

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016510.D
 Acq On : 26 Sep 2021 14:37
 Operator : CG/JU
 Sample : M3892-12
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 05:31:07 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)

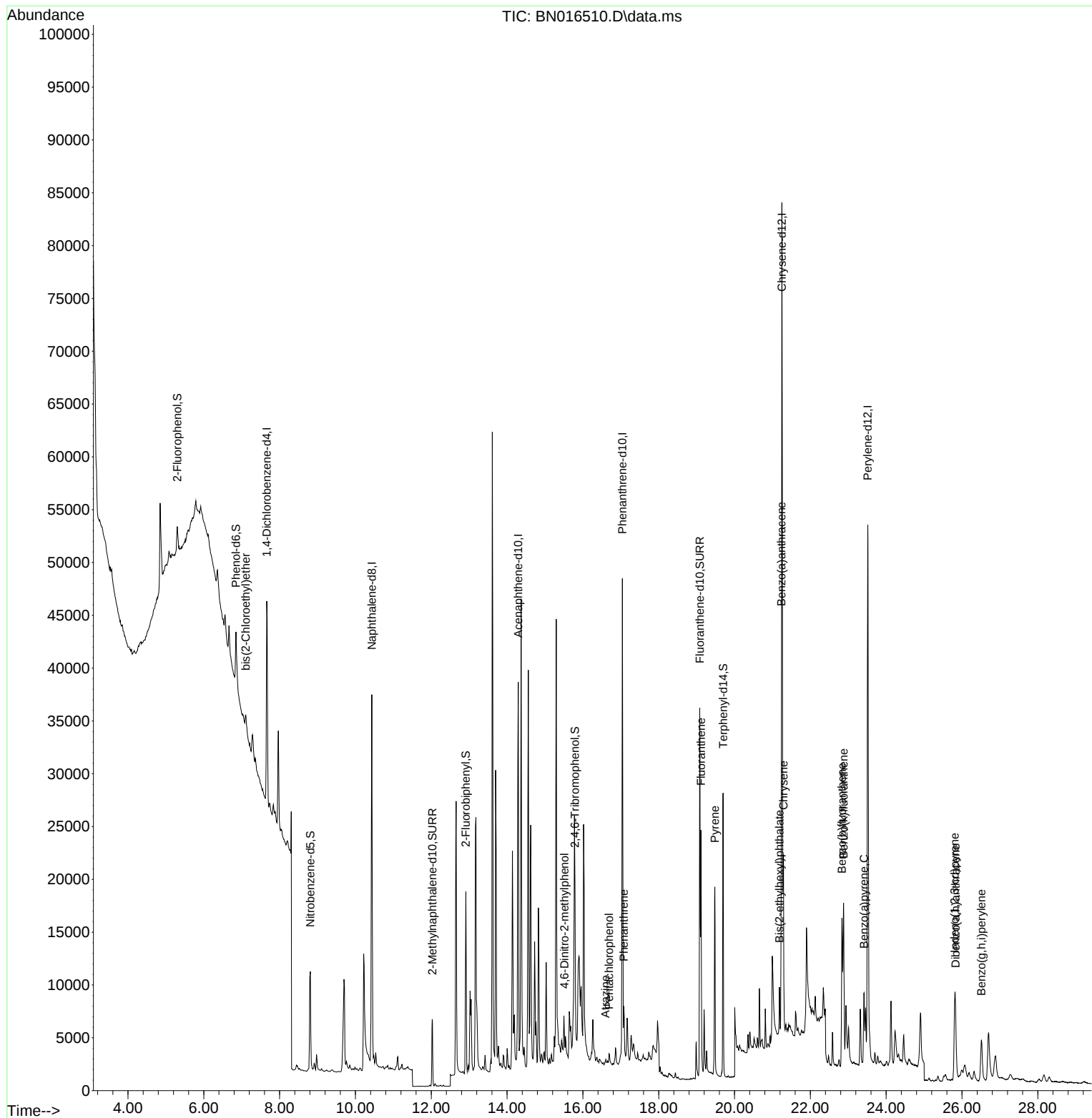
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	11678	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	44343	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	17905	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	56582	0.400	ng	0.00
29) Chrysene-d12	21.248	240	70704	0.400	ng	# 0.00
35) Perylene-d12	23.515	264	69313	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	2497	0.095	ng	0.02
5) Phenol-d6	6.849	99	4233	0.137	ng	0.00
8) Nitrobenzene-d5	8.810	82	7942	0.253	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	8339	0.127	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1085	0.287	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	14019	0.186	ng	-0.01
27) Fluoranthene-d10	19.083	212	39800	0.256	ng	0.00
31) Terphenyl-d14	19.698	244	27152	0.165	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.107	93	2315	0.074	ng	# 26
20) 4,6-Dinitro-2-methylph...	15.512	198	592	0.238	ng	97
23) Atrazine	16.591	200	64	0.137	ng	# 11
24) Pentachlorophenol	16.689	266	50	0.247	ng	92
25) Phenanthrene	17.078	178	5870	0.035	ng	# 88
28) Fluoranthene	19.112	202	21145	0.115	ng	98
30) Pyrene	19.480	202	16778	0.076	ng	96
32) Benzo(a)anthracene	21.238	228	14477	0.071	ng	95
33) Chrysene	21.291	228	16145	0.073	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	4012	0.072	ng	96
36) Indeno(1,2,3-cd)pyrene	25.808	276	11399	0.051	ng	# 89
37) Benzo(b)fluoranthene	22.834	252	20646	0.089	ng	# 95
38) Benzo(k)fluoranthene	22.875	252	13070	0.058	ng	# 51
39) Benzo(a)pyrene	23.416	252	11326	0.060	ng	# 89
40) Dibenzo(a,h)anthracene	25.832	278	5610	0.029	ng	# 49
41) Benzo(g,h,i)perylene	26.514	276	8605	0.044	ng	94

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

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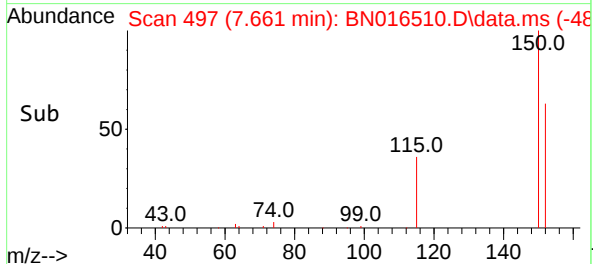
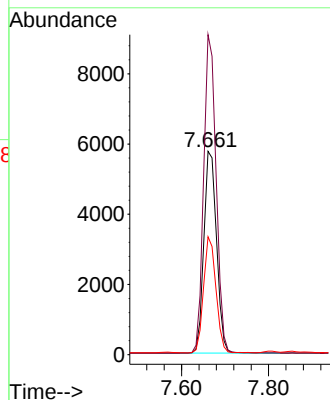
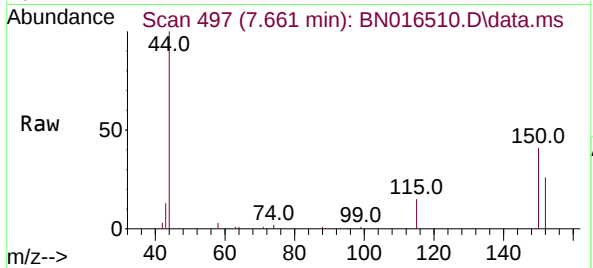




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.661 min Scan# 497
 Delta R.T. -0.009 min
 Lab File: BN016510.D
 Acq: 26 Sep 2021 14:37

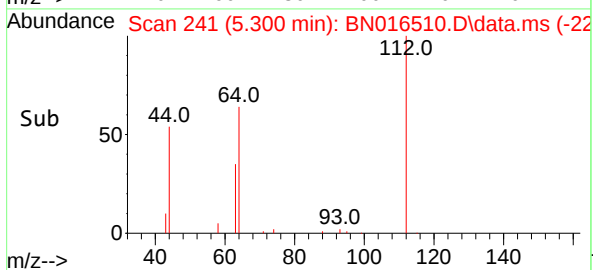
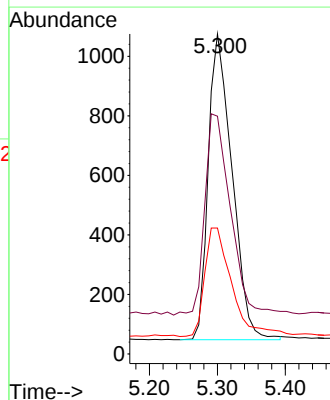
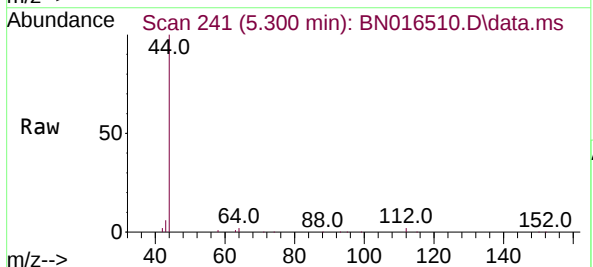
Instrument :
 BNA_N
 ClientSampled :

