

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016511.D
 Acq On : 26 Sep 2021 15:13
 Operator : CG/JU
 Sample : M3892-03
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 05:31:16 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)

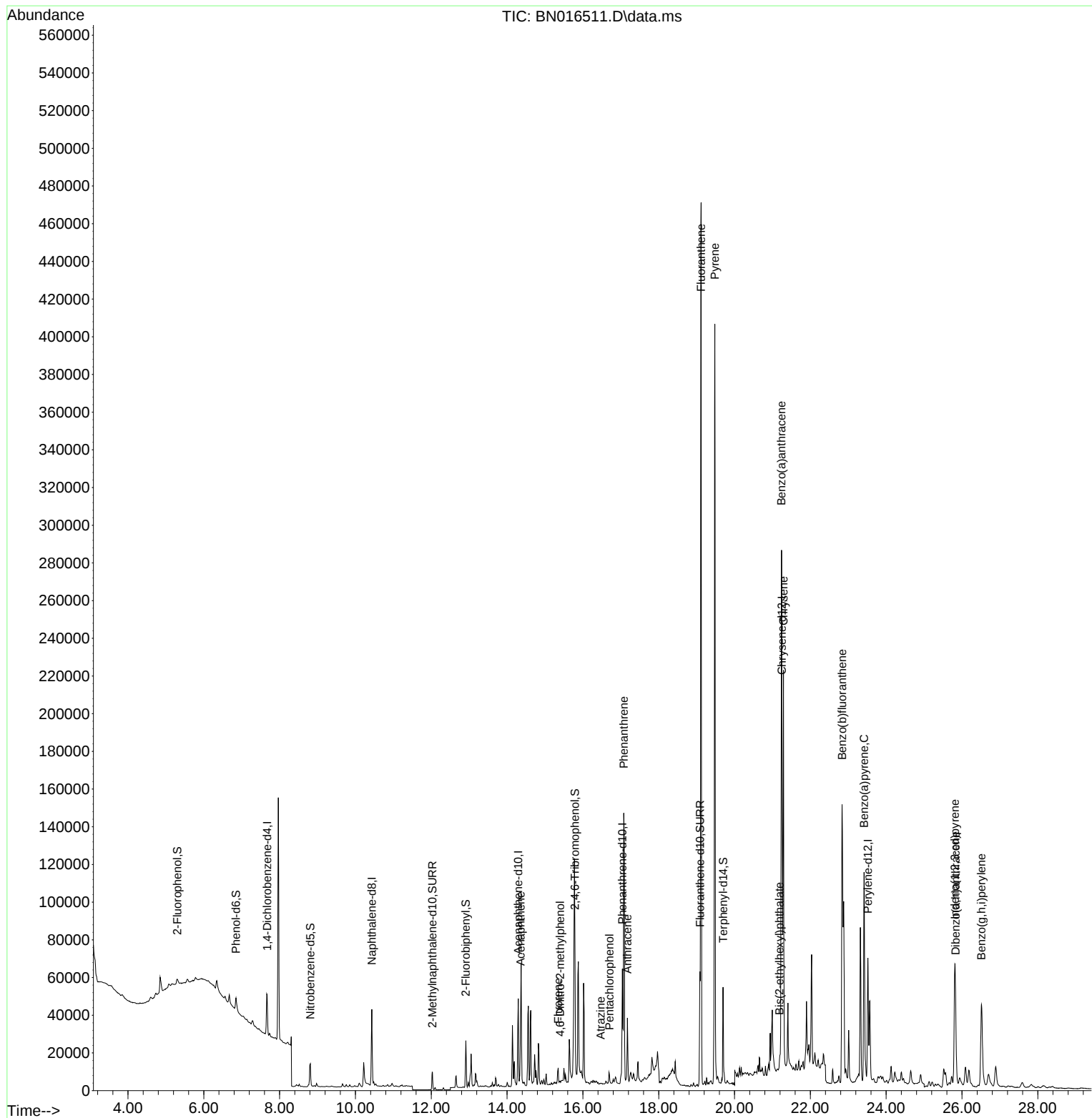
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	13590	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	50343	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	22321	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	74274	0.400	ng	0.00
29) Chrysene-d12	21.249	240	92042	0.400	ng	# 0.00
35) Perylene-d12	23.519	264	86356	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	3247	0.106	ng	0.02
5) Phenol-d6	6.849	99	5848	0.163	ng	0.00
8) Nitrobenzene-d5	8.810	82	10372	0.291	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	12623	0.169	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1607	0.318	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	20292	0.216	ng	-0.01
27) Fluoranthene-d10	19.088	212	68079	0.334	ng	0.00
31) Terphenyl-d14	19.698	244	50989	0.238	ng	0.00
Target Compounds						
						Qvalue
17) Acenaphthene	14.357	154	6653	0.103	ng	# 59
18) Fluorene	15.347	166	5389	0.070	ng	95
20) 4,6-Dinitro-2-methylph...	15.398	198	65	0.155	ng	# 1
23) Atrazine	16.470	200	99	0.137	ng	# 38
24) Pentachlorophenol	16.701	266	45	0.246	ng	# 73
25) Phenanthrene	17.078	178	164325	0.743	ng	98
26) Anthracene	17.176	178	31244	0.170	ng	95
28) Fluoranthene	19.117	202	420679	1.737	ng	99
30) Pyrene	19.480	202	365527	1.268	ng	# 93
32) Benzo(a)anthracene	21.238	228	214370	0.803	ng	98
33) Chrysene	21.291	228	191432	0.668	ng	98
34) Bis(2-ethylhexyl)phtha...	21.185	149	5388	0.074	ng	97
36) Indeno(1,2,3-cd)pyrene	25.812	276	104359	0.373	ng	97
37) Benzo(b)fluoranthene	22.837	252	241131	0.836	ng	99
39) Benzo(a)pyrene	23.416	252	161522	0.687	ng	97
40) Dibenzo(a,h)anthracene	25.832	278	29927	0.126	ng	# 89
41) Benzo(g,h,i)perylene	26.514	276	95911	0.392	ng	98

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

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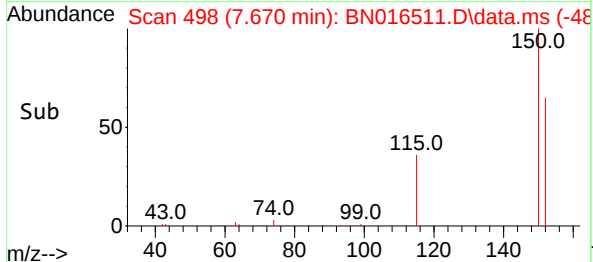
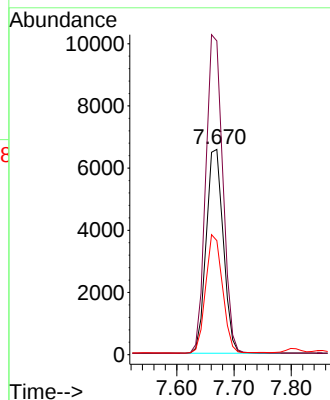
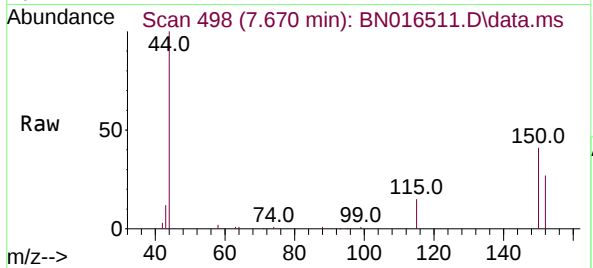




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. -0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

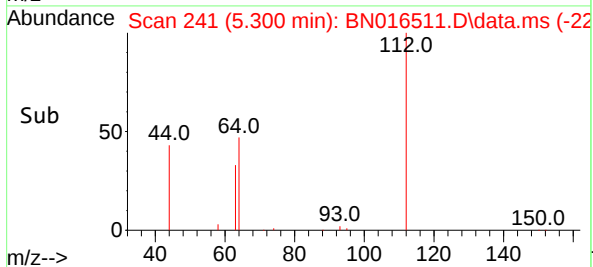
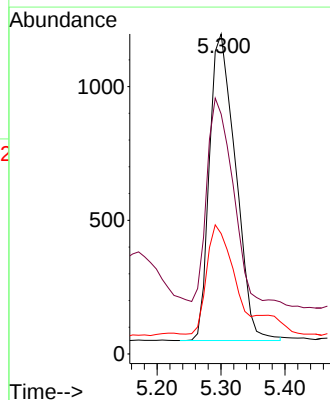
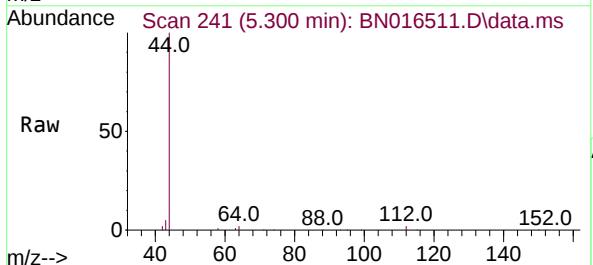
Instrument :
BNA_N
ClientSampleId :

