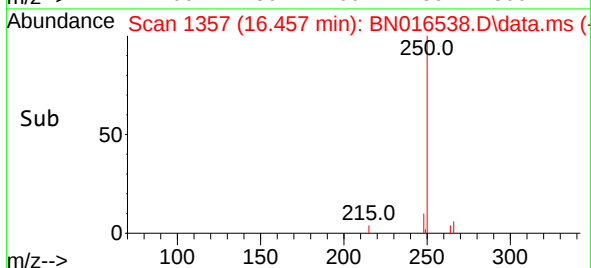
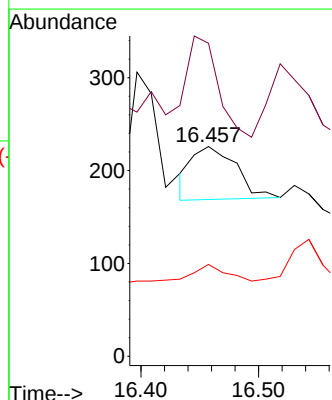
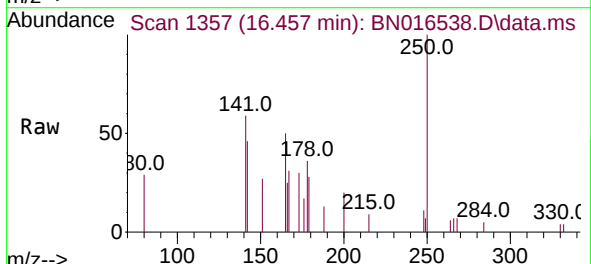
Instrument :
BNA_N
ClientSampleId :

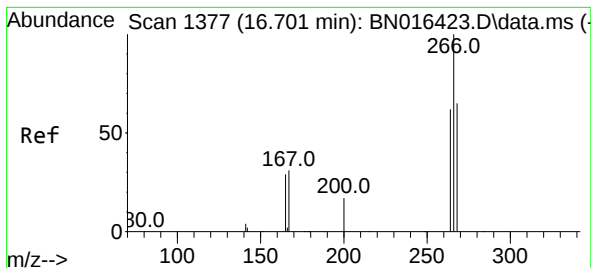
Tgt Ion:198 Resp: 690
Ion Ratio Lower Upper
198 100
182 28.7 26.6 39.8
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.138 ng
RT: 16.457 min Scan# 1357
Delta R.T. -0.074 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:200 Resp: 149
Ion Ratio Lower Upper
200 100
173 149.1 18.7 28.1#
215 43.8 41.6 62.4

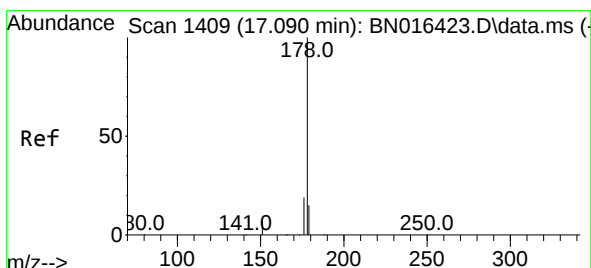
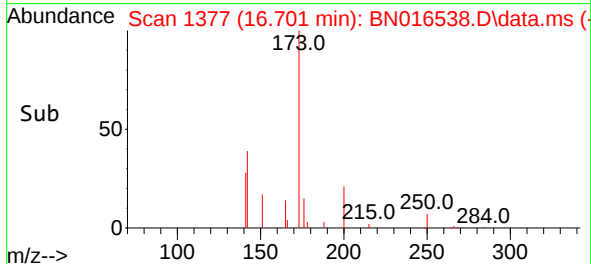
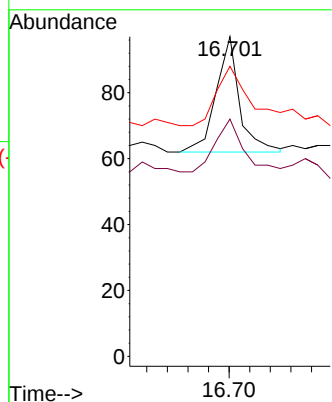
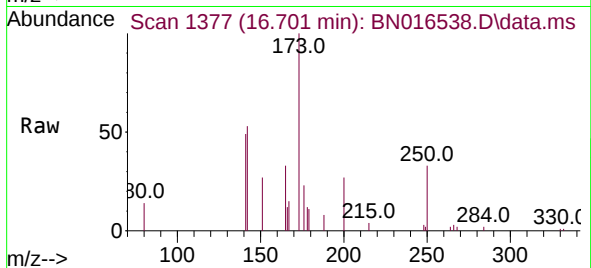




#24
Pentachlorophenol
Concen: 0.247 ng
RT: 16.701 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

