

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016537.D
 Acq On : 27 Sep 2021 08:03
 Operator : CG/JU
 Sample : M3945-02 5X
 Misc :
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-815-N-SO-1-1.5-092421-FD

Quant Time: Sep 27 09:21:01 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)

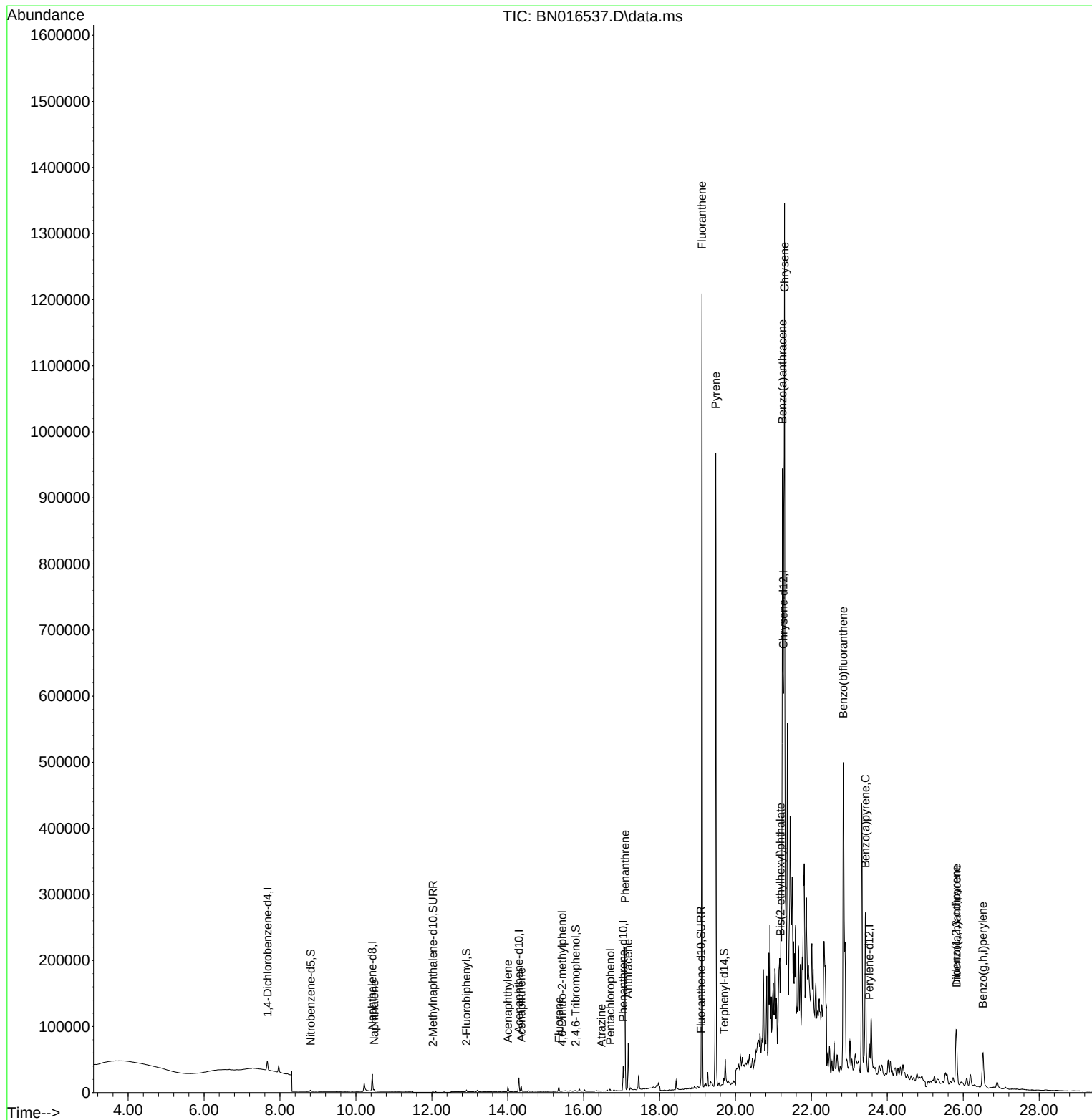
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	8659	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	32389	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	9465	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	46507	0.400	ng	0.00
29) Chrysene-d12	21.259	240	102028	0.400	ng	# 0.01
35) Perylene-d12	23.526	264	61056	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.310	112	142	0.007	ng	0.03
5) Phenol-d6	6.850	99	451	0.020	ng	0.00
8) Nitrobenzene-d5	8.810	82	1771	0.077	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	1339	0.028	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	242	0.192	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	2041	0.051	ng	-0.01
27) Fluoranthene-d10	19.088	212	12819	0.100	ng	0.00
31) Terphenyl-d14	19.698	244	10423	0.044	ng	0.00
Target Compounds					Qvalue	
9) Naphthalene	10.483	128	3100	0.036	ng	# 94
16) Acenaphthylene	14.002	152	7166	0.186	ng	99
17) Acenaphthene	14.358	154	2928	0.107	ng	# 55
18) Fluorene	15.347	166	4386	0.134	ng	98
20) 4,6-Dinitro-2-methylph...	15.436	198	33	0.154	ng	# 1
23) Atrazine	16.470	200	9	0.135	ng	# 1
24) Pentachlorophenol	16.701	266	834	0.305	ng	99
25) Phenanthrene	17.091	178	251046	1.814	ng	98
26) Anthracene	17.176	178	65721	0.570	ng	97
28) Fluoranthene	19.118	202	1045119	6.890	ng	99
30) Pyrene	19.480	202	856841	2.682	ng	# 95
32) Benzo(a)anthracene	21.238	228	734953	2.484	ng	# 84
33) Chrysene	21.291	228	1257144	3.955	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.185	149	3192	0.040	ng	# 87
36) Indeno(1,2,3-cd)pyrene	25.812	276	116727	0.590	ng	100
37) Benzo(b)fluoranthene	22.841	252	763778	3.744	ng	99
39) Benzo(a)pyrene	23.423	252	356681	2.144	ng	97
40) Dibenzo(a,h)anthracene	25.822	278	50401	0.299	ng	# 67
41) Benzo(g,h,i)perylene	26.521	276	110923	0.641	ng	98

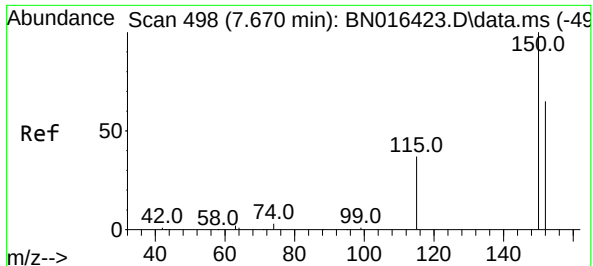
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
Data File : BN016537.D
Acq On : 27 Sep 2021 08:03
Operator : CG/JU
Sample : M3945-02 5X
Misc :
ALS Vial : 70 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

Quant Time: Sep 27 09:21:01 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

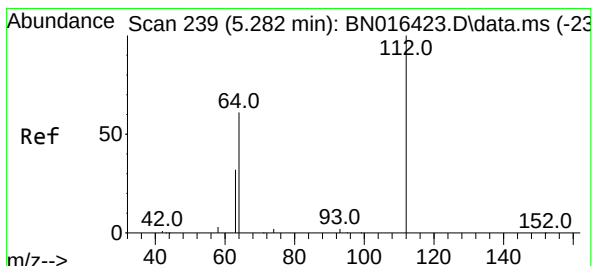
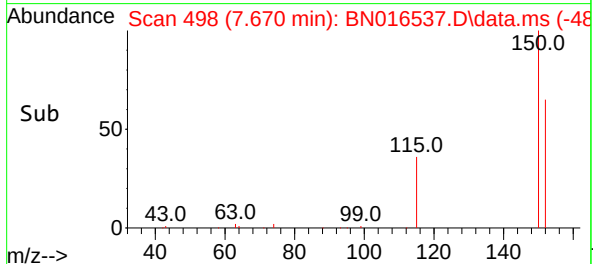
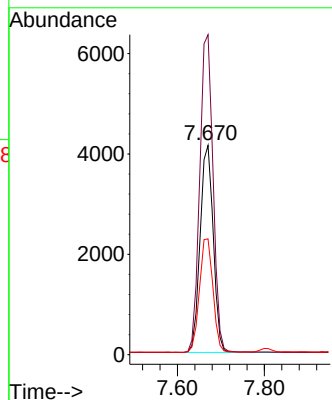
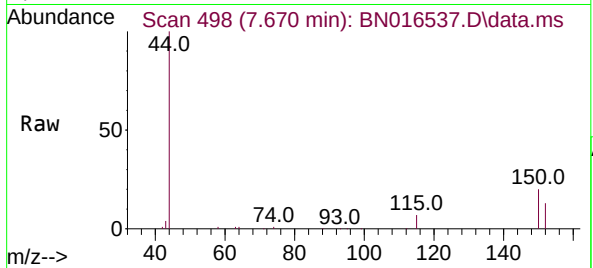




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. 0.000 min
 Lab File: BN016537.D
 Acq: 27 Sep 2021 08:03

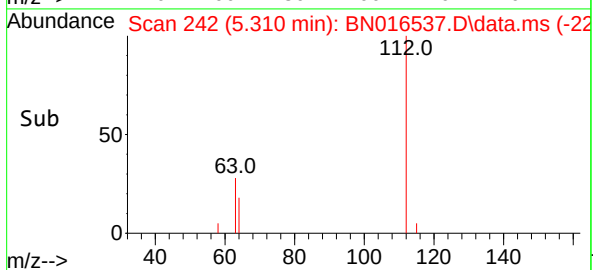
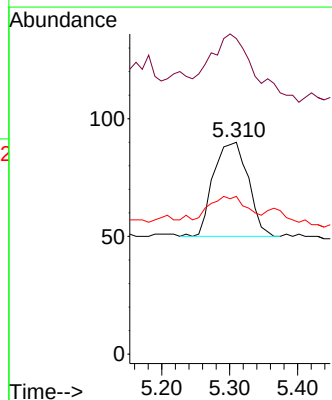
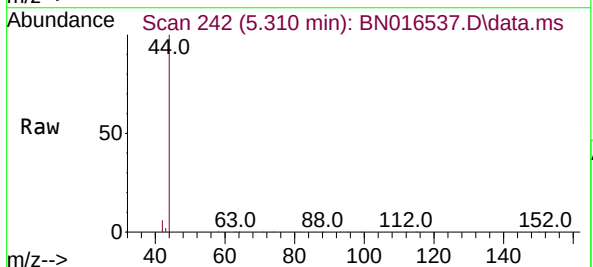
Instrument :
 BNA_N
 ClientSampleId :
 S-815-N-SO-1-1.5-092421-FD

