

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016534.D
 Acq On : 27 Sep 2021 06:15
 Operator : CG/JU
 Sample : M3892-08
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-823-N-SO-1-1.5-092221

Quant Time: Sep 27 09:20:06 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

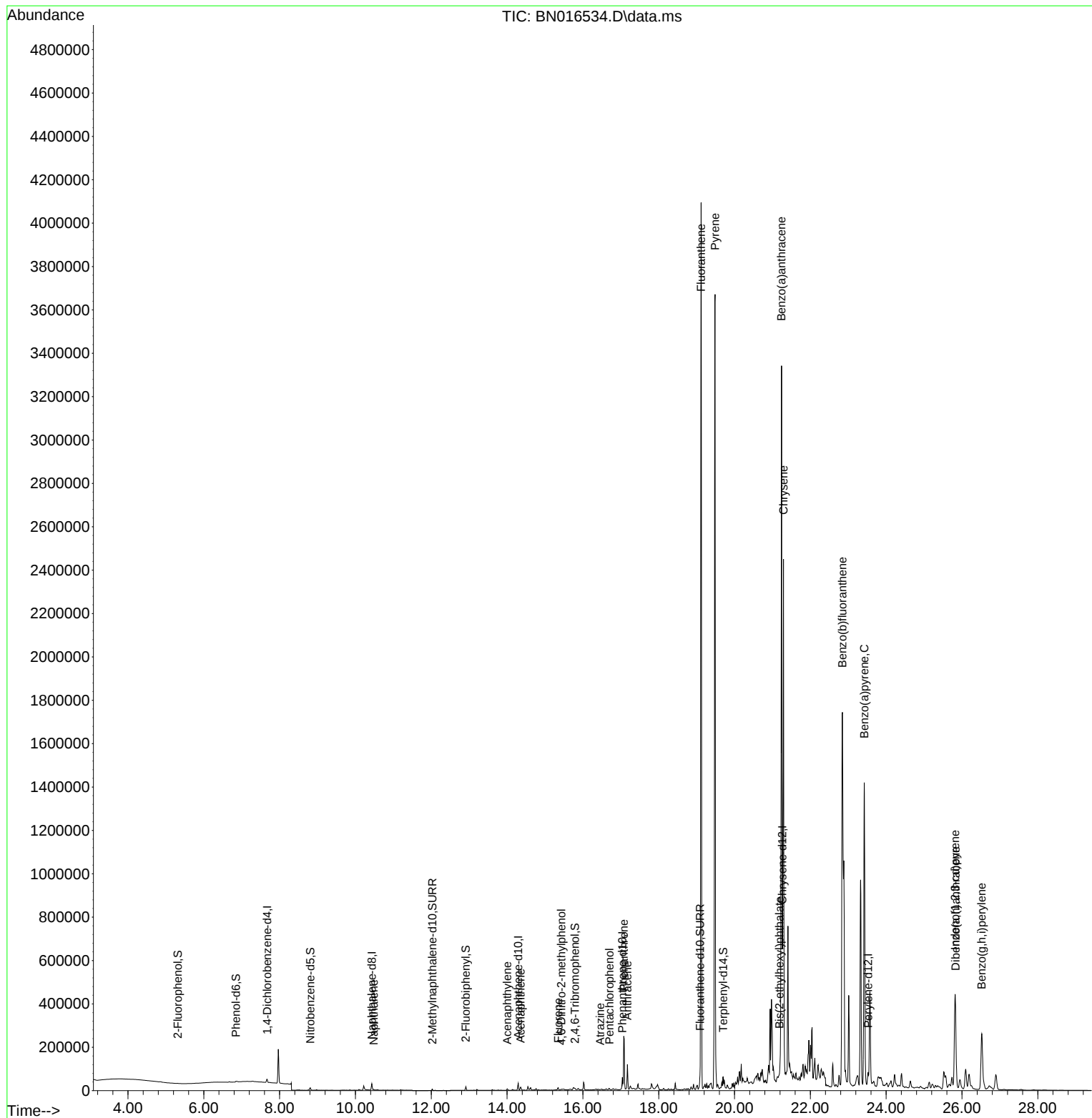
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	9226	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	35793	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	13855	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	68580	0.400	ng	0.00
29) Chrysene-d12	21.259	240	103491	0.400	ng	0.01
35) Perylene-d12	23.522	264	75456	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.310	112	762	0.037	ng	0.03
5) Phenol-d6	6.849	99	2494	0.102	ng	0.00
8) Nitrobenzene-d5	8.810	82	9327	0.368	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	9025	0.170	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1816	0.477	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	13617	0.234	ng	-0.01
27) Fluoranthene-d10	19.088	212	64742	0.344	ng	0.00
31) Terphenyl-d14	19.698	244	56105	0.233	ng	0.00
Target Compounds						
9) Naphthalene	10.483	128	3412	0.036	ng	# 93
16) Acenaphthylene	14.002	152	6636	0.118	ng	97
17) Acenaphthene	14.358	154	4339	0.108	ng	# 50
18) Fluorene	15.347	166	6553	0.136	ng	# 91
20) 4,6-Dinitro-2-methylph...	15.436	198	142	0.165	ng	# 1
23) Atrazine	16.458	200	51	0.136	ng	# 5
24) Pentachlorophenol	16.701	266	199	0.254	ng	94
25) Phenanthrene	17.078	178	282918	1.386	ng	98
26) Anthracene	17.176	178	108622	0.639	ng	97
28) Fluoranthene	19.117	202	3772395	16.866	ng	98
30) Pyrene	19.485	202	3475038	10.724	ng	# 93
32) Benzo(a)anthracene	21.238	228	2752812	9.173	ng	96
33) Chrysene	21.291	228	2190571	6.794	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	10454	0.128	ng	# 71
36) Indeno(1,2,3-cd)pyrene	25.819	276	691087	2.827	ng	97
37) Benzo(b)fluoranthene	22.844	252	3053727	12.113	ng	100
39) Benzo(a)pyrene	23.423	252	1962107	9.546	ng	97
40) Dibenzo(a,h)anthracene	25.833	278	185088	0.889	ng	97
41) Benzo(g,h,i)perylene	26.521	276	552965	2.586	ng	97

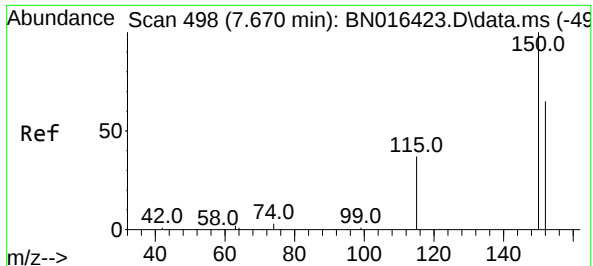
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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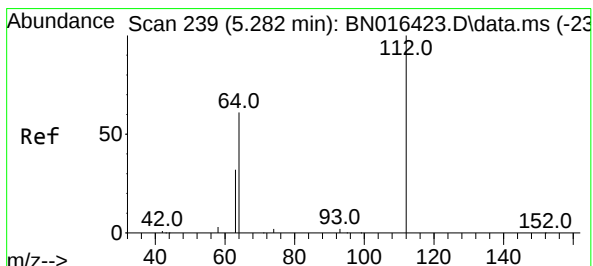
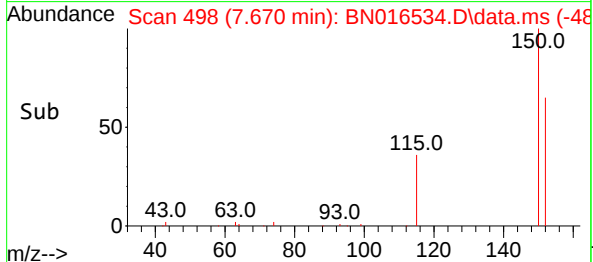
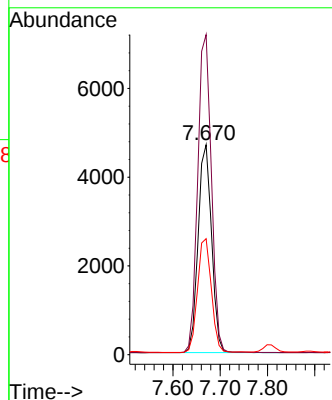
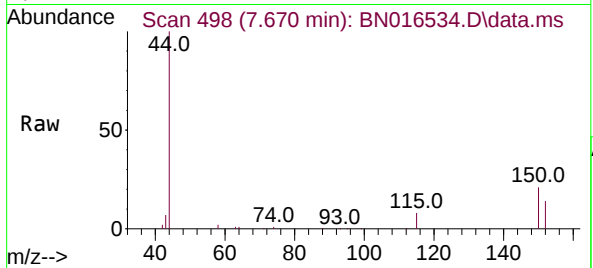




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

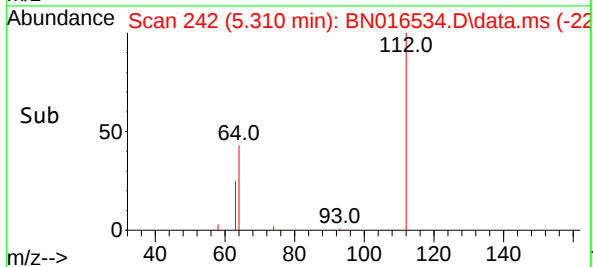
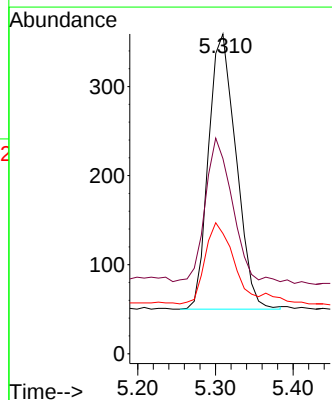
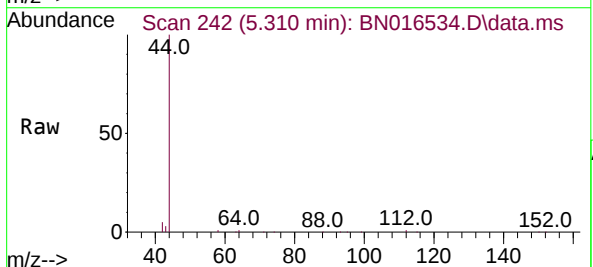
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

