

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016536.D
 Acq On : 27 Sep 2021 07:27
 Operator : CG/JU
 Sample : M3922-10X
 Misc :
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 27 09:20:43 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)

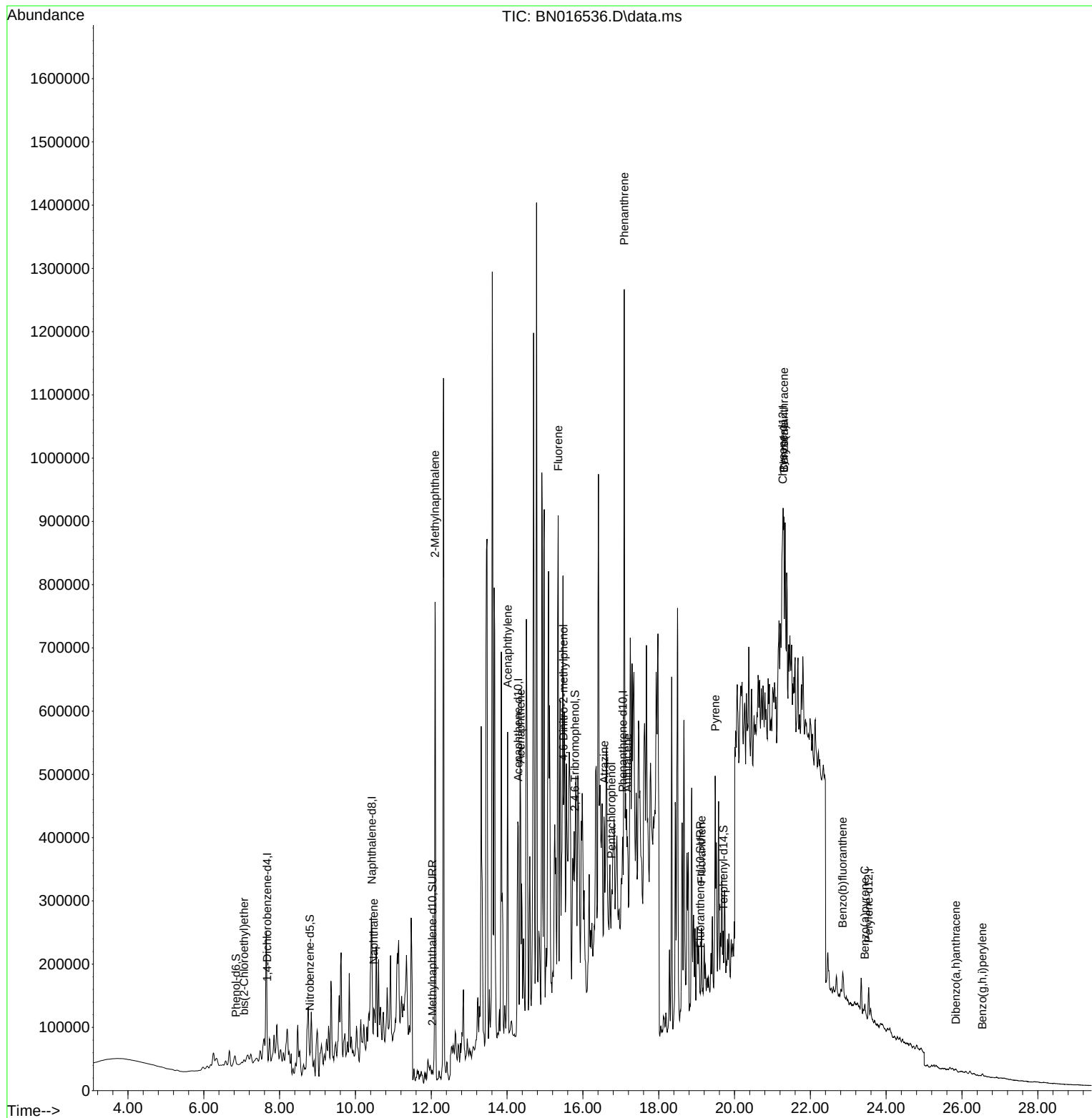
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	17122	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	91036	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	69652	0.400	ng	# 0.00
19) Phenanthrene-d10	17.054	188	141271	0.400	ng	# 0.01
29) Chrysene-d12	21.270	240	127326	0.400	ng	# 0.02
35) Perylene-d12	23.539	264	68848	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	130	0.003	ng	0.00
5) Phenol-d6	6.849	99	952	0.021	ng	0.00
8) Nitrobenzene-d5	8.797	82	21156	0.328	ng	-0.01
11) 2-Methylnaphthalene-d10	12.025	152	7018	0.052	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	368	0.137	ng	0.00
15) 2-Fluorobiphenyl	12.962	172	3891	0.013	ng	0.04
27) Fluoranthene-d10	19.098	212	22006	0.057	ng	0.00
31) Terphenyl-d14	19.708	244	13074	0.044	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.062	93	1068	0.023	ng	# 1
9) Naphthalene	10.483	128	23446	0.097	ng	# 1
12) 2-Methylnaphthalene	12.101	142	525852	3.417	ng	96
16) Acenaphthylene	14.015	152	59866	0.211	ng	# 1
17) Acenaphthene	14.358	154	78431	0.390	ng	# 38
18) Fluorene	15.347	166	246162	1.019	ng	# 88
20) 4,6-Dinitro-2-methylph...	15.487	198	3447	0.355	ng	# 1
23) Atrazine	16.567	200	2846	0.171	ng	# 1
24) Pentachlorophenol	16.750	266	1821	0.288	ng	# 36
25) Phenanthrene	17.091	178	1029506	2.449	ng	# 89
26) Anthracene	17.176	178	101265	0.289	ng	# 59
28) Fluoranthene	19.128	202	119963	0.260	ng	# 73
30) Pyrene	19.490	202	317002	0.795	ng	# 90
32) Benzo(a)anthracene	21.302	228	465814	1.262	ng	# 35
33) Chrysene	21.302	228	399867	1.008	ng	# 40
37) Benzo(b)fluoranthene	22.855	252	55304	0.240	ng	# 1
39) Benzo(a)pyrene	23.437	252	30697	0.164	ng	# 1
40) Dibenzo(a,h)anthracene	25.840	278	4883	0.026	ng	# 1
41) Benzo(g,h,i)perylene	26.538	276	7895	0.040	ng	# 1

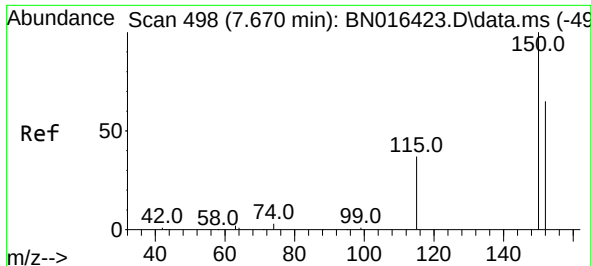
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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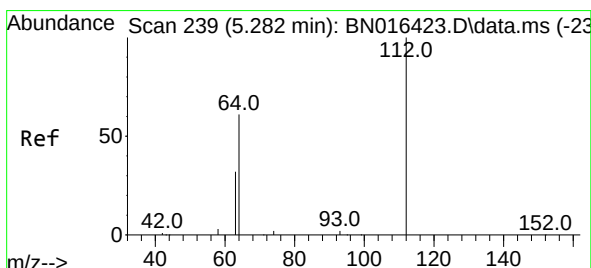
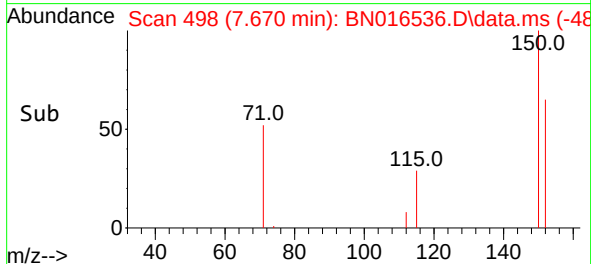
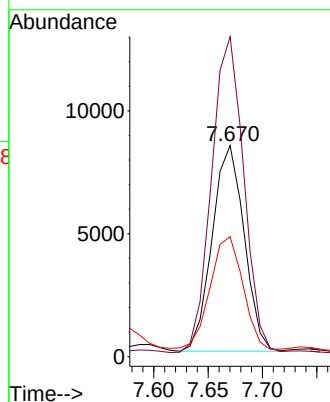
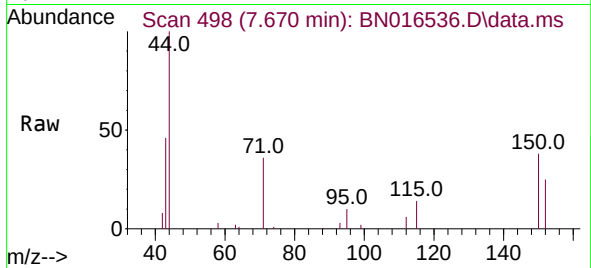




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. 0.000 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

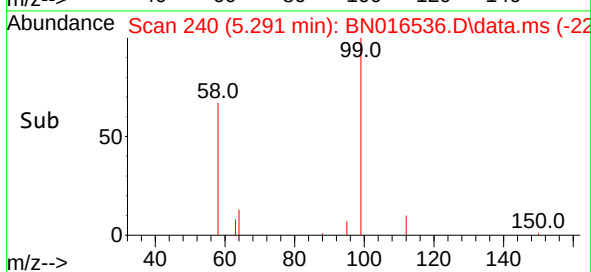
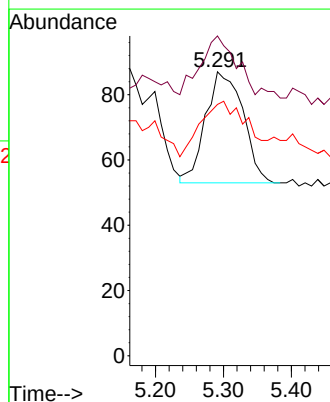
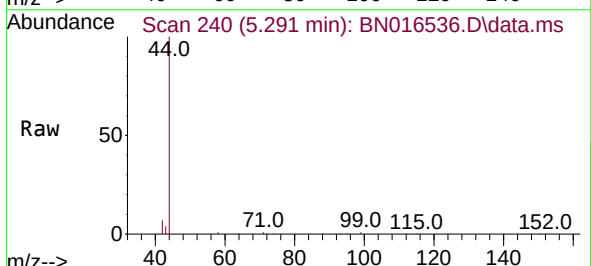
Instrument :
BNA_N
ClientSampled :

