

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092421\
 Data File : BN016445.D
 Acq On : 24 Sep 2021 19:48
 Operator : CG/JU
 Sample : M3911-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 25 05:05:53 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

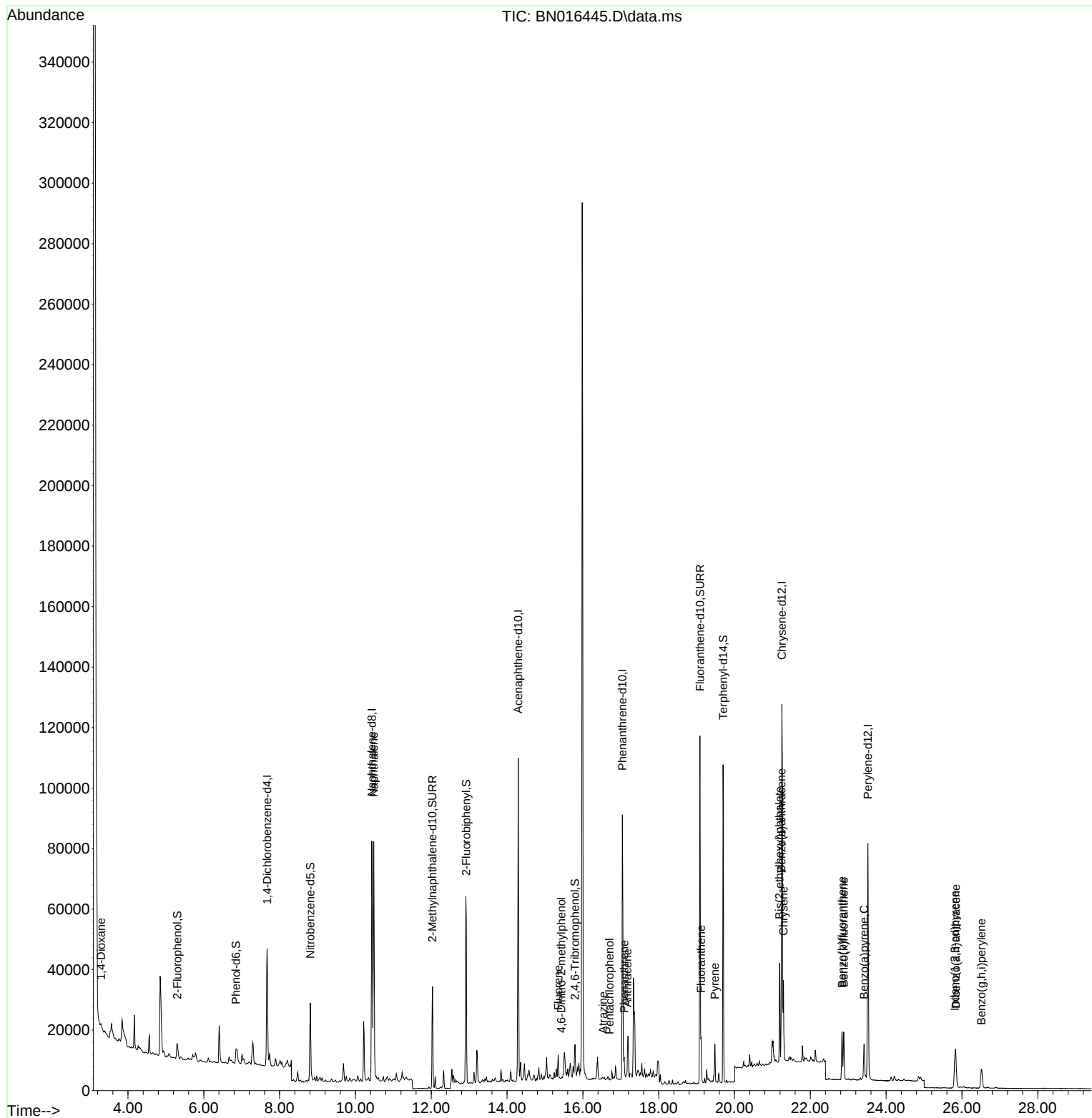
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	23675	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	105332	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	57303	0.400	ng	0.00
19) Phenanthrene-d10	17.042	188	114438	0.400	ng	0.00
29) Chrysene-d12	21.249	240	110857	0.400	ng	# 0.00
35) Perylene-d12	23.519	264	101079	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	6870	0.129	ng	0.02
5) Phenol-d6	6.849	99	4597	0.073	ng	0.00
8) Nitrobenzene-d5	8.810	82	20129	0.270	ng	0.00
11) 2-Methylnaphthalene-d10	12.029	152	45172	0.289	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	6703	0.439	ng	0.00
15) 2-Fluorobiphenyl	12.924	172	58403	0.243	ng	0.00
27) Fluoranthene-d10	19.088	212	129326	0.412	ng	0.00
31) Terphenyl-d14	19.698	244	103847	0.403	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.290	88	513	0.051	ng	# 60
9) Naphthalene	10.483	128	98106	0.349	ng	99
18) Fluorene	15.347	166	4591	0.023	ng	99
20) 4,6-Dinitro-2-methylph...	15.436	198	40	0.150	ng	# 1
23) Atrazine	16.531	200	525	0.143	ng	# 37
24) Pentachlorophenol	16.701	266	241	0.251	ng	# 77
25) Phenanthrene	17.091	178	9188	0.027	ng	98
26) Anthracene	17.176	178	6434	0.023	ng	95
28) Fluoranthene	19.118	202	12964	0.035	ng	99
30) Pyrene	19.480	202	11736	0.034	ng	95
32) Benzo(a)anthracene	21.238	228	20642	0.064	ng	96
33) Chrysene	21.291	228	20837	0.060	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	34797	0.397	ng	99
36) Indeno(1,2,3-cd)pyrene	25.812	276	16959	0.052	ng	100
37) Benzo(b)fluoranthene	22.838	252	20630	0.061	ng	# 90
38) Benzo(k)fluoranthene	22.882	252	19003	0.058	ng	# 84
39) Benzo(a)pyrene	23.416	252	16800	0.061	ng	# 81
40) Dibenzo(a,h)anthracene	25.836	278	13779	0.049	ng	# 94
41) Benzo(g,h,i)perylene	26.510	276	13713	0.048	ng	100

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

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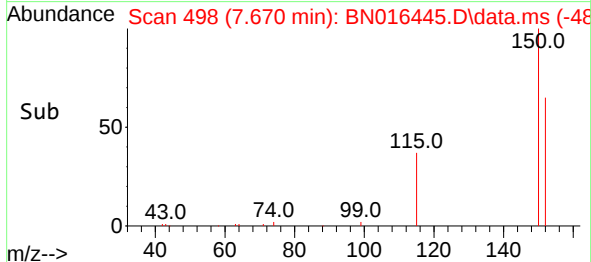
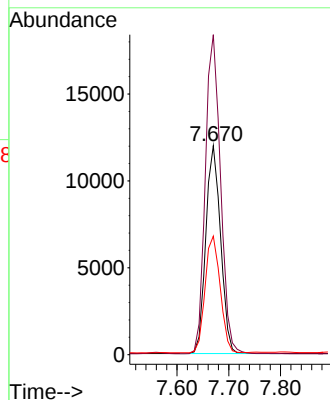
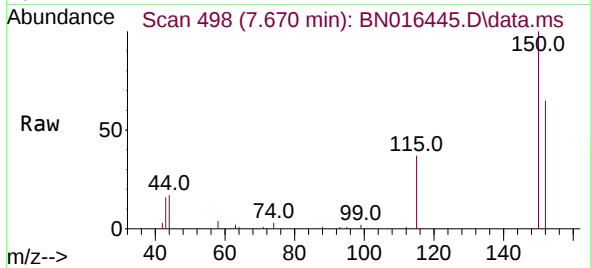




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. 0.000 min
 Lab File: BN016445.D
 Acq: 24 Sep 2021 19:48

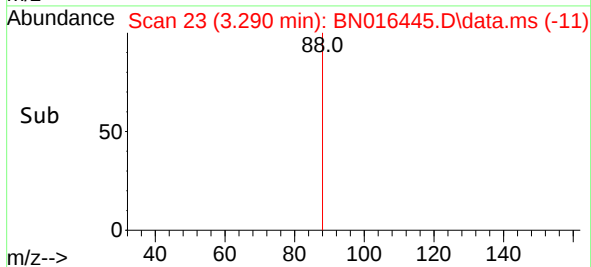
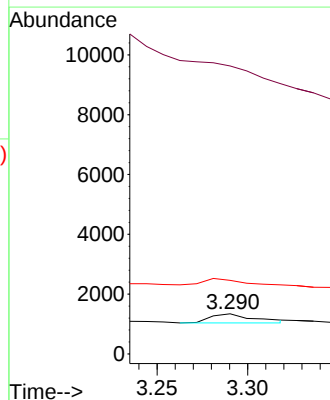
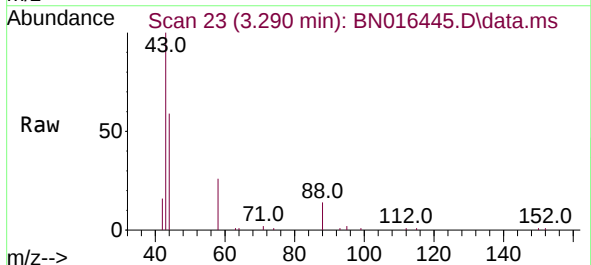
Instrument :
 BNA_N
 ClientSampleId :

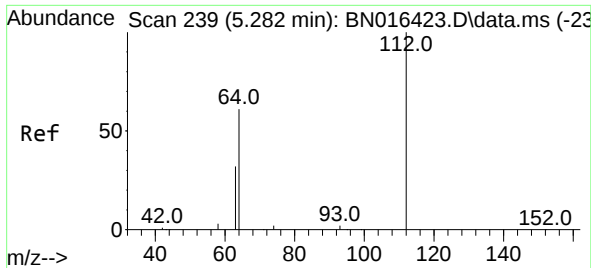
Tgt Ion:152 Resp: 23675
 Ion Ratio Lower Upper
 152 100
 150 153.1 125.6 188.4
 115 56.7 50.2 75.2