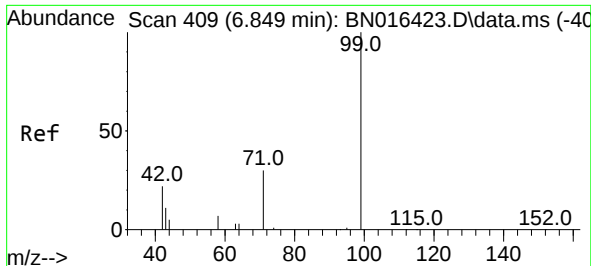
Tgt Ion:152 Resp: 9226
Ion Ratio Lower Upper
152 100
150 152.4 125.6 188.4
115 55.3 50.2 75.2



#4
2-Fluorophenol
Concen: 0.037 ng
RT: 5.310 min Scan# 242
Delta R.T. 0.028 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:112 Resp: 762
Ion Ratio Lower Upper
112 100
64 50.9 47.3 70.9
63 30.3 23.4 35.0

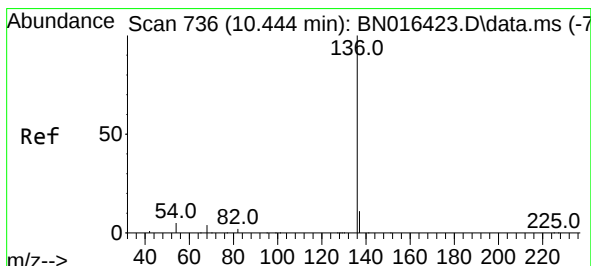
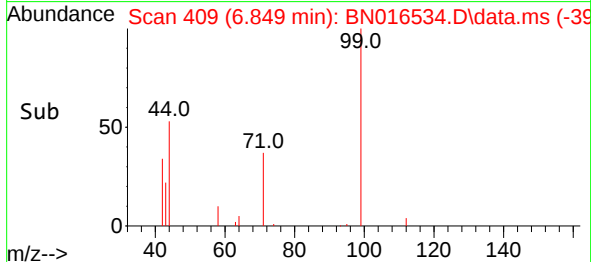
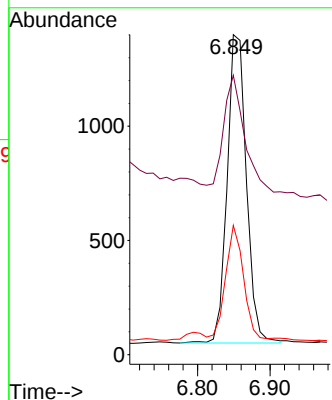
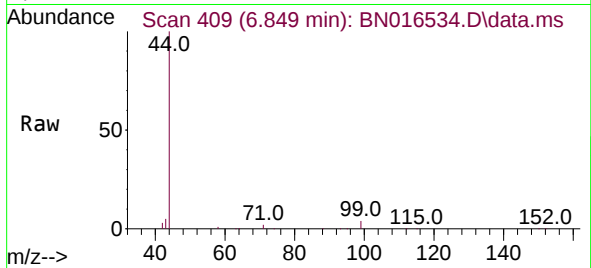




#5
Phenol-d6
Concen: 0.102 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

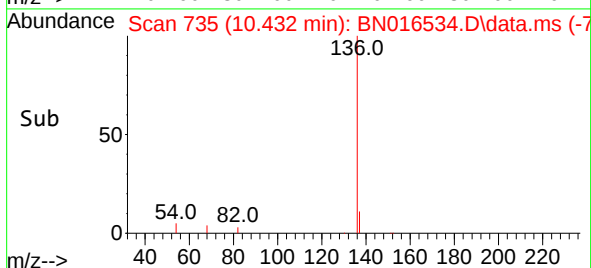
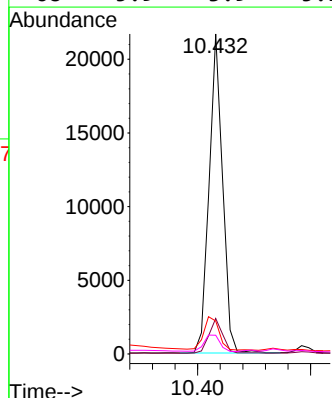
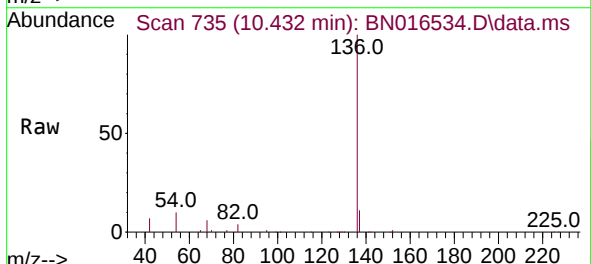
Instrument :
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ClientSampleId :
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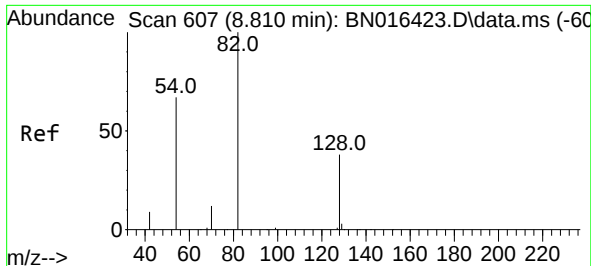
Tgt Ion: 99 Resp: 2494
Ion Ratio Lower Upper
99 100
42 40.9 14.0 21.0#
71 33.6 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion: 136 Resp: 35793
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.3 5.3 7.9#
68 5.9 3.9 5.9

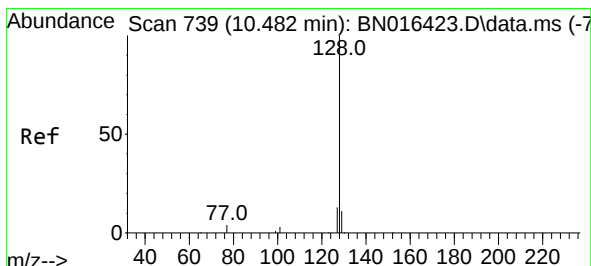
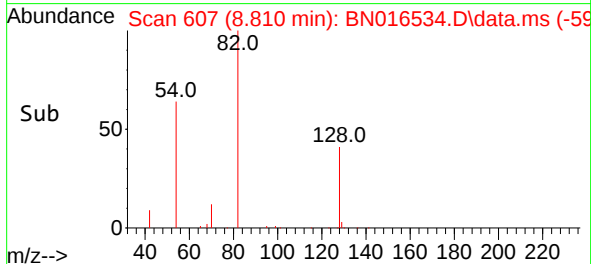
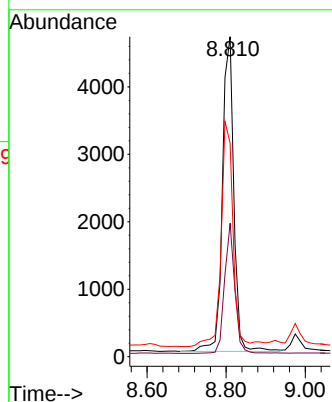
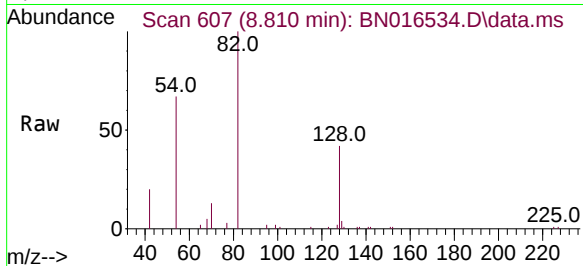




#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

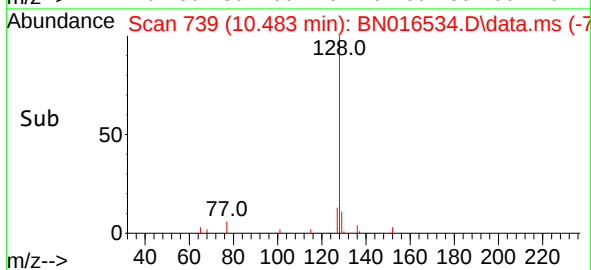
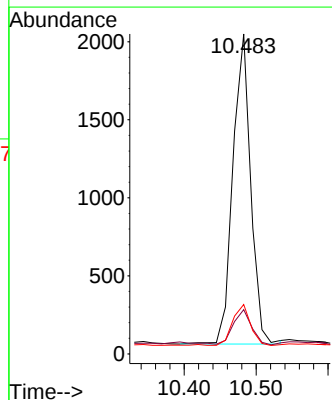
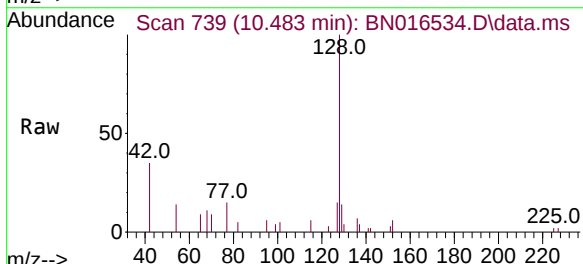
Instrument :
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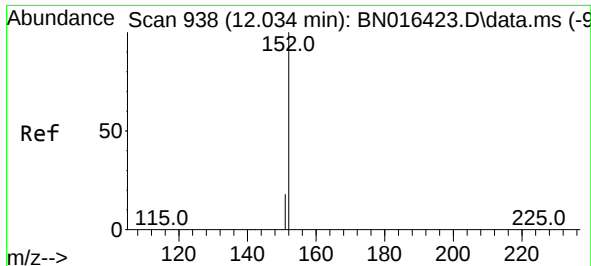
Tgt Ion: 82 Resp: 9327
Ion Ratio Lower Upper
82 100
128 41.7 31.7 47.5
54 66.7 46.4 69.6



#9
Naphthalene
Concen: 0.036 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion: 128 Resp: 3412
Ion Ratio Lower Upper
128 100
129 13.9 8.9 13.3#
127 15.4 10.1 15.1#

