

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016535.D
 Acq On : 27 Sep 2021 06:51
 Operator : CG/JU
 Sample : M3892-09
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-824-N-SO-0-0.5-092221

Quant Time: Sep 27 09:20:24 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

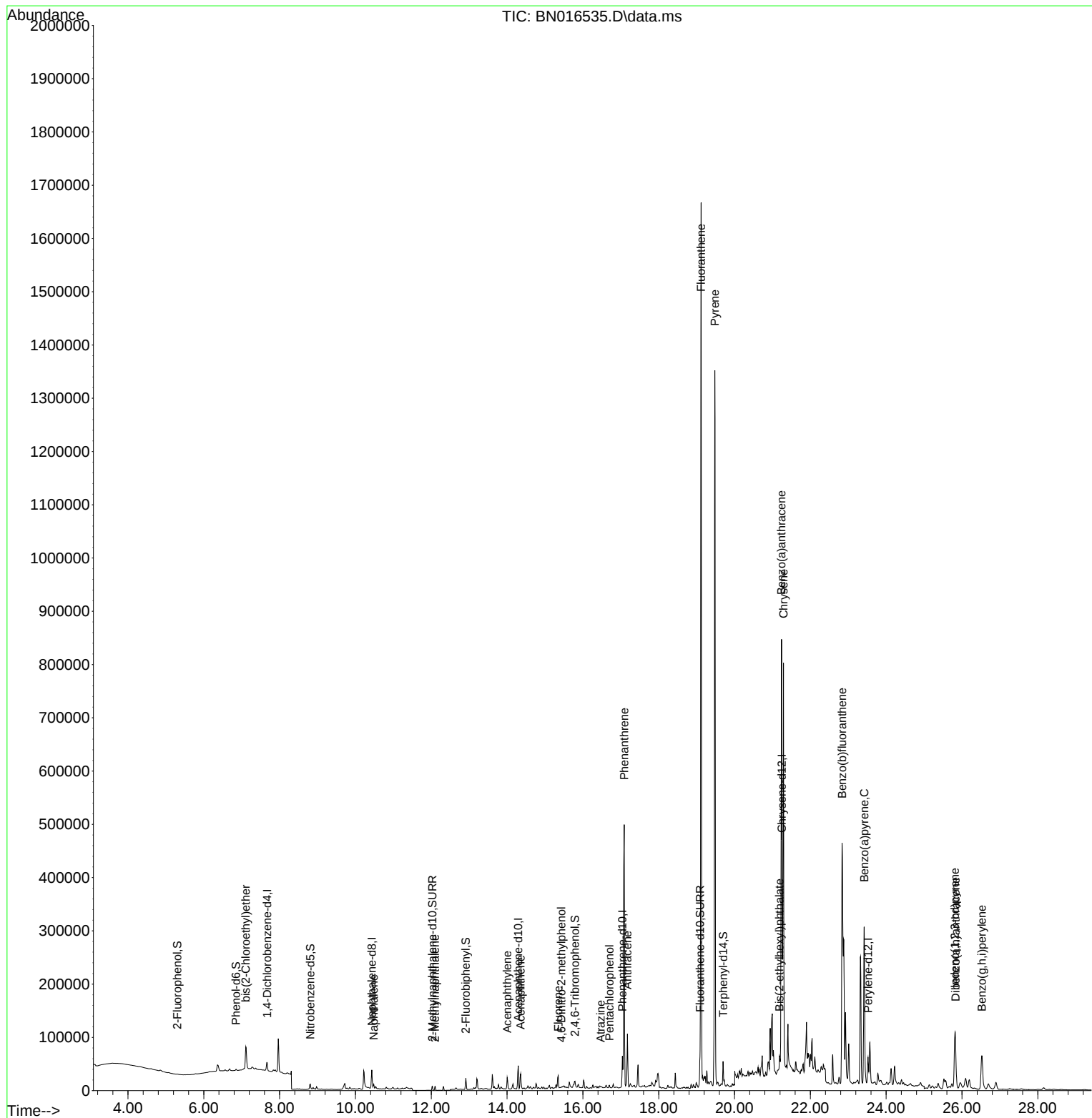
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	9437	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	42403	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	20204	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	73768	0.400	ng	0.00
29) Chrysene-d12	21.248	240	99043	0.400	ng	# 0.00
35) Perylene-d12	23.522	264	62191	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	633	0.030	ng	0.02
5) Phenol-d6	6.849	99	2108	0.084	ng	0.00
8) Nitrobenzene-d5	8.809	82	8165	0.272	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	10165	0.162	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	2150	0.411	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	16751	0.197	ng	-0.01
27) Fluoranthene-d10	19.087	212	59309	0.293	ng	0.00
31) Terphenyl-d14	19.698	244	45680	0.198	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.107	93	72964	2.886	ng	# 25
9) Naphthalene	10.482	128	8333	0.074	ng	96
12) 2-Methylnaphthalene	12.100	142	5153	0.072	ng	# 92
16) Acenaphthylene	14.002	152	19154	0.233	ng	97
17) Acenaphthene	14.357	154	10237	0.175	ng	# 56
18) Fluorene	15.347	166	15059	0.215	ng	95
20) 4,6-Dinitro-2-methylph...	15.436	198	81	0.157	ng	# 1
23) Atrazine	16.470	200	150	0.139	ng	# 30
24) Pentachlorophenol	16.701	266	69	0.247	ng	89
25) Phenanthrene	17.090	178	537789	2.450	ng	98
26) Anthracene	17.175	178	93383	0.511	ng	# 95
28) Fluoranthene	19.117	202	1418594	5.896	ng	98
30) Pyrene	19.480	202	1255519	4.049	ng	# 94
32) Benzo(a)anthracene	21.238	228	670302	2.334	ng	97
33) Chrysene	21.291	228	685712	2.222	ng	98
34) Bis(2-ethylhexyl)phtha...	21.185	149	26051	0.333	ng	99
36) Indeno(1,2,3-cd)pyrene	25.815	276	170550	0.846	ng	99
37) Benzo(b)fluoranthene	22.837	252	746112	3.591	ng	99
39) Benzo(a)pyrene	23.419	252	419304	2.475	ng	97
40) Dibenzo(a,h)anthracene	25.832	278	44608	0.260	ng	# 84
41) Benzo(g,h,i)perylene	26.524	276	139990	0.794	ng	99

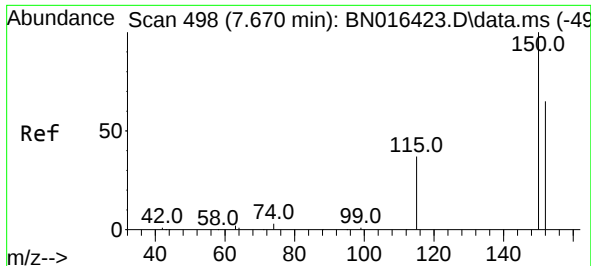
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S-824-N-SO-0-0.5-092221

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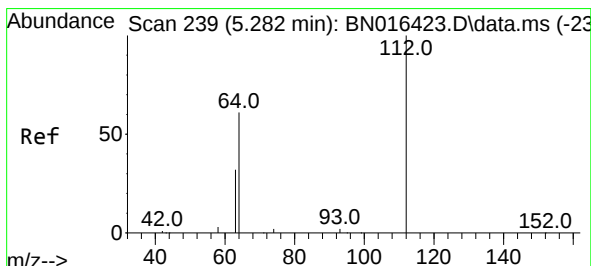
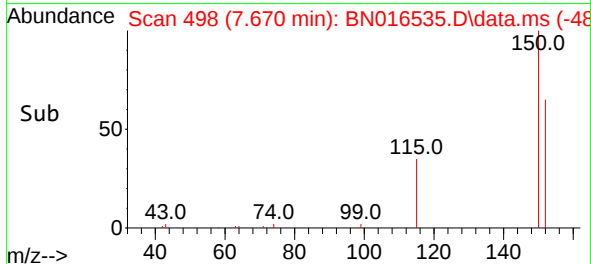
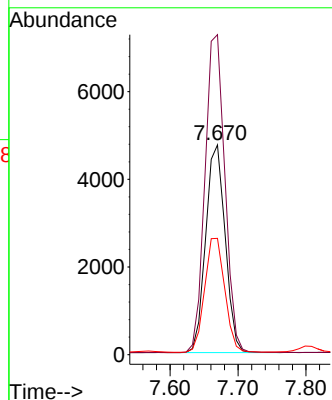
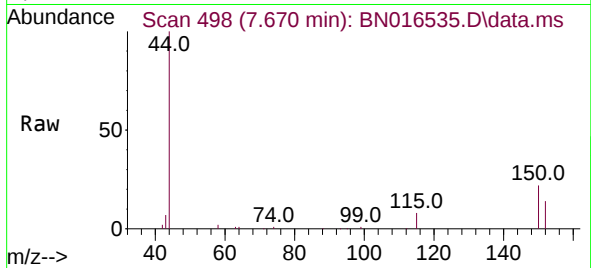




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

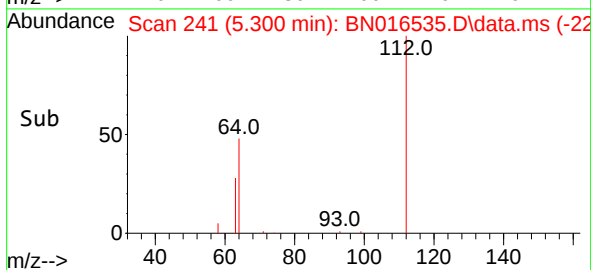
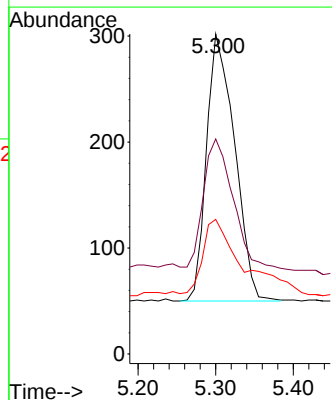
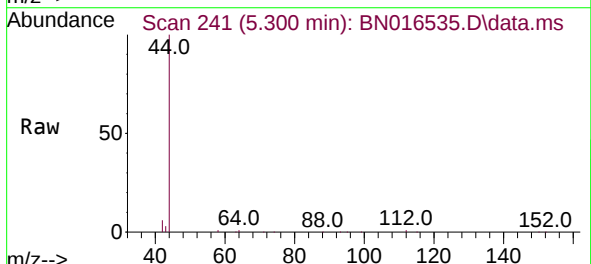
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