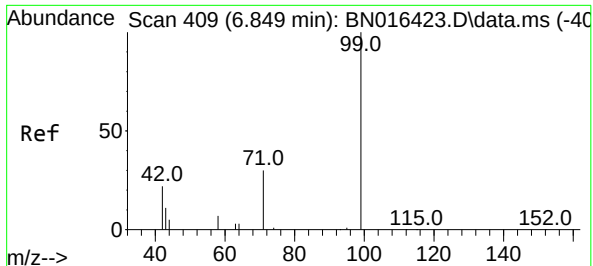
Tgt Ion:152 Resp: 17122
Ion Ratio Lower Upper
152 100
150 151.5 125.6 188.4
115 56.8 50.2 75.2



#4
2-Fluorophenol
Concen: 0.003 ng
RT: 5.291 min Scan# 240
Delta R.T. 0.010 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:112 Resp: 130
Ion Ratio Lower Upper
112 100
64 56.9 47.3 70.9
63 61.5 23.4 35.0#

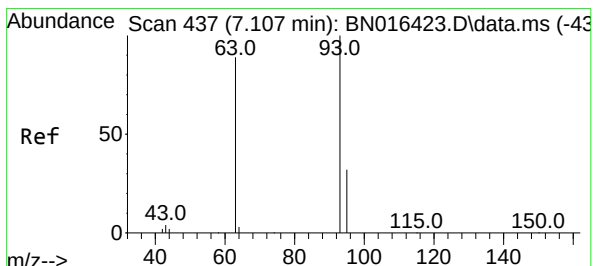
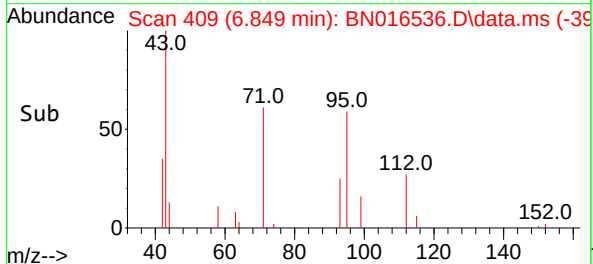
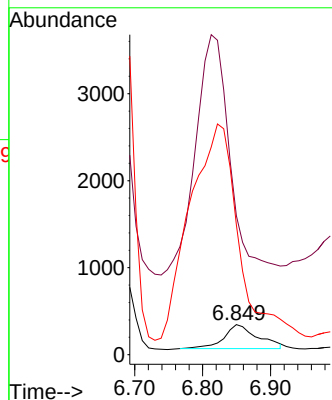
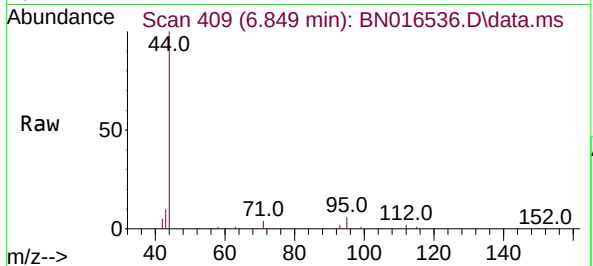




#5
Phenol-d6
Concen: 0.021 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

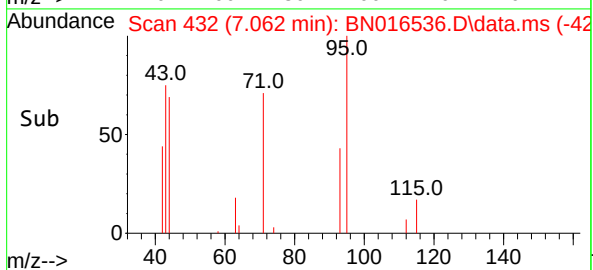
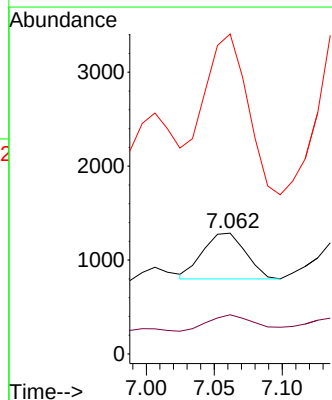
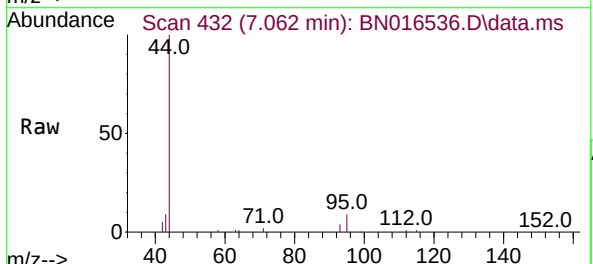
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BNA_N
ClientSampleId :

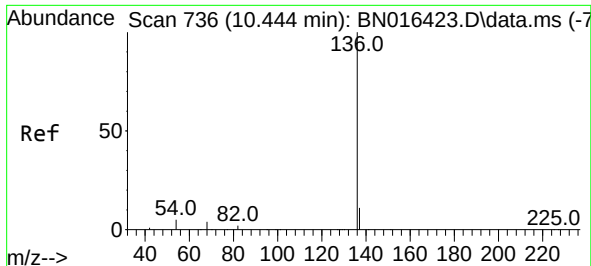
Tgt Ion: 99 Resp: 952
Ion Ratio Lower Upper
99 100
42 0.0 14.0 21.0#
71 0.0 23.8 35.6#



#6
bis(2-Chloroethyl)ether
Concen: 0.023 ng
RT: 7.062 min Scan# 432
Delta R.T. -0.046 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion: 93 Resp: 1068
Ion Ratio Lower Upper
93 100
63 38.7 63.4 95.0#
95 359.6 26.8 40.2#

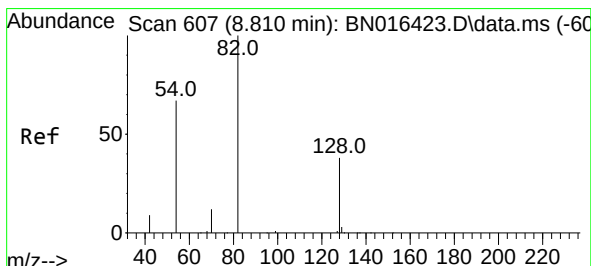
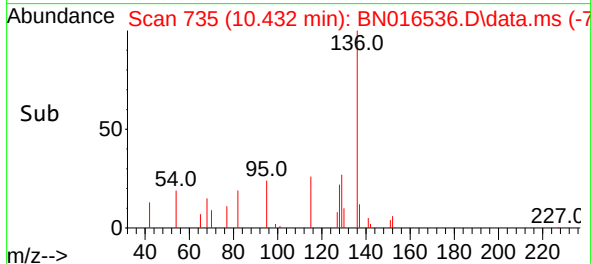
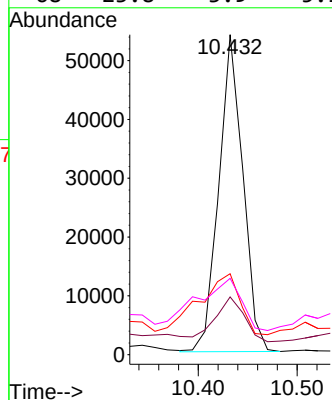
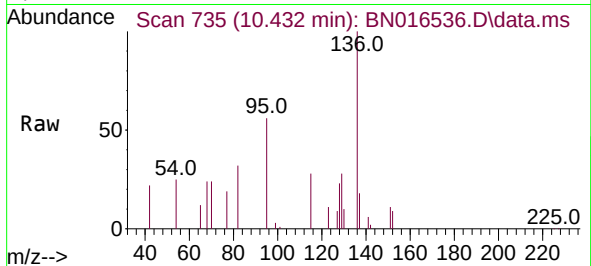




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

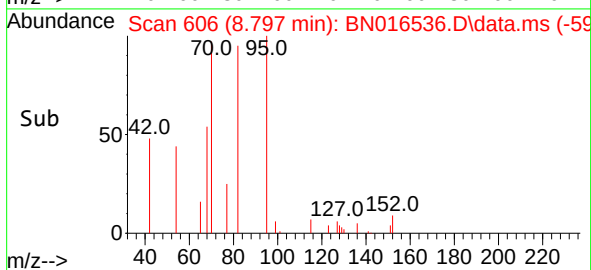
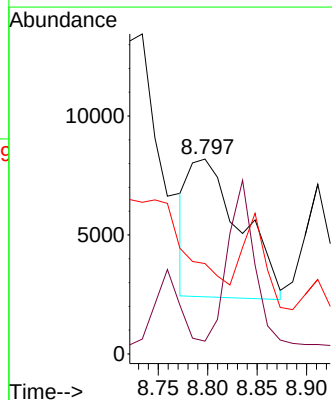
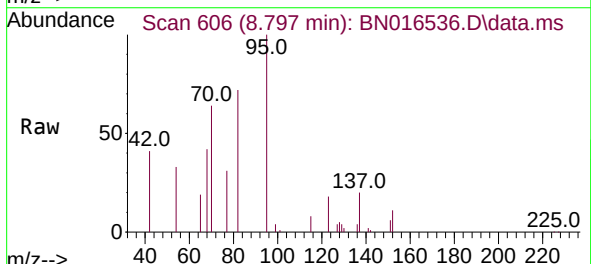
Instrument :
BNA_N
ClientSampleId :

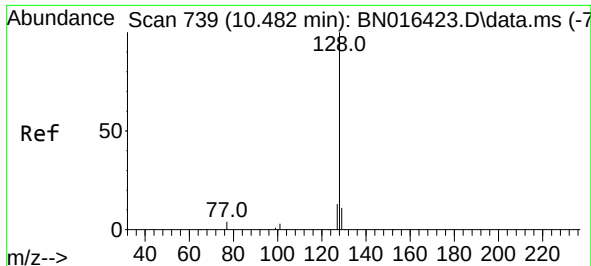
Tgt Ion:	136	Resp:	91036
Ion Ratio	Lower	Upper	
136	100		
137	18.1	8.8	13.2#
54	25.3	5.3	7.9#
68	23.8	3.9	5.9#