#2
 1,4-Dioxane
 Concen: 0.051 ng
 RT: 3.290 min Scan# 23
 Delta R.T. 0.009 min
 Lab File: BN016445.D
 Acq: 24 Sep 2021 19:48

Tgt Ion: 88 Resp: 513
 Ion Ratio Lower Upper
 88 100
 43 0.0 20.3 30.5#
 58 52.8 69.9 104.9#

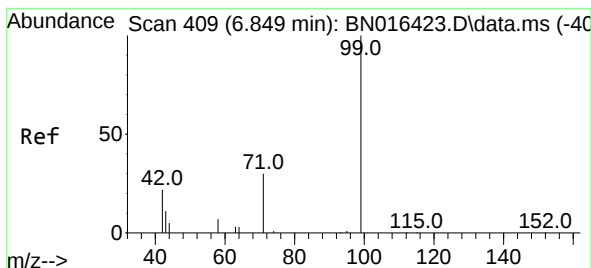
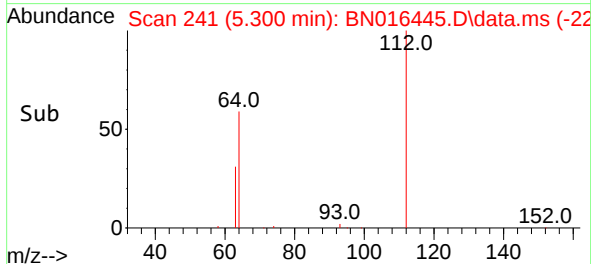
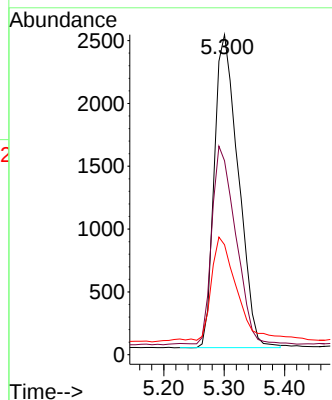
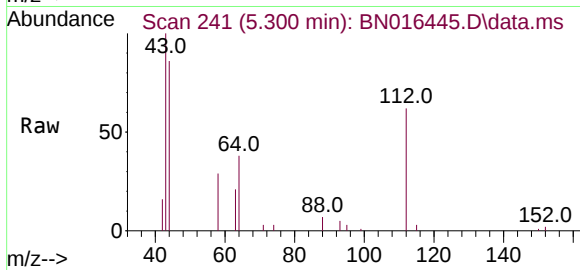




#4
2-Fluorophenol
Concen: 0.129 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.019 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

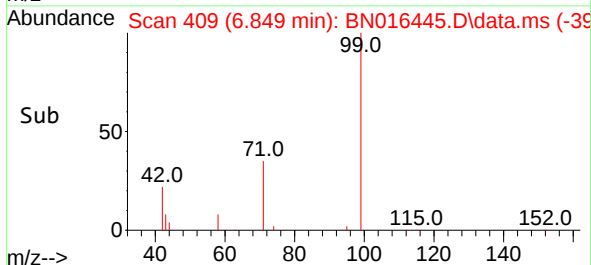
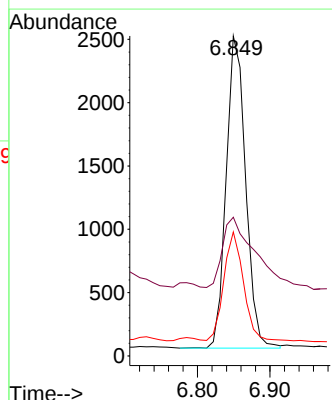
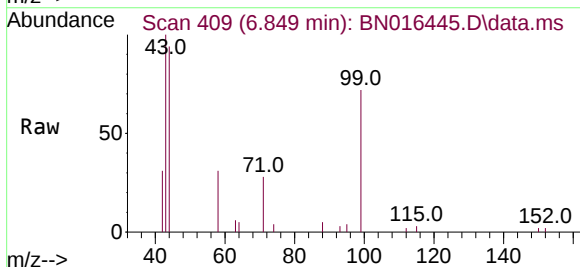
Instrument :
BNA_N
ClientSampleId :

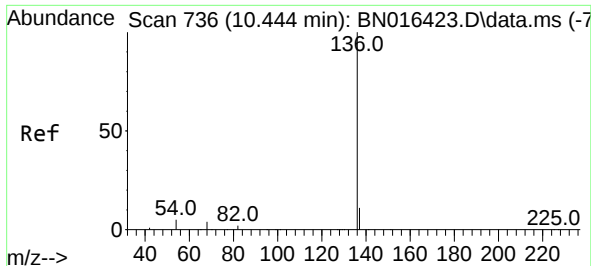
Tgt Ion:	112	Resp:	6870
Ion Ratio	Lower	Upper	
112	100		
64	62.3	47.3	70.9
63	33.6	23.4	35.0



#5
Phenol-d6
Concen: 0.073 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:	99	Resp:	4597
Ion Ratio	Lower	Upper	
99	100		
42	35.8	14.0	21.0#
71	34.8	23.8	35.6

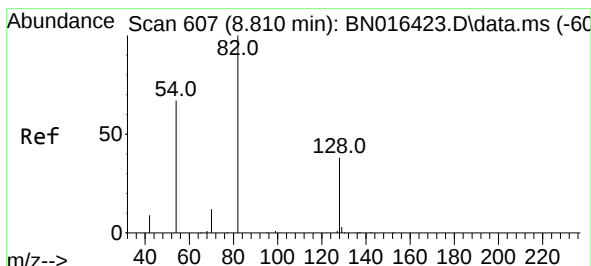
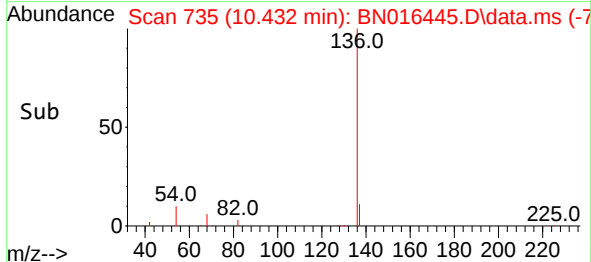
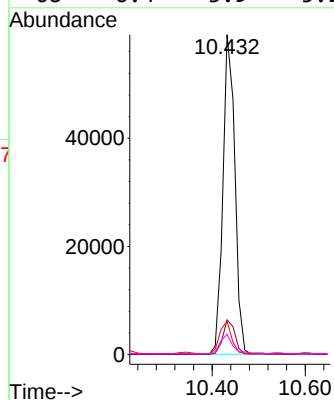
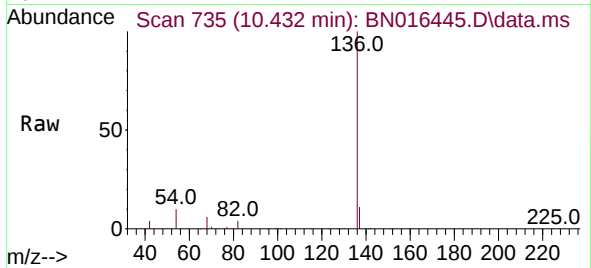




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

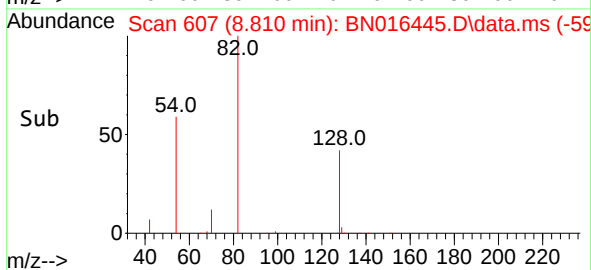
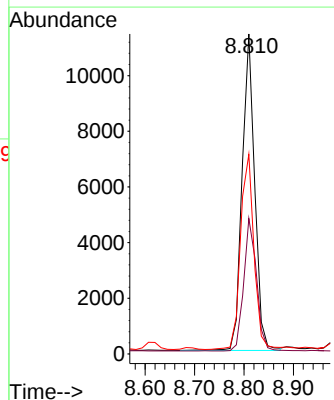
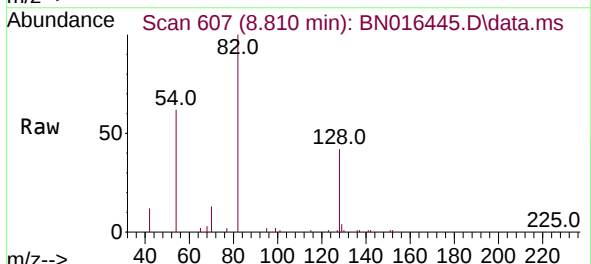
Instrument :
BNA_N
ClientSampleId :

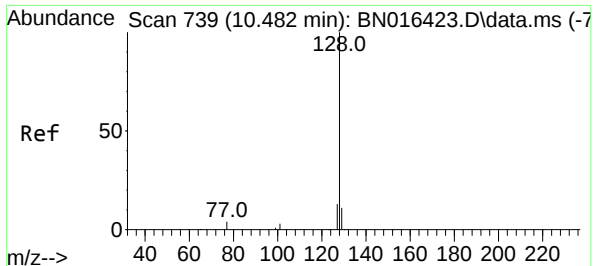
Tgt Ion:	136	Resp:	105332
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	10.5	5.3	7.9#
68	6.4	3.9	5.9#



#8
Nitrobenzene-d5
Concen: 0.270 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:	82	Resp:	20129
Ion Ratio	Lower	Upper	
82	100		
128	42.3	31.7	47.5
54	62.4	46.4	69.6