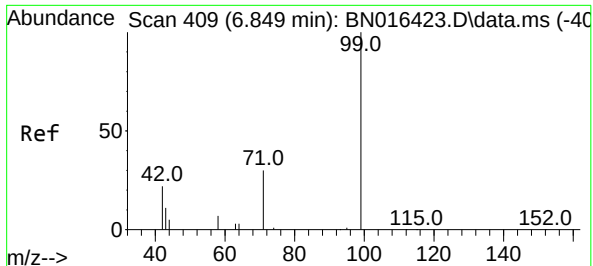
Tgt Ion:152 Resp: 8659
 Ion Ratio Lower Upper
 152 100
 150 152.9 125.6 188.4
 115 55.4 50.2 75.2



#4
 2-Fluorophenol
 Concen: 0.007 ng
 RT: 5.310 min Scan# 242
 Delta R.T. 0.028 min
 Lab File: BN016537.D
 Acq: 27 Sep 2021 08:03

Tgt Ion:112 Resp: 142
 Ion Ratio Lower Upper
 112 100
 64 74.6 47.3 70.9#
 63 26.8 23.4 35.0

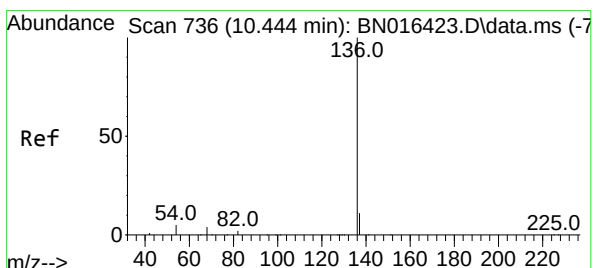
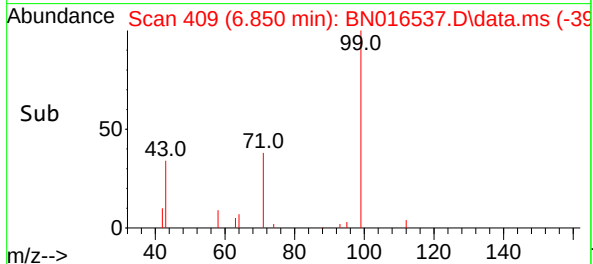
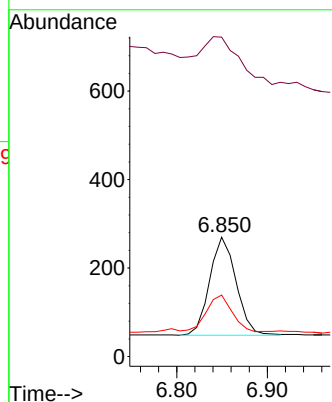
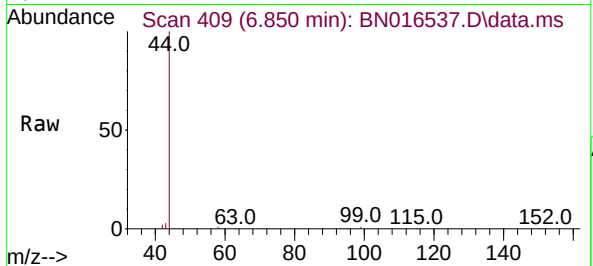




#5
Phenol-d6
Concen: 0.020 ng
RT: 6.850 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

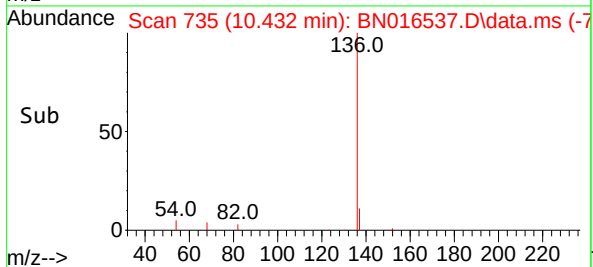
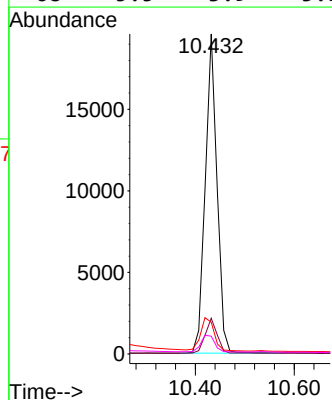
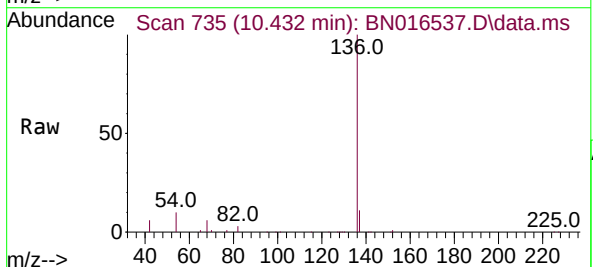
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

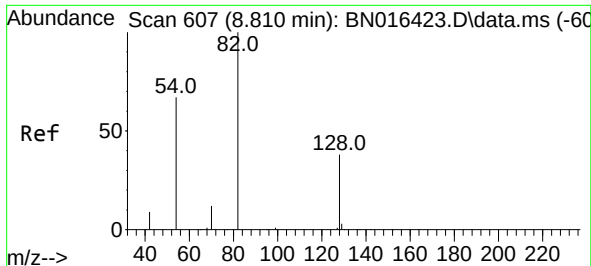
Tgt Ion: 99 Resp: 451
Ion Ratio Lower Upper
99 100
42 70.1 14.0 21.0#
71 35.5 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion: 136 Resp: 32389
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.9 5.3 7.9#
68 5.5 3.9 5.9

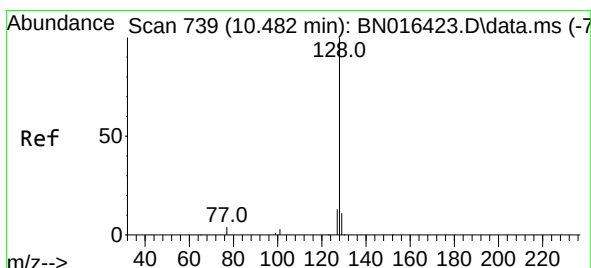
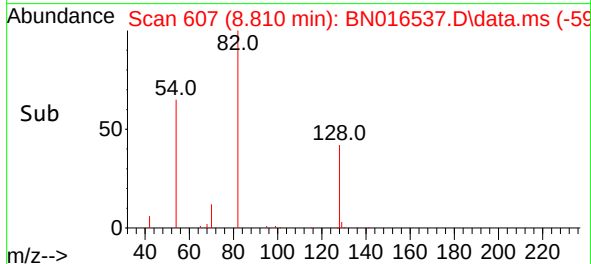
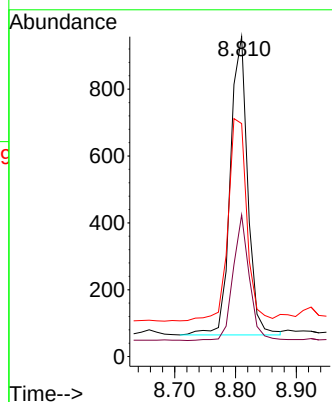
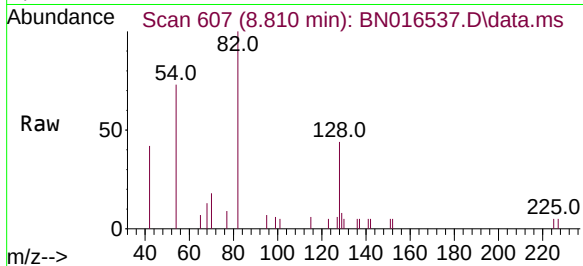




#8
Nitrobenzene-d5
Concen: 0.077 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

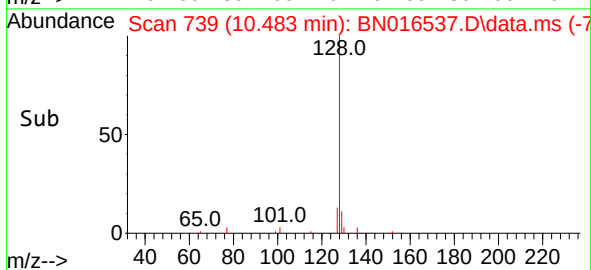
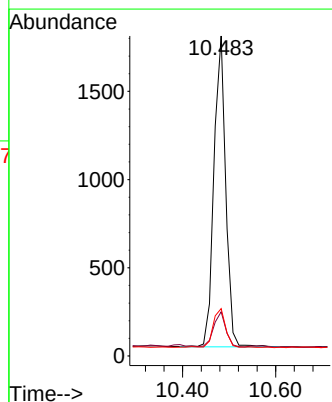
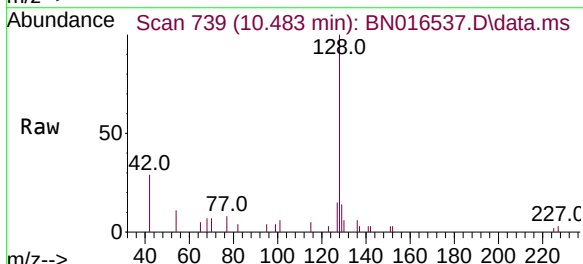
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