#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 8.797 min Scan# 606
Delta R.T. -0.012 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:	82	Resp:	21156
Ion Ratio	Lower	Upper	
82	100		
128	6.6	31.7	47.5#
54	46.4	46.4	69.6#

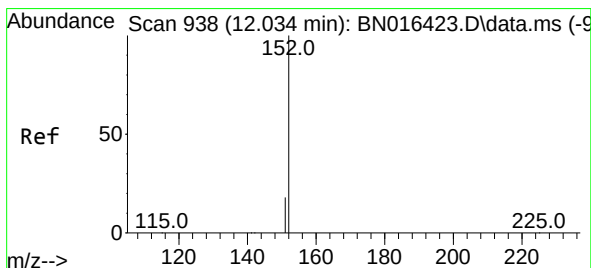
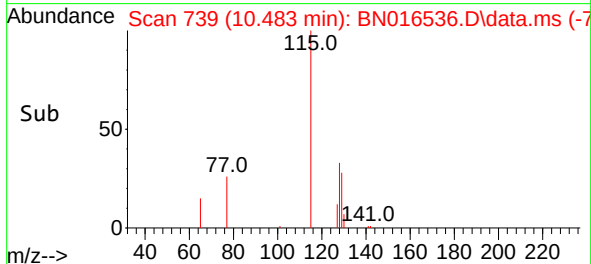
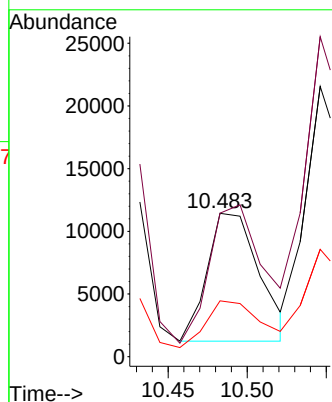
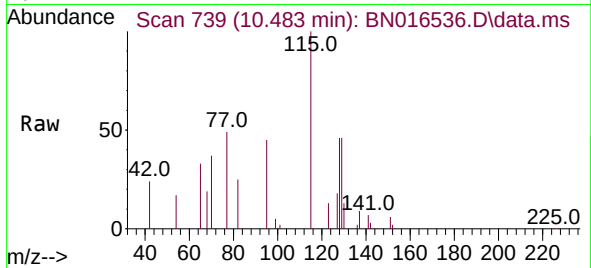




#9
Naphthalene
Concen: 0.097 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

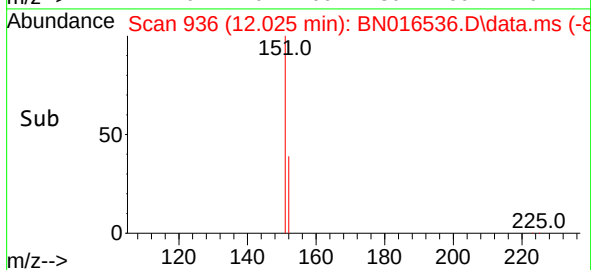
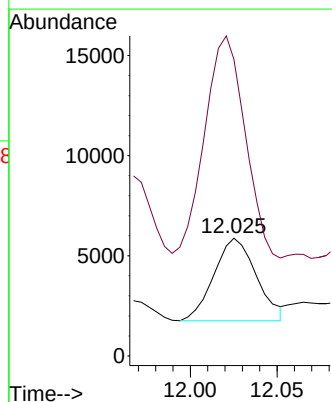
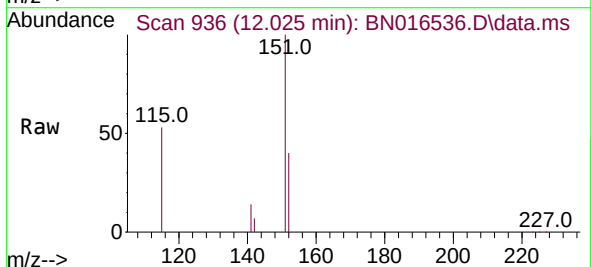
Instrument :
BNA_N
ClientSampled :

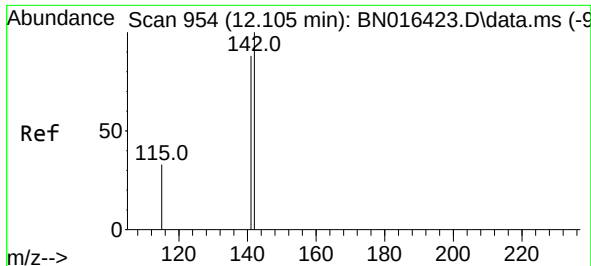
Tgt Ion:128 Resp: 23446
Ion Ratio Lower Upper
128 100
129 100.1 8.9 13.3#
127 39.0 10.1 15.1#



#11
2-Methylnaphthalene-d10
Concen: 0.052 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:152 Resp: 7018
Ion Ratio Lower Upper
152 100
151 273.7 16.1 24.1#

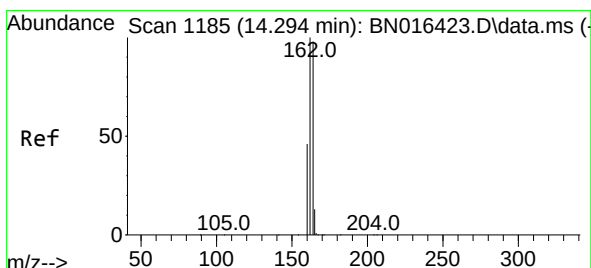
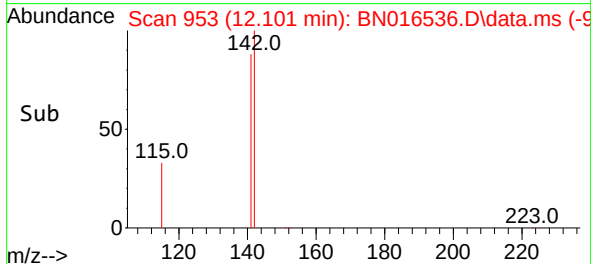
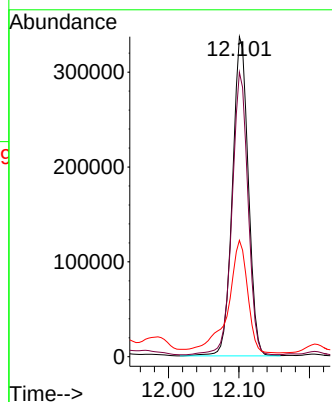
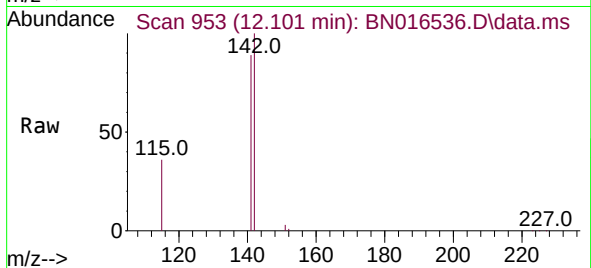




#12
2-Methylnaphthalene
Concen: 3.417 ng
RT: 12.101 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

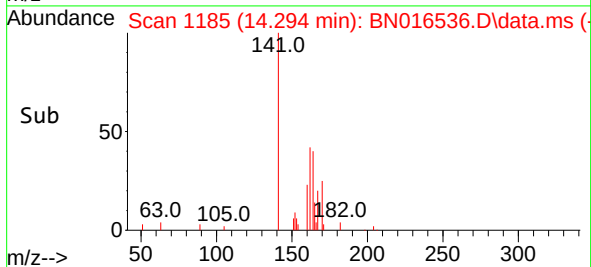
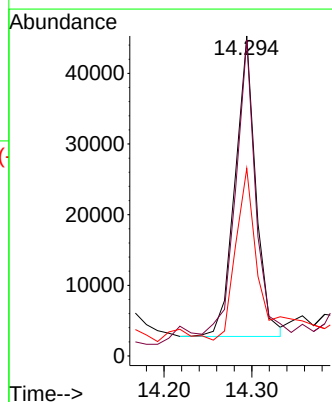
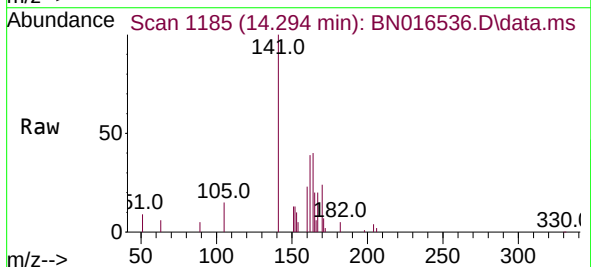
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BNA_N
ClientSampleId :

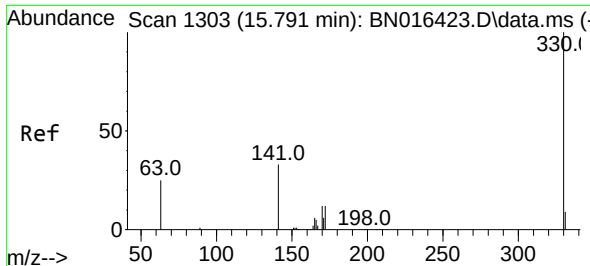
Tgt Ion:142 Resp: 525852
Ion Ratio Lower Upper
142 100
141 88.9 69.8 104.8
115 36.3 24.4 36.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:164 Resp: 69652
Ion Ratio Lower Upper
164 100
162 98.7 79.0 118.4
160 58.6 34.1 51.1#