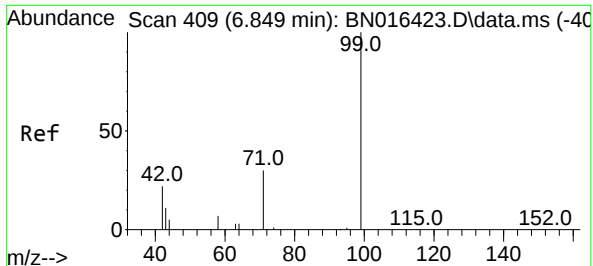
Tgt Ion:152 Resp: 9437
Ion Ratio Lower Upper
152 100
150 152.5 125.6 188.4
115 55.4 50.2 75.2



#4
2-Fluorophenol
Concen: 0.030 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.018 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:112 Resp: 633
Ion Ratio Lower Upper
112 100
64 52.6 47.3 70.9
63 37.4 23.4 35.0#

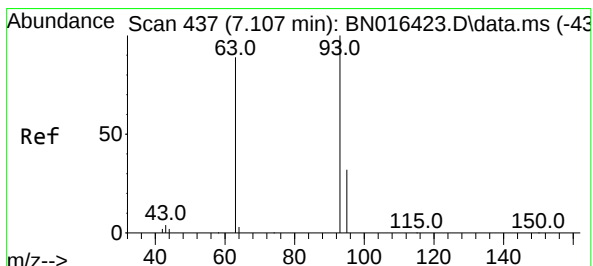
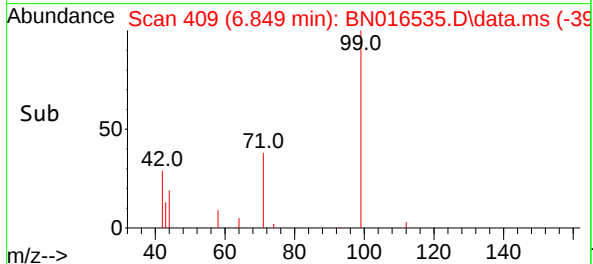
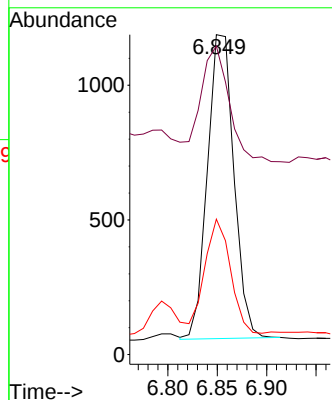
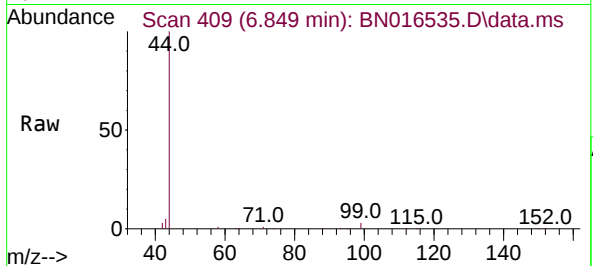




#5
Phenol-d6
Concen: 0.084 ng
RT: 6.849 min Scan# 409
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

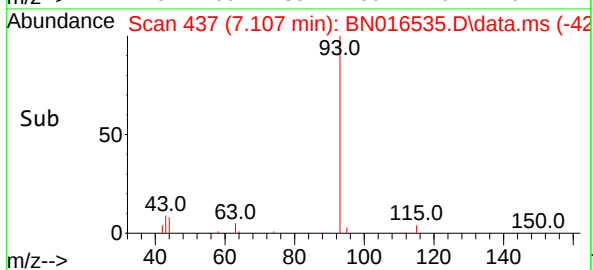
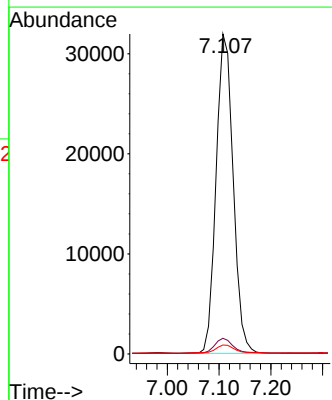
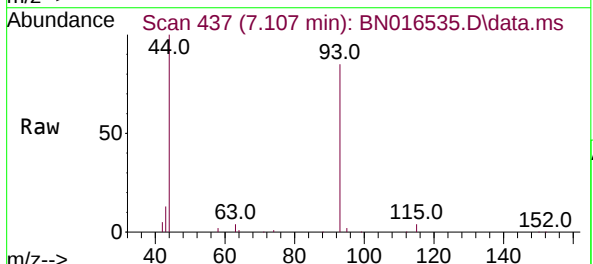
Instrument :
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ClientSampleId :
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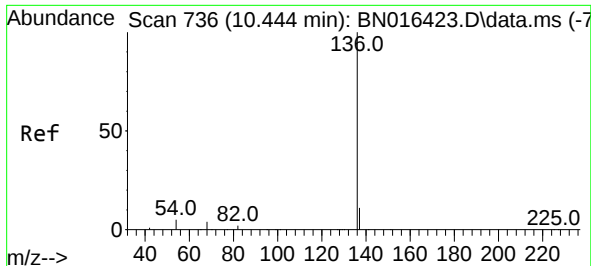
Tgt Ion: 99 Resp: 2108
Ion Ratio Lower Upper
99 100
42 41.2 14.0 21.0#
71 36.1 23.8 35.6#



#6
bis(2-Chloroethyl)ether
Concen: 2.886 ng
RT: 7.107 min Scan# 437
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion: 93 Resp: 72964
Ion Ratio Lower Upper
93 100
63 5.2 63.4 95.0#
95 3.0 26.8 40.2#

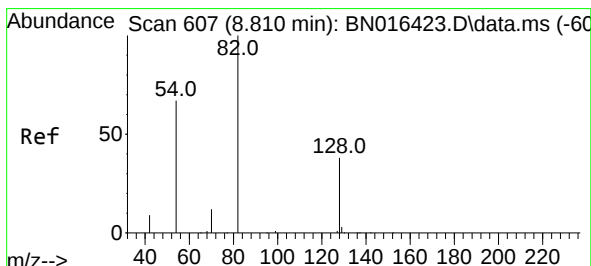
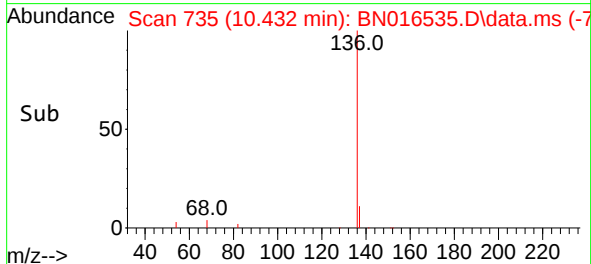
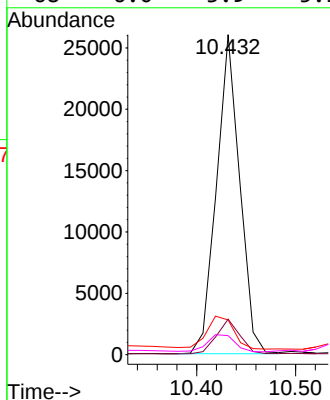
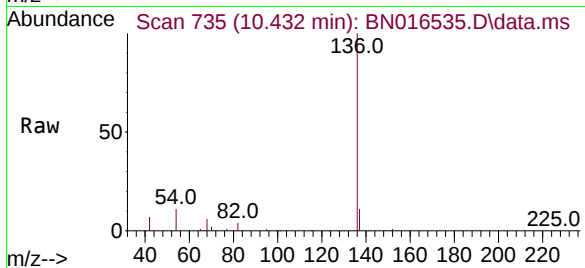




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

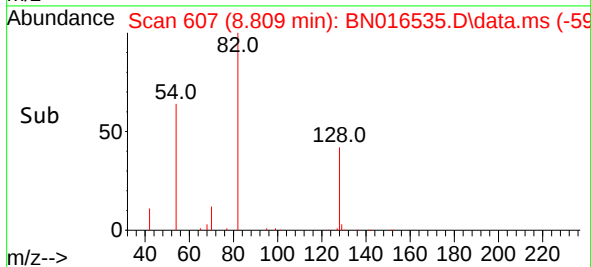
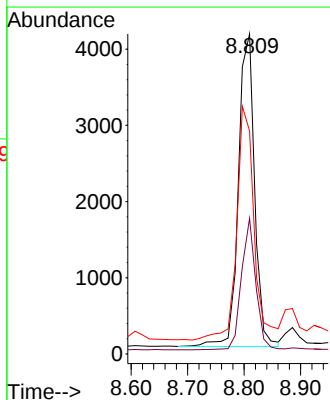
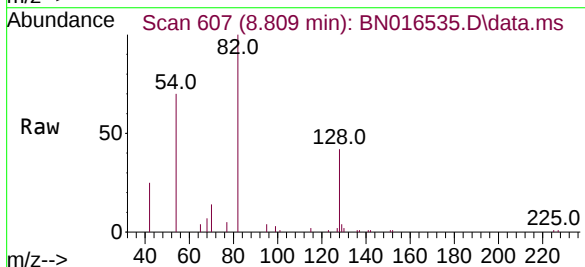
Instrument :
BNA_N
ClientSampleId :
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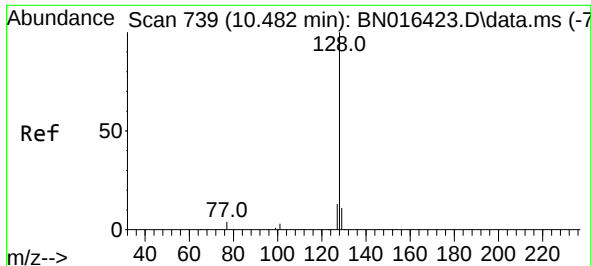
Tgt Ion:	136	Resp:	42403
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	10.9	5.3	7.9#
68	6.0	3.9	5.9#



#8
Nitrobenzene-d5
Concen: 0.272 ng
RT: 8.809 min Scan# 607
Delta R.T. -0.000 min
Lab File: BN016535.D
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Tgt Ion:	82	Resp:	8165
Ion Ratio	Lower	Upper	
82	100		
128	42.4	31.7	47.5
54	69.7	46.4	69.6#