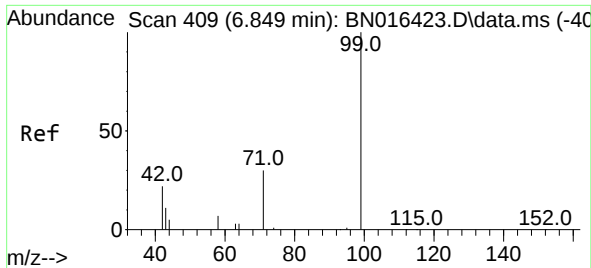
Tgt Ion:152 Resp: 13590
Ion Ratio Lower Upper
152 100
150 152.8 125.6 188.4
115 55.6 50.2 75.2



#4
2-Fluorophenol
Concen: 0.106 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.019 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:112 Resp: 3247
Ion Ratio Lower Upper
112 100
64 65.3 47.3 70.9
63 37.7 23.4 35.0#

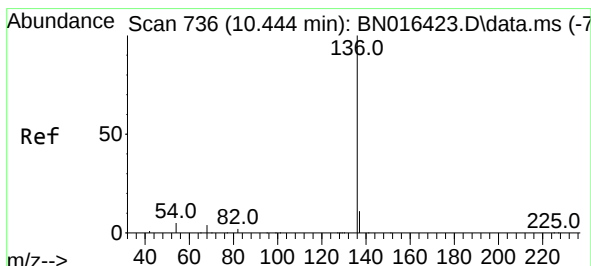
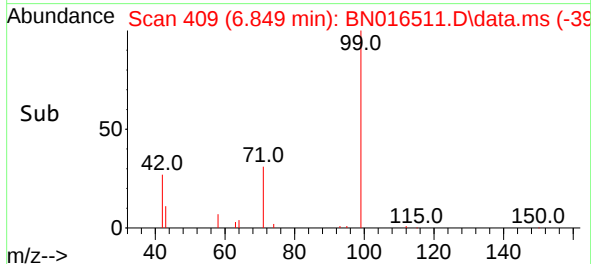
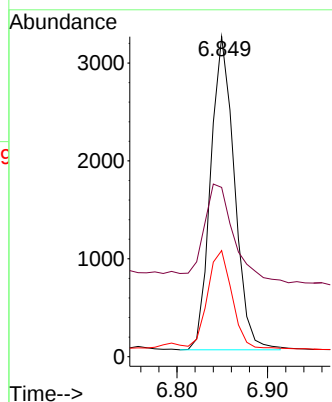
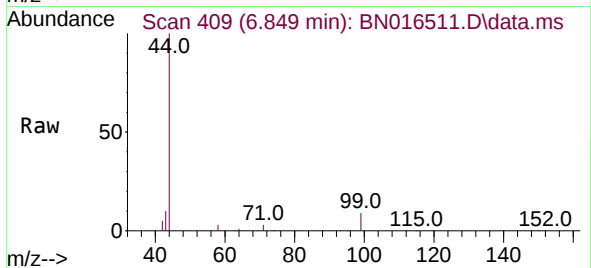




#5
Phenol-d6
Concen: 0.163 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

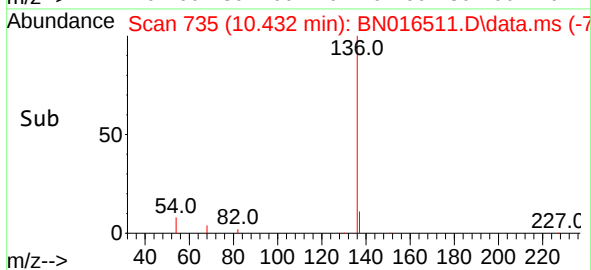
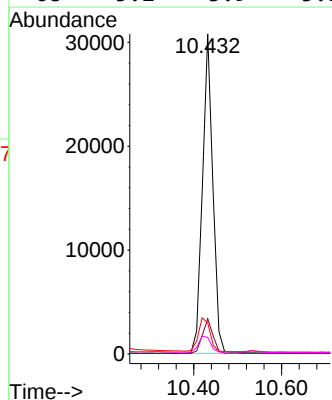
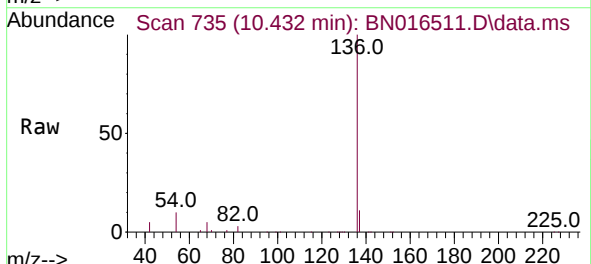
Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 5848
Ion Ratio Lower Upper
99 100
42 37.1 14.0 21.0#
71 31.7 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion: 136 Resp: 50343
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.7 5.3 7.9#
68 5.2 3.9 5.9

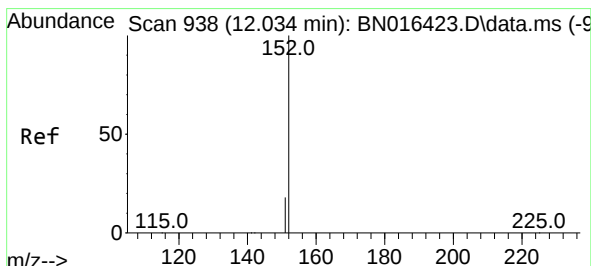
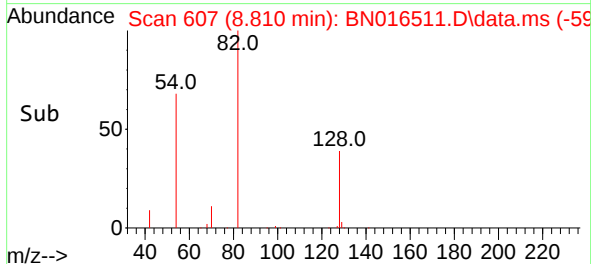
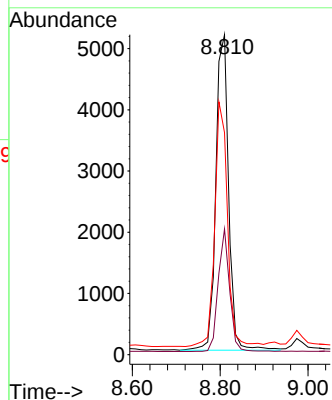
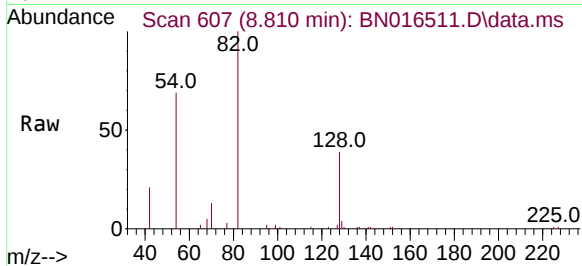




#8
Nitrobenzene-d5
Concen: 0.291 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

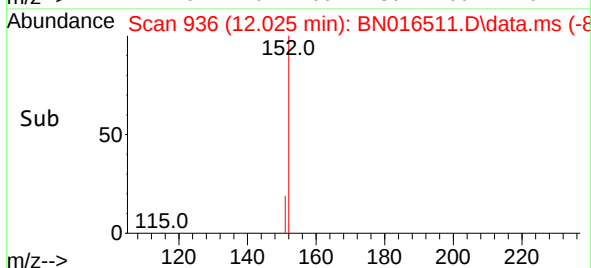
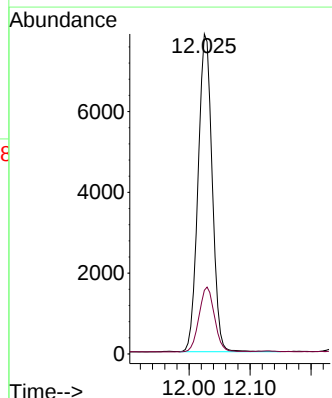
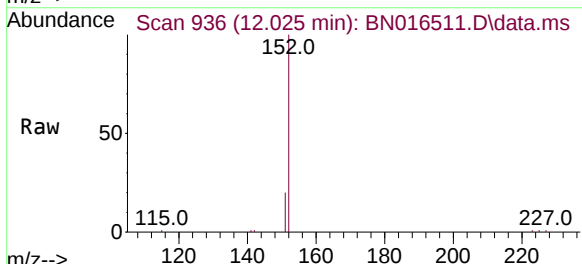
Instrument :
BNA_N
ClientSampleId :

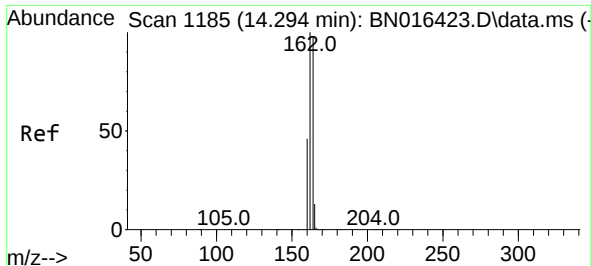
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.7	47.5
54	69.4	46.4	69.6



#11
2-Methylnaphthalene-d10
Concen: 0.169 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	16.1	24.1