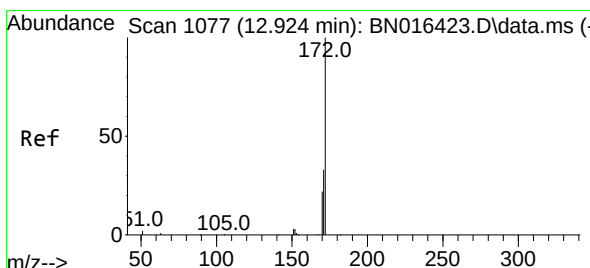
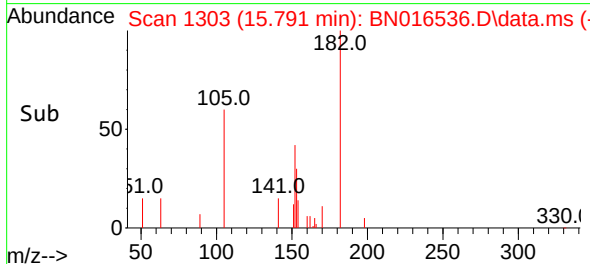
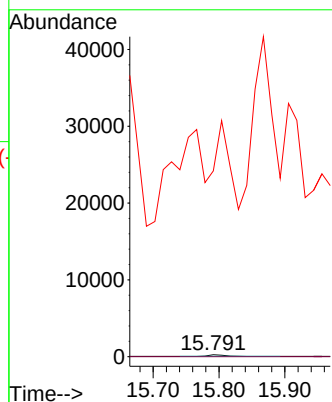
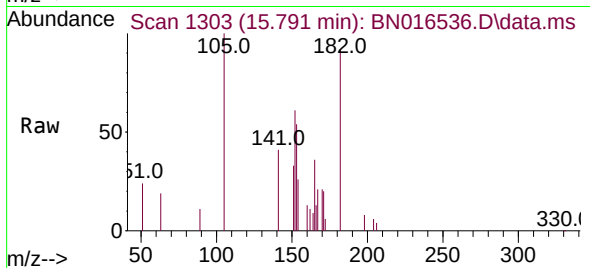




#14
2,4,6-Tribromophenol
Concen: 0.137 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

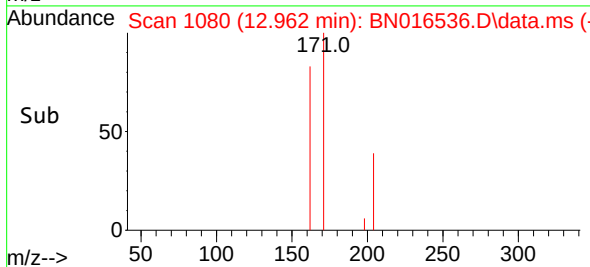
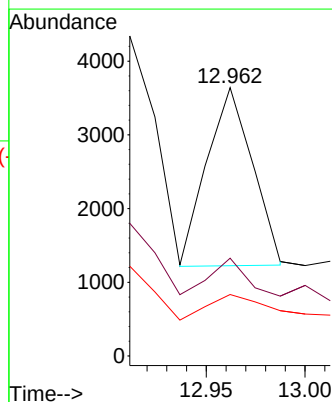
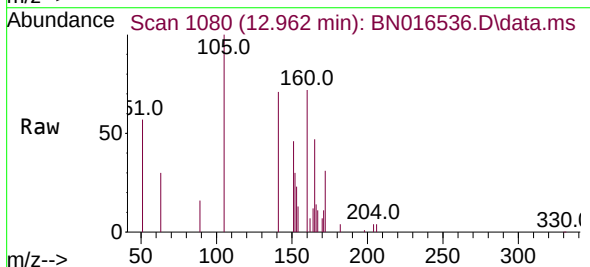
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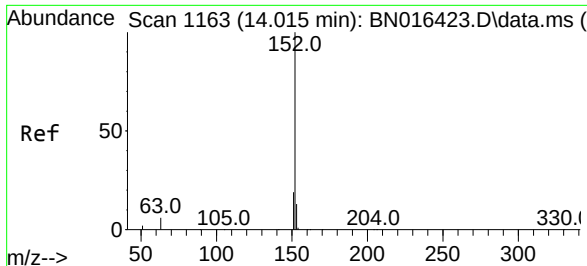
Tgt Ion:330 Resp: 368
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 0.0 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.013 ng
RT: 12.962 min Scan# 1080
Delta R.T. 0.038 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:172 Resp: 3891
Ion Ratio Lower Upper
172 100
171 36.4 27.8 41.6
170 22.9 18.2 27.2

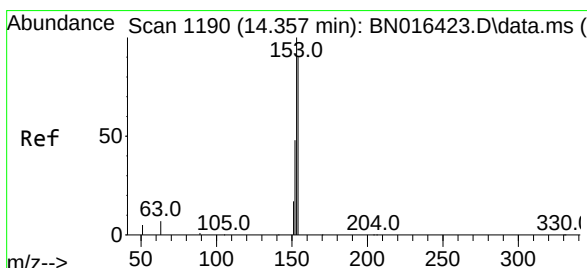
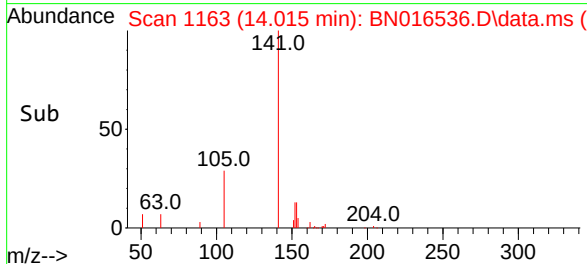
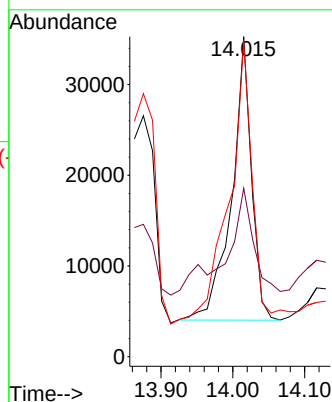
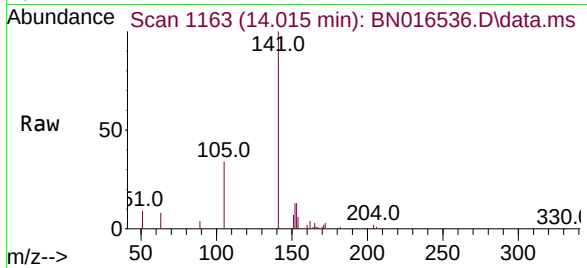




#16
Acenaphthylene
Concen: 0.211 ng
RT: 14.015 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

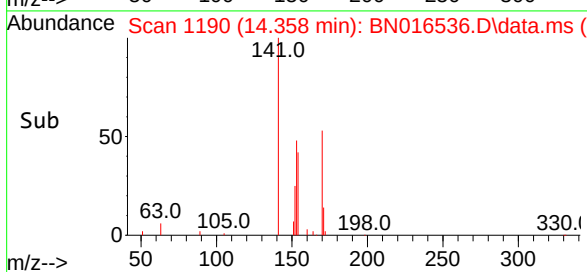
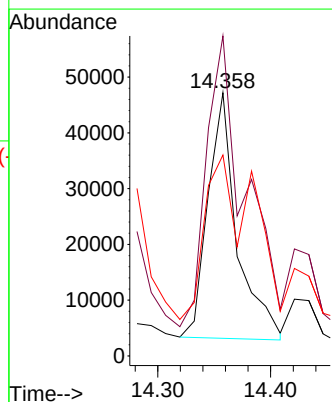
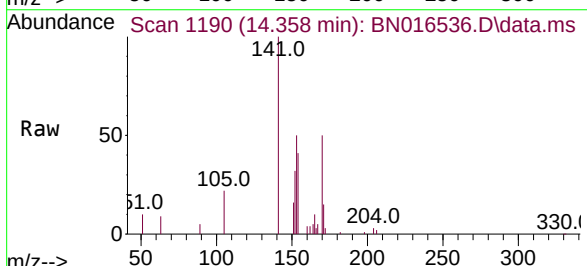
Instrument :
BNA_N
ClientSampleId :

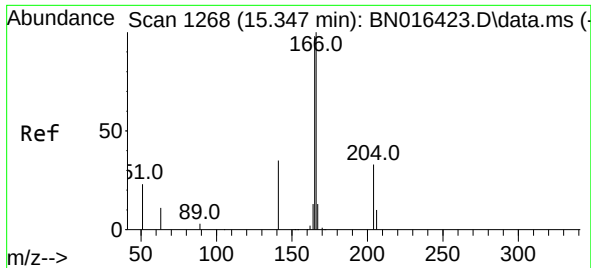
Tgt Ion:152 Resp: 59866
Ion Ratio Lower Upper
152 100
151 41.9 15.2 22.8#
153 111.2 10.5 15.7#



#17
Acenaphthene
Concen: 0.390 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:154 Resp: 78431
Ion Ratio Lower Upper
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153 154.7 89.3 133.9#
152 127.9 42.2 63.4#

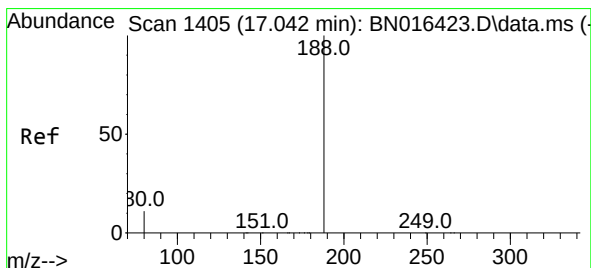
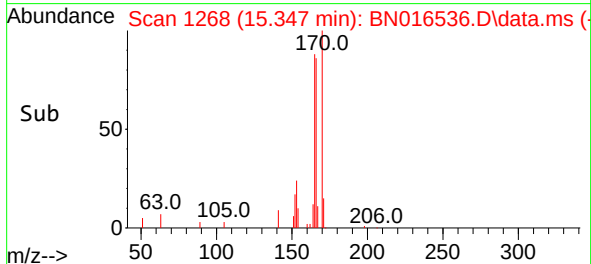
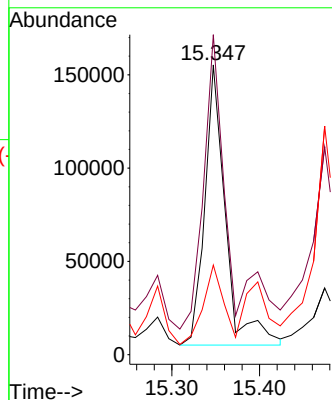
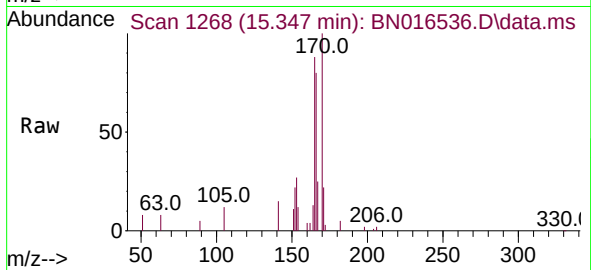




