

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016527.D
 Acq On : 27 Sep 2021 02:02
 Operator : CG/JU
 Sample : M3945-07
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421

Quant Time: Sep 27 05:33:17 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)

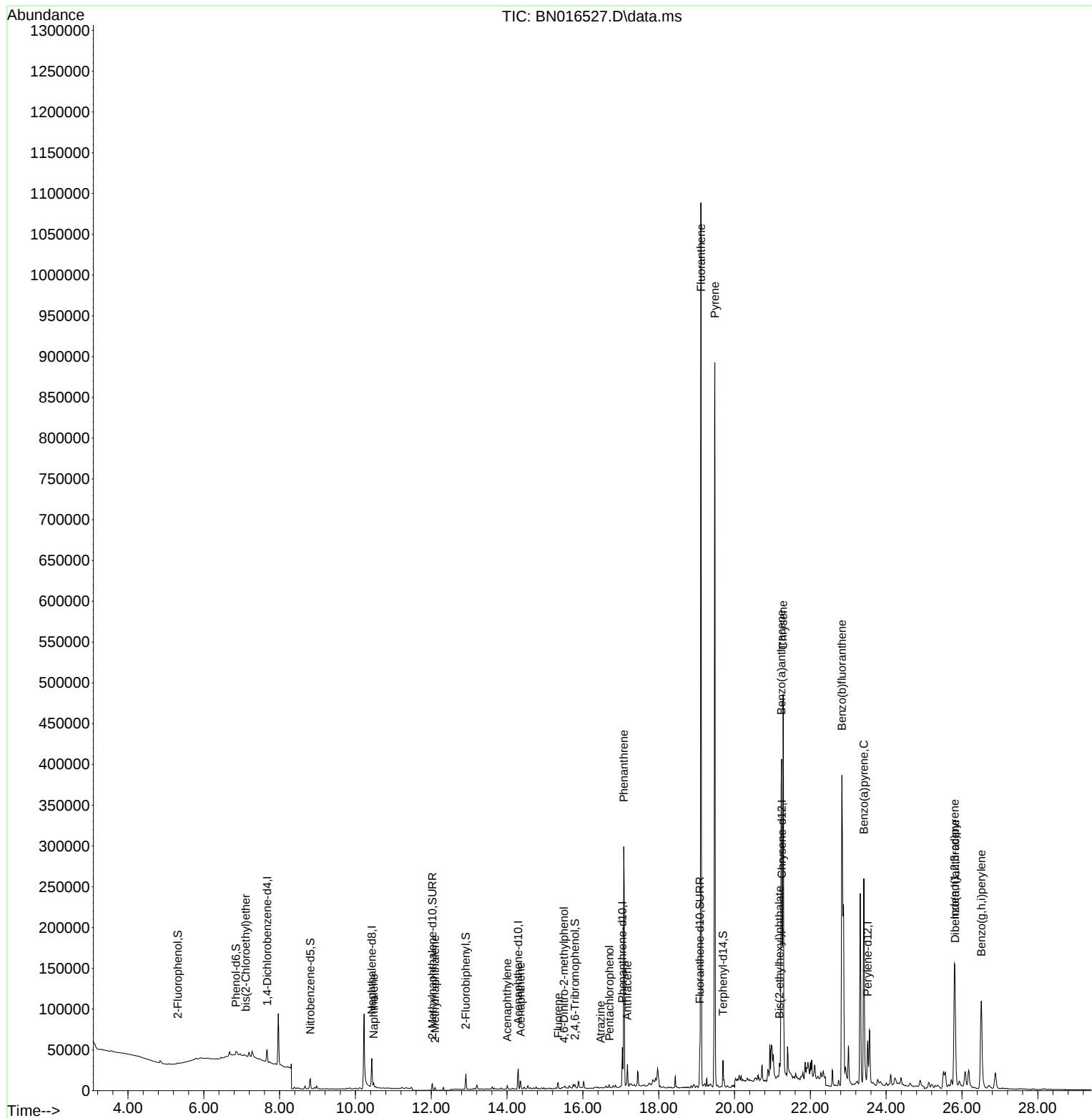
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	9530	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	43708	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	11696	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	58021	0.400	ng	0.00
29) Chrysene-d12	21.248	240	81661	0.400	ng	0.00
35) Perylene-d12	23.512	264	72307	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.309	112	1024	0.048	ng	0.03
5) Phenol-d6	6.849	99	3463	0.137	ng	0.00
8) Nitrobenzene-d5	8.810	82	10375	0.335	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	10880	0.168	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1554	0.482	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	15044	0.306	ng	-0.01
27) Fluoranthene-d10	19.083	212	53929	0.339	ng	0.00
31) Terphenyl-d14	19.693	244	32085	0.169	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.107	93	595	0.023	ng	# 25
9) Naphthalene	10.482	128	6513	0.056	ng	96
12) 2-Methylnaphthalene	12.100	142	2426	0.033	ng	# 92
16) Acenaphthylene	14.002	152	4110	0.086	ng	# 94
17) Acenaphthene	14.357	154	3966	0.117	ng	# 53
18) Fluorene	15.347	166	4452	0.110	ng	# 88
20) 4,6-Dinitro-2-methylph...	15.499	198	139	0.168	ng	# 13
23) Atrazine	16.470	200	78	0.138	ng	# 1
24) Pentachlorophenol	16.701	266	288	0.261	ng	99
25) Phenanthrene	17.078	178	319598	1.851	ng	98
26) Anthracene	17.176	178	25987	0.181	ng	# 94
28) Fluoranthene	19.112	202	938586	4.960	ng	99
30) Pyrene	19.480	202	795939	3.113	ng	96
32) Benzo(a)anthracene	21.238	228	348253	1.471	ng	96
33) Chrysene	21.280	228	434323	1.707	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	13268	0.206	ng	96
36) Indeno(1,2,3-cd)pyrene	25.805	276	250803	1.070	ng	96
37) Benzo(b)fluoranthene	22.834	252	640118	2.650	ng	99
39) Benzo(a)pyrene	23.409	252	368511	1.871	ng	96
40) Dibenzo(a,h)anthracene	25.819	278	54614	0.274	ng	# 92
41) Benzo(g,h,i)perylene	26.510	276	232265	1.133	ng	96

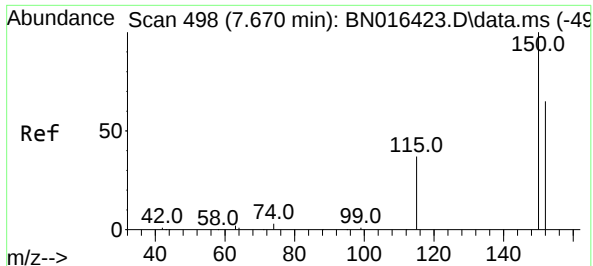
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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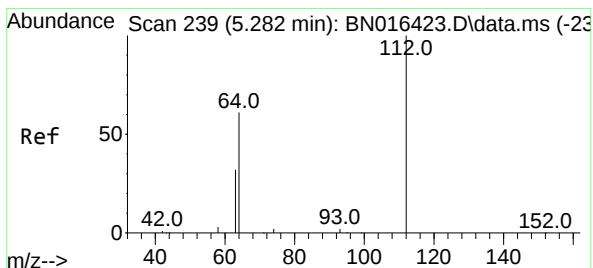
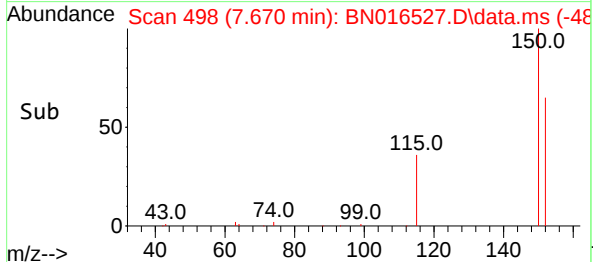
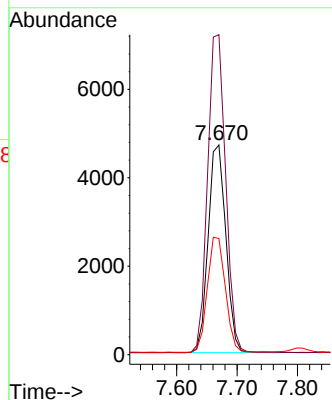
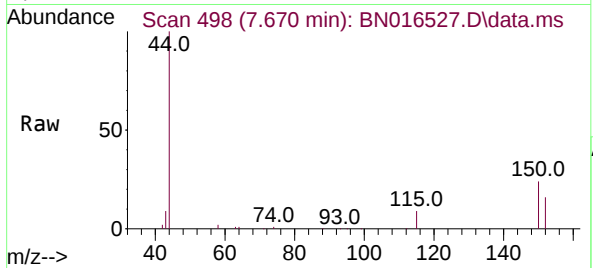




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. -0.000 min
 Lab File: BN016527.D
 Acq: 27 Sep 2021 02:02

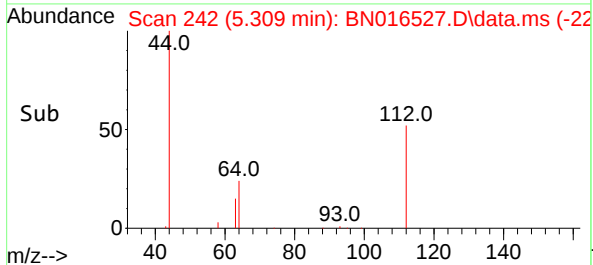
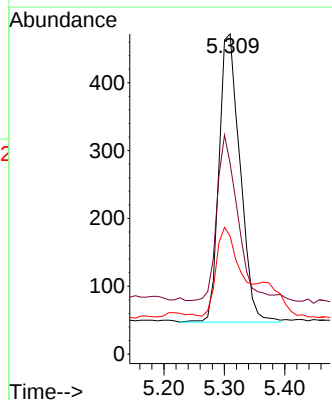
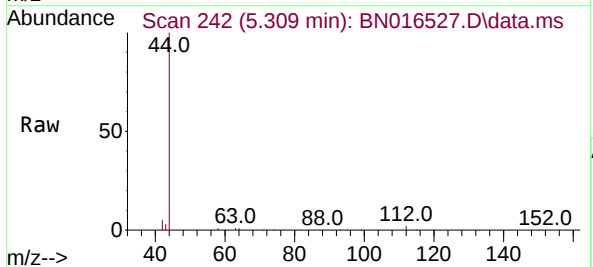
Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421

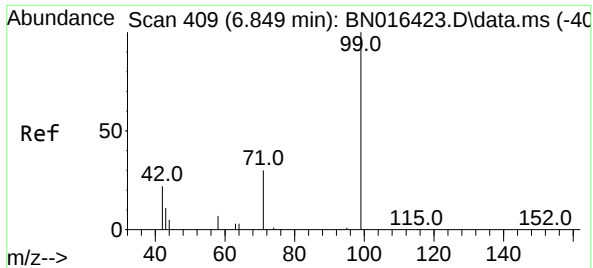
Tgt Ion:152 Resp: 9530
 Ion Ratio Lower Upper
 152 100
 150 152.6 125.6 188.4
 115 55.4 50.2 75.2