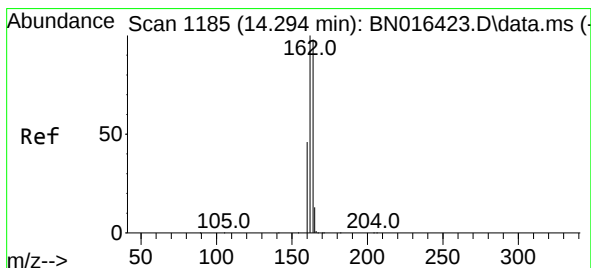
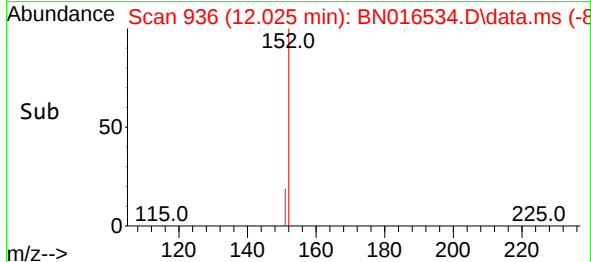
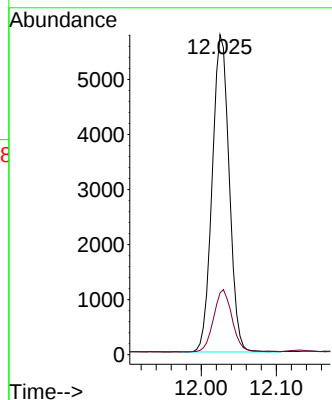
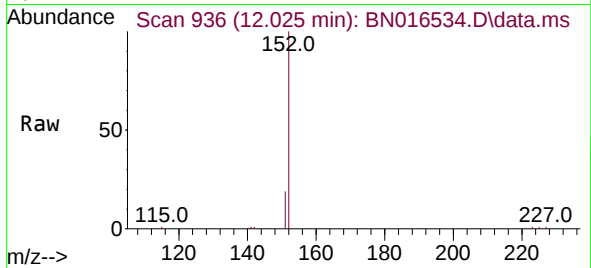




#11
2-Methylnaphthalene-d10
Concen: 0.170 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

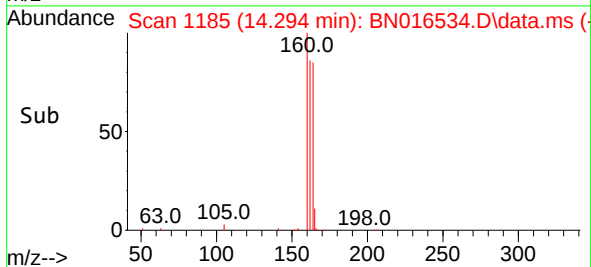
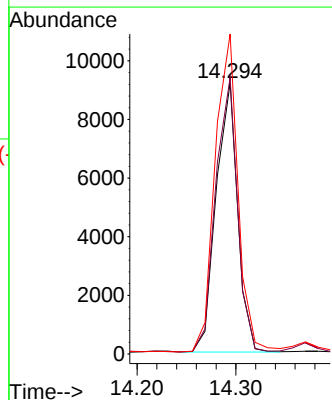
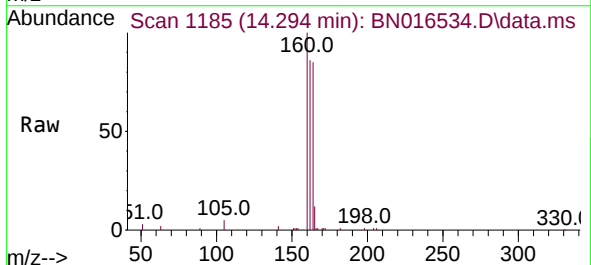
Instrument :
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ClientSampleId :
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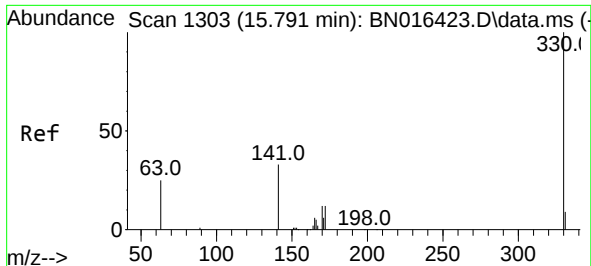
Tgt Ion:152 Resp: 9025
Ion Ratio Lower Upper
152 100
151 21.3 16.1 24.1



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:164 Resp: 13855
Ion Ratio Lower Upper
164 100
162 102.0 79.0 118.4
160 118.1 34.1 51.1#

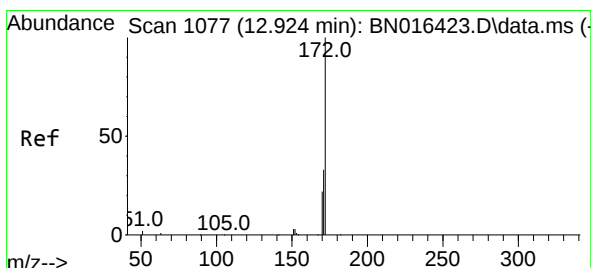
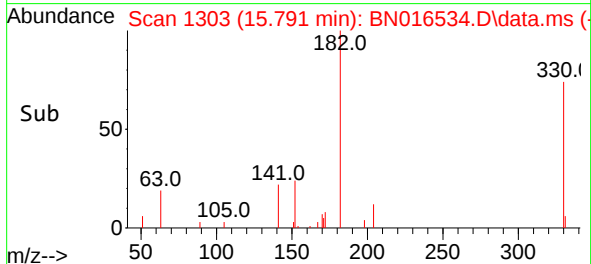
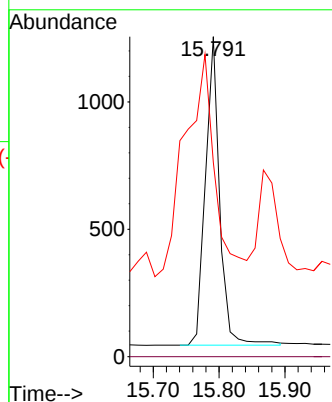
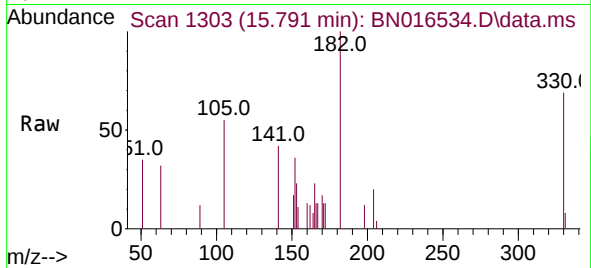




#14
2,4,6-Tribromophenol
Concen: 0.477 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

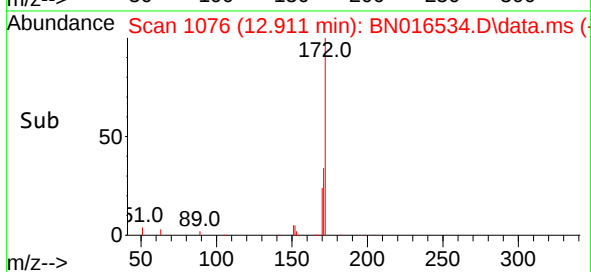
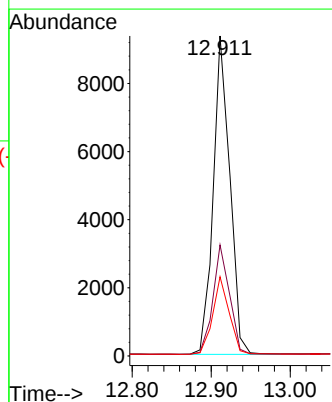
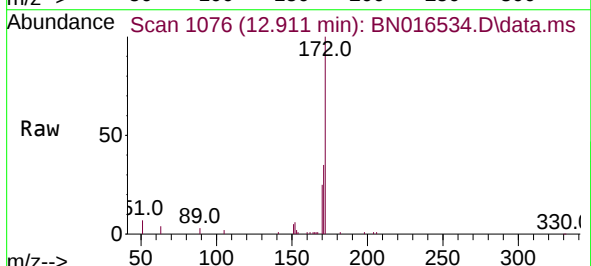
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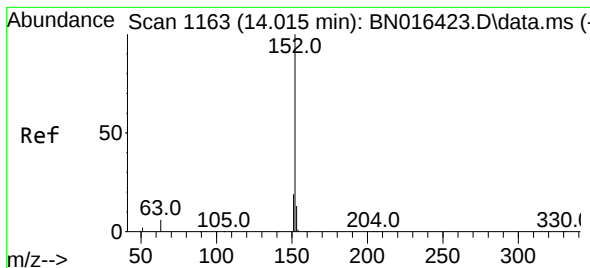
Tgt Ion: 330 Resp: 1816
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 138.4 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion: 172 Resp: 13617
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 24.8 18.2 27.2

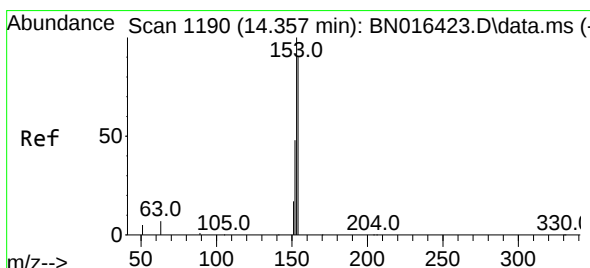
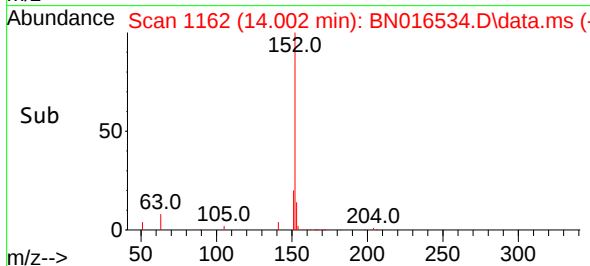
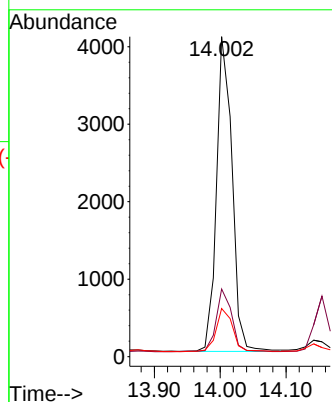
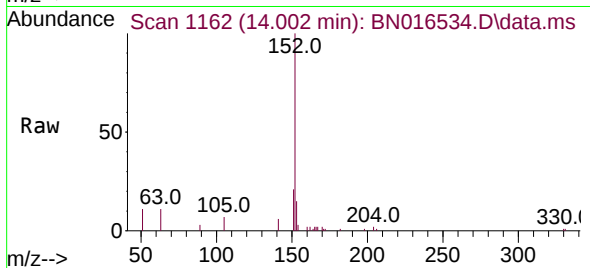