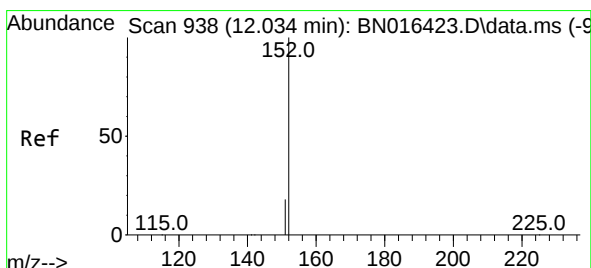
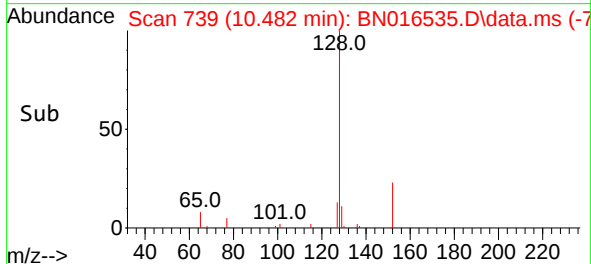
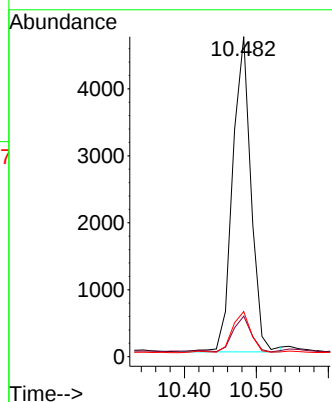
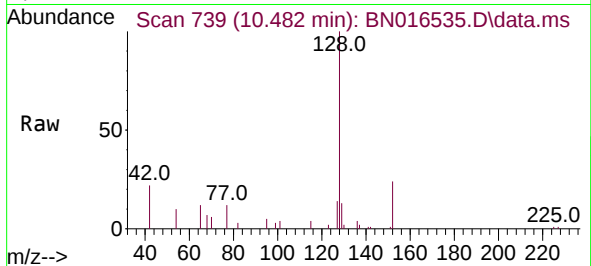




#9
Naphthalene
Concen: 0.074 ng
RT: 10.482 min Scan# 739
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

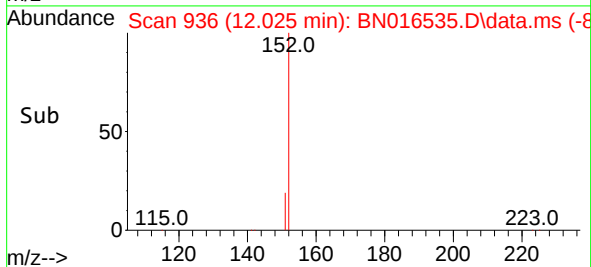
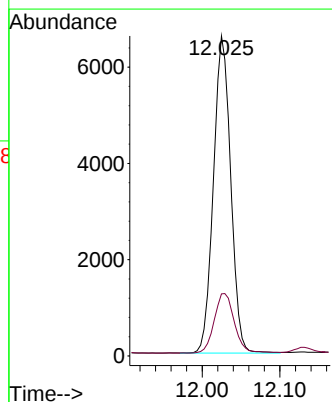
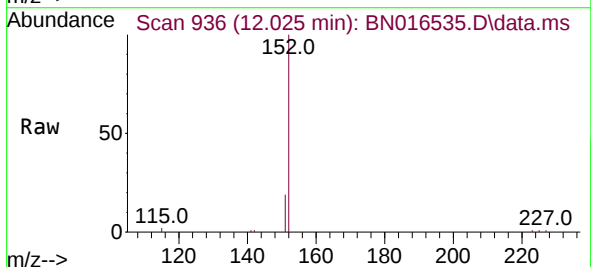
Instrument :
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ClientSampleId :
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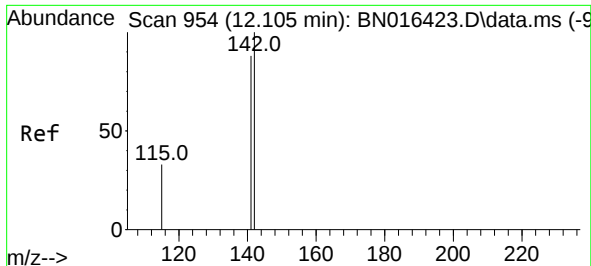
Tgt Ion:128 Resp: 8333
Ion Ratio Lower Upper
128 100
129 12.7 8.9 13.3
127 14.1 10.1 15.1



#11
2-Methylnaphthalene-d10
Concen: 0.162 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:152 Resp: 10165
Ion Ratio Lower Upper
152 100
151 21.9 16.1 24.1

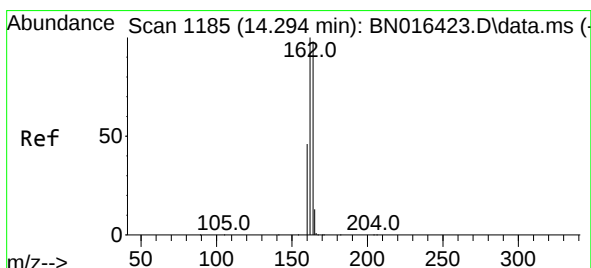
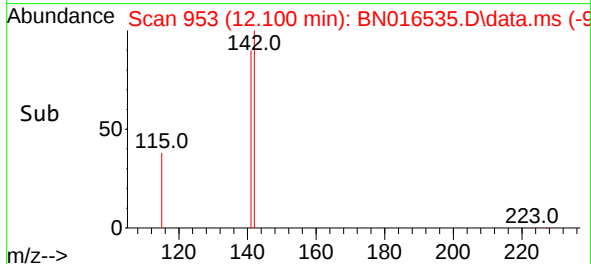
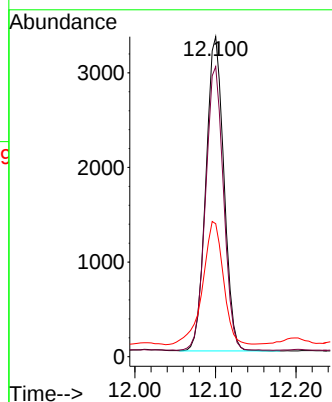
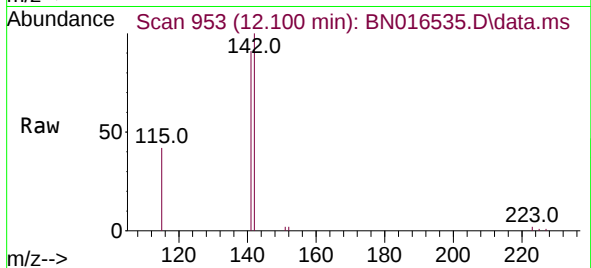




#12
2-Methylnaphthalene
Concen: 0.072 ng
RT: 12.100 min Scan# 953
Delta R.T. -0.005 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

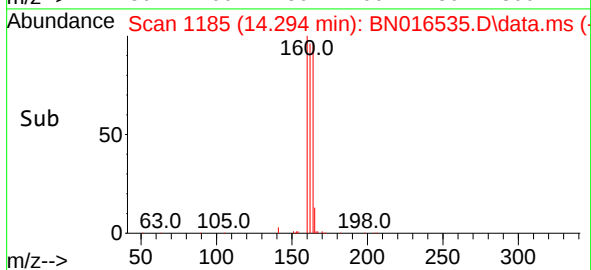
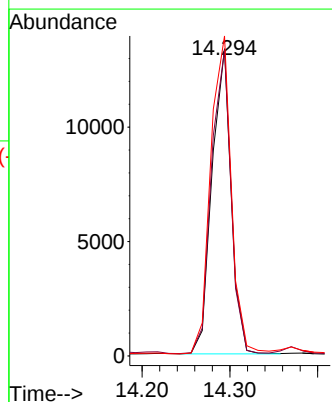
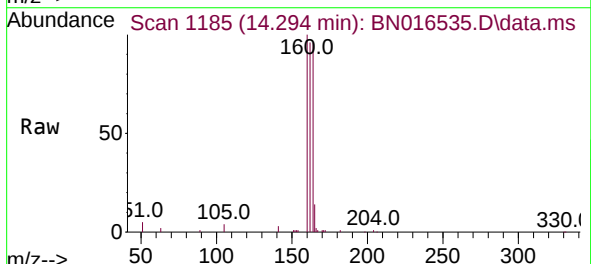
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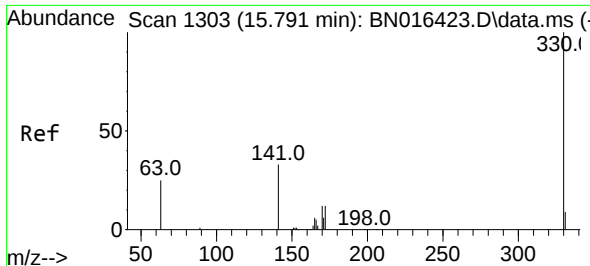
Tgt Ion:142 Resp: 5153
Ion Ratio Lower Upper
142 100
141 90.7 69.8 104.8
115 41.6 24.4 36.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:164 Resp: 20204
Ion Ratio Lower Upper
164 100
162 99.7 79.0 118.4
160 104.1 34.1 51.1#

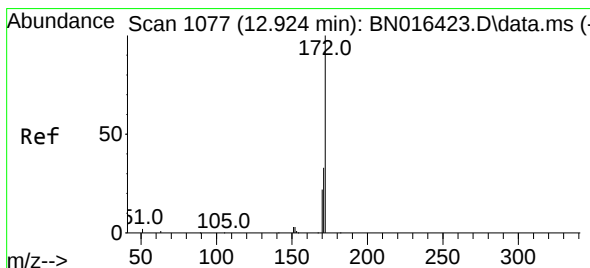
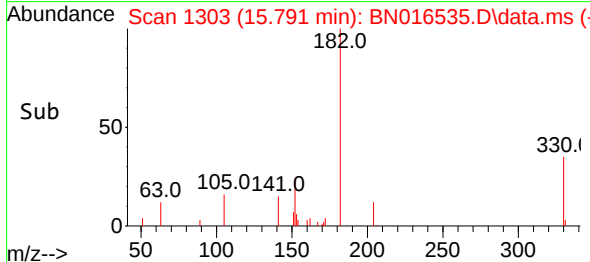
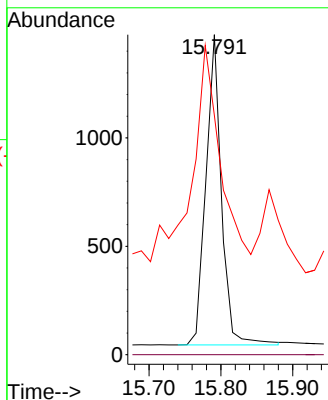
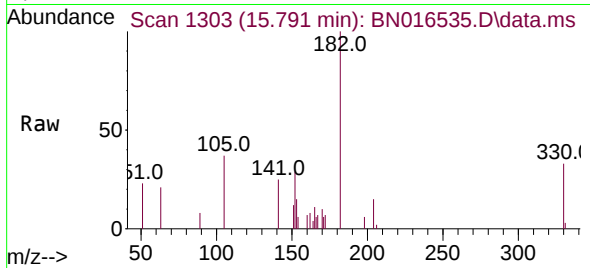




#14
2,4,6-Tribromophenol
Concen: 0.411 ng
RT: 15.791 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

