

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092521\
 Data File : BN016533.D
 Acq On : 27 Sep 2021 05:39
 Operator : CG/JU
 Sample : M3892-11
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-825-N-SO-0-0.5-092221

Quant Time: Sep 27 06:27:40 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)

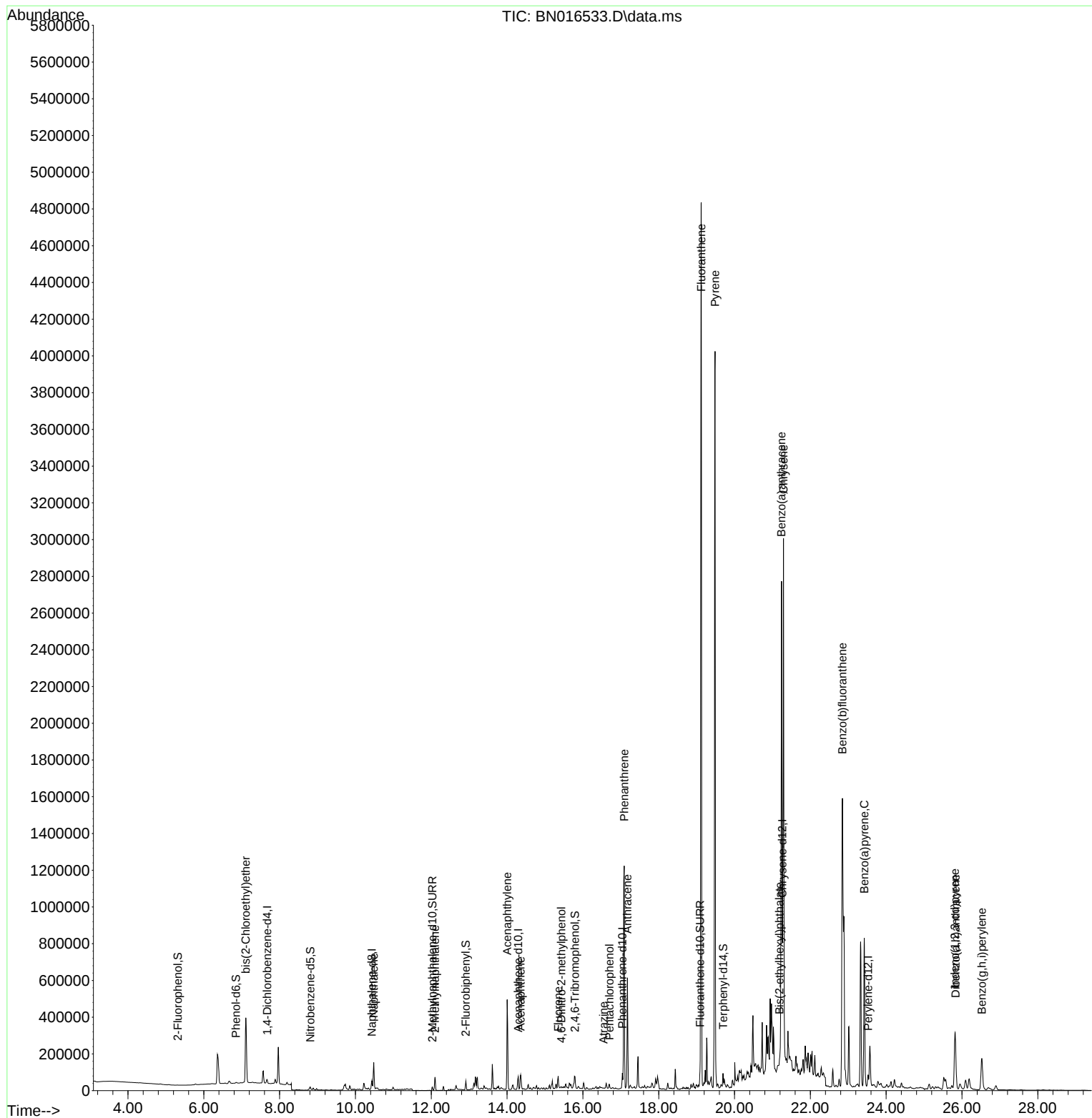
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.670	152	12868	0.400	ng	0.00
7) Naphthalene-d8	10.432	136	58637	0.400	ng	#-0.01
13) Acenaphthene-d10	14.294	164	35354	0.400	ng	# 0.00
19) Phenanthrene-d10	17.042	188	103868	0.400	ng	0.00
29) Chrysene-d12	21.259	240	142764	0.400	ng	# 0.01
35) Perylene-d12	23.522	264	82017	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.309	112	1073	0.037	ng	0.03
5) Phenol-d6	6.849	99	3933	0.115	ng	0.00
8) Nitrobenzene-d5	8.810	82	13882	0.334	ng	0.00
11) 2-Methylnaphthalene-d10	12.025	152	24687	0.284	ng	0.00
14) 2,4,6-Tribromophenol	15.791	330	5047	0.509	ng	0.00
15) 2-Fluorobiphenyl	12.911	172	37725	0.254	ng	-0.01
27) Fluoranthene-d10	19.088	212	90549	0.318	ng	0.00
31) Terphenyl-d14	19.698	244	73307	0.221	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.107	93	645724	18.730	ng	# 24
9) Naphthalene	10.483	128	110939	0.709	ng	100
12) 2-Methylnaphthalene	12.100	142	49901	0.503	ng	# 95
16) Acenaphthylene	14.002	152	507371	3.529	ng	99
17) Acenaphthene	14.357	154	27296	0.267	ng	# 72
18) Fluorene	15.347	166	43860	0.358	ng	# 92
20) 4,6-Dinitro-2-methylph...	15.436	198	97	0.155	ng	# 1
23) Atrazine	16.543	200	264	0.140	ng	# 1
24) Pentachlorophenol	16.701	266	174	0.250	ng	# 74
25) Phenanthrene	17.090	178	1391415	4.501	ng	98
26) Anthracene	17.176	178	574330	2.230	ng	97
28) Fluoranthene	19.122	202	4572421	13.497	ng	98
30) Pyrene	19.485	202	3737947	8.362	ng	# 93
32) Benzo(a)anthracene	21.238	228	2222410	5.368	ng	94
33) Chrysene	21.291	228	2643758	5.944	ng	97
34) Bis(2-ethylhexyl)phtha...	21.185	149	47783	0.423	ng	# 53
36) Indeno(1,2,3-cd)pyrene	25.815	276	495390	1.864	ng	97
37) Benzo(b)fluoranthene	22.844	252	2720811	9.929	ng	100
39) Benzo(a)pyrene	23.423	252	1127891	5.048	ng	98
40) Dibenzo(a,h)anthracene	25.829	278	135690	0.599	ng	# 95
41) Benzo(g,h,i)perylene	26.524	276	366062	1.575	ng	97