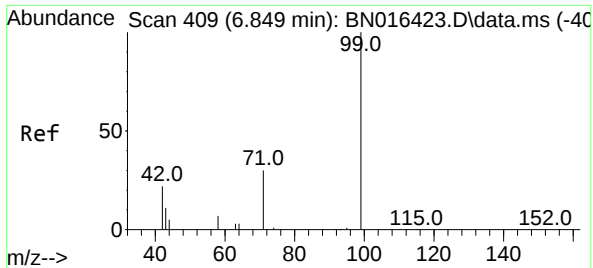
Tgt Ion:152 Resp: 11678
 Ion Ratio Lower Upper
 152 100
 150 157.4 125.6 188.4
 115 58.0 50.2 75.2



#4
 2-Fluorophenol
 Concen: 0.095 ng
 RT: 5.300 min Scan# 241
 Delta R.T. 0.018 min
 Lab File: BN016510.D
 Acq: 26 Sep 2021 14:37

Tgt Ion:112 Resp: 2497
 Ion Ratio Lower Upper
 112 100
 64 70.7 47.3 70.9
 63 40.2 23.4 35.0#

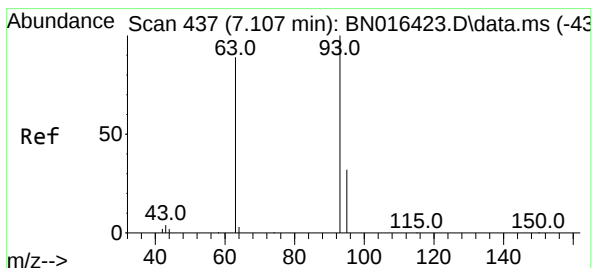
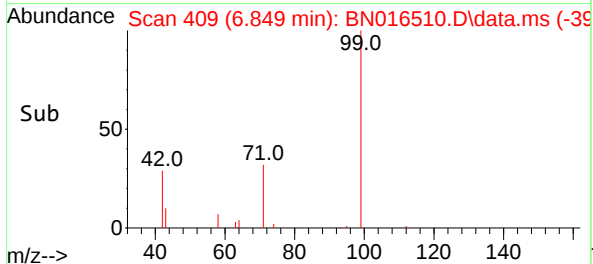
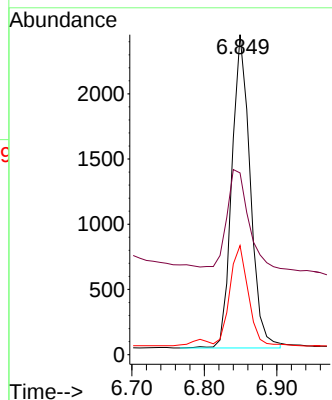
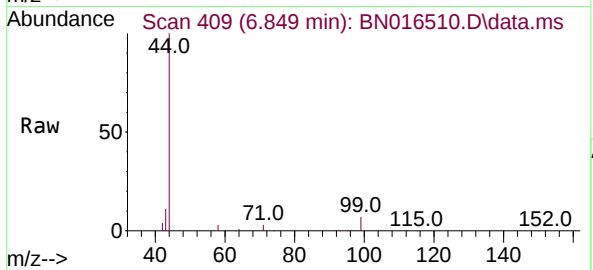




#5
Phenol-d6
Concen: 0.137 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

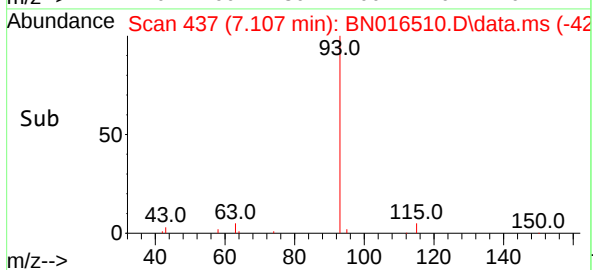
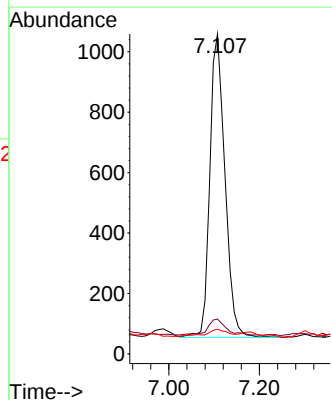
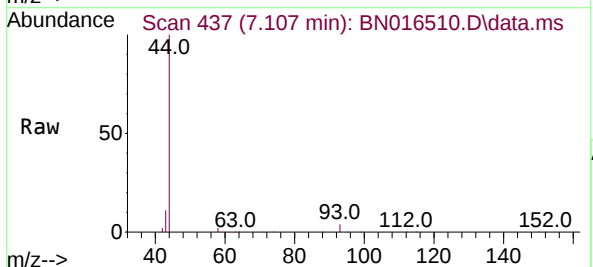
Instrument :
BNA_N
ClientSampleId :

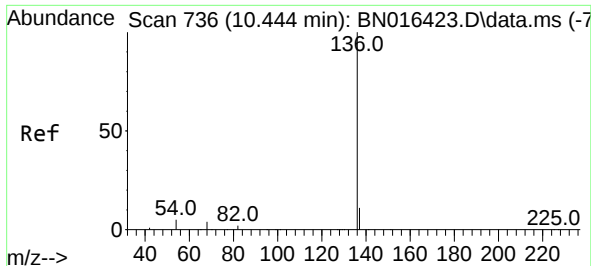
Tgt Ion: 99 Resp: 4233
Ion Ratio Lower Upper
99 100
42 36.7 14.0 21.0#
71 30.9 23.8 35.6



#6
bis(2-Chloroethyl)ether
Concen: 0.074 ng
RT: 7.107 min Scan# 437
Delta R.T. 0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion: 93 Resp: 2315
Ion Ratio Lower Upper
93 100
63 6.9 63.4 95.0#
95 3.2 26.8 40.2#

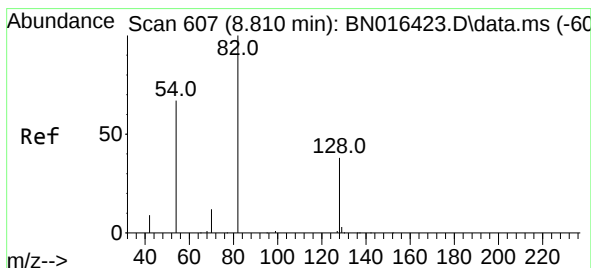
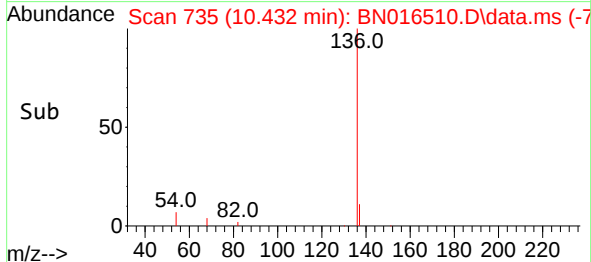
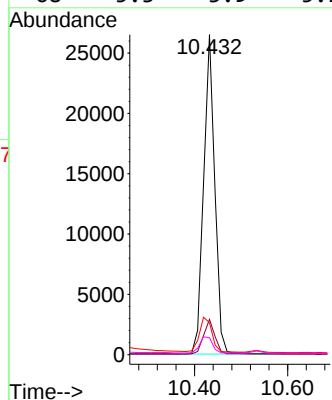
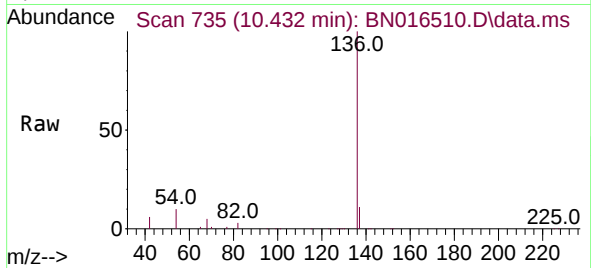




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

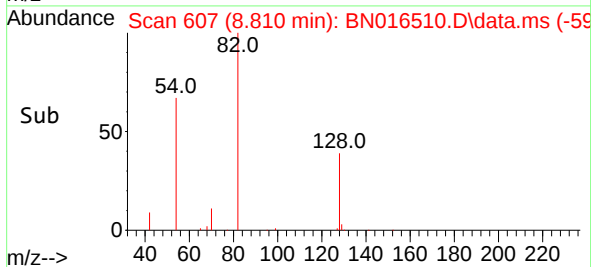
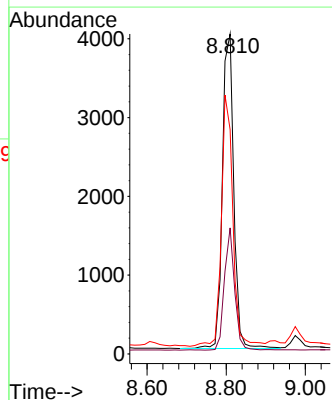
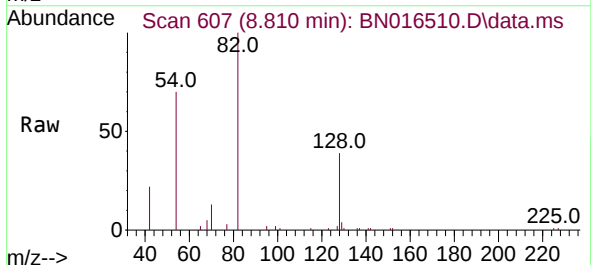
Instrument :
BNA_N
ClientSampleId :