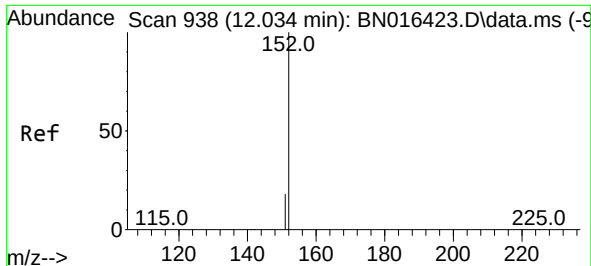
Tgt Ion: 82 Resp: 1771
Ion Ratio Lower Upper
82 100
128 44.3 31.7 47.5
54 72.8 46.4 69.6#



#9
Naphthalene
Concen: 0.036 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion: 128 Resp: 3100
Ion Ratio Lower Upper
128 100
129 13.8 8.9 13.3#
127 14.8 10.1 15.1

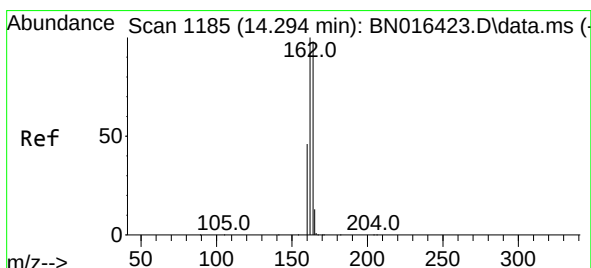
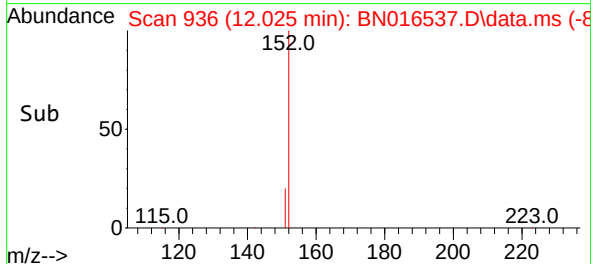
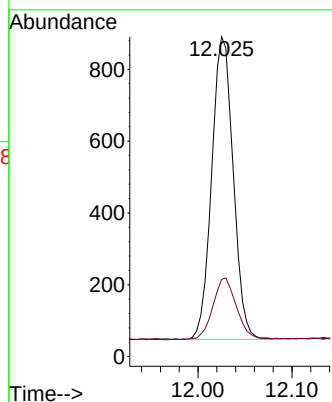
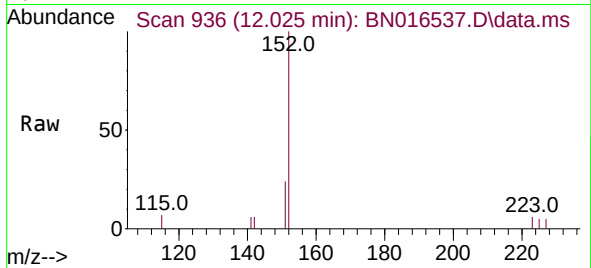




#11
2-Methylnaphthalene-d10
Concen: 0.028 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

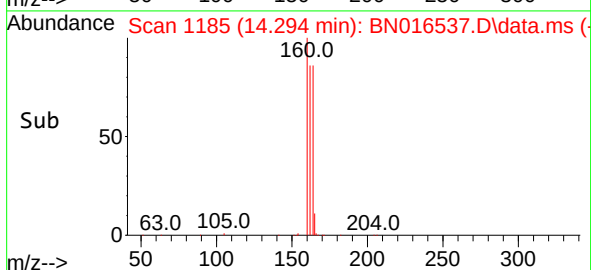
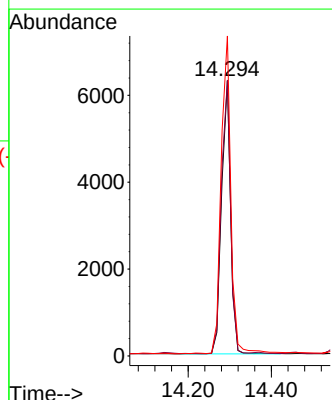
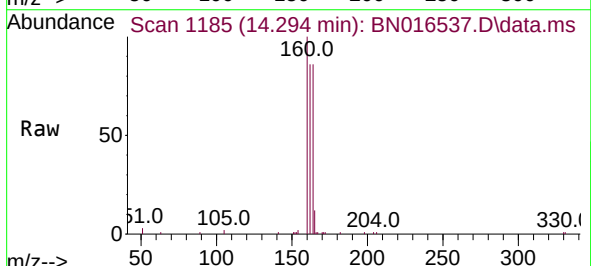
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

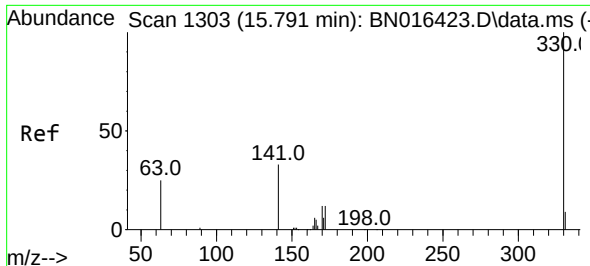
Tgt Ion:152 Resp: 1339
Ion Ratio Lower Upper
152 100
151 22.6 16.1 24.1



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:164 Resp: 9465
Ion Ratio Lower Upper
164 100
162 100.4 79.0 118.4
160 116.4 34.1 51.1#

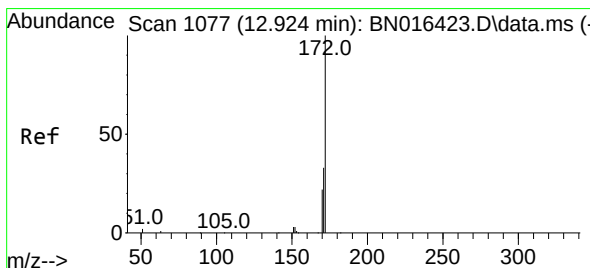
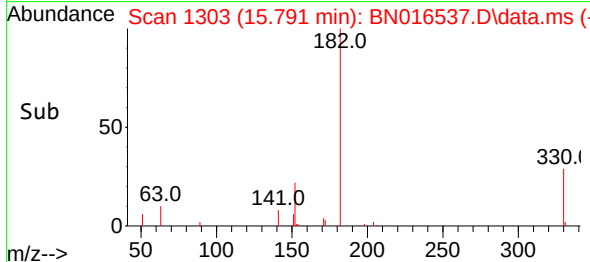
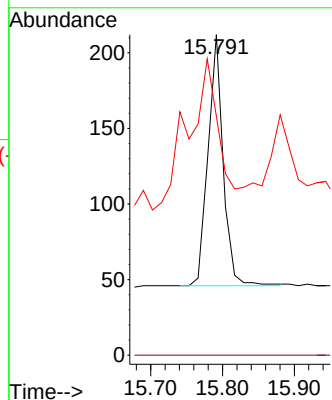
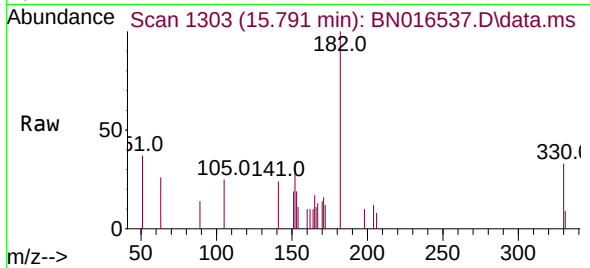




#14
2,4,6-Tribromophenol
Concen: 0.192 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

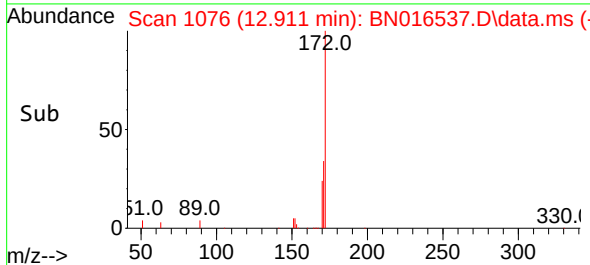
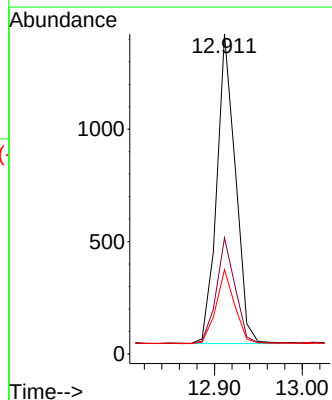
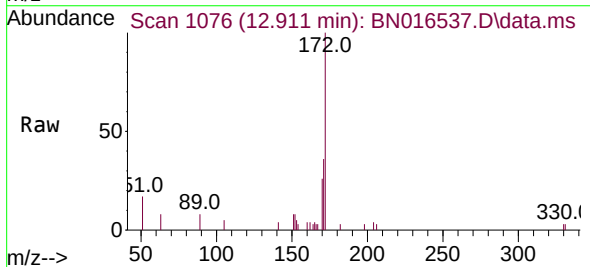
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

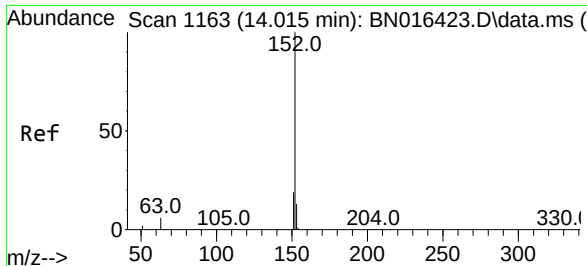
Tgt Ion:330 Resp: 242
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 112.0 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.051 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:172 Resp: 2041
Ion Ratio Lower Upper
172 100
171 36.3 27.8 41.6
170 26.3 18.2 27.2