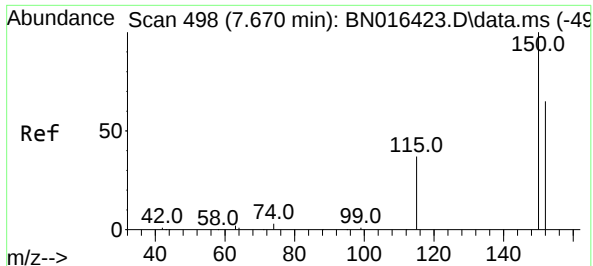
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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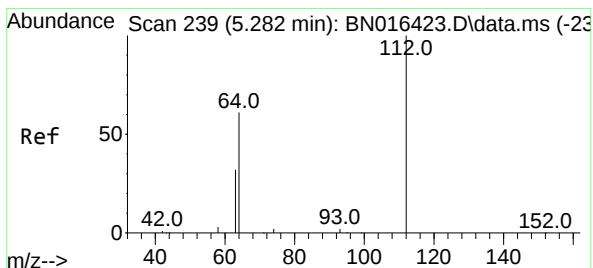
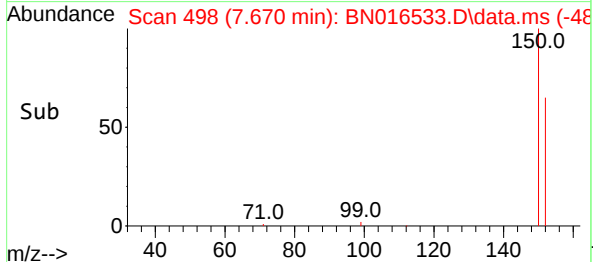
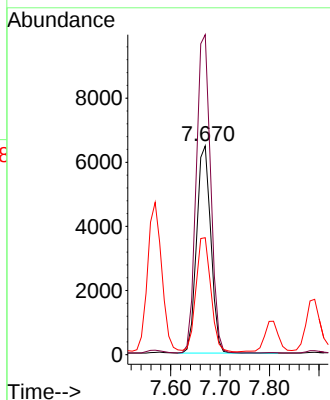
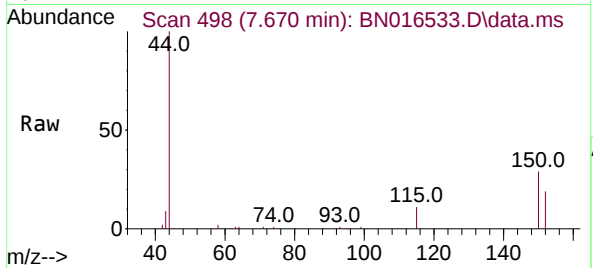




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.670 min Scan# 498
 Delta R.T. -0.000 min
 Lab File: BN016533.D
 Acq: 27 Sep 2021 05:39

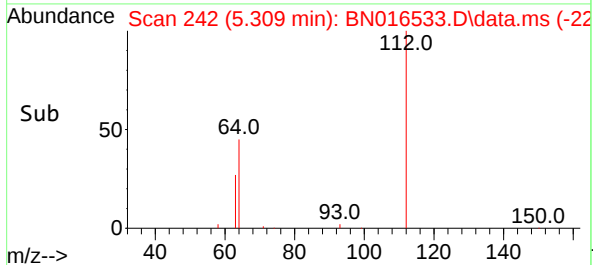
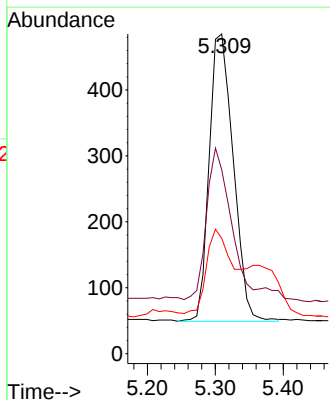
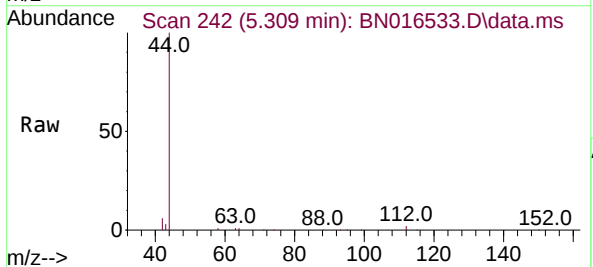
Instrument :
 BNA_N
 ClientSampleId :
 S-825-N-SO-0-0.5-092221

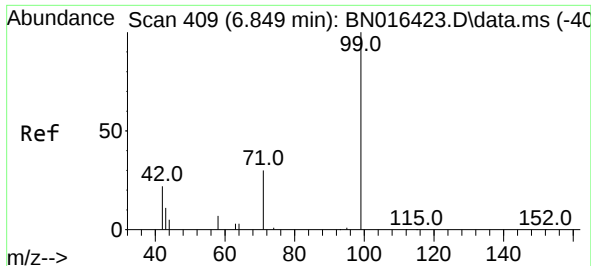
Tgt Ion:152 Resp: 12868
 Ion Ratio Lower Upper
 152 100
 150 153.3 125.6 188.4
 115 56.1 50.2 75.2



#4
 2-Fluorophenol
 Concen: 0.037 ng
 RT: 5.309 min Scan# 242
 Delta R.T. 0.028 min
 Lab File: BN016533.D
 Acq: 27 Sep 2021 05:39

Tgt Ion:112 Resp: 1073
 Ion Ratio Lower Upper
 112 100
 64 55.0 47.3 70.9
 63 31.4 23.4 35.0

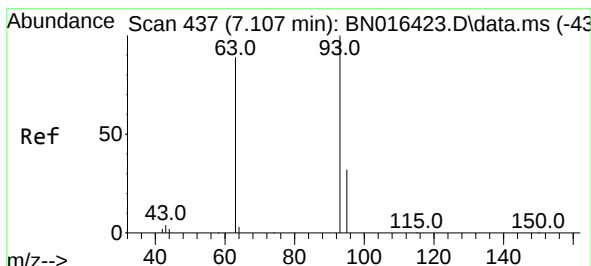
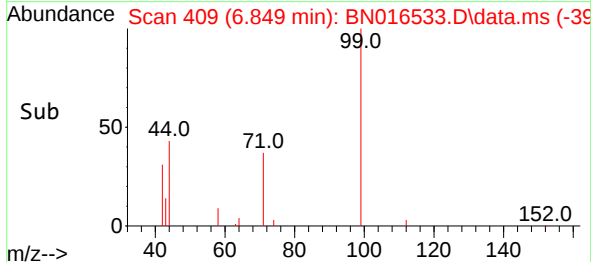
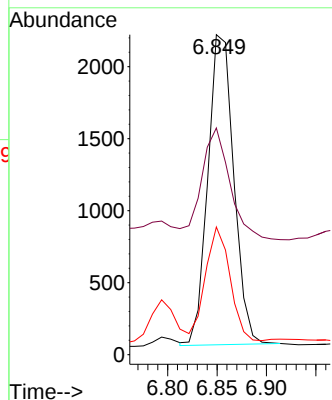
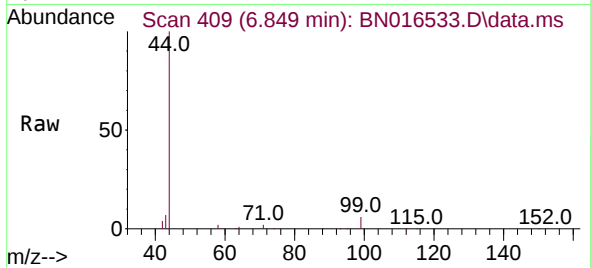




#5
Phenol-d6
Concen: 0.115 ng
RT: 6.849 min Scan# 409
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