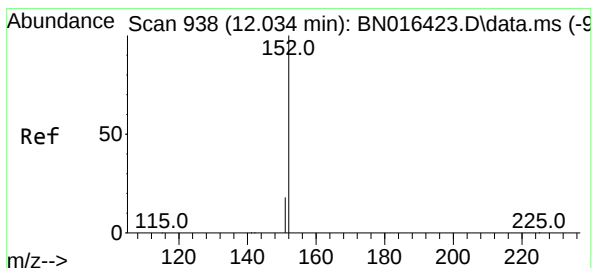
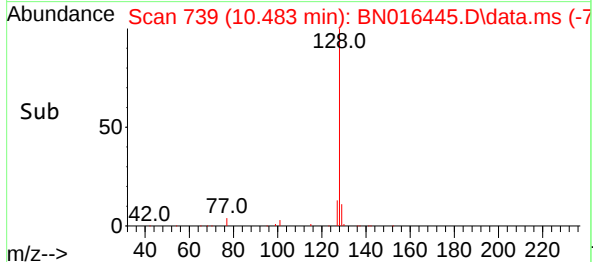
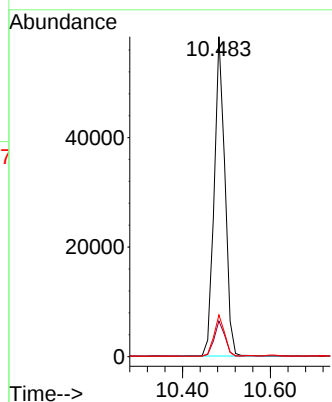
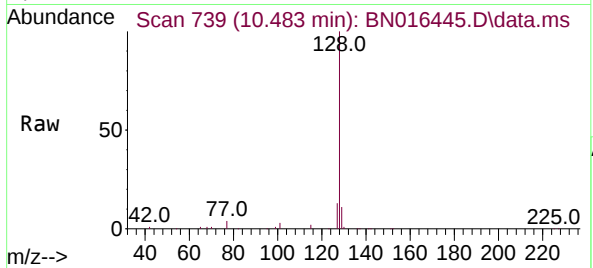




#9
Naphthalene
Concen: 0.349 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

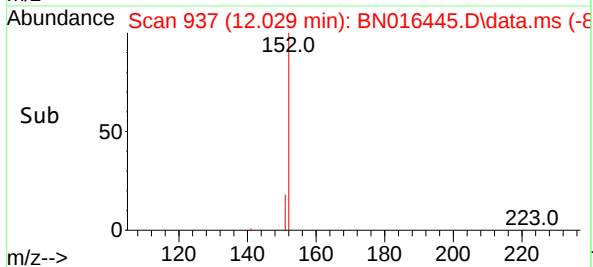
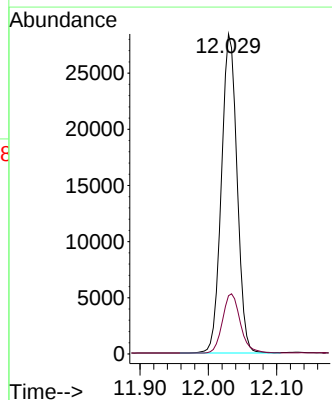
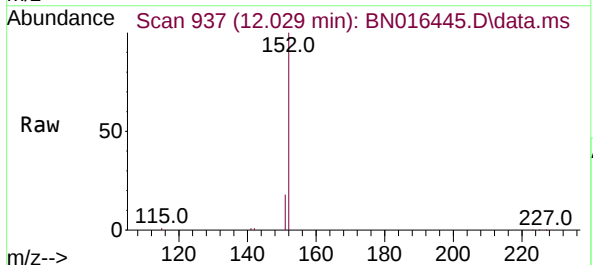
Instrument :
BNA_N
ClientSampleId :

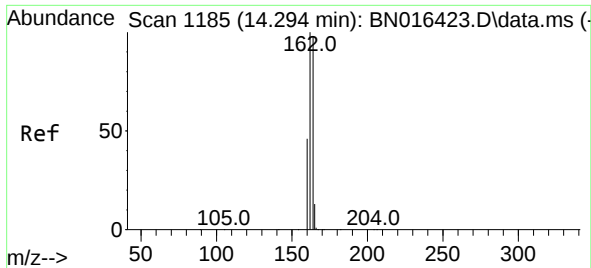
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	13.1	10.1	15.1



#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.029 min Scan# 937
Delta R.T. -0.004 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.1	24.1

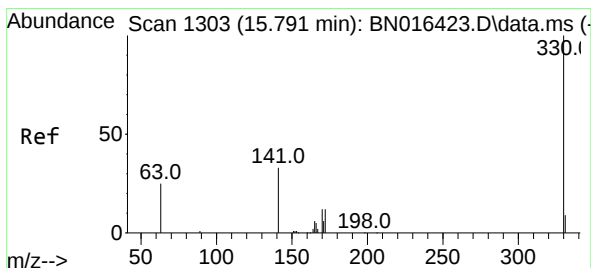
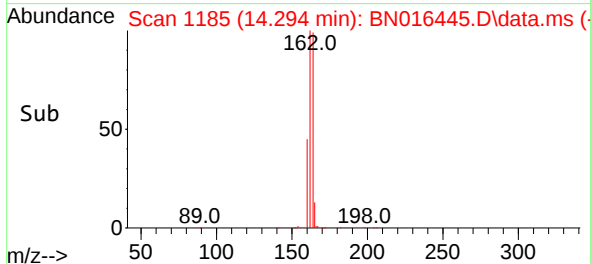
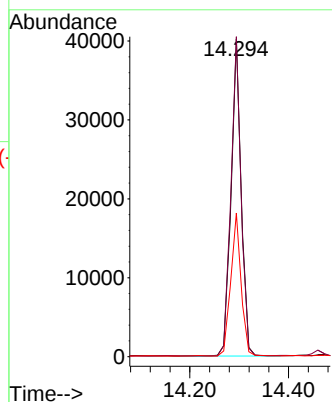
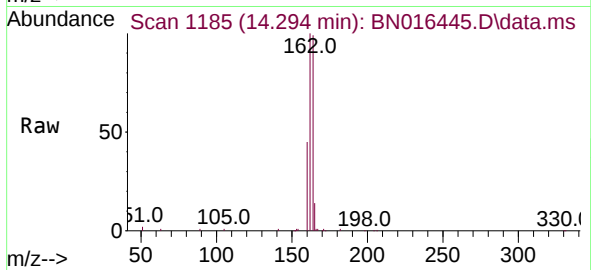




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

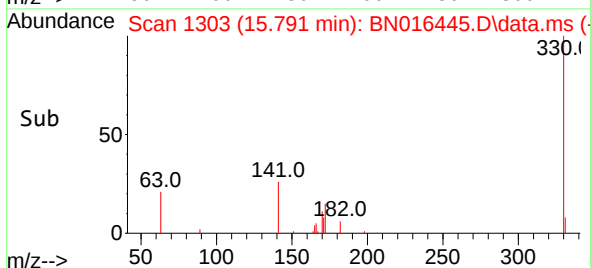
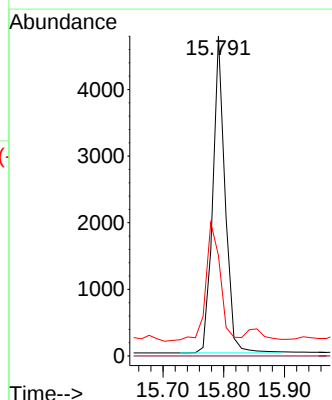
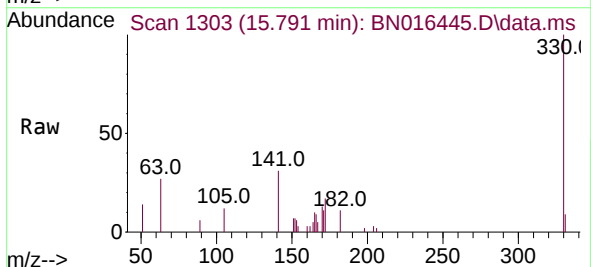
Instrument :
BNA_N
ClientSampleId :

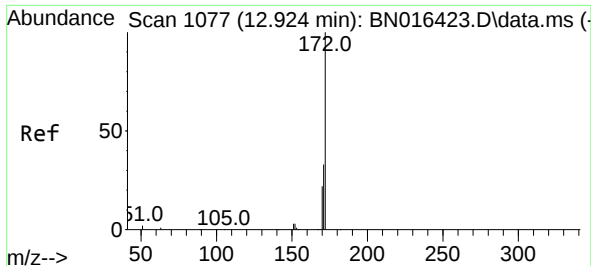
Tgt Ion:164 Resp: 57303
Ion Ratio Lower Upper
164 100
162 100.7 79.0 118.4
160 45.2 34.1 51.1



#14
2,4,6-Tribromophenol
Concen: 0.439 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:330 Resp: 6703
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 43.0 25.0 37.4#

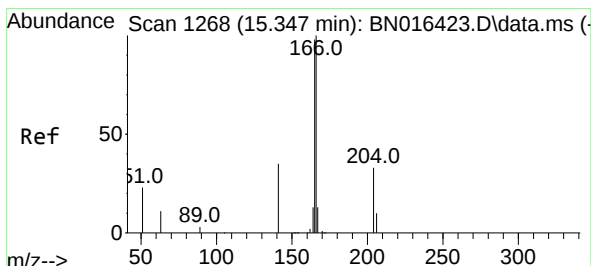
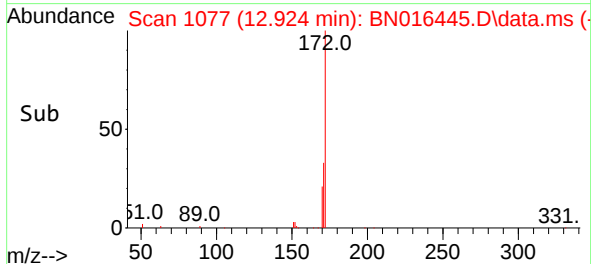
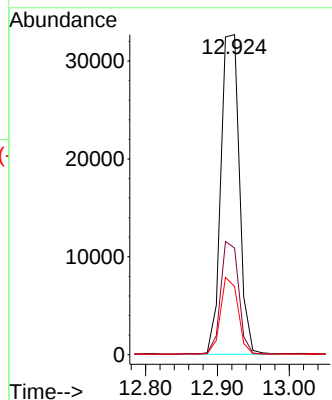
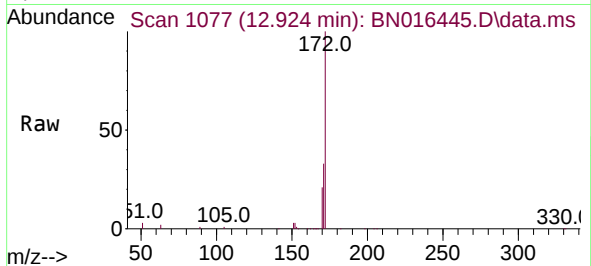




