

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016529.D
 Acq On : 27 Sep 2021 03:15
 Operator : CG/JU
 Sample : M3945-09
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-816-N-SO-0-0.5-092421

Quant Time: Sep 27 05:33:34 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

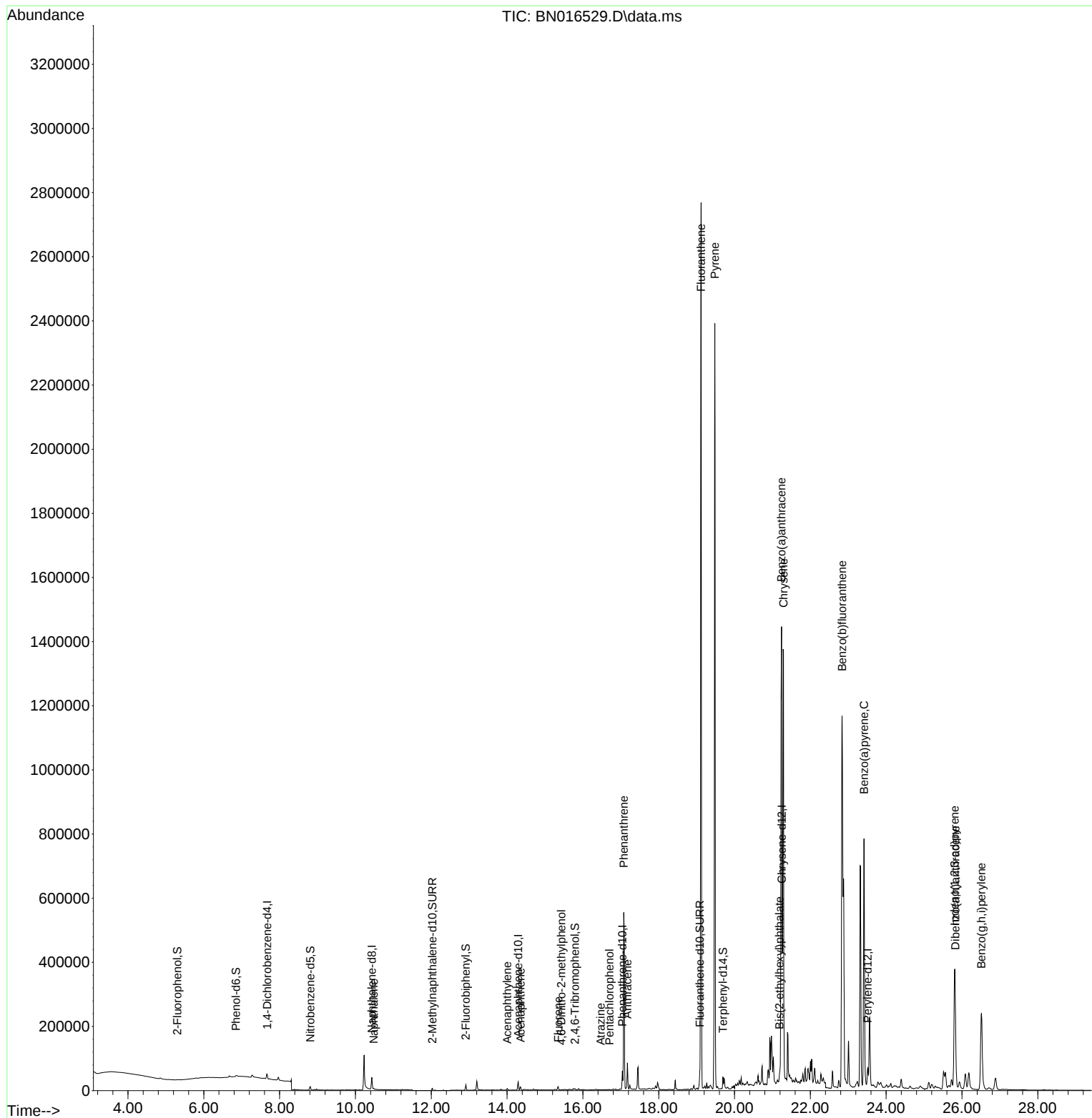
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	9871	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	45991	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	11639	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	67216	0.400	ng	0.00
29) Chrysene-d12	21.249	240	93559	0.400	ng	# 0.00
35) Perylene-d12	23.515	264	76308	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.300	112	728	0.033	ng	0.02
5) Phenol-d6	6.850	99	2573	0.098	ng	0.00
8) Nitrobenzene-d5	8.810	82	9019	0.277	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	9207	0.135	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	1271	0.418	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	13225	0.271	ng	-0.01
27) Fluoranthene-d10	19.083	212	61310	0.332	ng	0.00
31) Terphenyl-d14	19.693	244	36240	0.167	ng	0.00
Target Compounds						
9) Naphthalene	10.483	128	4037	0.033	ng	# 93
16) Acenaphthylene	14.002	152	5171	0.109	ng	97
17) Acenaphthene	14.358	154	3969	0.118	ng	# 53
18) Fluorene	15.347	166	6553	0.162	ng	97
20) 4,6-Dinitro-2-methylph...	15.436	198	5	0.148	ng	# 1
23) Atrazine	16.470	200	34	0.136	ng	# 20
24) Pentachlorophenol	16.701	266	64	0.248	ng	96
25) Phenanthrene	17.078	178	619042	3.094	ng	99
26) Anthracene	17.176	178	76959	0.462	ng	# 95
28) Fluoranthene	19.118	202	2455700	11.202	ng	98
30) Pyrene	19.480	202	2132563	7.280	ng	# 94
32) Benzo(a)anthracene	21.238	228	1405457	5.180	ng	97
33) Chrysene	21.291	228	1391377	4.773	ng	98
34) Bis(2-ethylhexyl)phtha...	21.185	149	18809	0.254	ng	95
36) Indeno(1,2,3-cd)pyrene	25.805	276	610715	2.470	ng	95
37) Benzo(b)fluoranthene	22.838	252	1990265	7.806	ng	99
39) Benzo(a)pyrene	23.416	252	1093022	5.258	ng	97
40) Dibenzo(a,h)anthracene	25.822	278	141408	0.671	ng	97
41) Benzo(g,h,i)perylene	26.514	276	517209	2.391	ng	96

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

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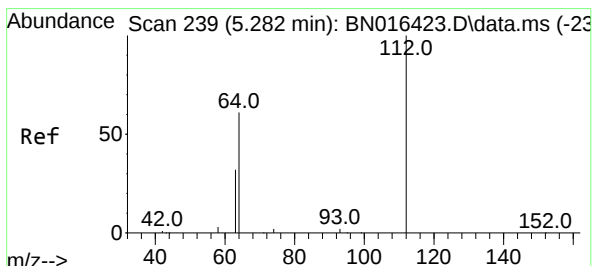
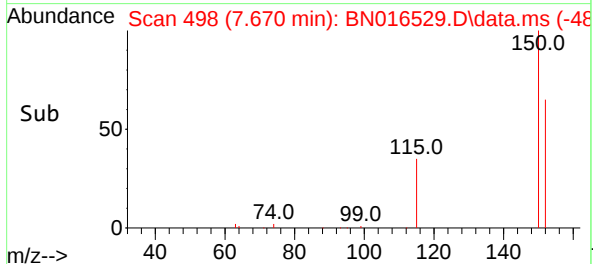
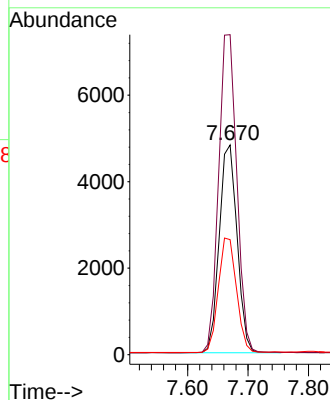
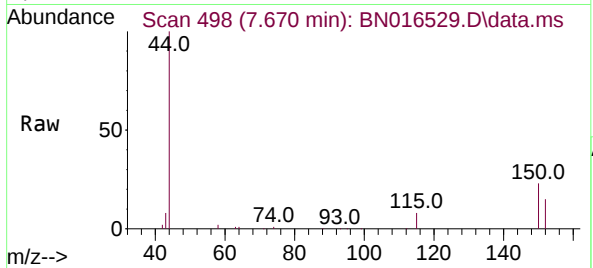




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.670 min Scan# 498
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

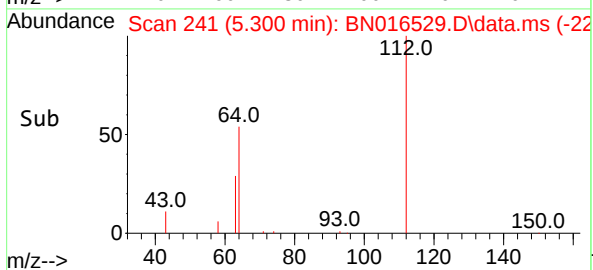
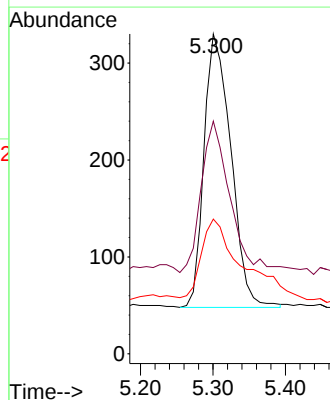
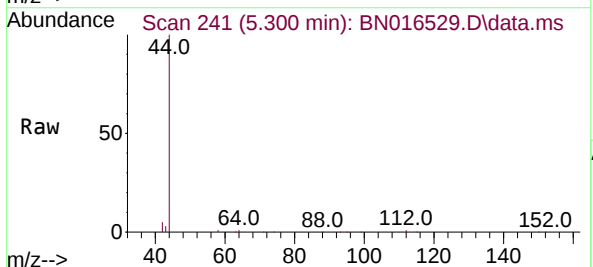
Instrument :
BNA_N
ClientSampleId :
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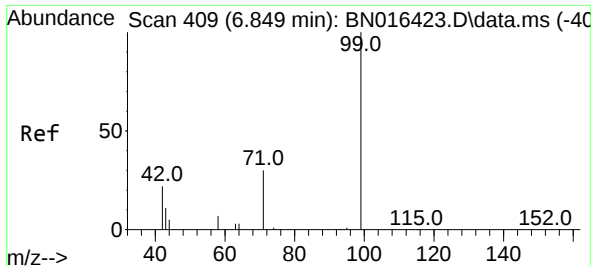
Tgt Ion:152 Resp: 9871
Ion Ratio Lower Upper
152 100
150 152.6 125.6 188.4
115 54.8 50.2 75.2