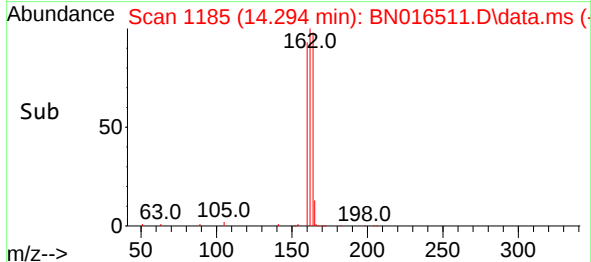
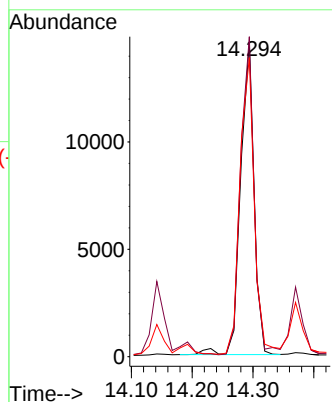
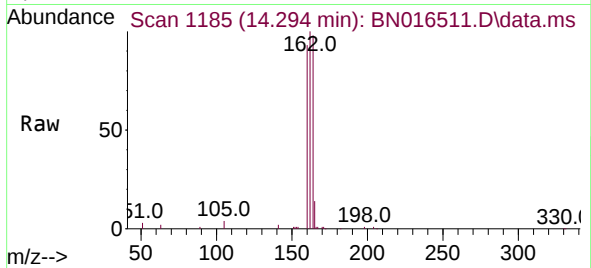




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

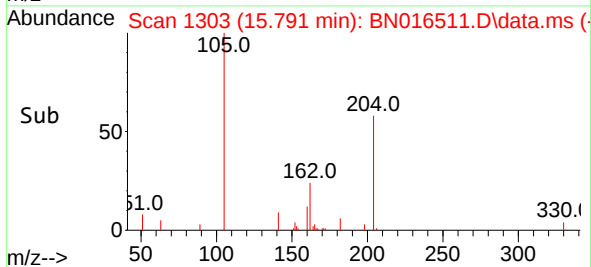
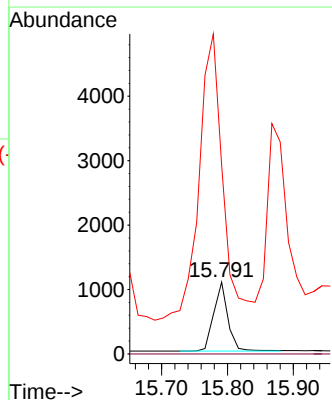
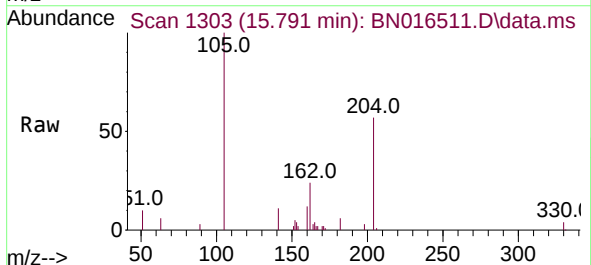
Instrument :
BNA_N
ClientSampleId :

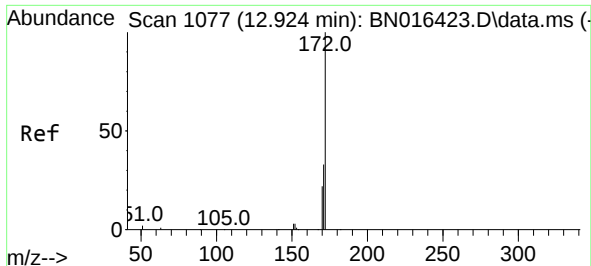
Tgt Ion:164 Resp: 22321
Ion Ratio Lower Upper
164 100
162 101.7 79.0 118.4
160 95.1 34.1 51.1#



#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:330 Resp: 1607
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 637.1 25.0 37.4#

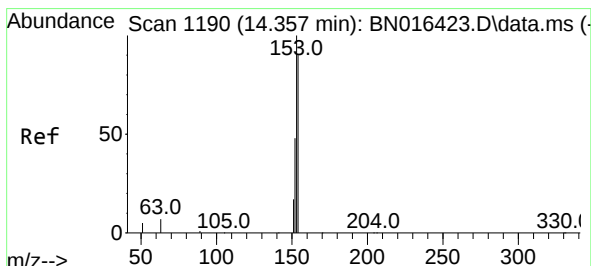
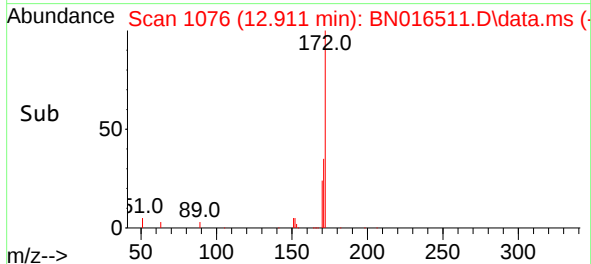
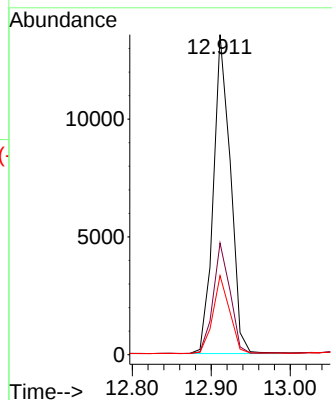
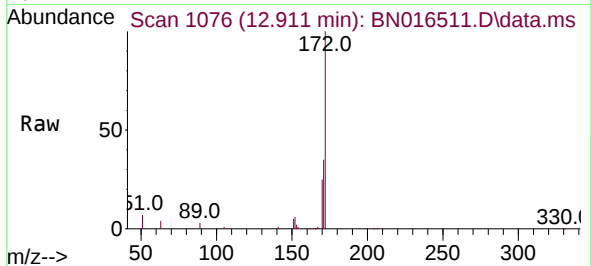




#15
2-Fluorobiphenyl
Concen: 0.216 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.013 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

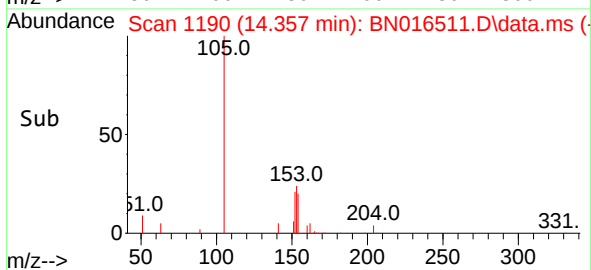
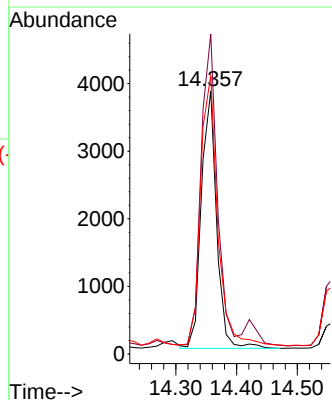
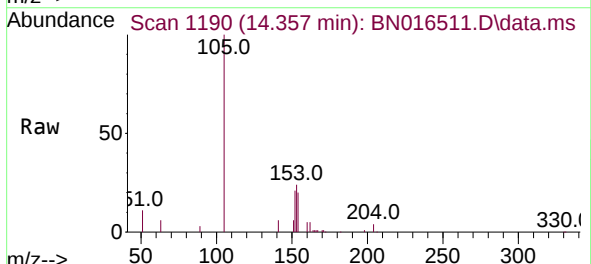
Instrument :
BNA_N
ClientSampleId :

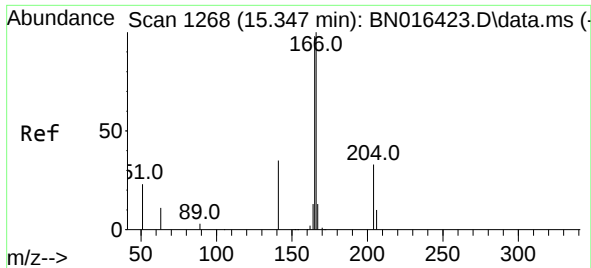
Tgt Ion:172	Resp:	20292
Ion Ratio	Lower	Upper
172	100	
171	34.9	27.8 41.6
170	24.7	18.2 27.2



#17
Acenaphthene
Concen: 0.103 ng
RT: 14.357 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:154	Resp:	6653
Ion Ratio	Lower	Upper
154	100	
153	128.8	89.3 133.9
152	118.1	42.2 63.4