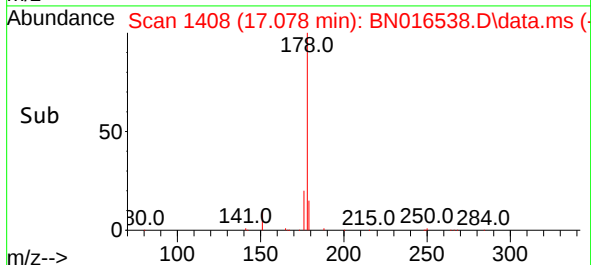
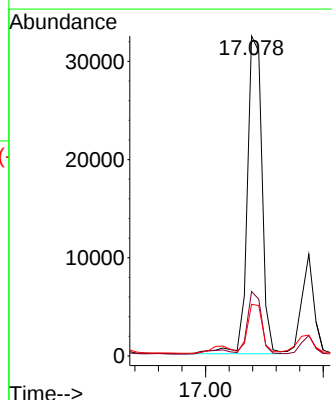
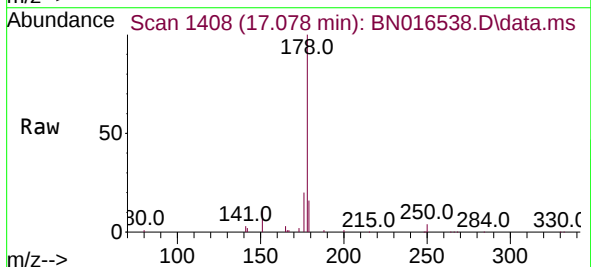
Instrument :
BNA_N
ClientSampled :

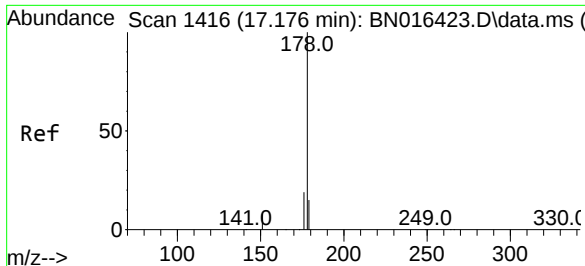
Tgt Ion:266 Resp: 55
Ion Ratio Lower Upper
266 100
264 54.5 50.6 75.8
268 89.1 52.6 79.0#



#25
Phenanthrene
Concen: 0.225 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:178 Resp: 56107
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.2 12.2 18.4

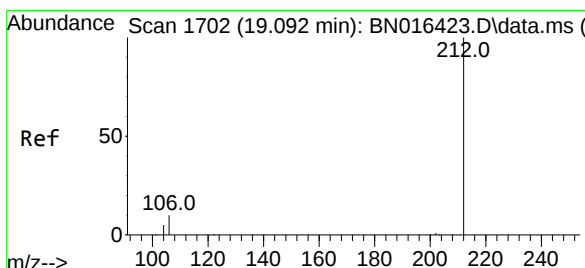
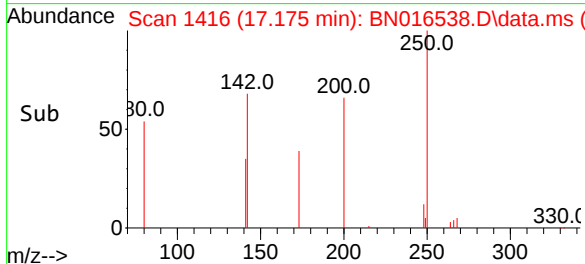
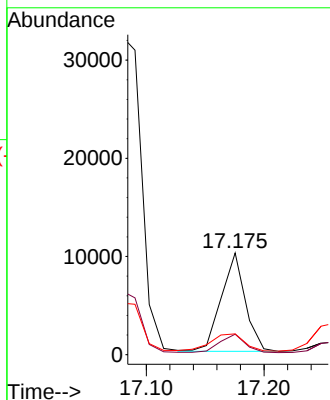
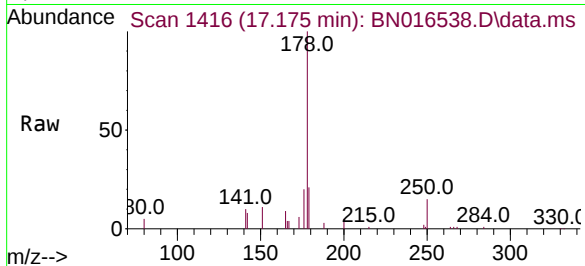




#26
 Anthracene
 Concen: 0.068 ng
 RT: 17.175 min Scan# 1416
 Delta R.T. -0.000 min
 Lab File: BN016538.D
 Acq: 27 Sep 2021 08:39

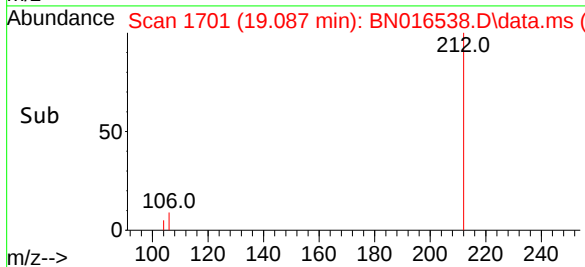
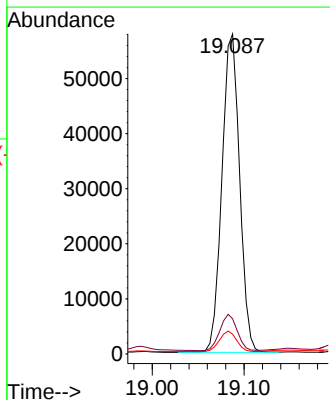
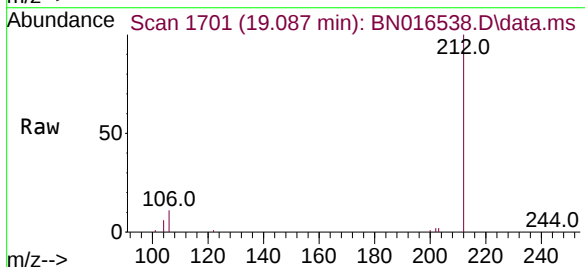
Instrument :
 BNA_N
 ClientSampleId :