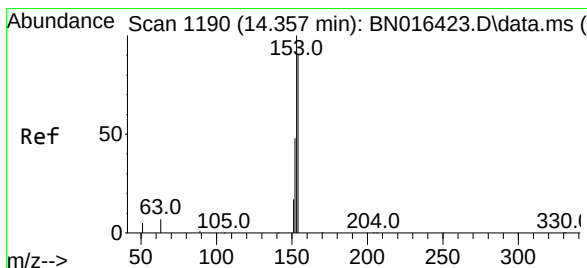
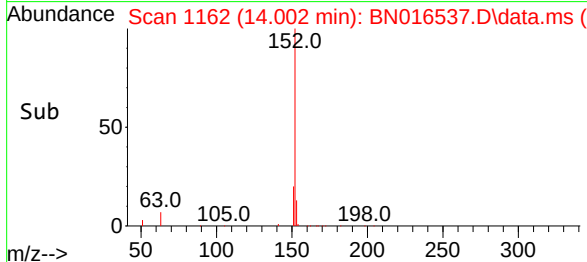
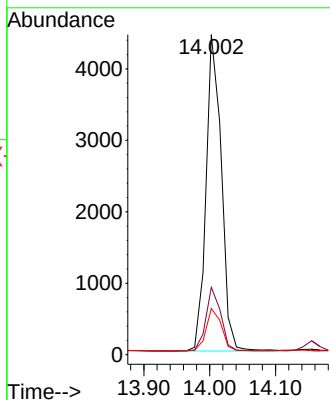
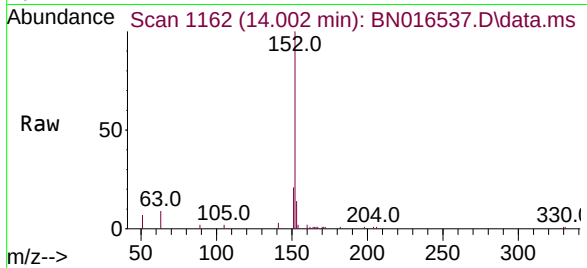




#16
Acenaphthylene
Concen: 0.186 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

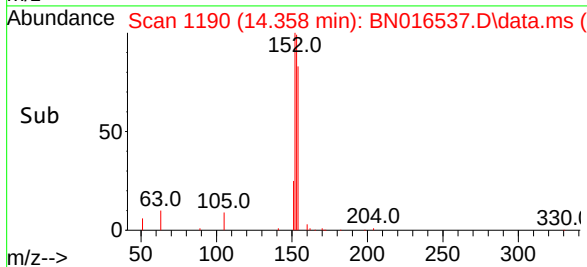
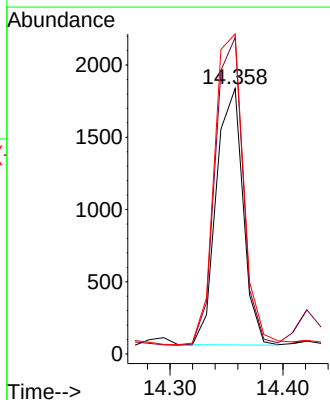
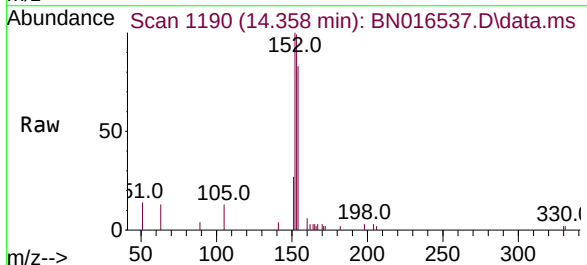
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

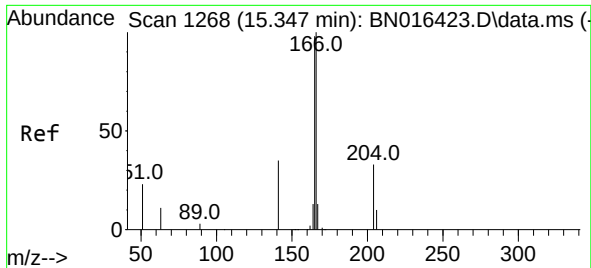
Tgt Ion:152	Resp:	7166
Ion Ratio	Lower	Upper
152	100	
151	19.7	15.2 22.8
153	13.3	10.5 15.7



#17
Acenaphthene
Concen: 0.107 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:154	Resp:	2928
Ion Ratio	Lower	Upper
154	100	
153	124.4	89.3 133.9
152	133.6	42.2 63.4#

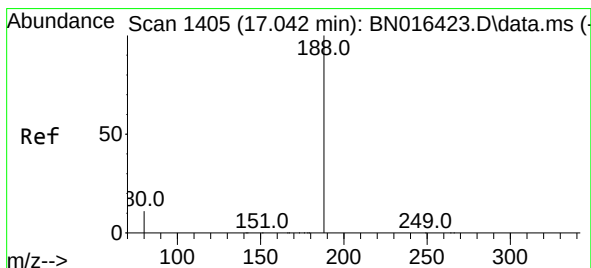
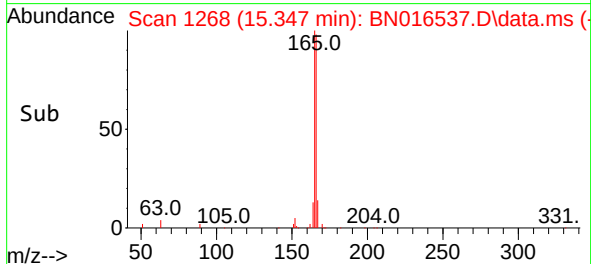
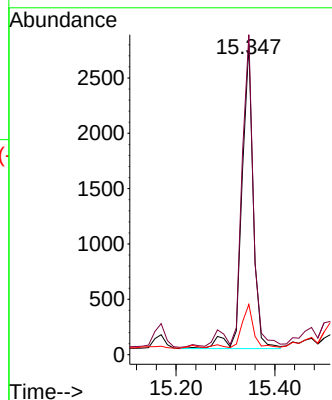
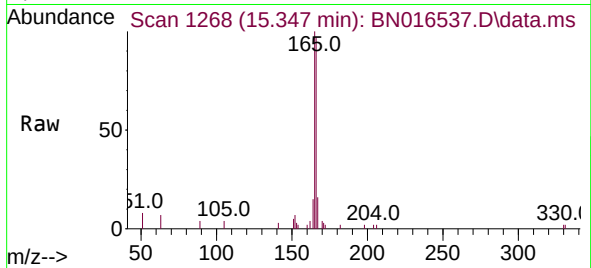




#18
Fluorene
Concen: 0.134 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

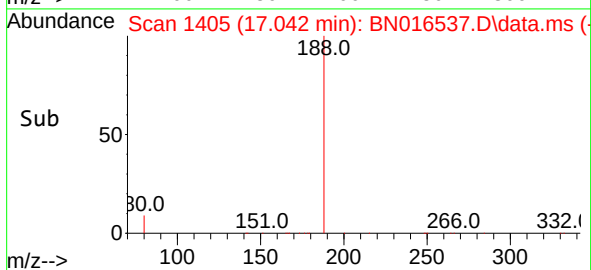
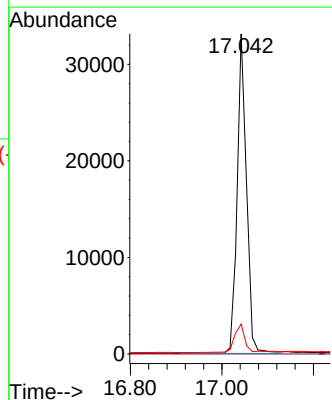
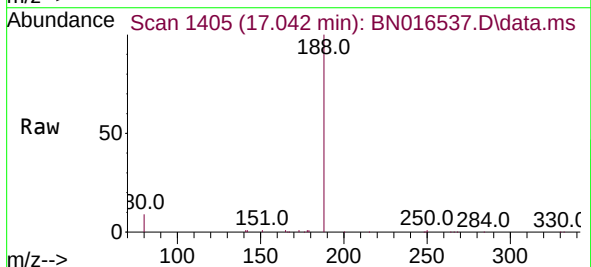
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

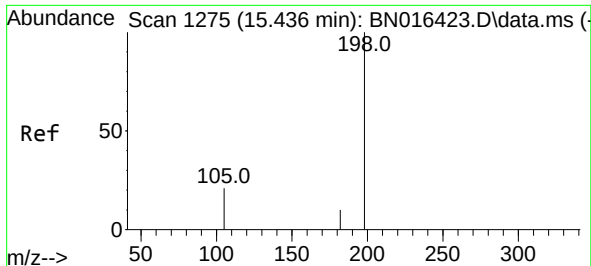
Tgt Ion:166 Resp: 4386
Ion Ratio Lower Upper
166 100
165 98.2 76.7 115.1
167 14.0 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:188 Resp: 46507
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.3 7.0 10.6

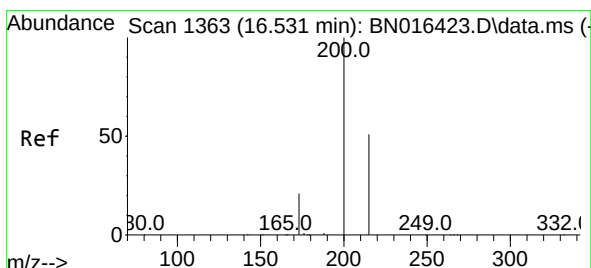
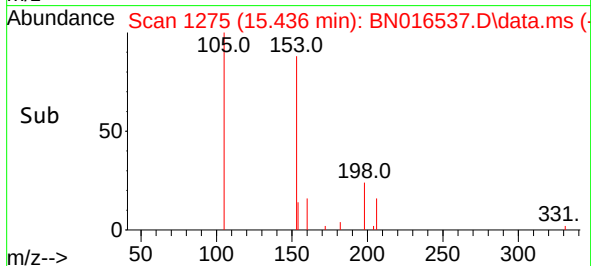
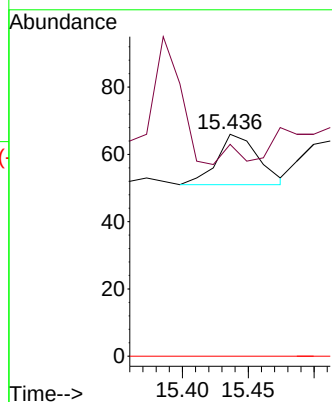
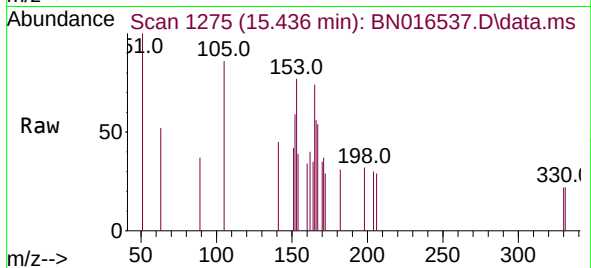