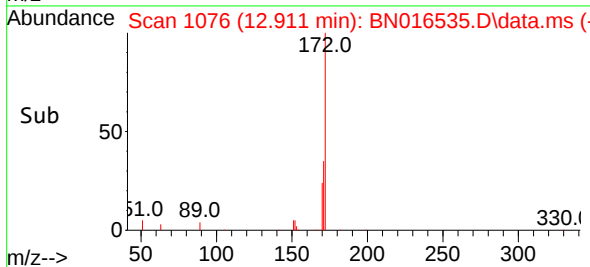
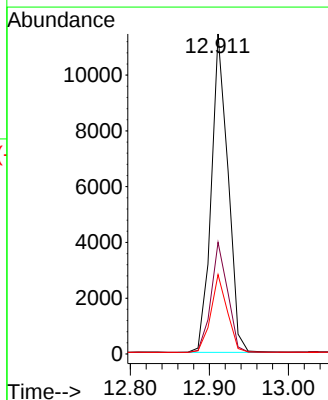
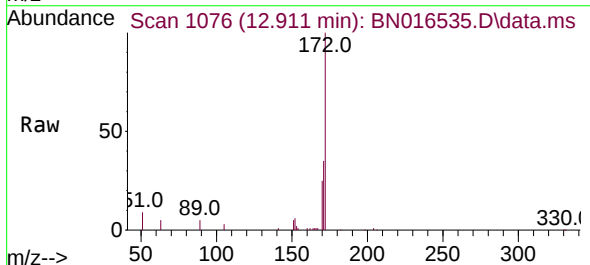
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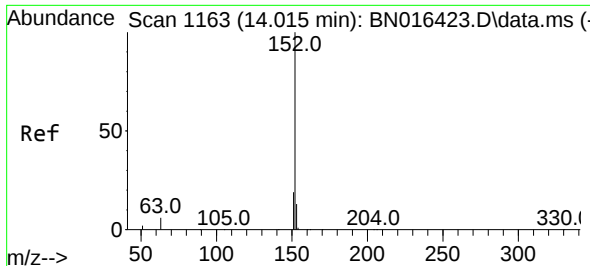
Tgt Ion:330 Resp: 2150
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 103.3 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.197 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.013 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:172 Resp: 16751
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 24.8 18.2 27.2

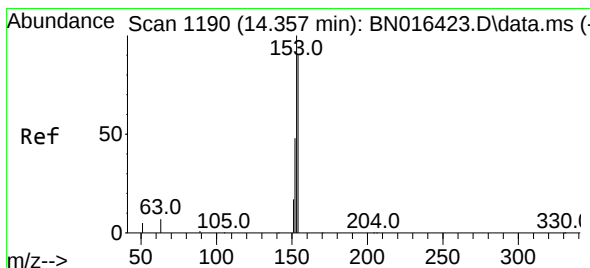
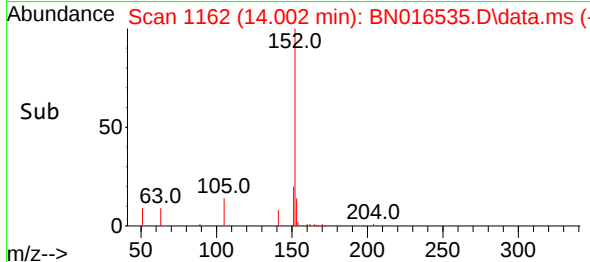
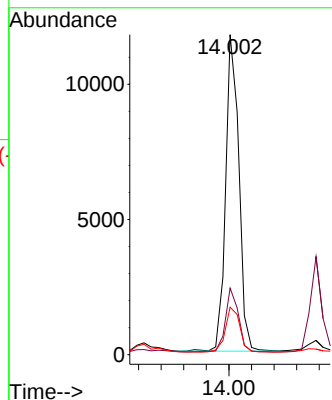
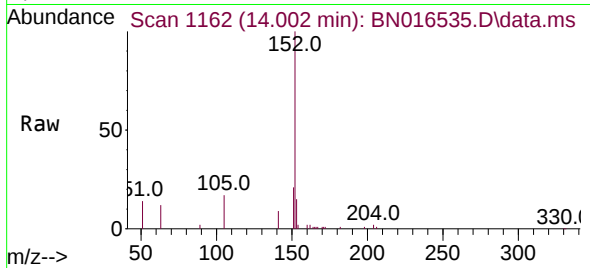




#16
Acenaphthylene
Concen: 0.233 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.013 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

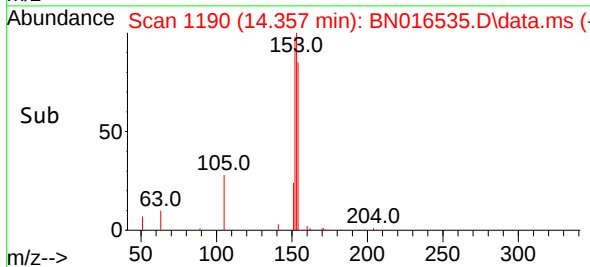
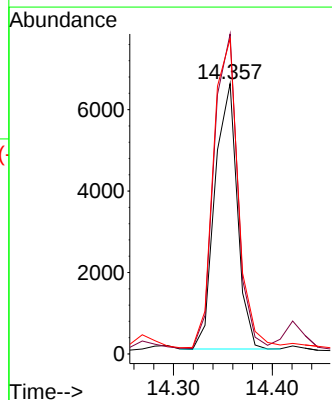
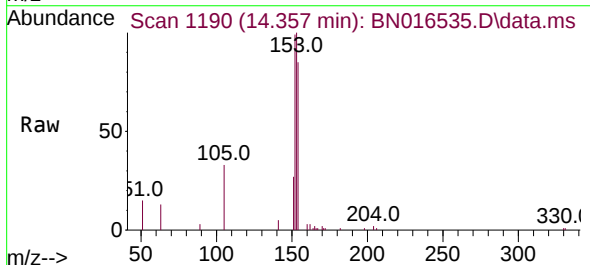
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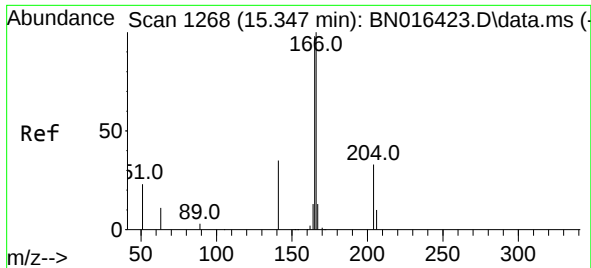
Tgt Ion:152 Resp: 19154
Ion Ratio Lower Upper
152 100
151 19.8 15.2 22.8
153 15.4 10.5 15.7



#17
Acenaphthene
Concen: 0.175 ng
RT: 14.357 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:154 Resp: 10237
Ion Ratio Lower Upper
154 100
153 124.9 89.3 133.9
152 131.9 42.2 63.4#

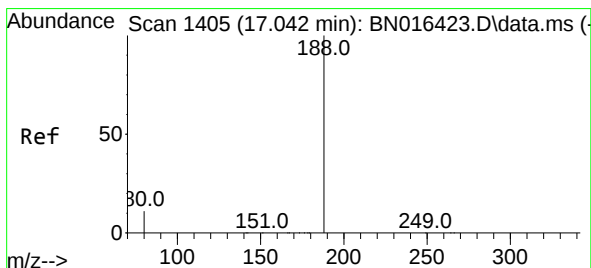
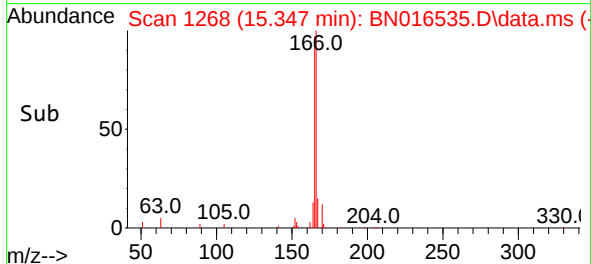
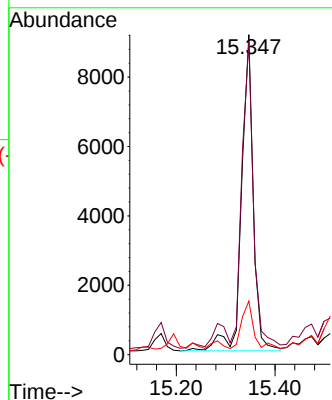
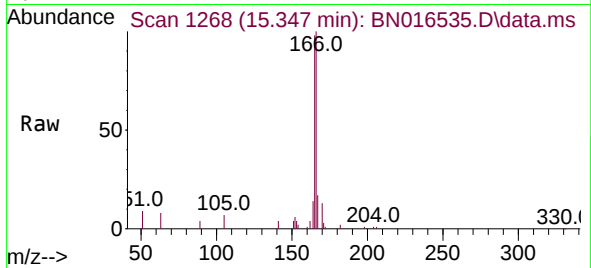




#18
Fluorene
Concen: 0.215 ng
RT: 15.347 min Scan# 1268
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

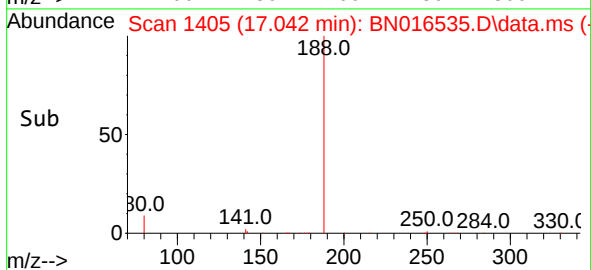
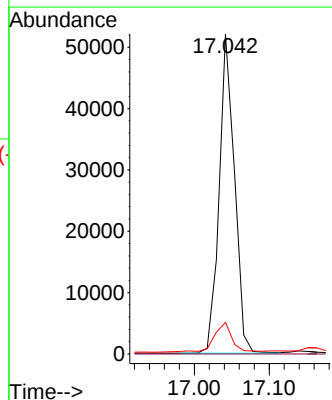
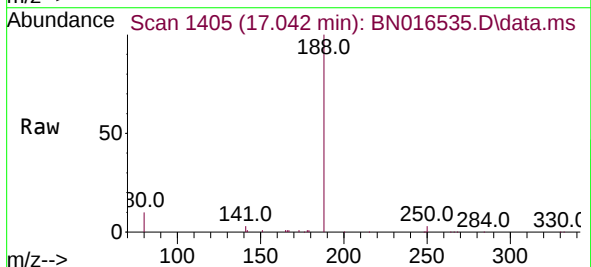
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