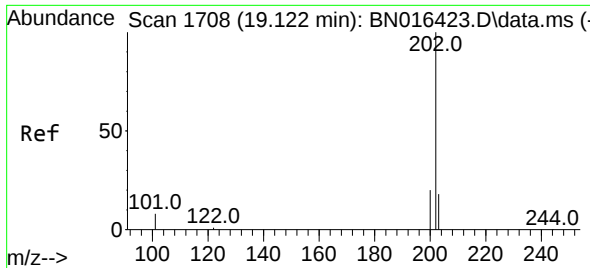
Tgt Ion:178 Resp: 14201
 Ion Ratio Lower Upper
 178 100
 176 19.8 13.9 20.9
 179 24.8 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.336 ng
 RT: 19.087 min Scan# 1701
 Delta R.T. -0.005 min
 Lab File: BN016538.D
 Acq: 27 Sep 2021 08:39

Tgt Ion:212 Resp: 77343
 Ion Ratio Lower Upper
 212 100
 106 11.1 9.8 14.6
 104 6.1 5.4 8.2

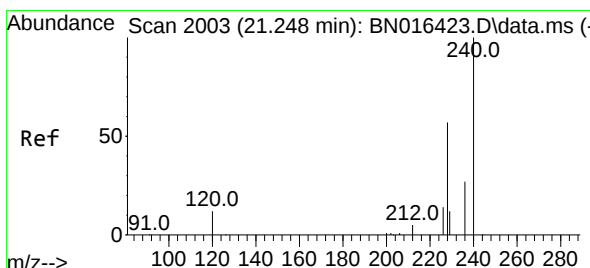
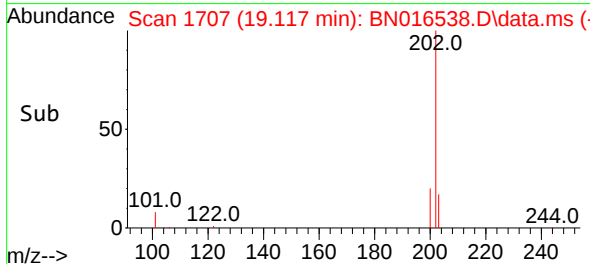
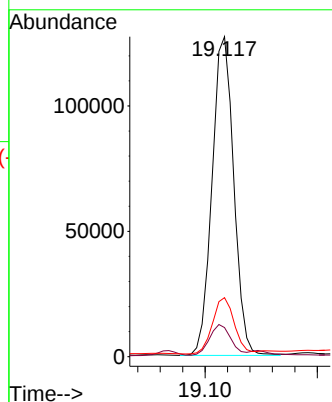
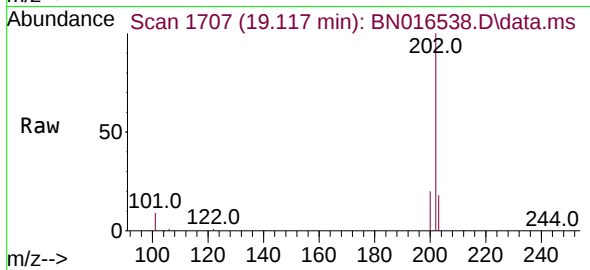




#28
Fluoranthene
Concen: 0.624 ng
RT: 19.117 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

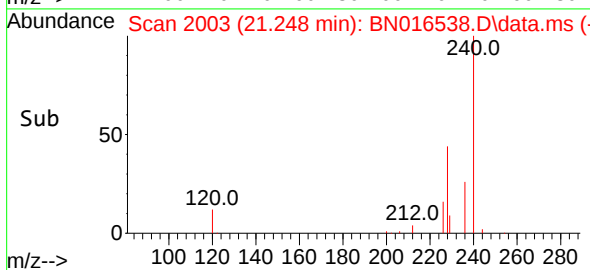
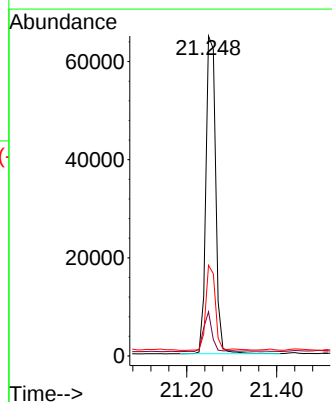
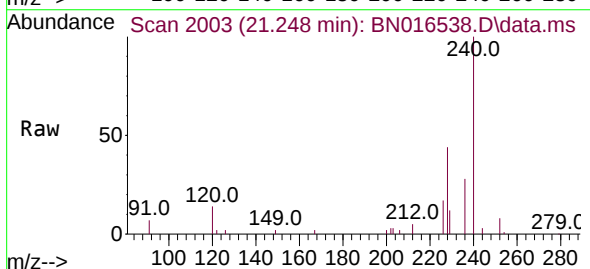
Instrument :
BNA_N
ClientSampleId :

