

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092421\
 Data File : BN016454.D
 Acq On : 25 Sep 2021 02:26
 Operator : CG/JU
 Sample : M3911-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 25 05:07:03 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)

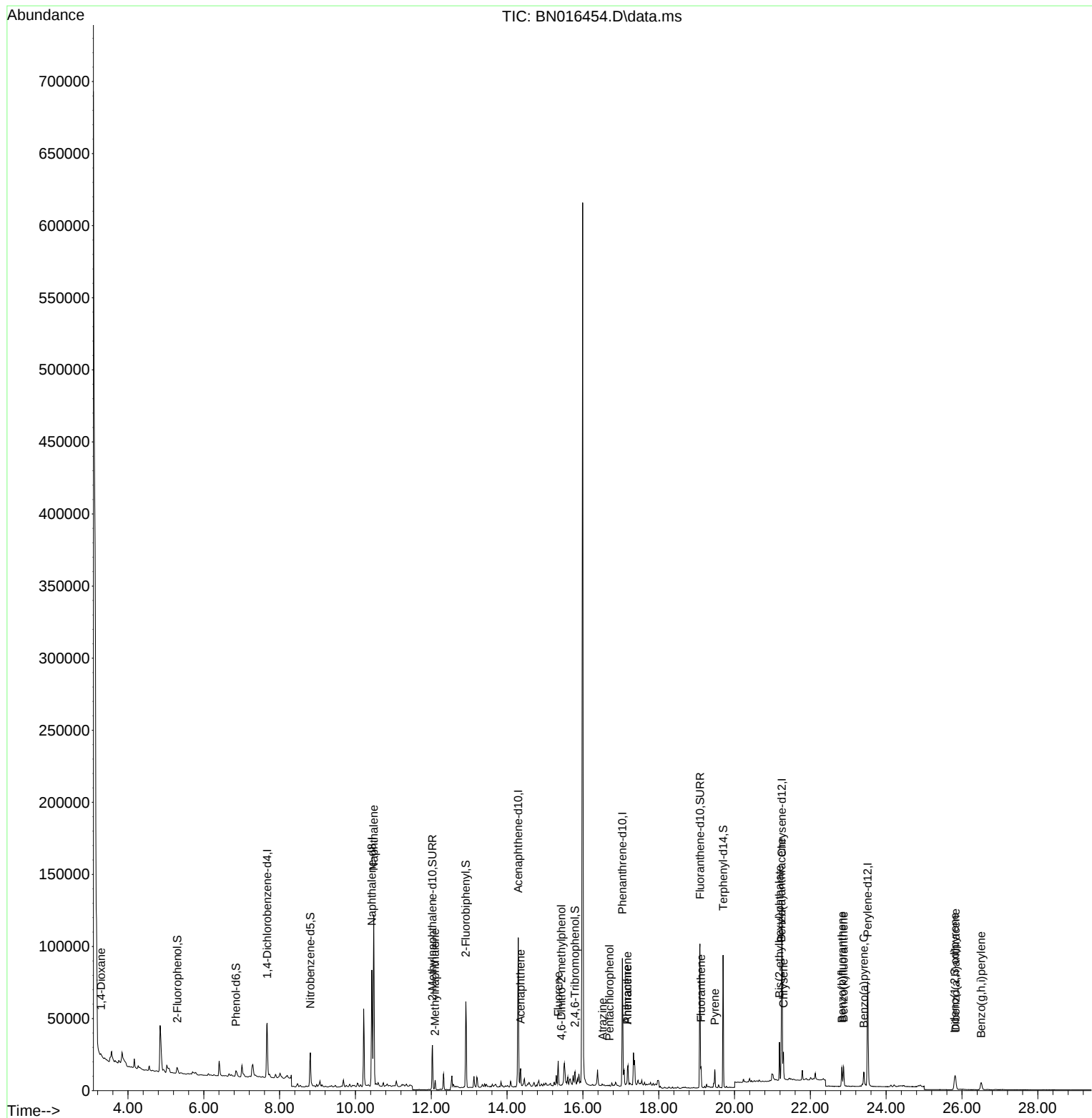
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	23670	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	103423	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	57599	0.400	ng	0.00
19) Phenanthrene-d10	17.042	188	112481	0.400	ng	0.00
29) Chrysene-d12	21.248	240	108254	0.400	ng	# 0.00
35) Perylene-d12	23.511	264	97243	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	5515	0.104	ng	0.02
5) Phenol-d6	6.849	99	3657	0.058	ng	0.00
8) Nitrobenzene-d5	8.809	82	18409	0.251	ng	0.00
11) 2-Methylnaphthalene-d10	12.029	152	40773	0.266	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	5293	0.372	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	53667	0.222	ng	-0.01
27) Fluoranthene-d10	19.087	212	113754	0.369	ng	0.00
31) Terphenyl-d14	19.698	244	90888	0.361	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.290	88	429	0.042	ng	# 72
9) Naphthalene	10.482	128	148826	0.540	ng	100
12) 2-Methylnaphthalene	12.100	142	4504	0.026	ng	# 95
17) Acenaphthene	14.357	154	6263	0.038	ng	96
18) Fluorene	15.347	166	9933	0.050	ng	100
20) 4,6-Dinitro-2-methylph...	15.436	198	33	0.150	ng	# 1
23) Atrazine	16.518	200	374	0.141	ng	# 58
24) Pentachlorophenol	16.701	266	385	0.256	ng	92
25) Phenanthrene	17.175	178	9568	0.029	ng	98
26) Anthracene	17.175	178	9527	0.034	ng	98
28) Fluoranthene	19.117	202	12701	0.035	ng	99
30) Pyrene	19.480	202	11035	0.033	ng	95
32) Benzo(a)anthracene	21.238	228	18332	0.058	ng	98
33) Chrysene	21.291	228	18017	0.053	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	22169	0.259	ng	99
36) Indeno(1,2,3-cd)pyrene	25.805	276	13319	0.042	ng	100
37) Benzo(b)fluoranthene	22.830	252	17387	0.054	ng	# 91
38) Benzo(k)fluoranthene	22.875	252	15971	0.051	ng	# 84
39) Benzo(a)pyrene	23.412	252	13793	0.052	ng	# 82
40) Dibenzo(a,h)anthracene	25.829	278	10736	0.040	ng	# 95
41) Benzo(g,h,i)perylene	26.503	276	10788	0.039	ng	100

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

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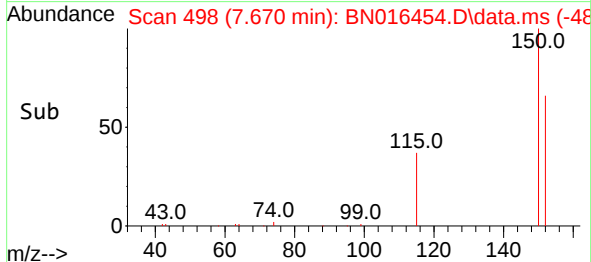
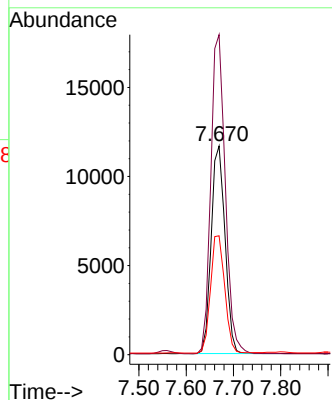
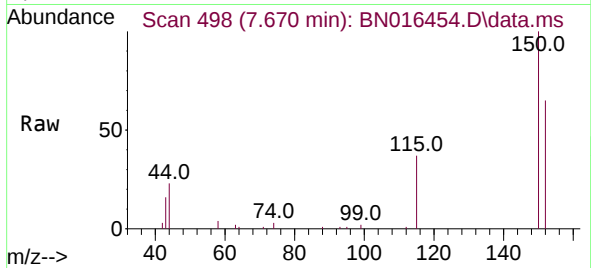




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. -0.000 min
 Lab File: BN016454.D
 Acq: 25 Sep 2021 02:26

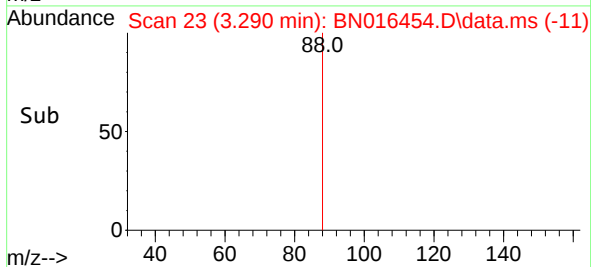
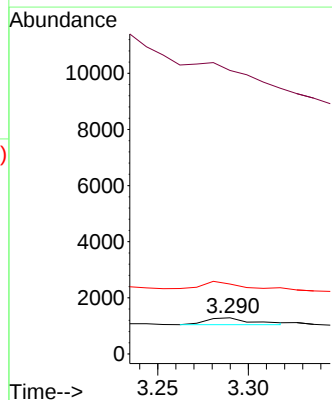
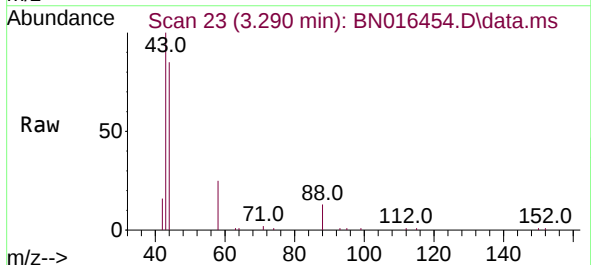
Instrument :
 BNA_N
 ClientSampleId :

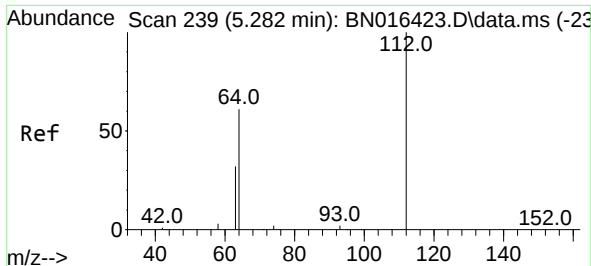
Tgt Ion:152 Resp: 23670
 Ion Ratio Lower Upper
 152 100
 150 153.4 125.6 188.4
 115 57.0 50.2 75.2



#2
 1,4-Dioxane
 Concen: 0.042 ng
 RT: 3.290 min Scan# 23
 Delta R.T. 0.009 min
 Lab File: BN016454.D
 Acq: 25 Sep 2021 02:26

Tgt Ion: 88 Resp: 429
 Ion Ratio Lower Upper
 88 100
 43 0.0 20.3 30.5#
 58 67.1 69.9 104.9#