#4
 2-Fluorophenol
 Concen: 0.048 ng
 RT: 5.309 min Scan# 242
 Delta R.T. 0.028 min
 Lab File: BN016527.D
 Acq: 27 Sep 2021 02:02

Tgt Ion:112 Resp: 1024
 Ion Ratio Lower Upper
 112 100
 64 56.7 47.3 70.9
 63 35.2 23.4 35.0#

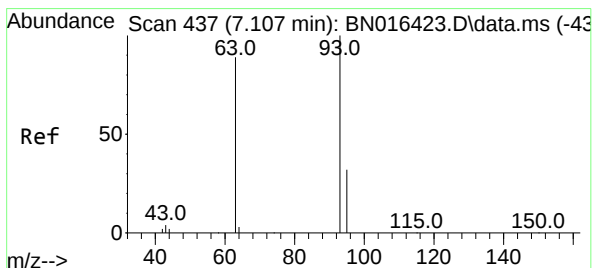
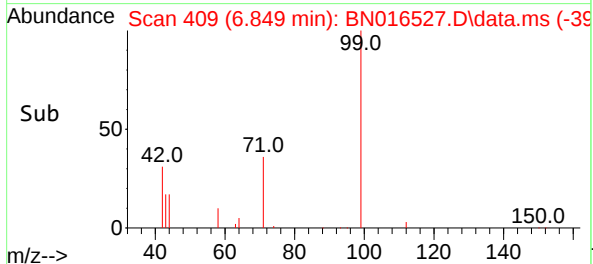
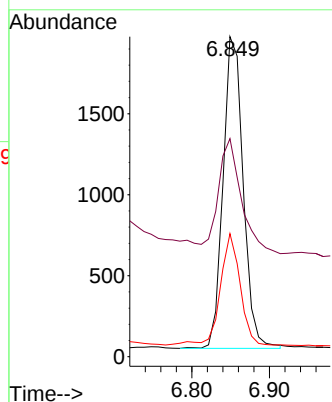
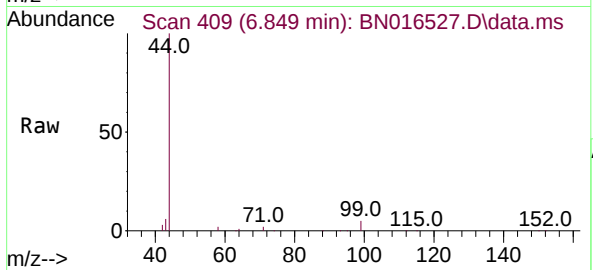




#5
Phenol-d6
Concen: 0.137 ng
RT: 6.849 min Scan# 409
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

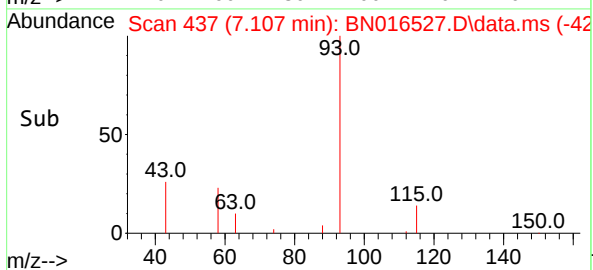
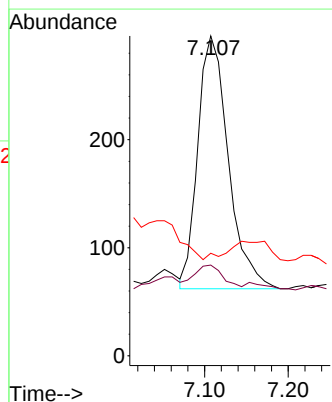
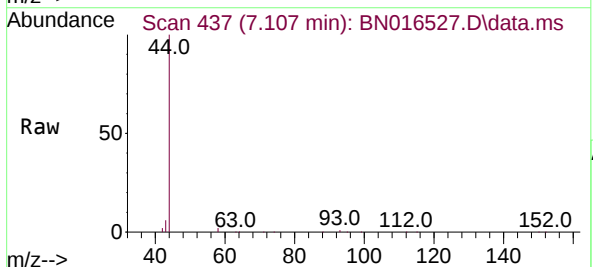
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ClientSampleId :
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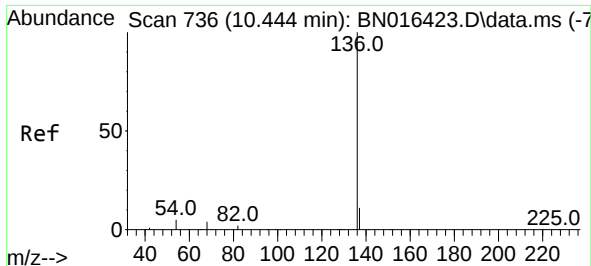
Tgt Ion: 99 Resp: 3463
Ion Ratio Lower Upper
99 100
42 42.4 14.0 21.0#
71 35.1 23.8 35.6



#6
bis(2-Chloroethyl)ether
Concen: 0.023 ng
RT: 7.107 min Scan# 437
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

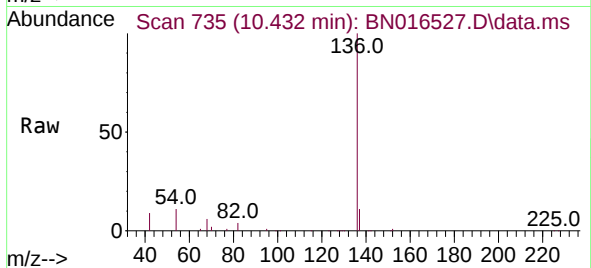
Tgt Ion: 93 Resp: 595
Ion Ratio Lower Upper
93 100
63 7.4 63.4 95.0#
95 0.0 26.8 40.2#



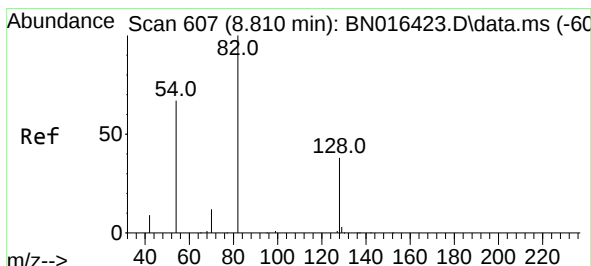
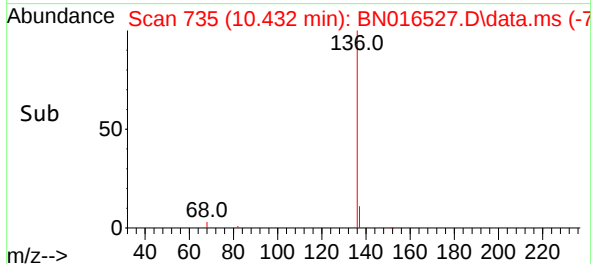
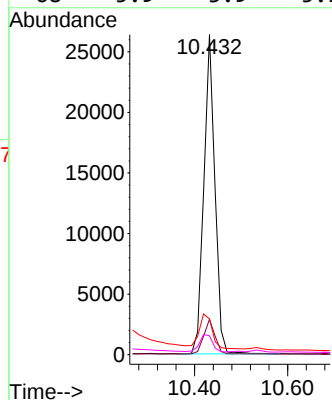


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

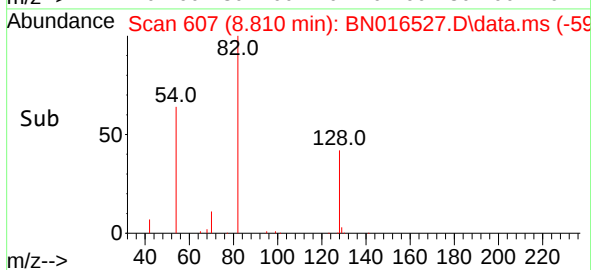
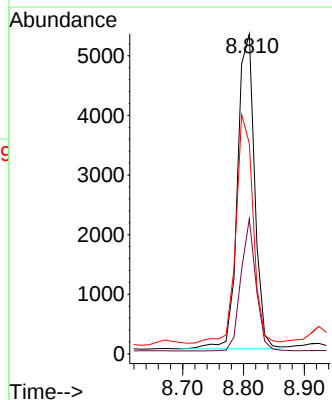
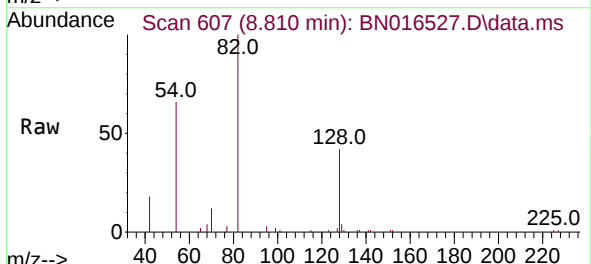


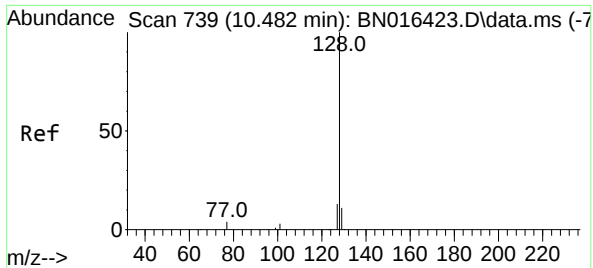
Tgt Ion: 136 Resp: 43708
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.2 5.3 7.9#
68 5.9 3.9 5.9#



#8
Nitrobenzene-d5
Concen: 0.335 ng
RT: 8.810 min Scan# 607
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion: 82 Resp: 10375
Ion Ratio Lower Upper
82 100
128 42.2 31.7 47.5
54 65.8 46.4 69.6