#20
4,6-Dinitro-2-methylphenol
Concen: 0.154 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

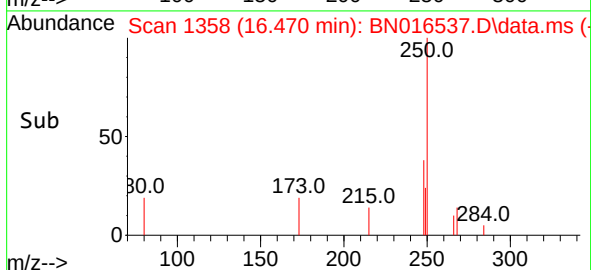
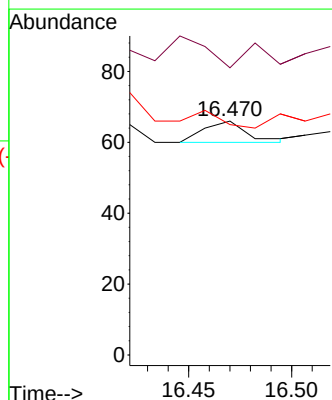
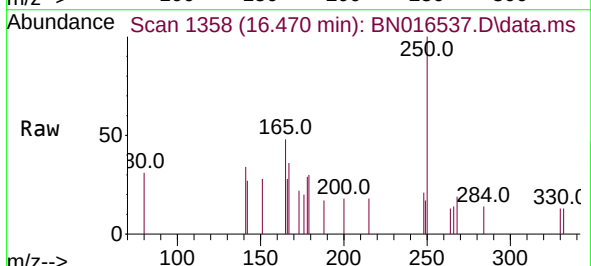
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

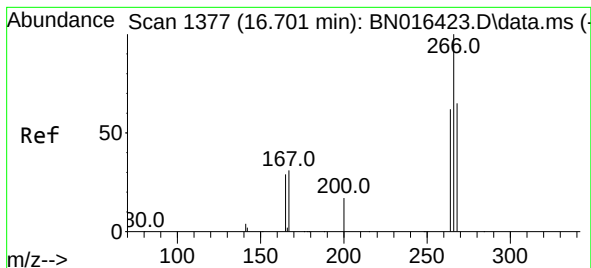
Tgt Ion:198 Resp: 33
Ion Ratio Lower Upper
198 100
182 95.5 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.135 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.061 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:200 Resp: 9
Ion Ratio Lower Upper
200 100
173 122.7 18.7 28.1#
215 98.5 41.6 62.4#

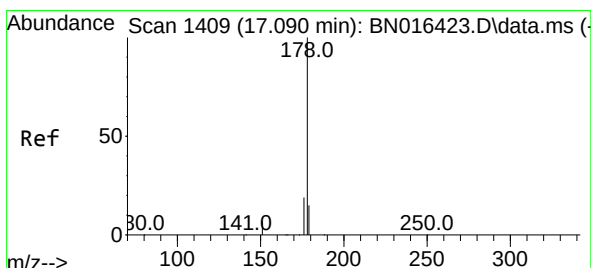
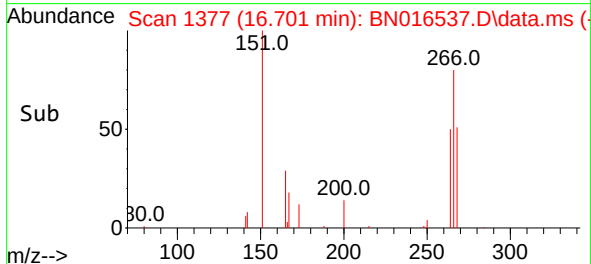
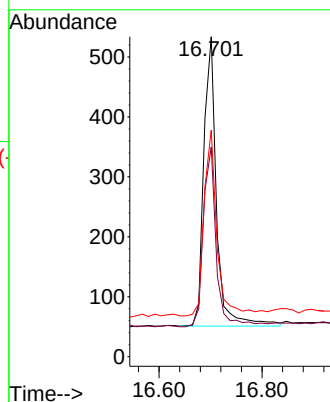
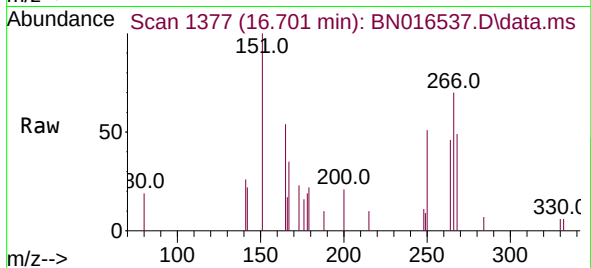




#24
Pentachlorophenol
Concen: 0.305 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

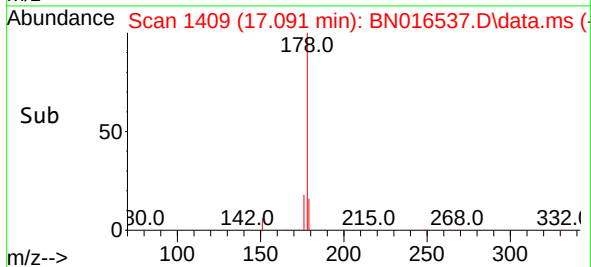
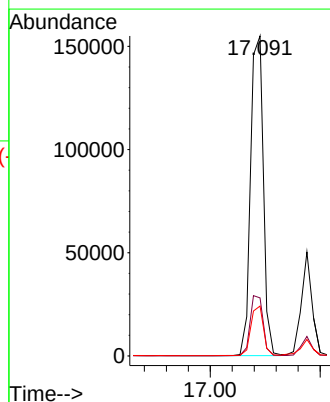
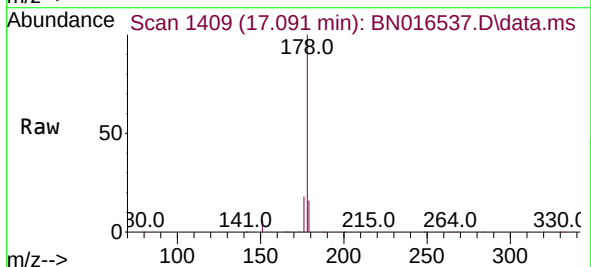
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

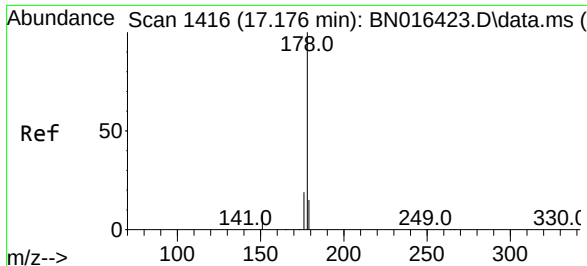
Tgt Ion:	266	Resp:	834
Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.6	75.8
268	64.9	52.6	79.0



#25
Phenanthrene
Concen: 1.814 ng
RT: 17.091 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:	178	Resp:	251046
Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.4	21.6
179	15.4	12.2	18.4



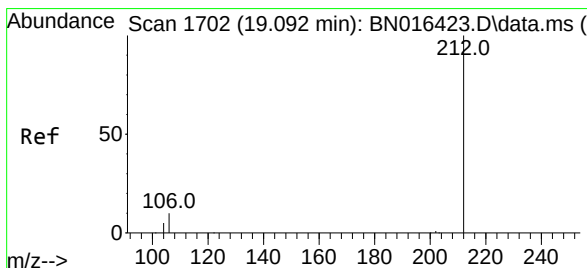
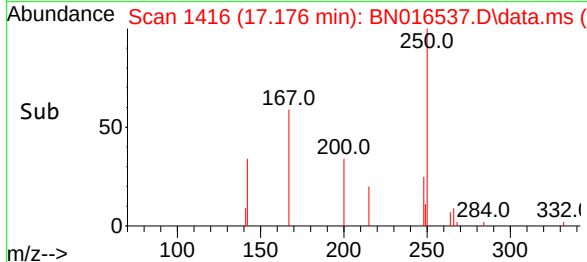
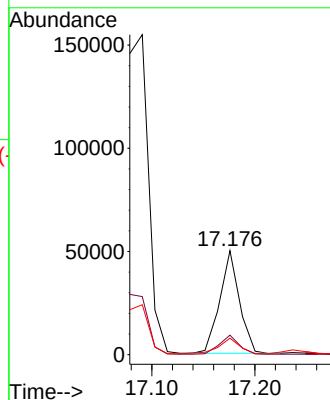
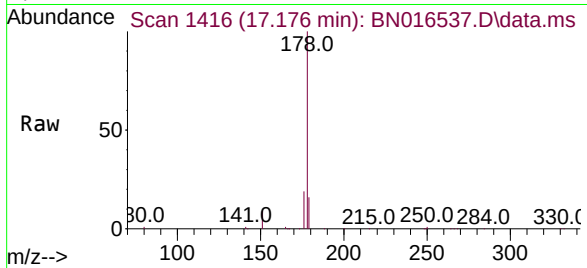


#26
 Anthracene
 Concen: 0.570 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. 0.000 min
 Lab File: BN016537.D
 Acq: 27 Sep 2021 08:03