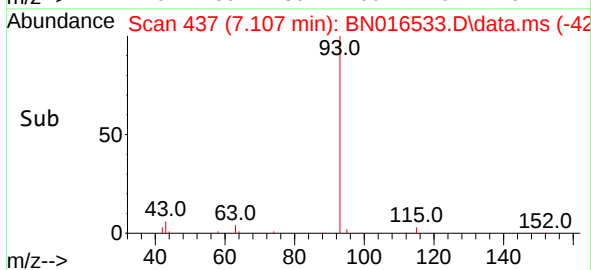
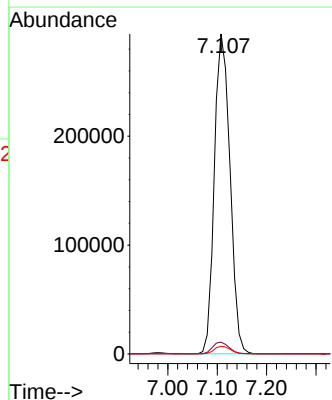
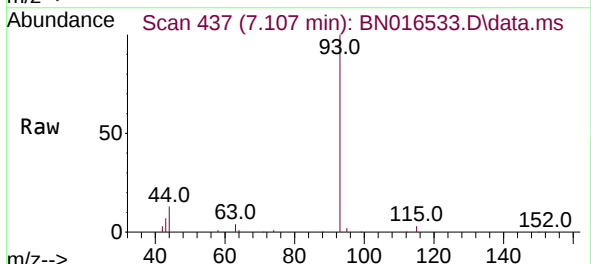
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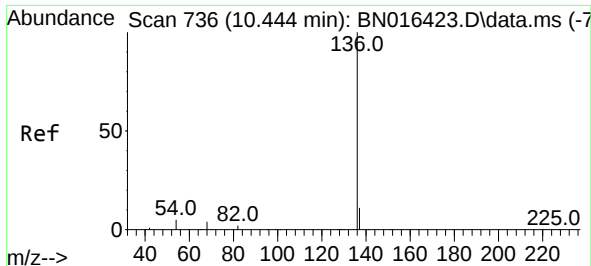
Tgt Ion: 99 Resp: 3933
Ion Ratio Lower Upper
99 100
42 39.0 14.0 21.0#
71 34.5 23.8 35.6



#6
bis(2-Chloroethyl)ether
Concen: 18.730 ng
RT: 7.107 min Scan# 437
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion: 93 Resp: 645724
Ion Ratio Lower Upper
93 100
63 3.9 63.4 95.0#
95 2.5 26.8 40.2#

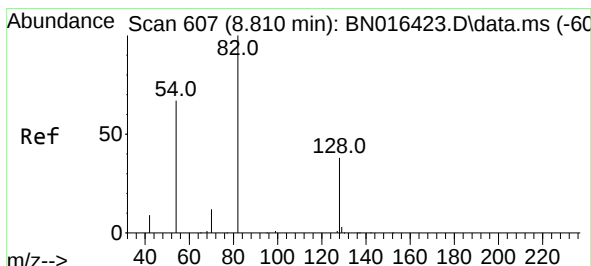
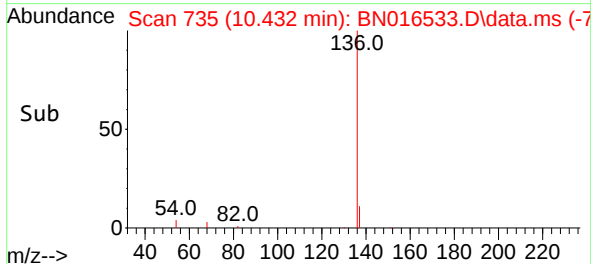
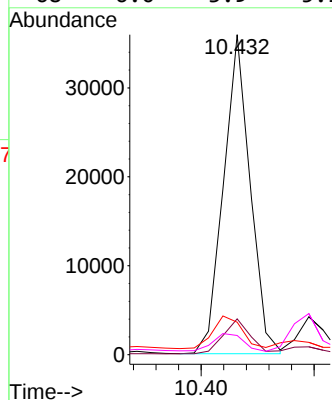
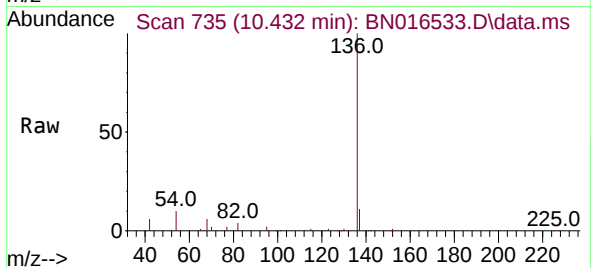




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.432 min Scan# 735
Delta R.T. -0.013 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

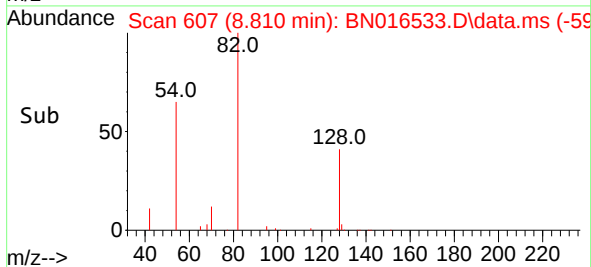
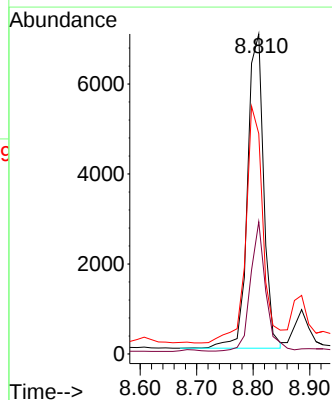
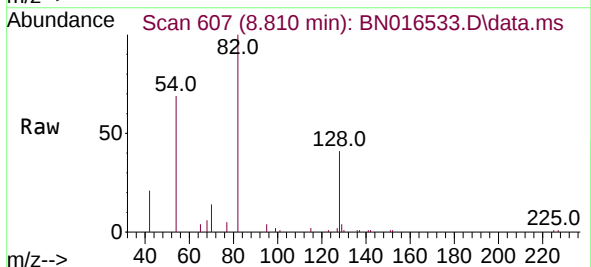
Instrument :
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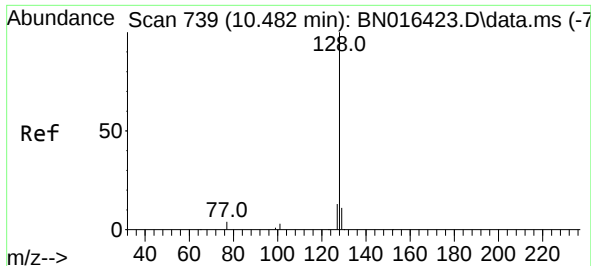
Tgt Ion:	136	Resp:	58637
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	10.2	5.3	7.9#
68	6.0	3.9	5.9#



#8
Nitrobenzene-d5
Concen: 0.334 ng
RT: 8.810 min Scan# 607
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:	82	Resp:	13882
Ion Ratio	Lower	Upper	
82	100		
128	41.3	31.7	47.5
54	68.8	46.4	69.6