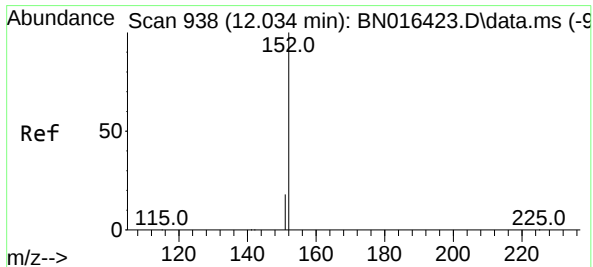
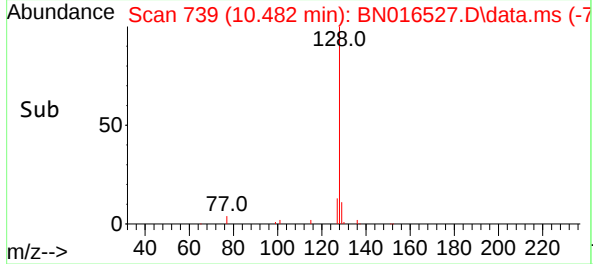
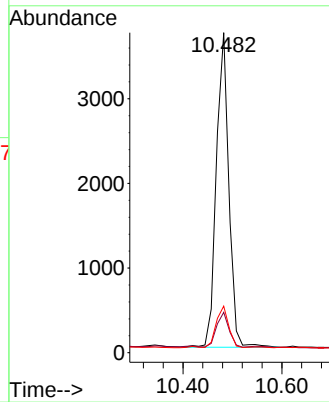
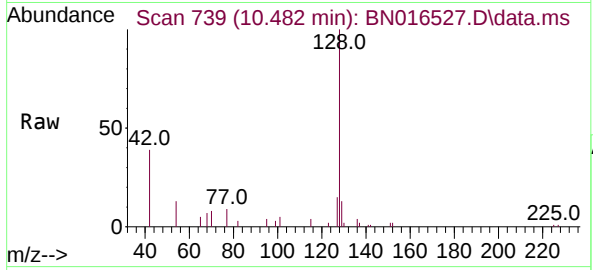




#9
Naphthalene
Concen: 0.056 ng
RT: 10.482 min Scan# 739
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

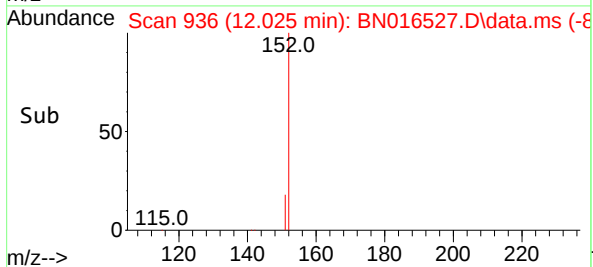
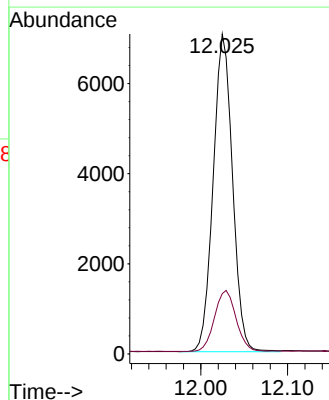
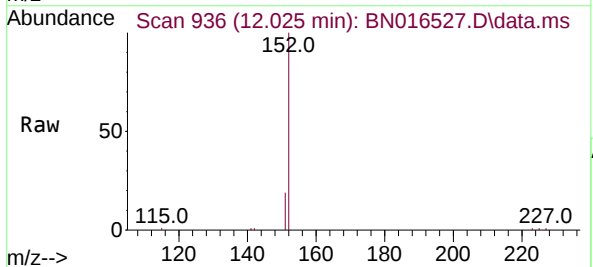
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

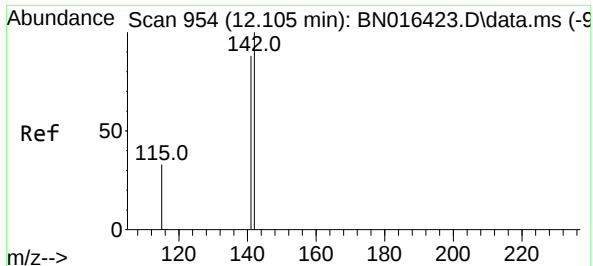
Tgt Ion:	128	Resp:	6513
Ion Ratio	Lower	Upper	
128	100		
129	12.6	8.9	13.3
127	14.5	10.1	15.1



#11
2-Methylnaphthalene-d10
Concen: 0.168 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:	152	Resp:	10880
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.1	24.1

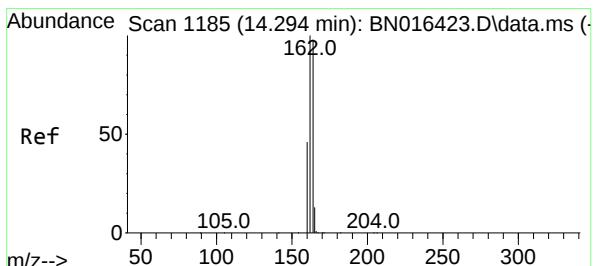
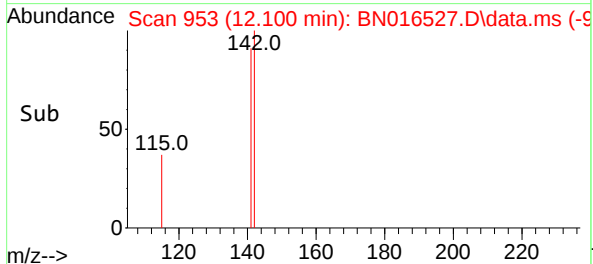
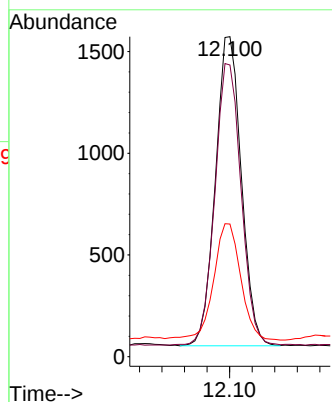
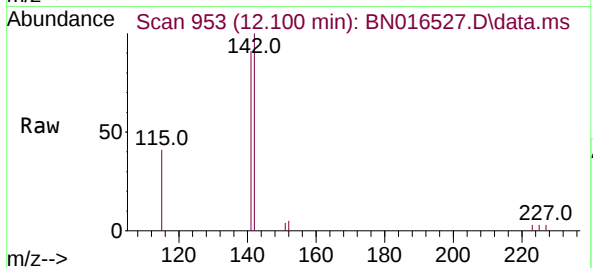




#12
2-Methylnaphthalene
Concen: 0.033 ng
RT: 12.100 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

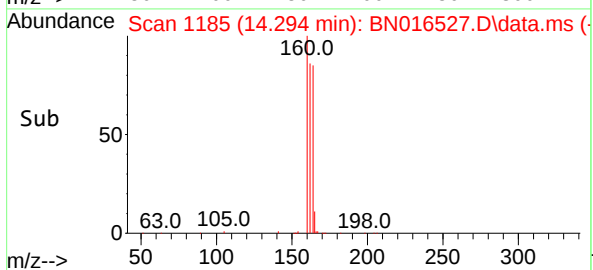
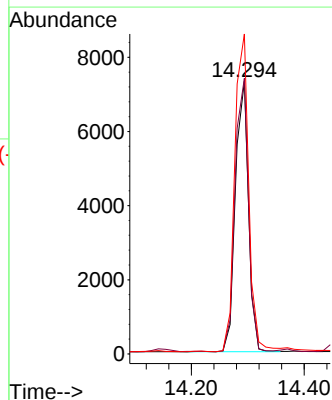
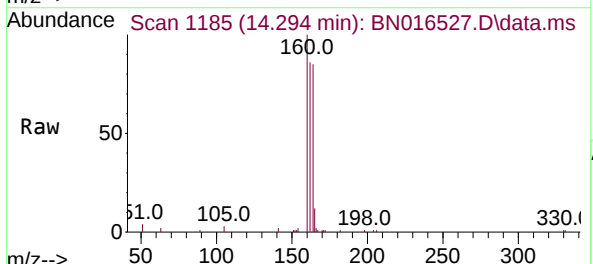
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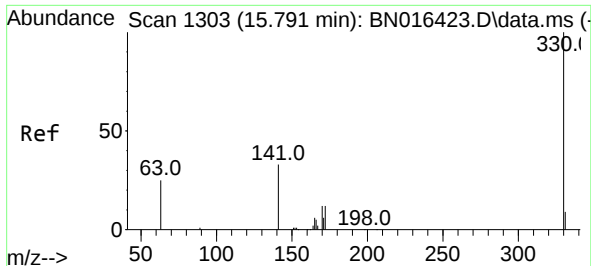
Tgt Ion:142 Resp: 2426
Ion Ratio Lower Upper
142 100
141 91.2 69.8 104.8
115 41.4 24.4 36.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:164 Resp: 11696
Ion Ratio Lower Upper
164 100
162 101.1 79.0 118.4
160 117.4 34.1 51.1#

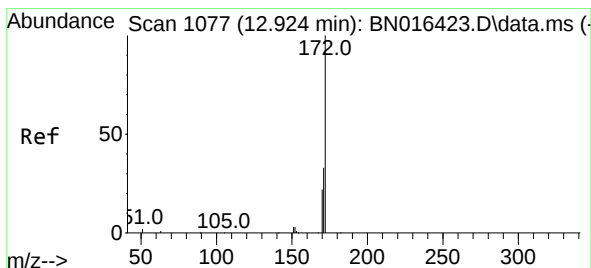
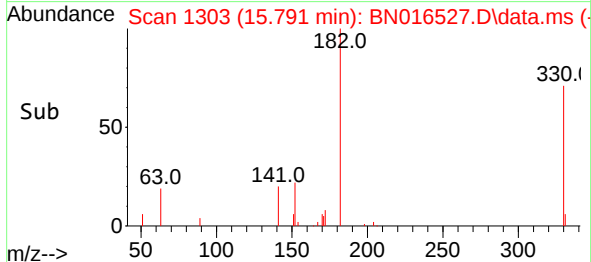
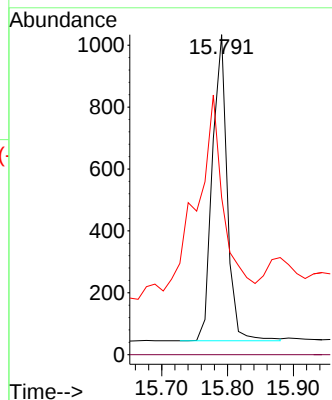
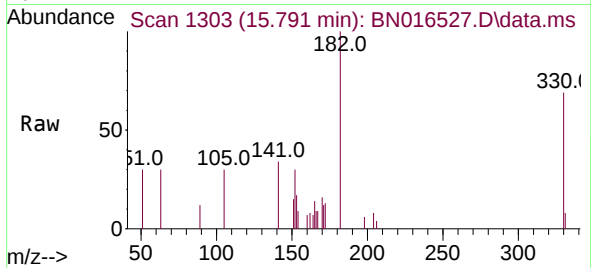




#14
2,4,6-Tribromophenol
Concen: 0.482 ng
RT: 15.791 min Scan# 1303
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