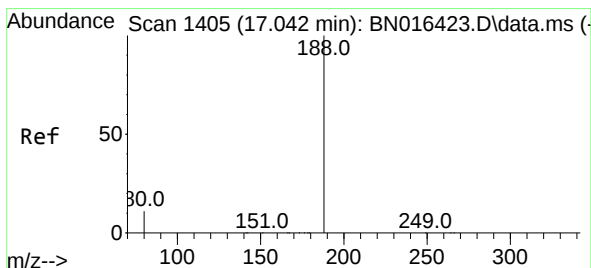
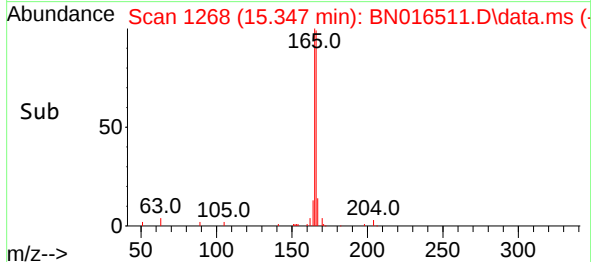
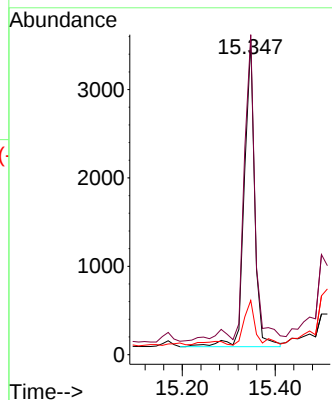
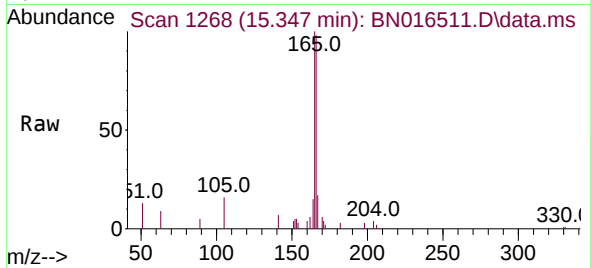




#18
Fluorene
Concen: 0.070 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

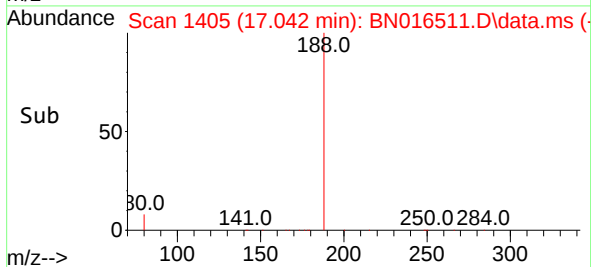
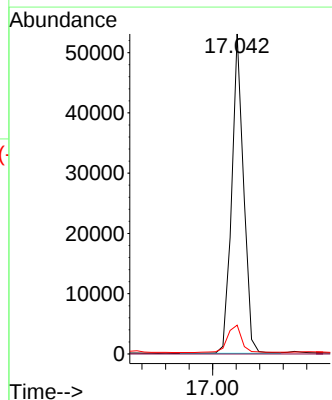
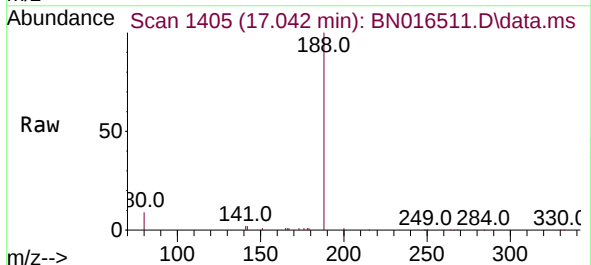
Instrument :
BNA_N
ClientSampleId :

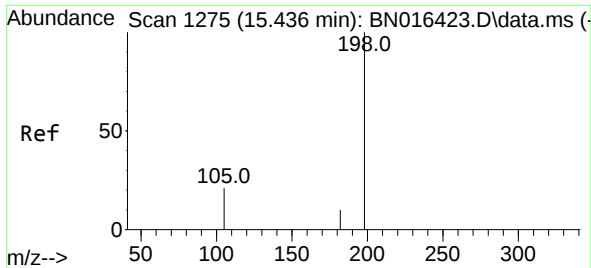
Tgt Ion:166 Resp: 5389
Ion Ratio Lower Upper
166 100
165 100.1 76.7 115.1
167 16.2 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:188 Resp: 74274
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 7.0 10.6

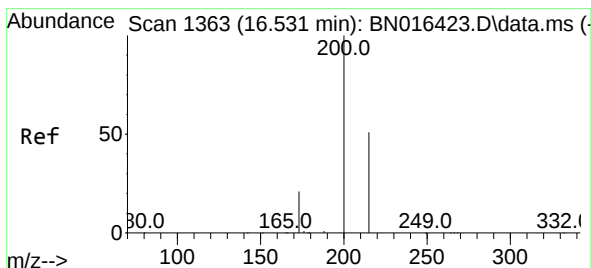
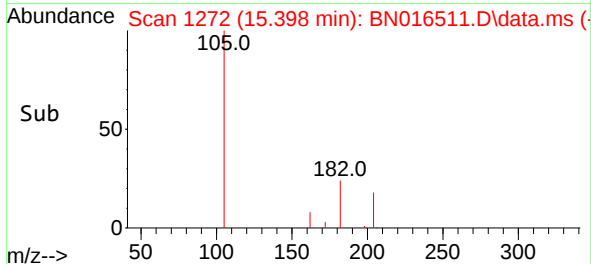
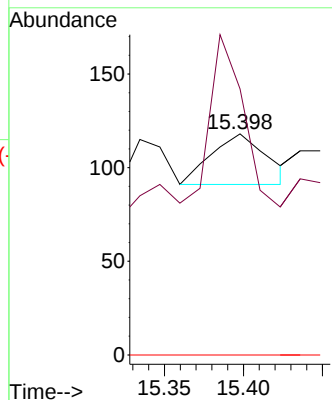
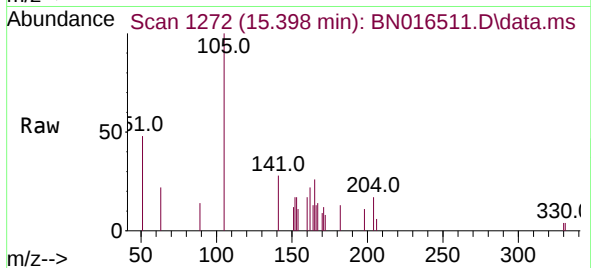




#20
4,6-Dinitro-2-methylphenol
Concen: 0.155 ng
RT: 15.398 min Scan# 1272
Delta R.T. -0.038 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

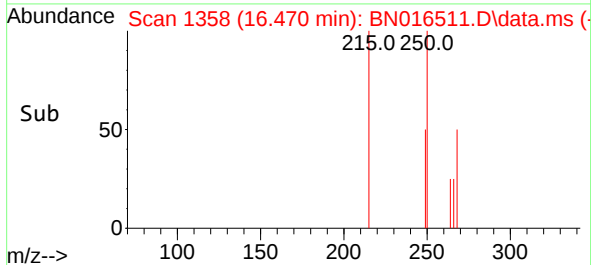
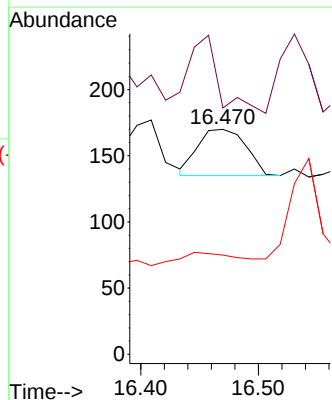
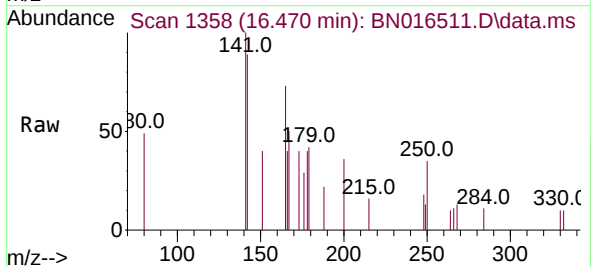
Instrument :
BNA_N
ClientSampleId :

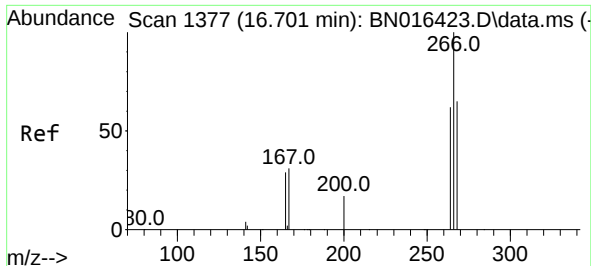
Tgt Ion:198 Resp: 65
Ion Ratio Lower Upper
198 100
182 120.3 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.137 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.061 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:200 Resp: 99
Ion Ratio Lower Upper
200 100
173 109.4 18.7 28.1#
215 44.1 41.6 62.4