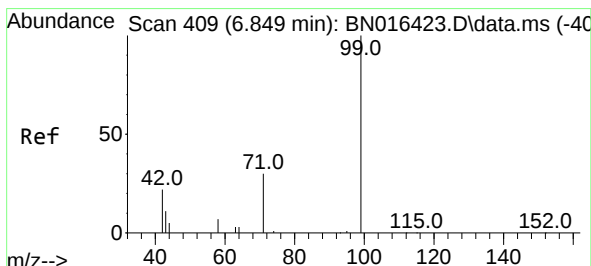
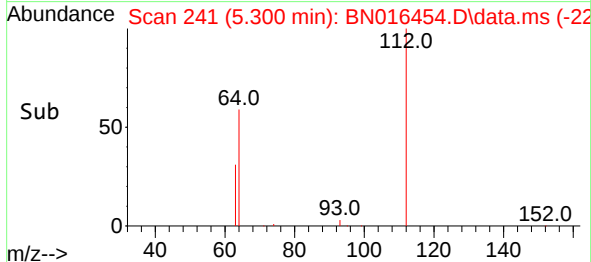
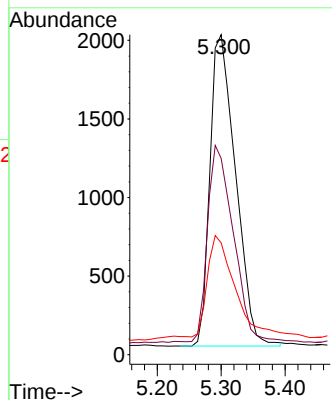
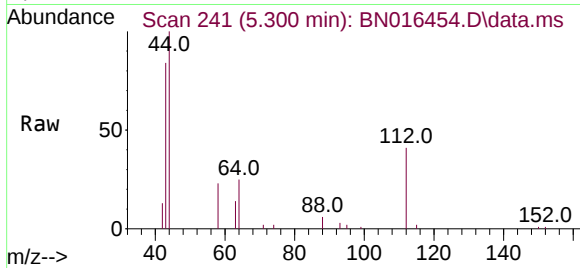




#4
2-Fluorophenol
Concen: 0.104 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.018 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

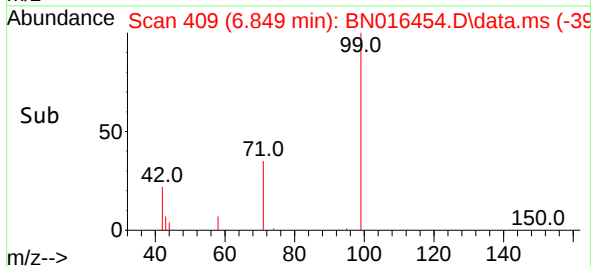
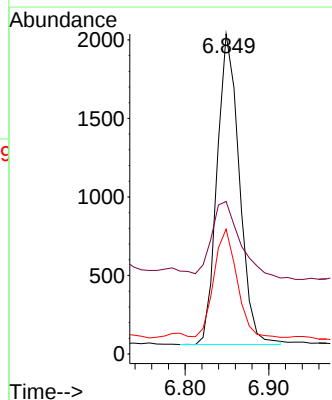
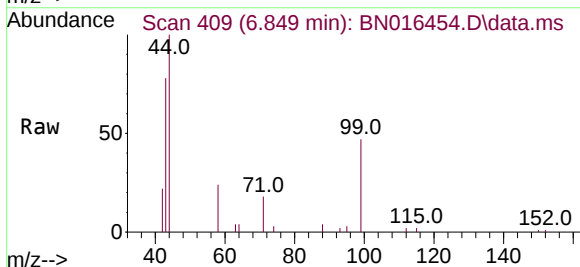
Instrument :
BNA_N
ClientSampled :

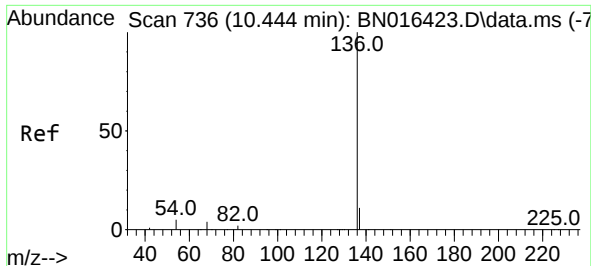
Tgt Ion:112 Resp: 5515
Ion Ratio Lower Upper
112 100
64 63.8 47.3 70.9
63 34.7 23.4 35.0



#5
Phenol-d6
Concen: 0.058 ng
RT: 6.849 min Scan# 409
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion: 99 Resp: 3657
Ion Ratio Lower Upper
99 100
42 31.4 14.0 21.0#
71 35.9 23.8 35.6#

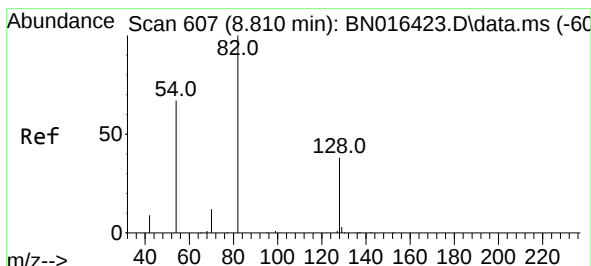
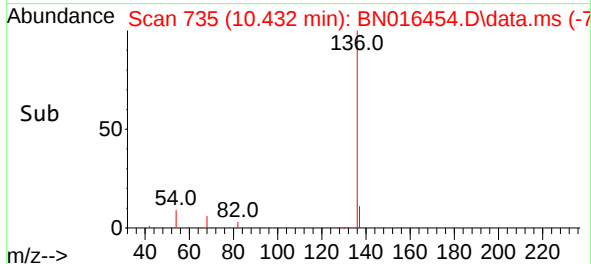
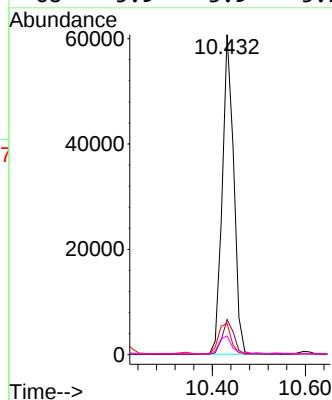
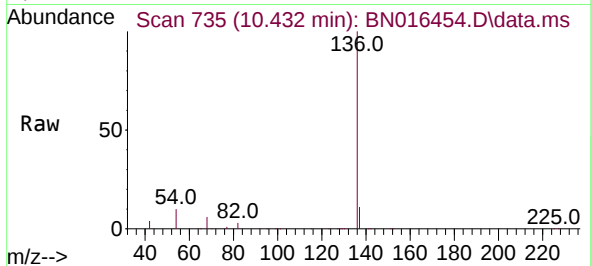




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

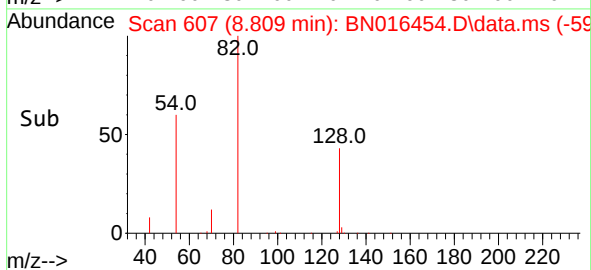
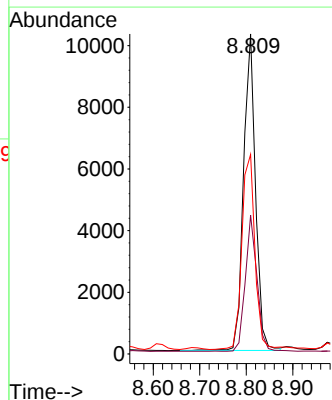
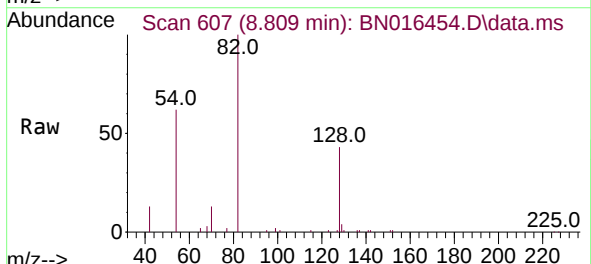
Instrument :
BNA_N
ClientSampleId :

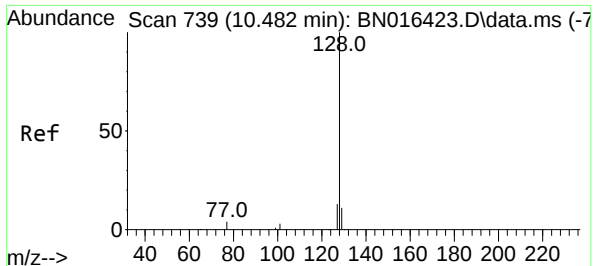
Tgt Ion:136	Resp: 103423
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 9.8	5.3 7.9#
68 5.9	3.9 5.9#



#8
Nitrobenzene-d5
Concen: 0.251 ng
RT: 8.809 min Scan# 607
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion: 82	Resp: 18409
Ion Ratio	Lower Upper
82 100	
128 43.4	31.7 47.5
54 62.3	46.4 69.6

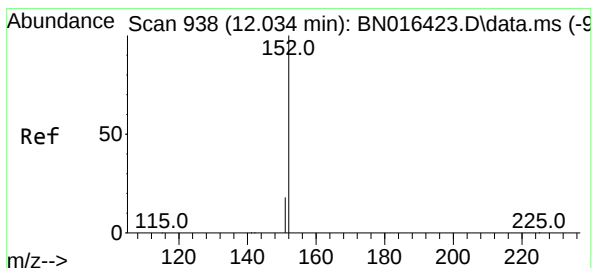
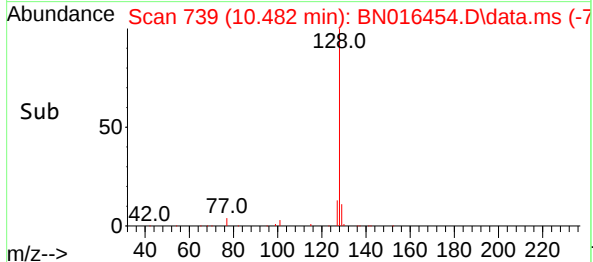
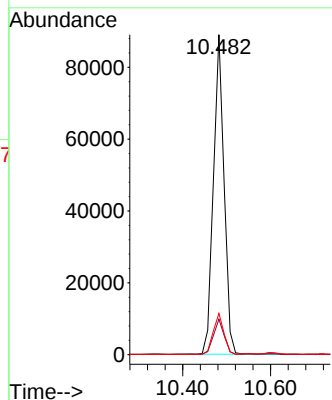
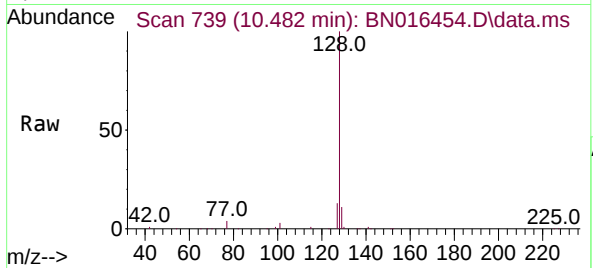