#18
Fluorene
Concen: 1.019 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

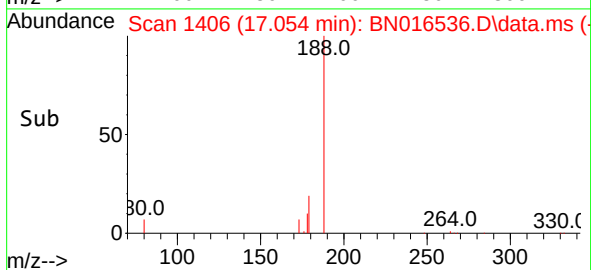
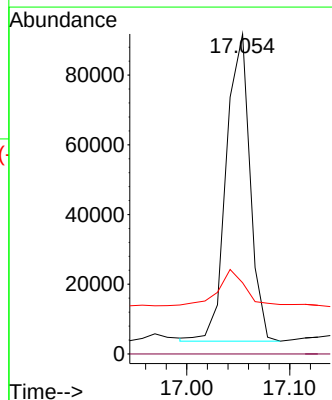
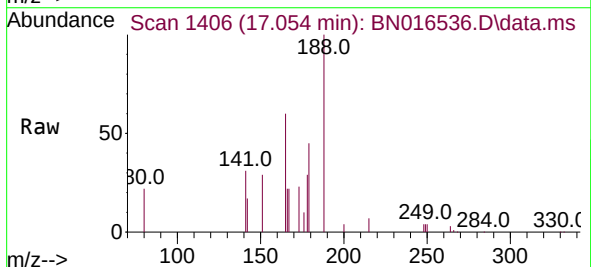
Instrument :
BNA_N
ClientSampleId :

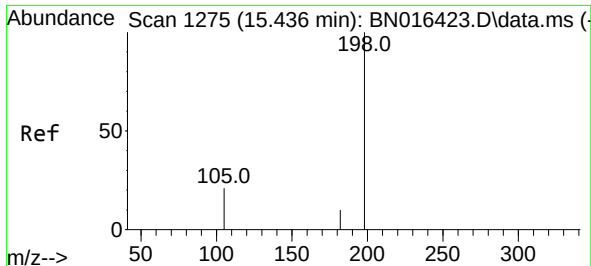
Tgt Ion:166 Resp: 246162
Ion Ratio Lower Upper
166 100
165 104.5 76.7 115.1
167 28.1 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.054 min Scan# 1406
Delta R.T. 0.012 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:188 Resp: 141271
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 22.3 7.0 10.6#

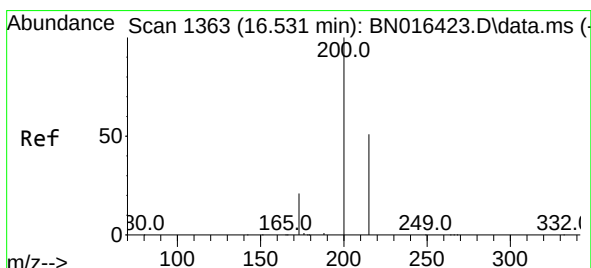
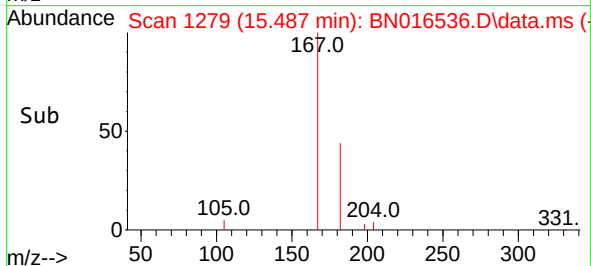
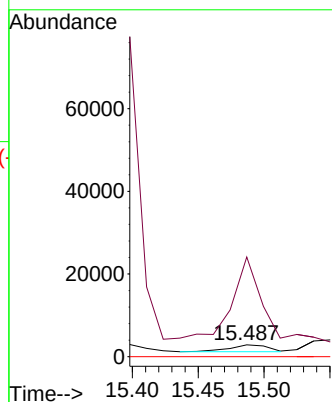
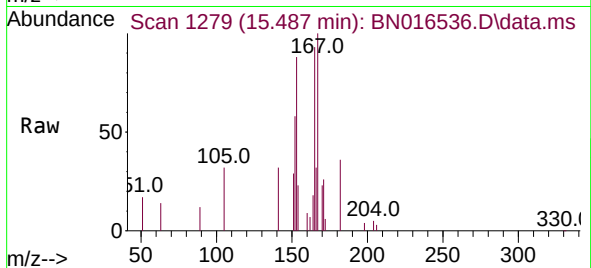




#20
4,6-Dinitro-2-methylphenol
Concen: 0.355 ng
RT: 15.487 min Scan# 1279
Delta R.T. 0.051 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

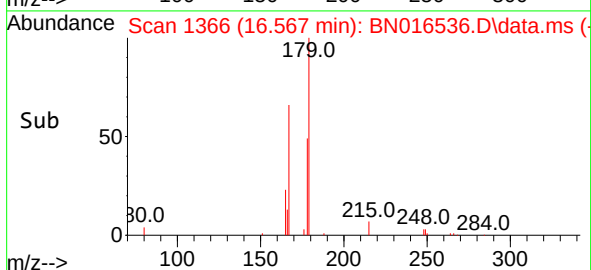
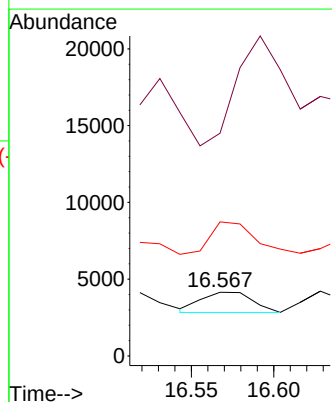
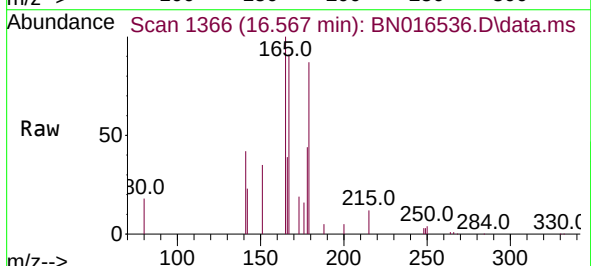
Instrument :
BNA_N
ClientSampleId :

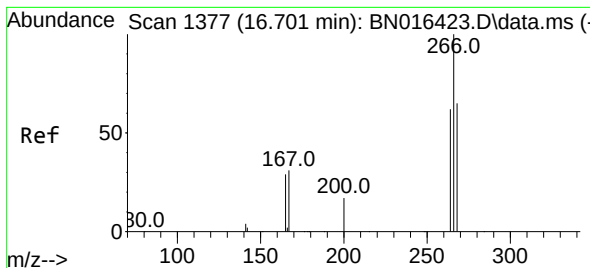
Tgt Ion:198 Resp: 3447
Ion Ratio Lower Upper
198 100
182 845.8 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.171 ng
RT: 16.567 min Scan# 1366
Delta R.T. 0.036 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:200 Resp: 2846
Ion Ratio Lower Upper
200 100
173 349.7 18.7 28.1#
215 210.7 41.6 62.4#





#24

Pentachlorophenol

Concen: 0.288 ng

RT: 16.750 min Scan# 1381

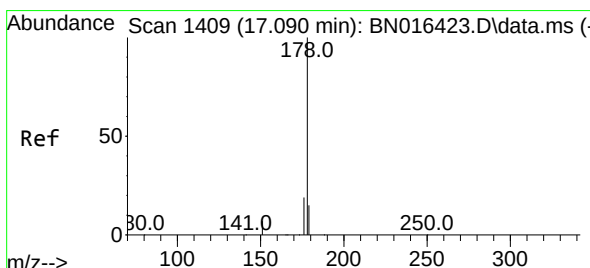
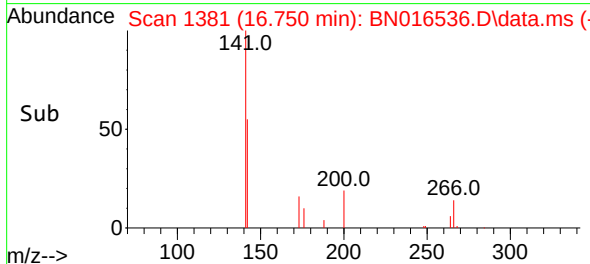
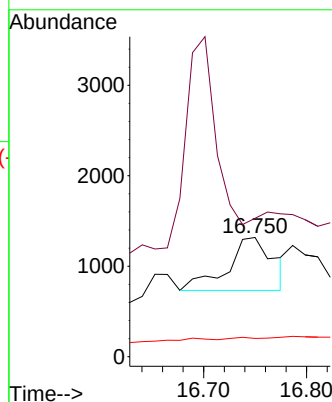
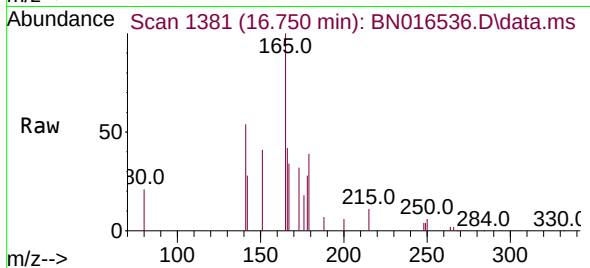
Delta R.T. 0.049 min

Lab File: BN016536.D

Acq: 27 Sep 2021 07:27

Tgt Ion:	266	Resp:	1821
Ion Ratio	Lower	Upper	
266	100		
264	29.5	50.6	75.8#
268	0.0	52.6	79.0#

Instrument :
BNA_N
ClientSampleId :