#15
2-Fluorobiphenyl
Concen: 0.243 ng
RT: 12.924 min Scan# 1077
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

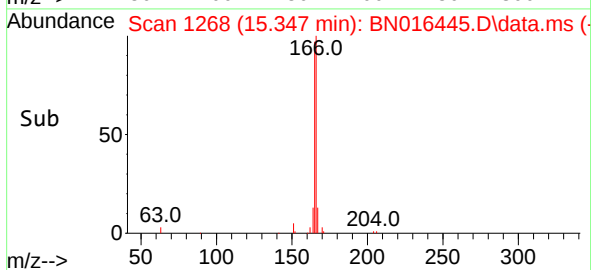
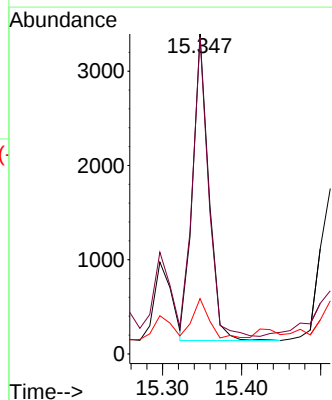
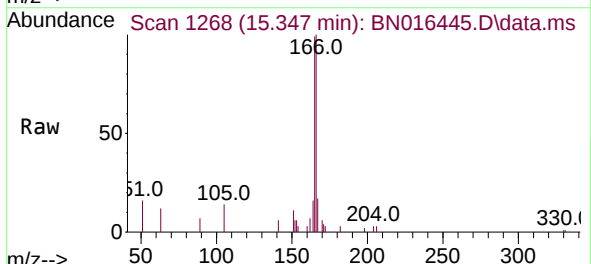
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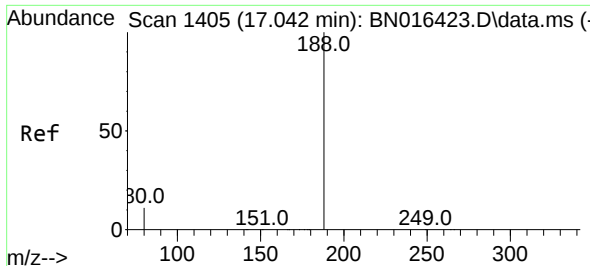
Tgt Ion:172 Resp: 58403
Ion Ratio Lower Upper
172 100
171 33.3 27.8 41.6
170 21.3 18.2 27.2



#18
Fluorene
Concen: 0.023 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:166 Resp: 4591
Ion Ratio Lower Upper
166 100
165 96.7 76.7 115.1
167 12.5 10.9 16.3

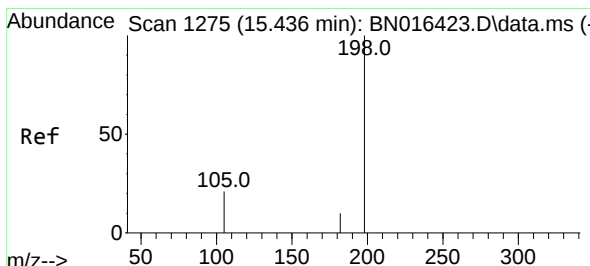
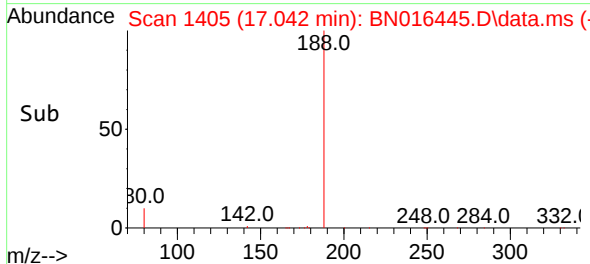
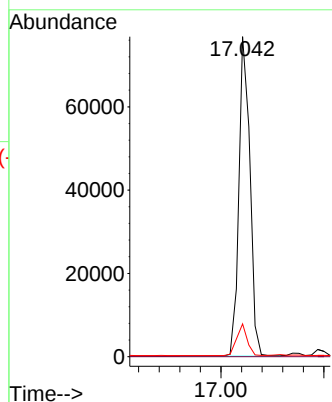
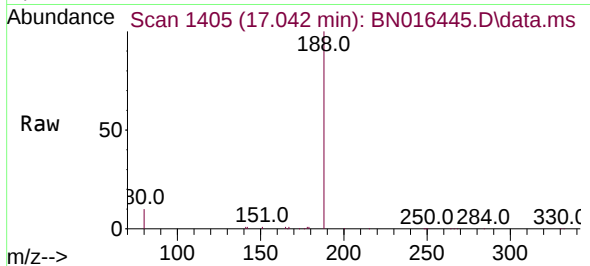




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

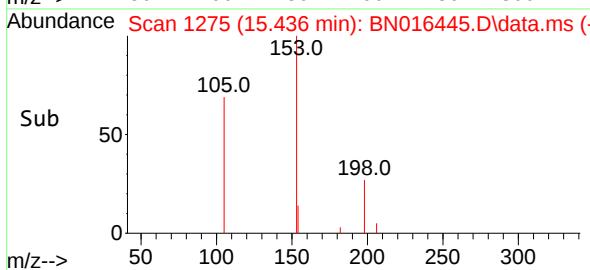
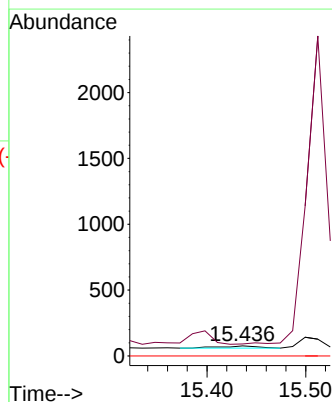
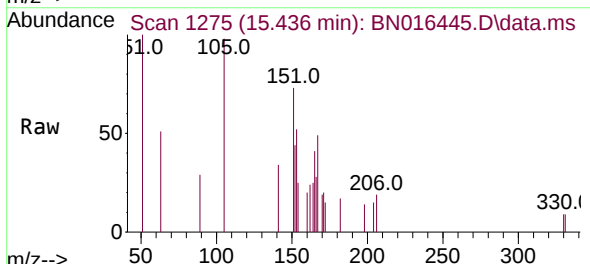
Instrument :
BNA_N
ClientSampled :

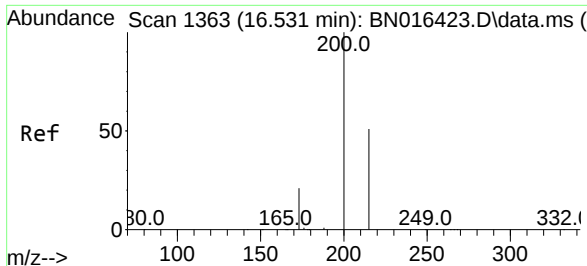
Tgt Ion:188 Resp: 114438
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.3 7.0 10.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.150 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:198 Resp: 40
Ion Ratio Lower Upper
198 100
182 119.7 26.6 39.8#
77 0.0 0.0 0.0

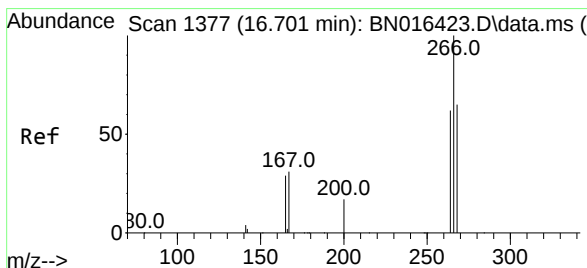
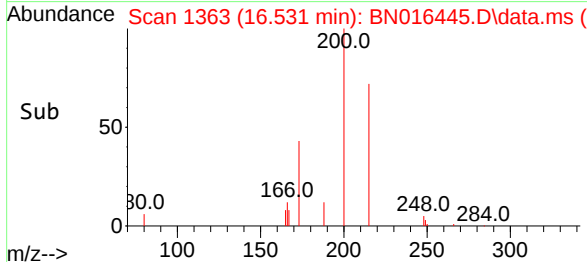
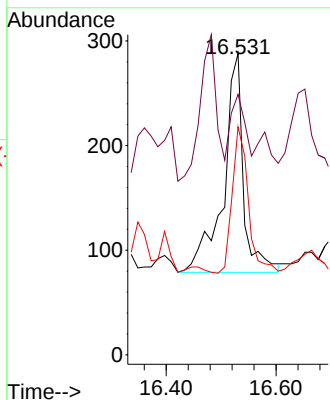
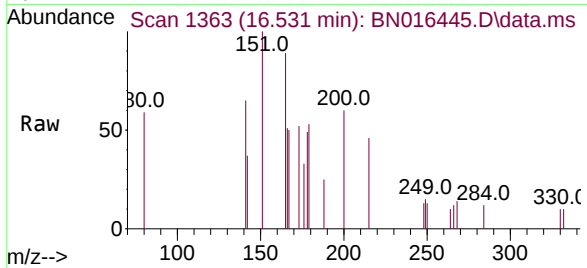




#23
Atrazine
Concen: 0.143 ng
RT: 16.531 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