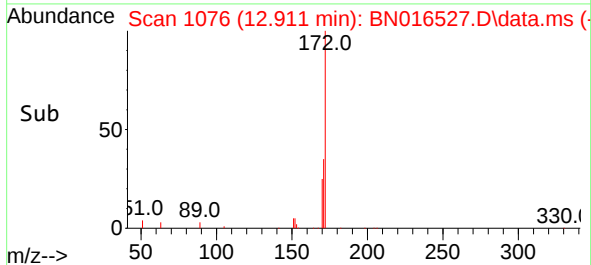
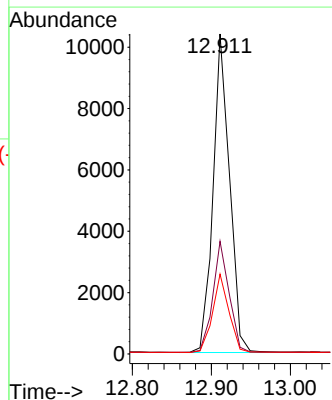
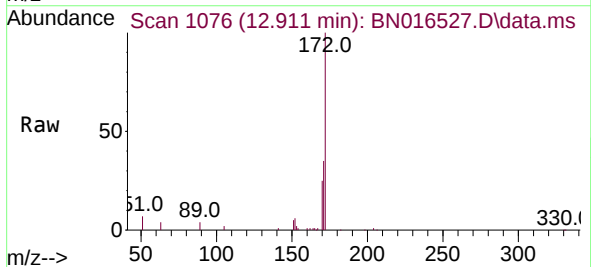
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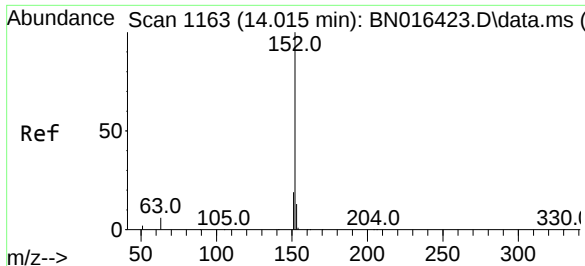
Tgt Ion:330 Resp: 1554
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 95.7 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.306 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.013 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:172 Resp: 15044
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.6
170 24.9 18.2 27.2

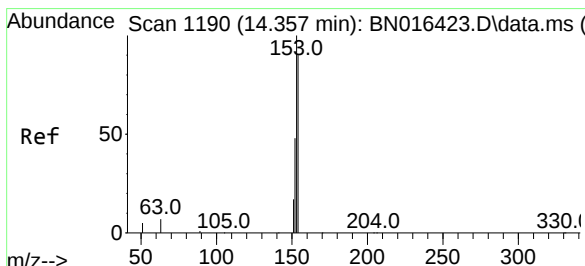
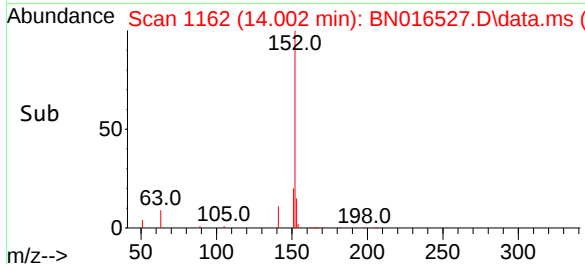
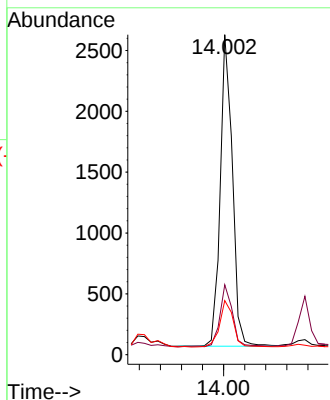
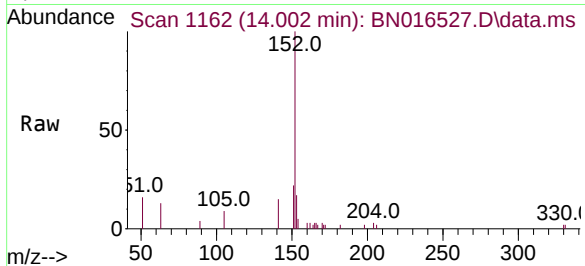




#16
Acenaphthylene
Concen: 0.086 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.013 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

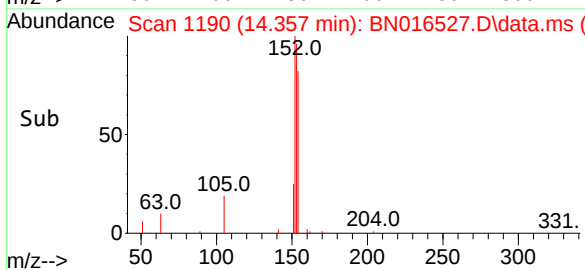
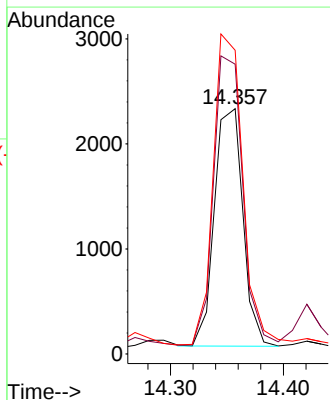
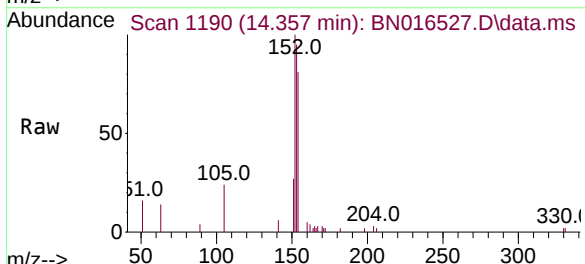
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

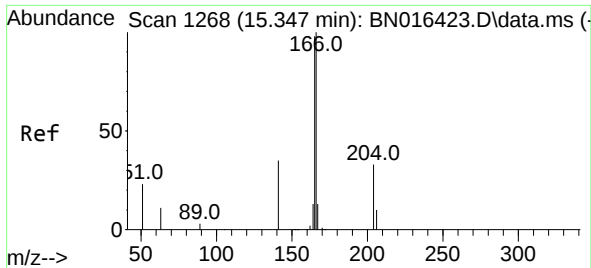
Tgt Ion:152 Resp: 4110
Ion Ratio Lower Upper
152 100
151 20.9 15.2 22.8
153 16.8 10.5 15.7#



#17
Acenaphthene
Concen: 0.117 ng
RT: 14.357 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:154 Resp: 3966
Ion Ratio Lower Upper
154 100
153 125.4 89.3 133.9
152 138.0 42.2 63.4#

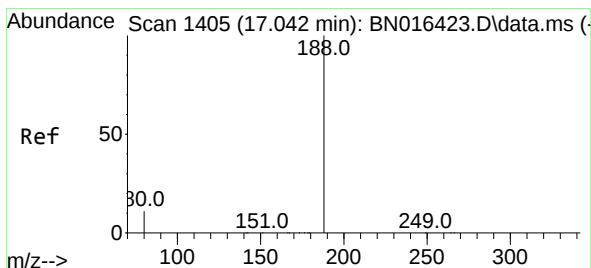
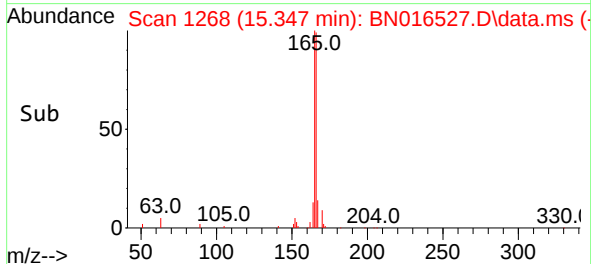
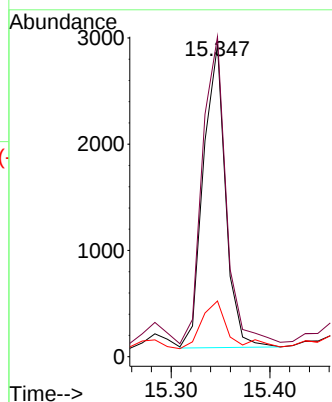
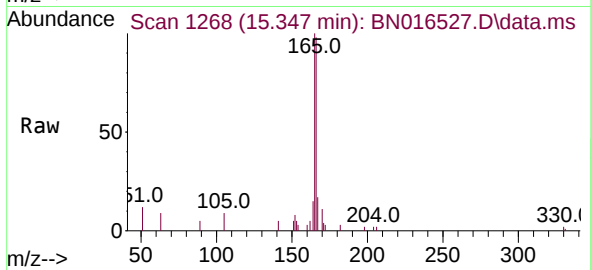




#18
Fluorene
Concen: 0.110 ng
RT: 15.347 min Scan# 1268
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

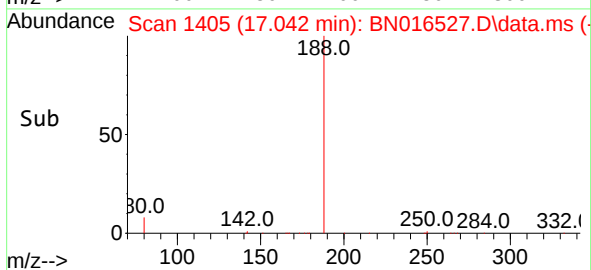
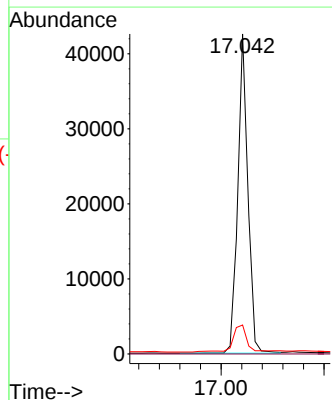
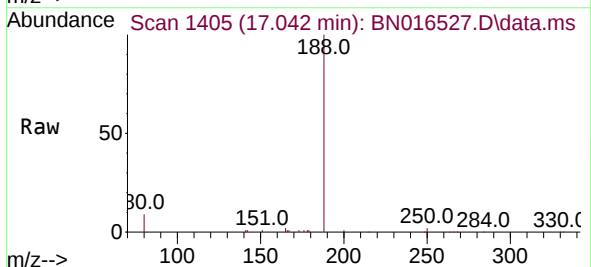
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

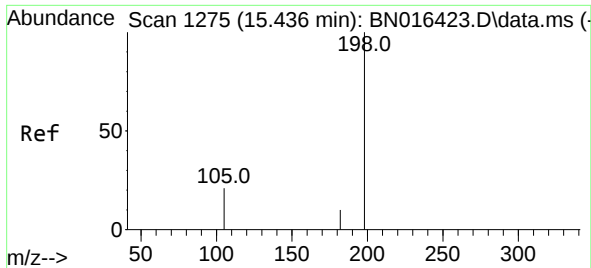
Tgt Ion:166 Resp: 4452
Ion Ratio Lower Upper
166 100
165 107.3 76.7 115.1
167 19.5 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:188 Resp: 58021
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 7.0 10.6