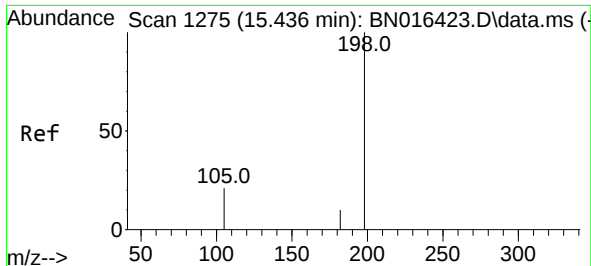
Tgt Ion:166 Resp: 15059
Ion Ratio Lower Upper
166 100
165 91.2 76.7 115.1
167 15.3 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:188 Resp: 73768
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.9 7.0 10.6

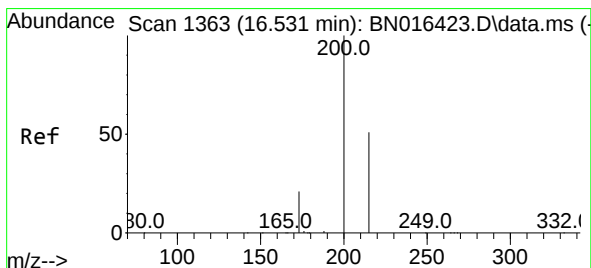
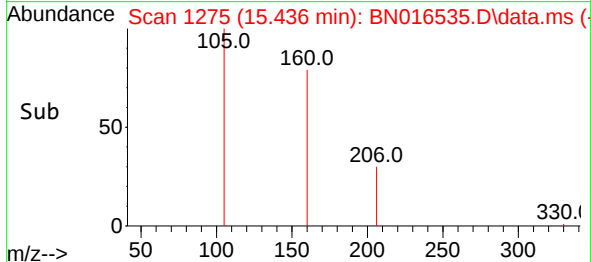
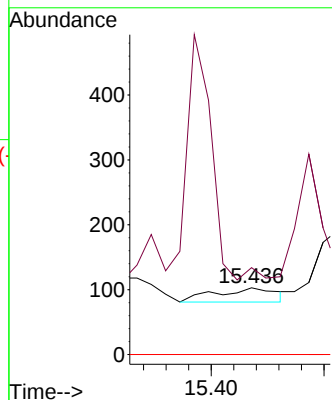
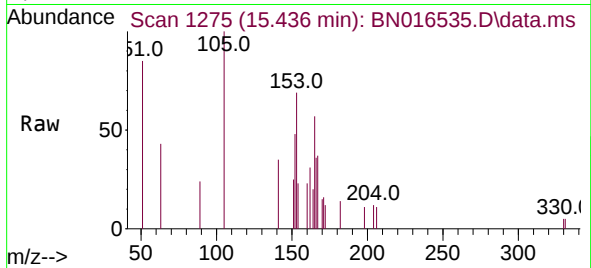




#20
4,6-Dinitro-2-methylphenol
Concen: 0.157 ng
RT: 15.436 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

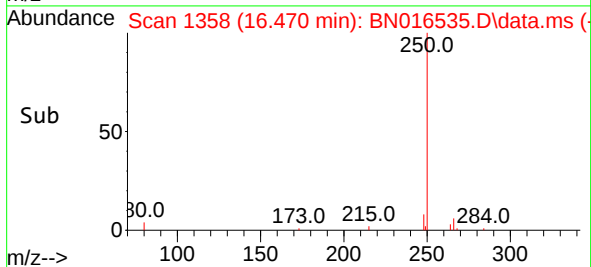
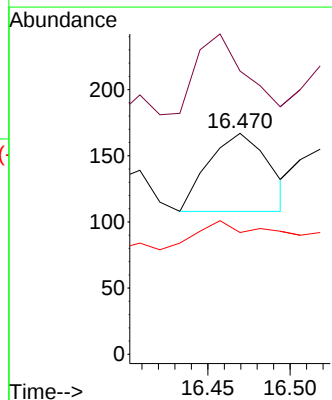
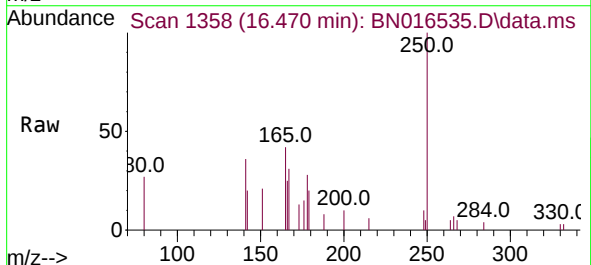
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

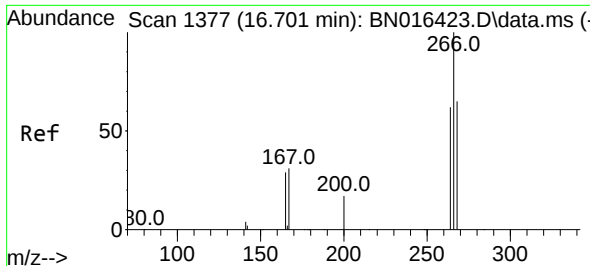
Tgt Ion:198 Resp: 81
Ion Ratio Lower Upper
198 100
182 130.1 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.139 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.061 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:200 Resp: 150
Ion Ratio Lower Upper
200 100
173 128.1 18.7 28.1#
215 55.1 41.6 62.4

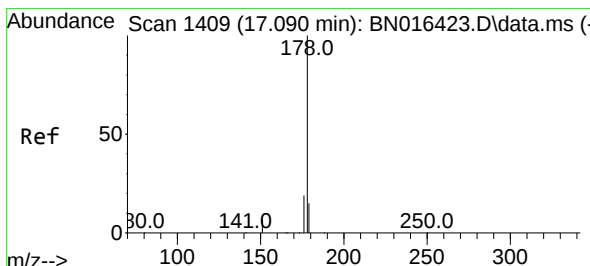
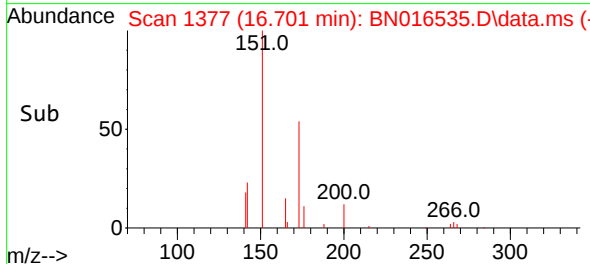
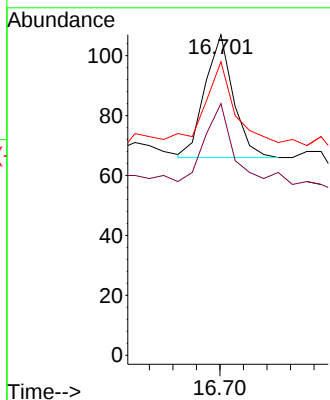
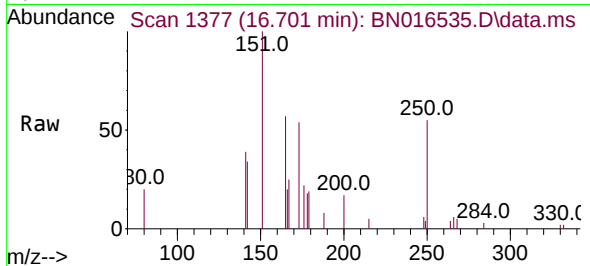




#24
 Pentachlorophenol
 Concen: 0.247 ng
 RT: 16.701 min Scan# 1377
 Delta R.T. -0.000 min
 Lab File: BN016535.D
 Acq: 27 Sep 2021 06:51

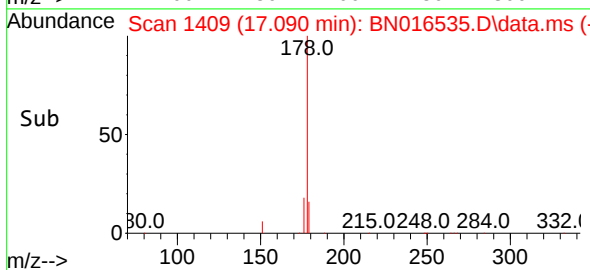
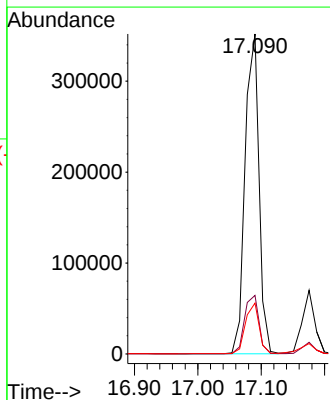
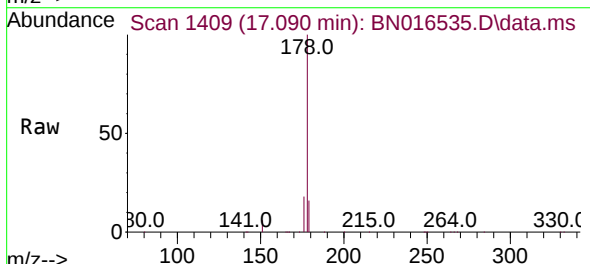
Instrument :
 BNA_N
 ClientSampleId :
 S-824-N-SO-0-0.5-092221

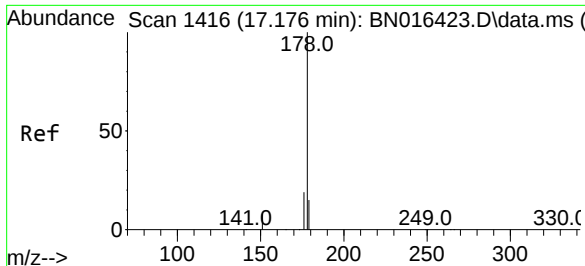
Tgt Ion:	266	Resp:	69
Ion	Ratio	Lower	Upper
266	100		
264	71.0	50.6	75.8
268	75.4	52.6	79.0



#25
 Phenanthrene
 Concen: 2.450 ng
 RT: 17.090 min Scan# 1409
 Delta R.T. -0.000 min
 Lab File: BN016535.D
 Acq: 27 Sep 2021 06:51

Tgt Ion:	178	Resp:	537789
Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.4	21.6
179	15.7	12.2	18.4