#4
2-Fluorophenol
Concen: 0.033 ng
RT: 5.300 min Scan# 241
Delta R.T. 0.019 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:112 Resp: 728
Ion Ratio Lower Upper
112 100
64 58.2 47.3 70.9
63 40.9 23.4 35.0#

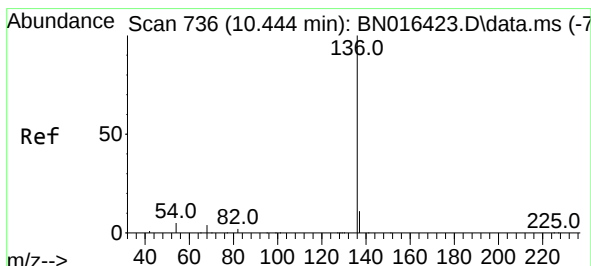
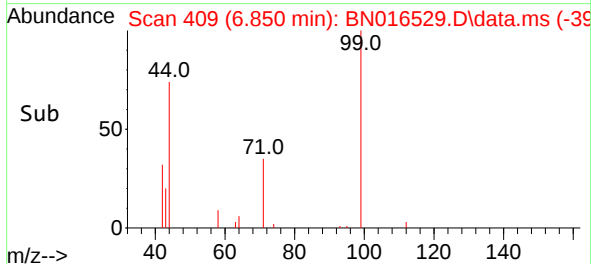
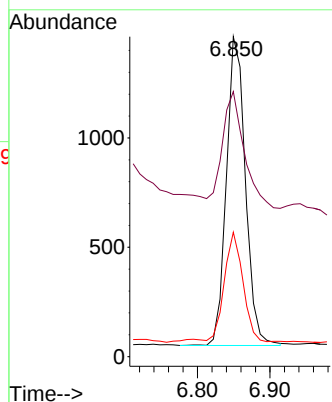
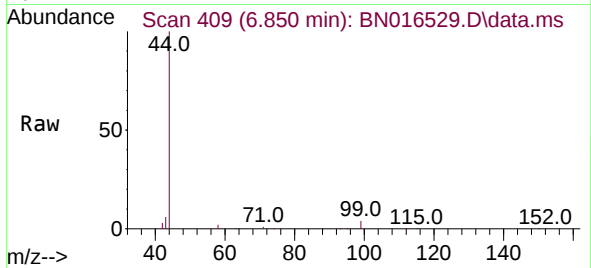




#5
Phenol-d6
Concen: 0.098 ng
RT: 6.850 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

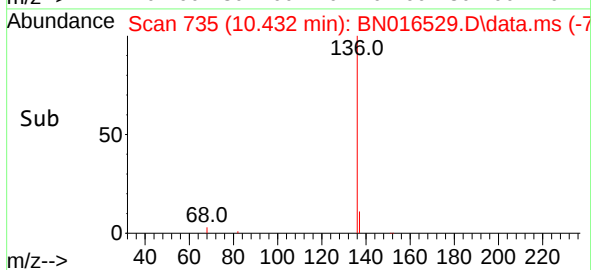
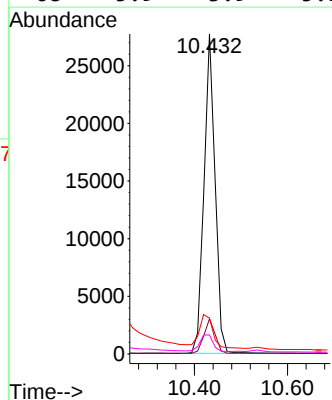
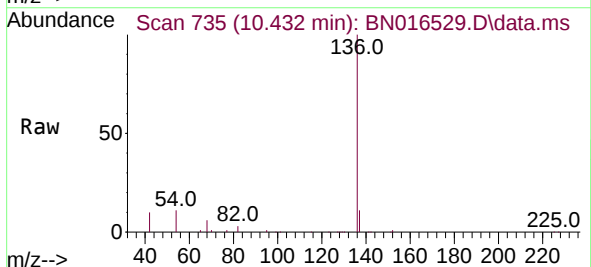
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

Tgt Ion: 99 Resp: 2573
Ion Ratio Lower Upper
99 100
42 43.8 14.0 21.0#
71 34.8 23.8 35.6



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.012 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion: 136 Resp: 45991
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#

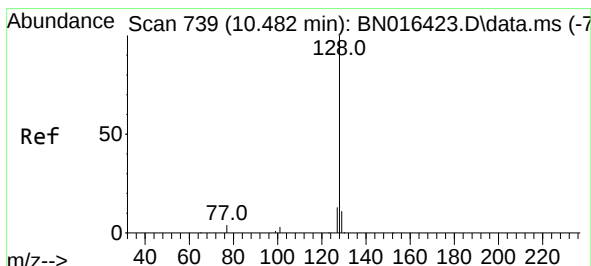
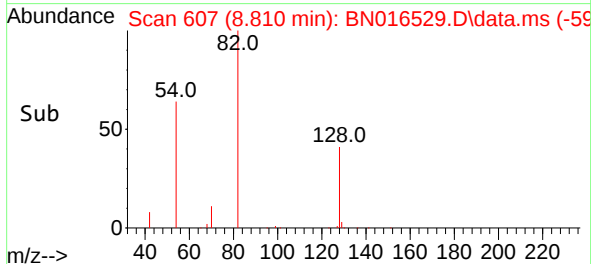
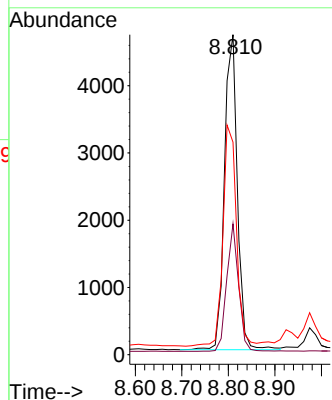
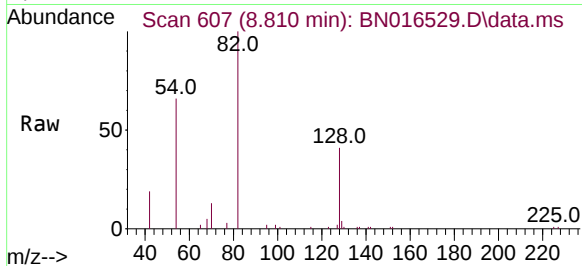




#8
Nitrobenzene-d5
Concen: 0.277 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

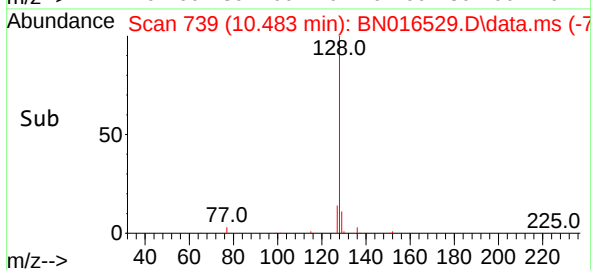
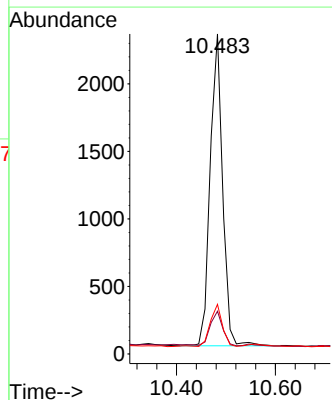
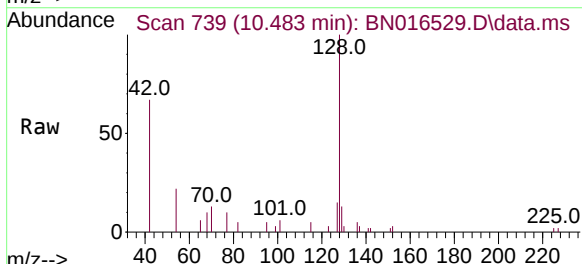
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.9	31.7	47.5
54	66.4	46.4	69.6



#9
Naphthalene
Concen: 0.033 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.4	8.9	13.3#
127	15.5	10.1	15.1#