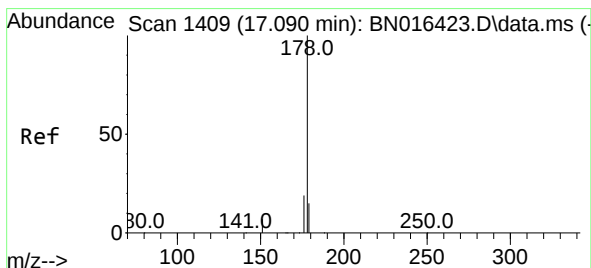
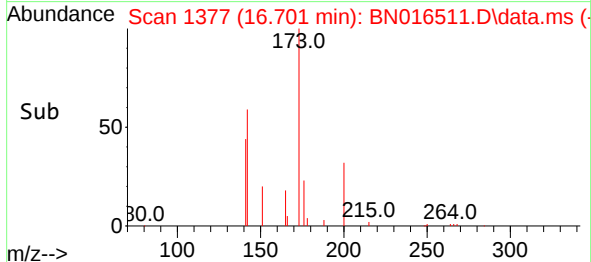
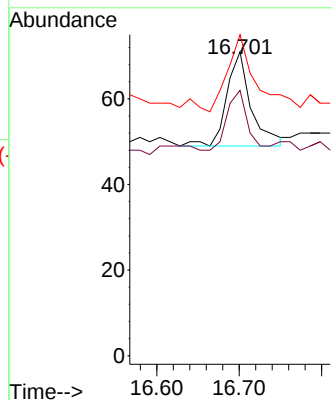
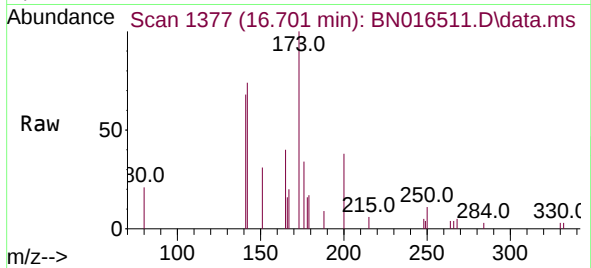




#24
Pentachlorophenol
Concen: 0.246 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

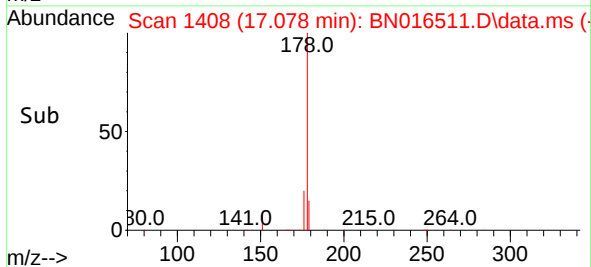
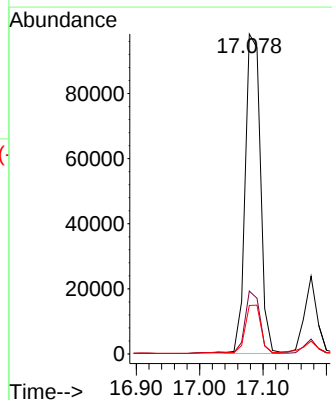
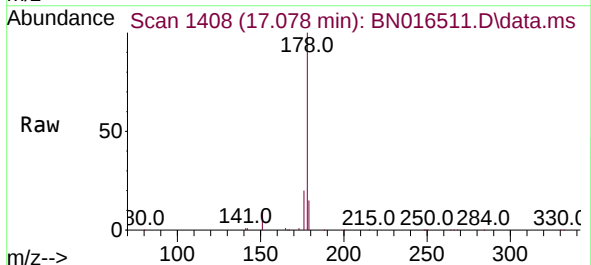
Instrument :
BNA_N
ClientSampleId :

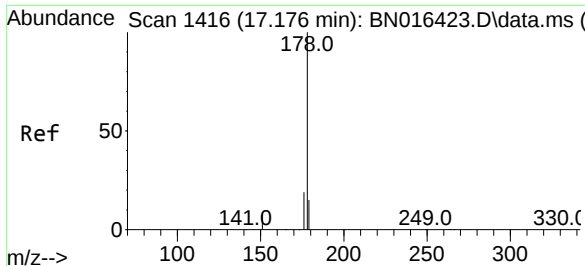
Tgt Ion:266	Resp:	45
Ion Ratio	Lower	Upper
266	100	
264	53.3	50.6 75.8
268	97.8	52.6 79.0#



#25
Phenanthrene
Concen: 0.743 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

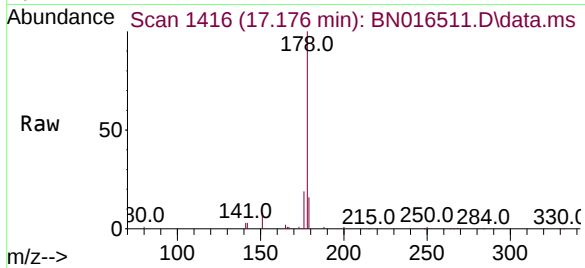
Tgt Ion:178	Resp:	164325
Ion Ratio	Lower	Upper
178	100	
176	18.7	14.4 21.6
179	16.0	12.2 18.4





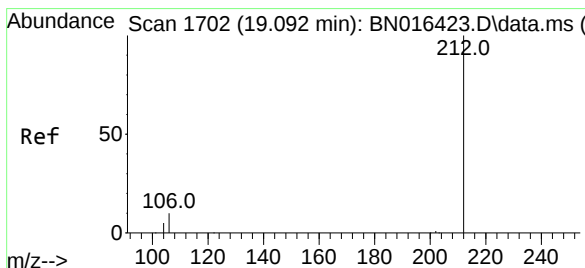
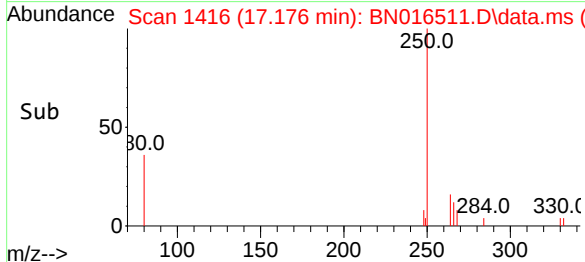
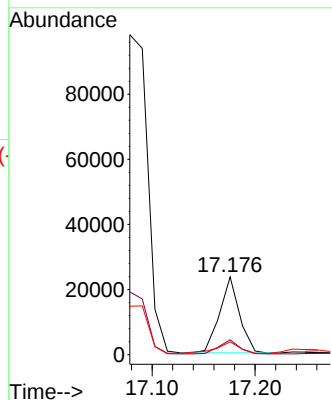
#26
 Anthracene
 Concen: 0.170 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. 0.000 min
 Lab File: BN016511.D
 Acq: 26 Sep 2021 15:13

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:178 Resp: 31244

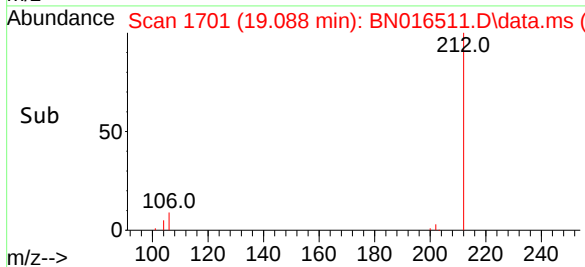
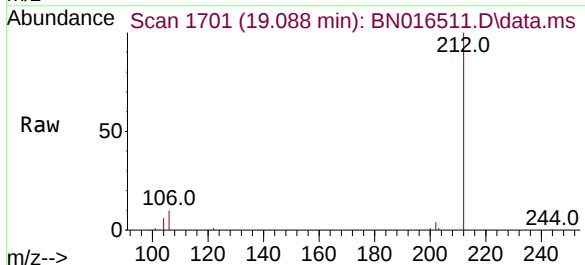
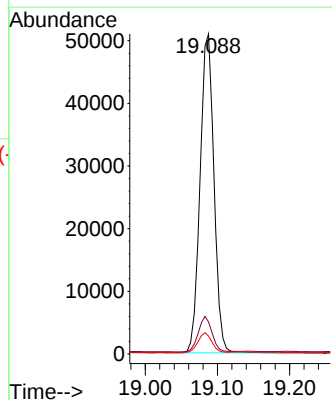
Ion	Ratio	Lower	Upper
178	100		
176	18.8	13.9	20.9
179	18.1	12.2	18.4

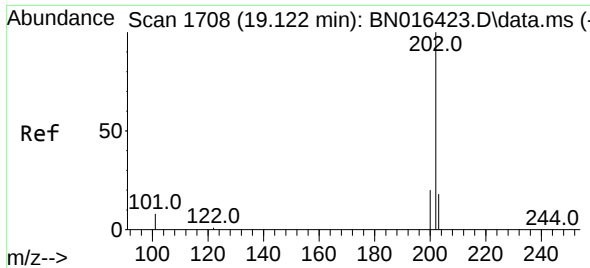


#27
 Fluoranthene-d10
 Concen: 0.334 ng
 RT: 19.088 min Scan# 1701
 Delta R.T. -0.005 min
 Lab File: BN016511.D
 Acq: 26 Sep 2021 15:13