Instrument :
 BNA_N
 ClientSampleId :
 S-815-N-SO-1-1.5-092421-FD

Tgt Ion:178 Resp: 65721

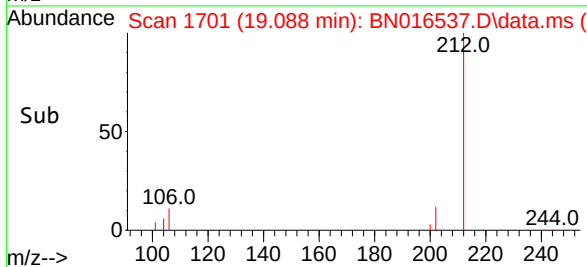
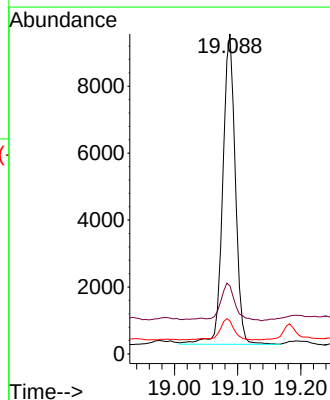
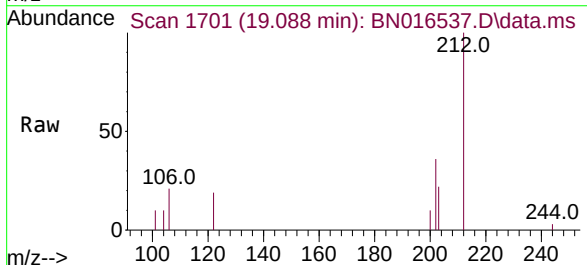
Ion	Ratio	Lower	Upper
178	100		
176	18.7	13.9	20.9
179	16.4	12.2	18.4

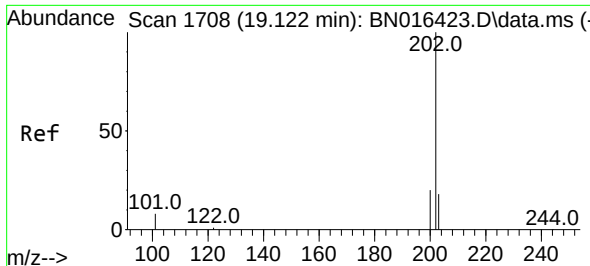


#27
 Fluoranthene-d10
 Concen: 0.100 ng
 RT: 19.088 min Scan# 1701
 Delta R.T. -0.005 min
 Lab File: BN016537.D
 Acq: 27 Sep 2021 08:03

Tgt Ion:212 Resp: 12819

Ion	Ratio	Lower	Upper
212	100		
106	13.8	9.8	14.6
104	7.7	5.4	8.2

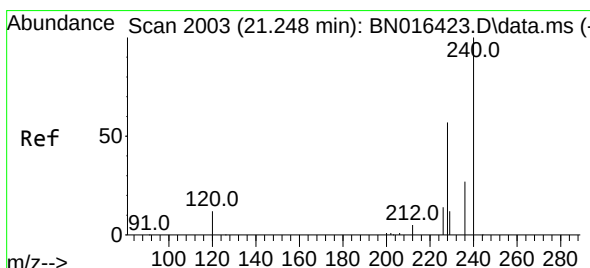
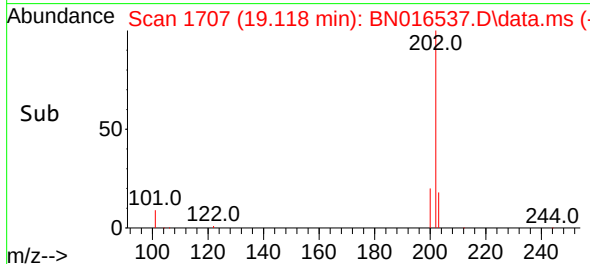
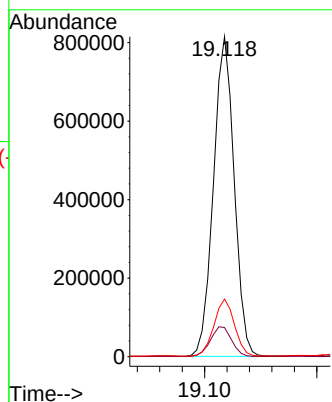
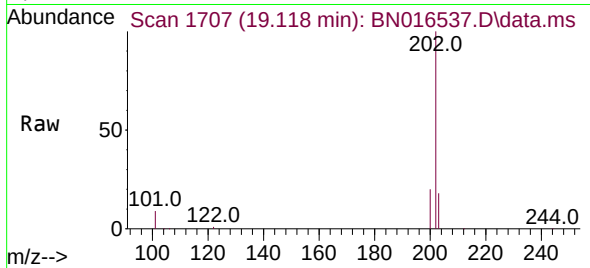




#28
Fluoranthene
Concen: 6.890 ng
RT: 19.118 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

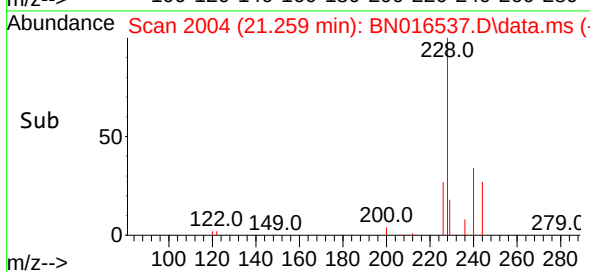
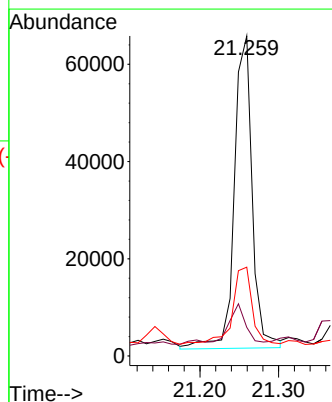
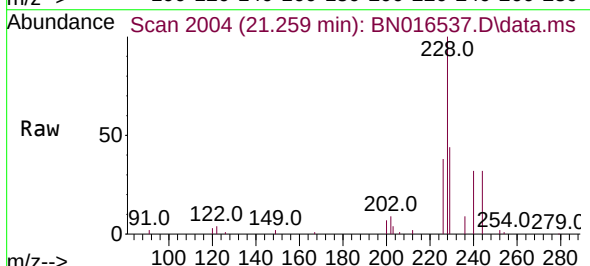
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

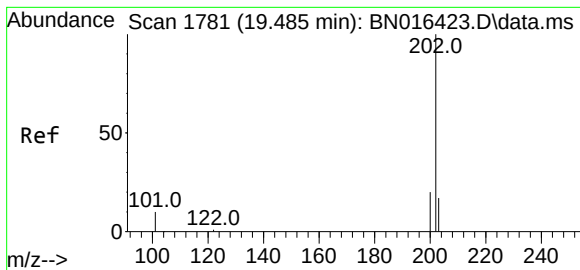
Tgt Ion:202 Resp: 1045119
Ion Ratio Lower Upper
202 100
101 9.5 8.5 12.7
203 17.6 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:240 Resp: 102028
Ion Ratio Lower Upper
240 100
120 9.0 5.3 7.9#
236 27.8 19.8 29.8





#30

Pyrene

Concen: 2.682 ng

RT: 19.480 min Scan# 1780

Delta R.T. -0.005 min

Lab File: BN016537.D

Acq: 27 Sep 2021 08:03

Tgt Ion:202 Resp: 856841

Ion Ratio Lower Upper

202 100

200 20.6 15.8 23.6

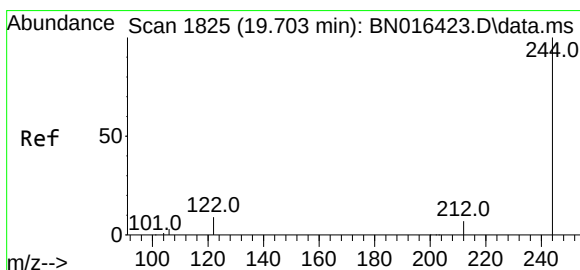
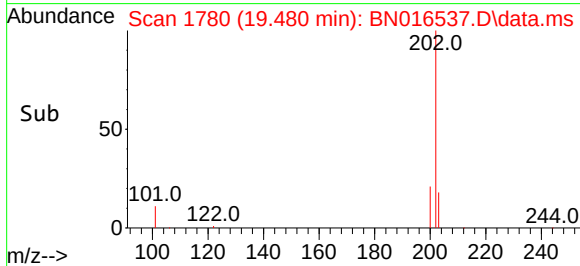
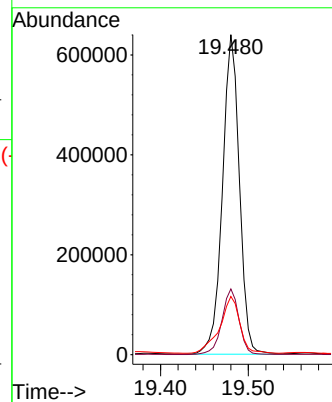
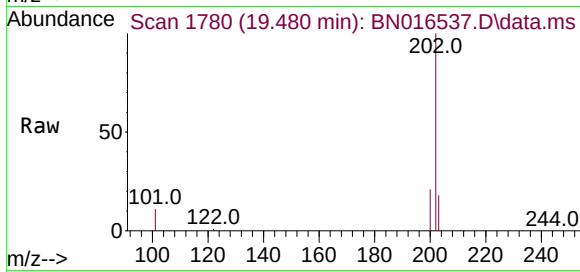
203 20.9 13.9 20.9#

Instrument :

BNA_N

ClientSampleId :

S-815-N-SO-1-1.5-092421-FD



#31

Terphenyl-d14

Concen: 0.044 ng

RT: 19.698 min Scan# 1824

Delta R.T. -0.005 min

Lab File: BN016537.D

Acq: 27 Sep 2021 08:03

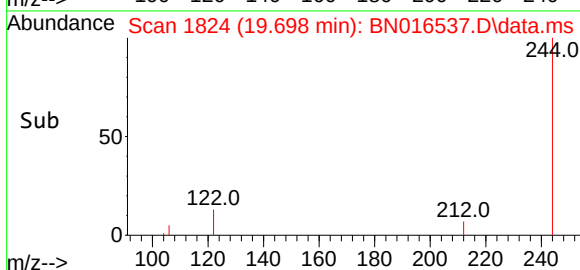
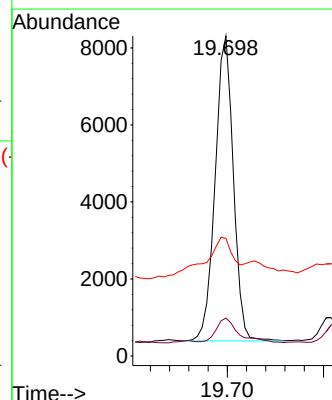
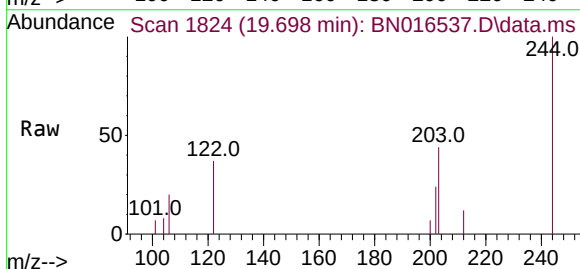
Tgt Ion:244 Resp: 10423