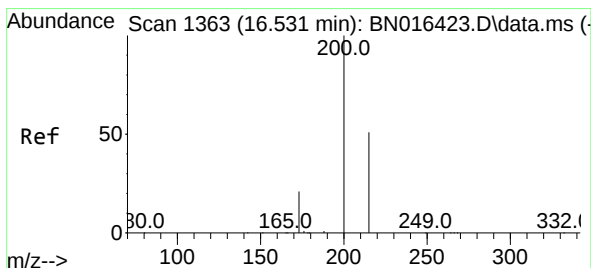
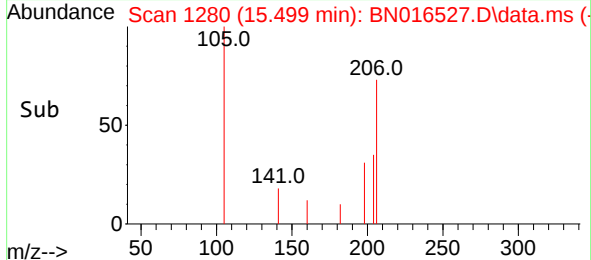
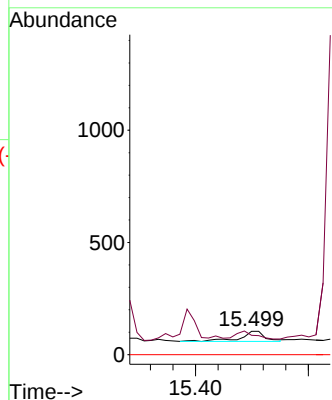
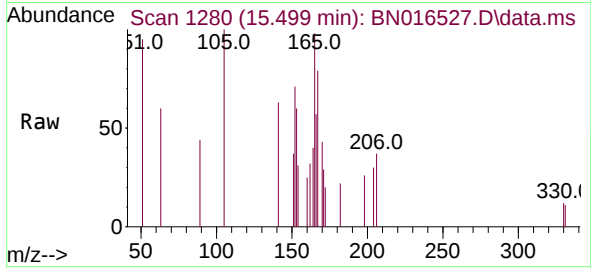




#20
4,6-Dinitro-2-methylphenol
Concen: 0.168 ng
RT: 15.499 min Scan# 1280
Delta R.T. 0.063 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

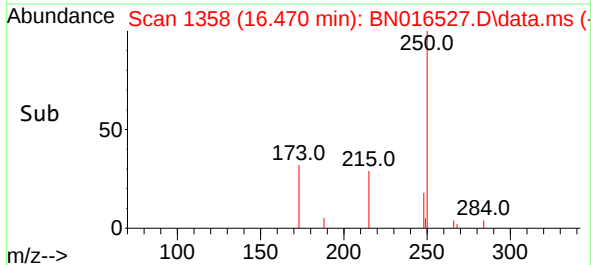
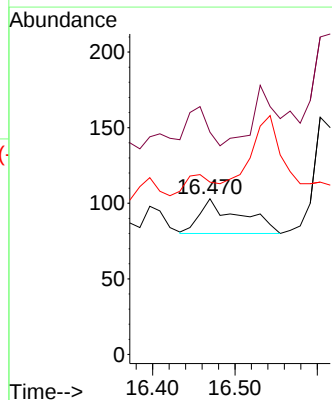
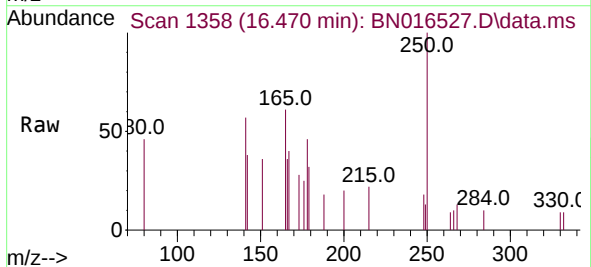
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

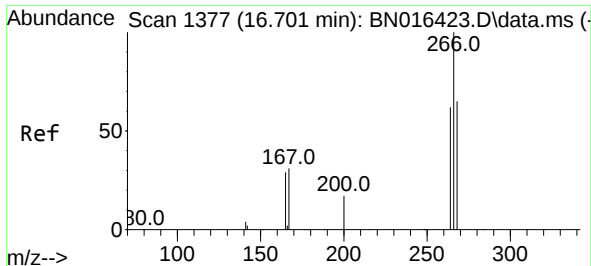
Tgt Ion:198 Resp: 139
Ion Ratio Lower Upper
198 100
182 82.7 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.138 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.061 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:200 Resp: 78
Ion Ratio Lower Upper
200 100
173 142.7 18.7 28.1#
215 110.7 41.6 62.4#

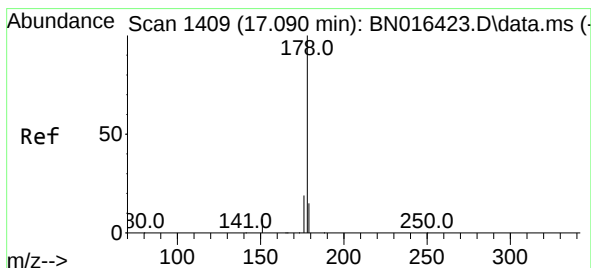
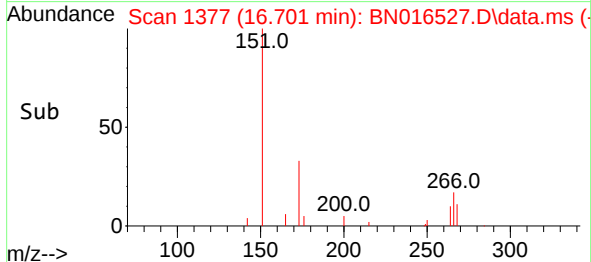
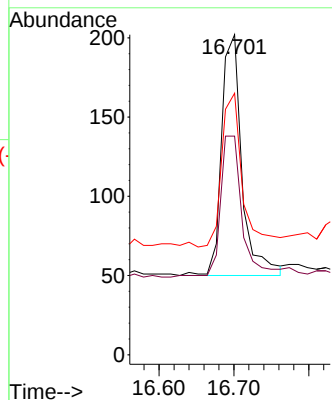
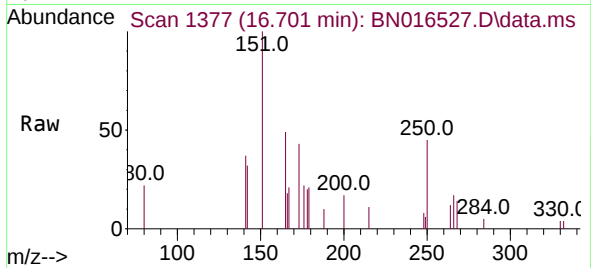




#24
Pentachlorophenol
Concen: 0.261 ng
RT: 16.701 min Scan# 1377
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

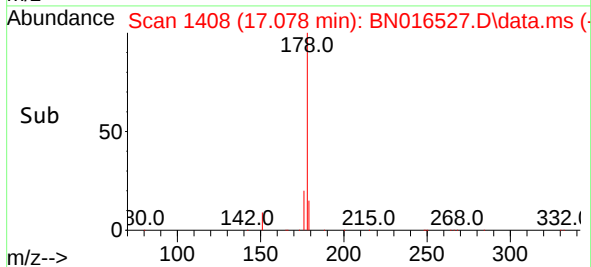
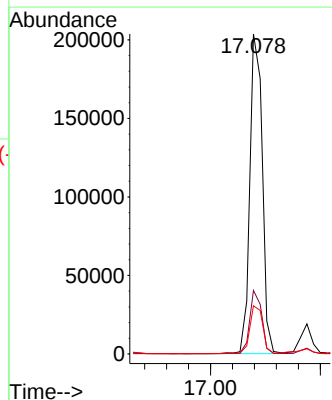
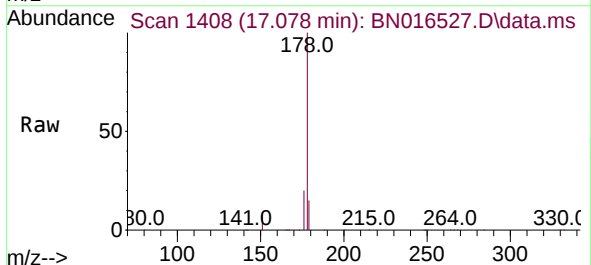
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

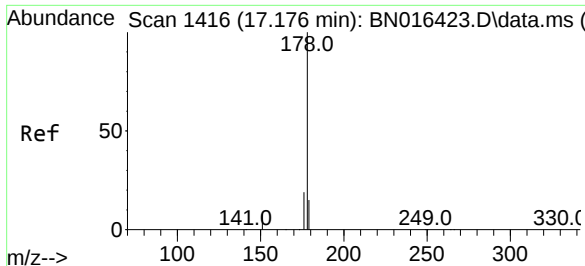
Tgt Ion:	266	Resp:	288
Ion Ratio	Lower	Upper	
266	100		
264	61.5	50.6	75.8
268	65.3	52.6	79.0



#25
Phenanthrene
Concen: 1.851 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:	178	Resp:	319598
Ion Ratio	Lower	Upper	
178	100		
176	19.2	14.4	21.6
179	15.6	12.2	18.4

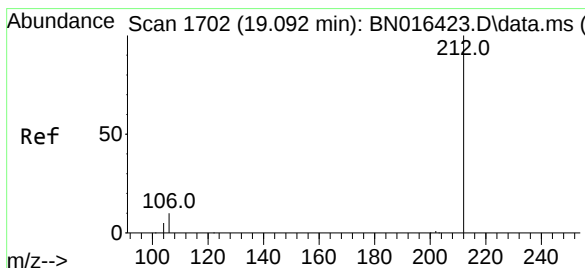
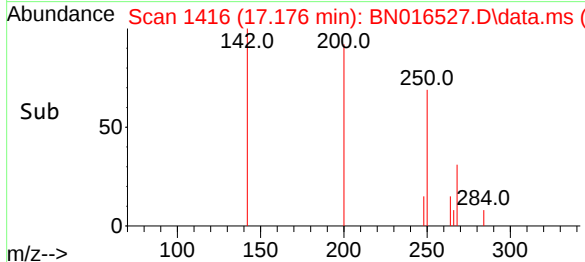
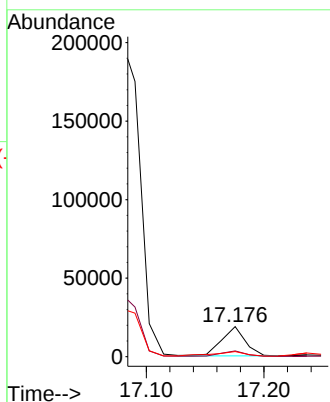
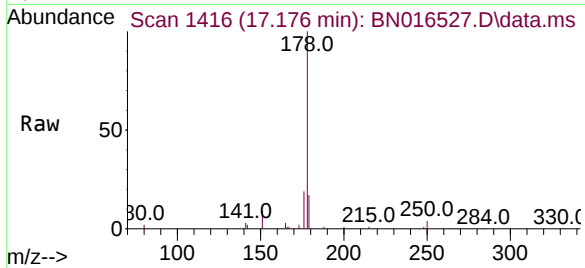