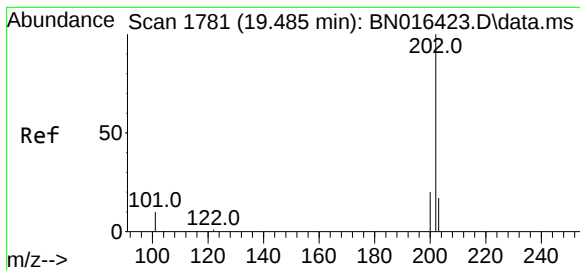
Tgt Ion:202 Resp: 170580
Ion Ratio Lower Upper
202 100
101 9.4 8.5 12.7
203 17.8 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.248 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:240 Resp: 97356
Ion Ratio Lower Upper
240 100
120 13.8 5.3 7.9#
236 28.4 19.8 29.8

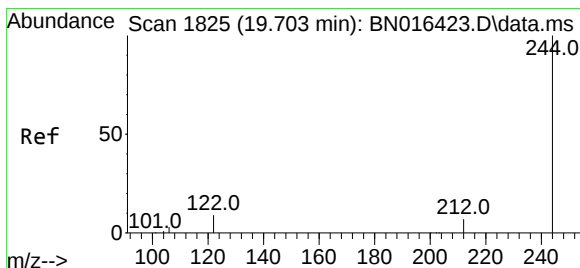
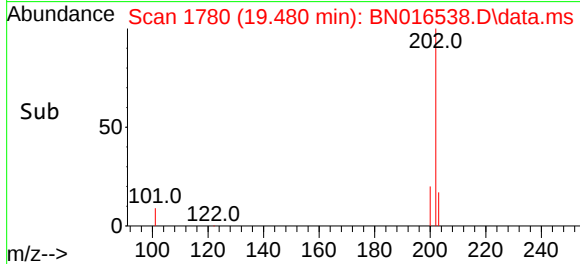
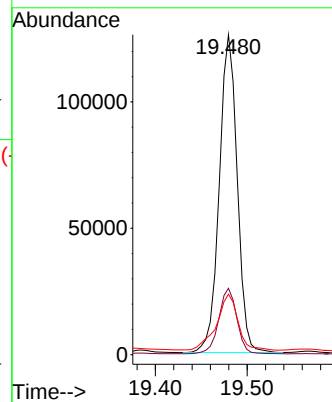
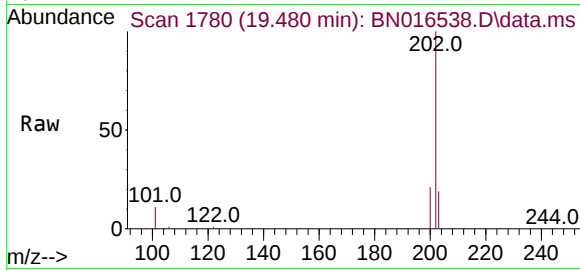




#30
Pyrene
Concen: 0.561 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

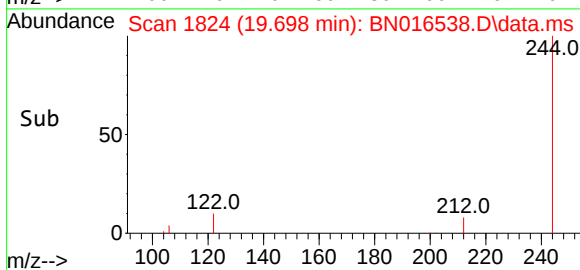
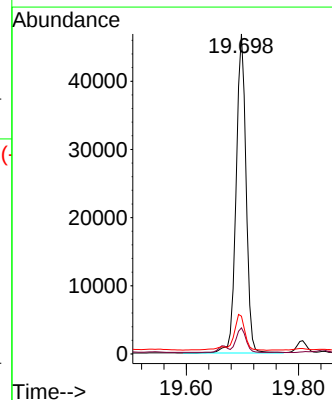
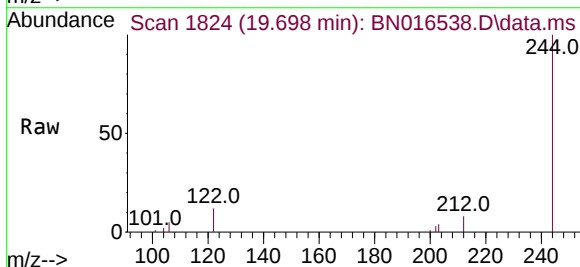
Instrument :
BNA_N
ClientSampleId :