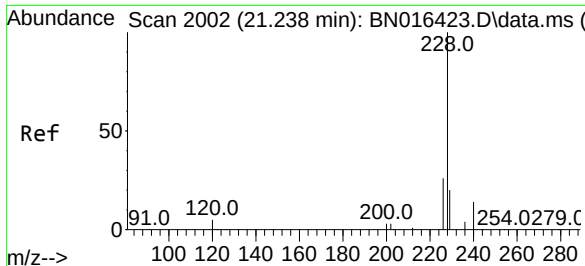
Ion Ratio Lower Upper

244 100

212 11.8 5.5 8.3#

122 36.7 9.0 13.4#

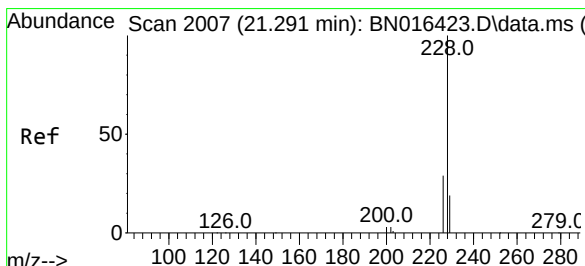
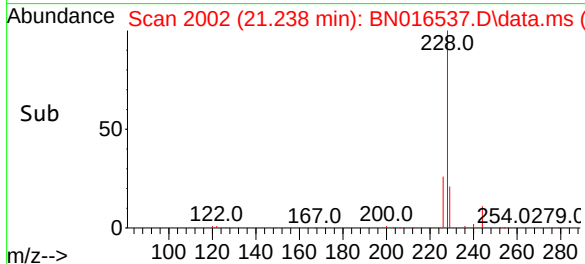
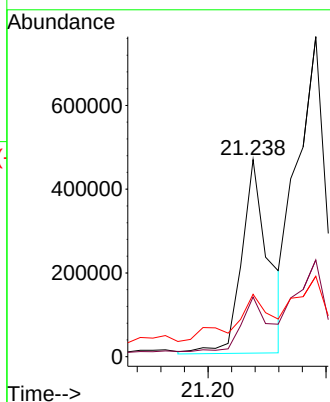
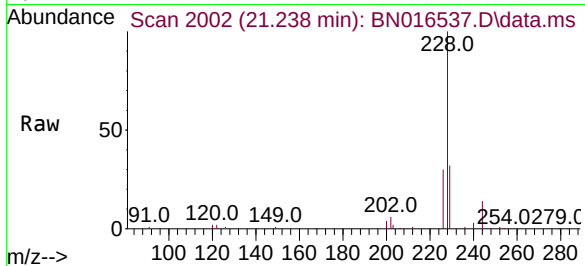




#32
Benzo(a)anthracene
Concen: 2.484 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

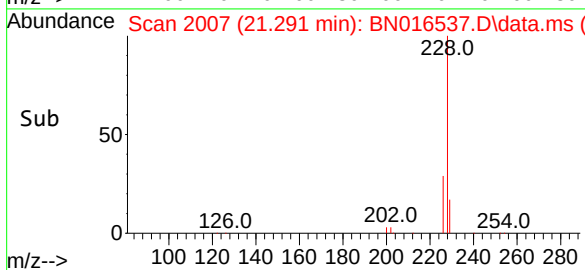
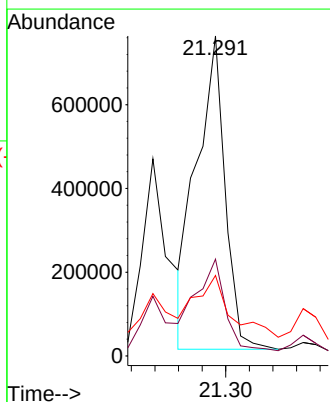
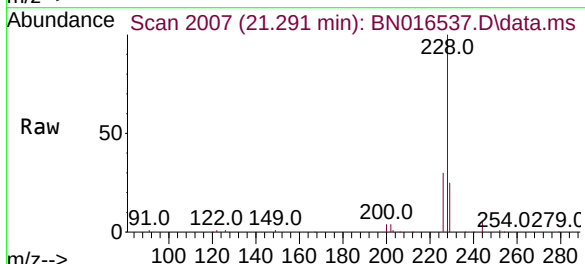
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

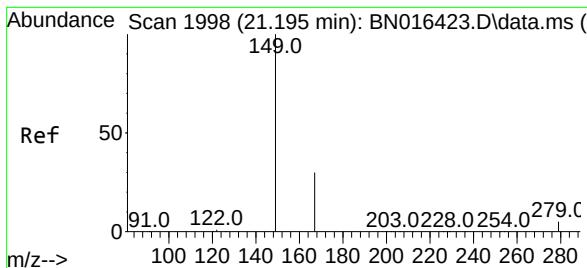
Tgt Ion:228 Resp: 734953
Ion Ratio Lower Upper
228 100
226 30.3 20.8 31.2
229 31.7 15.8 23.6#



#33
Chrysene
Concen: 3.955 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:228 Resp: 1257144
Ion Ratio Lower Upper
228 100
226 30.3 23.0 34.4
229 25.1 15.6 23.4#

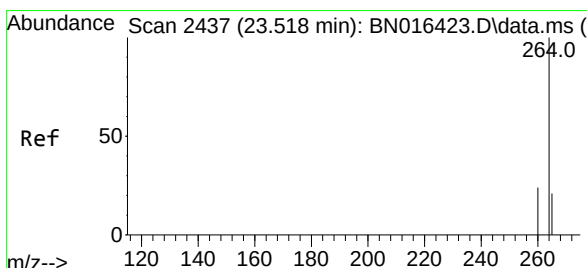
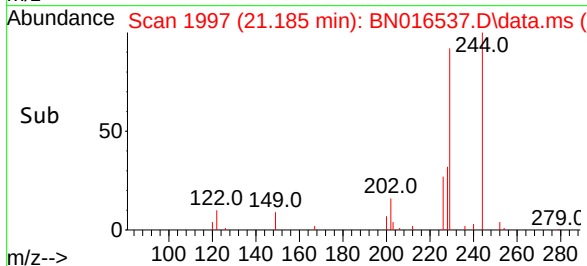
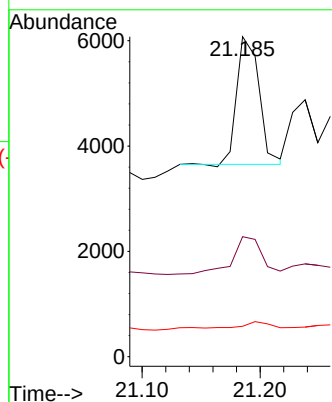
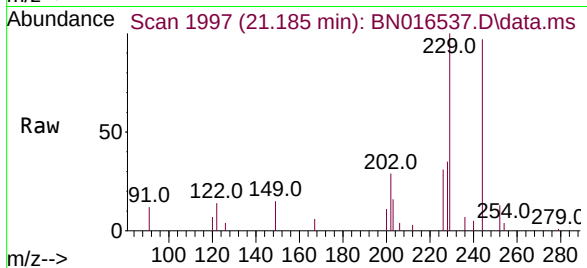




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.040 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

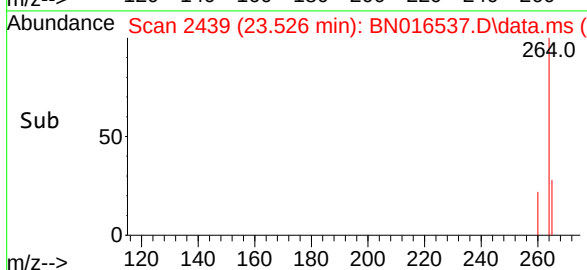
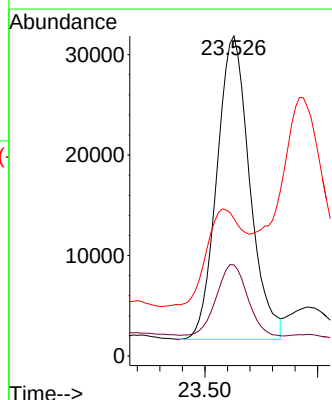
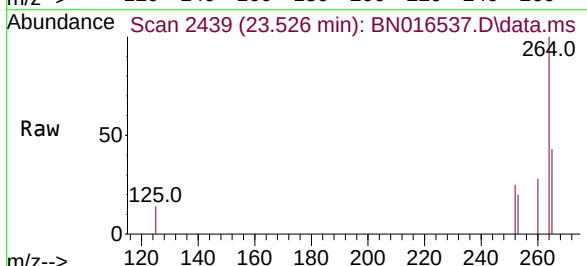
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

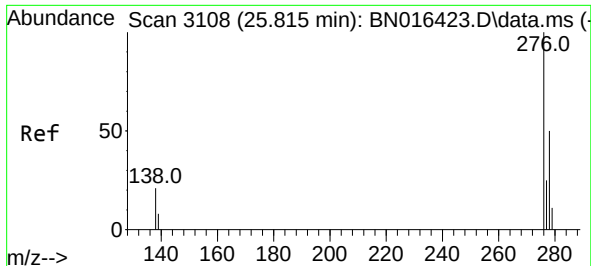
Tgt Ion:149 Resp: 3192
Ion Ratio Lower Upper
149 100
167 37.5 23.4 35.0#
279 5.2 3.9 5.9