#26
 Anthracene
 Concen: 0.181 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. -0.000 min
 Lab File: BN016527.D
 Acq: 27 Sep 2021 02:02

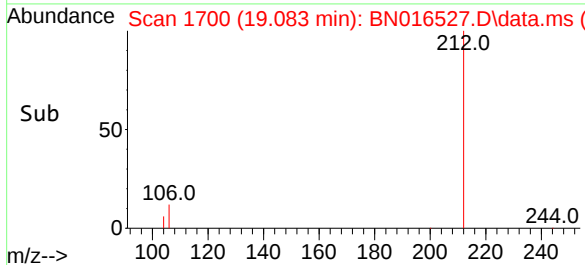
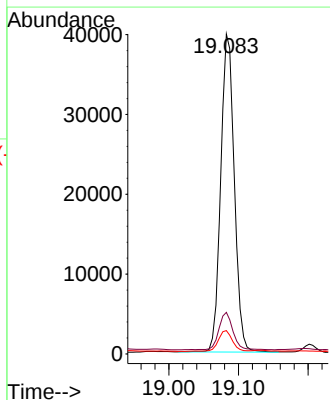
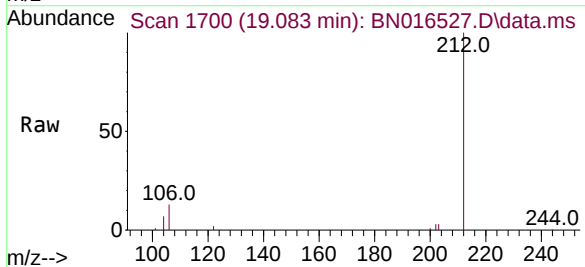
Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0.5-092421

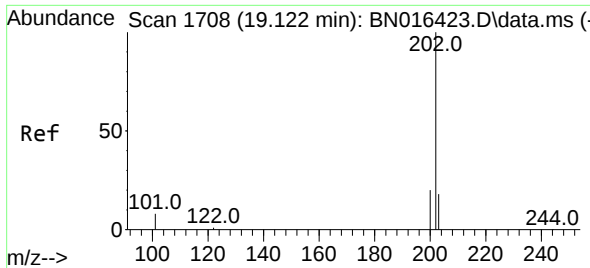
Tgt Ion:178 Resp: 25987
 Ion Ratio Lower Upper
 178 100
 176 18.4 13.9 20.9
 179 19.6 12.2 18.4#



#27
 Fluoranthene-d10
 Concen: 0.339 ng
 RT: 19.083 min Scan# 1700
 Delta R.T. -0.010 min
 Lab File: BN016527.D
 Acq: 27 Sep 2021 02:02

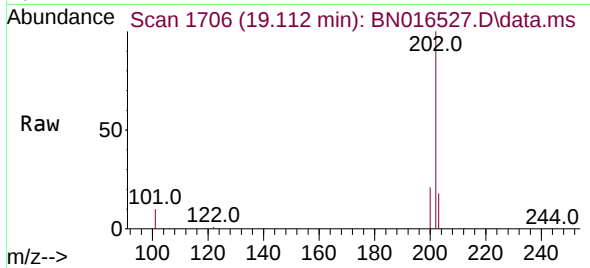
Tgt Ion:212 Resp: 53929
 Ion Ratio Lower Upper
 212 100
 106 11.9 9.8 14.6
 104 6.7 5.4 8.2



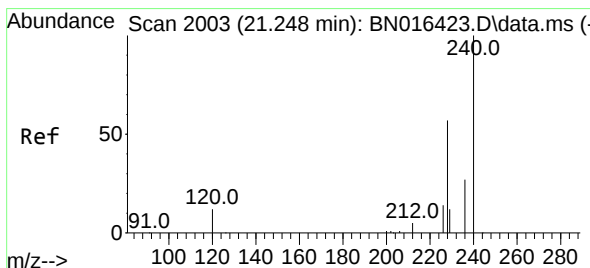
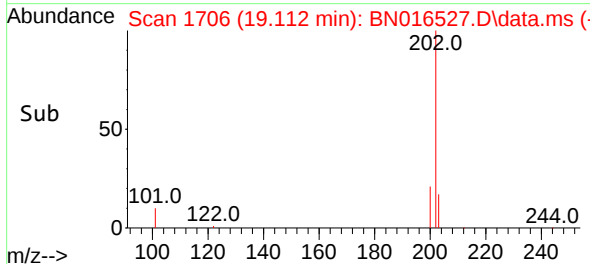
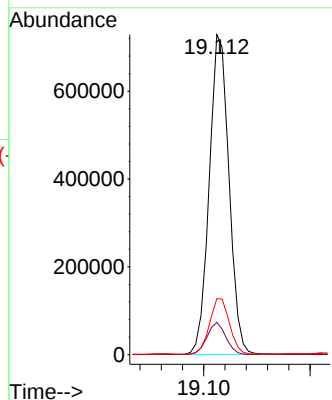


#28
Fluoranthene
Concen: 4.960 ng
RT: 19.112 min Scan# 1706
Delta R.T. -0.010 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

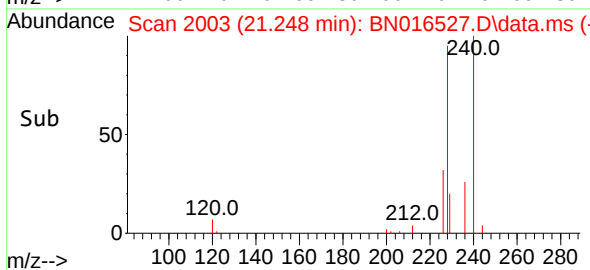
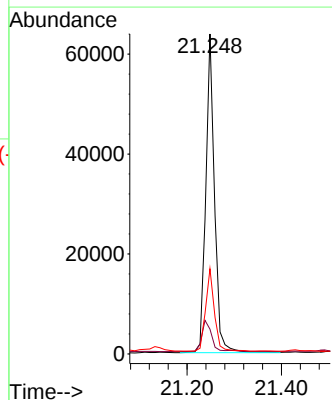
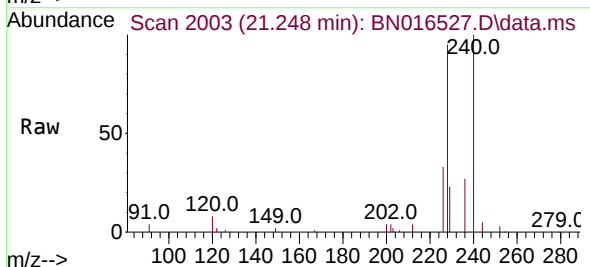


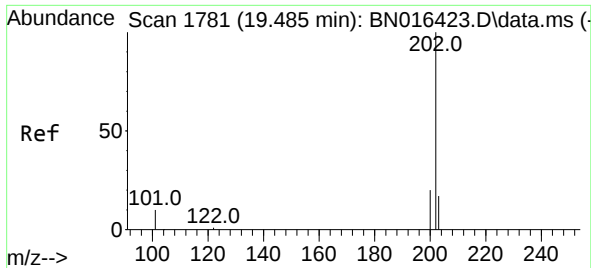
Tgt Ion:202 Resp: 938586
Ion Ratio Lower Upper
202 100
101 9.6 8.5 12.7
203 17.6 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.248 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:240 Resp: 81661
Ion Ratio Lower Upper
240 100
120 7.8 5.3 7.9
236 26.6 19.8 29.8

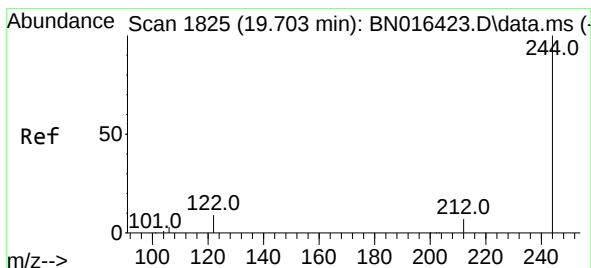
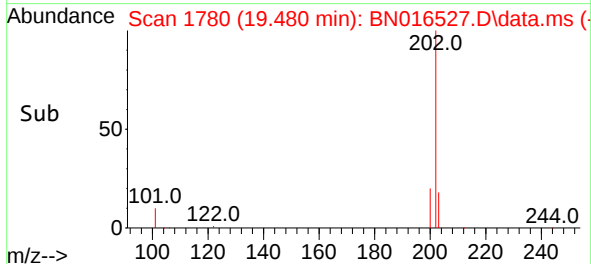
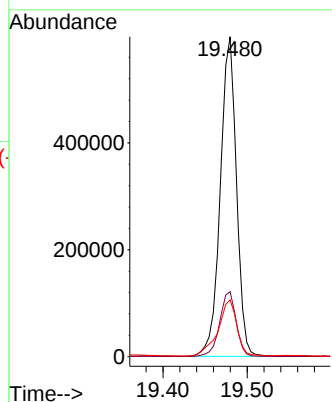
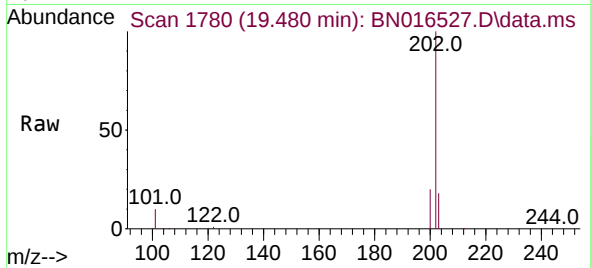




#30
 Pyrene
 Concen: 3.113 ng
 RT: 19.480 min Scan# 1780
 Delta R.T. -0.005 min
 Lab File: BN016527.D
 Acq: 27 Sep 2021 02:02