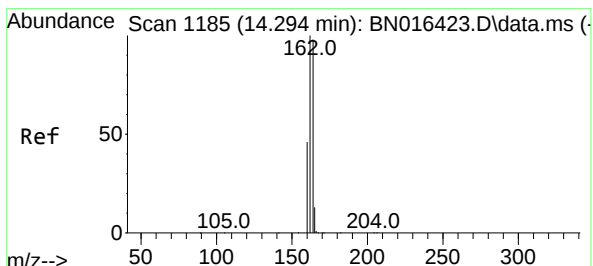
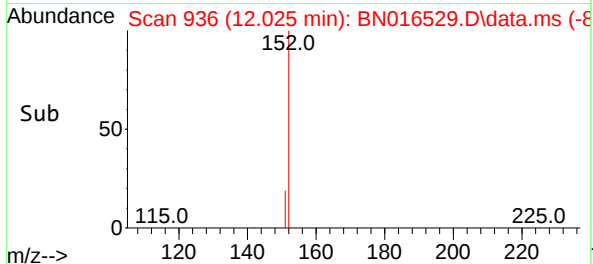
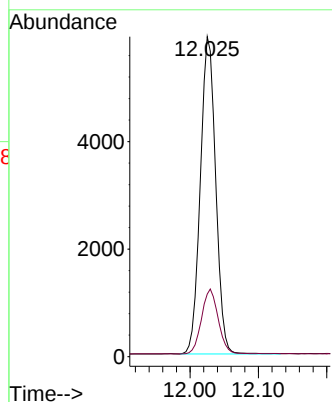
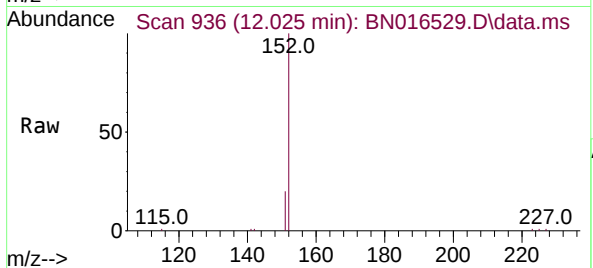




#11
2-Methylnaphthalene-d10
Concen: 0.135 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

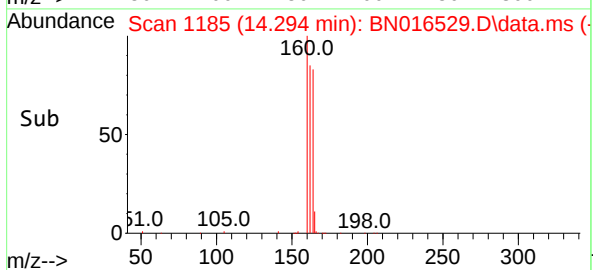
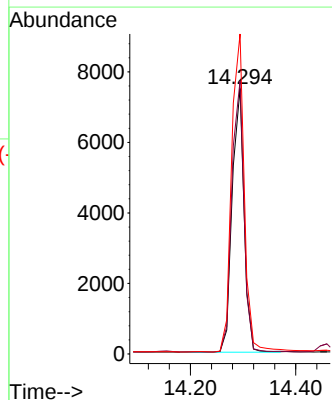
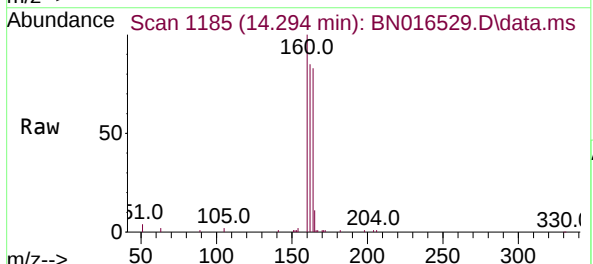
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

Tgt Ion:152 Resp: 9207
Ion Ratio Lower Upper
152 100
151 22.1 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: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:164 Resp: 11639
Ion Ratio Lower Upper
164 100
162 102.8 79.0 118.4
160 120.6 34.1 51.1#

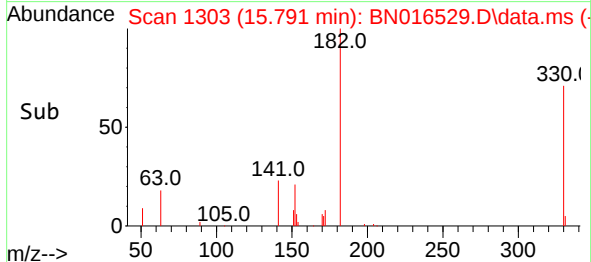
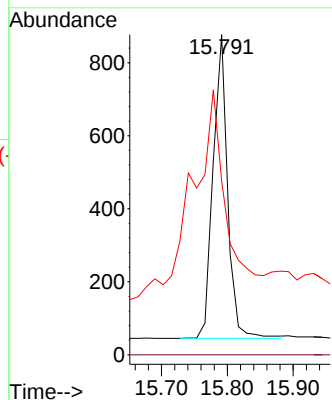
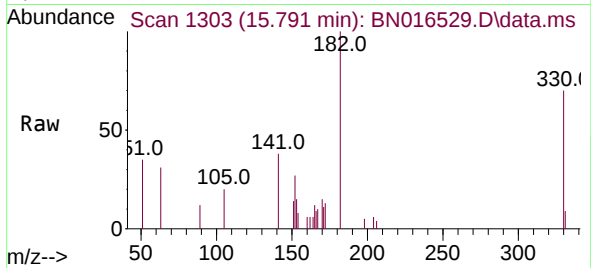




#14
2,4,6-Tribromophenol
Concen: 0.418 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

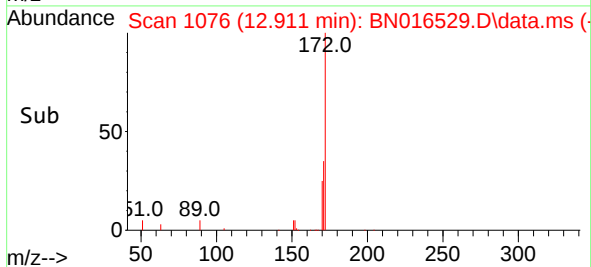
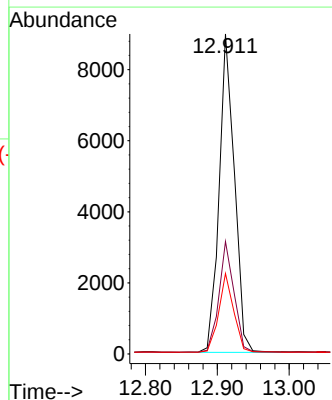
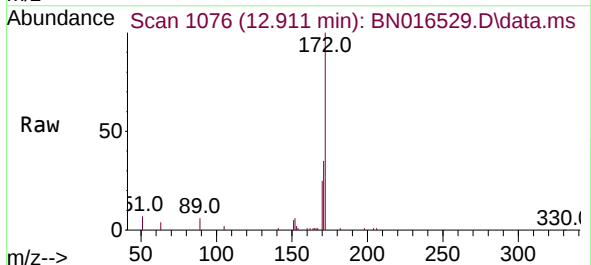
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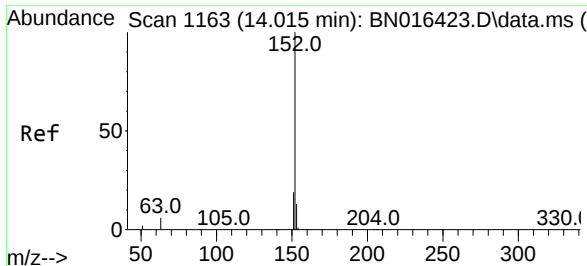
Tgt Ion: 330 Resp: 1271
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 109.3 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.271 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.012 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion: 172 Resp: 13225
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.6
170 25.1 18.2 27.2

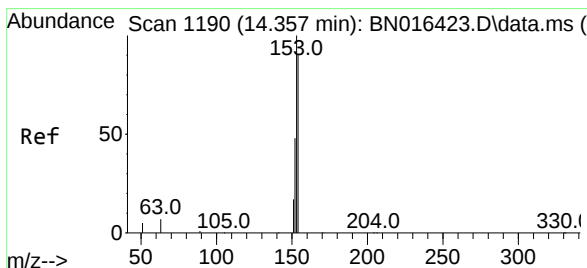
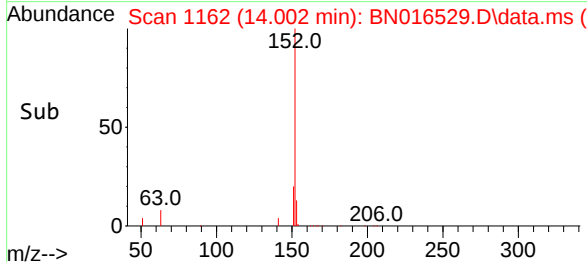
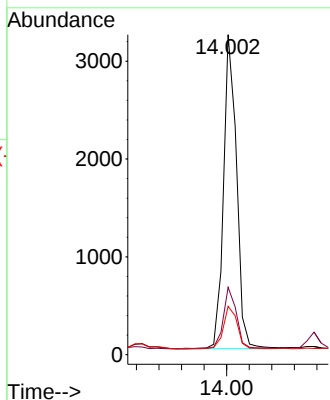
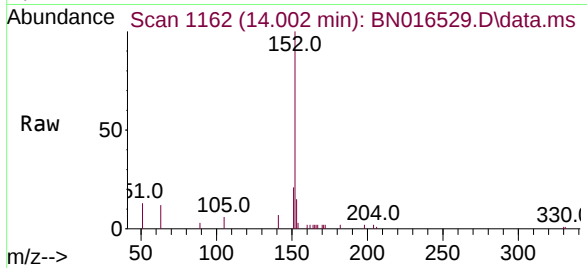




#16
Acenaphthylene
Concen: 0.109 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.012 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