#9
Naphthalene
Concen: 0.540 ng
RT: 10.482 min Scan# 739
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

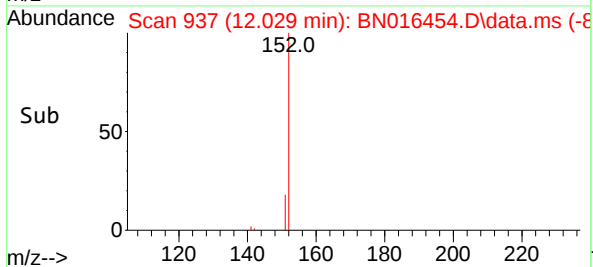
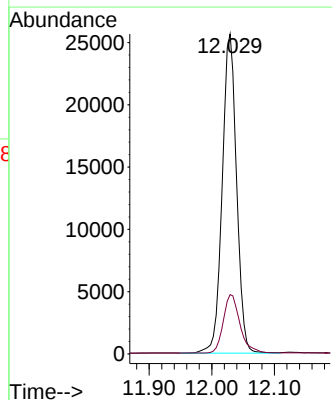
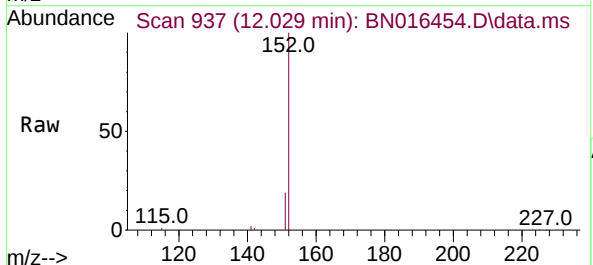
Instrument :
BNA_N
ClientSampleId :

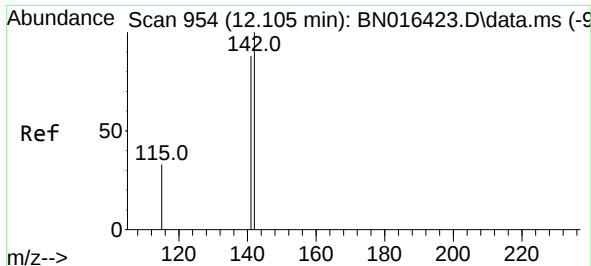
Tgt Ion:128 Resp: 148826
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 12.9 10.1 15.1



#11
2-Methylnaphthalene-d10
Concen: 0.266 ng
RT: 12.029 min Scan# 937
Delta R.T. -0.005 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:152 Resp: 40773
Ion Ratio Lower Upper
152 100
151 21.2 16.1 24.1

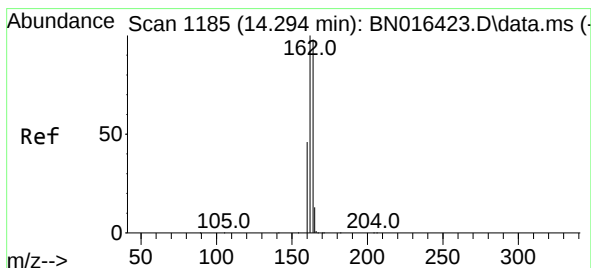
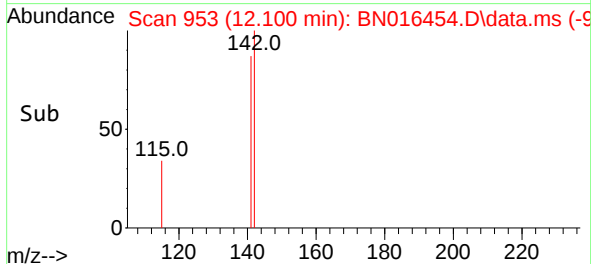
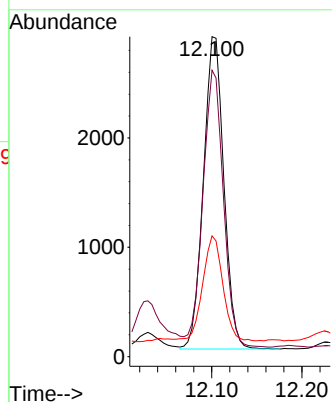
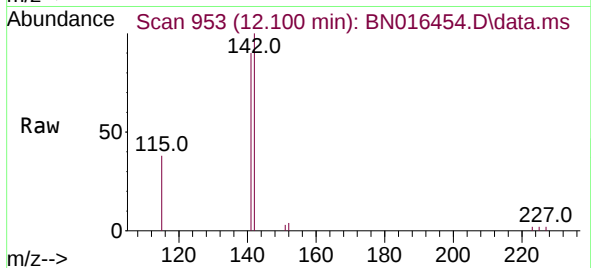




#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 12.100 min Scan# 953
Delta R.T. -0.005 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

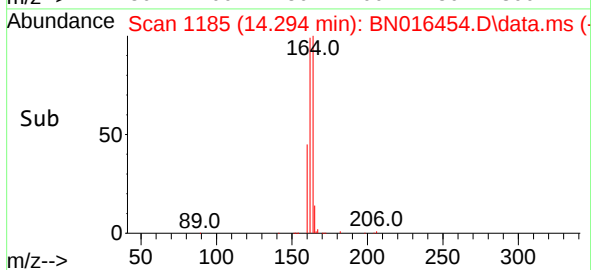
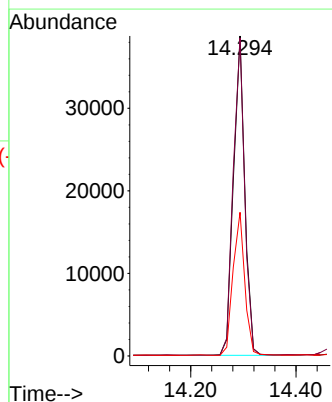
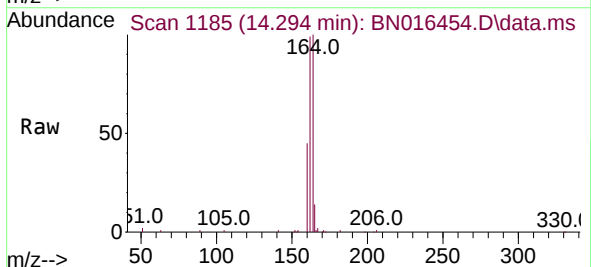
Instrument :
BNA_N
ClientSampleId :

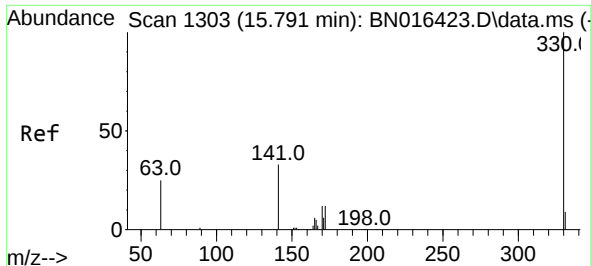
Tgt Ion:142 Resp: 4504
Ion Ratio Lower Upper
142 100
141 89.5 69.8 104.8
115 37.8 24.4 36.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:164 Resp: 57599
Ion Ratio Lower Upper
164 100
162 99.4 79.0 118.4
160 44.9 34.1 51.1

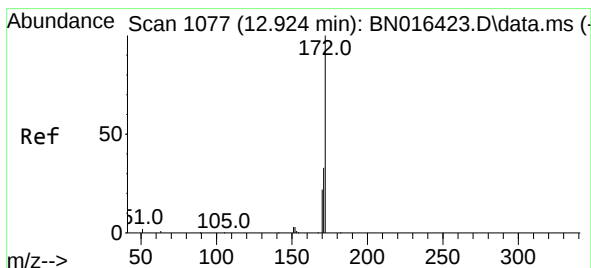
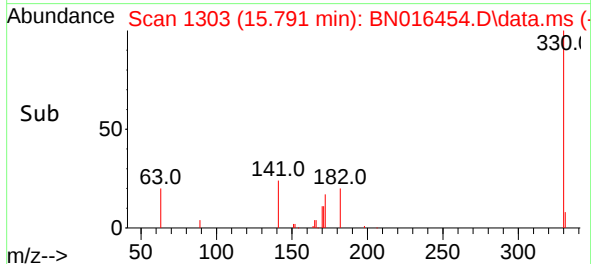
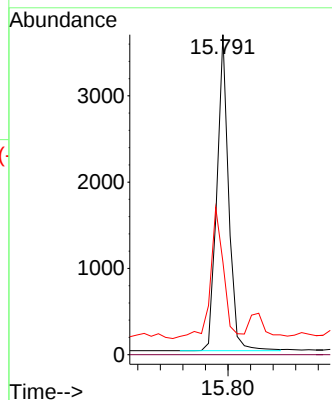
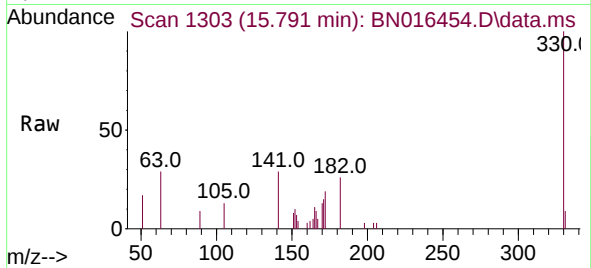




#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.791 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