Tgt Ion:	136	Resp:	44343
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	10.0	5.3	7.9#
68	5.3	3.9	5.9



#8
Nitrobenzene-d5
Concen: 0.253 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:	82	Resp:	7942
Ion Ratio	Lower	Upper	
82	100		
128	39.4	31.7	47.5
54	70.1	46.4	69.6#

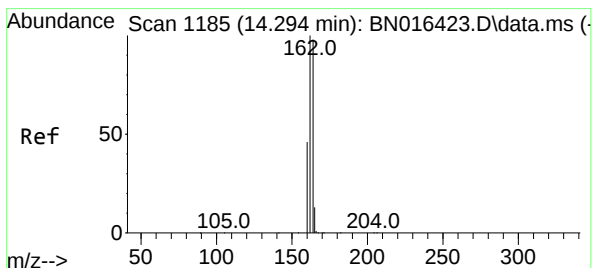
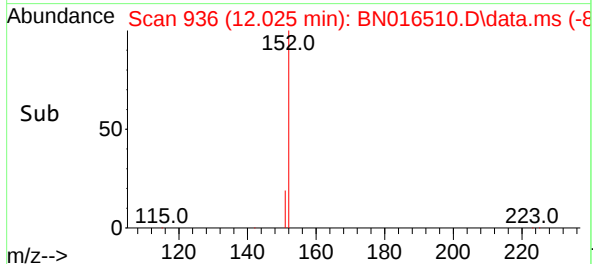
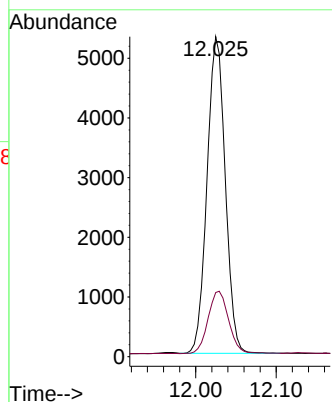
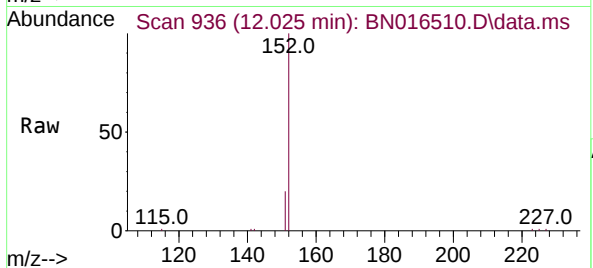




#11
2-Methylnaphthalene-d10
Concen: 0.127 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

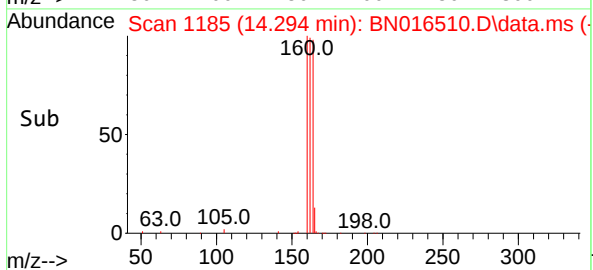
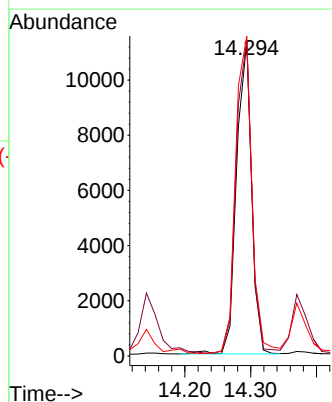
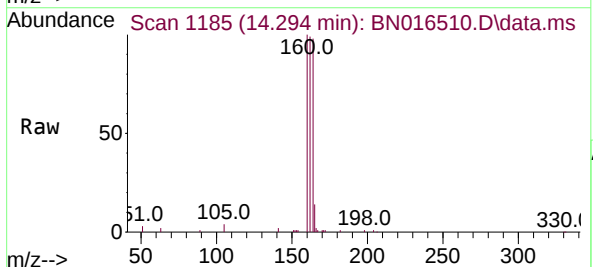
Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 8339
Ion Ratio Lower Upper
152 100
151 22.3 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: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:164 Resp: 17905
Ion Ratio Lower Upper
164 100
162 100.7 79.0 118.4
160 101.9 34.1 51.1#

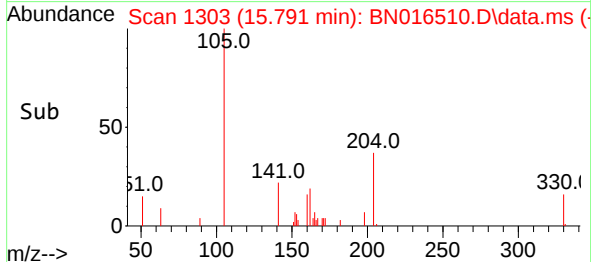
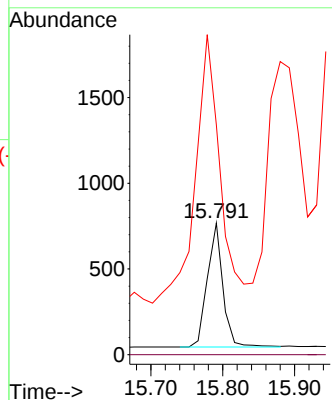
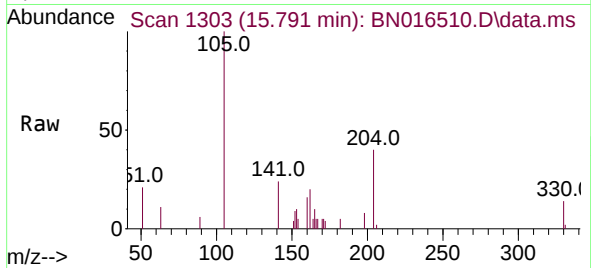




#14
2,4,6-Tribromophenol
Concen: 0.287 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

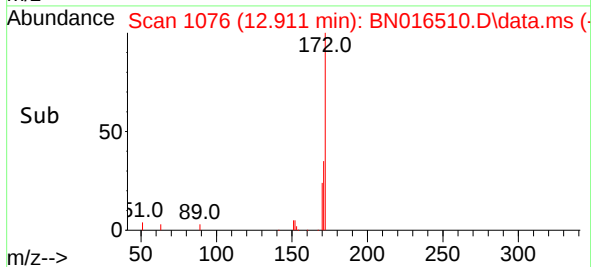
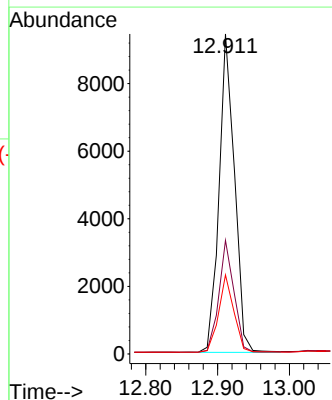
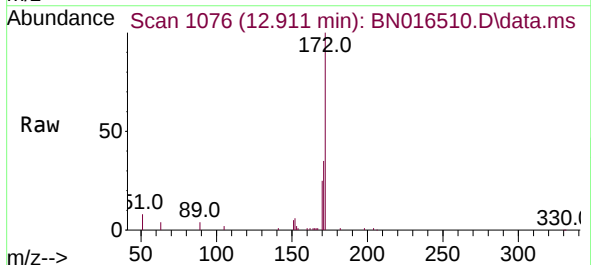
Instrument :
BNA_N
ClientSampleId :

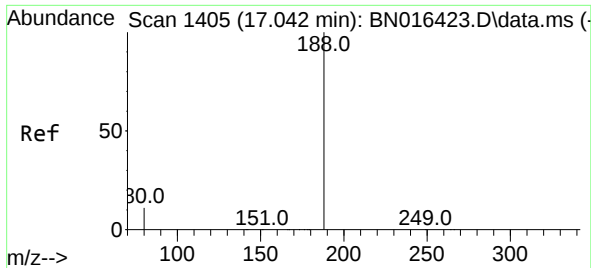
Tgt Ion: 330 Resp: 1085
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 301.0 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.186 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.013 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion: 172 Resp: 14019
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.6
170 24.7 18.2 27.2