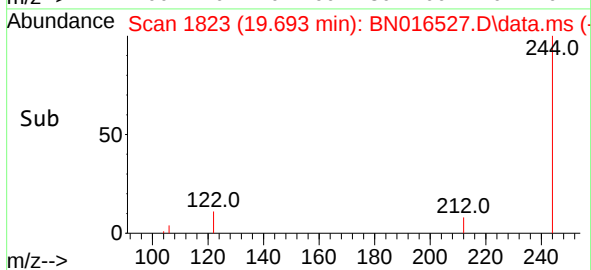
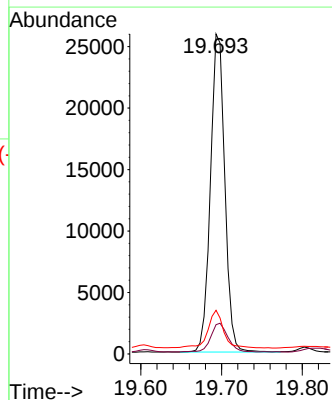
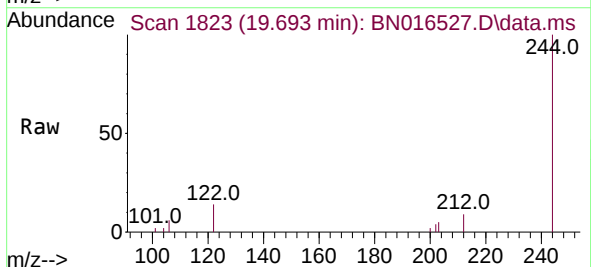
Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421

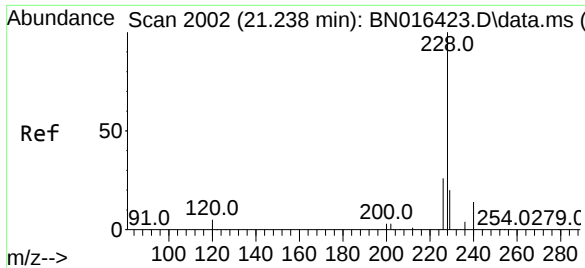
Tgt Ion:202	Resp:	795939
Ion Ratio	Lower	Upper
202	100	
200	20.7	15.8 23.6
203	20.4	13.9 20.9



#31
 Terphenyl-d14
 Concen: 0.169 ng
 RT: 19.693 min Scan# 1823
 Delta R.T. -0.010 min
 Lab File: BN016527.D
 Acq: 27 Sep 2021 02:02

Tgt Ion:244	Resp:	32085
Ion Ratio	Lower	Upper
244	100	
212	9.1	5.5 8.3#
122	13.6	9.0 13.4#



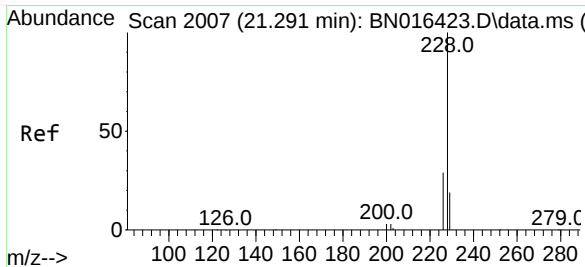
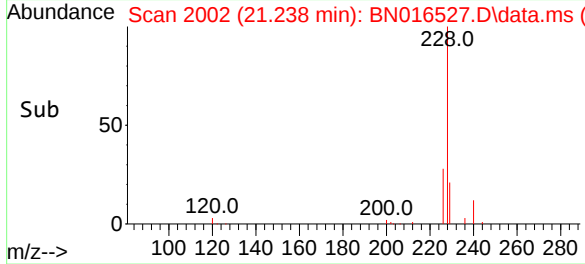
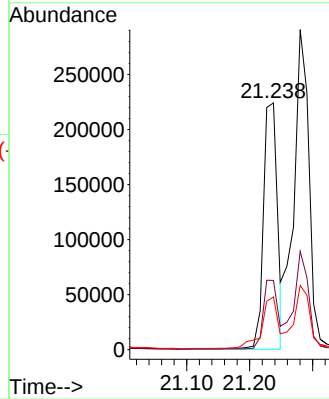
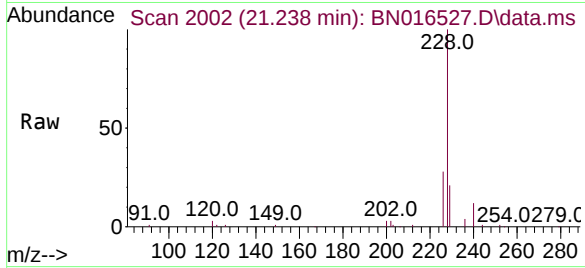


#32
Benzo(a)anthracene
Concen: 1.471 ng
RT: 21.238 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

Tgt Ion:228 Resp: 348253

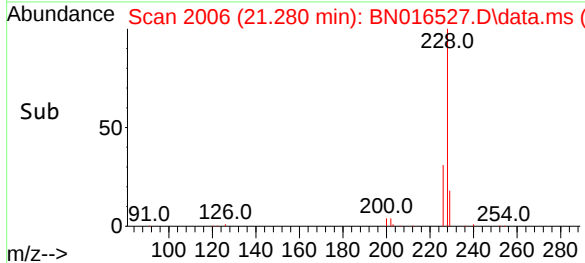
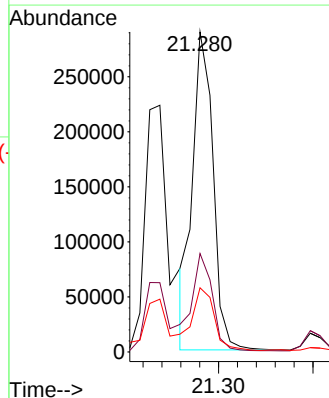
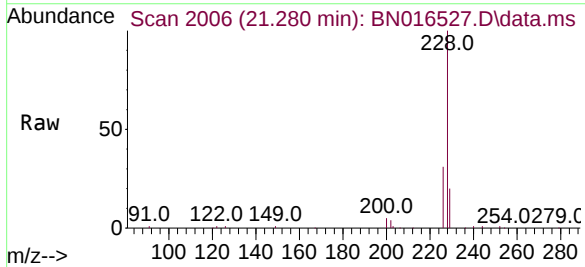
Ion	Ratio	Lower	Upper
228	100		
226	28.1	20.8	31.2
229	21.4	15.8	23.6

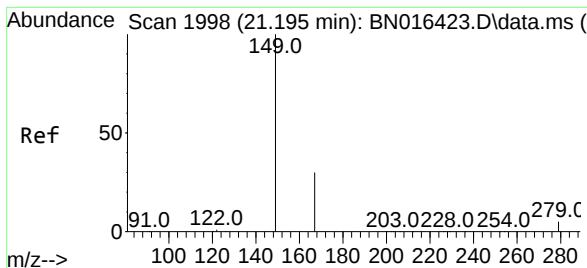


#33
Chrysene
Concen: 1.707 ng
RT: 21.280 min Scan# 2006
Delta R.T. -0.011 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:228 Resp: 434323

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.0	34.4
229	20.1	15.6	23.4

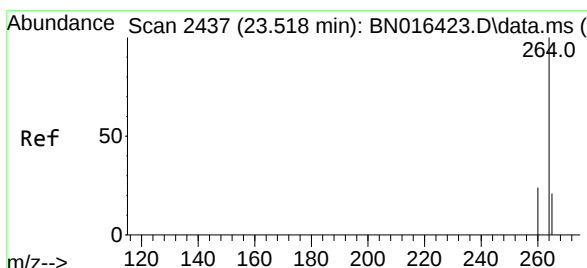
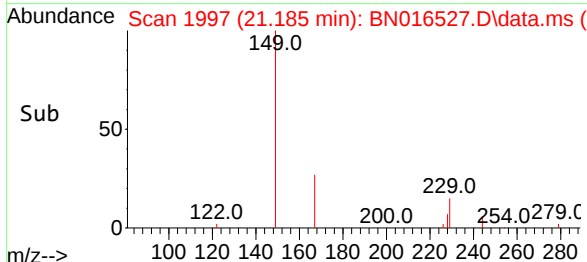
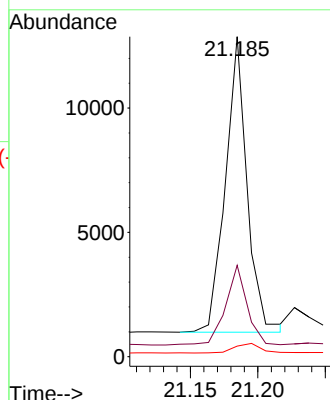
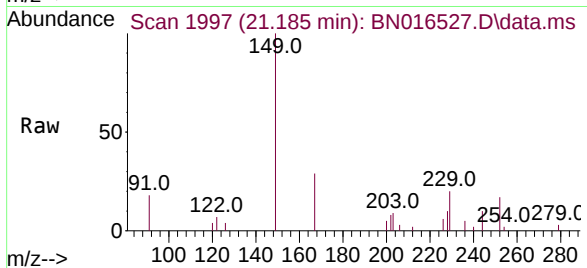




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.206 ng
 RT: 21.185 min Scan# 1997
 Delta R.T. -0.011 min
 Lab File: BN016527.D
 Acq: 27 Sep 2021 02:02

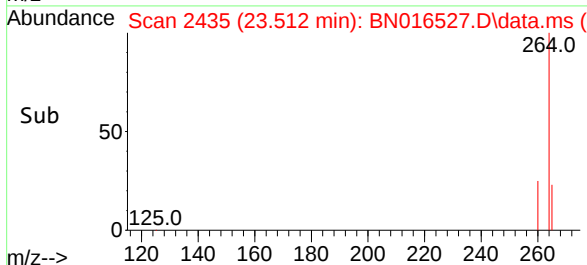
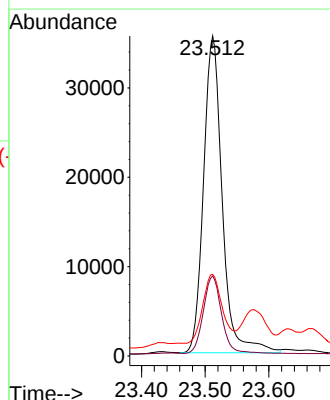
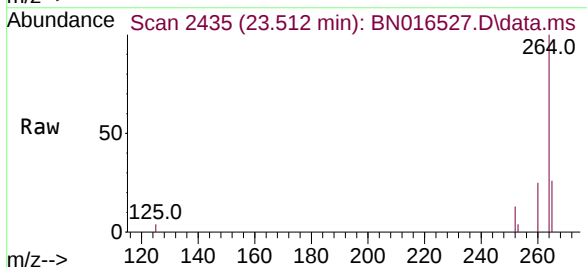
Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421

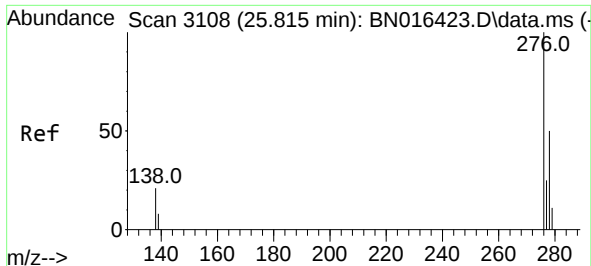
Tgt Ion:	149	Resp:	13268
Ion Ratio	Lower	Upper	
149	100		
167	26.8	23.4	35.0
279	4.2	3.9	5.9