#16
Acenaphthylene
Concen: 0.118 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

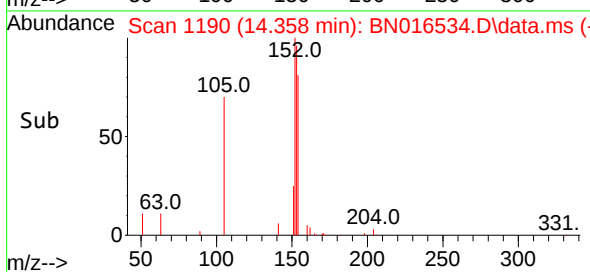
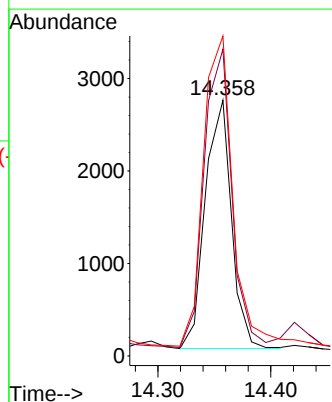
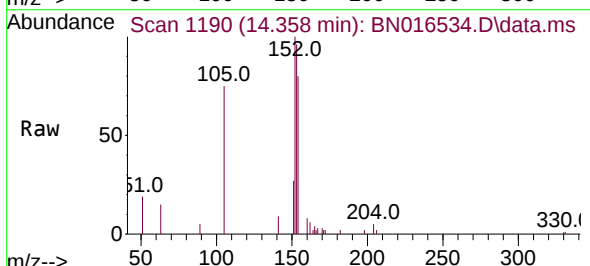
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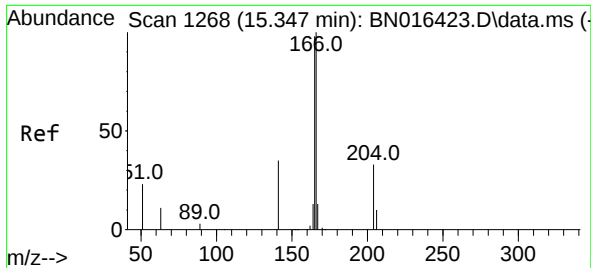
Tgt Ion:152 Resp: 6636
Ion Ratio Lower Upper
152 100
151 20.2 15.2 22.8
153 14.8 10.5 15.7



#17
Acenaphthene
Concen: 0.108 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:154 Resp: 4339
Ion Ratio Lower Upper
154 100
153 126.6 89.3 133.9
152 142.6 42.2 63.4#

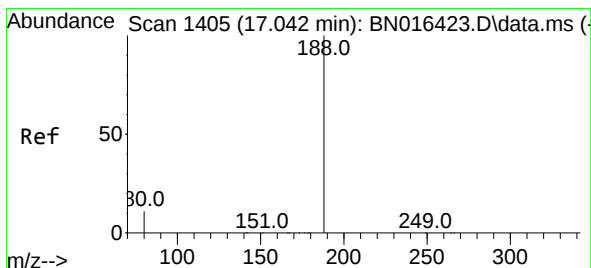
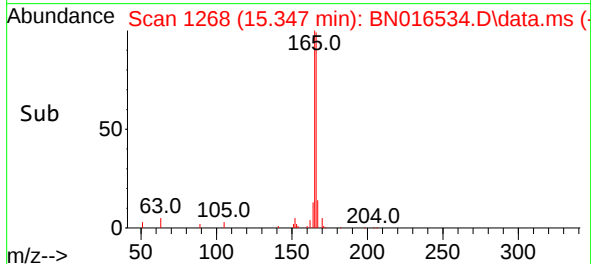
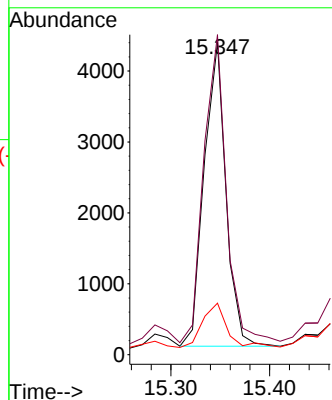
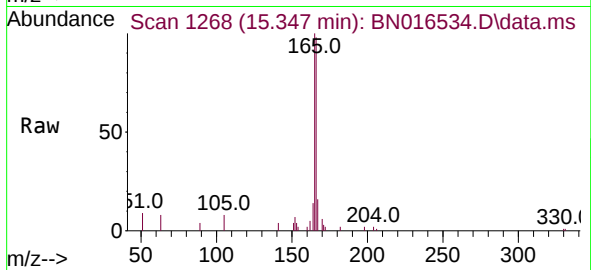




#18
Fluorene
Concen: 0.136 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

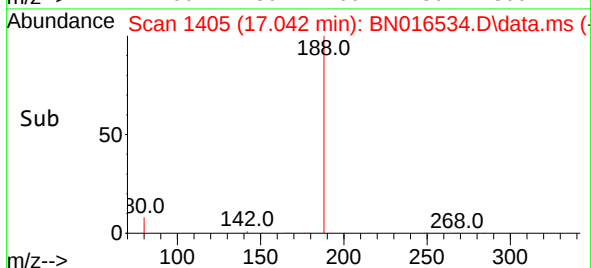
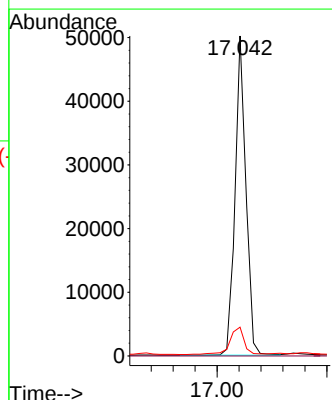
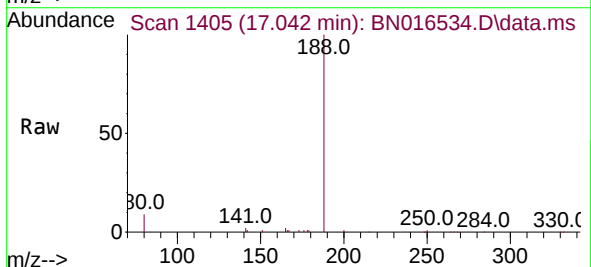
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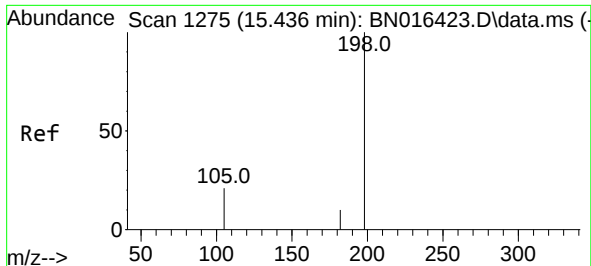
Tgt Ion:166 Resp: 6553
Ion Ratio Lower Upper
166 100
165 104.8 76.7 115.1
167 16.6 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:188 Resp: 68580
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 7.0 10.6

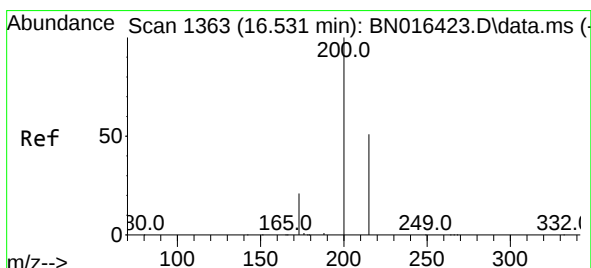
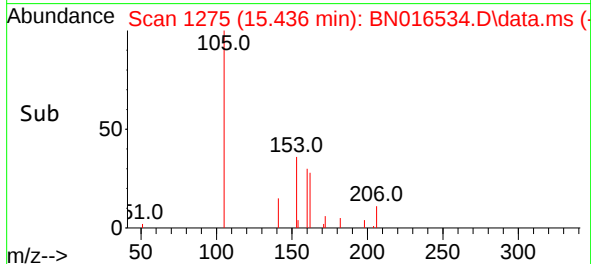
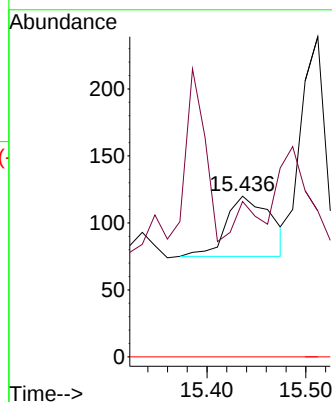
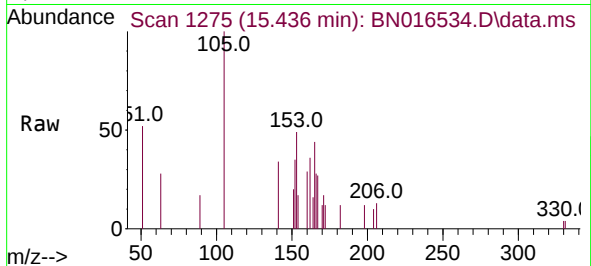




#20
4,6-Dinitro-2-methylphenol
Concen: 0.165 ng
RT: 15.436 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