Tgt Ion:212 Resp: 68079

Ion	Ratio	Lower	Upper
212	100		
106	10.9	9.8	14.6
104	6.1	5.4	8.2

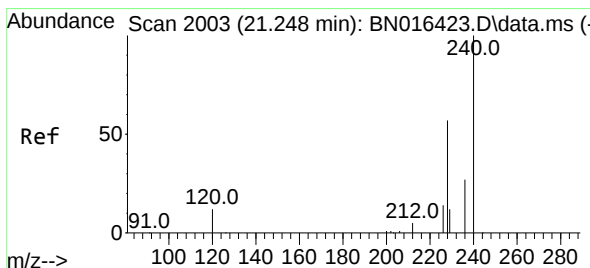
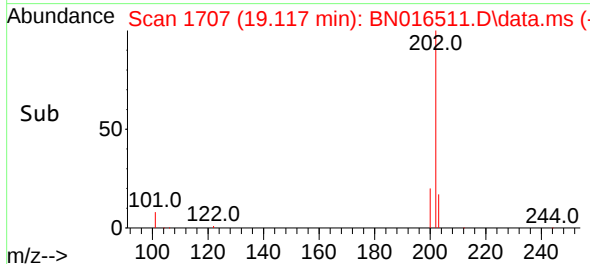
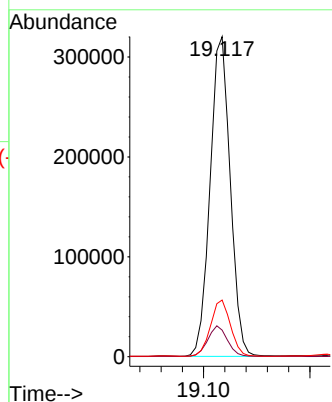
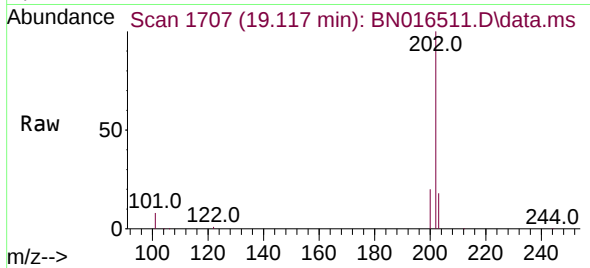




#28
Fluoranthene
Concen: 1.737 ng
RT: 19.117 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

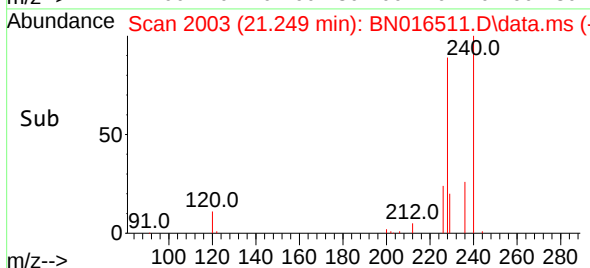
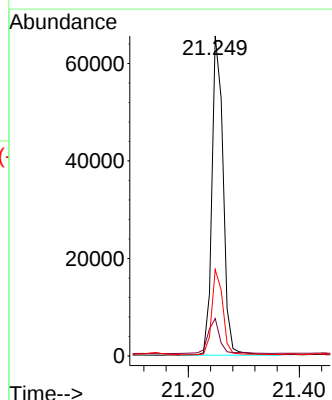
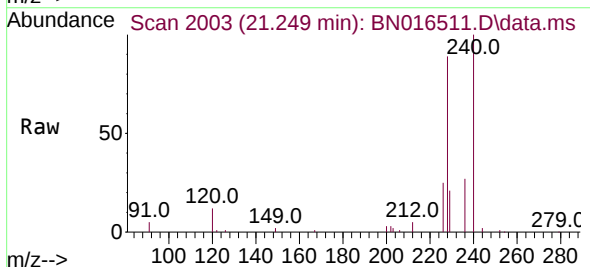
Instrument :
BNA_N
ClientSampleId :

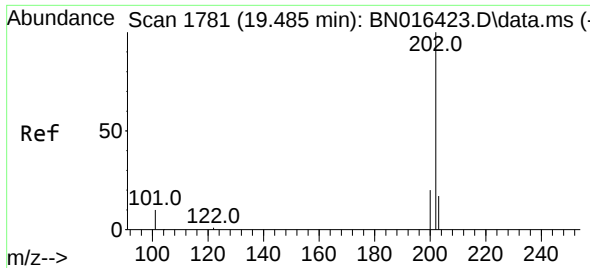
Tgt Ion:202 Resp: 420679
Ion Ratio Lower Upper
202 100
101 9.3 8.5 12.7
203 17.4 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:240 Resp: 92042
Ion Ratio Lower Upper
240 100
120 11.7 5.3 7.9#
236 27.0 19.8 29.8

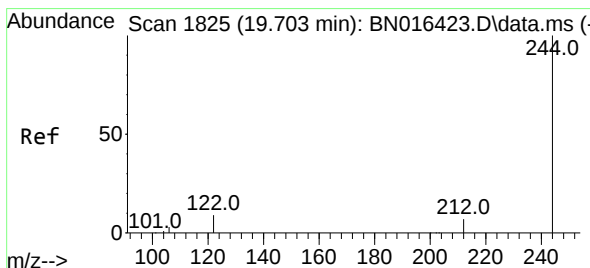
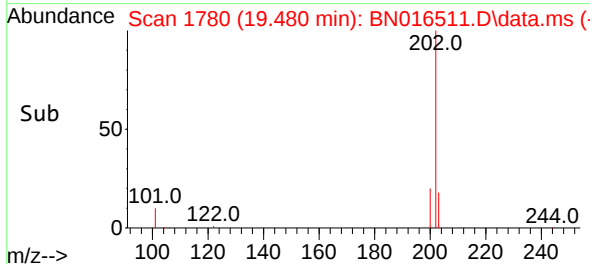
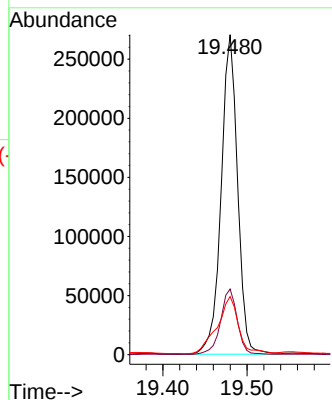
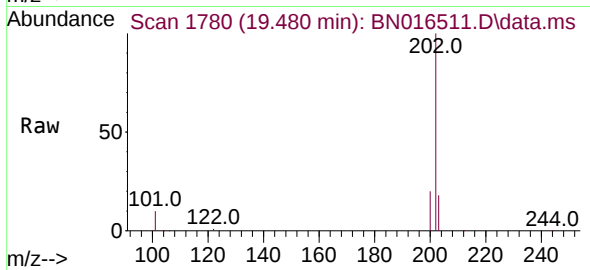




#30
Pyrene
Concen: 1.268 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

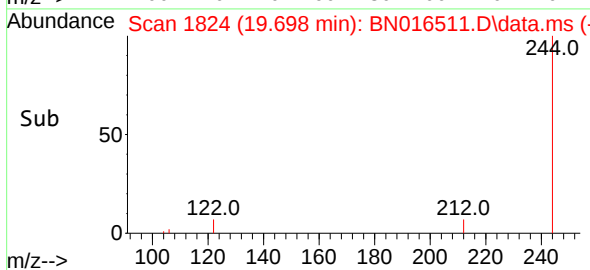
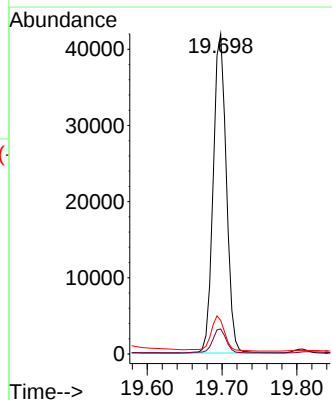
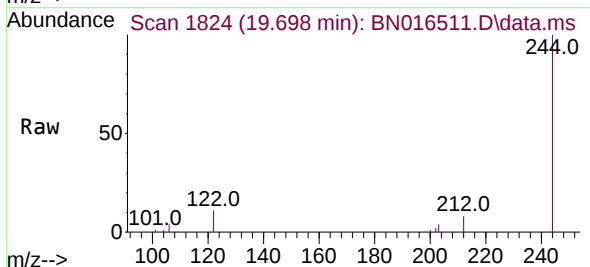
Instrument :
BNA_N
ClientSampleId :

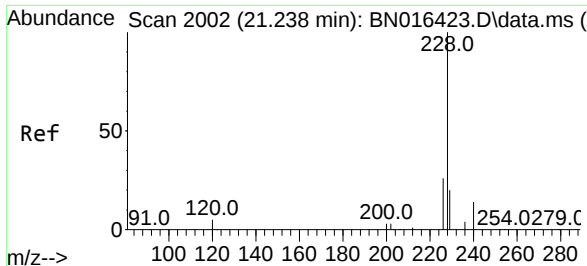
Tgt Ion:202 Resp: 365527
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.6
203 23.2 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.238 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:244 Resp: 50989
Ion Ratio Lower Upper
244 100
212 7.8 5.5 8.3
122 10.5 9.0 13.4