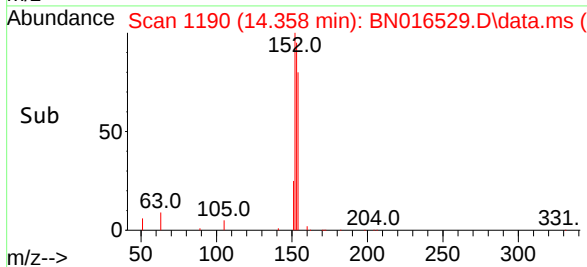
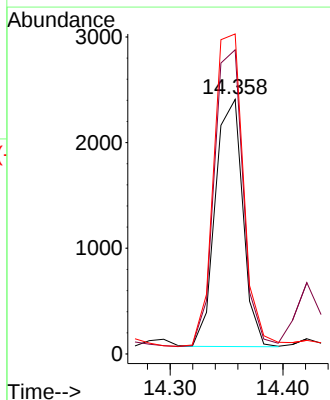
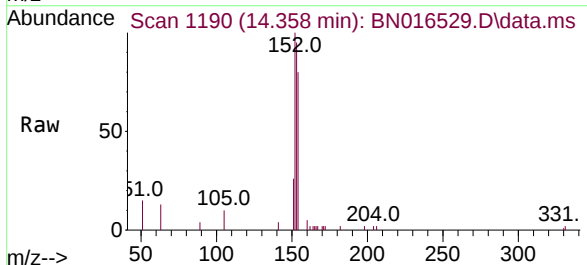
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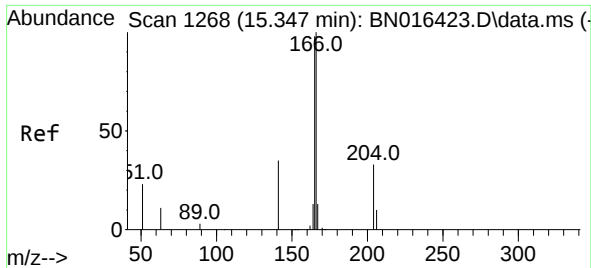
Tgt Ion:152	Resp:	5171
Ion Ratio	Lower	Upper
152	100	
151	20.3	15.2 22.8
153	14.3	10.5 15.7



#17
Acenaphthene
Concen: 0.118 ng
RT: 14.358 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:154	Resp:	3969
Ion Ratio	Lower	Upper
154	100	
153	125.6	89.3 133.9
152	136.3	42.2 63.4#

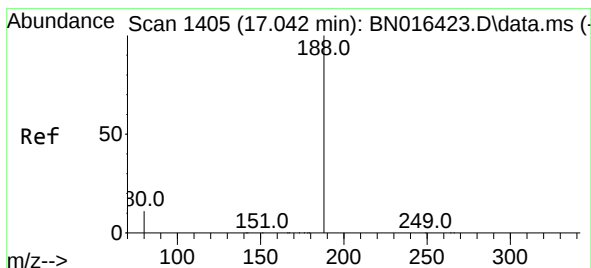
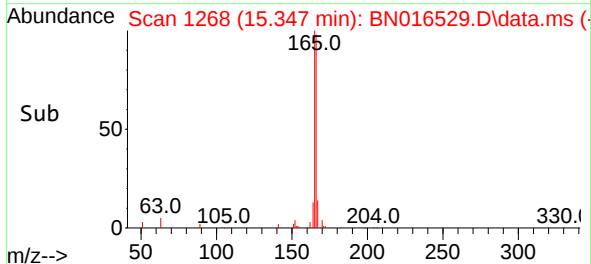
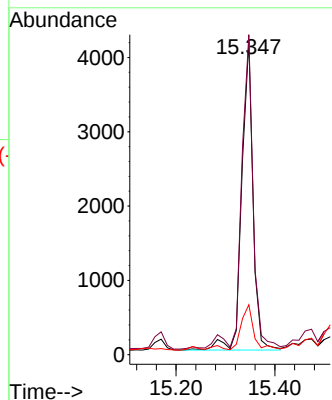
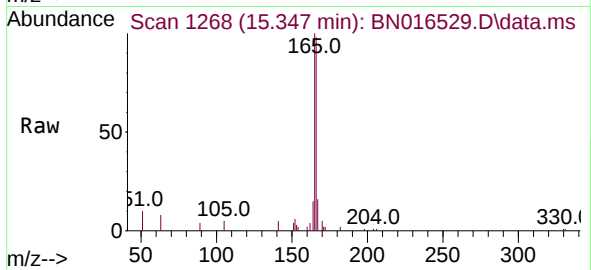




#18
Fluorene
Concen: 0.162 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

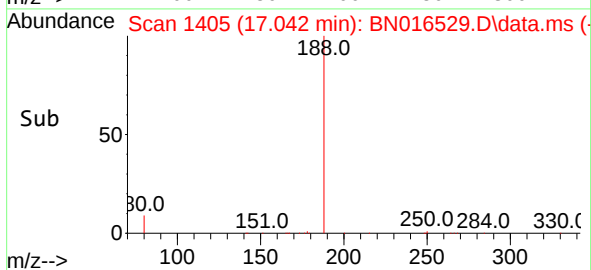
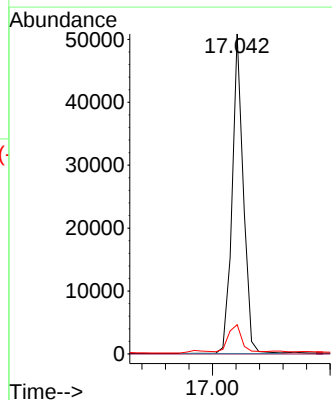
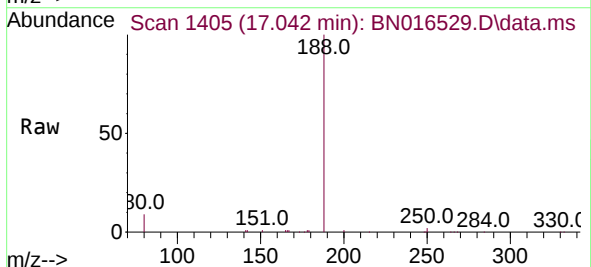
Instrument :
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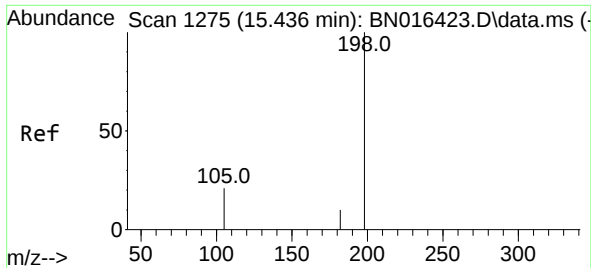
Tgt Ion:166 Resp: 6553
Ion Ratio Lower Upper
166 100
165 98.7 76.7 115.1
167 15.9 10.9 16.3



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:188 Resp: 67216
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.1 7.0 10.6

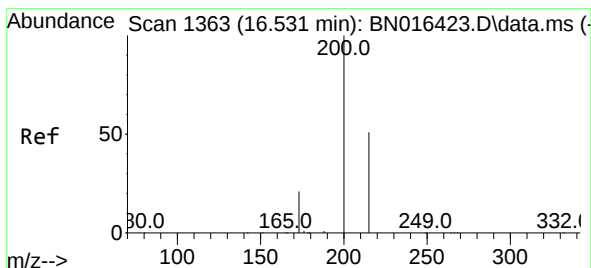
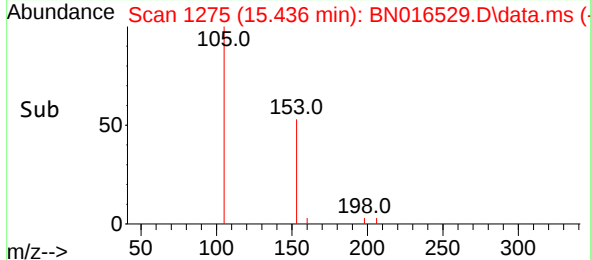
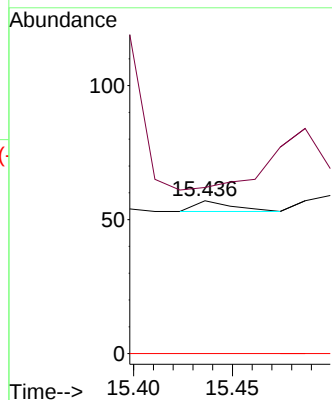
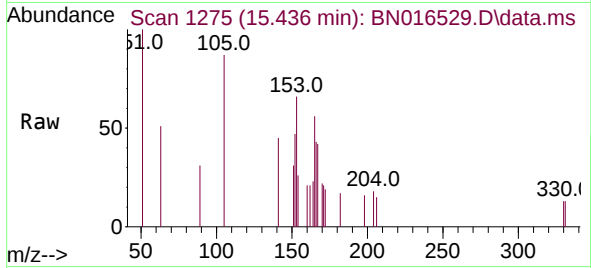




#20
4,6-Dinitro-2-methylphenol
Concen: 0.148 ng
RT: 15.436 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

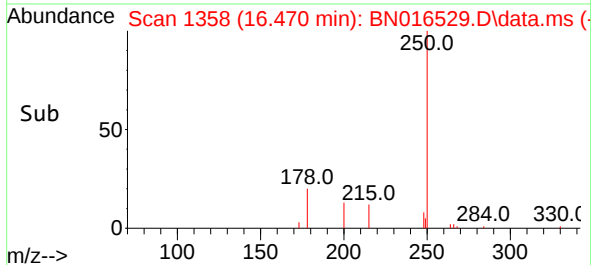
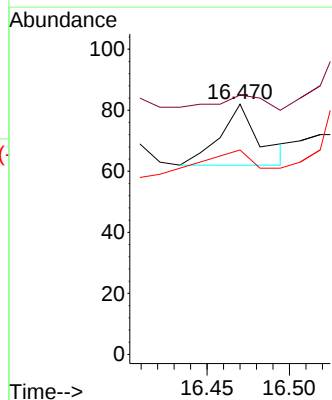
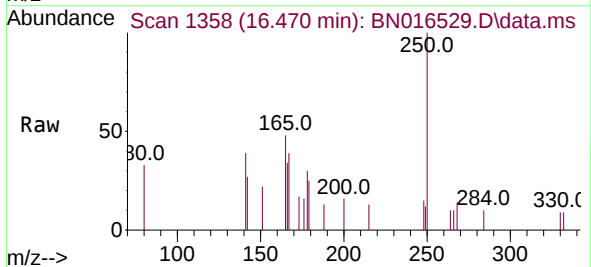
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