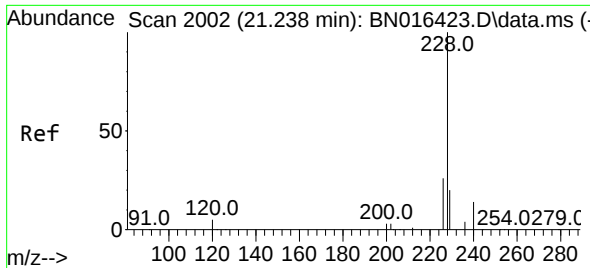
Tgt Ion:202 Resp: 171138
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.6
203 21.2 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.254 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:244 Resp: 57437
Ion Ratio Lower Upper
244 100
212 8.2 5.5 8.3
122 11.8 9.0 13.4

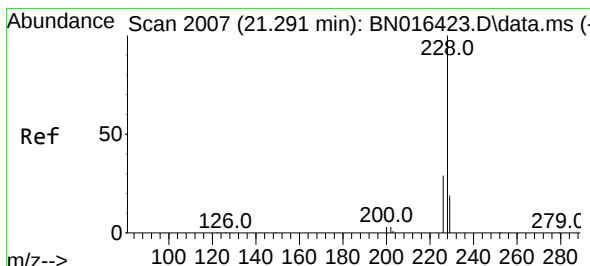
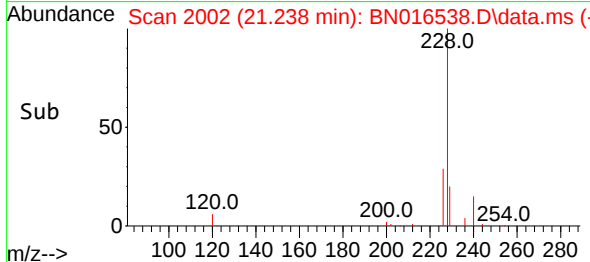
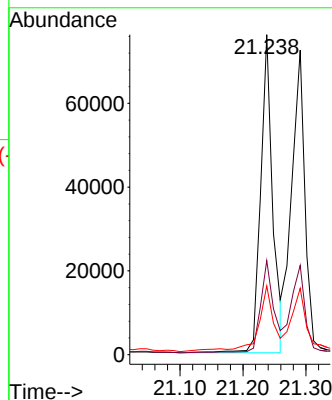
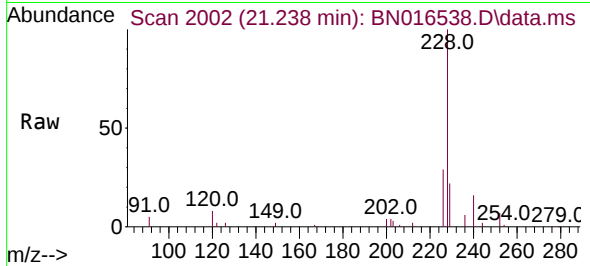




#32
Benzo(a)anthracene
Concen: 0.359 ng
RT: 21.238 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

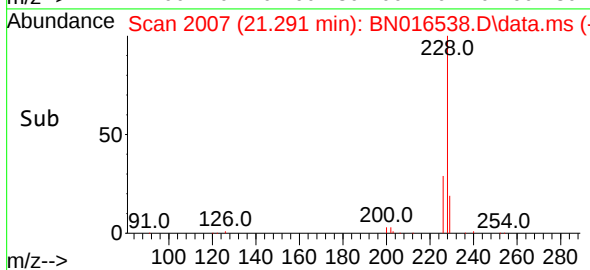
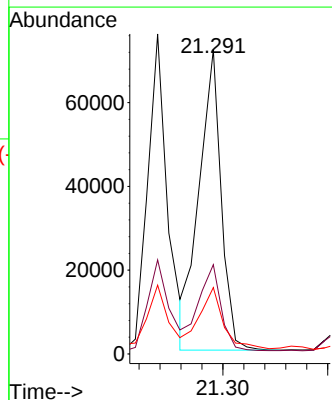
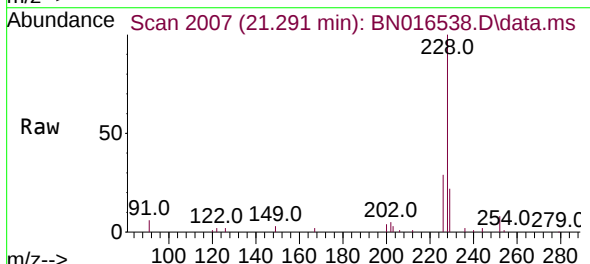
Instrument :
BNA_N
ClientSampleId :

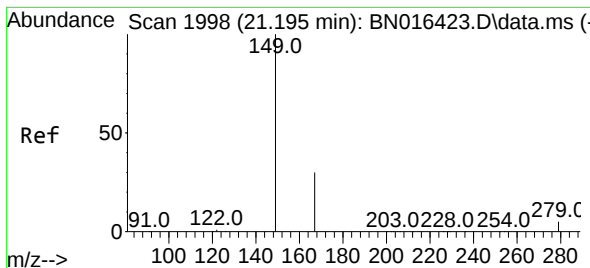
Tgt Ion:228 Resp: 101491
Ion Ratio Lower Upper
228 100
226 29.4 20.8 31.2
229 21.5 15.8 23.6