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.526 min Scan# 2439
Delta R.T. 0.007 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:264 Resp: 61056
Ion Ratio Lower Upper
264 100
260 28.5 18.9 28.3#
265 42.9 23.7 35.5#

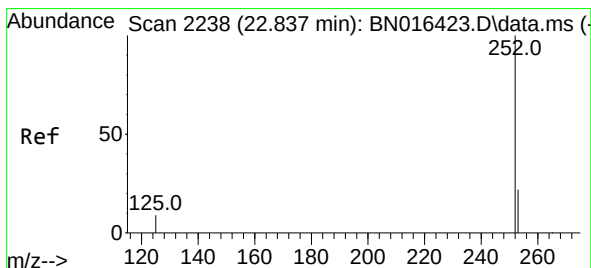
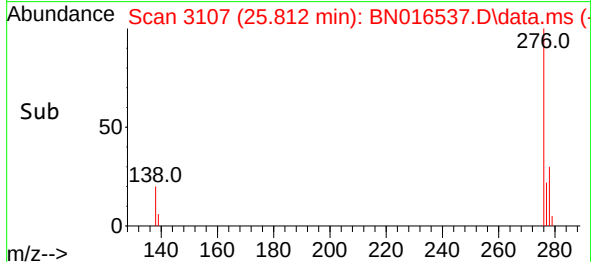
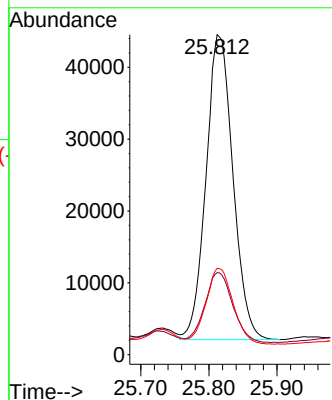
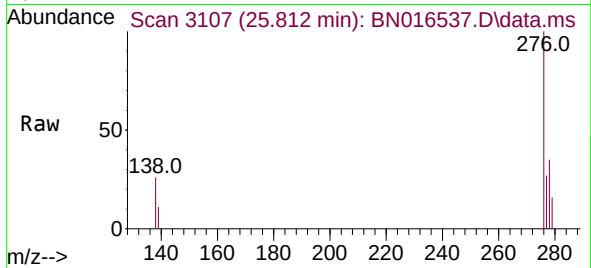




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.590 ng
RT: 25.812 min Scan# 3107
Delta R.T. -0.003 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

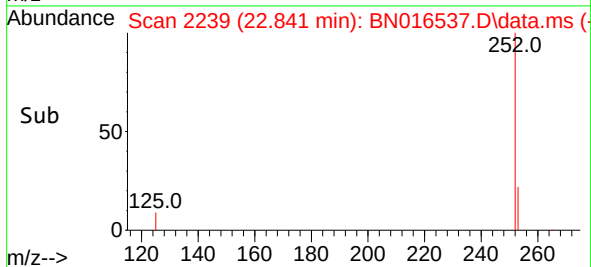
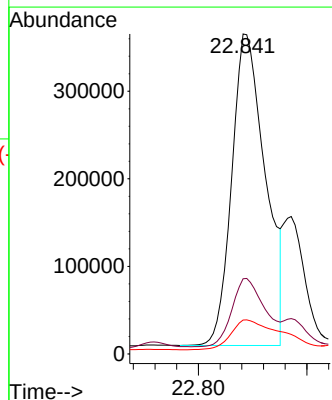
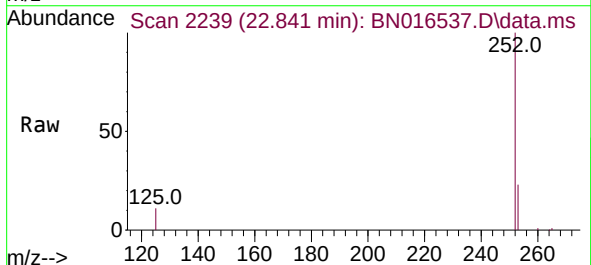
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

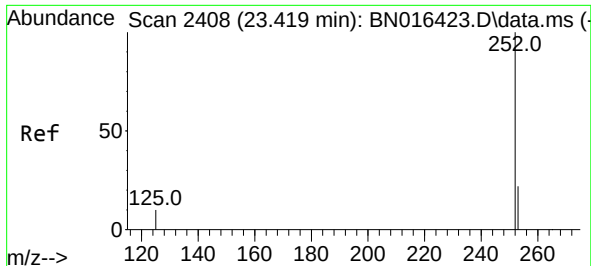
Tgt Ion:276 Resp: 116727
Ion Ratio Lower Upper
276 100
138 23.8 19.3 28.9
277 25.1 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 3.744 ng
RT: 22.841 min Scan# 2239
Delta R.T. 0.004 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Tgt Ion:252 Resp: 763778
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 10.6 8.4 12.6





#39

Benzo(a)pyrene

Concen: 2.144 ng

RT: 23.423 min Scan# 2409

Delta R.T. 0.004 min

Lab File: BN016537.D

Acq: 27 Sep 2021 08:03

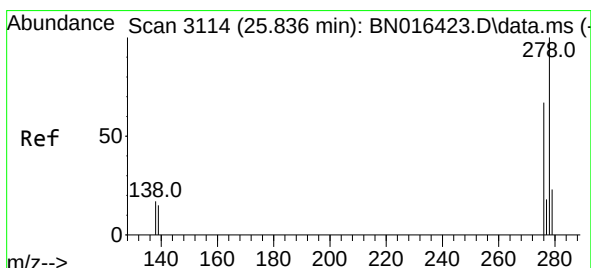
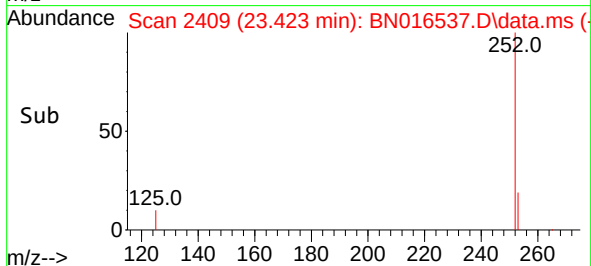
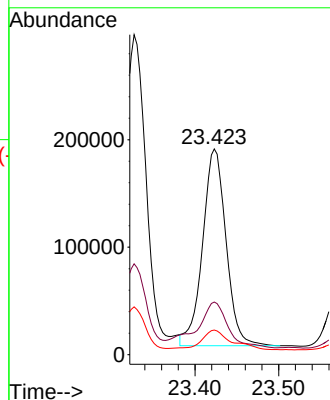
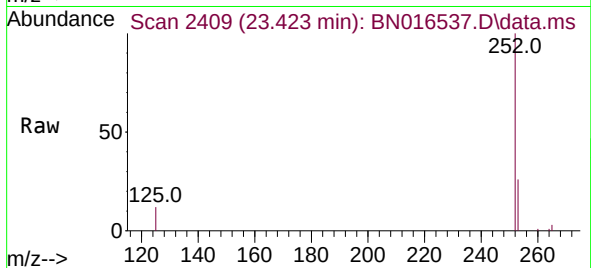
Tgt Ion:252 Resp: 356681

Ion Ratio Lower Upper

252 100

253 25.6 18.7 28.1

125 12.0 9.9 14.9



#40

Dibenzo(a,h)anthracene

Concen: 0.299 ng

RT: 25.822 min Scan# 3110

Delta R.T. -0.013 min

Lab File: BN016537.D

Acq: 27 Sep 2021 08:03

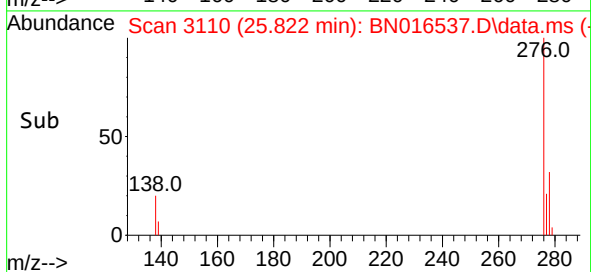
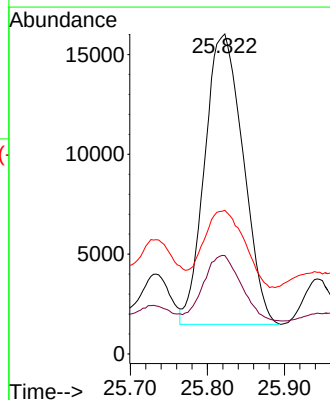
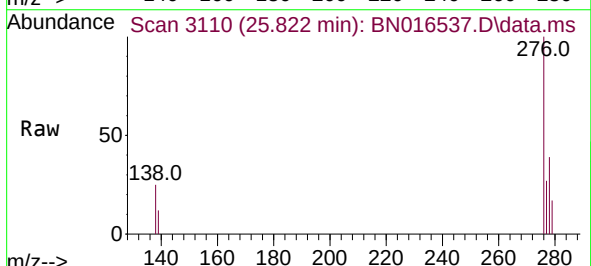
Tgt Ion:278 Resp: 50401

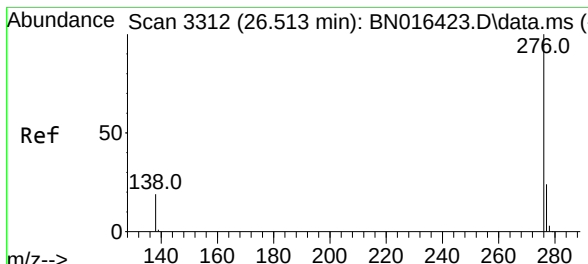
Ion Ratio Lower Upper

278 100

139 30.8 14.2 21.2#

279 44.9 21.3 31.9#





#41
Benzo(g,h,i)perylene
Concen: 0.641 ng
RT: 26.521 min Scan# 3314
Delta R.T. 0.007 min
Lab File: BN016537.D
Acq: 27 Sep 2021 08:03

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421-FD

Tgt Ion:	276	Resp:	110923
Ion Ratio	Lower	Upper	
276	100		
277	26.5	20.5	30.7
138	23.6	18.2	27.4