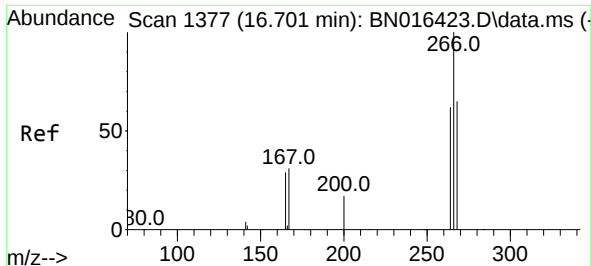
Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
182 108.8 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.136 ng
RT: 16.470 min Scan# 1358
Delta R.T. -0.061 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:200 Resp: 34
Ion Ratio Lower Upper
200 100
173 103.7 18.7 28.1#
215 81.7 41.6 62.4#

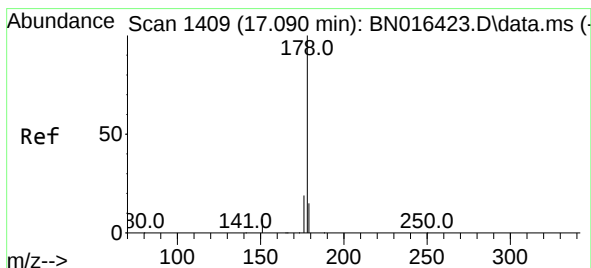
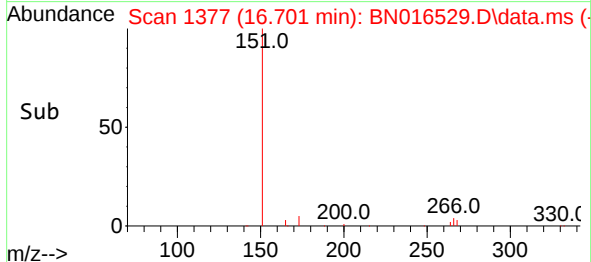
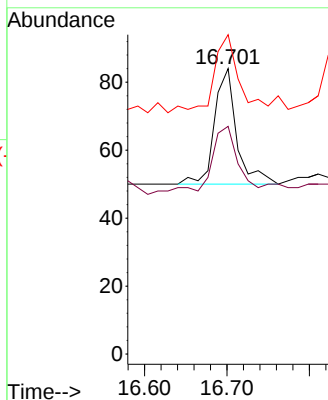
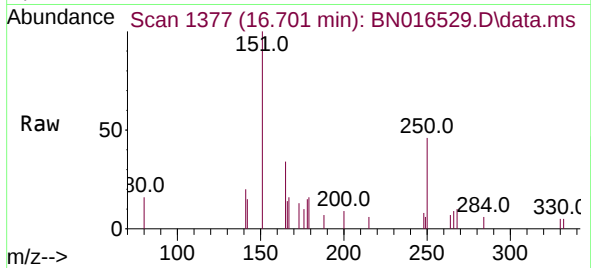




#24
Pentachlorophenol
Concen: 0.248 ng
RT: 16.701 min Scan# 1377
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

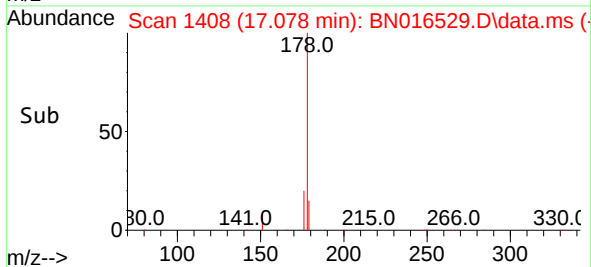
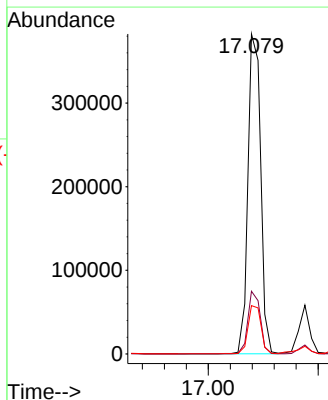
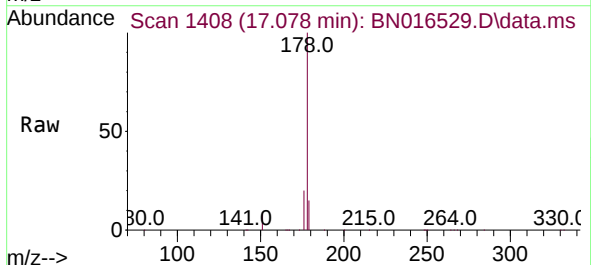
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

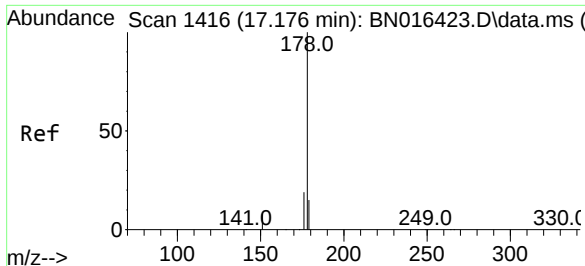
Tgt Ion:	266	Resp:	64
Ion Ratio	Lower	Upper	
266	100		
264	67.2	50.6	75.8
268	68.8	52.6	79.0



#25
Phenanthrene
Concen: 3.094 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:	178	Resp:	619042
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.4	21.6
179	15.5	12.2	18.4

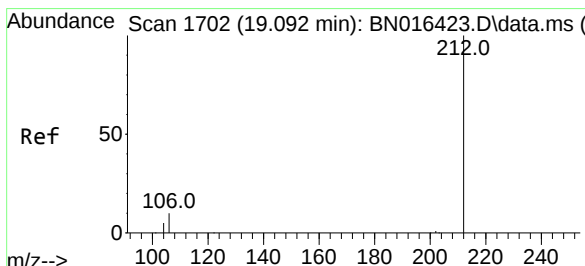
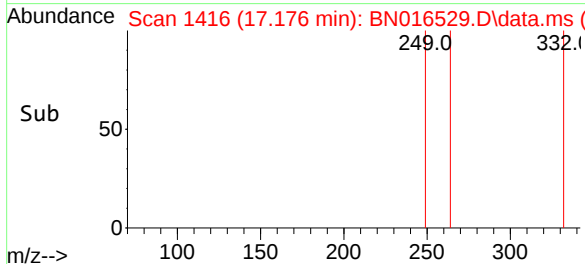
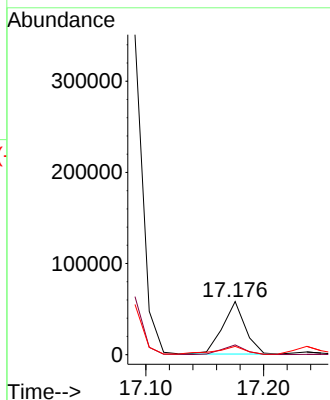
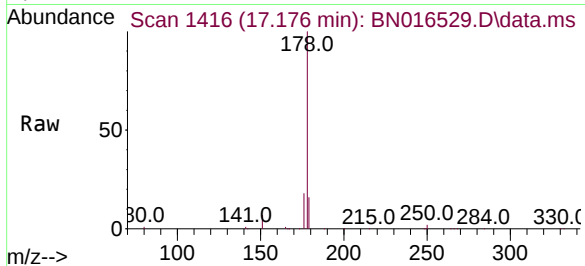




#26
 Anthracene
 Concen: 0.462 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. 0.000 min
 Lab File: BN016529.D
 Acq: 27 Sep 2021 03:15

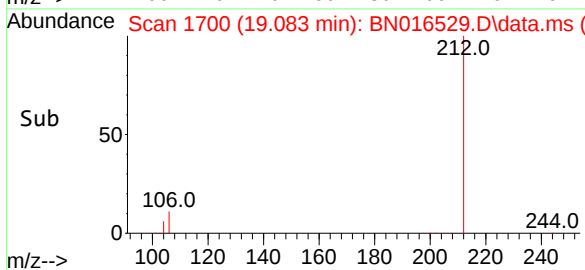
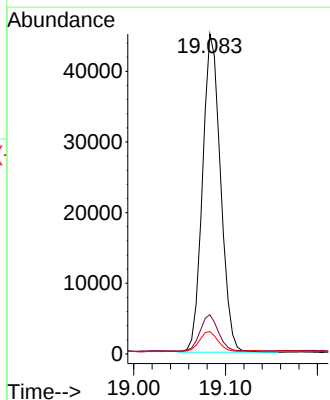
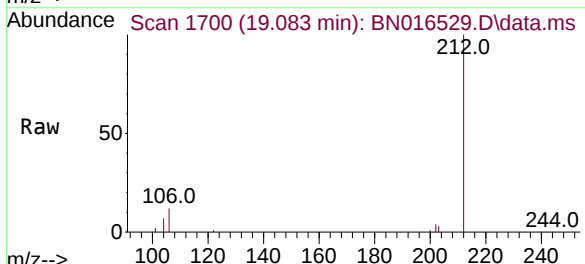
Instrument :
 BNA_N
 ClientSampleId :
 S-816-N-SO-0-0.5-092421

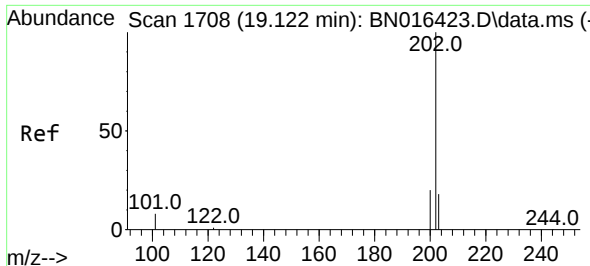
Tgt Ion:	178	Resp:	76959
Ion Ratio	Lower	Upper	
178	100		
176	18.4	13.9	20.9
179	18.4	12.2	18.4#