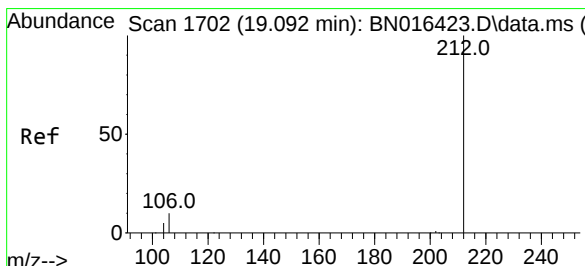
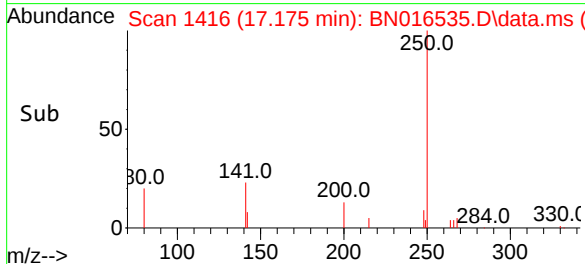
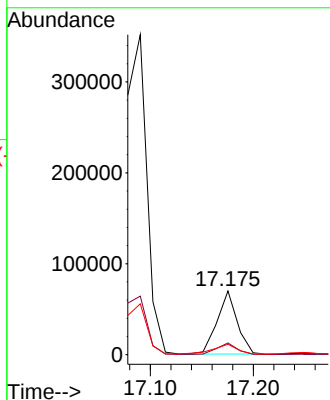
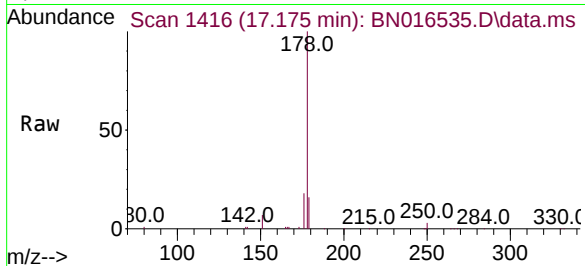




#26
 Anthracene
 Concen: 0.511 ng
 RT: 17.175 min Scan# 1416
 Delta R.T. -0.000 min
 Lab File: BN016535.D
 Acq: 27 Sep 2021 06:51

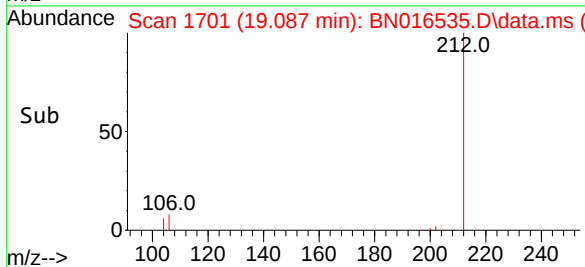
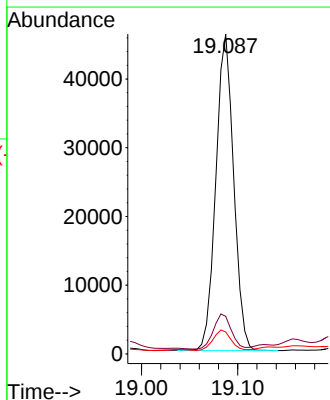
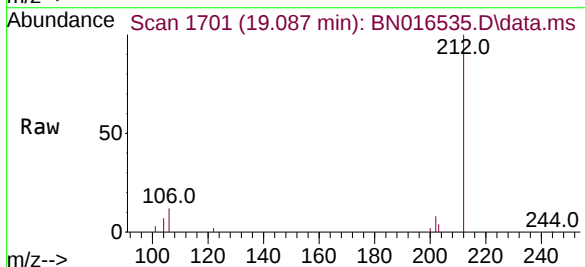
Instrument :
 BNA_N
 ClientSampleId :
 S-824-N-SO-0-0.5-092221

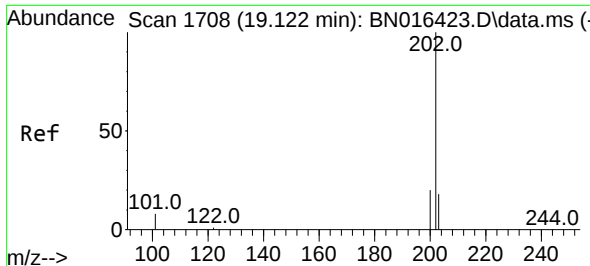
Tgt Ion:	178	Resp:	93383
Ion Ratio	Lower	Upper	
178	100		
176	18.4	13.9	20.9
179	18.9	12.2	18.4#



#27
 Fluoranthene-d10
 Concen: 0.293 ng
 RT: 19.087 min Scan# 1701
 Delta R.T. -0.005 min
 Lab File: BN016535.D
 Acq: 27 Sep 2021 06:51

Tgt Ion:	212	Resp:	59309
Ion Ratio	Lower	Upper	
212	100		
106	11.0	9.8	14.6
104	6.3	5.4	8.2

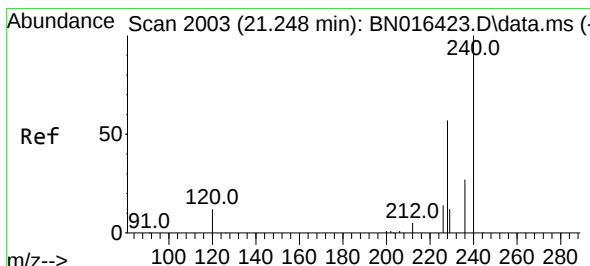
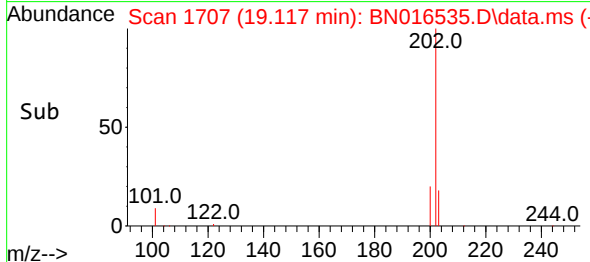
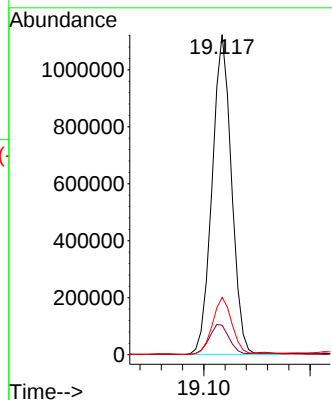
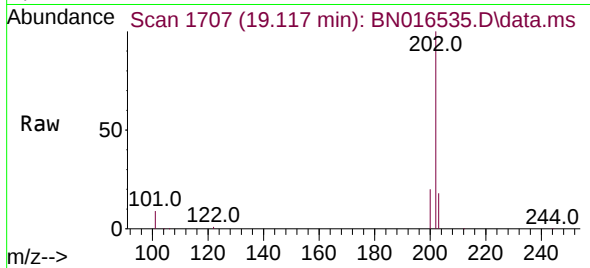




#28
Fluoranthene
Concen: 5.896 ng
RT: 19.117 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

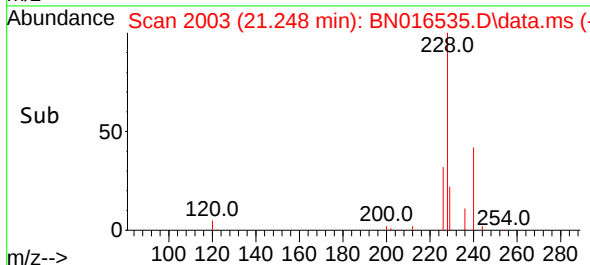
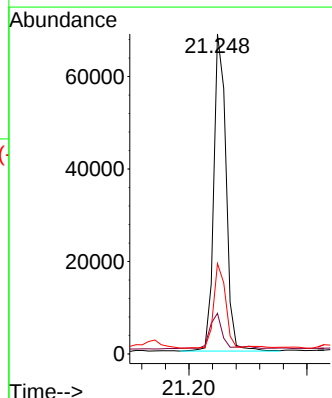
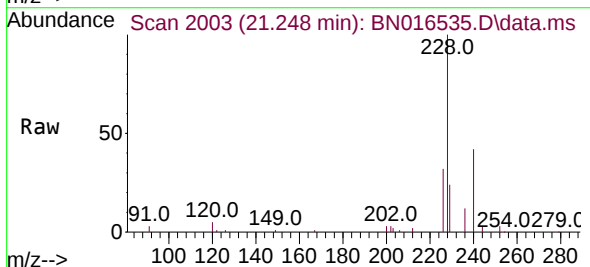
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

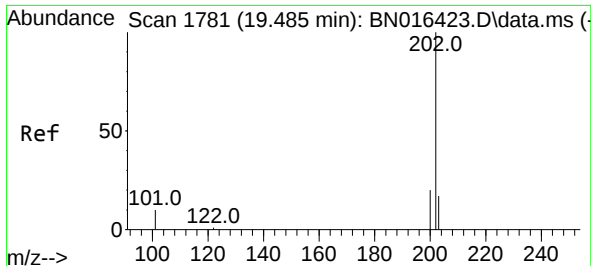
Tgt Ion:202 Resp: 1418594
Ion Ratio Lower Upper
202 100
101 9.8 8.5 12.7
203 17.9 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.248 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:240 Resp: 99043
Ion Ratio Lower Upper
240 100
120 12.7 5.3 7.9#
236 28.2 19.8 29.8

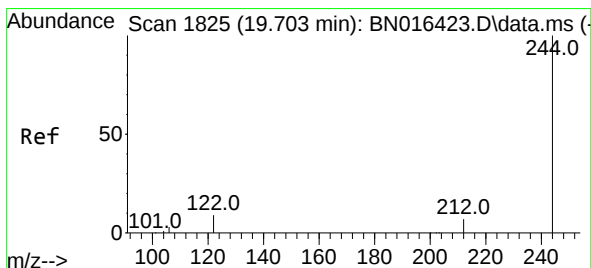
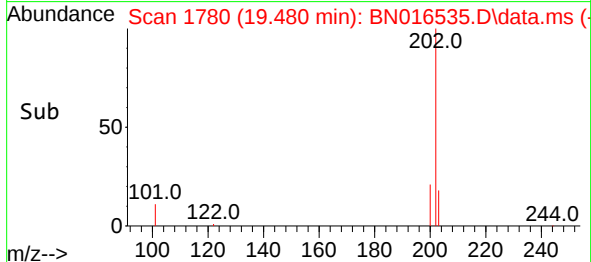
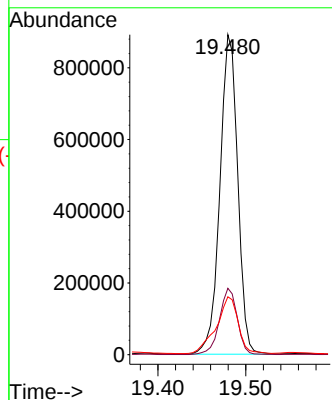
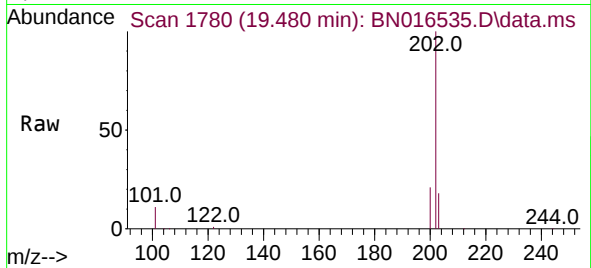