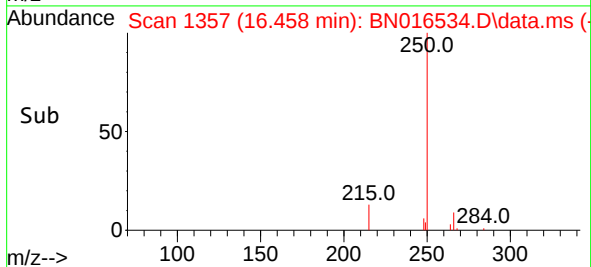
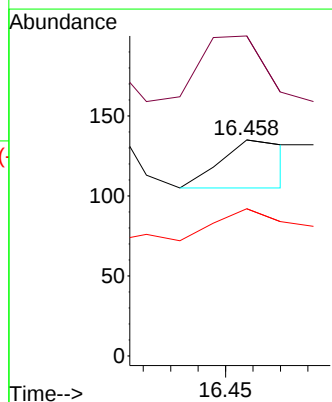
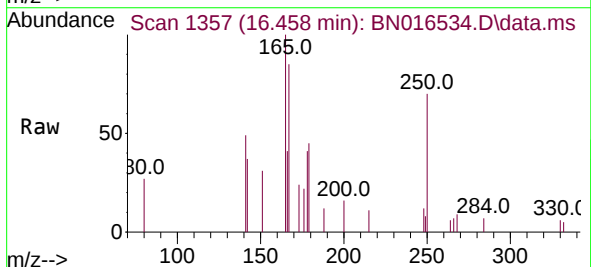
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

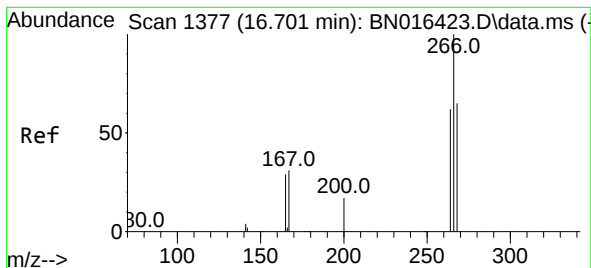
Tgt Ion:198 Resp: 142
Ion Ratio Lower Upper
198 100
182 96.7 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.136 ng
RT: 16.458 min Scan# 1357
Delta R.T. -0.073 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:200 Resp: 51
Ion Ratio Lower Upper
200 100
173 148.1 18.7 28.1#
215 68.1 41.6 62.4#

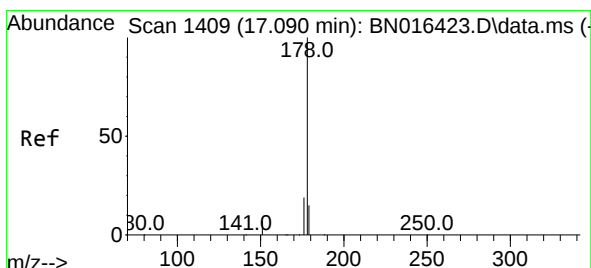
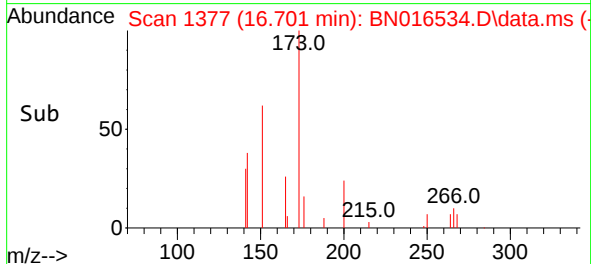
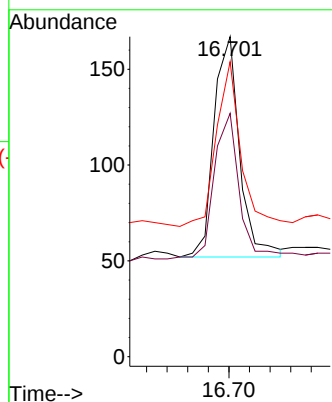
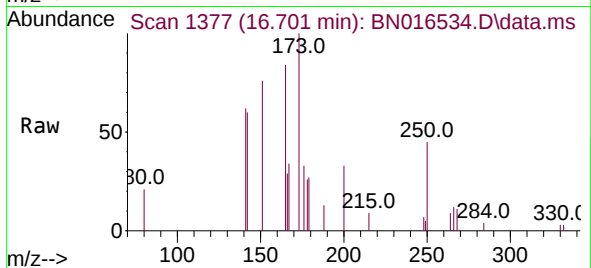




#24
 Pentachlorophenol
 Concen: 0.254 ng
 RT: 16.701 min Scan# 1377
 Delta R.T. 0.000 min
 Lab File: BN016534.D
 Acq: 27 Sep 2021 06:15

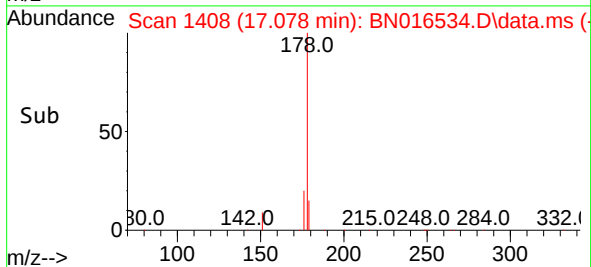
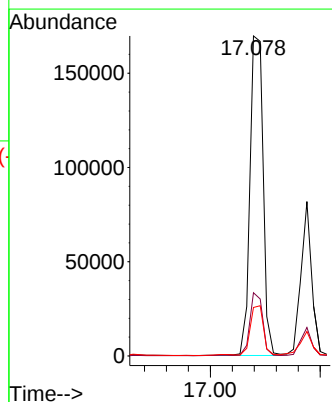
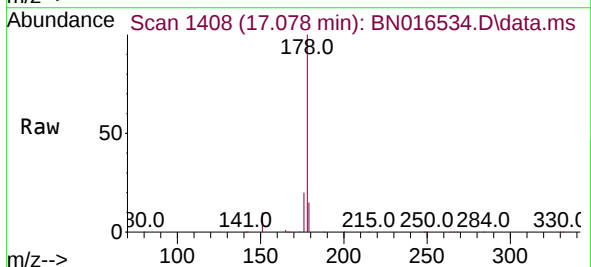
Instrument :
 BNA_N
 ClientSampleId :
 S-823-N-SO-1-1.5-092221

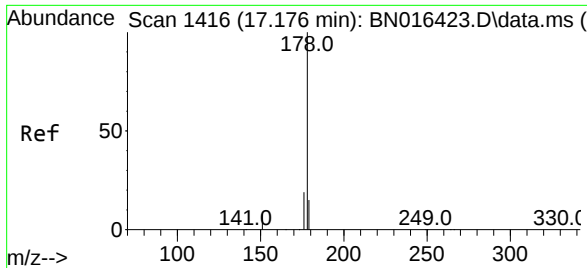
Tgt Ion:	266	Resp:	199
Ion Ratio	Lower	Upper	
266	100		
264	66.3	50.6	75.8
268	71.4	52.6	79.0



#25
 Phenanthrene
 Concen: 1.386 ng
 RT: 17.078 min Scan# 1408
 Delta R.T. -0.012 min
 Lab File: BN016534.D
 Acq: 27 Sep 2021 06:15

Tgt Ion:	178	Resp:	282918
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.4	21.6
179	16.1	12.2	18.4

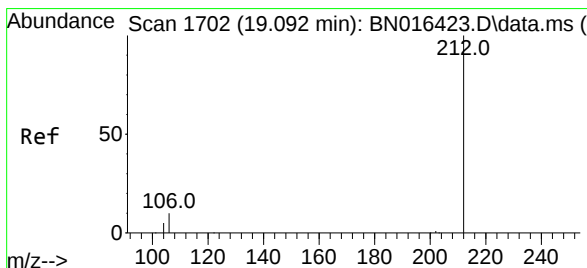
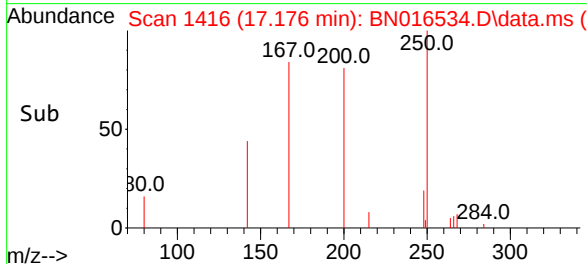
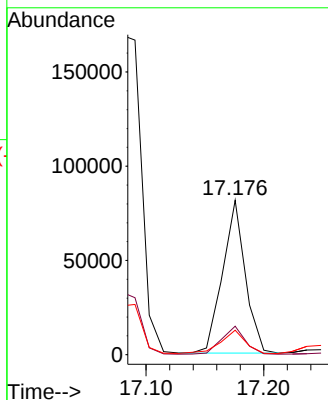
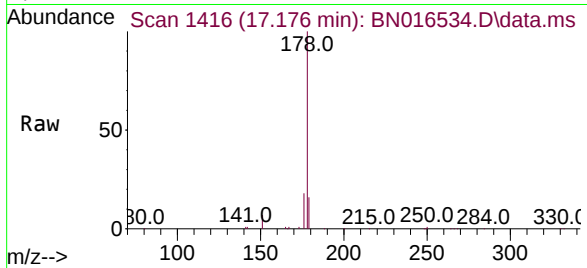




#26
 Anthracene
 Concen: 0.639 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. 0.000 min
 Lab File: BN016534.D
 Acq: 27 Sep 2021 06:15

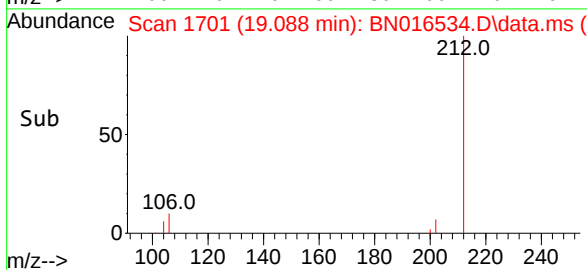
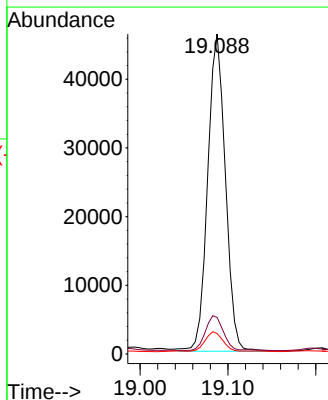
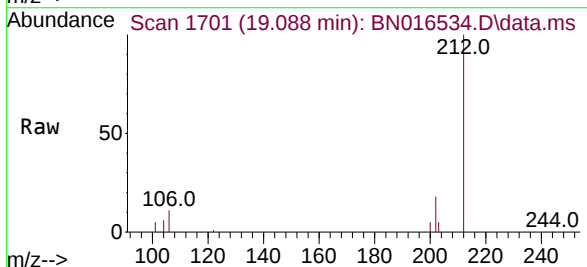
Instrument :
 BNA_N
 ClientSampleId :
 S-823-N-SO-1-1.5-092221