#27
 Fluoranthene-d10
 Concen: 0.332 ng
 RT: 19.083 min Scan# 1700
 Delta R.T. -0.010 min
 Lab File: BN016529.D
 Acq: 27 Sep 2021 03:15

Tgt Ion:	212	Resp:	61310
Ion Ratio	Lower	Upper	
212	100		
106	11.4	9.8	14.6
104	6.7	5.4	8.2

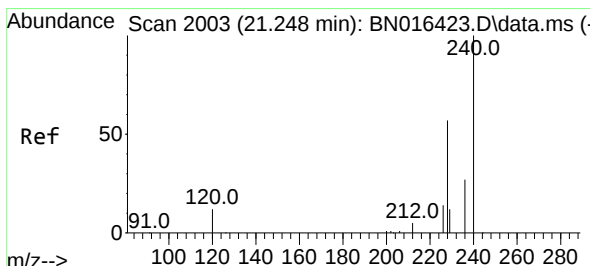
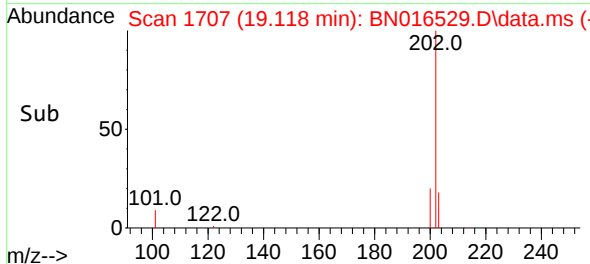
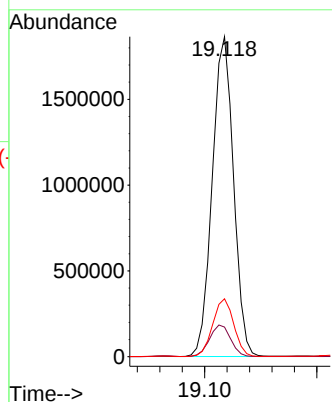
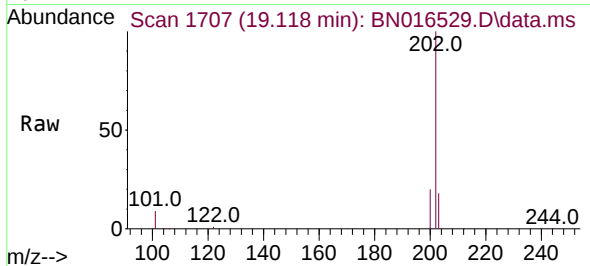




#28
Fluoranthene
Concen: 11.202 ng
RT: 19.118 min Scan# 1707
Delta R.T. -0.005 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

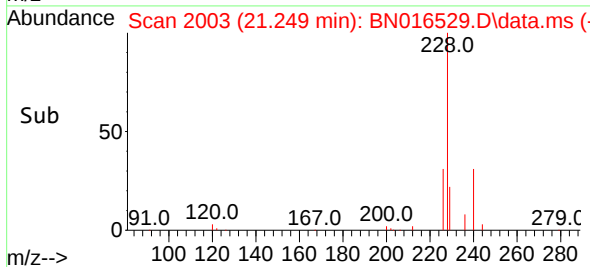
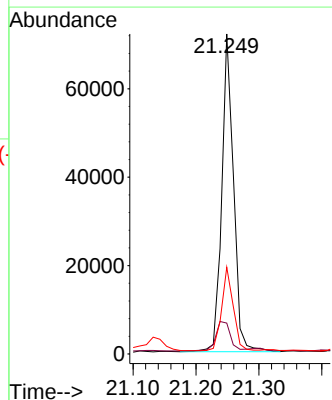
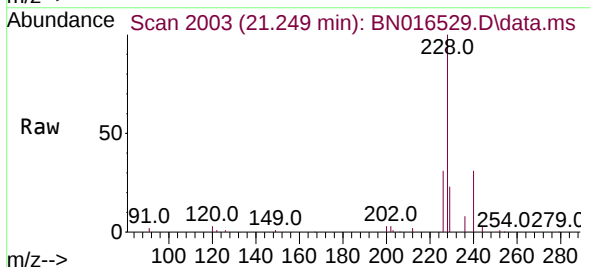
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

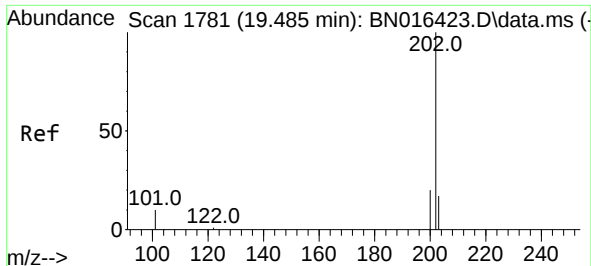
Tgt Ion:202 Resp: 2455700
Ion Ratio Lower Upper
202 100
101 9.8 8.5 12.7
203 17.8 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.249 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:240 Resp: 93559
Ion Ratio Lower Upper
240 100
120 9.7 5.3 7.9#
236 27.1 19.8 29.8

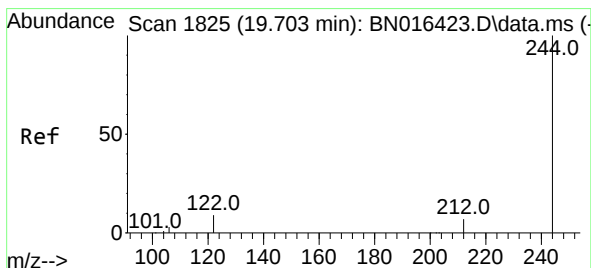
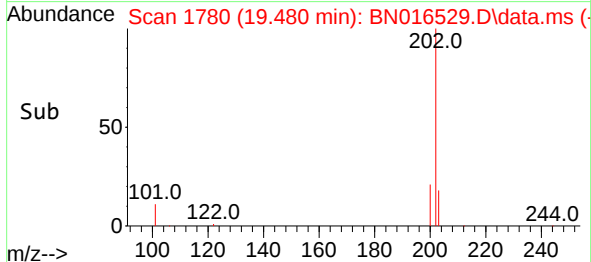
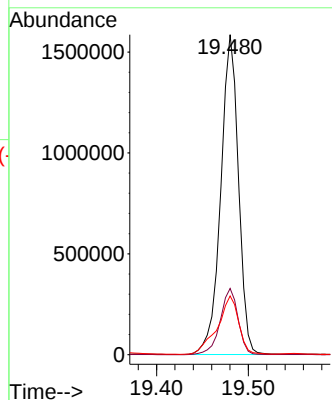
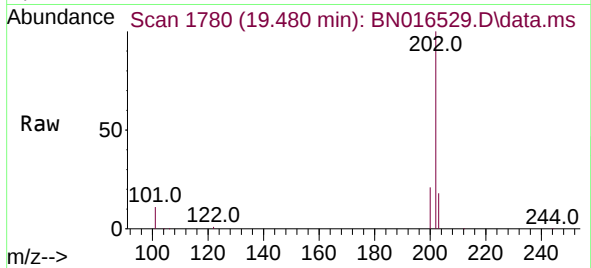




#30
Pyrene
Concen: 7.280 ng
RT: 19.480 min Scan# 1780
Delta R.T. -0.005 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

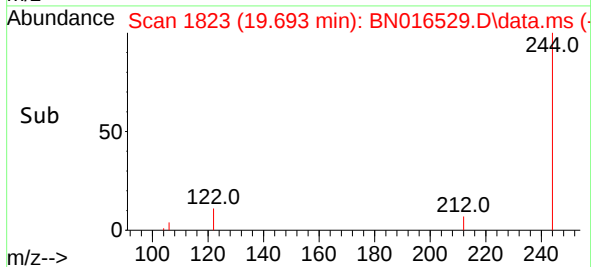
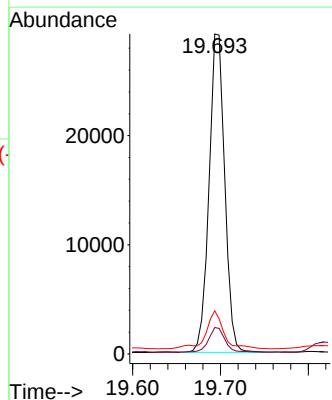
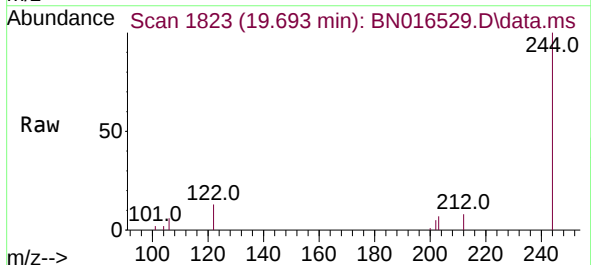
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

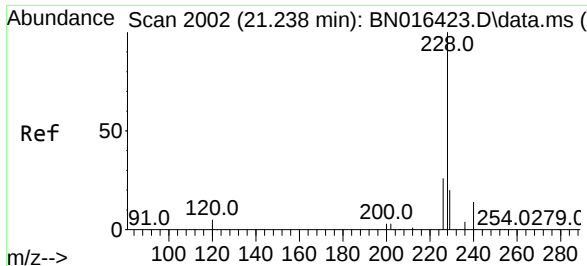
Tgt Ion:202 Resp: 2132563
Ion Ratio Lower Upper
202 100
200 20.8 15.8 23.6
203 21.9 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.167 ng
RT: 19.693 min Scan# 1823
Delta R.T. -0.010 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:244 Resp: 36240
Ion Ratio Lower Upper
244 100
212 8.2 5.5 8.3
122 13.5 9.0 13.4#