#30
Pyrene
Concen: 4.049 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

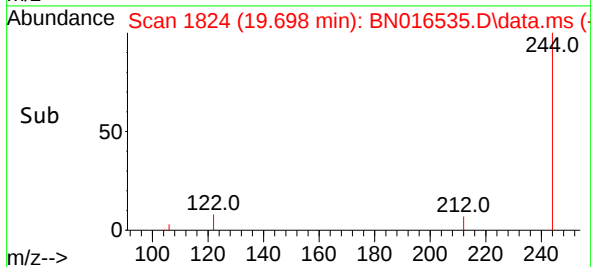
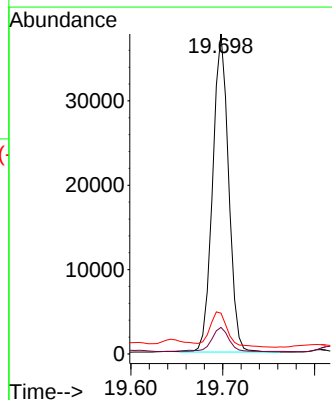
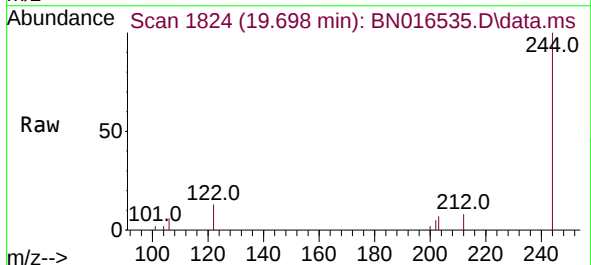
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

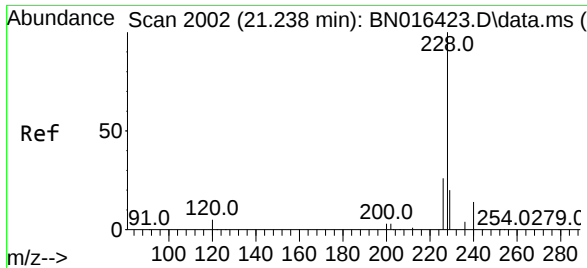
Tgt Ion:202 Resp: 1255519
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.6
203 21.9 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.198 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:244 Resp: 45680
Ion Ratio Lower Upper
244 100
212 8.3 5.5 8.3#
122 12.8 9.0 13.4

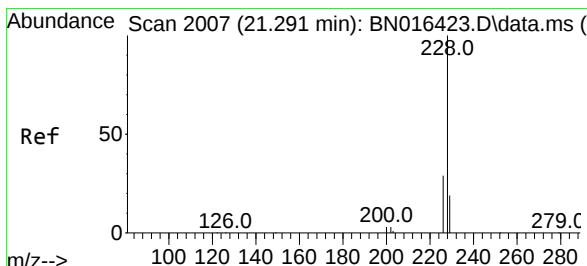
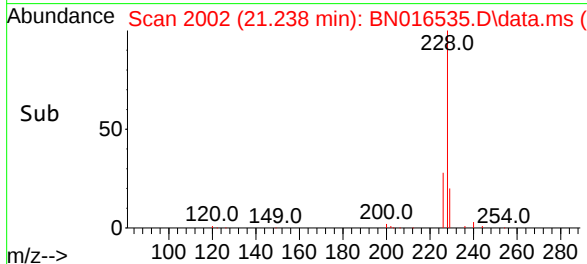
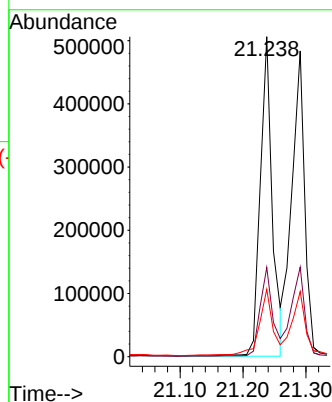
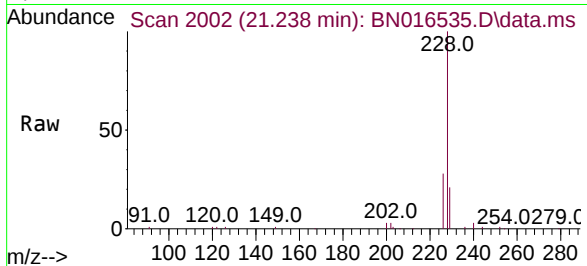




#32
Benzo(a)anthracene
Concen: 2.334 ng
RT: 21.238 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

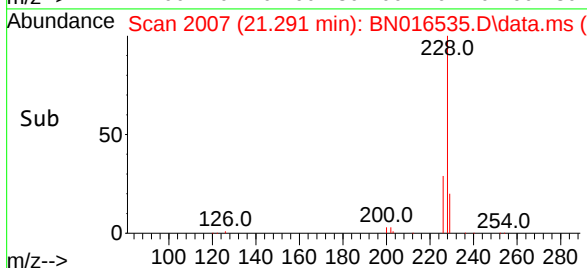
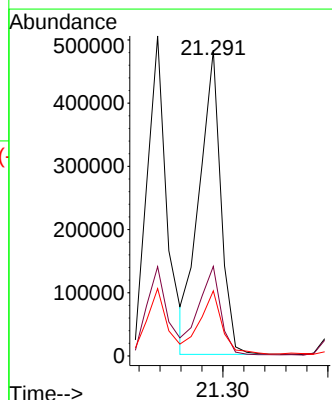
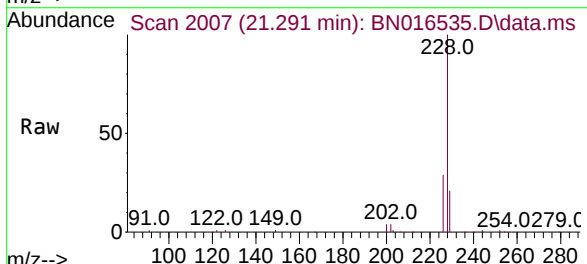
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

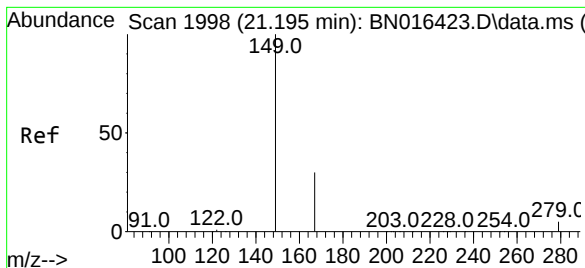
Tgt Ion:228 Resp: 670302
Ion Ratio Lower Upper
228 100
226 27.9 20.8 31.2
229 21.1 15.8 23.6



#33
Chrysene
Concen: 2.222 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:228 Resp: 685712
Ion Ratio Lower Upper
228 100
226 29.3 23.0 34.4
229 21.3 15.6 23.4

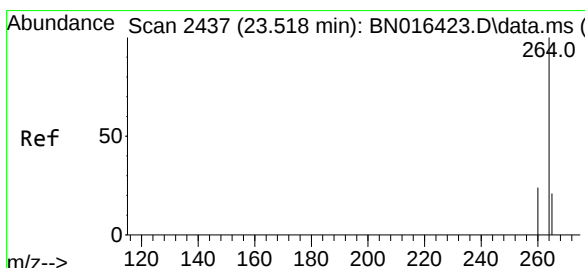
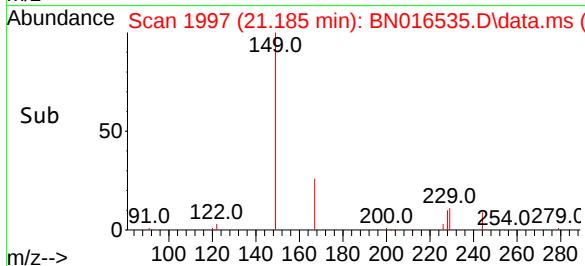
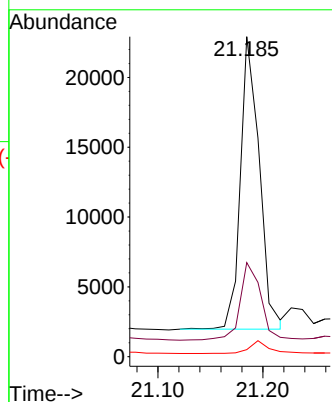
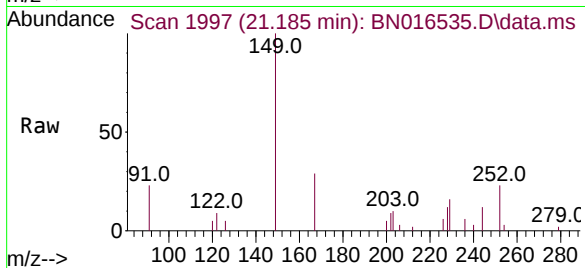




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.333 ng
 RT: 21.185 min Scan# 1997
 Delta R.T. -0.011 min
 Lab File: BN016535.D
 Acq: 27 Sep 2021 06:51

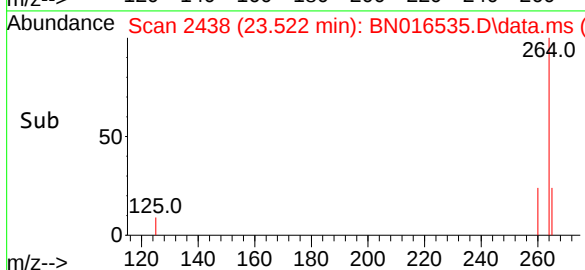
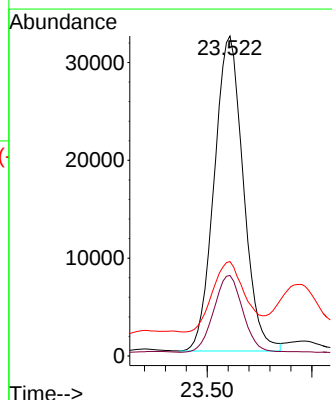
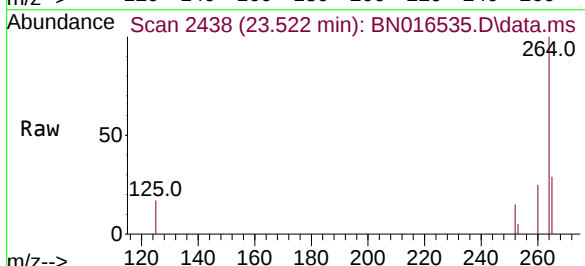
Instrument :
 BNA_N
 ClientSampleId :
 S-824-N-SO-0-0.5-092221