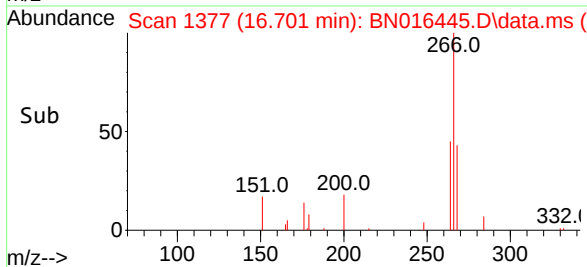
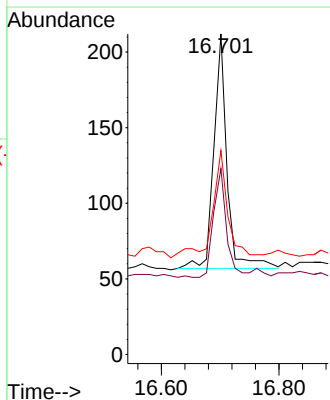
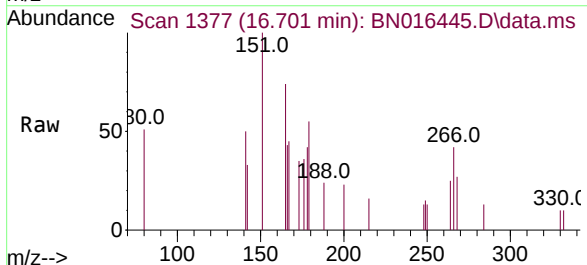
Instrument :
BNA_N
ClientSampleId :

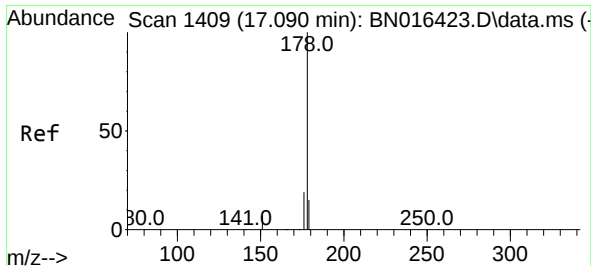
Tgt Ion:200 Resp: 525
Ion Ratio Lower Upper
200 100
173 86.5 18.7 28.1#
215 75.7 41.6 62.4#



#24
Pentachlorophenol
Concen: 0.251 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:266 Resp: 241
Ion Ratio Lower Upper
266 100
264 46.1 50.6 75.8#
268 46.1 52.6 79.0#

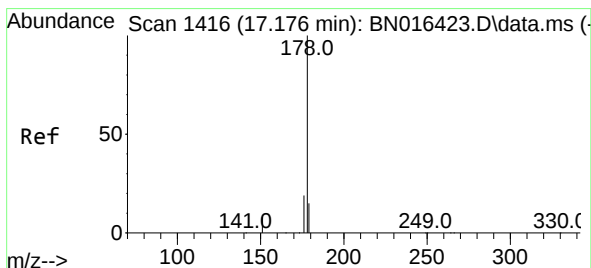
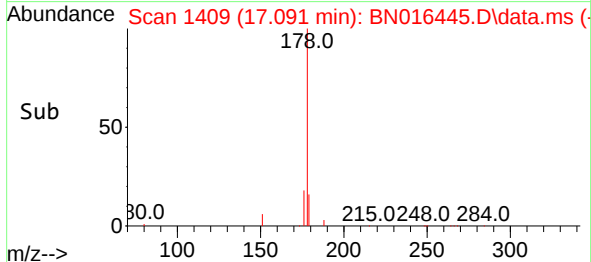
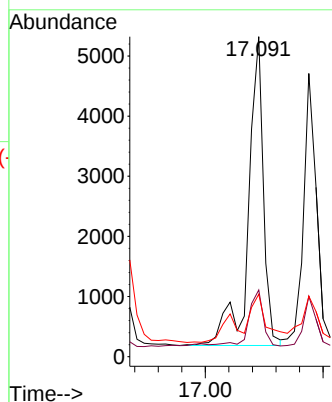
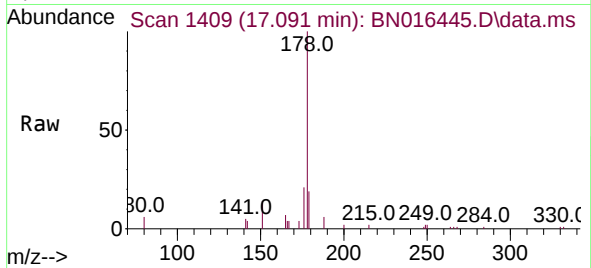




#25
Phenanthrene
Concen: 0.027 ng
RT: 17.091 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

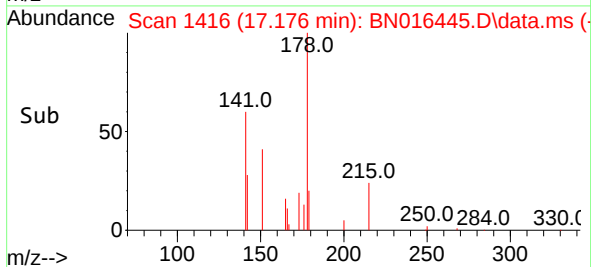
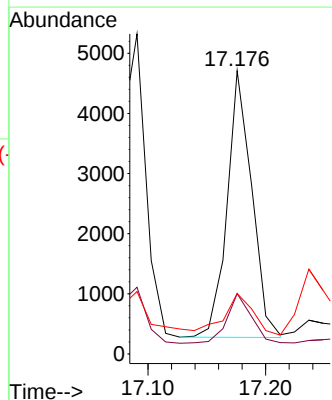
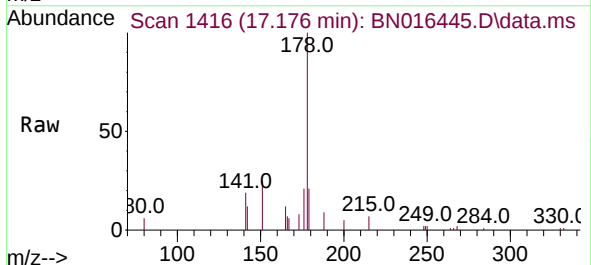
Instrument :
BNA_N
ClientSampled :

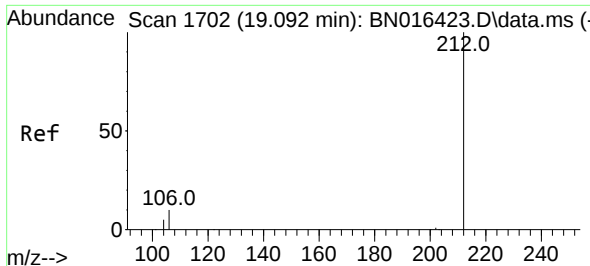
Tgt Ion:178 Resp: 9188
Ion Ratio Lower Upper
178 100
176 17.1 14.4 21.6
179 14.5 12.2 18.4



#26
Anthracene
Concen: 0.023 ng
RT: 17.176 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:178 Resp: 6434
Ion Ratio Lower Upper
178 100
176 18.6 13.9 20.9
179 18.3 12.2 18.4

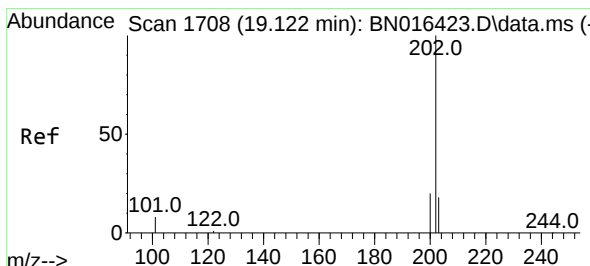
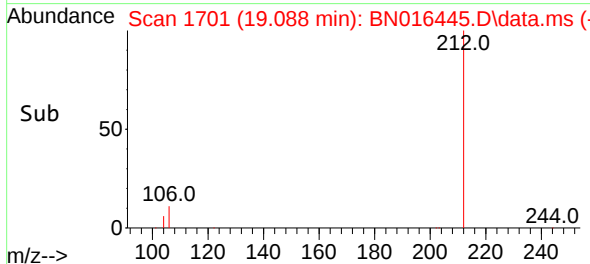
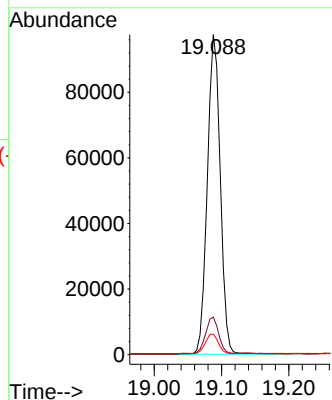
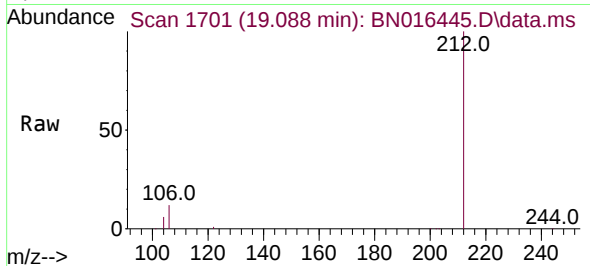




#27
Fluoranthene-d10
Concen: 0.412 ng
RT: 19.088 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