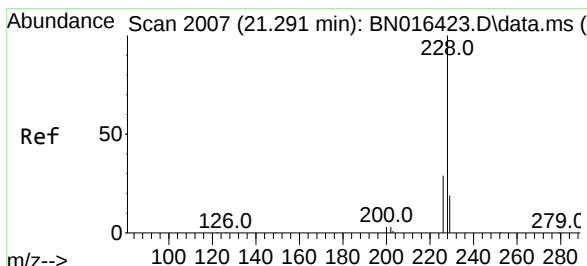
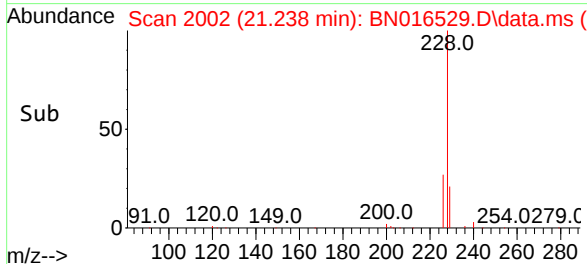
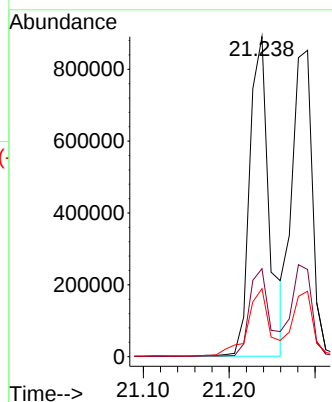
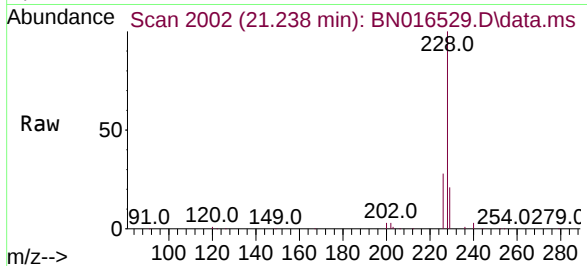




#32
Benzo(a)anthracene
Concen: 5.180 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

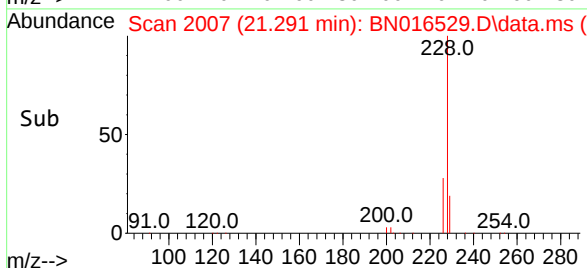
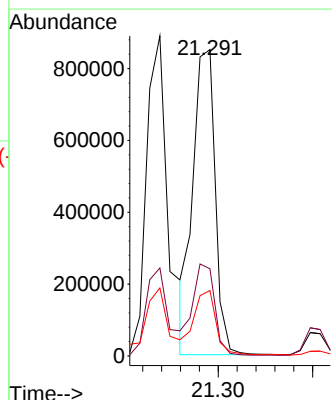
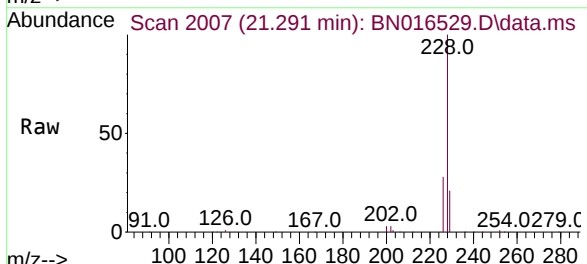
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

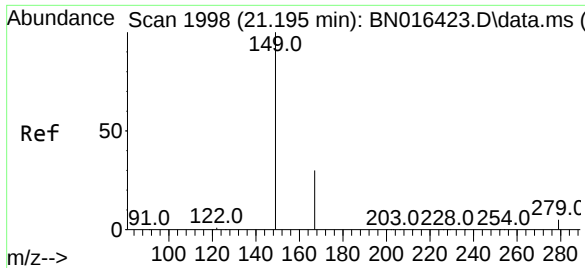
Tgt Ion:228 Resp: 1405457
Ion Ratio Lower Upper
228 100
226 27.5 20.8 31.2
229 21.2 15.8 23.6



#33
Chrysene
Concen: 4.773 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:228 Resp: 1391377
Ion Ratio Lower Upper
228 100
226 28.5 23.0 34.4
229 21.4 15.6 23.4

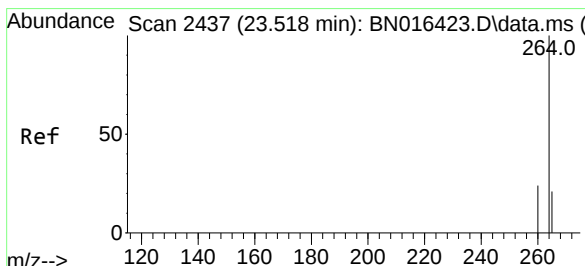
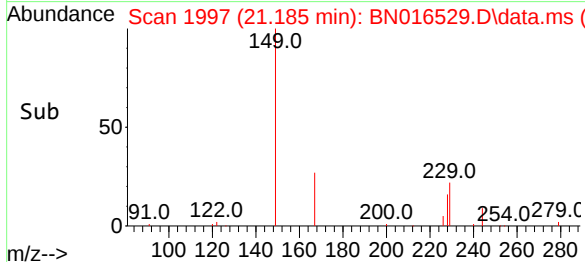
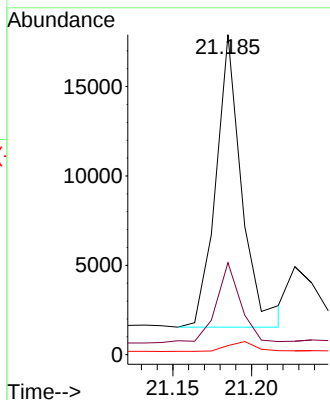
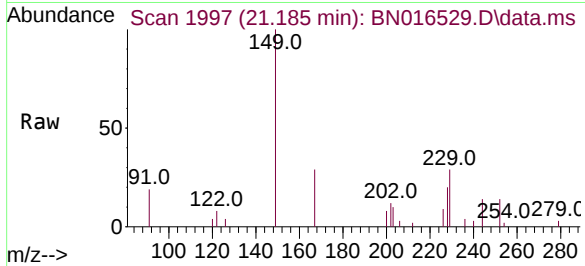




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.254 ng
 RT: 21.185 min Scan# 1997
 Delta R.T. -0.010 min
 Lab File: BN016529.D
 Acq: 27 Sep 2021 03:15

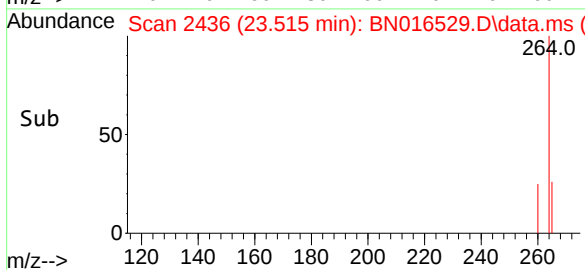
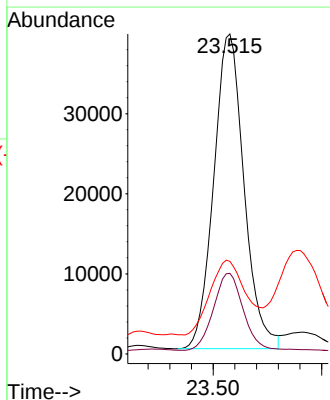
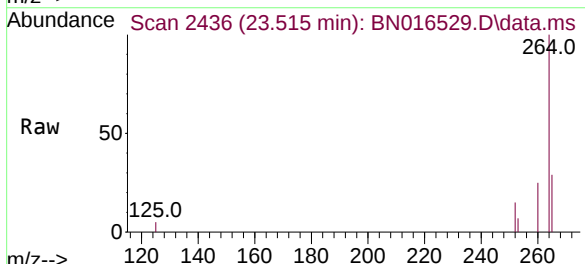
Instrument :
 BNA_N
 ClientSampleId :
 S-816-N-SO-0-0.5-092421

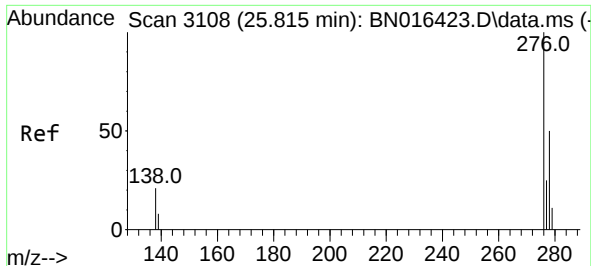
Tgt Ion:	149	Resp:	18809
Ion Ratio	Lower	Upper	
149	100		
167	26.4	23.4	35.0
279	4.1	3.9	5.9



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.515 min Scan# 2436
 Delta R.T. -0.003 min
 Lab File: BN016529.D
 Acq: 27 Sep 2021 03:15

Tgt Ion:	264	Resp:	76308
Ion Ratio	Lower	Upper	
264	100		
260	25.2	18.9	28.3
265	28.9	23.7	35.5