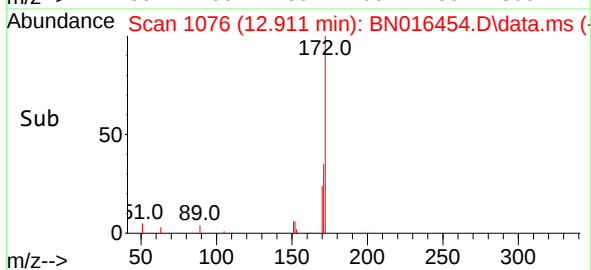
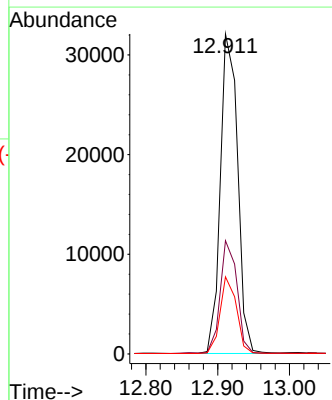
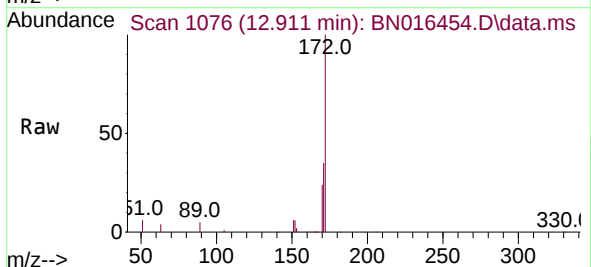
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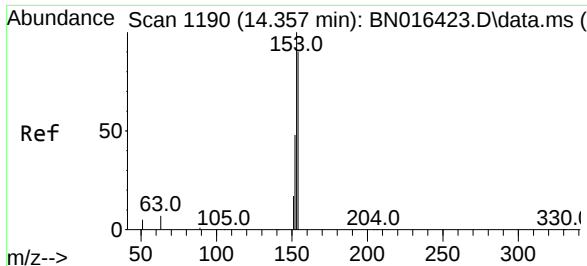
Tgt Ion: 330 Resp: 5293
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 43.1 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.222 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.013 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion: 172 Resp: 53667
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.6
170 24.1 18.2 27.2

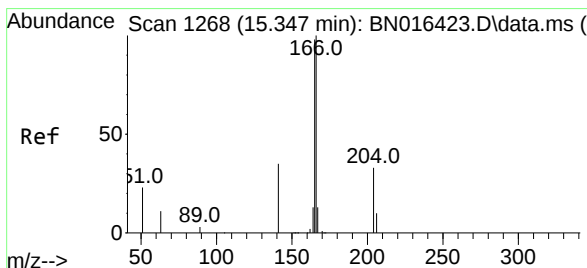
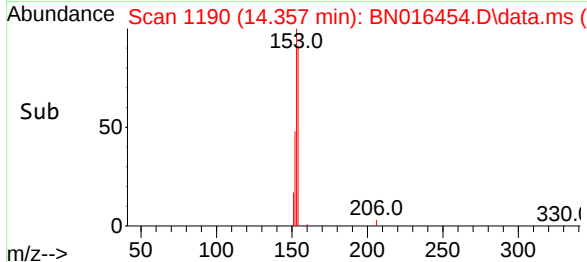
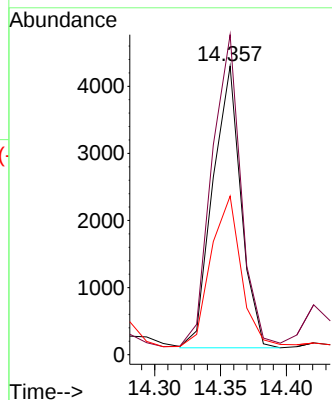
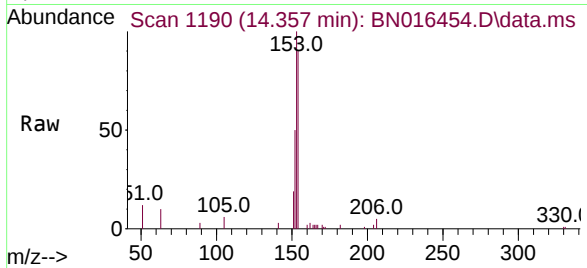




#17
Acenaphthene
Concen: 0.038 ng
RT: 14.357 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

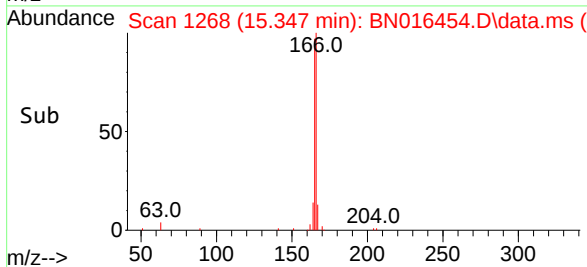
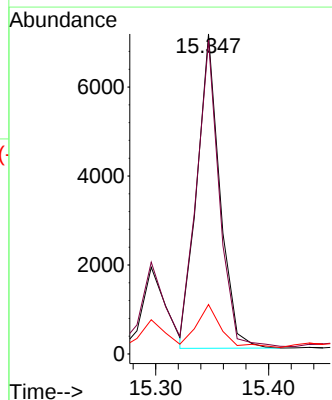
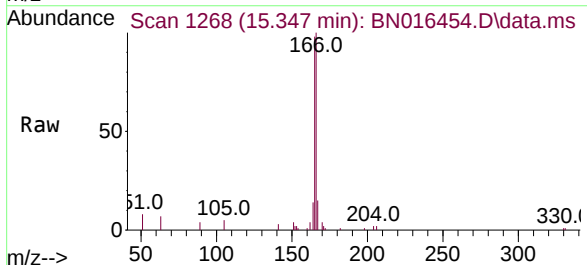
Instrument :
BNA_N
ClientSampleId :

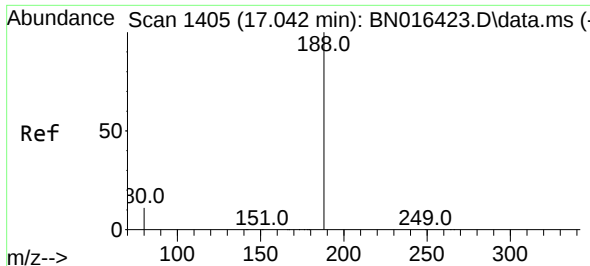
Tgt Ion:154 Resp: 6263
Ion Ratio Lower Upper
154 100
153 114.0 89.3 133.9
152 57.6 42.2 63.4



#18
Fluorene
Concen: 0.050 ng
RT: 15.347 min Scan# 1268
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:166 Resp: 9933
Ion Ratio Lower Upper
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165 95.9 76.7 115.1
167 15.0 10.9 16.3

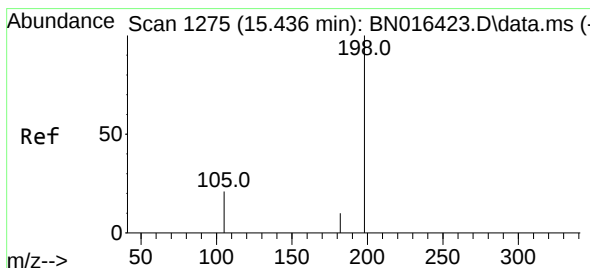
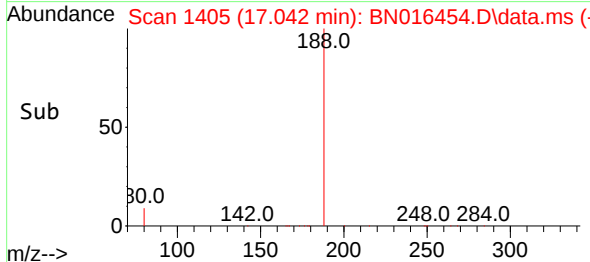
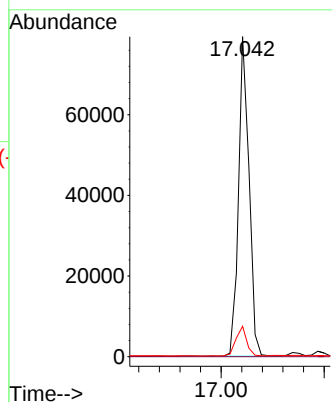
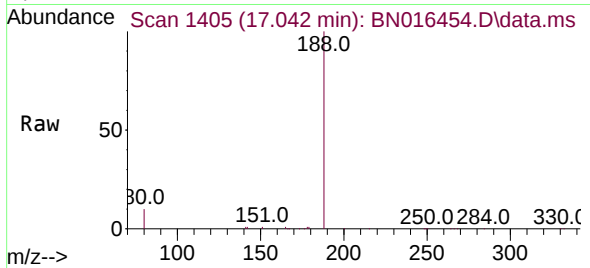




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

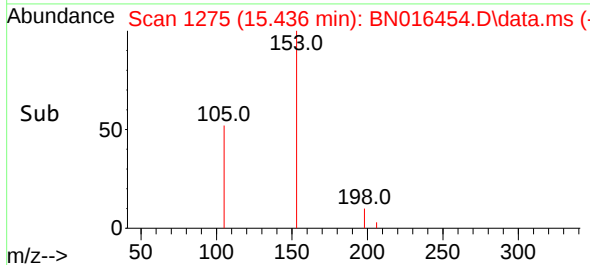
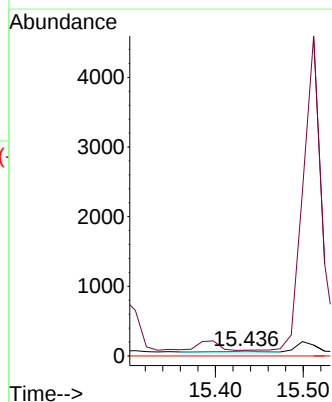
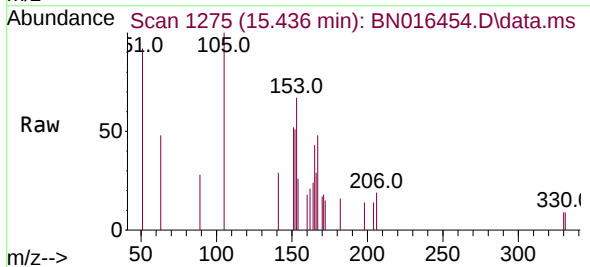
Instrument :
BNA_N
ClientSampleId :

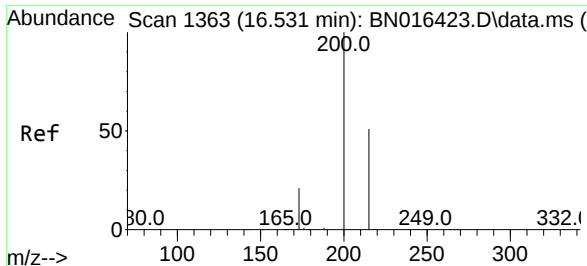
Tgt Ion:188 Resp: 112481
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 7.0 10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.150 ng
RT: 15.436 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:198 Resp: 33
Ion Ratio Lower Upper
198 100
182 117.1 26.6 39.8#
77 0.0 0.0 0.0