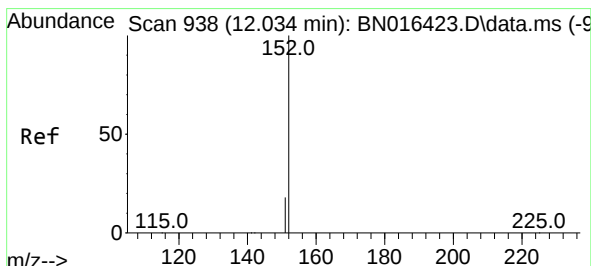
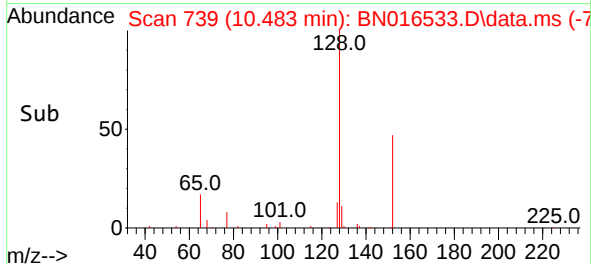
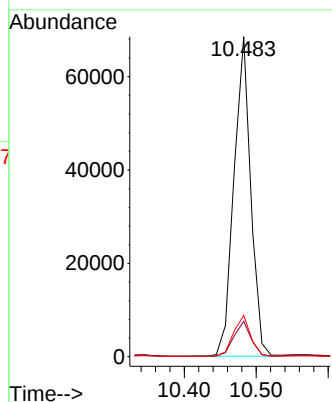
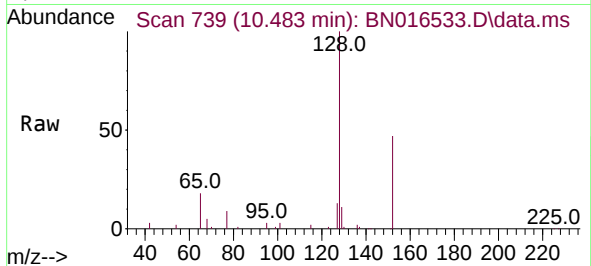




#9
Naphthalene
Concen: 0.709 ng
RT: 10.483 min Scan# 739
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

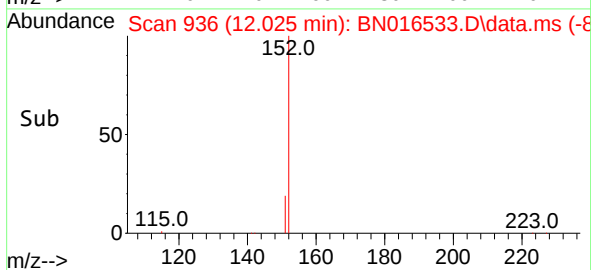
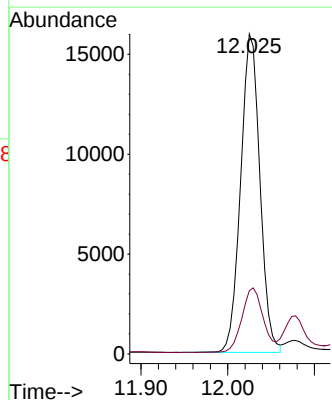
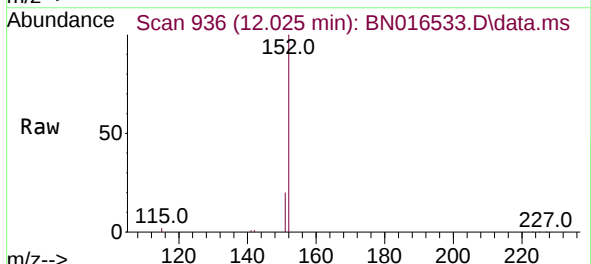
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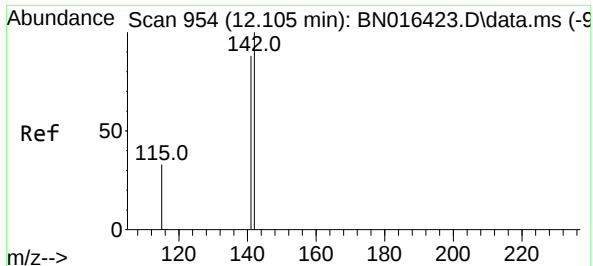
Tgt Ion:128 Resp: 110939
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 12.8 10.1 15.1



#11
2-Methylnaphthalene-d10
Concen: 0.284 ng
RT: 12.025 min Scan# 936
Delta R.T. -0.009 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:152 Resp: 24687
Ion Ratio Lower Upper
152 100
151 22.7 16.1 24.1

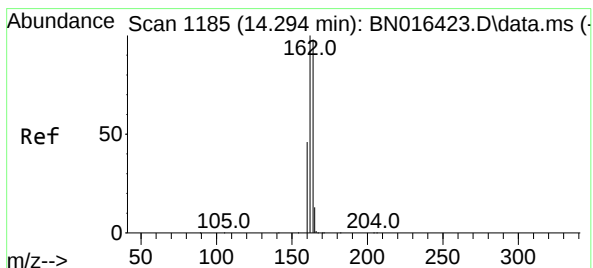
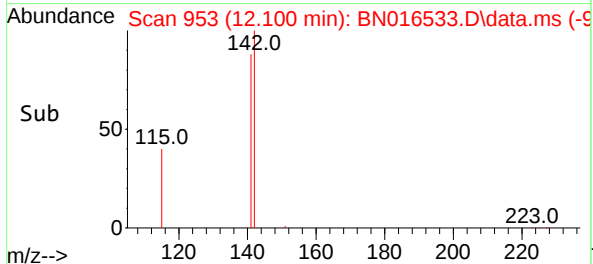
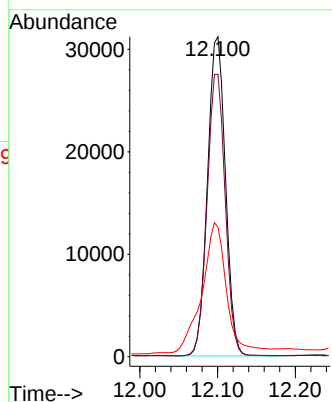
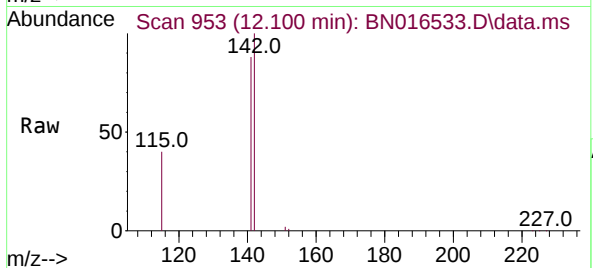




#12
2-Methylnaphthalene
Concen: 0.503 ng
RT: 12.100 min Scan# 953
Delta R.T. -0.004 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