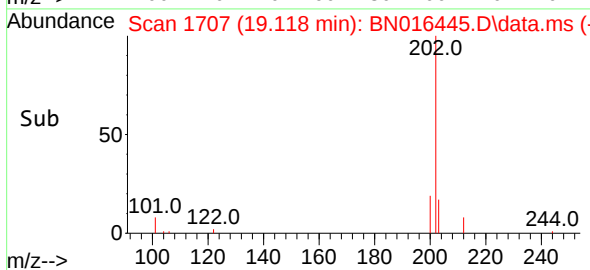
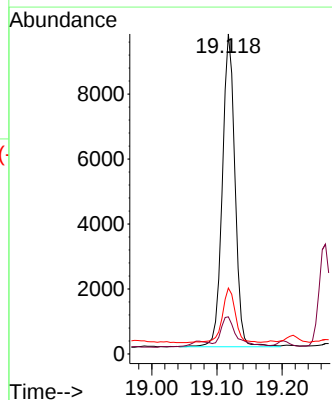
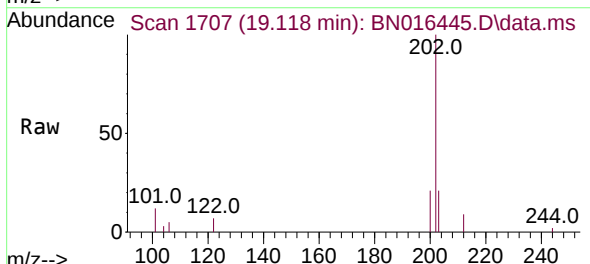
Instrument :
BNA_N
ClientSampleId :

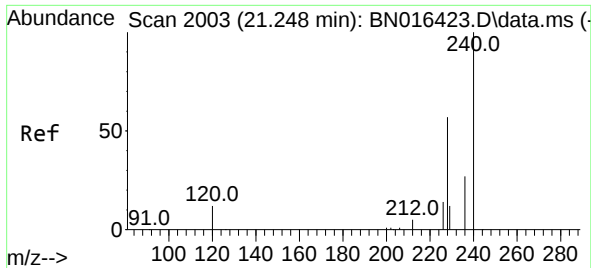
Tgt Ion:212 Resp: 129326
Ion Ratio Lower Upper
212 100
106 11.5 9.8 14.6
104 6.3 5.4 8.2



#28
Fluoranthene
Concen: 0.035 ng
RT: 19.118 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:202 Resp: 12964
Ion Ratio Lower Upper
202 100
101 10.3 8.5 12.7
203 18.1 13.8 20.8

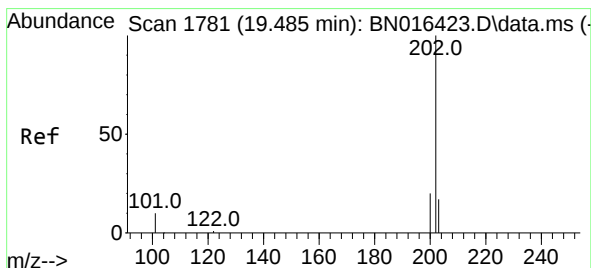
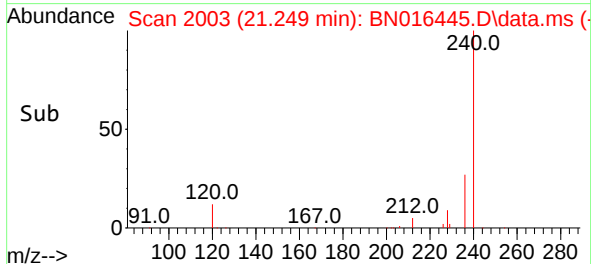
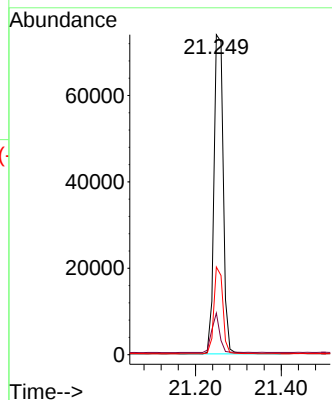
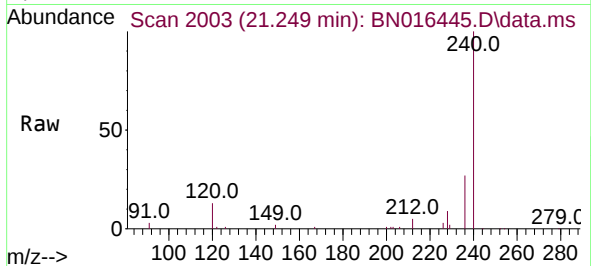




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

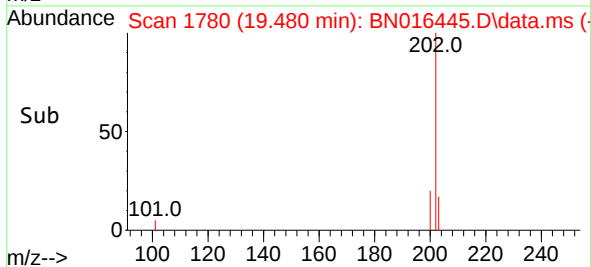
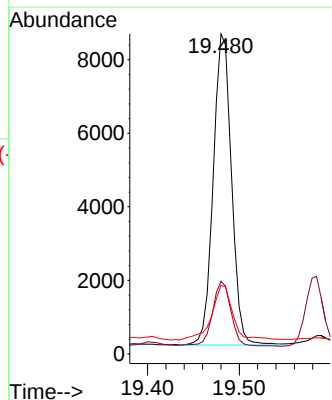
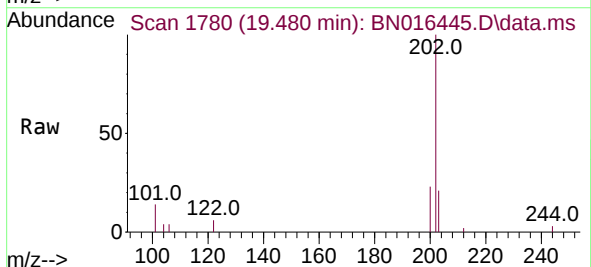
Instrument :
BNA_N
ClientSampleId :

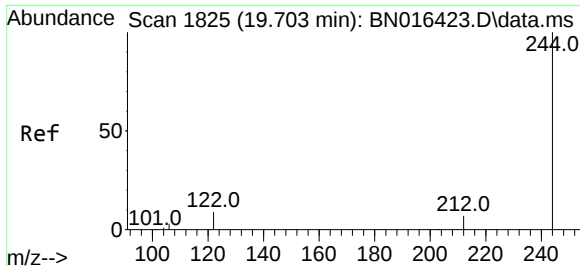
Tgt Ion:240 Resp: 110857
Ion Ratio Lower Upper
240 100
120 13.0 5.3 7.9#
236 27.4 19.8 29.8



#30
Pyrene
Concen: 0.034 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:202 Resp: 11736
Ion Ratio Lower Upper
202 100
200 21.2 15.8 23.6
203 20.4 13.9 20.9

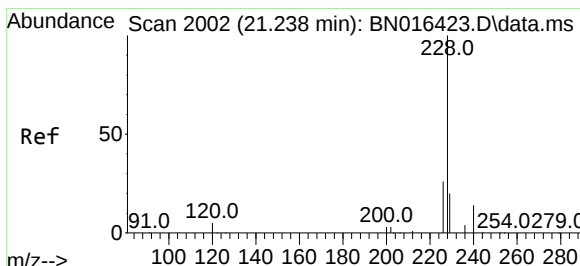
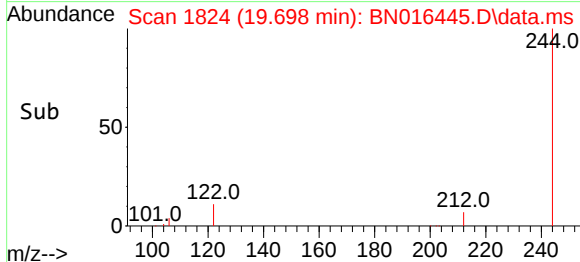
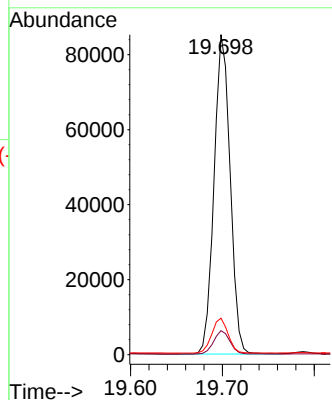
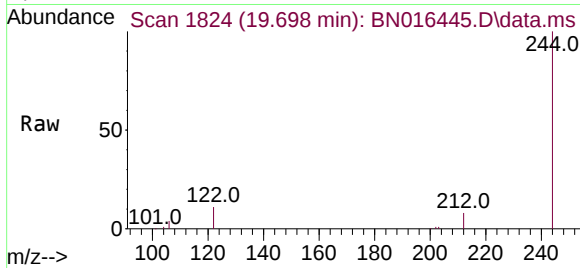




#31
Terphenyl-d14
Concen: 0.403 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

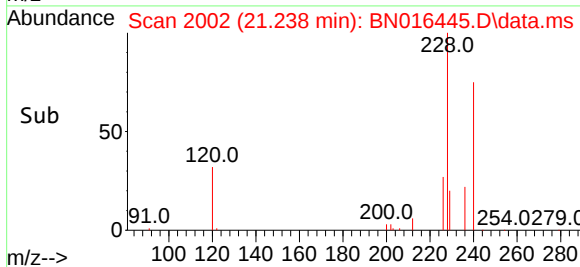
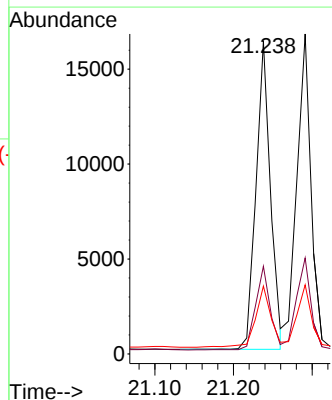
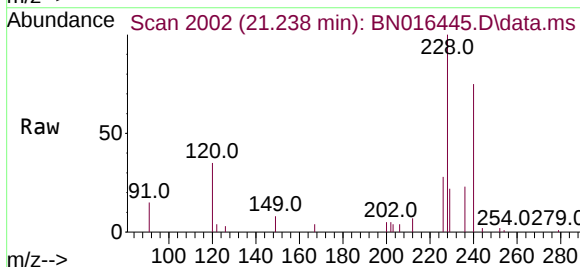
Instrument :
BNA_N
ClientSampled :