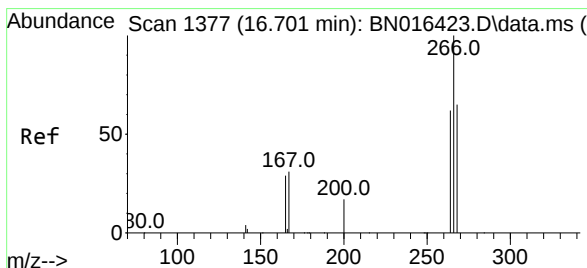
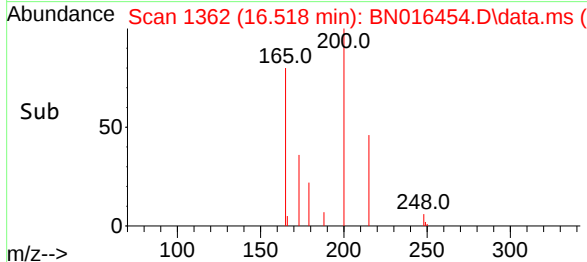
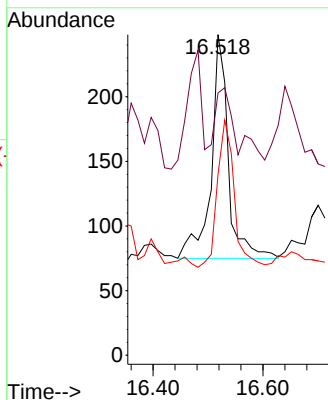
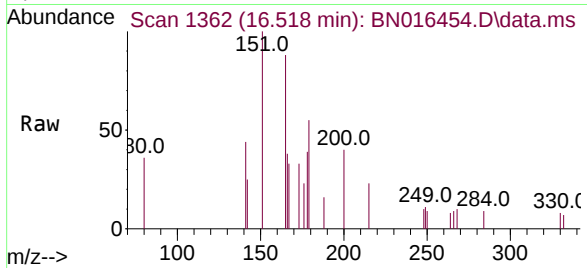




#23
Atrazine
Concen: 0.141 ng
RT: 16.518 min Scan# 1362
Delta R.T. -0.013 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

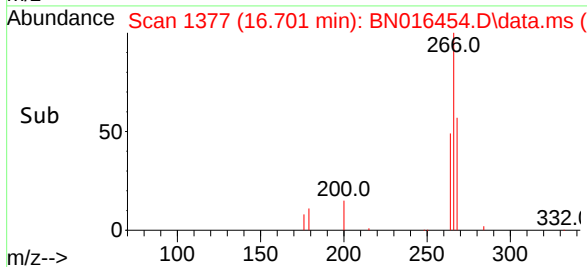
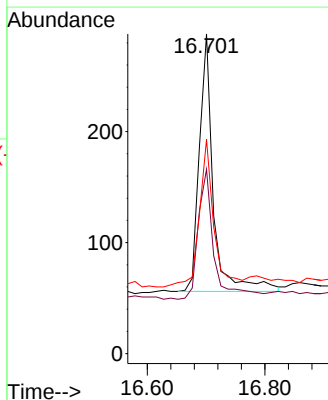
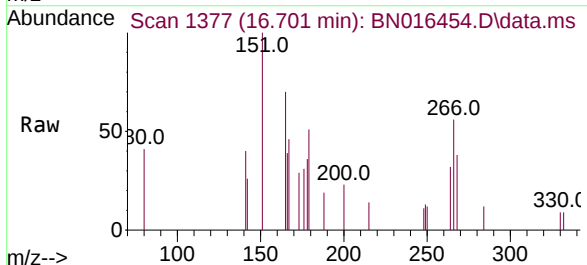
Instrument :
BNA_N
ClientSampleId :

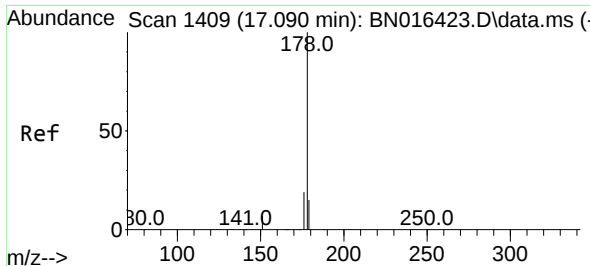
Tgt Ion:200 Resp: 374
Ion Ratio Lower Upper
200 100
173 81.9 18.7 28.1#
215 56.5 41.6 62.4



#24
Pentachlorophenol
Concen: 0.256 ng
RT: 16.701 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:266 Resp: 385
Ion Ratio Lower Upper
266 100
264 57.4 50.6 75.8
268 59.0 52.6 79.0

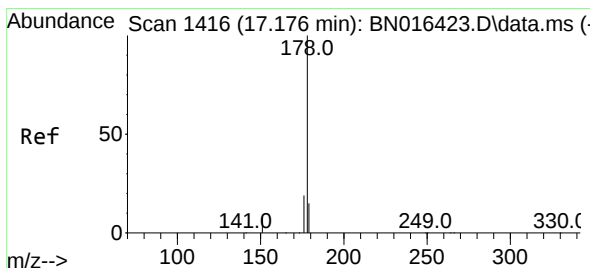
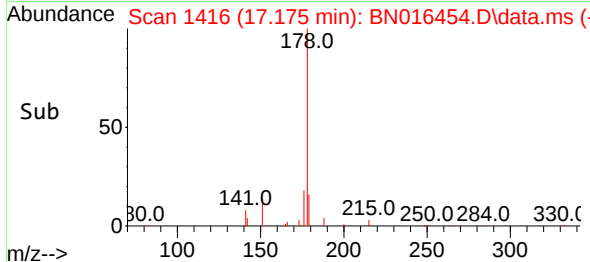
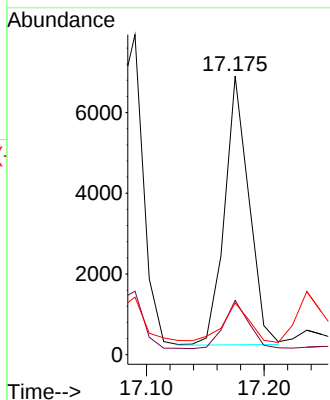
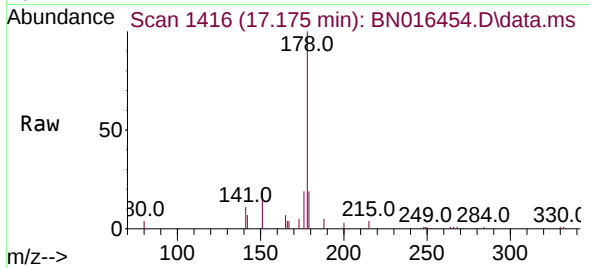




#25
Phenanthrene
Concen: 0.029 ng
RT: 17.175 min Scan# 1416
Delta R.T. 0.085 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

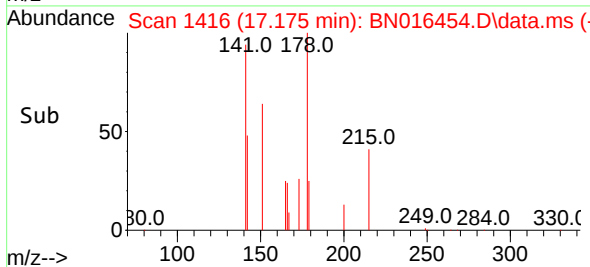
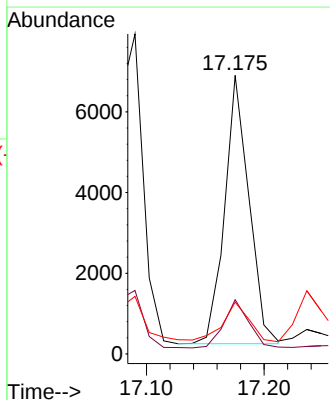
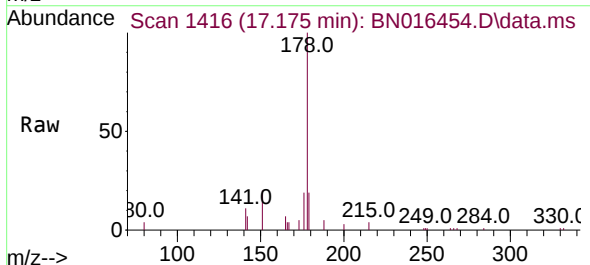
Instrument :
BNA_N
ClientSampled :

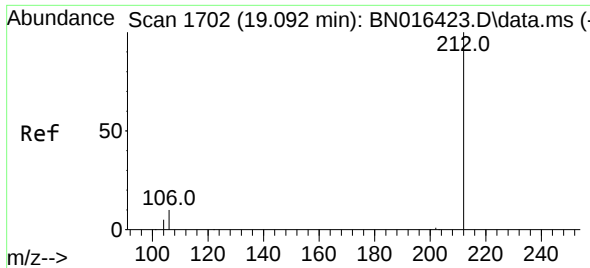
Tgt Ion:178 Resp: 9568
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 16.9 12.2 18.4



#26
Anthracene
Concen: 0.034 ng
RT: 17.175 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:178 Resp: 9527
Ion Ratio Lower Upper
178 100
176 18.6 13.9 20.9
179 15.9 12.2 18.4

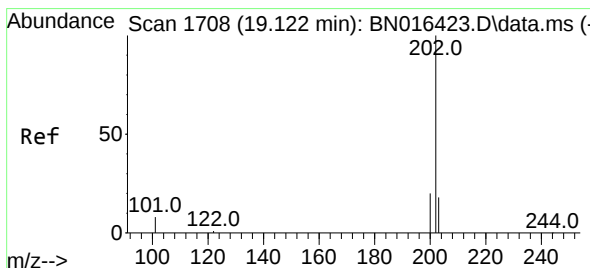
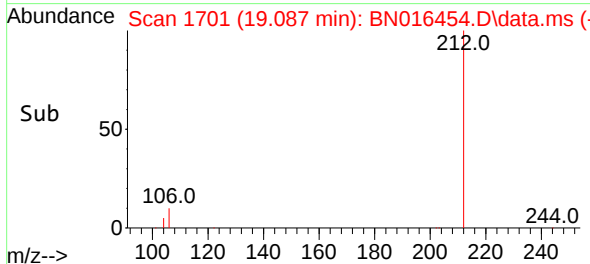
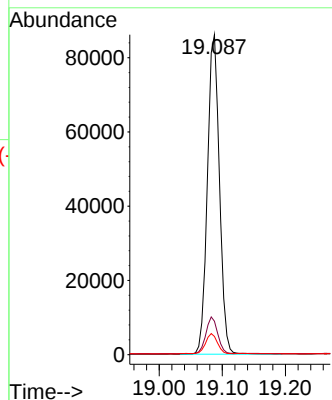
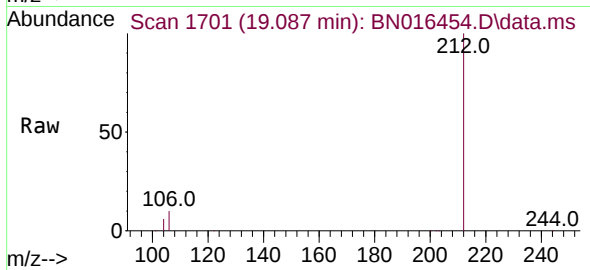