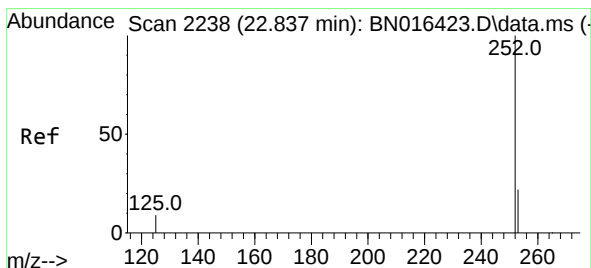
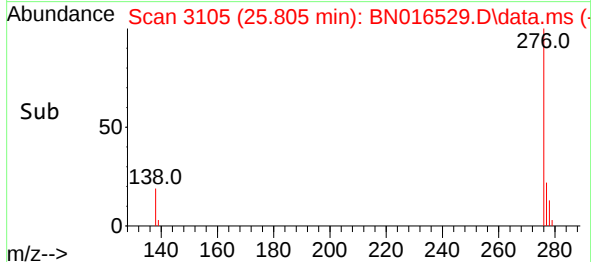
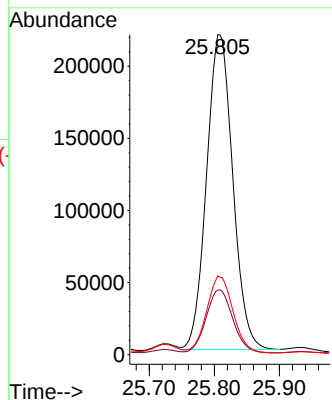
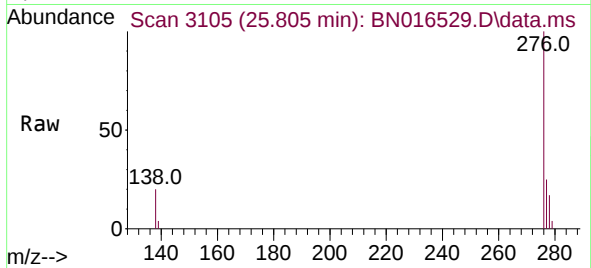




#36
Indeno(1,2,3-cd)pyrene
Concen: 2.470 ng
RT: 25.805 min Scan# 3105
Delta R.T. -0.010 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

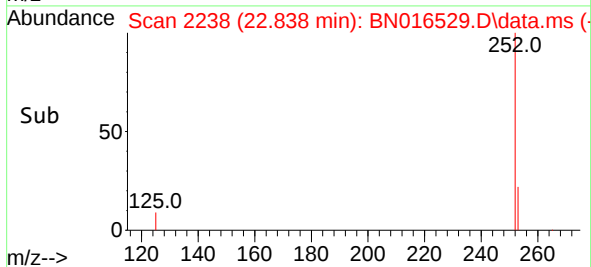
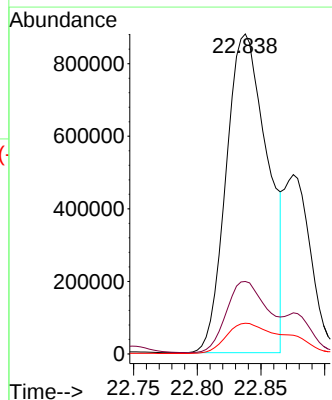
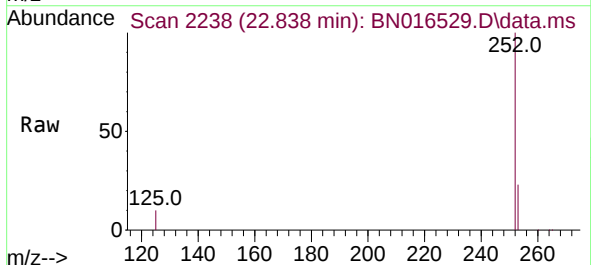
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

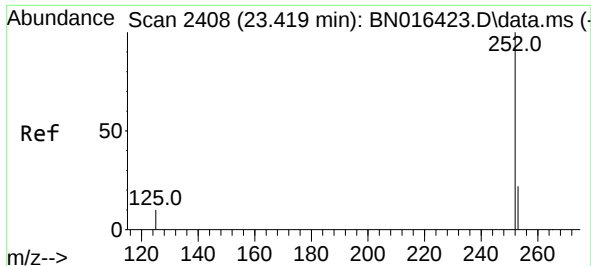
Tgt Ion:276 Resp: 610715
Ion Ratio Lower Upper
276 100
138 20.3 19.3 28.9
277 24.4 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 7.806 ng
RT: 22.838 min Scan# 2238
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Tgt Ion:252 Resp: 1990265
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 9.6 8.4 12.6





#39

Benzo(a)pyrene

Concen: 5.258 ng

RT: 23.416 min Scan# 2407

Delta R.T. -0.003 min

Lab File: BN016529.D

Acq: 27 Sep 2021 03:15

Instrument :

BNA_N

ClientSampleId :

S-816-N-SO-0-0.5-092421

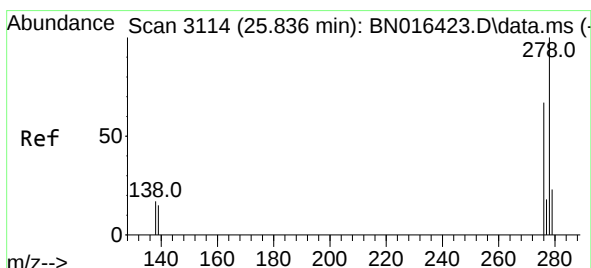
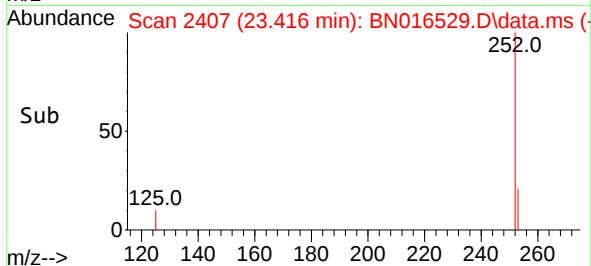
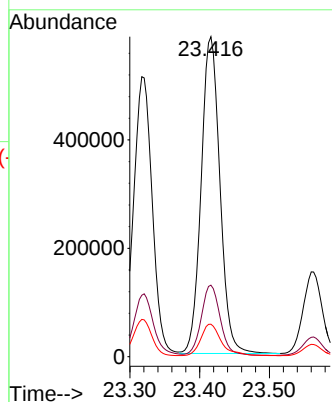
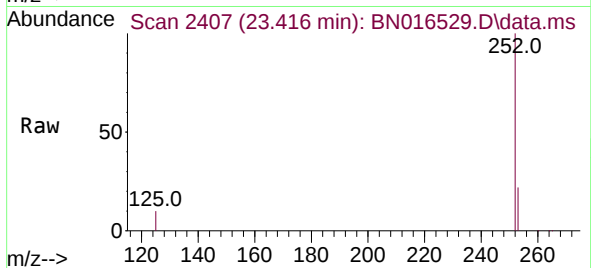
Tgt Ion:252 Resp: 1093022

Ion Ratio Lower Upper

252 100

253 22.4 18.7 28.1

125 10.2 9.9 14.9



#40

Dibenzo(a,h)anthracene

Concen: 0.671 ng

RT: 25.822 min Scan# 3110

Delta R.T. -0.013 min

Lab File: BN016529.D

Acq: 27 Sep 2021 03:15

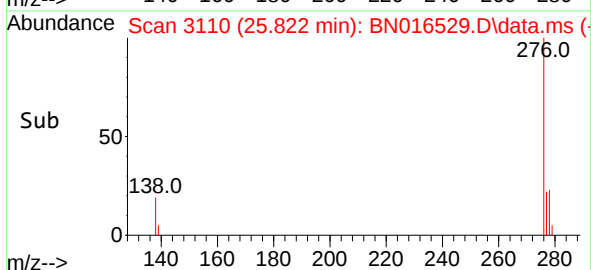
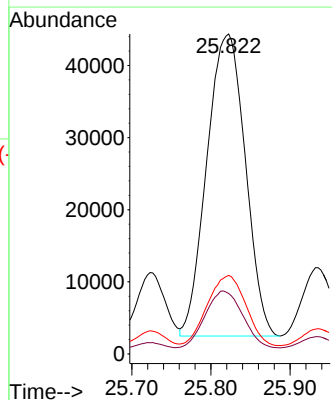
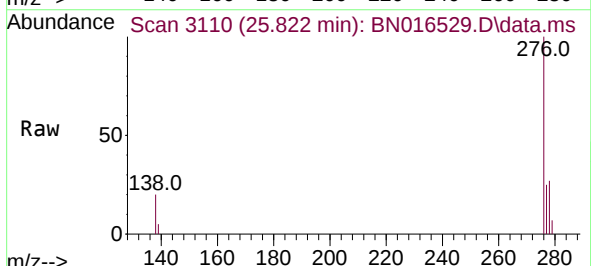
Tgt Ion:278 Resp: 141408

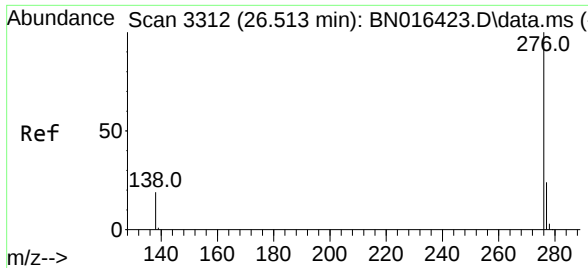
Ion Ratio Lower Upper

278 100

139 18.9 14.2 21.2

279 24.6 21.3 31.9





#41
Benzo(g,h,i)perylene
Concen: 2.391 ng
RT: 26.514 min Scan# 3312
Delta R.T. 0.000 min
Lab File: BN016529.D
Acq: 27 Sep 2021 03:15

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

Tgt Ion:276 Resp: 517209
Ion Ratio Lower Upper
276 100
277 24.0 20.5 30.7
138 20.7 18.2 27.4