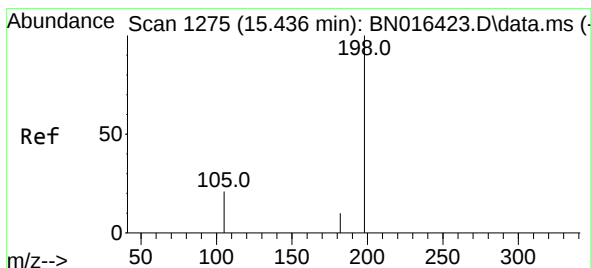
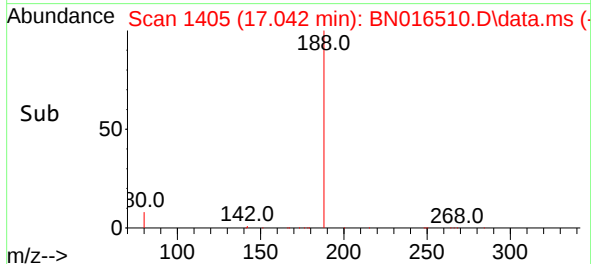
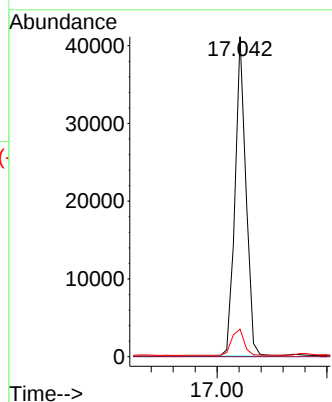
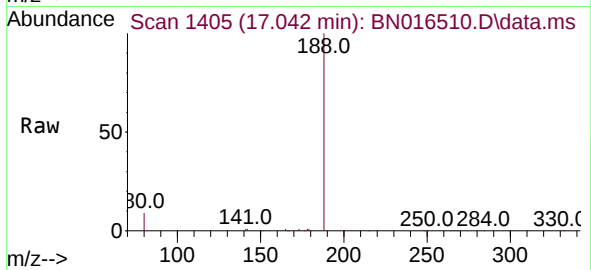




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

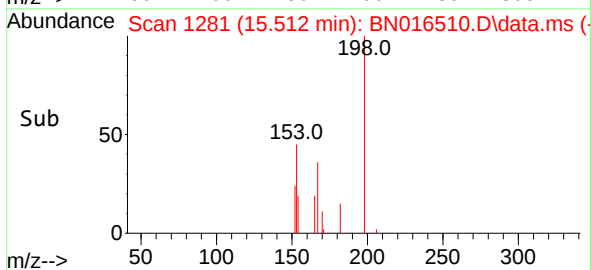
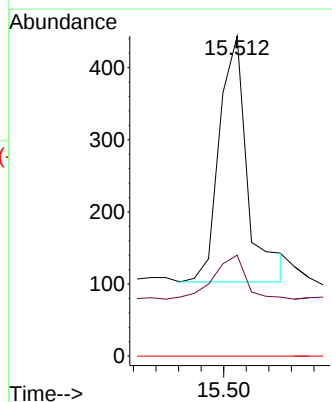
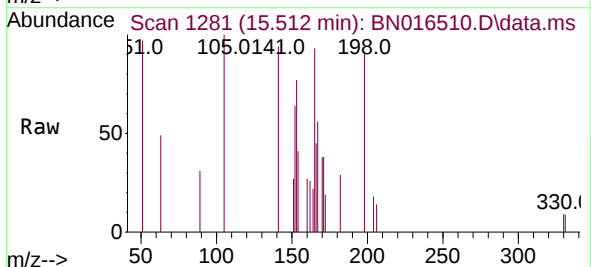
Instrument :
BNA_N
ClientSampleId :

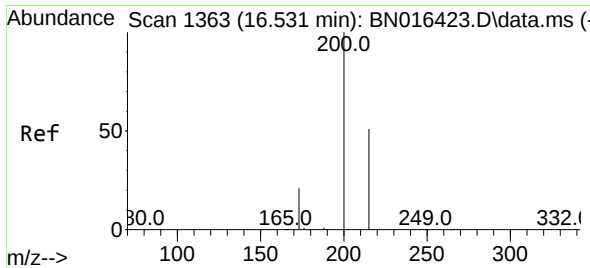
Tgt Ion:188	Resp:	56582
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	8.6	10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.238 ng
RT: 15.512 min Scan# 1281
Delta R.T. 0.076 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

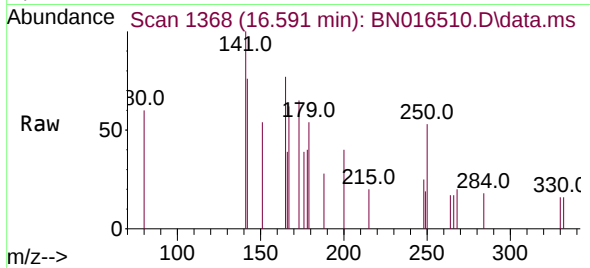
Tgt Ion:198	Resp:	592
Ion Ratio	Lower	Upper
198	100	
182	31.5	26.6
77	0.0	0.0



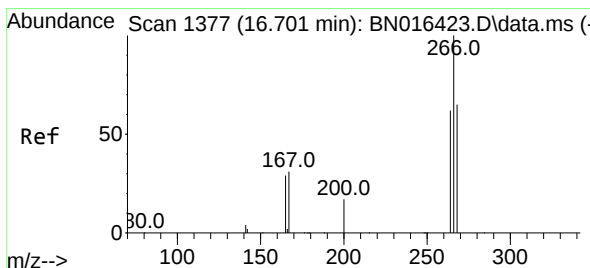
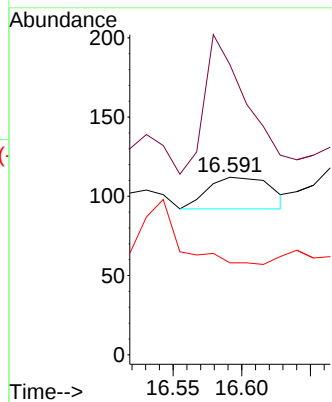
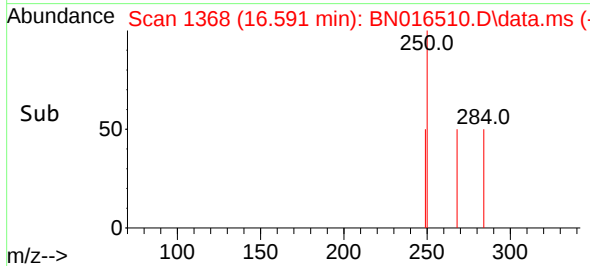


#23
Atrazine
Concen: 0.137 ng
RT: 16.591 min Scan# 1368
Delta R.T. 0.060 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

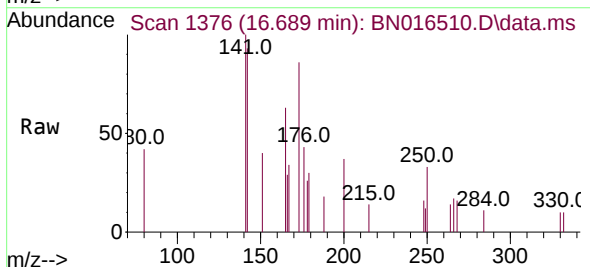
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BNA_N
ClientSampleId :



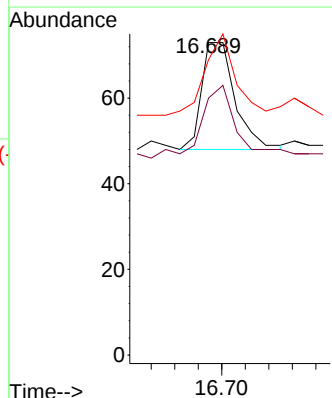
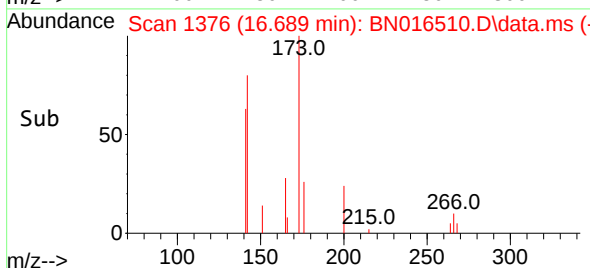
Tgt Ion:200 Resp: 64
Ion Ratio Lower Upper
200 100
173 163.4 18.7 28.1#
215 51.8 41.6 62.4

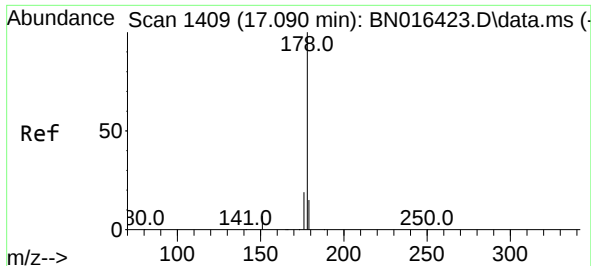


#24
Pentachlorophenol
Concen: 0.247 ng
RT: 16.689 min Scan# 1376
Delta R.T. -0.012 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37