#27
Fluoranthene-d10
Concen: 0.369 ng
RT: 19.087 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

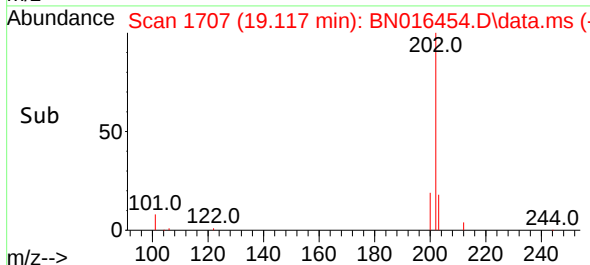
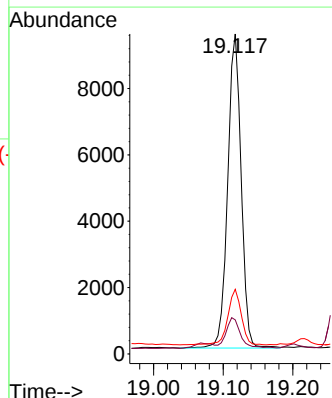
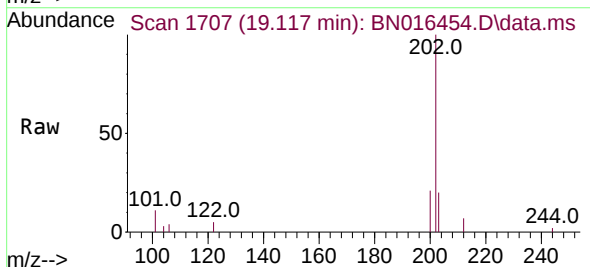
Instrument :
BNA_N
ClientSampleId :

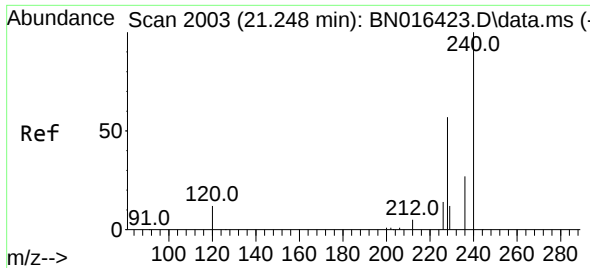
Tgt Ion:212 Resp: 113754
Ion Ratio Lower Upper
212 100
106 11.3 9.8 14.6
104 6.2 5.4 8.2



#28
Fluoranthene
Concen: 0.035 ng
RT: 19.117 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:202 Resp: 12701
Ion Ratio Lower Upper
202 100
101 9.7 8.5 12.7
203 17.7 13.8 20.8

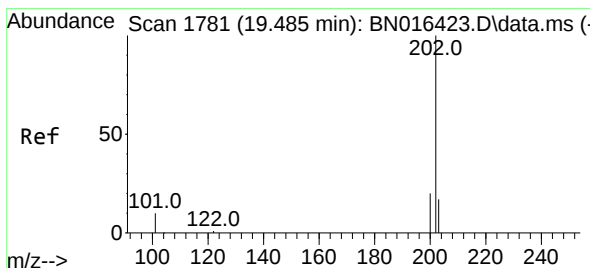
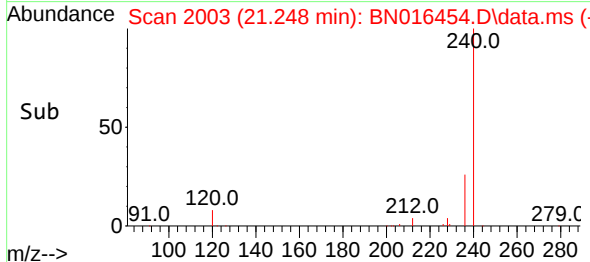
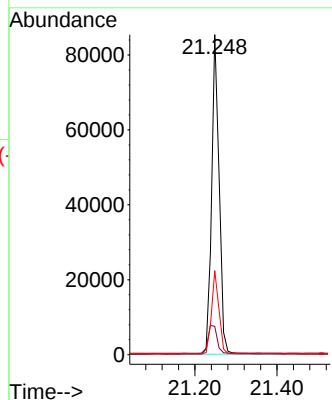
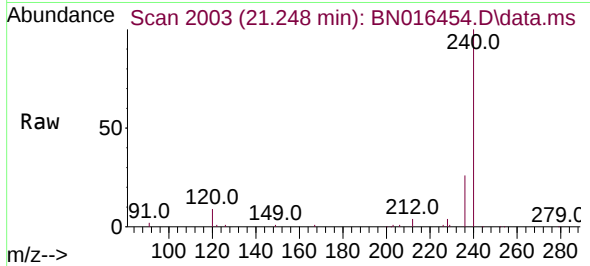




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.248 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

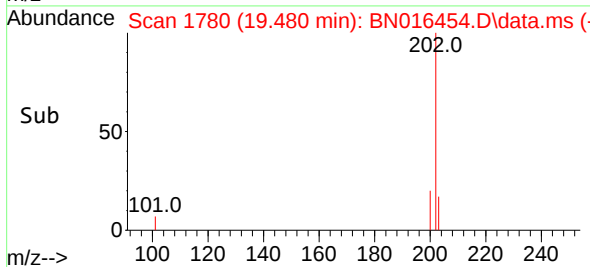
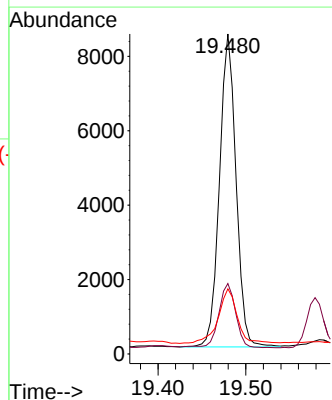
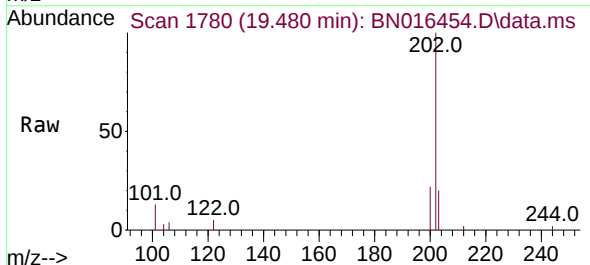
Instrument :
BNA_N
ClientSampleId :

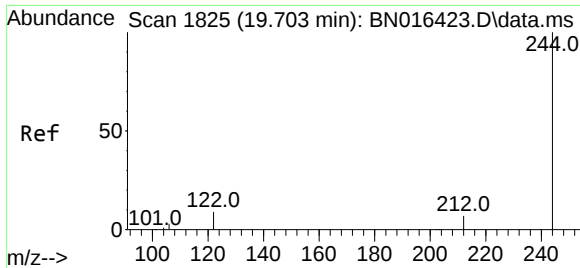
Tgt Ion:240 Resp: 108254
Ion Ratio Lower Upper
240 100
120 8.8 5.3 7.9#
236 26.3 19.8 29.8



#30
Pyrene
Concen: 0.033 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:202 Resp: 11035
Ion Ratio Lower Upper
202 100
200 21.1 15.8 23.6
203 20.2 13.9 20.9

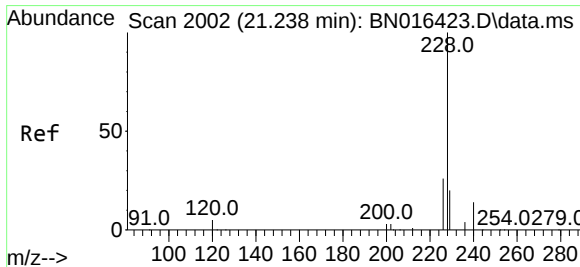
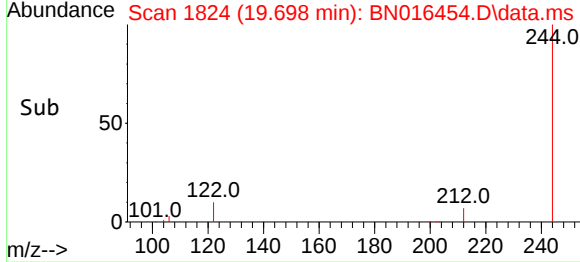
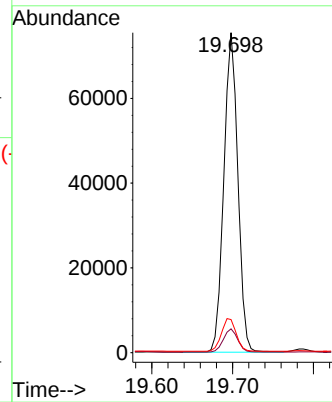
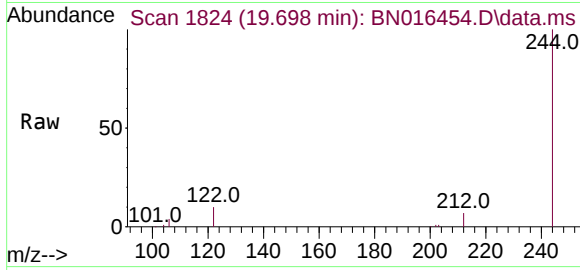




#31
 Terphenyl-d14
 Concen: 0.361 ng
 RT: 19.698 min Scan# 1824
 Delta R.T. -0.005 min
 Lab File: BN016454.D
 Acq: 25 Sep 2021 02:26

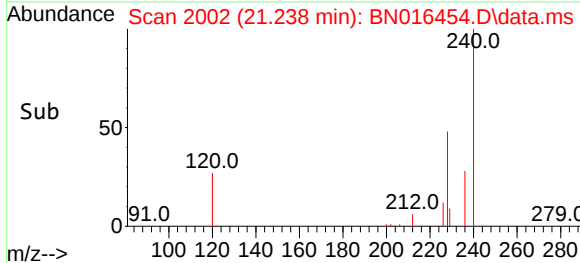
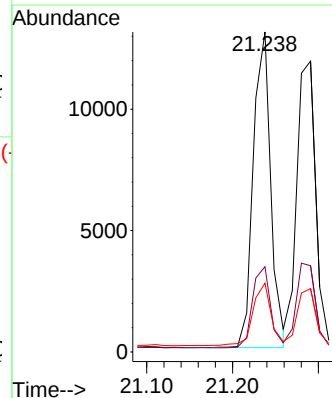
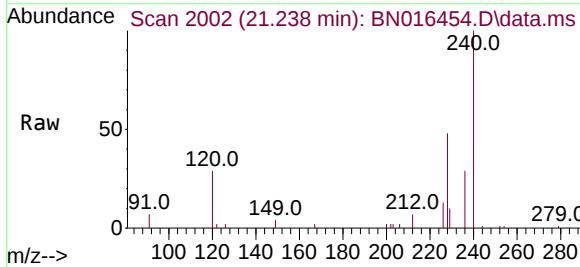
Instrument :
 BNA_N
 ClientSampleId :