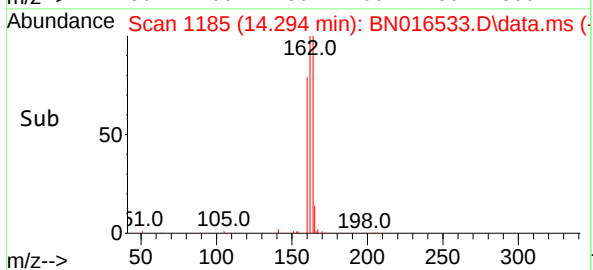
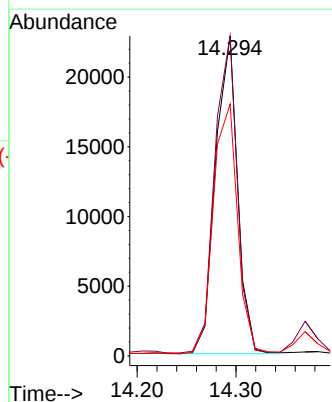
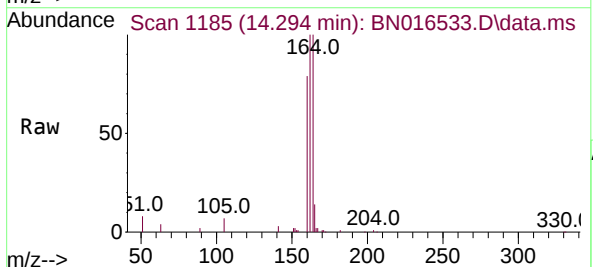
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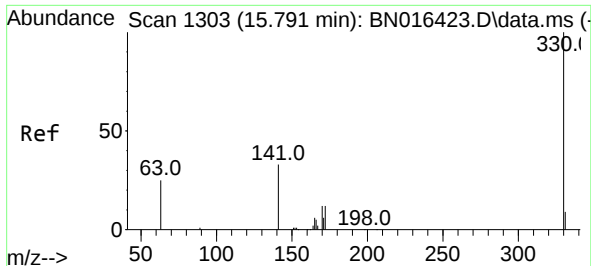
Tgt Ion:142 Resp: 49901
Ion Ratio Lower Upper
142 100
141 88.2 69.8 104.8
115 40.4 24.4 36.6#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.294 min Scan# 1185
Delta R.T. -0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:164 Resp: 35354
Ion Ratio Lower Upper
164 100
162 100.0 79.0 118.4
160 78.7 34.1 51.1#

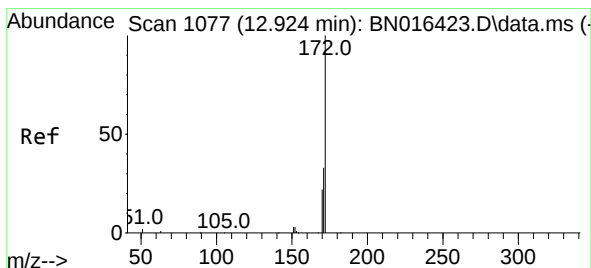
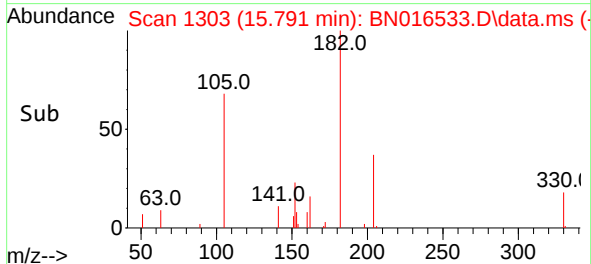
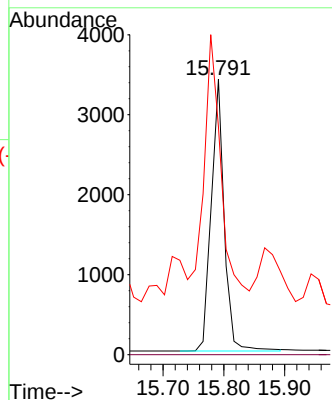
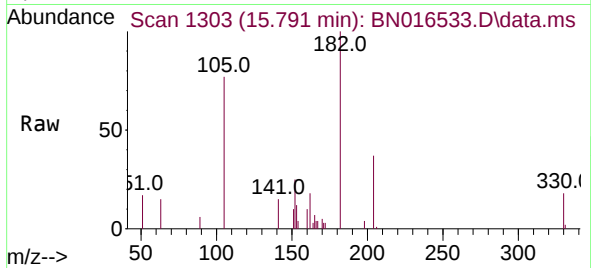




#14
2,4,6-Tribromophenol
Concen: 0.509 ng
RT: 15.791 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

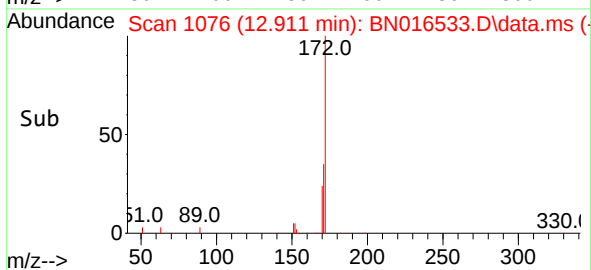
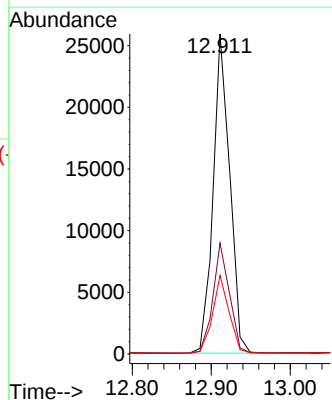
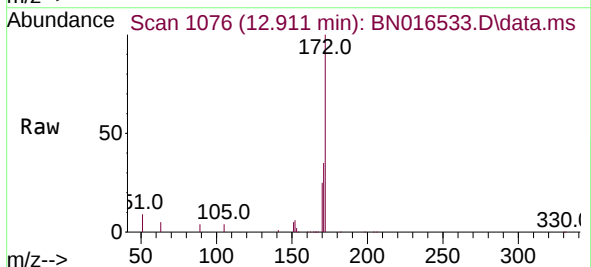
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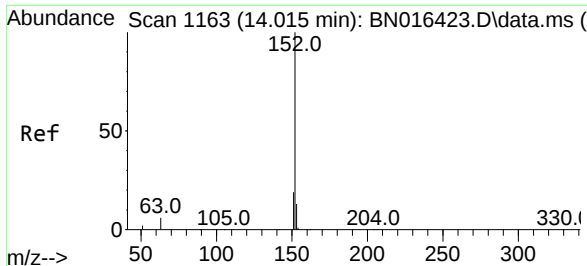
Tgt Ion:330 Resp: 5047
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 113.8 25.0 37.4#



#15
2-Fluorobiphenyl
Concen: 0.254 ng
RT: 12.911 min Scan# 1076
Delta R.T. -0.013 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:172 Resp: 37725
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 24.6 18.2 27.2