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.512 min Scan# 2435
 Delta R.T. -0.007 min
 Lab File: BN016527.D
 Acq: 27 Sep 2021 02:02

Tgt Ion:	264	Resp:	72307
Ion Ratio	Lower	Upper	
264	100		
260	25.0	18.9	28.3
265	25.5	23.7	35.5

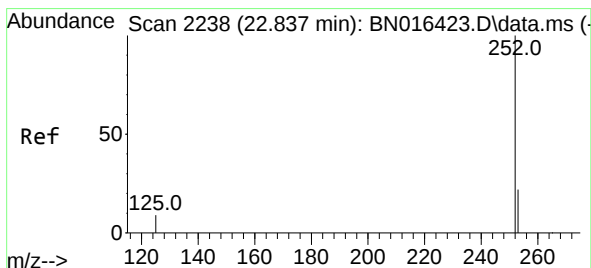
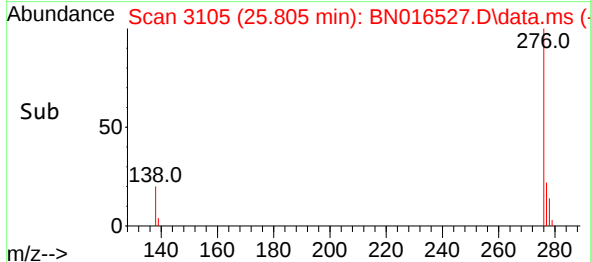
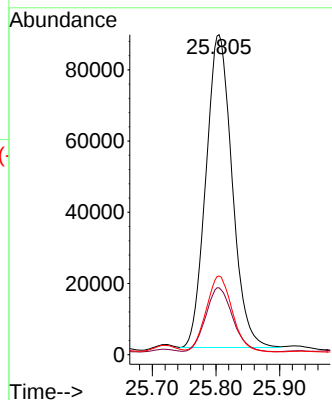
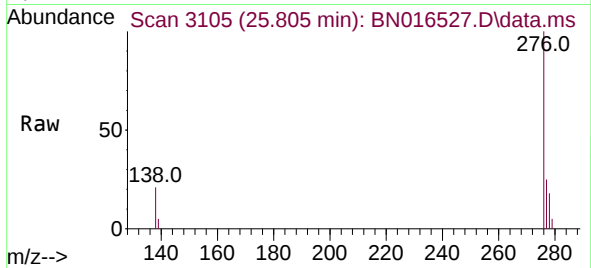




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.070 ng
RT: 25.805 min Scan# 3105
Delta R.T. -0.010 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

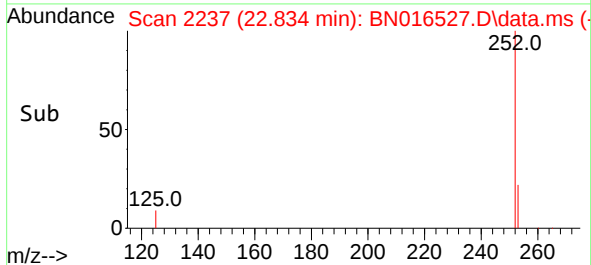
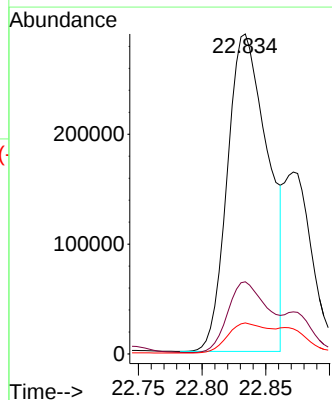
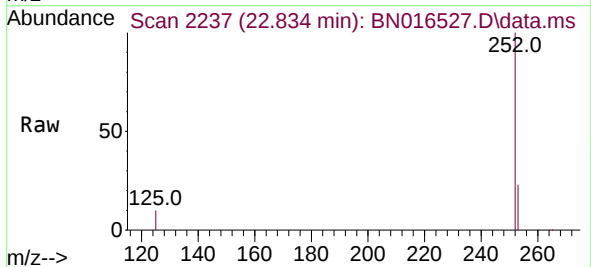
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

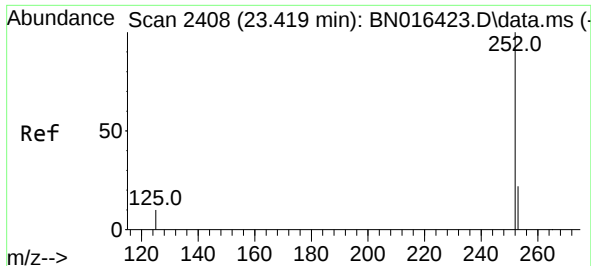
Tgt Ion:276 Resp: 250803
Ion Ratio Lower Upper
276 100
138 21.1 19.3 28.9
277 24.2 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 2.650 ng
RT: 22.834 min Scan# 2237
Delta R.T. -0.003 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Tgt Ion:252 Resp: 640118
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 9.7 8.4 12.6





#39

Benzo(a)pyrene

Concen: 1.871 ng

RT: 23.409 min Scan# 2405

Delta R.T. -0.010 min

Lab File: BN016527.D

Acq: 27 Sep 2021 02:02

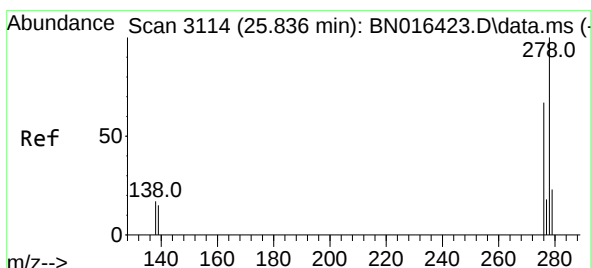
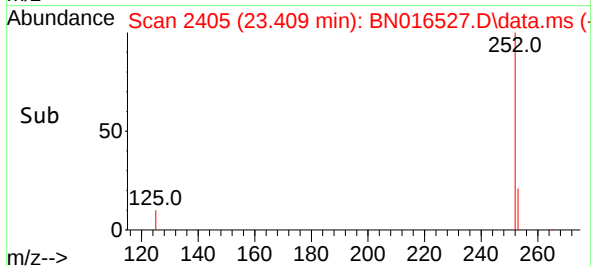
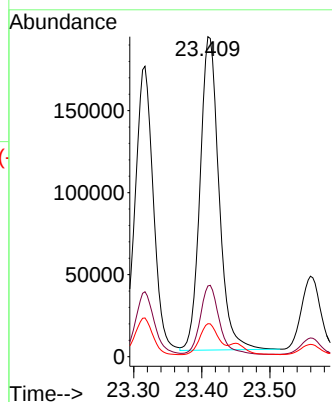
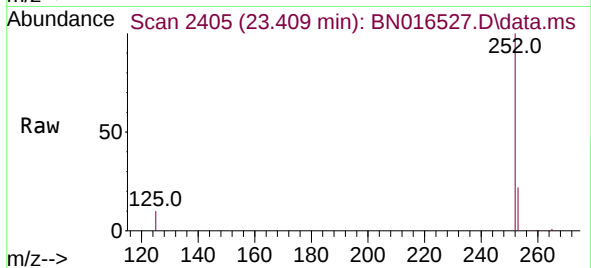
Tgt Ion:252 Resp: 368511

Ion Ratio Lower Upper

252 100

253 22.1 18.7 28.1

125 10.3 9.9 14.9



#40

Dibenzo(a,h)anthracene

Concen: 0.274 ng

RT: 25.819 min Scan# 3109

Delta R.T. -0.017 min

Lab File: BN016527.D

Acq: 27 Sep 2021 02:02

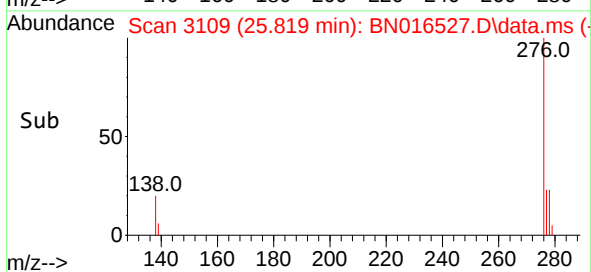
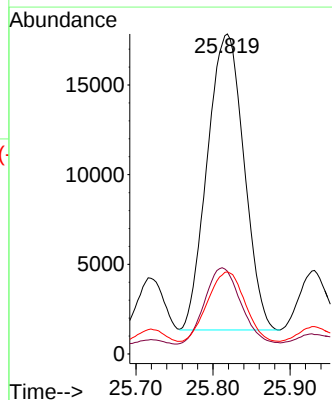
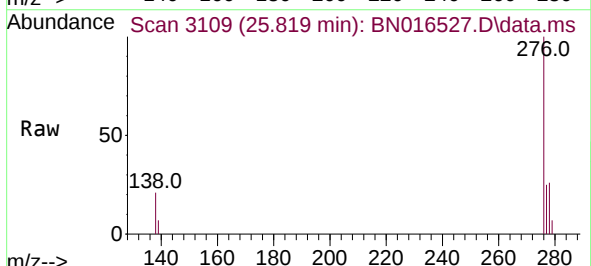
Tgt Ion:278 Resp: 54614

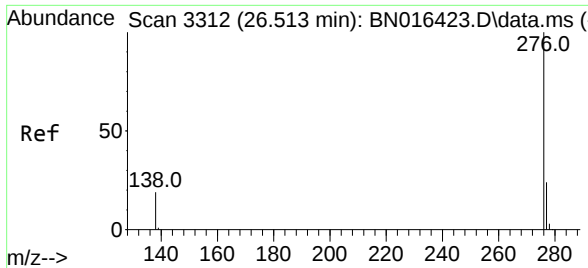
Ion Ratio Lower Upper

278 100

139 25.8 14.2 21.2#

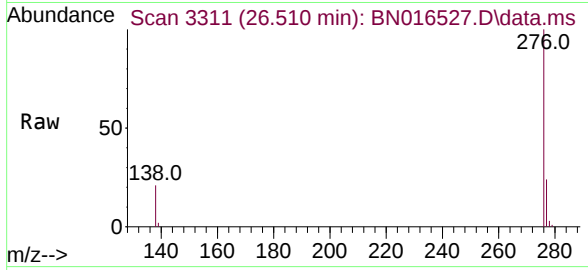
279 25.7 21.3 31.9





#41
Benzo(g,h,i)perylene
Concen: 1.133 ng
RT: 26.510 min Scan# 3311
Delta R.T. -0.003 min
Lab File: BN016527.D
Acq: 27 Sep 2021 02:02

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421



Tgt Ion:	276	Resp:	232265
Ion Ratio	Lower	Upper	
276	100		
277	24.2	20.5	30.7
138	20.6	18.2	27.4