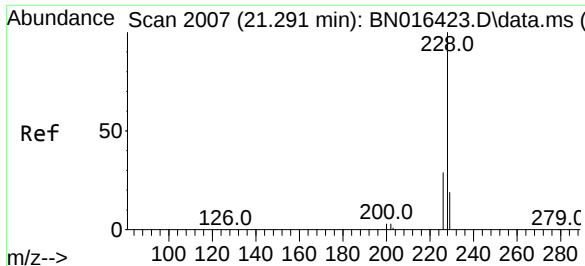
Tgt Ion:244	Resp:	90888
Ion Ratio	Lower	Upper
244	100	
212	7.5	5.5 8.3
122	10.3	9.0 13.4



#32
 Benzo(a)anthracene
 Concen: 0.058 ng
 RT: 21.238 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: BN016454.D
 Acq: 25 Sep 2021 02:26

Tgt Ion:228	Resp:	18332
Ion Ratio	Lower	Upper
228	100	
226	26.7	20.8 31.2
229	21.5	15.8 23.6

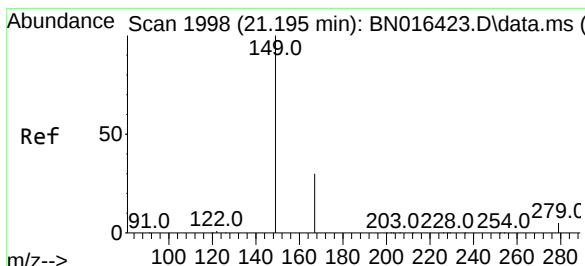
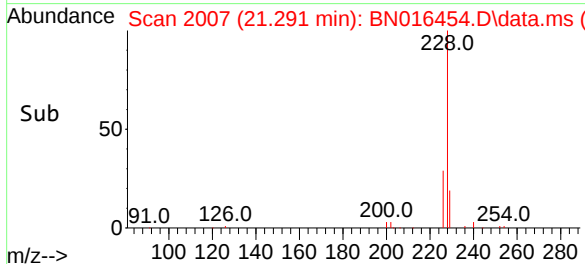
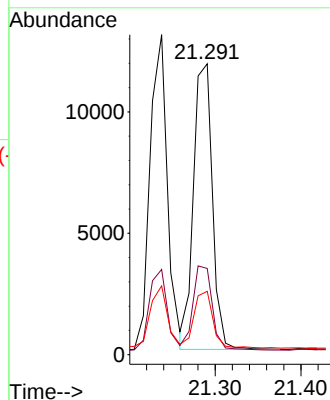
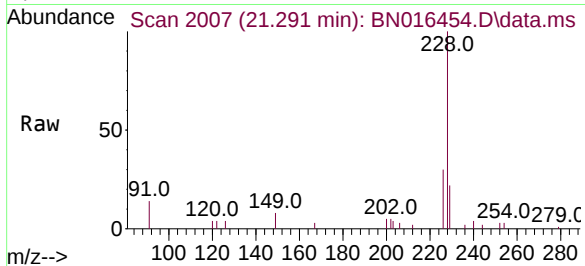




#33
Chrysene
Concen: 0.053 ng
RT: 21.291 min Scan# 2007
Delta R.T. -0.000 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

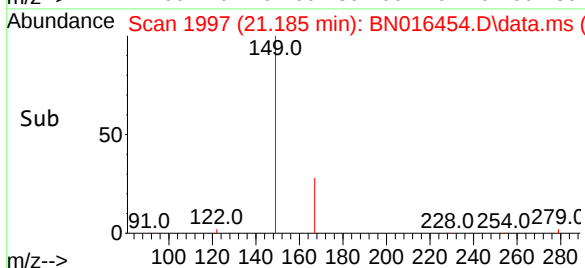
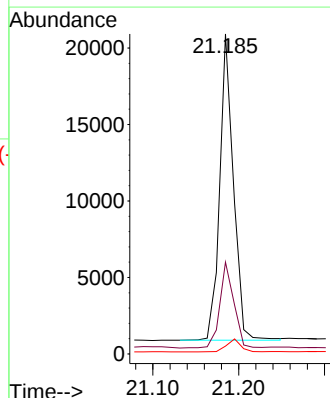
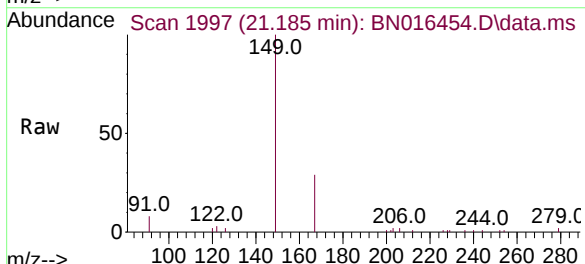
Instrument :
BNA_N
ClientSampleId :

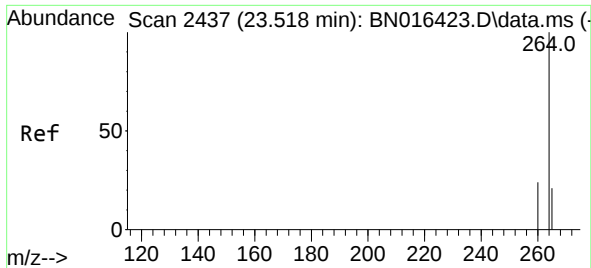
Tgt Ion:228	Resp:	18017
Ion Ratio	Lower	Upper
228	100	
226	29.7	23.0 34.4
229	21.8	15.6 23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.259 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.011 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

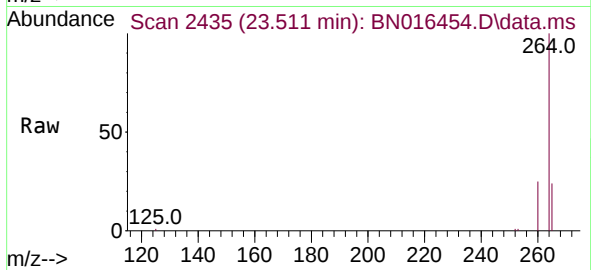
Tgt Ion:149	Resp:	22169
Ion Ratio	Lower	Upper
149	100	
167	28.7	23.4 35.0
279	4.3	3.9 5.9



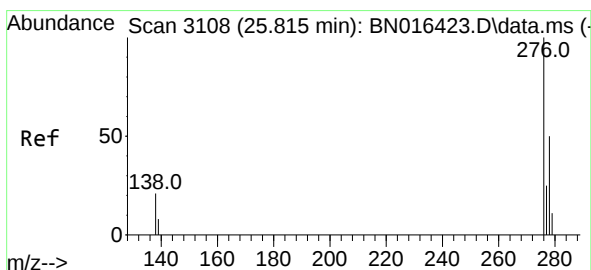
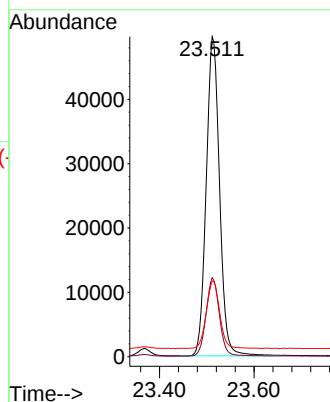
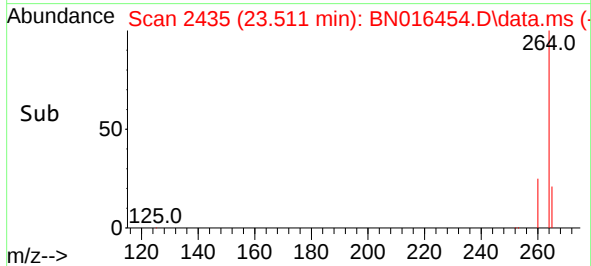


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.511 min Scan# 2435
 Delta R.T. -0.007 min
 Lab File: BN016454.D
 Acq: 25 Sep 2021 02:26

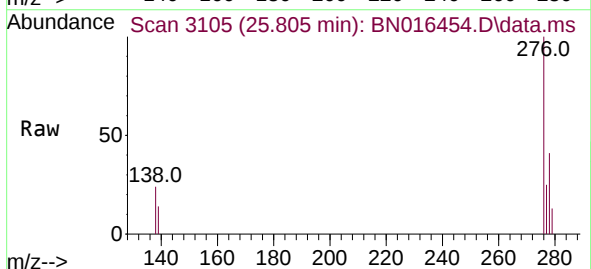
Instrument :
 BNA_N
 ClientSampled :



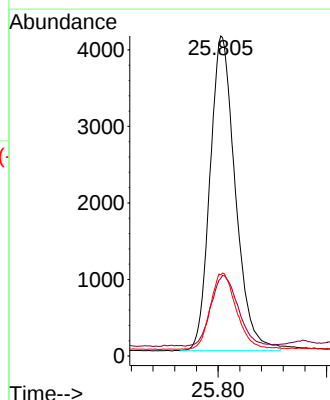
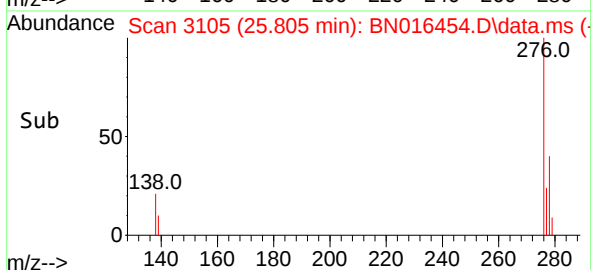
Tgt Ion:264 Resp: 97243
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.9 28.3
 265 23.7 23.7 35.5#

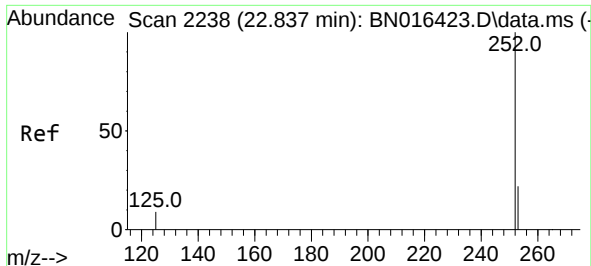


#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.042 ng
 RT: 25.805 min Scan# 3105
 Delta R.T. -0.010 min
 Lab File: BN016454.D
 Acq: 25 Sep 2021 02:26