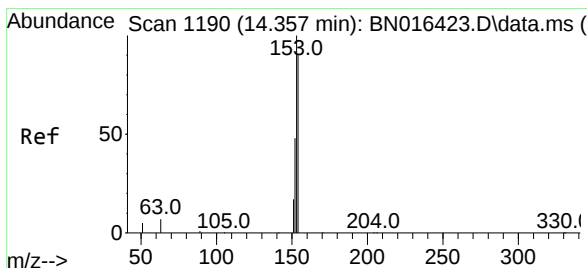
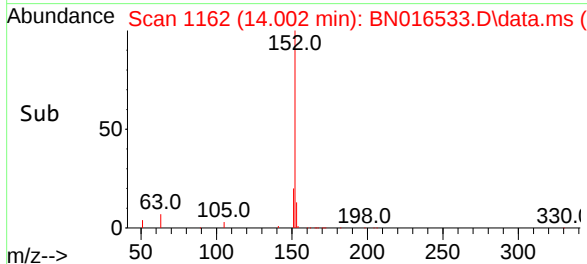
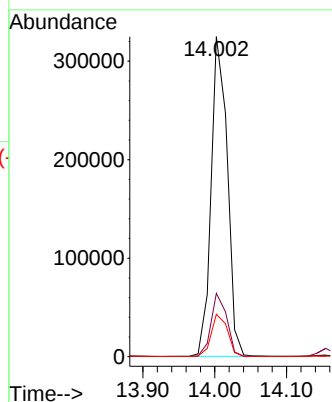
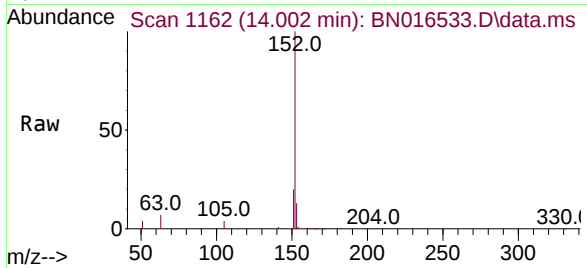




#16
Acenaphthylene
Concen: 3.529 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.013 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

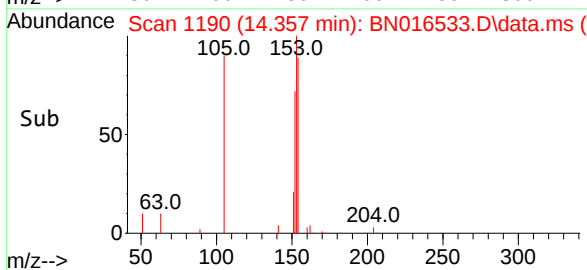
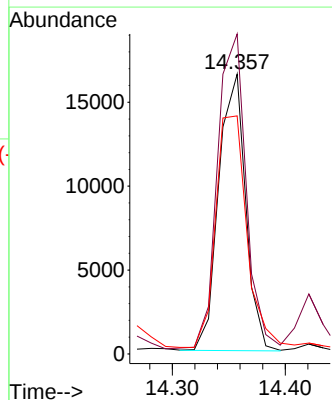
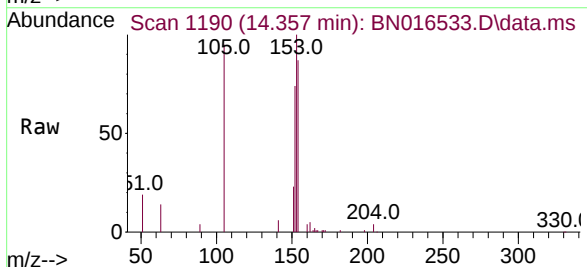
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ClientSampleId :
S-825-N-SO-0-0.5-092221

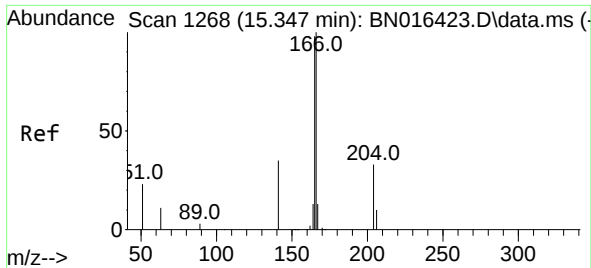
Tgt Ion:152 Resp: 507371
Ion Ratio Lower Upper
152 100
151 19.3 15.2 22.8
153 13.3 10.5 15.7



#17
Acenaphthene
Concen: 0.267 ng
RT: 14.357 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:154 Resp: 27296
Ion Ratio Lower Upper
154 100
153 121.3 89.3 133.9
152 101.9 42.2 63.4#

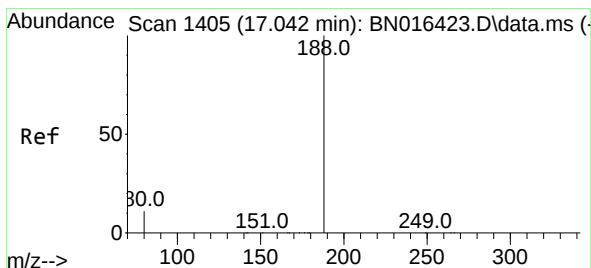
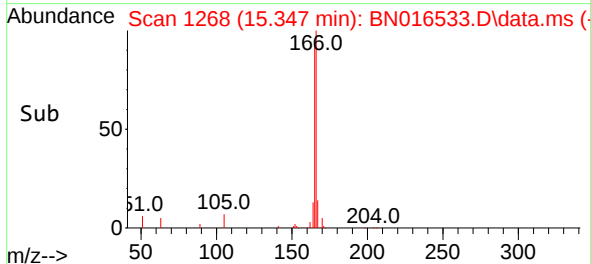
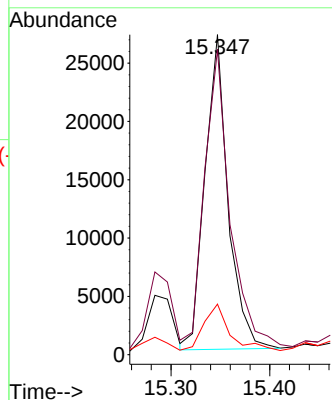
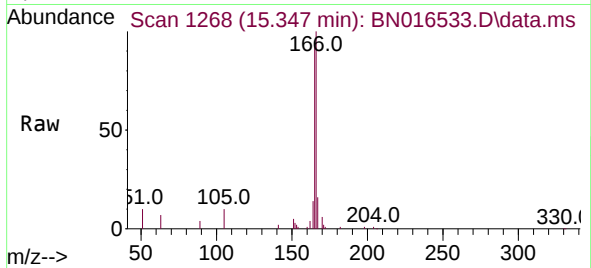




#18
Fluorene
Concen: 0.358 ng
RT: 15.347 min Scan# 1268
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

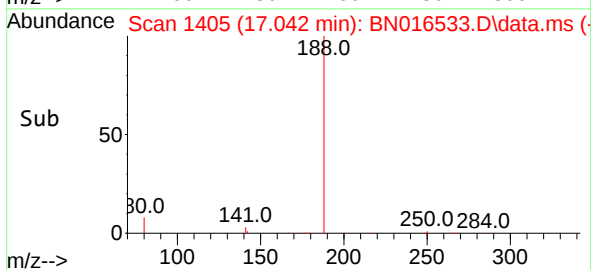
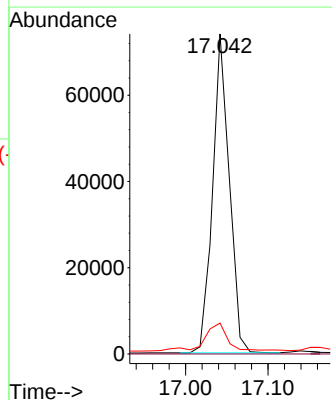
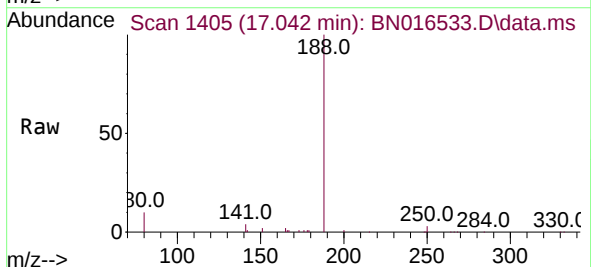
Instrument :
BNA_N
ClientSampleId :
S-825-N-SO-0-0.5-092221