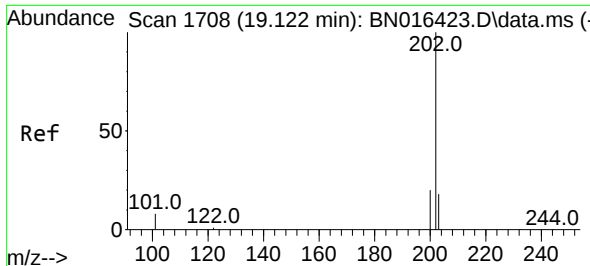
Tgt Ion:	178	Resp:	108622
Ion Ratio	Lower	Upper	
178	100		
176	18.6	13.9	20.9
179	16.6	12.2	18.4



#27
 Fluoranthene-d10
 Concen: 0.344 ng
 RT: 19.088 min Scan# 1701
 Delta R.T. -0.005 min
 Lab File: BN016534.D
 Acq: 27 Sep 2021 06:15

Tgt Ion:	212	Resp:	64742
Ion Ratio	Lower	Upper	
212	100		
106	11.0	9.8	14.6
104	6.1	5.4	8.2

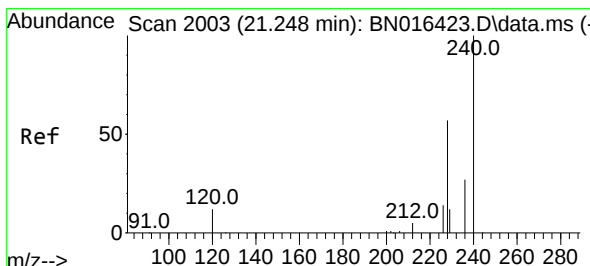
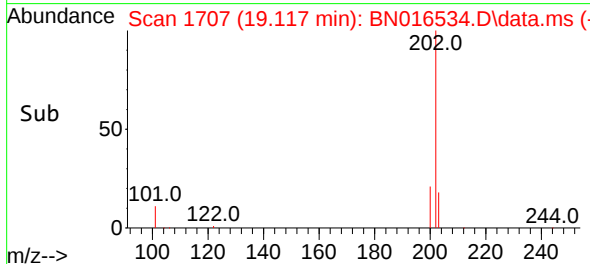
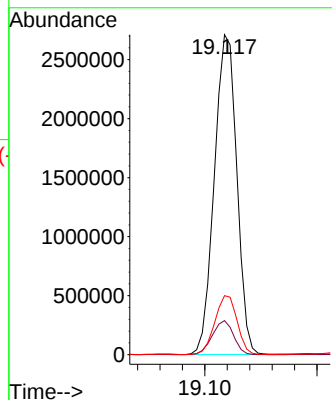
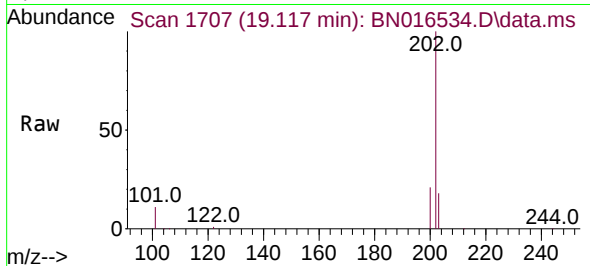




#28
Fluoranthene
Concen: 16.866 ng
RT: 19.117 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

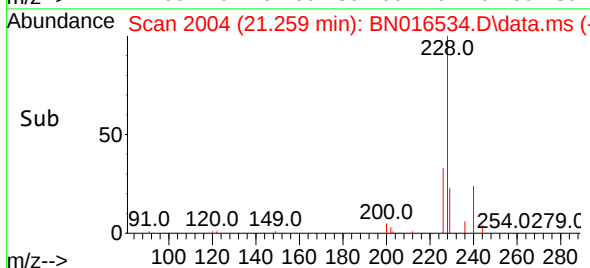
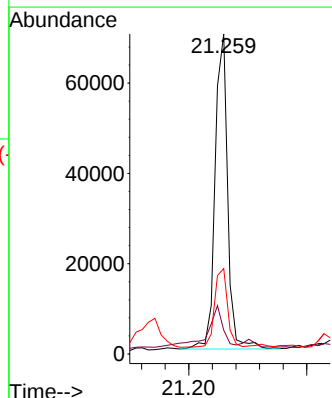
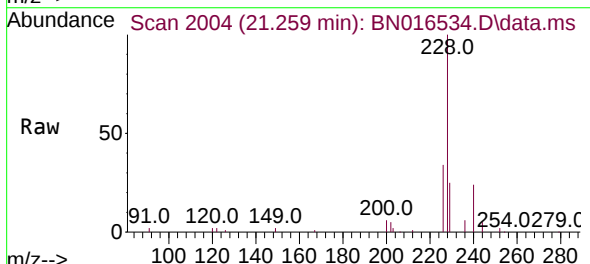
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

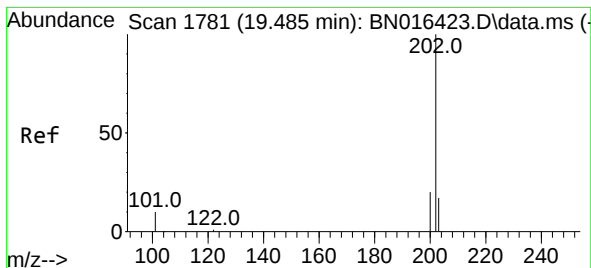
Tgt Ion:202 Resp: 3772395
Ion Ratio Lower Upper
202 100
101 10.1 8.5 12.7
203 18.2 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:240 Resp: 103491
Ion Ratio Lower Upper
240 100
120 7.5 5.3 7.9
236 26.7 19.8 29.8





#30

Pyrene

Concen: 10.724 ng

RT: 19.485 min Scan# 1781

Delta R.T. 0.000 min

Lab File: BN016534.D

Acq: 27 Sep 2021 06:15

Tgt Ion:202 Resp: 3475038

Ion Ratio Lower Upper

202 100

200 21.0 15.8 23.6

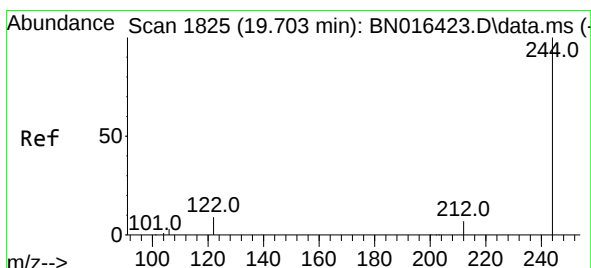
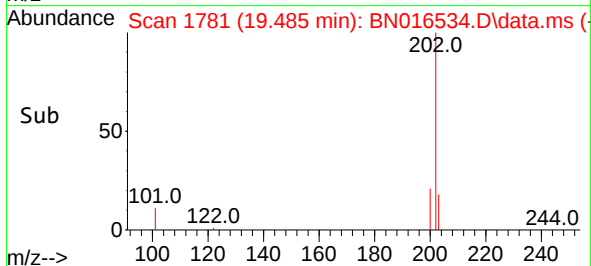
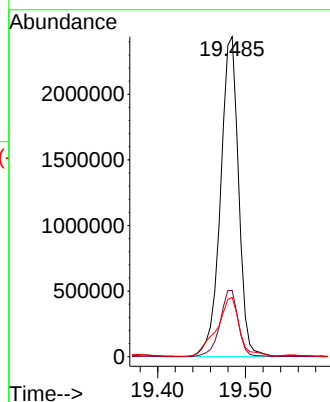
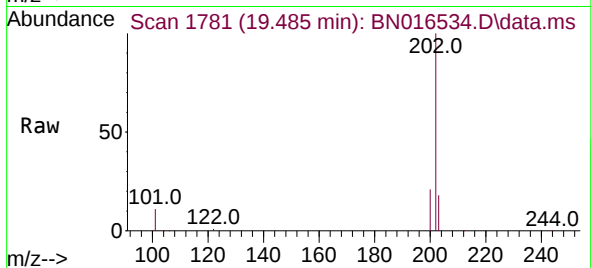
203 23.0 13.9 20.9#

Instrument :

BNA_N

ClientSampleId :

S-823-N-SO-1-1.5-092221



#31

Terphenyl-d14

Concen: 0.233 ng

RT: 19.698 min Scan# 1824

Delta R.T. -0.005 min

Lab File: BN016534.D

Acq: 27 Sep 2021 06:15

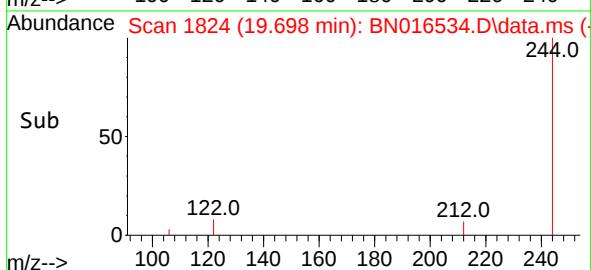
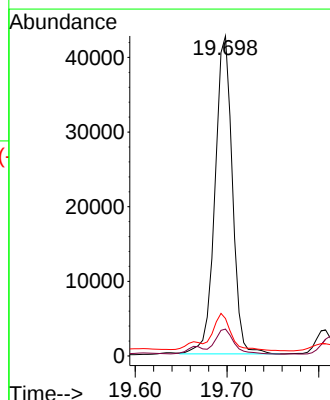
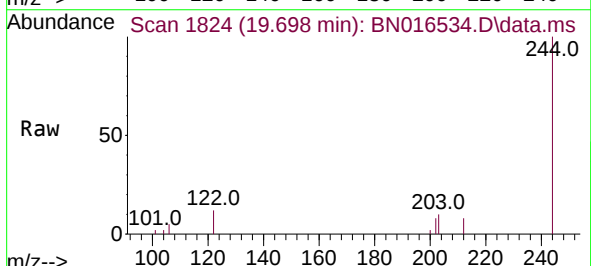
Tgt Ion:244 Resp: 56105