#25

Phenanthrene

Concen: 2.449 ng

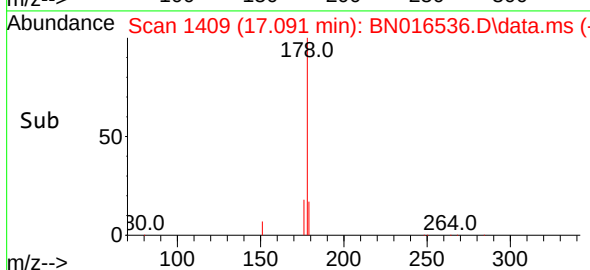
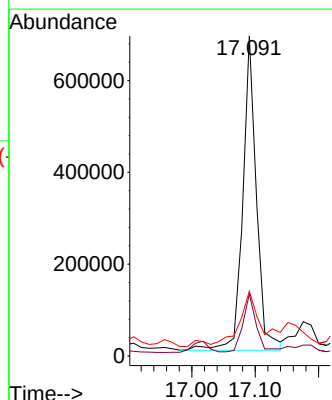
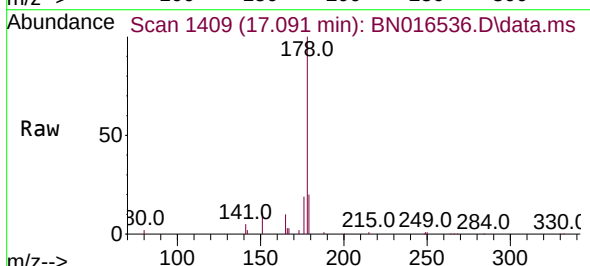
RT: 17.091 min Scan# 1409

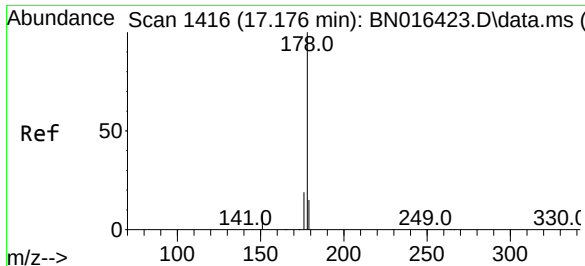
Delta R.T. 0.000 min

Lab File: BN016536.D

Acq: 27 Sep 2021 07:27

Tgt Ion:	178	Resp:	1029506
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.4	21.6
179	25.4	12.2	18.4#

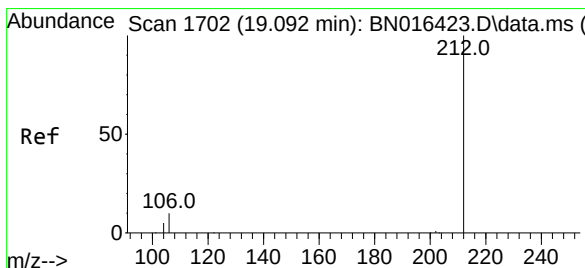
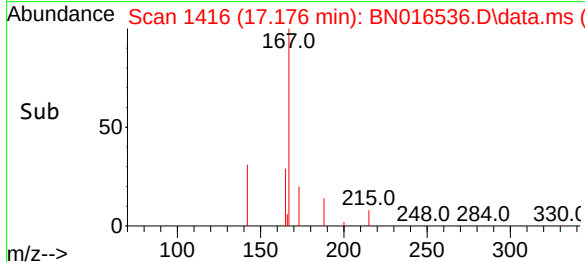
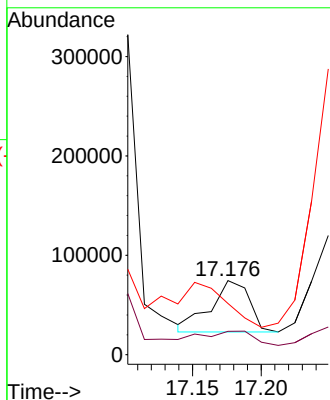
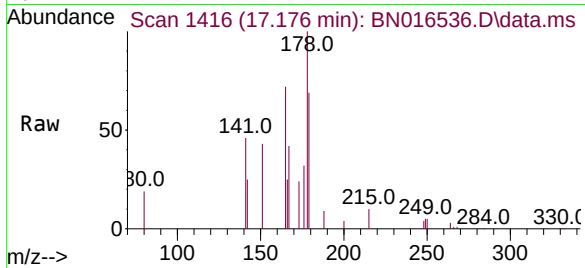




#26
 Anthracene
 Concen: 0.289 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. 0.000 min
 Lab File: BN016536.D
 Acq: 27 Sep 2021 07:27

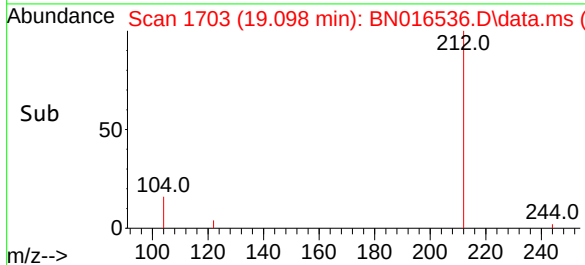
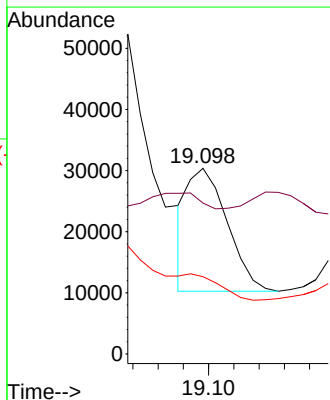
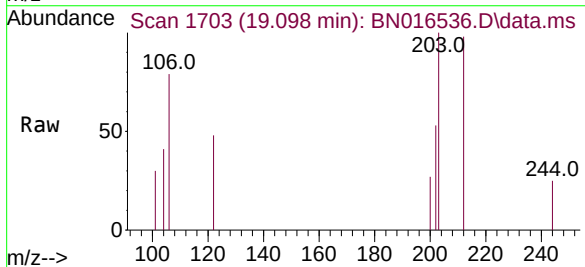
Instrument :
 BNA_N
 ClientSampled :

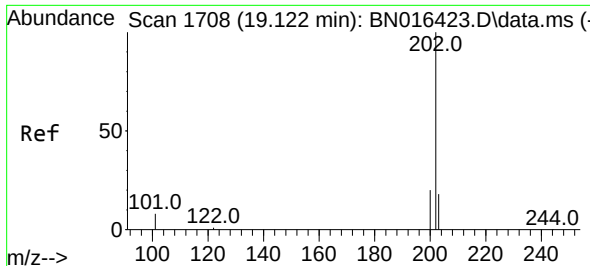
Tgt Ion:178 Resp: 101265
 Ion Ratio Lower Upper
 178 100
 176 37.4 13.9 20.9#
 179 0.0 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.057 ng
 RT: 19.098 min Scan# 1703
 Delta R.T. 0.005 min
 Lab File: BN016536.D
 Acq: 27 Sep 2021 07:27

Tgt Ion:212 Resp: 22006
 Ion Ratio Lower Upper
 212 100
 106 28.1 9.8 14.6#
 104 0.0 5.4 8.2#

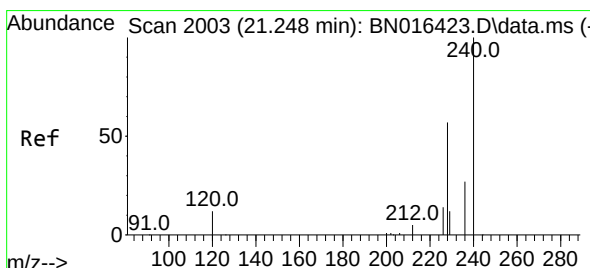
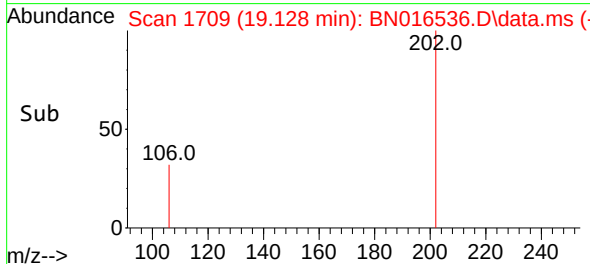
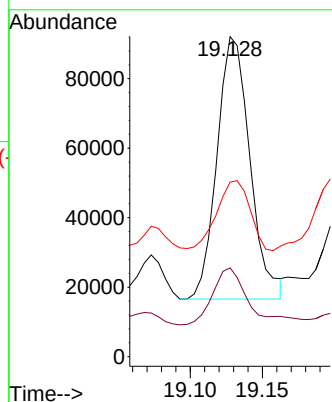
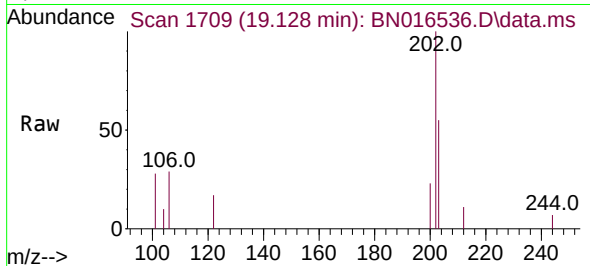




#28
Fluoranthene
Concen: 0.260 ng
RT: 19.128 min Scan# 1709
Delta R.T. 0.005 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

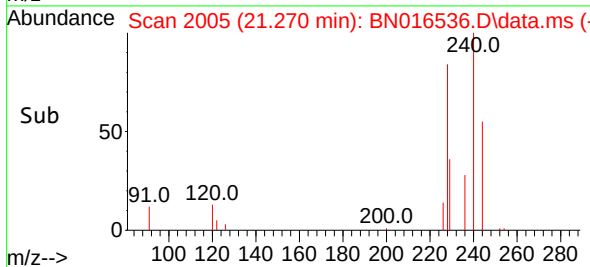
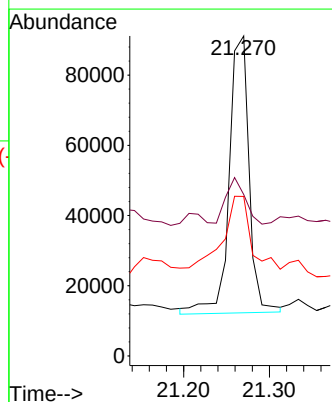
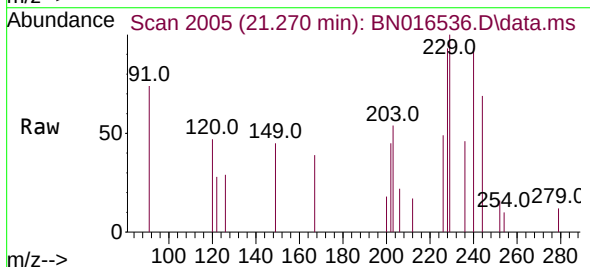
Instrument :
BNA_N
ClientSampleId :