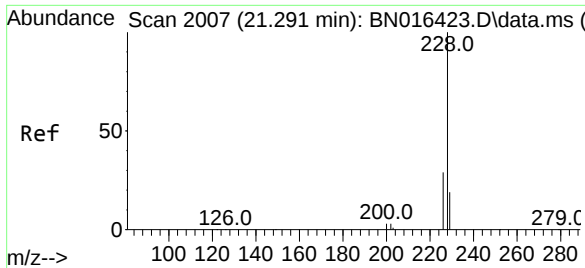
Tgt Ion:244 Resp: 103847
Ion Ratio Lower Upper
244 100
212 7.5 5.5 8.3
122 11.4 9.0 13.4



#32
Benzo(a)anthracene
Concen: 0.064 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:228 Resp: 20642
Ion Ratio Lower Upper
228 100
226 28.0 20.8 31.2
229 21.7 15.8 23.6

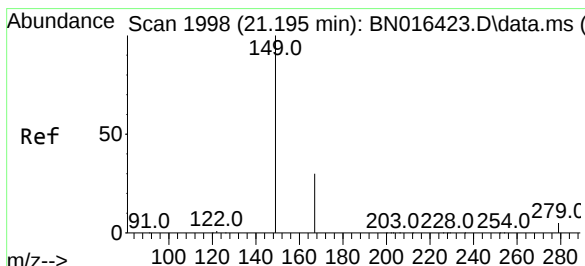
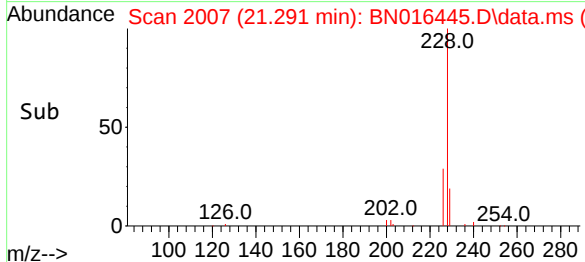
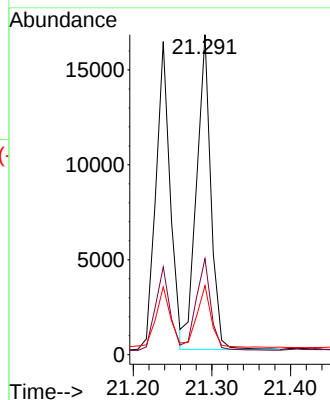
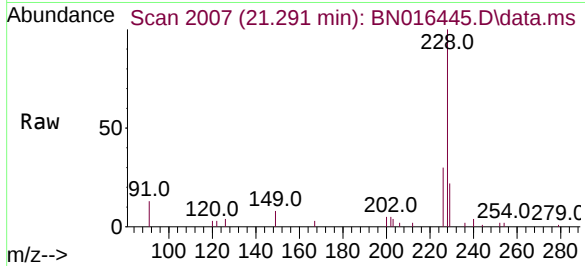




#33
Chrysene
Concen: 0.060 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

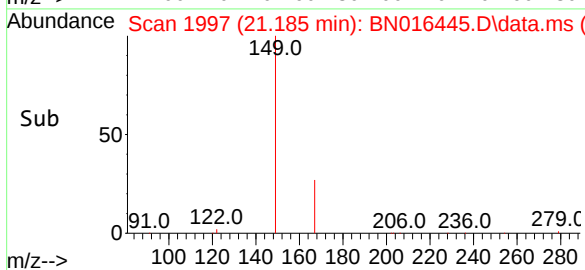
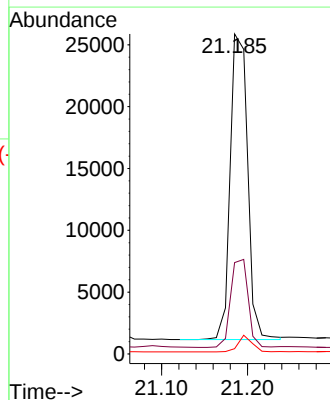
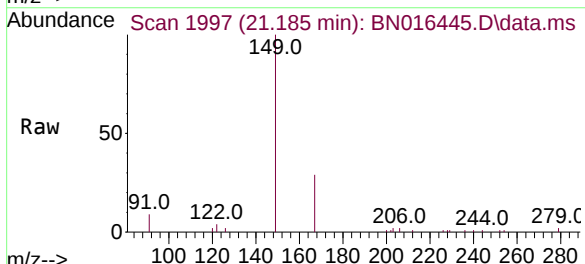
Instrument :
BNA_N
ClientSampled :

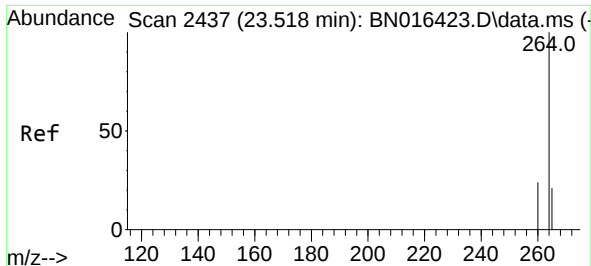
Tgt Ion:228	Resp:	20837
Ion Ratio	Lower	Upper
228	100	
226	30.0	23.0 34.4
229	21.6	15.6 23.4



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.397 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:149	Resp:	34797
Ion Ratio	Lower	Upper
149	100	
167	28.8	23.4 35.0
279	4.3	3.9 5.9



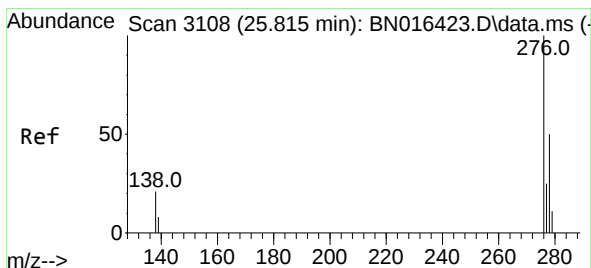
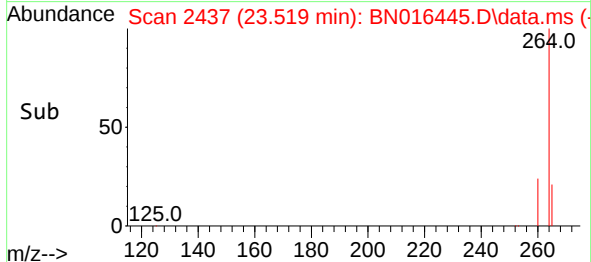
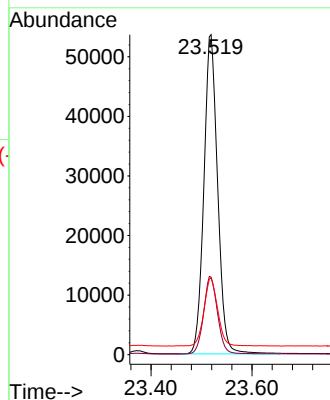
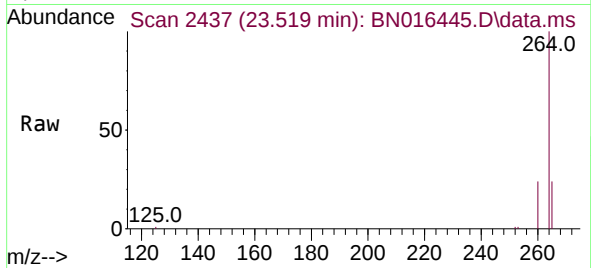


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.519 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 101079

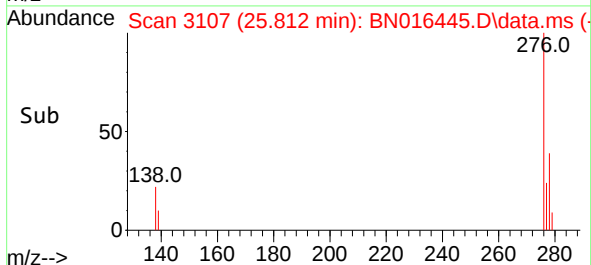
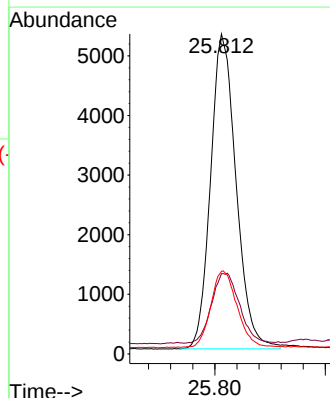
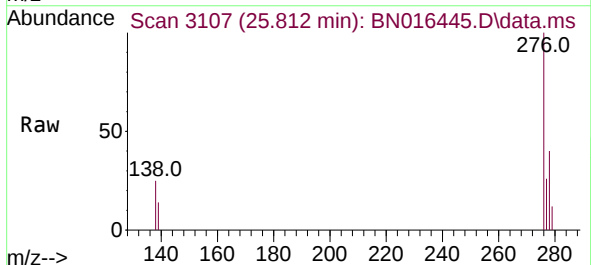
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	24.0	23.7	35.5

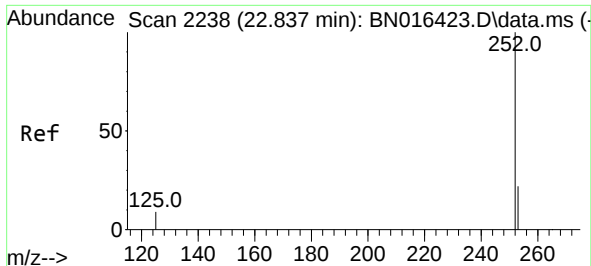


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.052 ng
RT: 25.812 min Scan# 3107
Delta R.T. -0.003 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:276 Resp: 16959