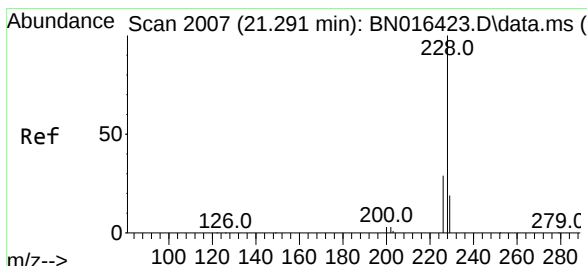
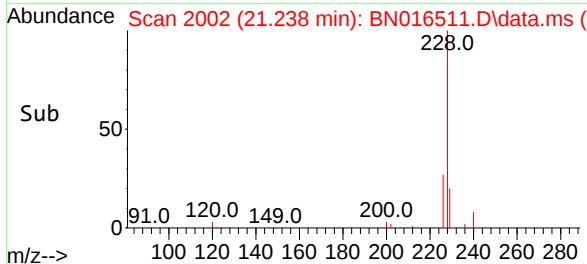
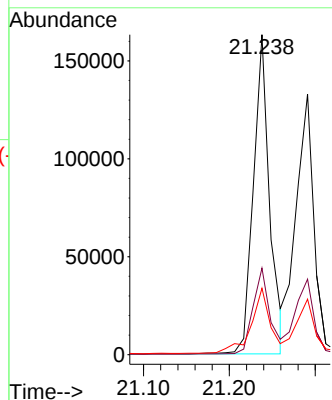
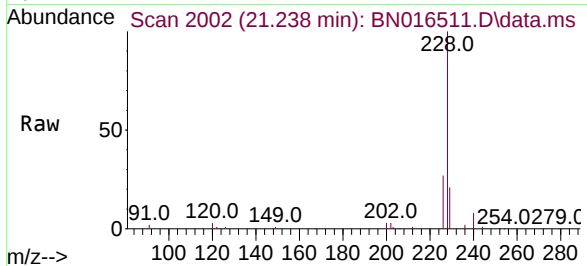




#32
Benzo(a)anthracene
Concen: 0.803 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

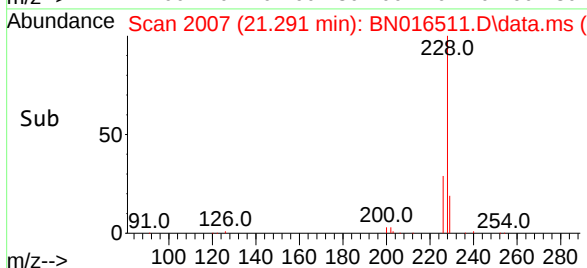
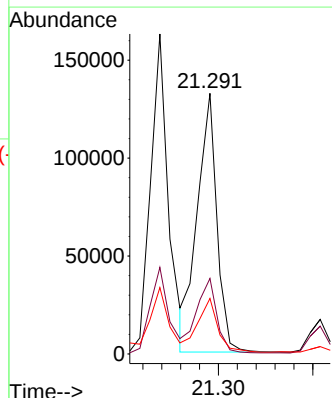
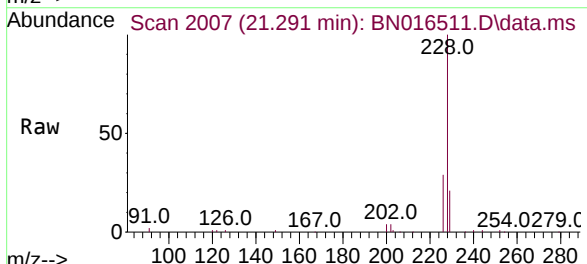
Instrument :
BNA_N
ClientSampleId :

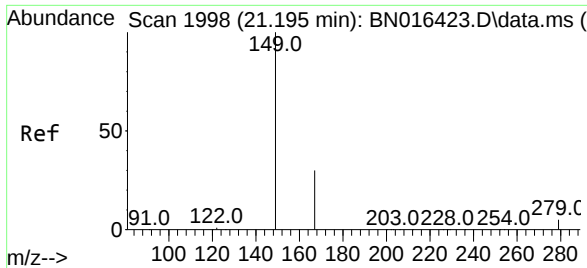
Tgt Ion:228 Resp: 214370
Ion Ratio Lower Upper
228 100
226 27.0 20.8 31.2
229 20.8 15.8 23.6



#33
Chrysene
Concen: 0.668 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:228 Resp: 191432
Ion Ratio Lower Upper
228 100
226 29.0 23.0 34.4
229 21.3 15.6 23.4

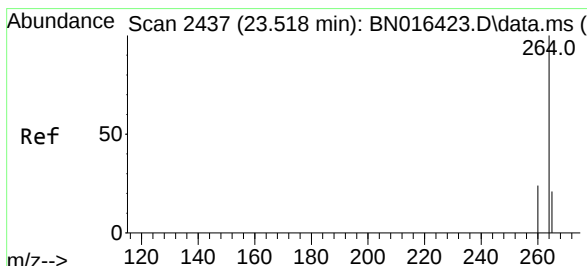
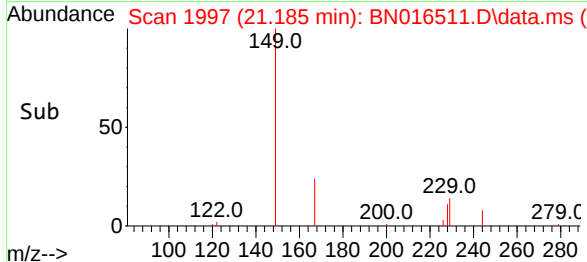
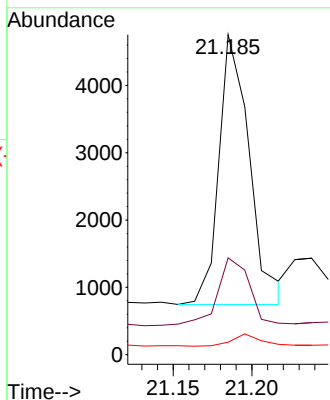
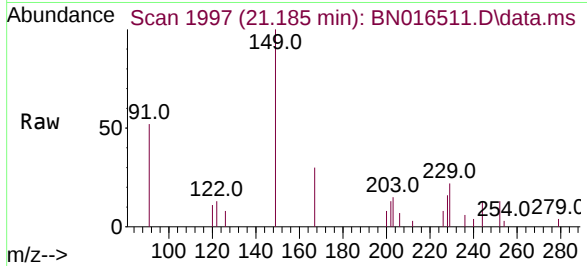




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.074 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.011 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

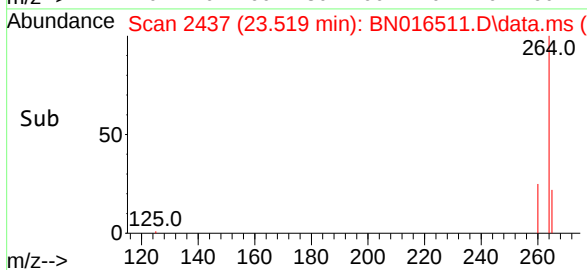
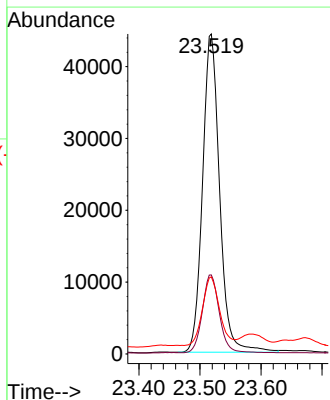
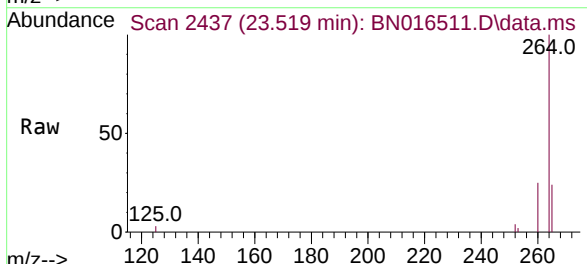
Instrument :
BNA_N
ClientSampleId :

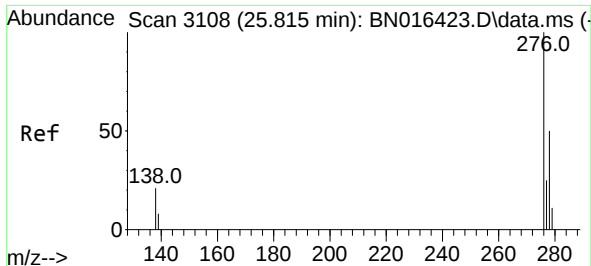
Tgt Ion:149 Resp: 5388
Ion Ratio Lower Upper
149 100
167 27.2 23.4 35.0
279 4.5 3.9 5.9



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.519 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:264 Resp: 86356
Ion Ratio Lower Upper
264 100
260 24.7 18.9 28.3
265 24.1 23.7 35.5

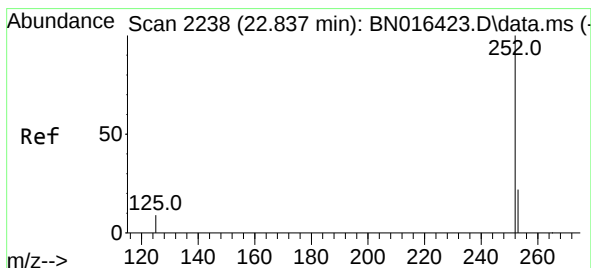
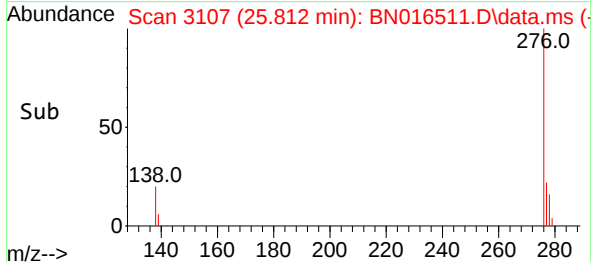
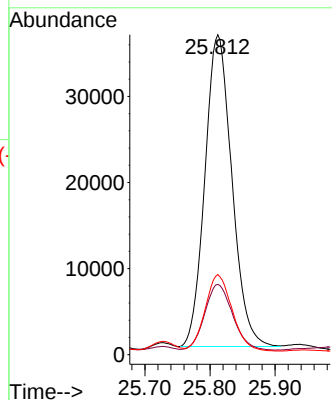
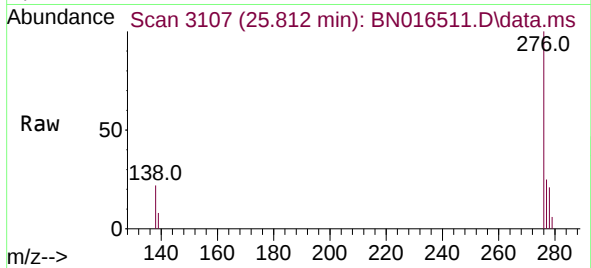