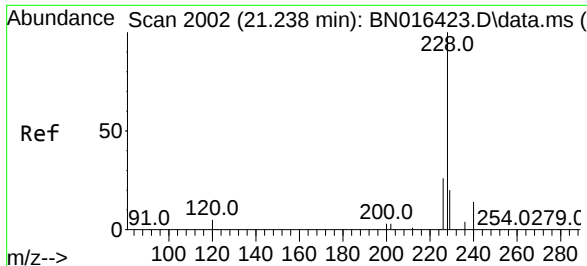
Ion Ratio Lower Upper

244 100

212 8.4 5.5 8.3#

122 11.7 9.0 13.4

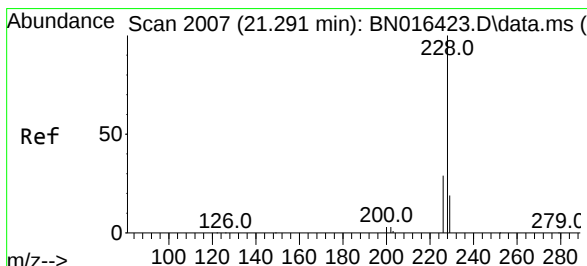
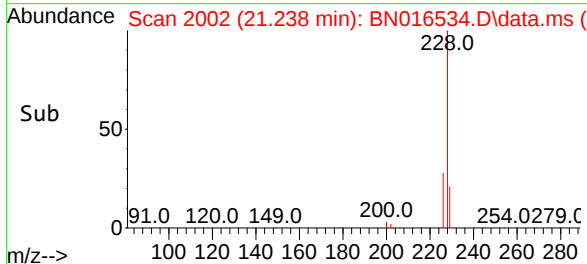
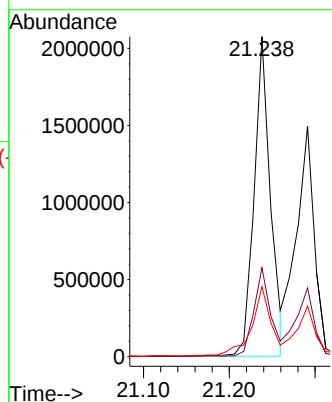
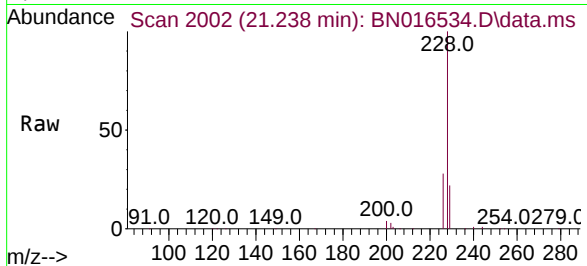




#32
Benzo(a)anthracene
Concen: 9.173 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

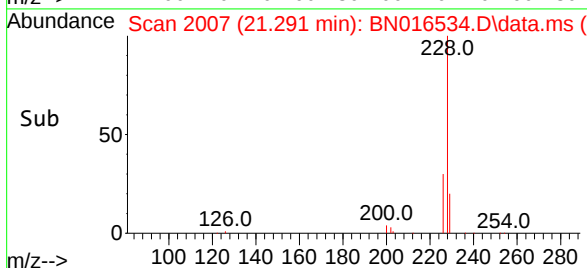
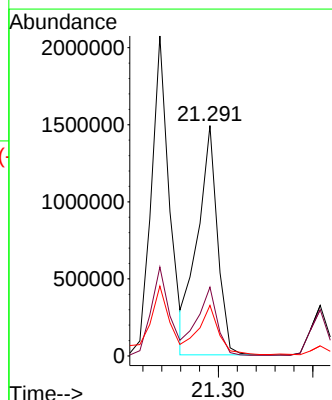
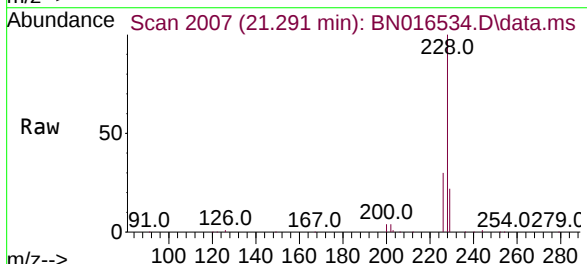
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

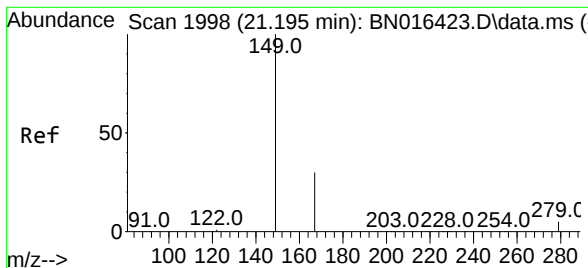
Tgt Ion:228 Resp: 2752812
Ion Ratio Lower Upper
228 100
226 27.8 20.8 31.2
229 21.8 15.8 23.6



#33
Chrysene
Concen: 6.794 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:228 Resp: 2190571
Ion Ratio Lower Upper
228 100
226 29.9 23.0 34.4
229 21.9 15.6 23.4

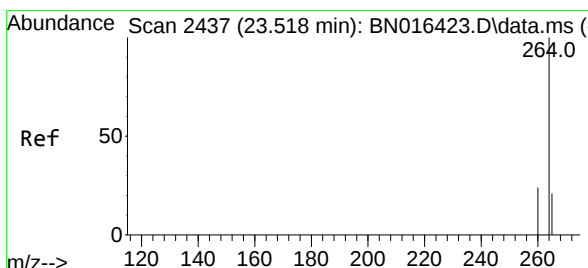
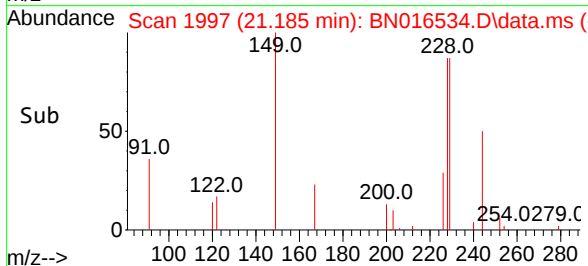
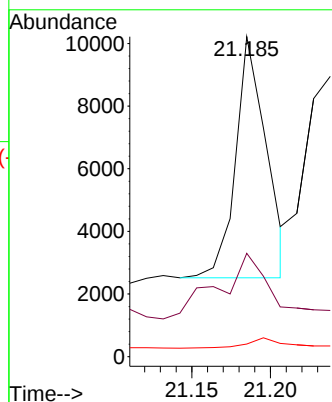
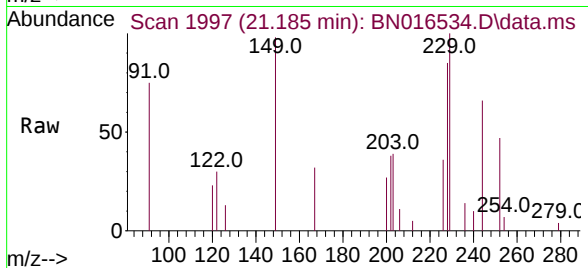




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.128 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.010 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

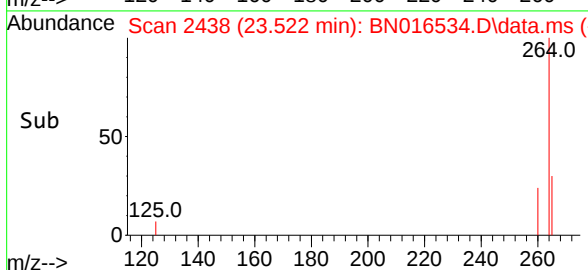
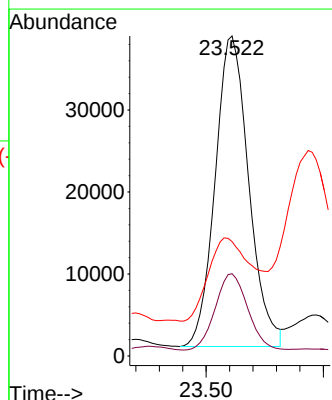
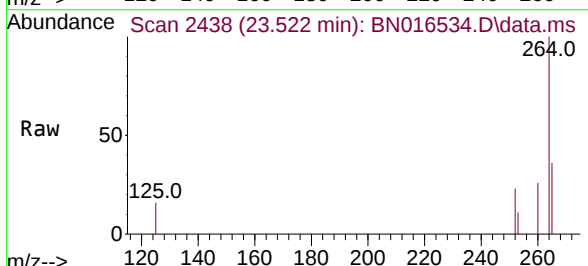
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

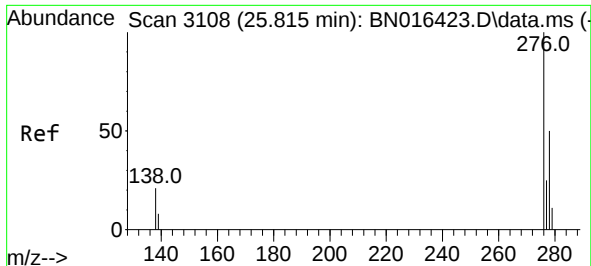
Tgt Ion:149 Resp: 10454
Ion Ratio Lower Upper
149 100
167 47.3 23.4 35.0#
279 6.1 3.9 5.9#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2438
Delta R.T. 0.004 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:264 Resp: 75456
Ion Ratio Lower Upper
264 100
260 25.7 18.9 28.3
265 35.7 23.7 35.5#