#33
Chrysene
Concen: 0.345 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:228 Resp: 104610
Ion Ratio Lower Upper
228 100
226 29.3 23.0 34.4
229 21.8 15.6 23.4

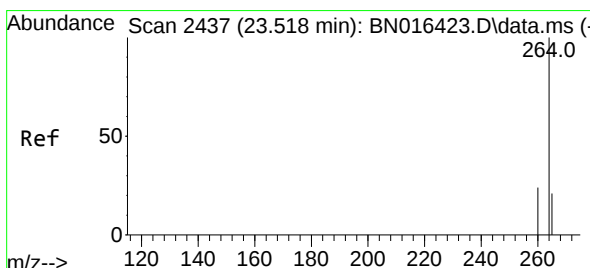
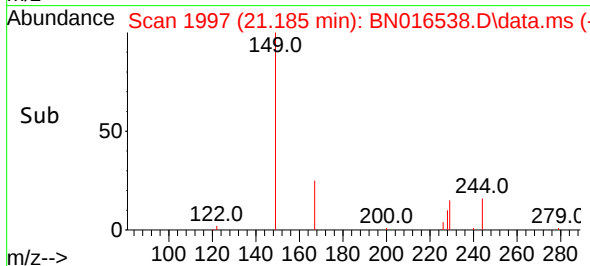
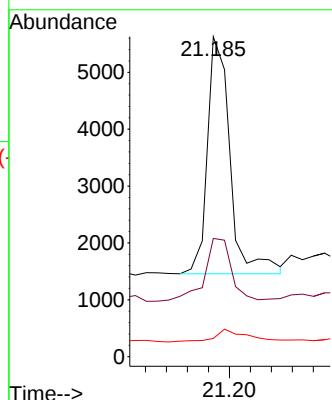
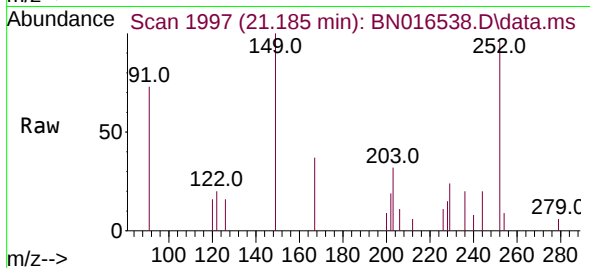




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.081 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.011 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

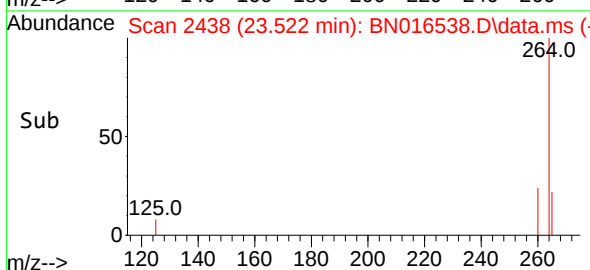
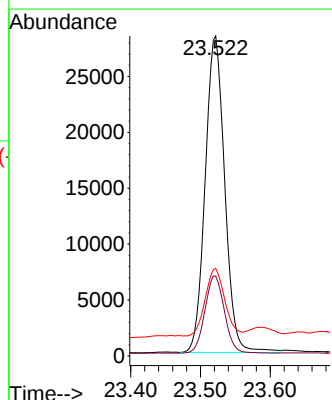
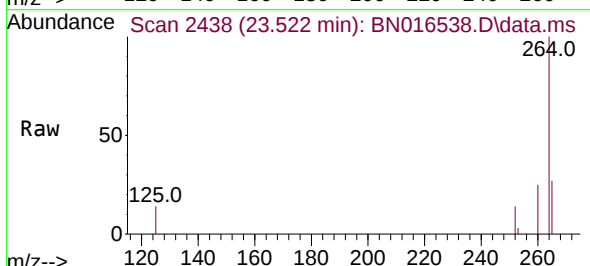
Instrument :
BNA_N
ClientSampleId :

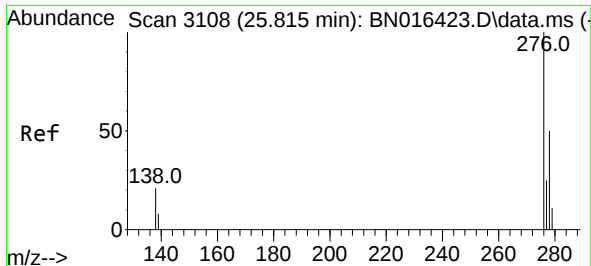
Tgt Ion:149 Resp: 6262
Ion Ratio Lower Upper
149 100
167 31.3 23.4 35.0
279 7.6 3.9 5.9#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2438
Delta R.T. 0.003 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:264 Resp: 55048
Ion Ratio Lower Upper
264 100
260 25.0 18.9 28.3
265 27.3 23.7 35.5