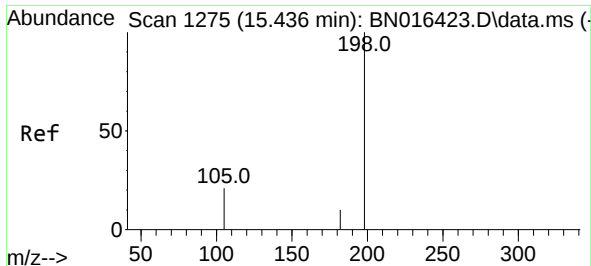
Tgt Ion:166 Resp: 43860
Ion Ratio Lower Upper
166 100
165 103.7 76.7 115.1
167 16.5 10.9 16.3#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.042 min Scan# 1405
Delta R.T. -0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:188 Resp: 103868
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.6 7.0 10.6

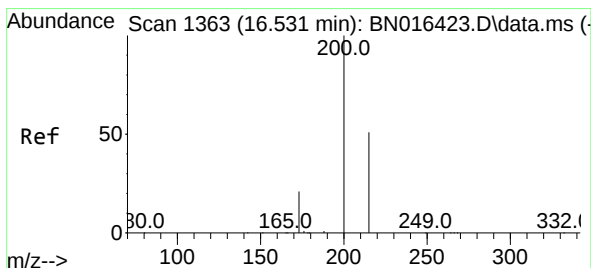
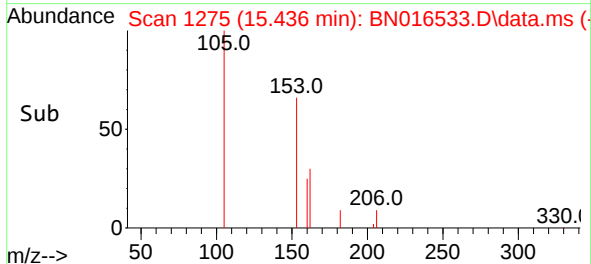
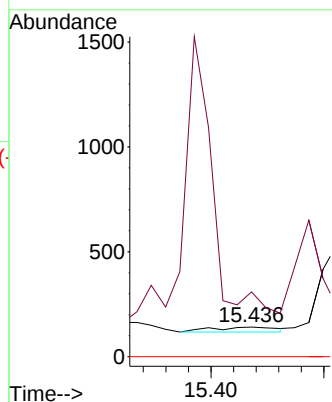
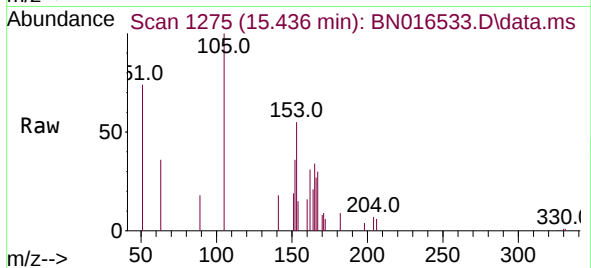




#20
4,6-Dinitro-2-methylphenol
Concen: 0.155 ng
RT: 15.436 min Scan# 1275
Delta R.T. -0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

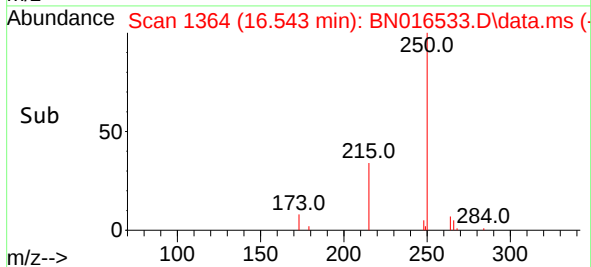
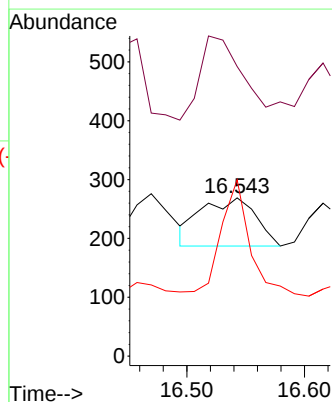
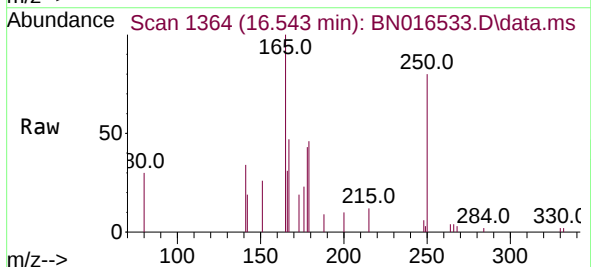
Instrument :
BNA_N
ClientSampleId :
S-825-N-SO-0-0.5-092221

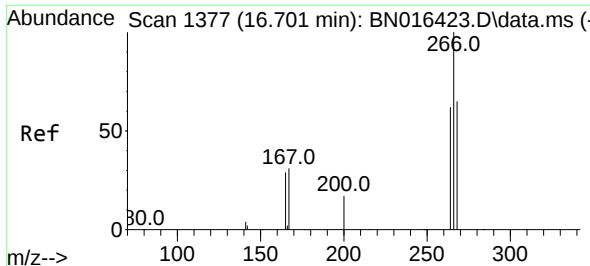
Tgt Ion:198 Resp: 97
Ion Ratio Lower Upper
198 100
182 219.1 26.6 39.8#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.140 ng
RT: 16.543 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:200 Resp: 264
Ion Ratio Lower Upper
200 100
173 182.9 18.7 28.1#
215 111.5 41.6 62.4#

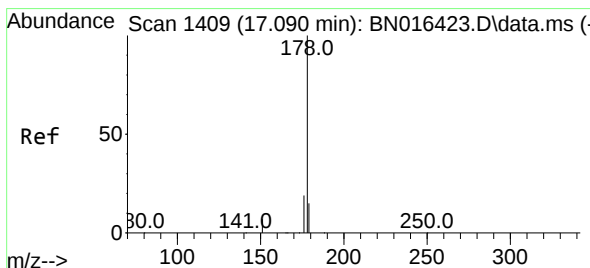
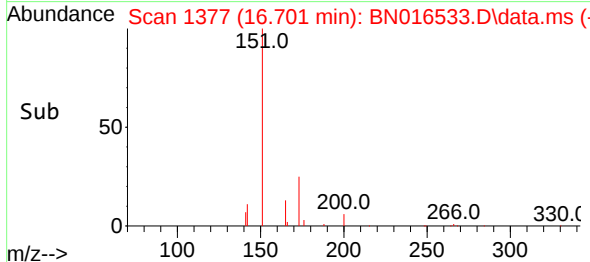
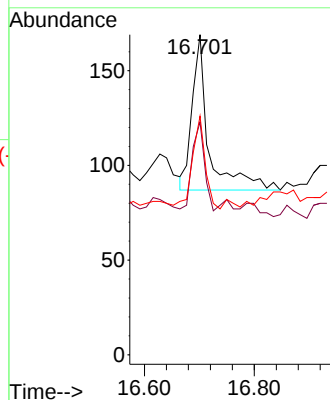
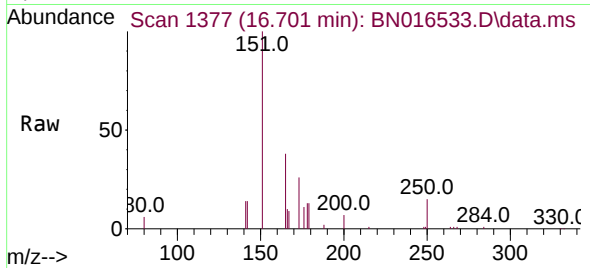