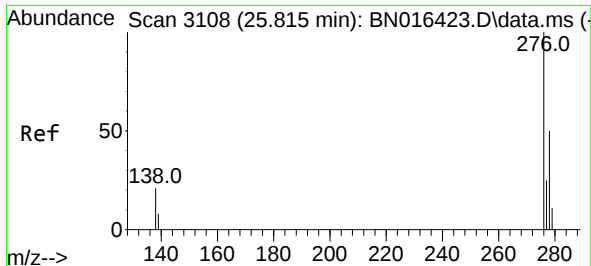
Tgt Ion:149	Resp:	26051
Ion Ratio	Lower	Upper
149	100	
167	29.7	23.4 35.0
279	4.7	3.9 5.9



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.522 min Scan# 2438
 Delta R.T. 0.003 min
 Lab File: BN016535.D
 Acq: 27 Sep 2021 06:51

Tgt Ion:264	Resp:	62191
Ion Ratio	Lower	Upper
264	100	
260	25.1	18.9 28.3
265	29.5	23.7 35.5

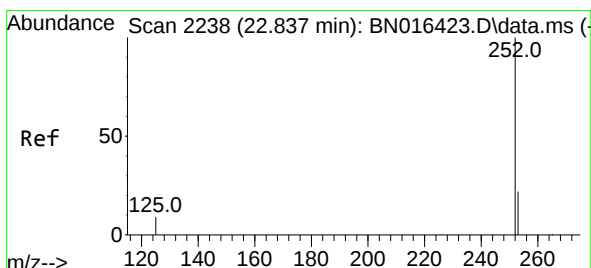
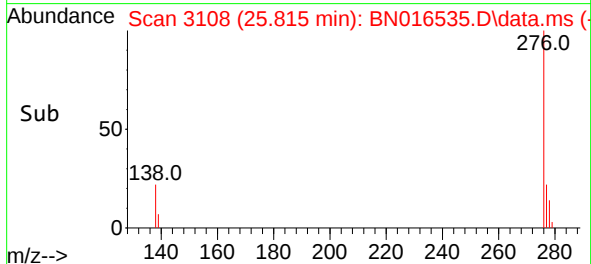
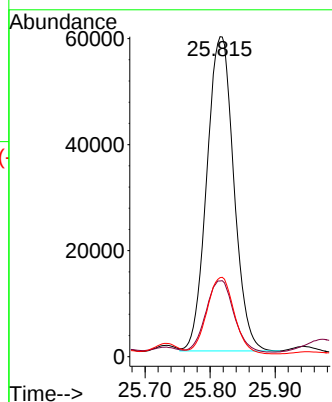
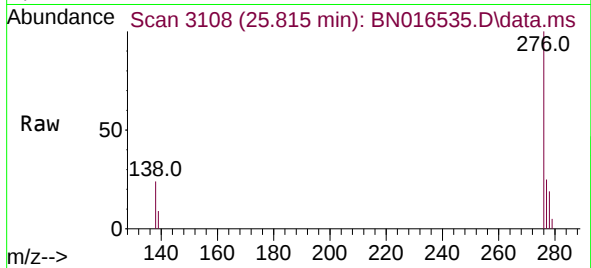




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.846 ng
RT: 25.815 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

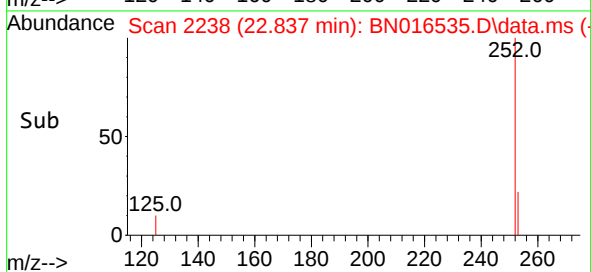
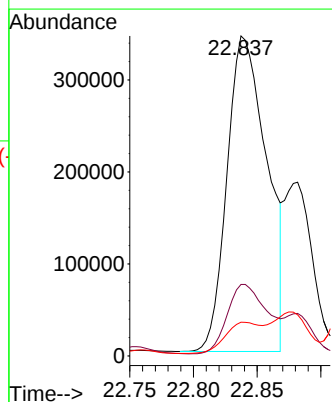
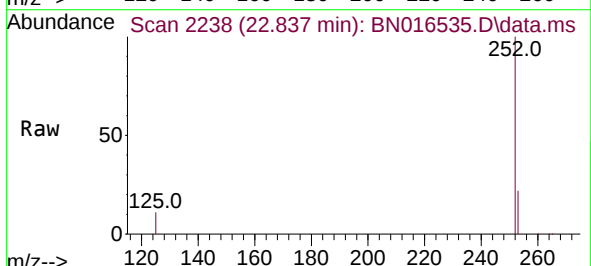
Instrument :
BNA_N
ClientSampleId :
S-824-N-SO-0-0.5-092221

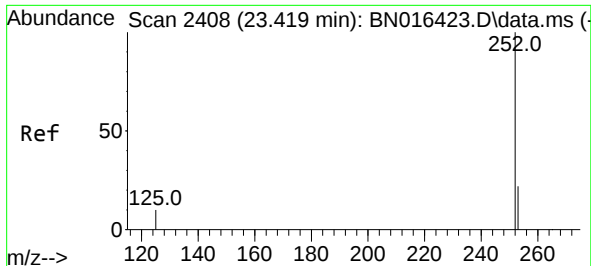
Tgt Ion:276 Resp: 170550
Ion Ratio Lower Upper
276 100
138 23.5 19.3 28.9
277 24.7 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 3.591 ng
RT: 22.837 min Scan# 2238
Delta R.T. -0.000 min
Lab File: BN016535.D
Acq: 27 Sep 2021 06:51

Tgt Ion:252 Resp: 746112
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 10.6 8.4 12.6





#39

Benzo(a)pyrene

Concen: 2.475 ng

RT: 23.419 min Scan# 2408

Delta R.T. -0.000 min

Lab File: BN016535.D

Acq: 27 Sep 2021 06:51

Instrument :

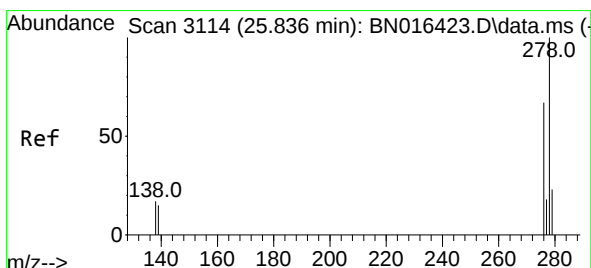
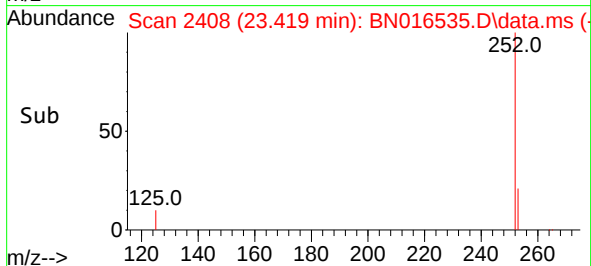
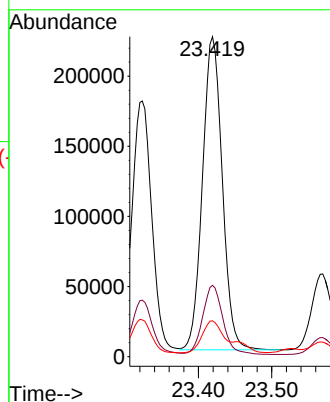
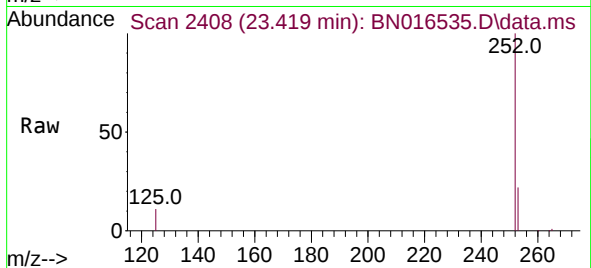
BNA_N

ClientSampleId :

S-824-N-SO-0-0.5-092221

Tgt Ion:252 Resp: 419304

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.7	28.1
125	11.2	9.9	14.9



#40

Dibenzo(a,h)anthracene

Concen: 0.260 ng

RT: 25.832 min Scan# 3113

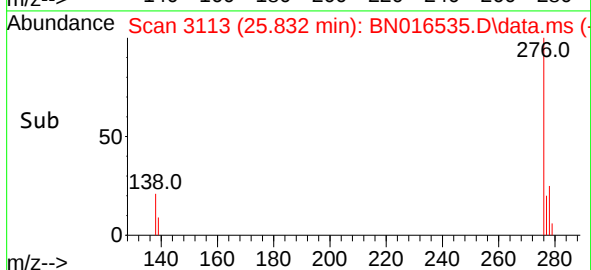
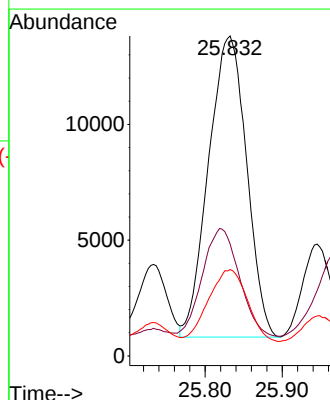
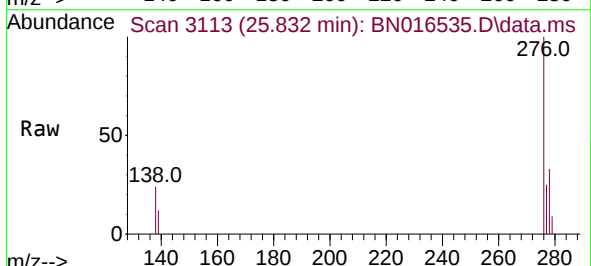
Delta R.T. -0.004 min

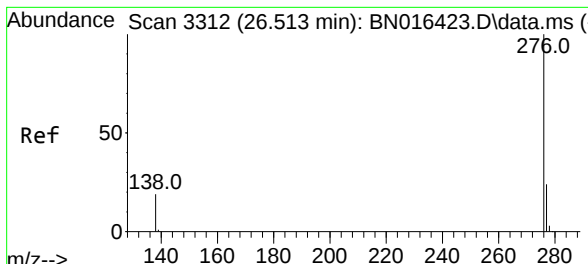
Lab File: BN016535.D

Acq: 27 Sep 2021 06:51

Tgt Ion:278 Resp: 44608

Ion	Ratio	Lower	Upper
278	100		
139	35.0	14.2	21.2#
279	27.0	21.3	31.9





#41
 Benzo(g,h,i)perylene
 Concen: 0.794 ng
 RT: 26.524 min Scan# 3315
 Delta R.T. 0.010 min
 Lab File: BN016535.D
 Acq: 27 Sep 2021 06:51

Instrument :
 BNA_N
 ClientSampleId :
 S-824-N-SO-0-0.5-092221

Tgt Ion:	276	Resp:	139990
Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.5	30.7
138	22.8	18.2	27.4