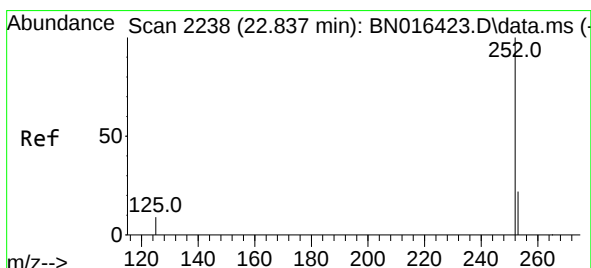
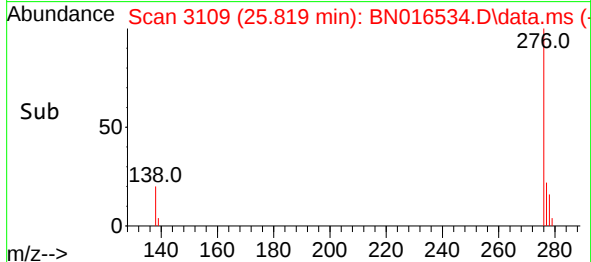
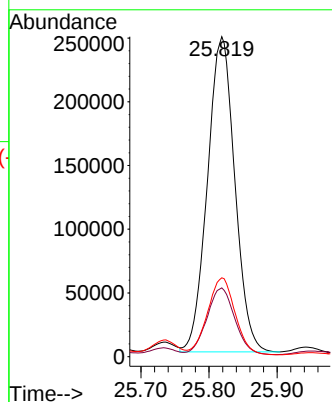
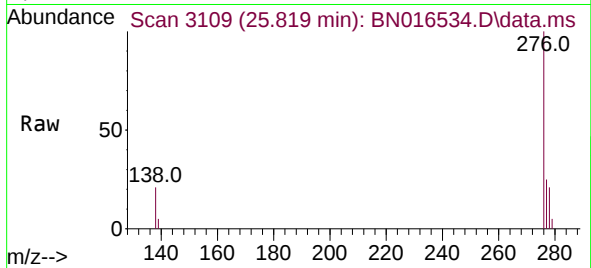




#36
Indeno(1,2,3-cd)pyrene
Concen: 2.827 ng
RT: 25.819 min Scan# 3109
Delta R.T. 0.004 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

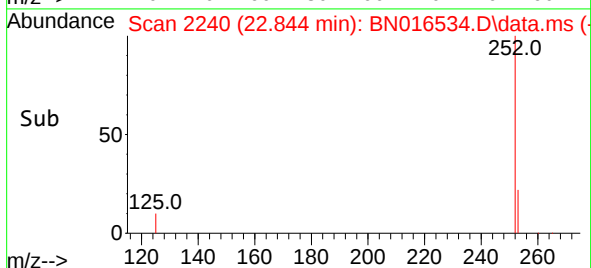
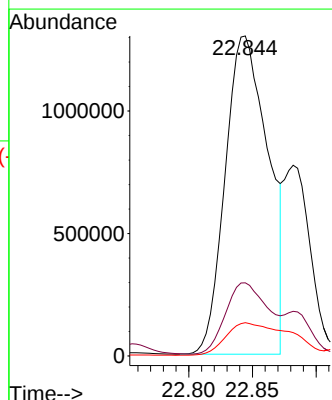
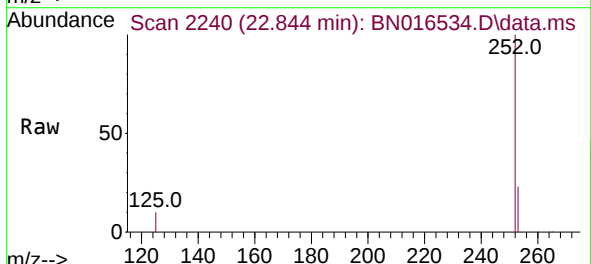
Instrument :
BNA_N
ClientSampleId :
S-823-N-SO-1-1.5-092221

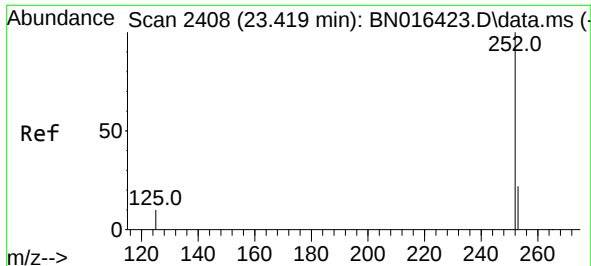
Tgt Ion:276 Resp: 691087
Ion Ratio Lower Upper
276 100
138 21.5 19.3 28.9
277 24.5 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 12.113 ng
RT: 22.844 min Scan# 2240
Delta R.T. 0.007 min
Lab File: BN016534.D
Acq: 27 Sep 2021 06:15

Tgt Ion:252 Resp: 3053727
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.2
125 10.4 8.4 12.6





#39

Benzo(a)pyrene

Concen: 9.546 ng

RT: 23.423 min Scan# 2409

Delta R.T. 0.004 min

Lab File: BN016534.D

Acq: 27 Sep 2021 06:15

Instrument :

BNA_N

ClientSampleId :

S-823-N-SO-1-1.5-092221

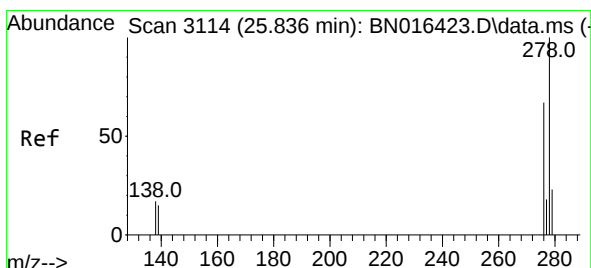
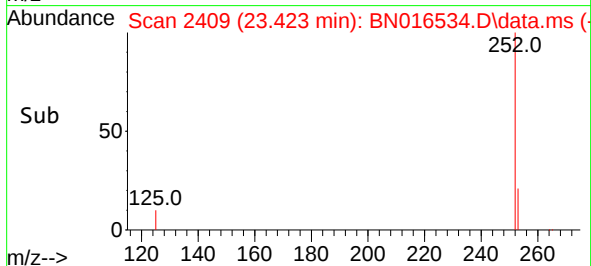
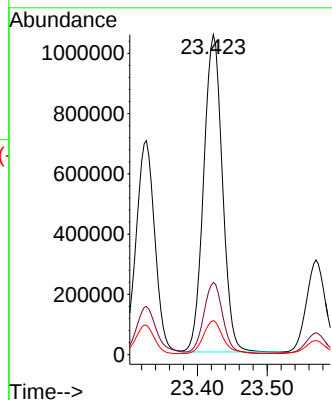
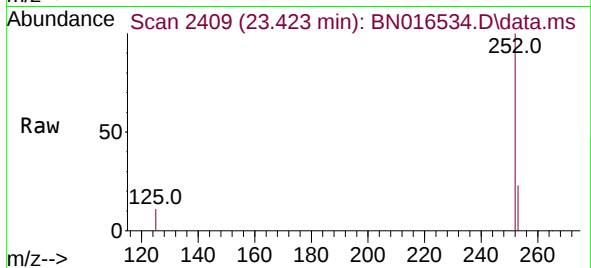
Tgt Ion:252 Resp: 1962107

Ion Ratio Lower Upper

252 100

253 22.6 18.7 28.1

125 10.7 9.9 14.9



#40

Dibenzo(a,h)anthracene

Concen: 0.889 ng

RT: 25.833 min Scan# 3113

Delta R.T. -0.003 min

Lab File: BN016534.D

Acq: 27 Sep 2021 06:15

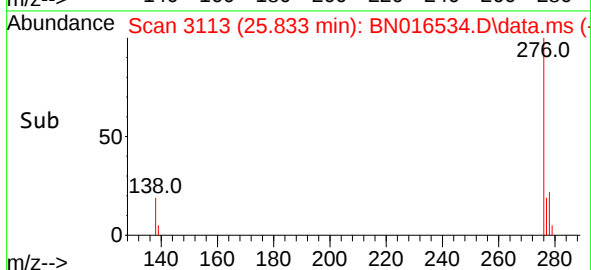
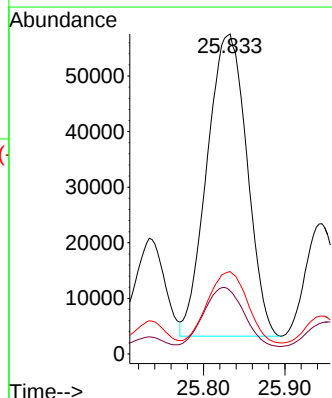
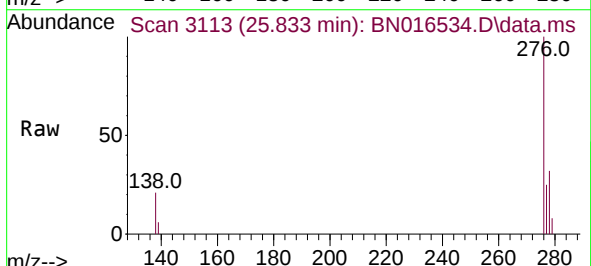
Tgt Ion:278 Resp: 185088

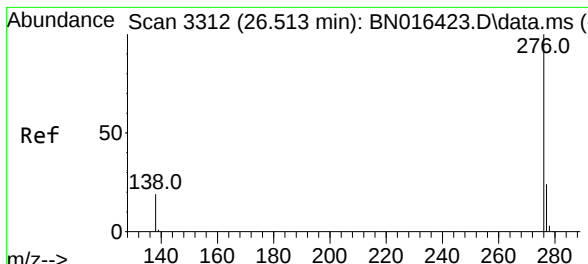
Ion Ratio Lower Upper

278 100

139 19.7 14.2 21.2

279 25.7 21.3 31.9





#41
 Benzo(g,h,i)perylene
 Concen: 2.586 ng
 RT: 26.521 min Scan# 3314
 Delta R.T. 0.007 min
 Lab File: BN016534.D
 Acq: 27 Sep 2021 06:15

Instrument :
 BNA_N
ClientSampleId :
 S-823-N-SO-1-1.5-092221

Tgt Ion:	276	Resp:	552965
Ion Ratio	Lower	Upper	
276	100		
277	24.2	20.5	30.7
138	21.4	18.2	27.4