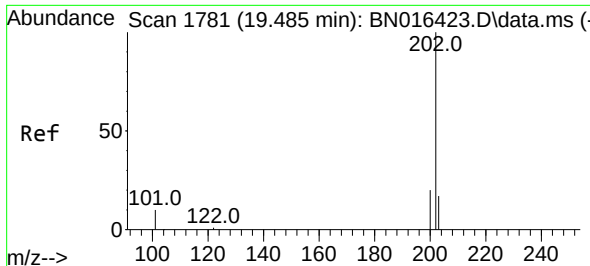
Tgt Ion:202 Resp: 119963
Ion Ratio Lower Upper
202 100
101 24.1 8.5 12.7#
203 26.7 13.8 20.8#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.022 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:240 Resp: 127326
Ion Ratio Lower Upper
240 100
120 50.4 5.3 7.9#
236 49.9 19.8 29.8#

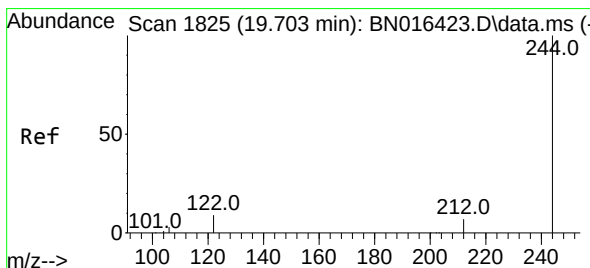
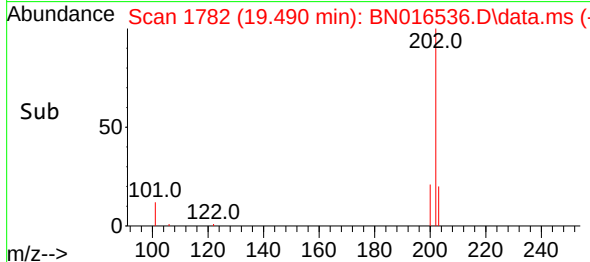
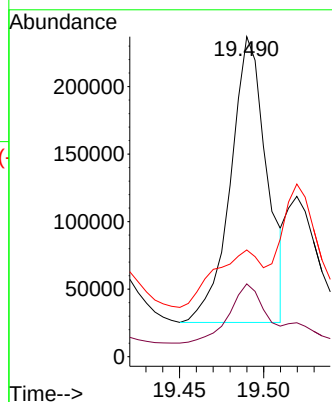
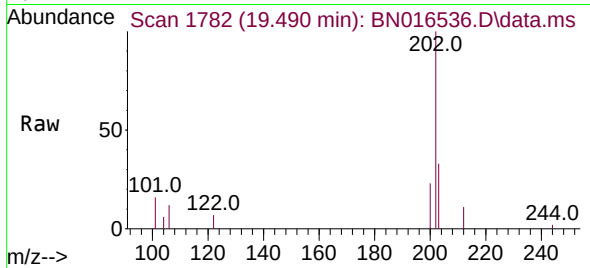




#30
Pyrene
Concen: 0.795 ng
RT: 19.490 min Scan# 1782
Delta R.T. 0.005 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

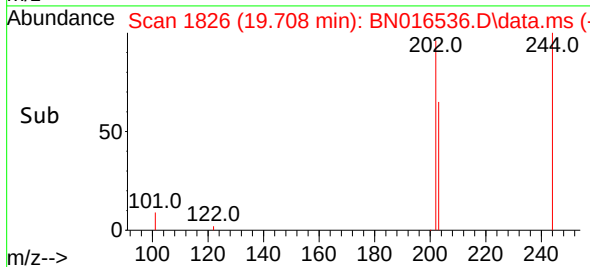
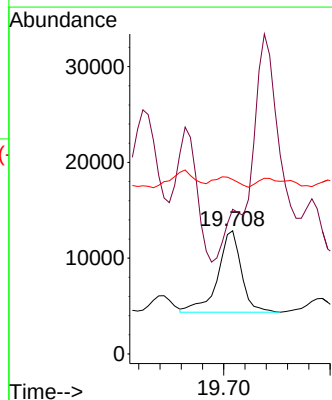
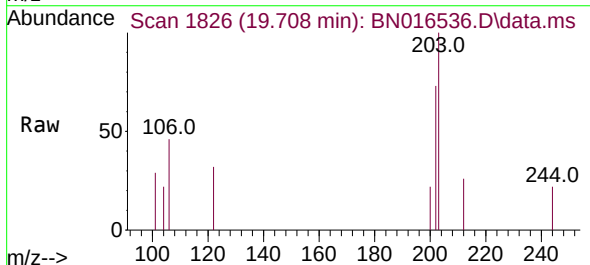
Instrument :
BNA_N
ClientSampleId :

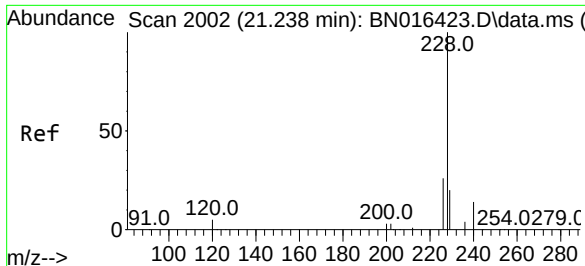
Tgt Ion:202 Resp: 317002
Ion Ratio Lower Upper
202 100
200 20.8 15.8 23.6
203 25.6 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.044 ng
RT: 19.708 min Scan# 1826
Delta R.T. 0.005 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:244 Resp: 13074
Ion Ratio Lower Upper
244 100
212 117.4 5.5 8.3#
122 141.7 9.0 13.4#

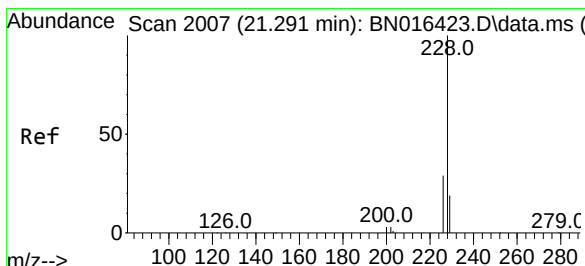
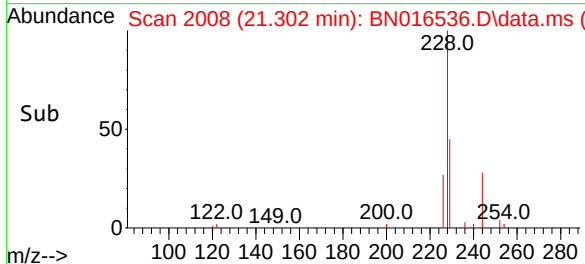
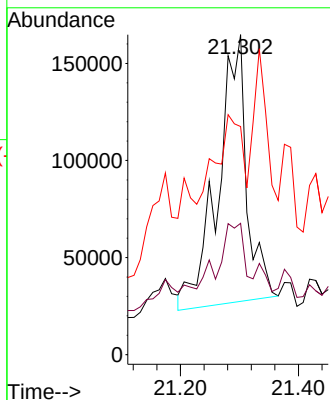
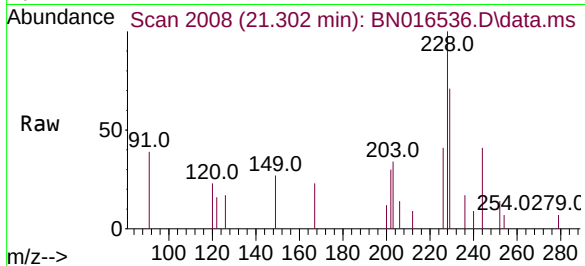




#32
Benzo(a)anthracene
Concen: 1.262 ng
RT: 21.302 min Scan# 2008
Delta R.T. 0.064 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

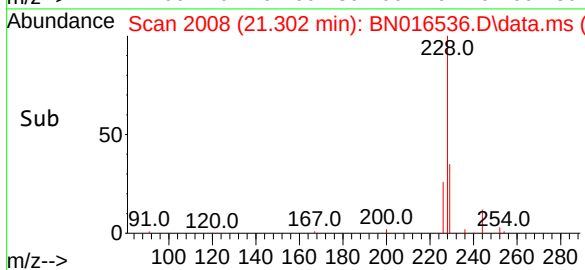
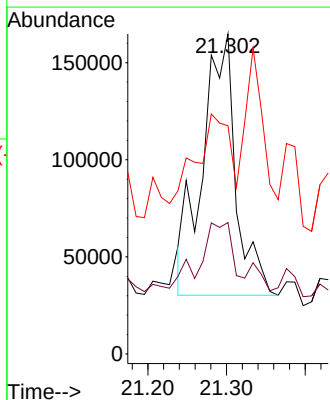
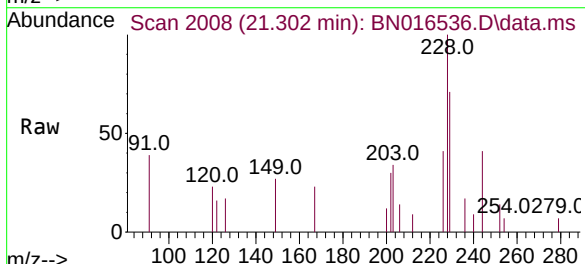
Instrument :
BNA_N
ClientSampleId :

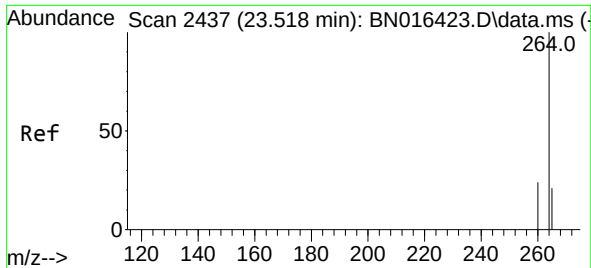
Tgt Ion:228 Resp: 465814
Ion Ratio Lower Upper
228 100
226 41.0 20.8 31.2#
229 71.3 15.8 23.6#



#33
Chrysene
Concen: 1.008 ng
RT: 21.302 min Scan# 2008
Delta R.T. 0.011 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