Tgt Ion:266 Resp: 50
Ion Ratio Lower Upper
266 100
264 74.0 50.6 75.8
268 68.0 52.6 79.0

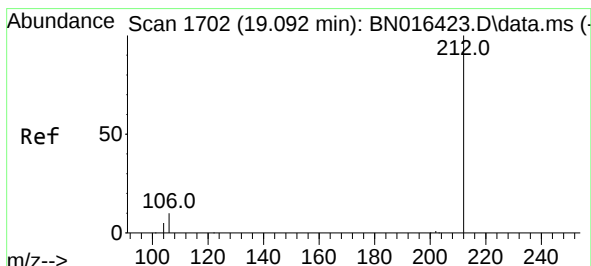
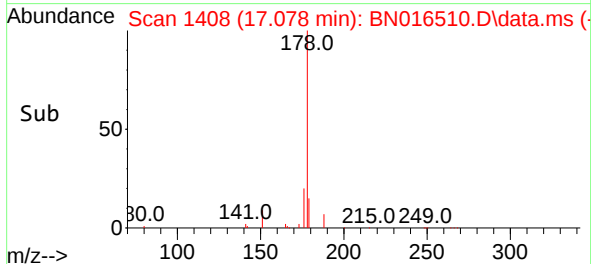
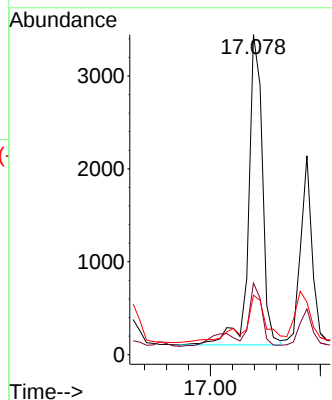
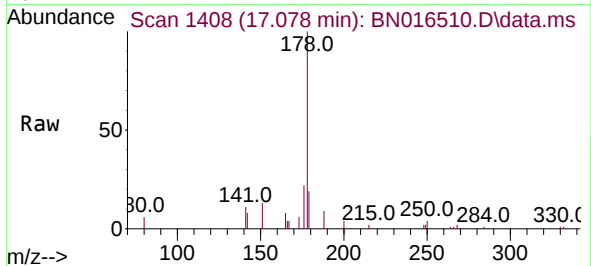




#25
Phenanthrene
Concen: 0.035 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

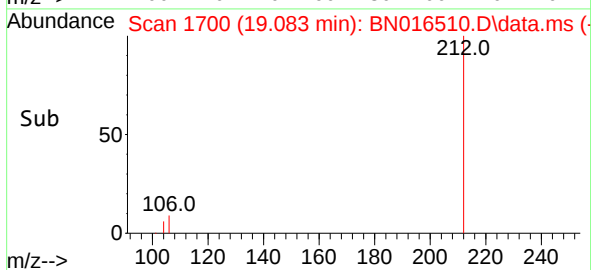
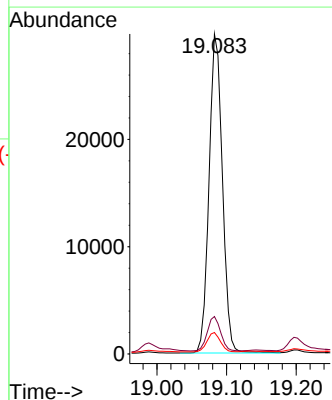
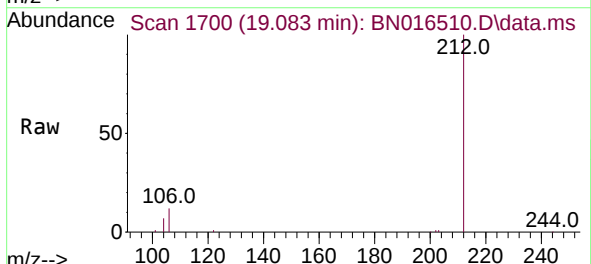
Instrument :
BNA_N
ClientSampleId :

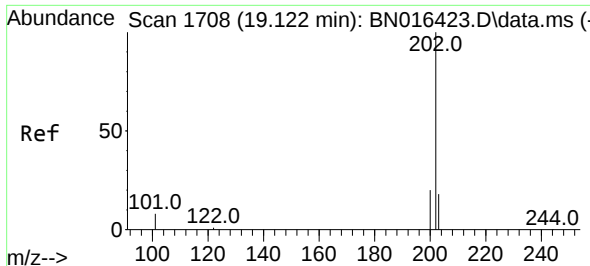
Tgt Ion:178 Resp: 5870
Ion Ratio Lower Upper
178 100
176 17.4 14.4 21.6
179 25.2 12.2 18.4#



#27
Fluoranthene-d10
Concen: 0.256 ng
RT: 19.083 min Scan# 1700
Delta R.T. -0.010 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:212 Resp: 39800
Ion Ratio Lower Upper
212 100
106 10.6 9.8 14.6
104 6.0 5.4 8.2

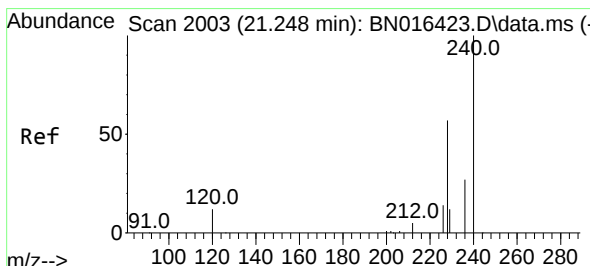
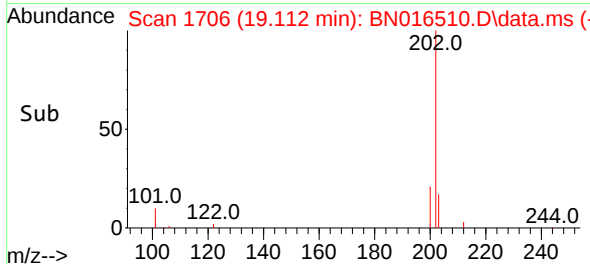
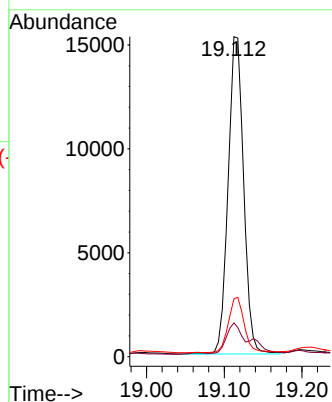
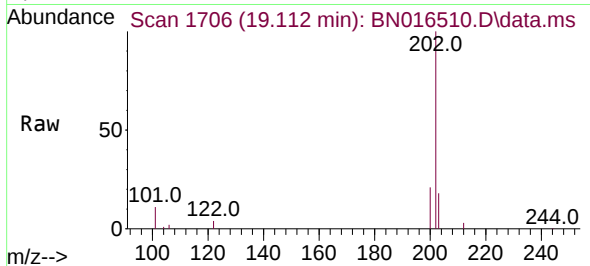




#28
Fluoranthene
Concen: 0.115 ng
RT: 19.112 min Scan# 1706
Delta R.T. -0.010 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

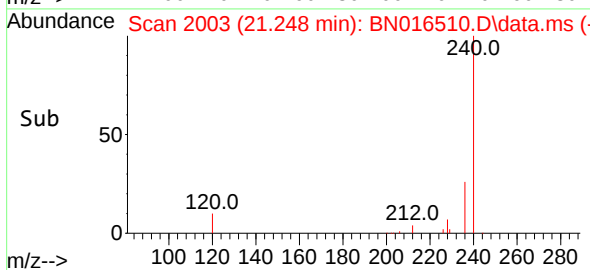
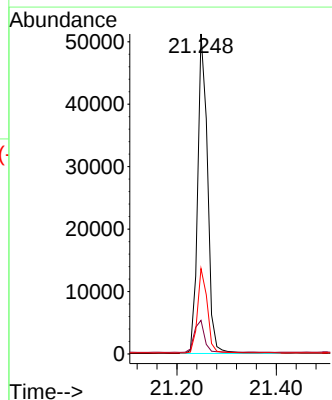
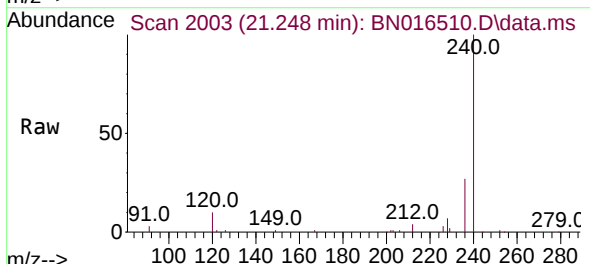
Instrument :
BNA_N
ClientSampleId :