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 25.812 min Scan# 3107
Delta R.T. -0.003 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

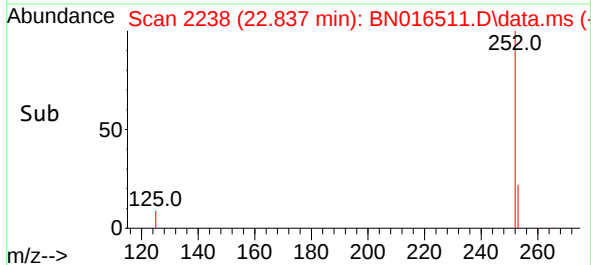
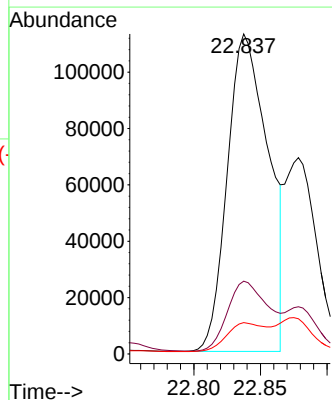
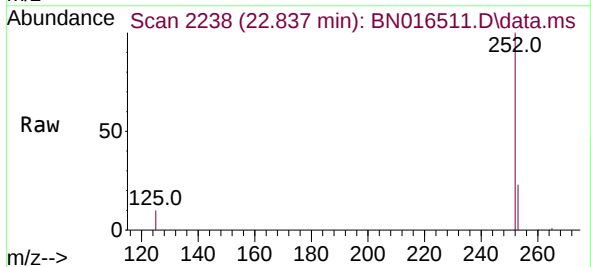
Instrument :
BNA_N
ClientSampleId :

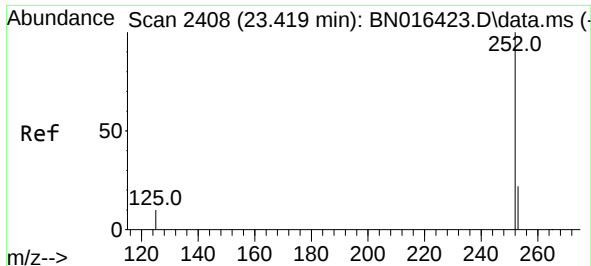
Tgt Ion:276 Resp: 104359
Ion Ratio Lower Upper
276 100
138 21.7 19.3 28.9
277 24.5 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 0.836 ng
RT: 22.837 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Tgt Ion:252 Resp: 241131
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 9.8 8.4 12.6





#39

Benzo(a)pyrene

Concen: 0.687 ng

RT: 23.416 min Scan# 2407

Delta R.T. -0.003 min

Lab File: BN016511.D

Acq: 26 Sep 2021 15:13

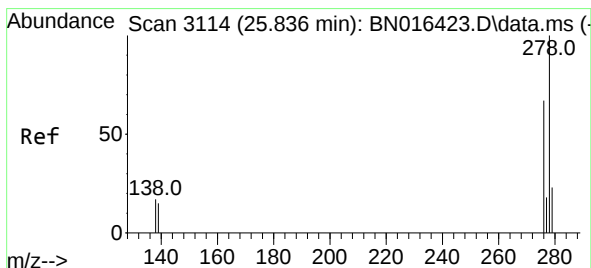
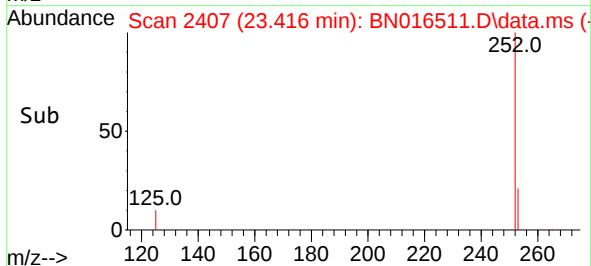
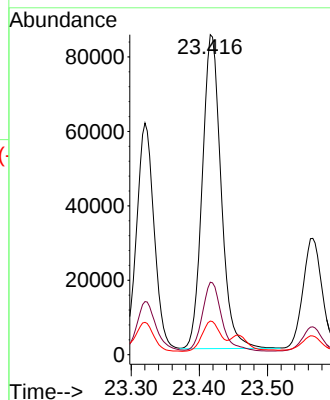
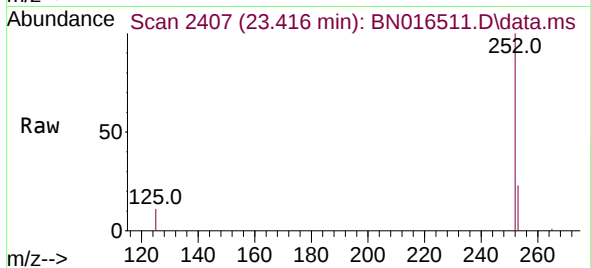
Tgt Ion:252 Resp: 161522

Ion Ratio Lower Upper

252 100

253 22.7 18.7 28.1

125 10.5 9.9 14.9



#40

Dibenzo(a,h)anthracene

Concen: 0.126 ng

RT: 25.832 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BN016511.D

Acq: 26 Sep 2021 15:13

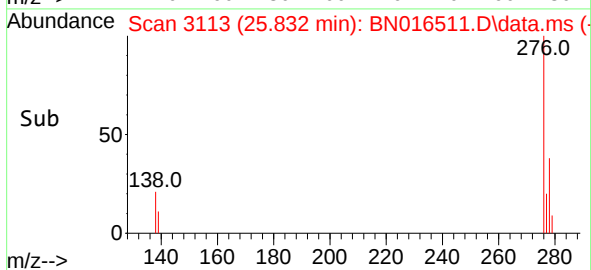
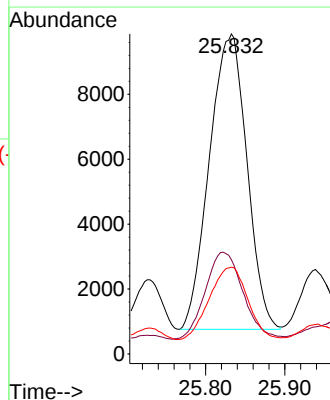
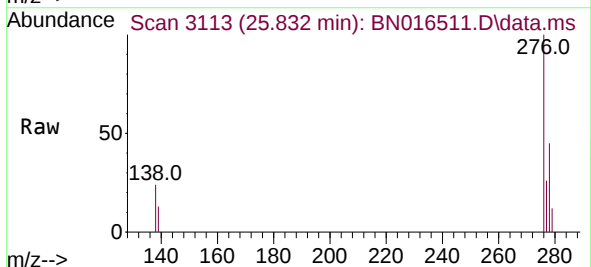
Tgt Ion:278 Resp: 29927

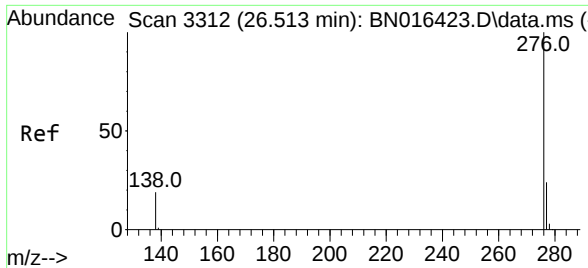
Ion Ratio Lower Upper

278 100

139 29.4 14.2 21.2#

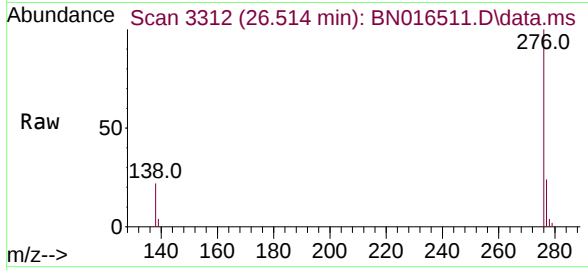
279 27.1 21.3 31.9





#41
Benzo(g,h,i)perylene
Concen: 0.392 ng
RT: 26.514 min Scan# 3312
Delta R.T. 0.000 min
Lab File: BN016511.D
Acq: 26 Sep 2021 15:13

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:	276	Resp:	95911
Ion Ratio	Lower	Upper	
276	100		
277	24.4	20.5	30.7
138	22.0	18.2	27.4