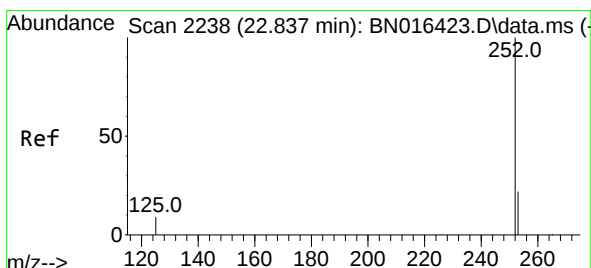
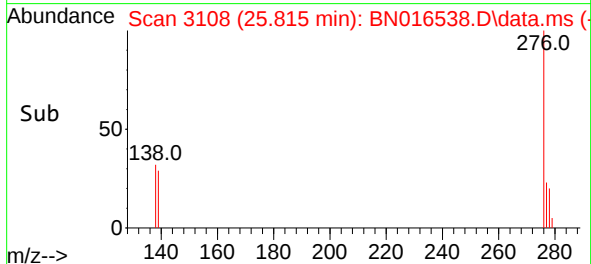
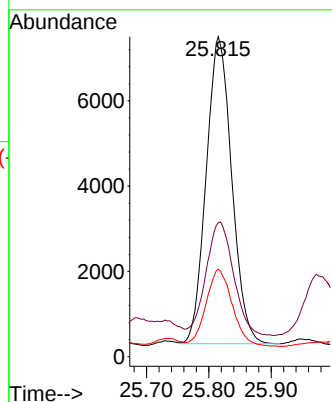
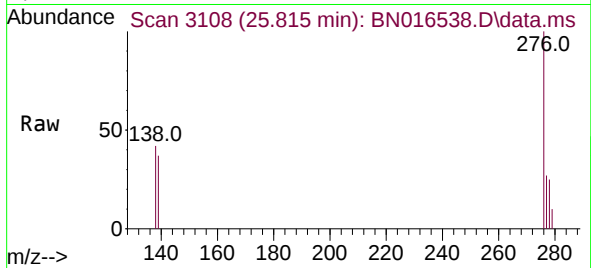




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.115 ng
RT: 25.815 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

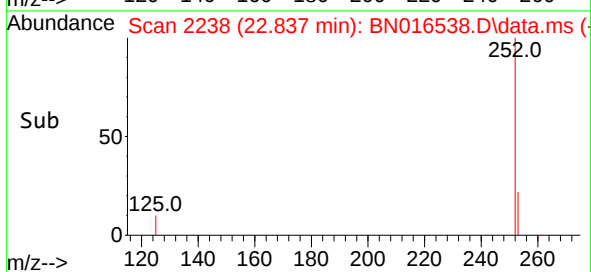
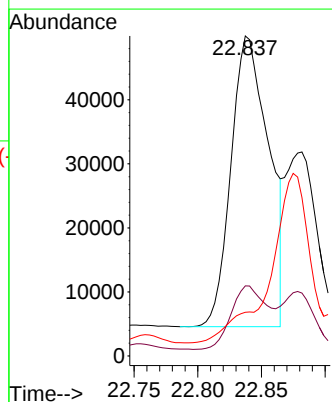
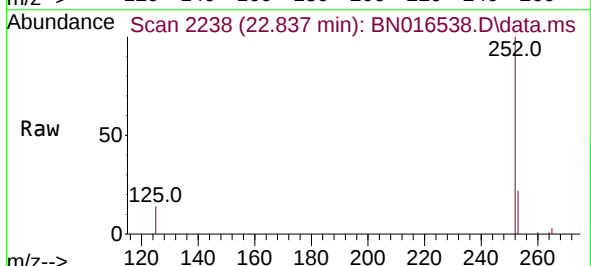
Instrument :
BNA_N
ClientSampleId :

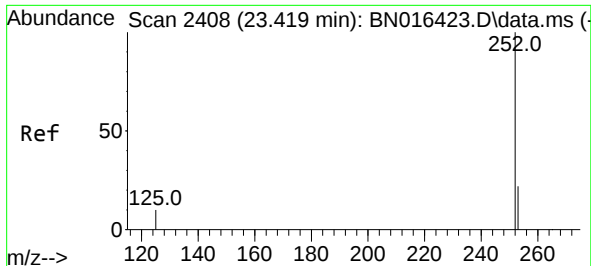
Tgt Ion:276 Resp: 20528
Ion Ratio Lower Upper
276 100
138 39.9 19.3 28.9#
277 26.0 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 0.509 ng
RT: 22.837 min Scan# 2238
Delta R.T. -0.000 min
Lab File: BN016538.D
Acq: 27 Sep 2021 08:39

Tgt Ion:252 Resp: 93588
Ion Ratio Lower Upper
252 100
253 21.9 18.2 27.2
125 13.7 8.4 12.6#