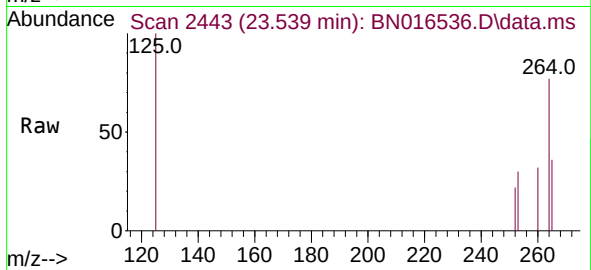
Tgt Ion:228 Resp: 399867
Ion Ratio Lower Upper
228 100
226 41.0 23.0 34.4#
229 71.3 15.6 23.4#



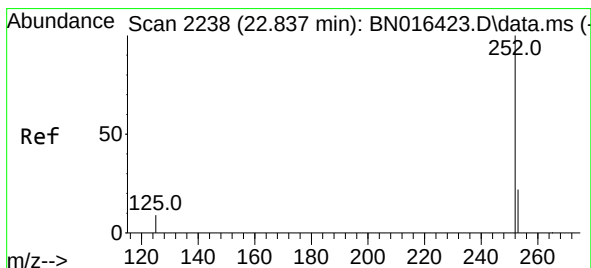
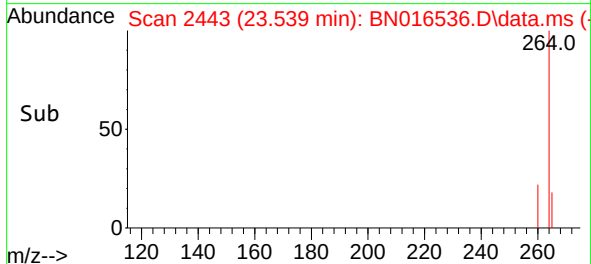
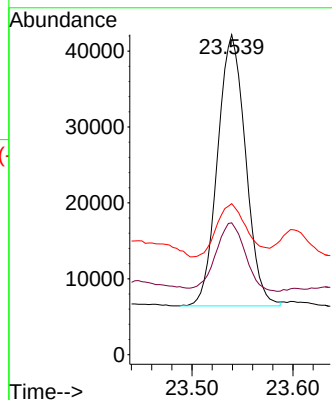


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.539 min Scan# 2443
Delta R.T. 0.021 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Instrument :
BNA_N
ClientSampled :

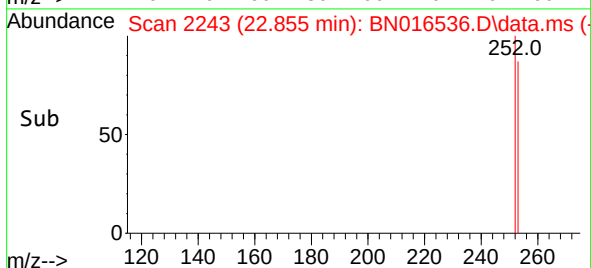
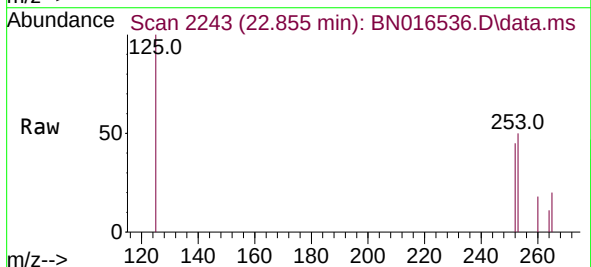
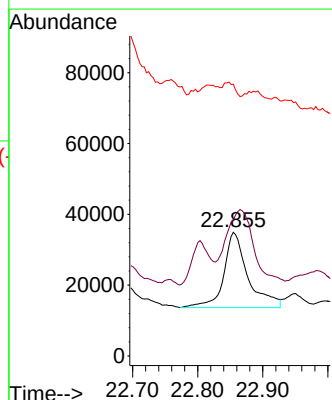


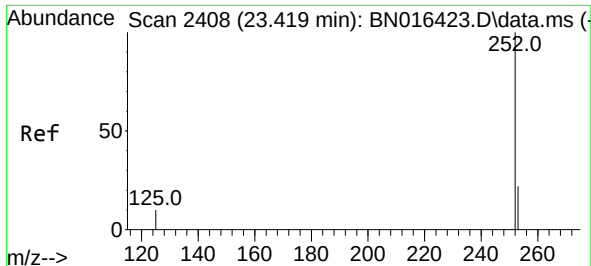
Tgt Ion:264 Resp: 68848
Ion Ratio Lower Upper
264 100
260 41.2 18.9 28.3#
265 47.2 23.7 35.5#



#37
Benzo(b)fluoranthene
Concen: 0.240 ng
RT: 22.855 min Scan# 2243
Delta R.T. 0.017 min
Lab File: BN016536.D
Acq: 27 Sep 2021 07:27

Tgt Ion:252 Resp: 55304
Ion Ratio Lower Upper
252 100
253 110.4 18.2 27.2#
125 219.8 8.4 12.6#





#39

Benzo(a)pyrene

Concen: 0.164 ng

RT: 23.437 min Scan# 2413

Delta R.T. 0.017 min

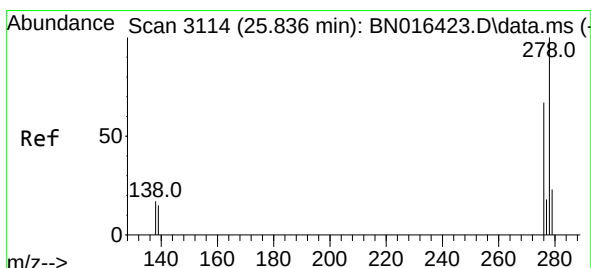
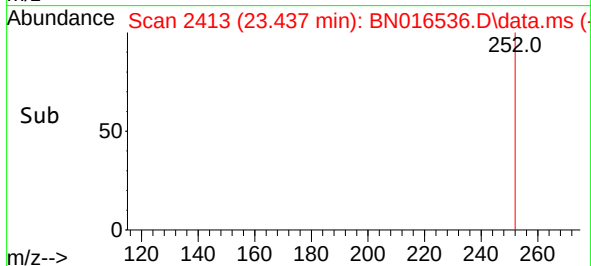
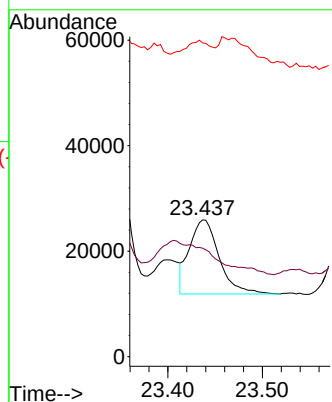
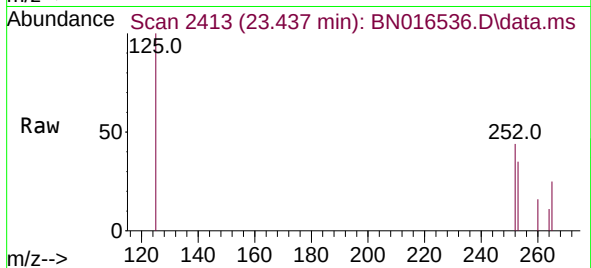
Lab File: BN016536.D

Acq: 27 Sep 2021 07:27

Tgt Ion:252 Resp: 30697

Ion	Ratio	Lower	Upper
252	100		
253	79.3	18.7	28.1#
125	229.3	9.9	14.9#

Instrument :
BNA_N
ClientSampled :



#40

Dibenzo(a,h)anthracene

Concen: 0.026 ng

RT: 25.840 min Scan# 3115

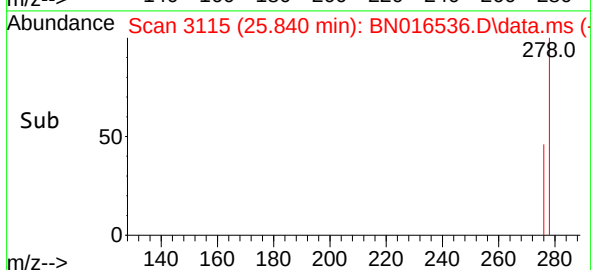
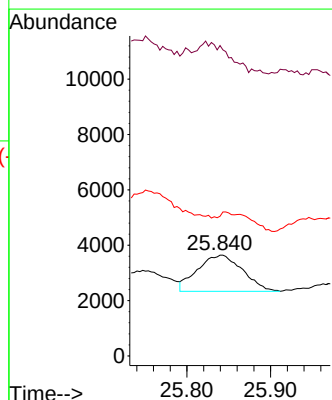
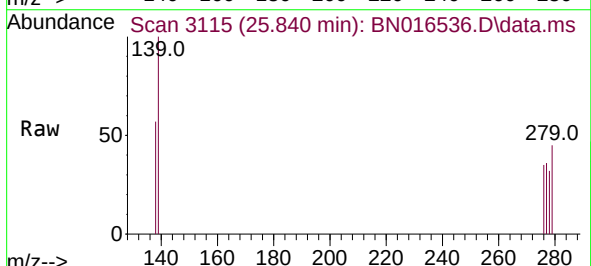
Delta R.T. 0.004 min

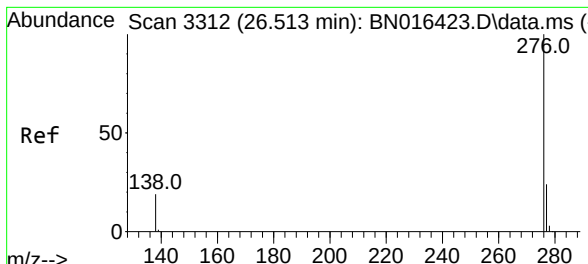
Lab File: BN016536.D

Acq: 27 Sep 2021 07:27

Tgt Ion:278 Resp: 4883

Ion	Ratio	Lower	Upper
278	100		
139	307.9	14.2	21.2#
279	138.5	21.3	31.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.040 ng
 RT: 26.538 min Scan# 3319
 Delta R.T. 0.024 min
 Lab File: BN016536.D
 Acq: 27 Sep 2021 07:27

Instrument :
 BNA_N
 ClientSampleId :

Tgt Ion:	276	Resp:	7895
Ion Ratio	Lower	Upper	
276	100		
277	70.7	20.5	30.7#
138	96.9	18.2	27.4#