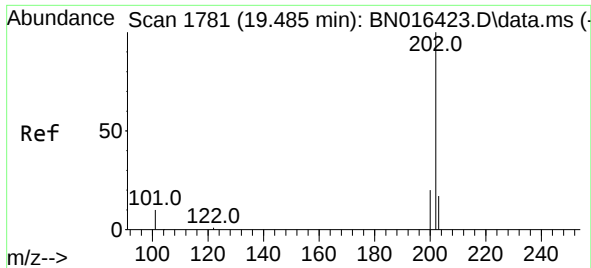
Tgt Ion:202 Resp: 21145
Ion Ratio Lower Upper
202 100
101 9.8 8.5 12.7
203 17.9 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.248 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:240 Resp: 70704
Ion Ratio Lower Upper
240 100
120 10.5 5.3 7.9#
236 26.7 19.8 29.8

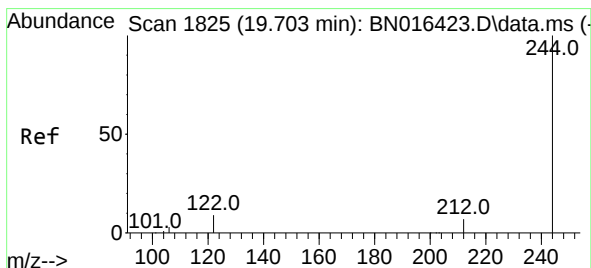
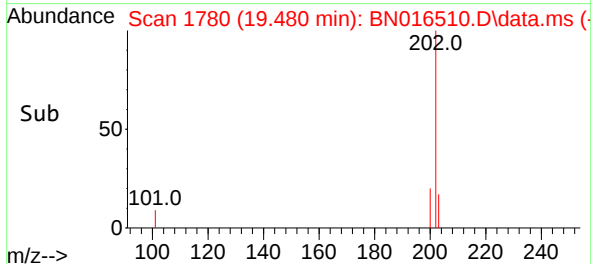
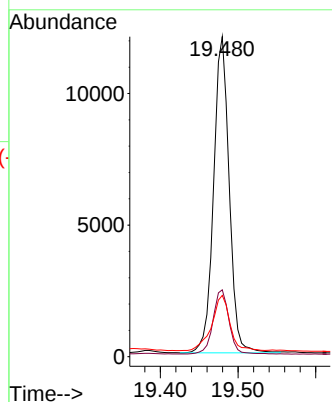
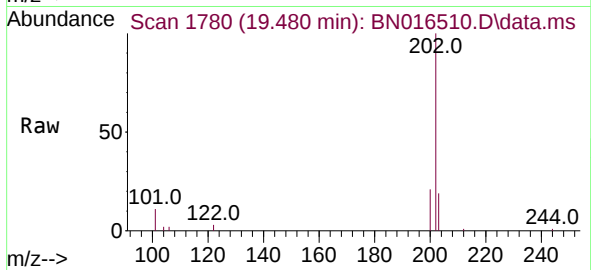




#30
Pyrene
Concen: 0.076 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

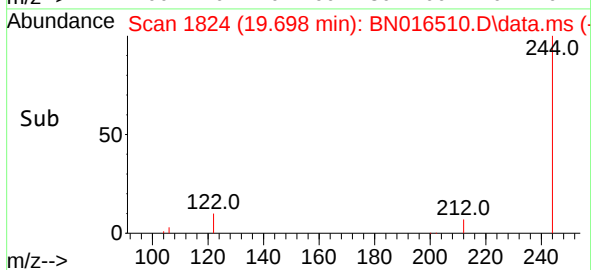
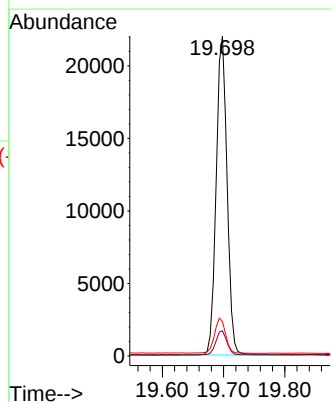
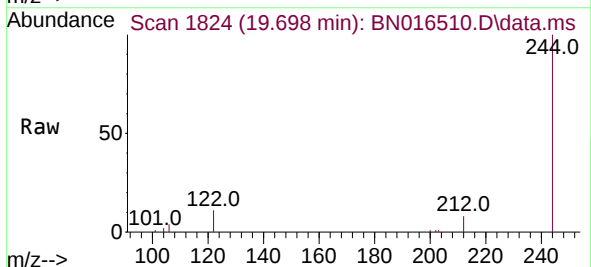
Instrument :
BNA_N
ClientSampleId :

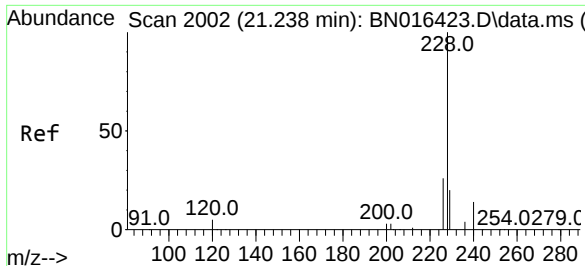
Tgt Ion:	202	Resp:	16778
Ion Ratio	Lower	Upper	
202	100		
200	20.7	15.8	23.6
203	20.2	13.9	20.9



#31
Terphenyl-d14
Concen: 0.165 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:	244	Resp:	27152
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.5	8.3
122	10.8	9.0	13.4

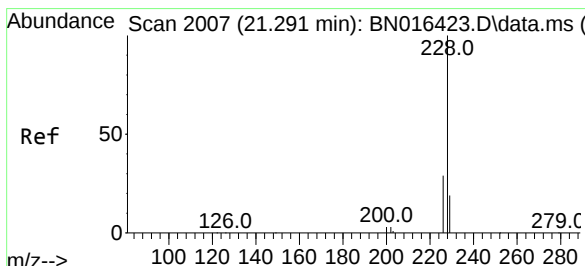
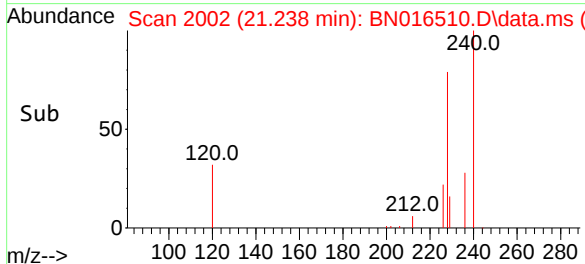
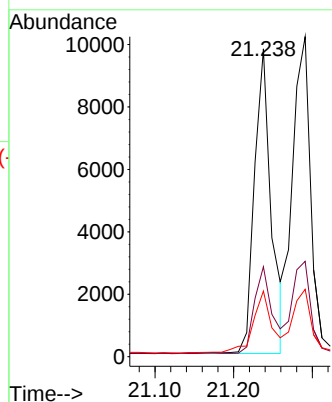
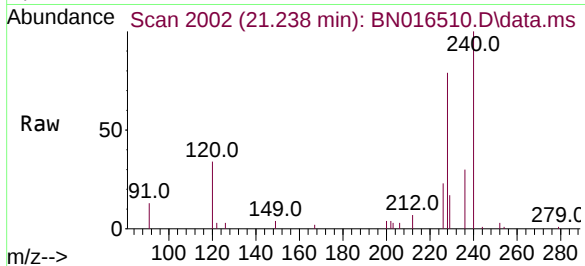




#32
Benzo(a)anthracene
Concen: 0.071 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

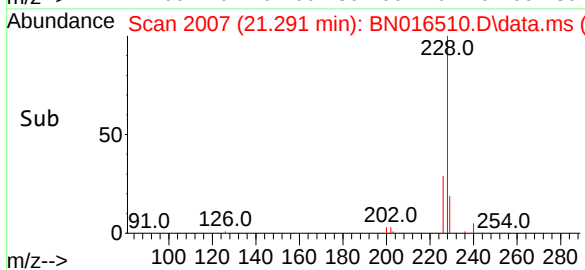
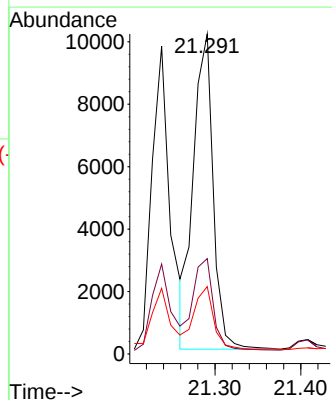
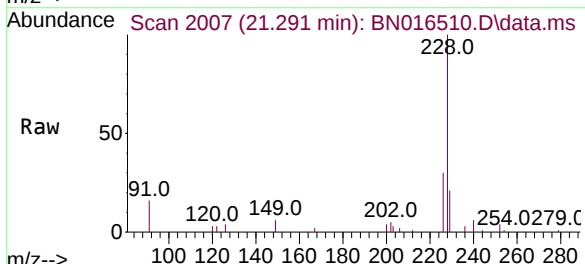
Instrument :
BNA_N
ClientSampleId :