Ion	Ratio	Lower	Upper
276	100		
138	24.3	19.3	28.9
277	25.0	20.2	30.2

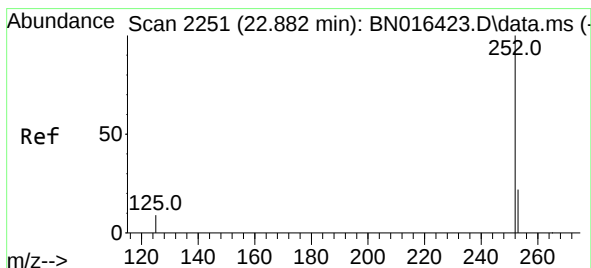
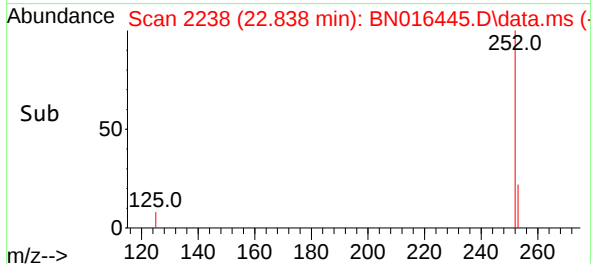
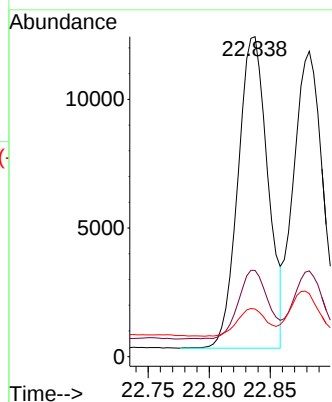
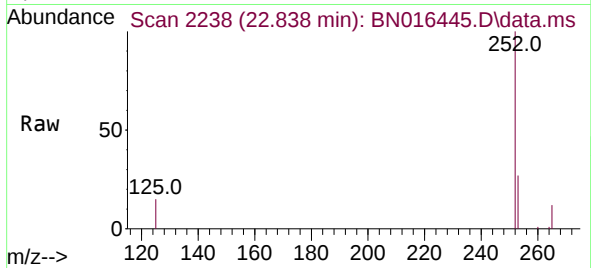




#37
Benzo(b)fluoranthene
Concen: 0.061 ng
RT: 22.838 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

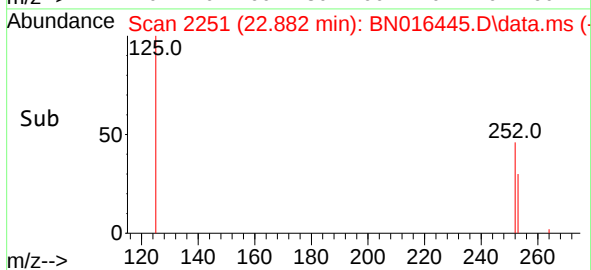
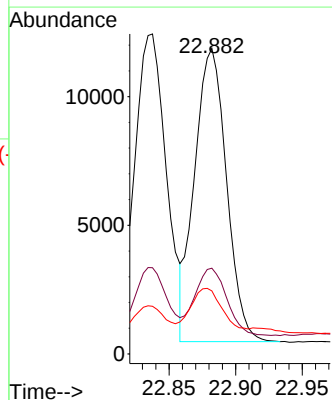
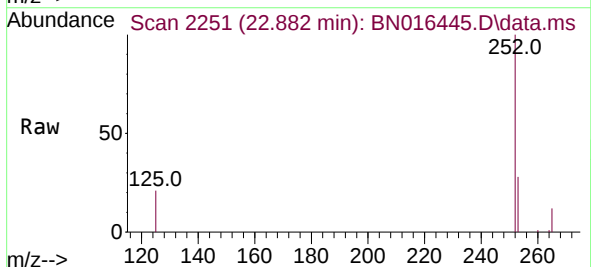
Instrument :
BNA_N
ClientSampleId :

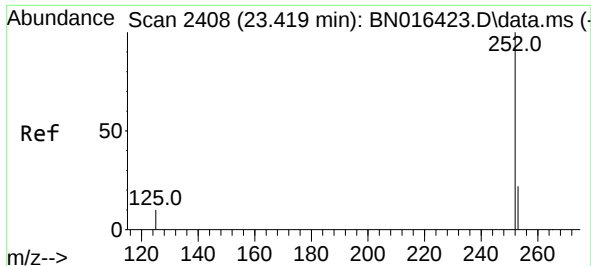
Tgt Ion:252 Resp: 20630
Ion Ratio Lower Upper
252 100
253 27.0 18.2 27.2
125 14.9 8.4 12.6#



#38
Benzo(k)fluoranthene
Concen: 0.058 ng
RT: 22.882 min Scan# 2251
Delta R.T. 0.000 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Tgt Ion:252 Resp: 19003
Ion Ratio Lower Upper
252 100
253 28.1 18.2 27.2#
125 20.6 8.2 12.4#





#39

Benzo(a)pyrene

Concen: 0.061 ng

RT: 23.416 min Scan# 2407

Delta R.T. -0.003 min

Lab File: BN016445.D

Acq: 24 Sep 2021 19:48

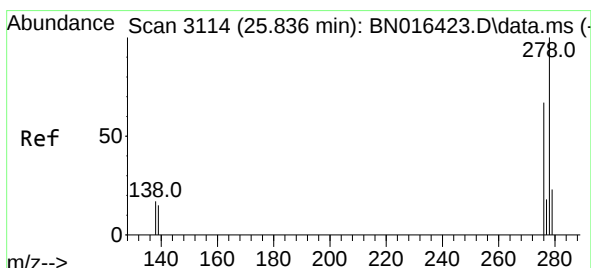
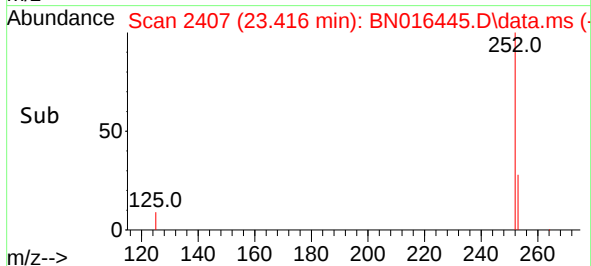
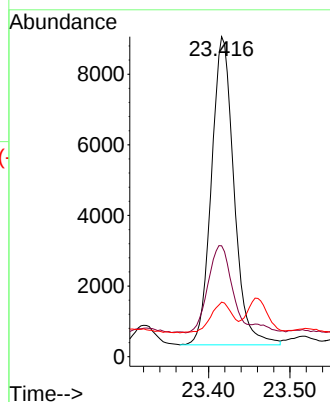
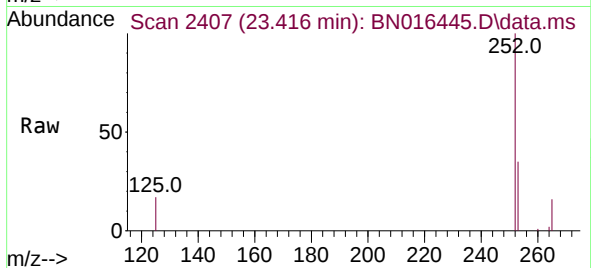
Tgt Ion:252 Resp: 16800

Ion Ratio Lower Upper

252 100

253 34.6 18.7 28.1#

125 17.1 9.9 14.9#



#40

Dibenzo(a,h)anthracene

Concen: 0.049 ng

RT: 25.836 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BN016445.D

Acq: 24 Sep 2021 19:48

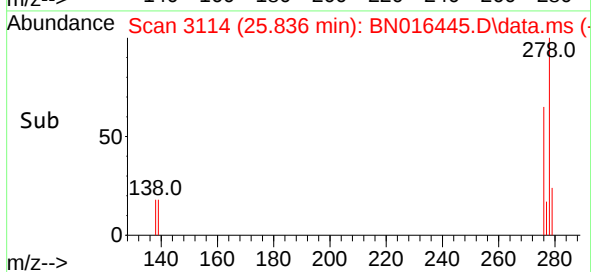
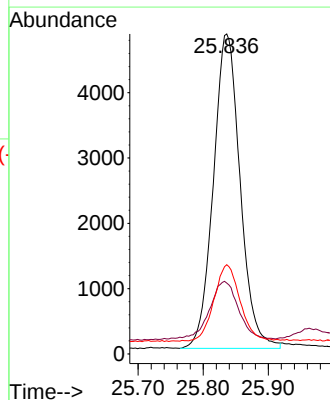
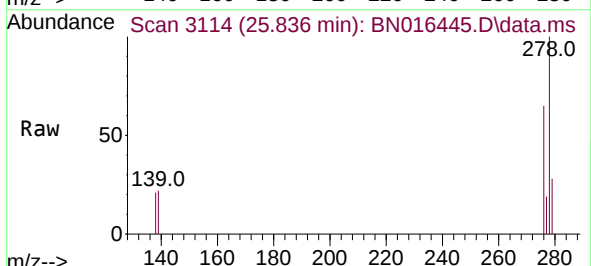
Tgt Ion:278 Resp: 13779

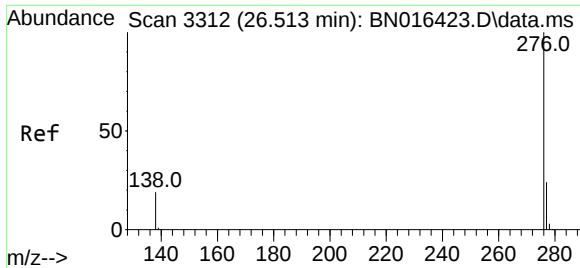
Ion Ratio Lower Upper

278 100

139 22.1 14.2 21.2#

279 27.9 21.3 31.9





#41
Benzo(g,h,i)perylene
Concen: 0.048 ng
RT: 26.510 min Scan# 3311
Delta R.T. -0.003 min
Lab File: BN016445.D
Acq: 24 Sep 2021 19:48

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:	276	Resp:	13713
Ion Ratio	Lower	Upper	
276	100		
277	25.4	20.5	30.7
138	22.7	18.2	27.4