Tgt Ion:276 Resp: 13319
 Ion Ratio Lower Upper
 276 100
 138 24.2 19.3 28.9
 277 24.9 20.2 30.2

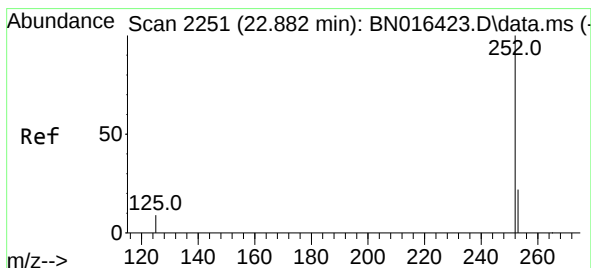
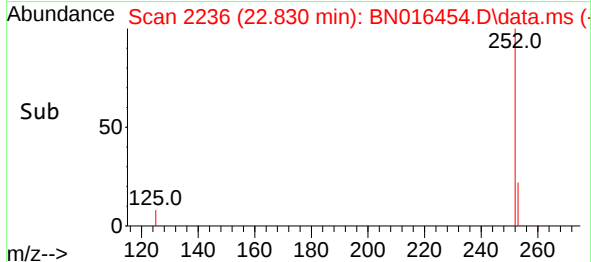
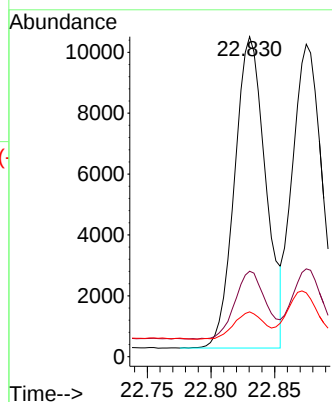
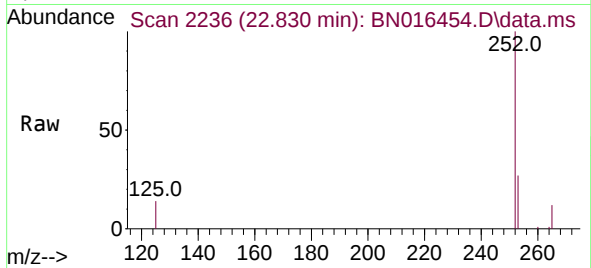




#37
Benzo(b)fluoranthene
Concen: 0.054 ng
RT: 22.830 min Scan# 2236
Delta R.T. -0.007 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

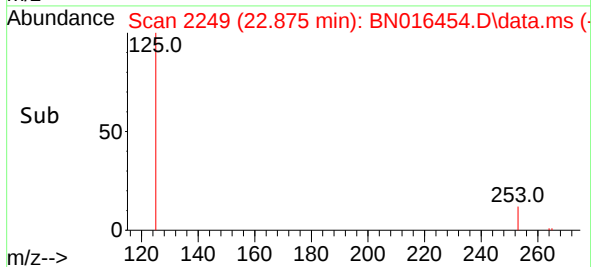
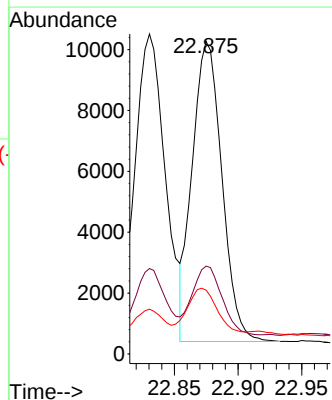
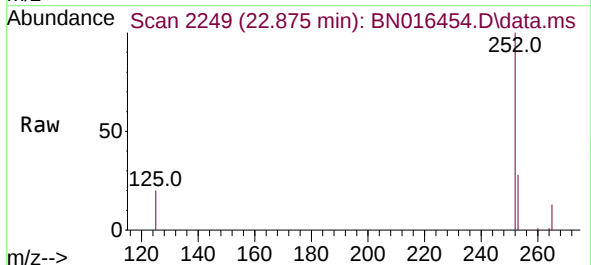
Instrument :
BNA_N
ClientSampleId :

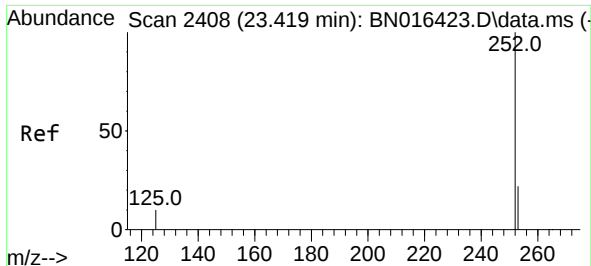
Tgt Ion:252 Resp: 17387
Ion Ratio Lower Upper
252 100
253 26.7 18.2 27.2
125 14.0 8.4 12.6#



#38
Benzo(k)fluoranthene
Concen: 0.051 ng
RT: 22.875 min Scan# 2249
Delta R.T. -0.007 min
Lab File: BN016454.D
Acq: 25 Sep 2021 02:26

Tgt Ion:252 Resp: 15971
Ion Ratio Lower Upper
252 100
253 28.1 18.2 27.2#
125 20.4 8.2 12.4#





#39

Benzo(a)pyrene

Concen: 0.052 ng

RT: 23.412 min Scan# 2406

Delta R.T. -0.007 min

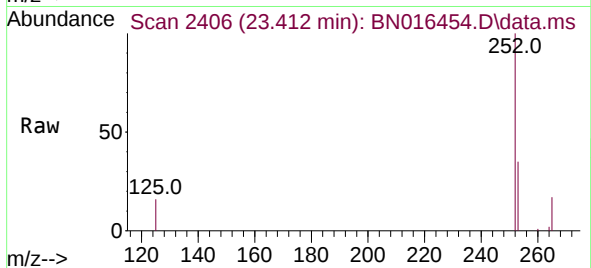
Lab File: BN016454.D

Acq: 25 Sep 2021 02:26

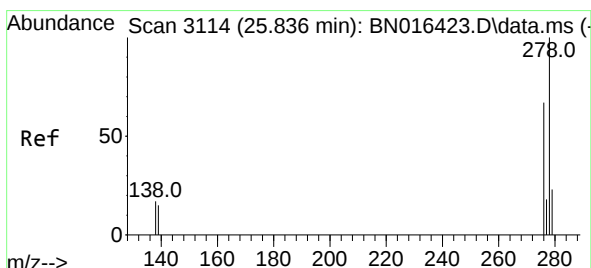
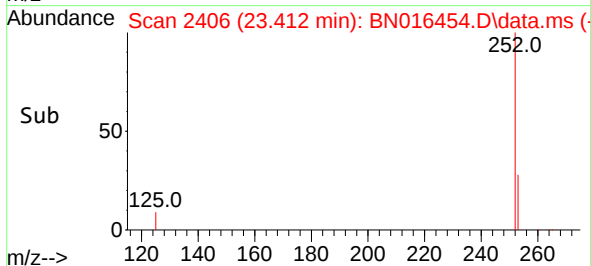
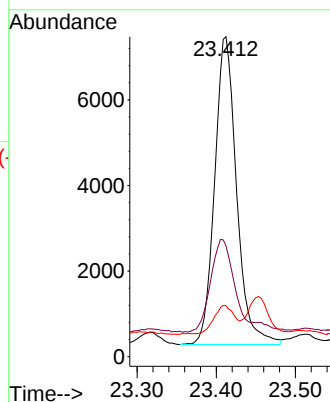
Instrument :

BNA_N

ClientSampled :



Tgt Ion:	252	Resp:	13793
Ion Ratio	Lower	Upper	
252	100		
253	34.6	18.7	28.1#
125	15.9	9.9	14.9#



#40

Dibenzo(a,h)anthracene

Concen: 0.040 ng

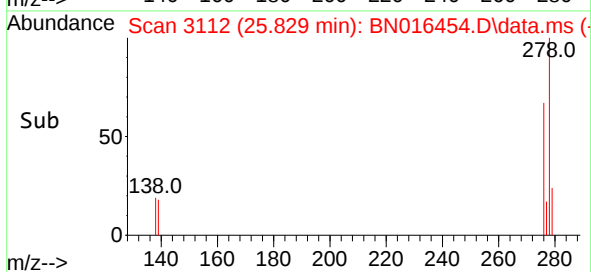
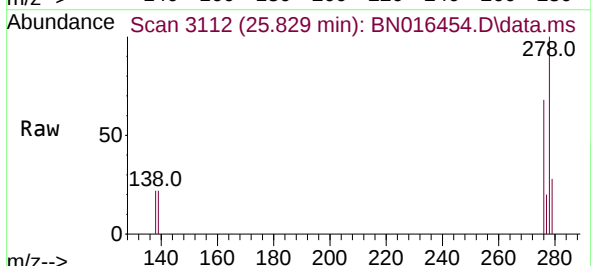
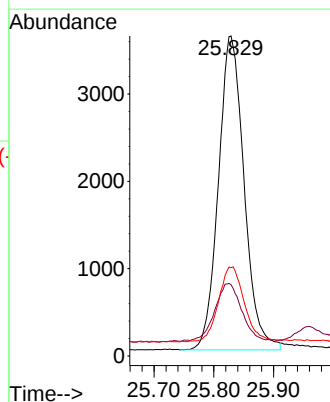
RT: 25.829 min Scan# 3112

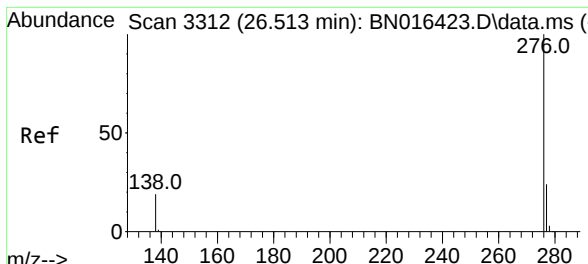
Delta R.T. -0.007 min

Lab File: BN016454.D

Acq: 25 Sep 2021 02:26

Tgt Ion:	278	Resp:	10736
Ion Ratio	Lower	Upper	
278	100		
139	22.3	14.2	21.2#
279	27.6	21.3	31.9





#41
 Benzo(g,h,i)perylene
 Concen: 0.039 ng
 RT: 26.503 min Scan# 3309
 Delta R.T. -0.010 min
 Lab File: BN016454.D
 Acq: 25 Sep 2021 02:26

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:	276	Resp:	10788
Ion Ratio	Lower	Upper	
276	100		
277	25.6	20.5	30.7
138	23.2	18.2	27.4