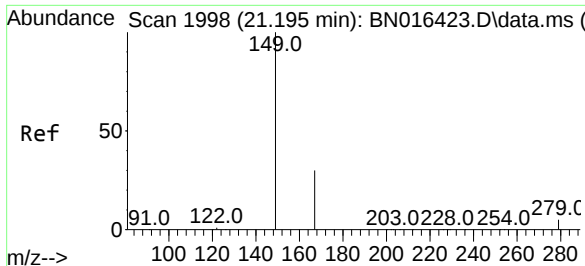
Tgt Ion:228 Resp: 14477
Ion Ratio Lower Upper
228 100
226 29.2 20.8 31.2
229 21.3 15.8 23.6



#33
Chrysene
Concen: 0.073 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:228 Resp: 16145
Ion Ratio Lower Upper
228 100
226 29.8 23.0 34.4
229 21.1 15.6 23.4

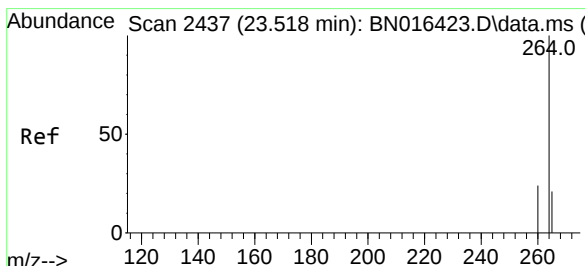
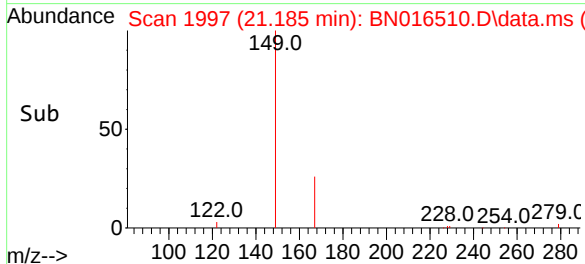
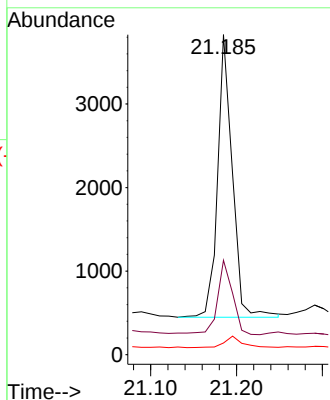
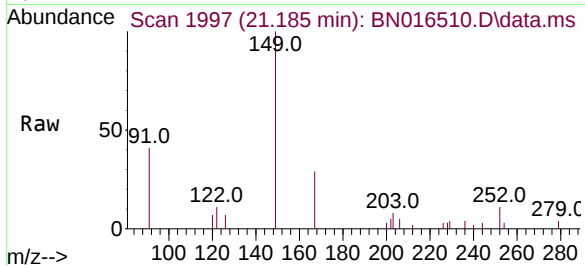




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.072 ng
 RT: 21.185 min Scan# 1997
 Delta R.T. -0.011 min
 Lab File: BN016510.D
 Acq: 26 Sep 2021 14:37

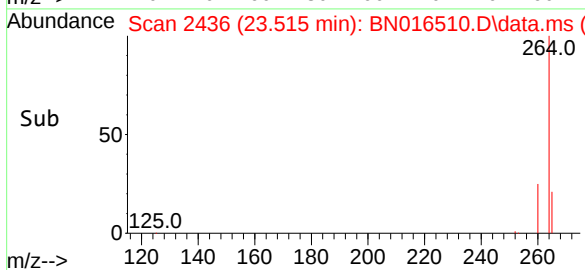
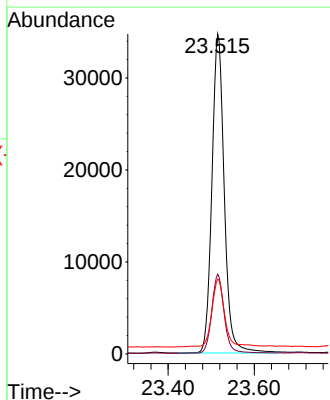
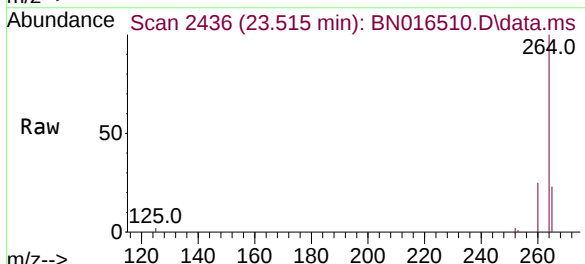
Instrument :
 BNA_N
 ClientSampleId :

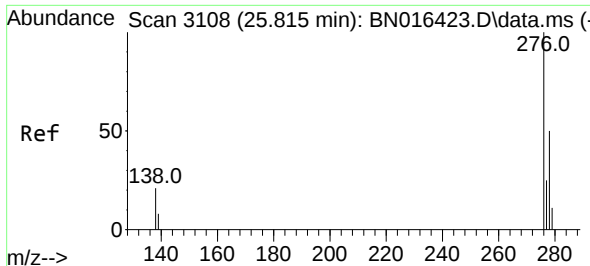
Tgt Ion:149	Resp:	4012
Ion Ratio	Lower	Upper
149	100	
167	26.8	23.4 35.0
279	4.8	3.9 5.9



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.515 min Scan# 2436
 Delta R.T. -0.003 min
 Lab File: BN016510.D
 Acq: 26 Sep 2021 14:37

Tgt Ion:264	Resp:	69313
Ion Ratio	Lower	Upper
264	100	
260	24.9	18.9 28.3
265	23.4	23.7 35.5

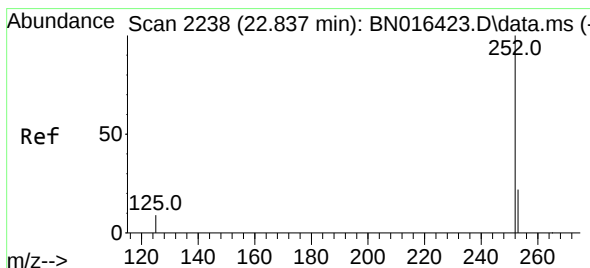
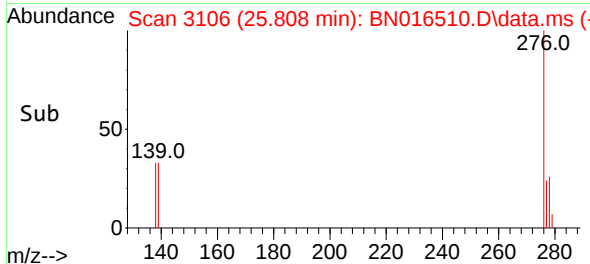
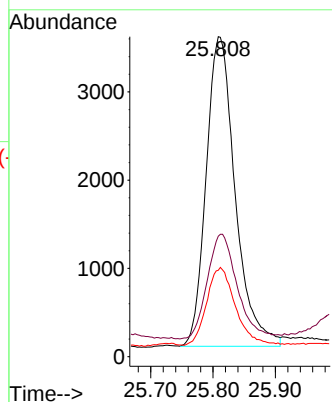
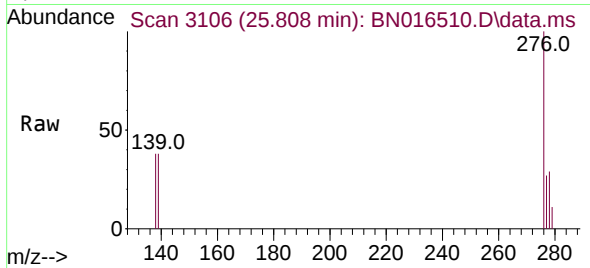




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.051 ng
RT: 25.808 min Scan# 3106
Delta R.T. -0.007 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

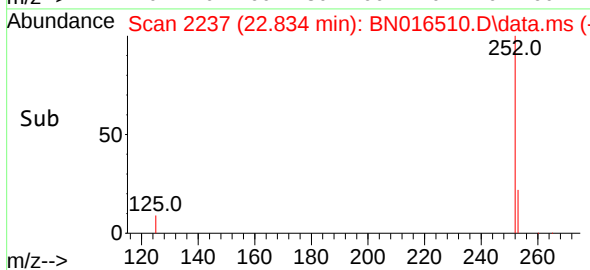
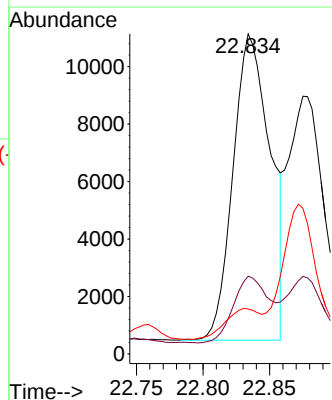
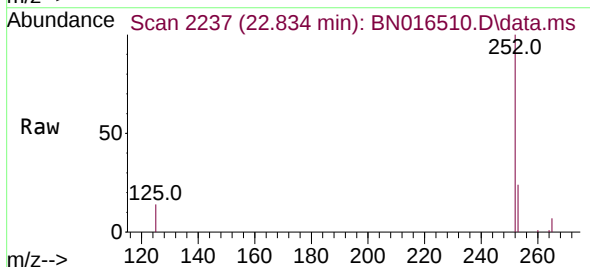
Instrument :
BNA_N
ClientSampleId :