#39

Benzo(a)pyrene

Concen: 0.369 ng

RT: 23.419 min Scan# 2408

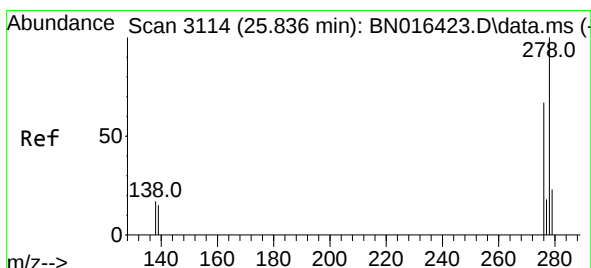
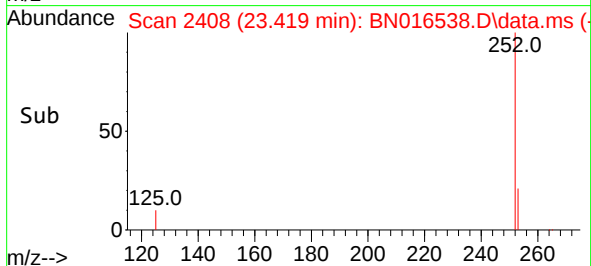
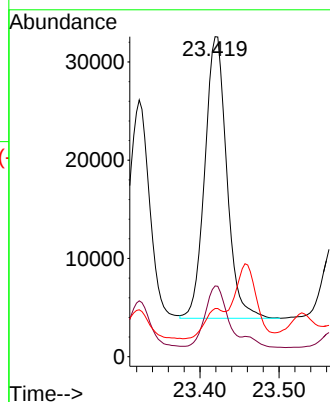
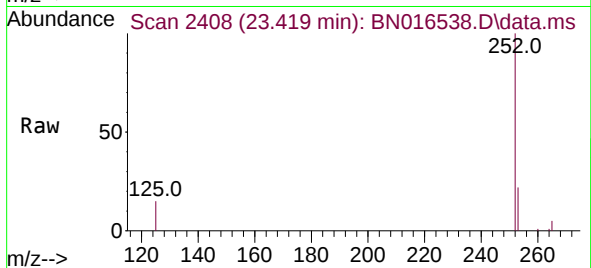
Delta R.T. -0.000 min

Lab File: BN016538.D

Acq: 27 Sep 2021 08:39

Tgt Ion:	252	Resp:	55298
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.7	28.1
125	15.0	9.9	14.9#

Instrument :
BNA_N
ClientSampleId :



#40

Dibenzo(a,h)anthracene

Concen: 0.048 ng

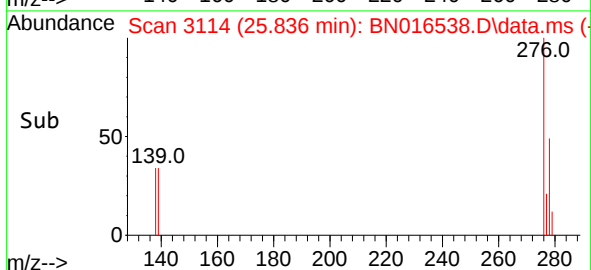
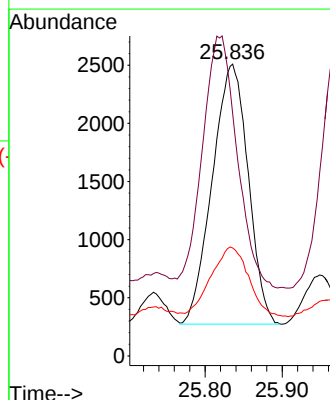
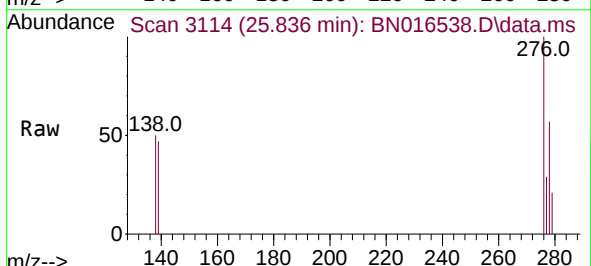
RT: 25.836 min Scan# 3114

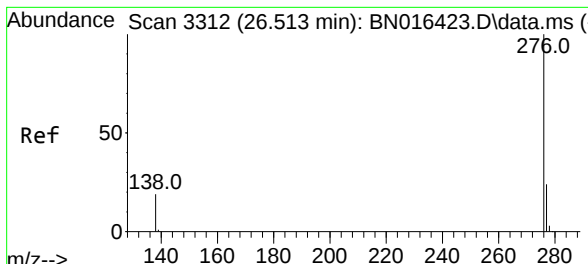
Delta R.T. -0.000 min

Lab File: BN016538.D

Acq: 27 Sep 2021 08:39

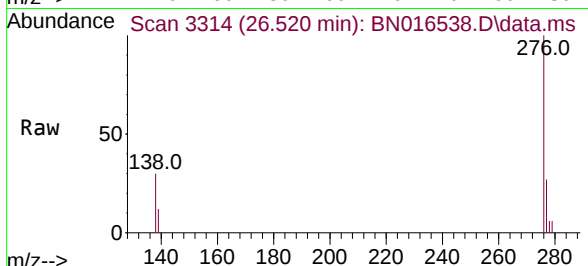
Tgt Ion:	278	Resp:	7246
Ion Ratio	Lower	Upper	
278	100		
139	83.0	14.2	21.2#
279	37.0	21.3	31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.100 ng
 RT: 26.520 min Scan# 3314
 Delta R.T. 0.007 min
 Lab File: BN016538.D
 Acq: 27 Sep 2021 08:39

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:	276	Resp:	15536
Ion Ratio	Lower	Upper	
276	100		
277	27.3	20.5	30.7
138	29.7	18.2	27.4#