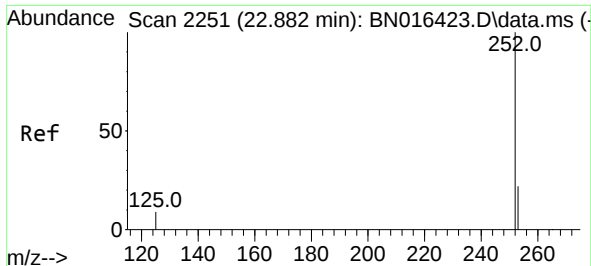
Tgt Ion:276 Resp: 11399
Ion Ratio Lower Upper
276 100
138 35.1 19.3 28.9#
277 24.8 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 0.089 ng
RT: 22.834 min Scan# 2237
Delta R.T. -0.003 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:252 Resp: 20646
Ion Ratio Lower Upper
252 100
253 24.3 18.2 27.2
125 14.0 8.4 12.6#

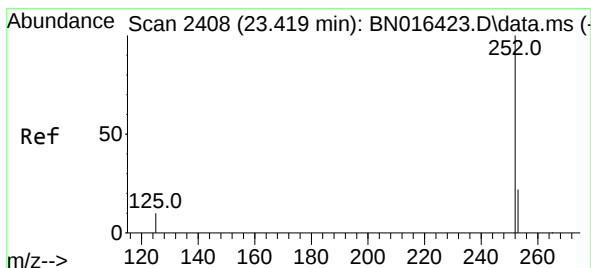
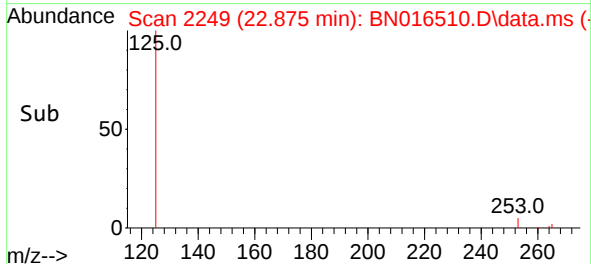
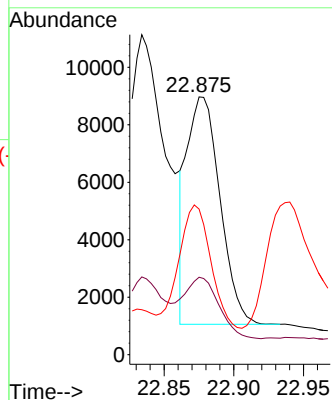
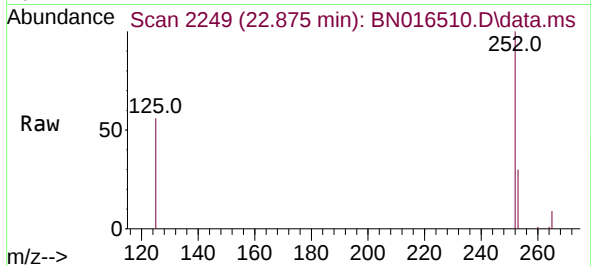




#38
Benzo(k)fluoranthene
Concen: 0.058 ng
RT: 22.875 min Scan# 2249
Delta R.T. -0.007 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

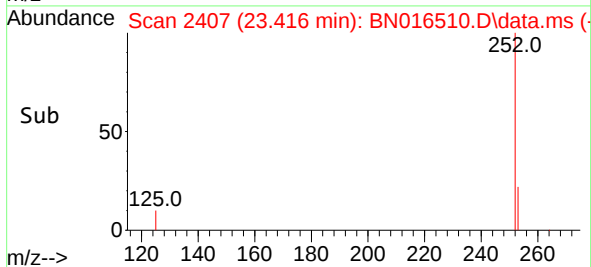
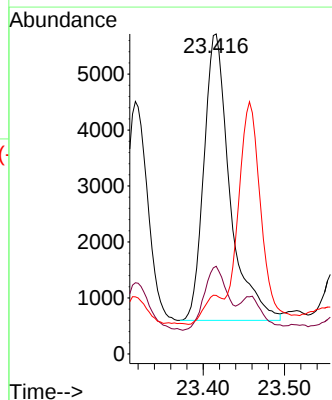
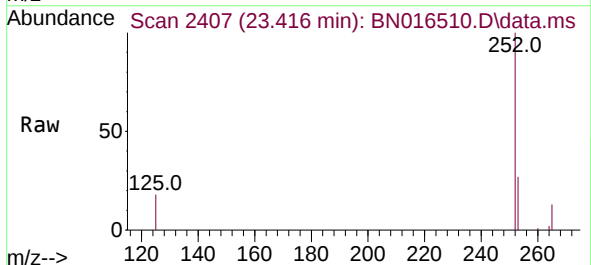
Instrument :
BNA_N
ClientSampleId :

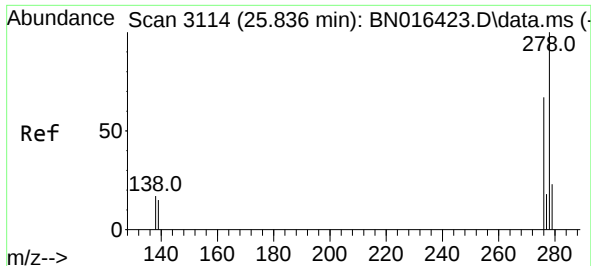
Tgt Ion:252 Resp: 13070
Ion Ratio Lower Upper
252 100
253 30.1 18.2 27.2#
125 56.5 8.2 12.4#



#39
Benzo(a)pyrene
Concen: 0.060 ng
RT: 23.416 min Scan# 2407
Delta R.T. -0.003 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:252 Resp: 11326
Ion Ratio Lower Upper
252 100
253 27.4 18.7 28.1
125 18.3 9.9 14.9#

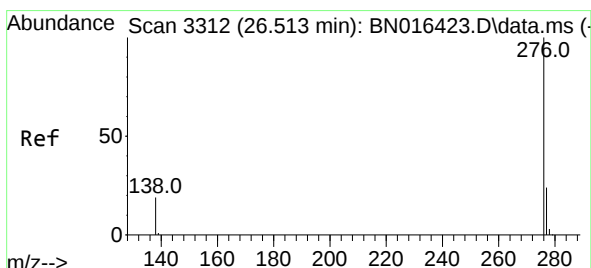
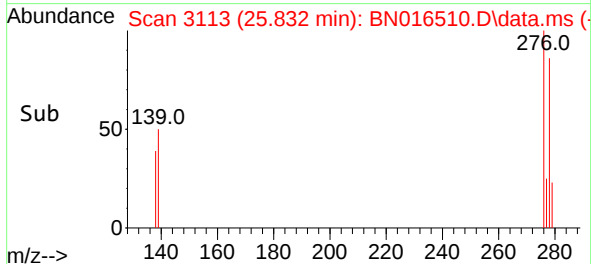
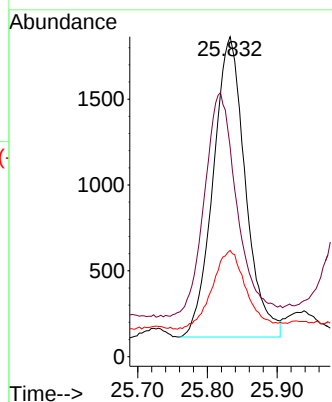
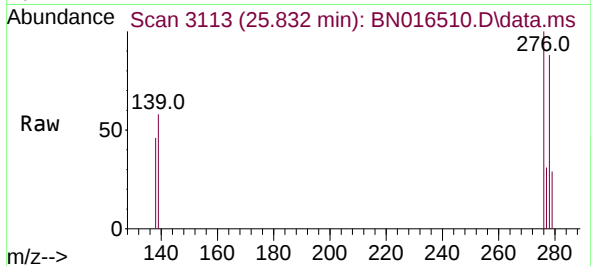




#40
Dibenzo(a,h)anthracene
Concen: 0.029 ng
RT: 25.832 min Scan# 3113
Delta R.T. -0.003 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 5610
Ion Ratio Lower Upper
278 100
139 65.6 14.2 21.2#
279 33.2 21.3 31.9#



#41
Benzo(g,h,i)perylene
Concen: 0.044 ng
RT: 26.514 min Scan# 3312
Delta R.T. 0.000 min
Lab File: BN016510.D
Acq: 26 Sep 2021 14:37

Tgt Ion:276 Resp: 8605
Ion Ratio Lower Upper
276 100
277 27.3 20.5 30.7
138 27.3 18.2 27.4