#24
 Pentachlorophenol
 Concen: 0.250 ng
 RT: 16.701 min Scan# 1377
 Delta R.T. 0.000 min
 Lab File: BN016533.D
 Acq: 27 Sep 2021 05:39

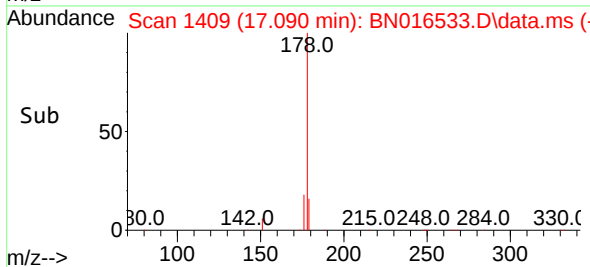
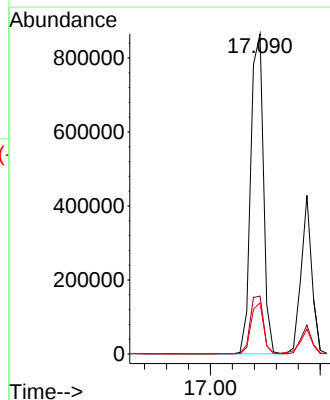
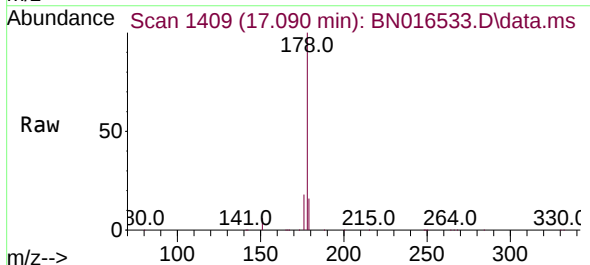
Instrument :
 BNA_N
 ClientSampleId :
 S-825-N-SO-0-0.5-092221

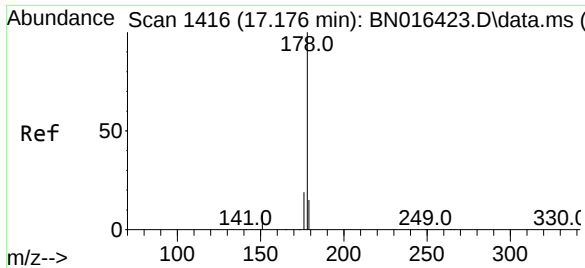
Tgt Ion:	266	Resp:	174
Ion	Ratio	Lower	Upper
266	100		
264	42.5	50.6	75.8#
268	46.0	52.6	79.0#



#25
 Phenanthrene
 Concen: 4.501 ng
 RT: 17.090 min Scan# 1409
 Delta R.T. 0.000 min
 Lab File: BN016533.D
 Acq: 27 Sep 2021 05:39

Tgt Ion:	178	Resp:	1391415
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.4	21.6
179	15.8	12.2	18.4

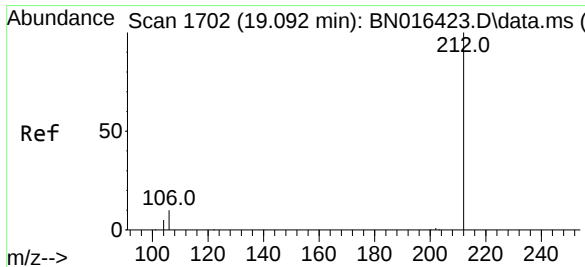
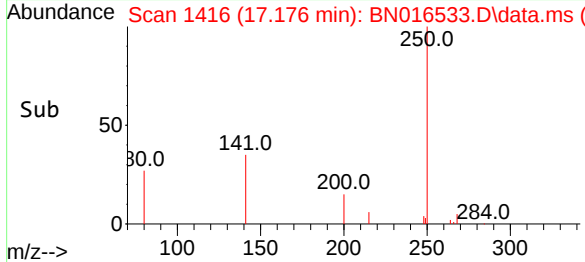
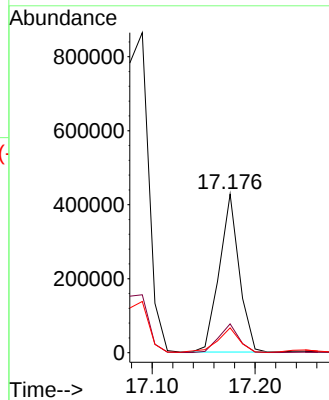
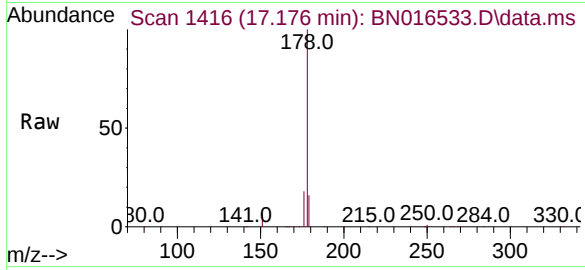




#26
 Anthracene
 Concen: 2.230 ng
 RT: 17.176 min Scan# 1416
 Delta R.T. 0.000 min
 Lab File: BN016533.D
 Acq: 27 Sep 2021 05:39

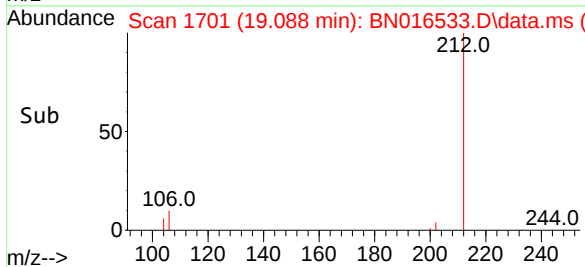
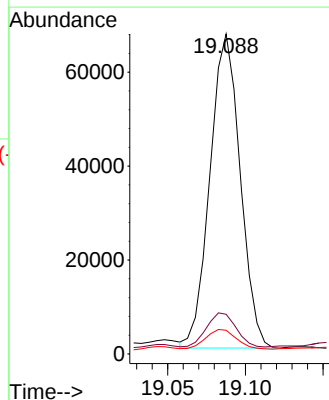
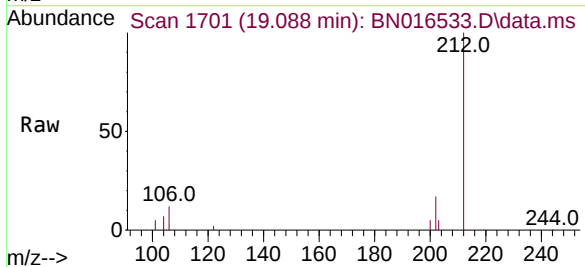
Instrument :
 BNA_N
 ClientSampleId :
 S-825-N-SO-0-0.5-092221

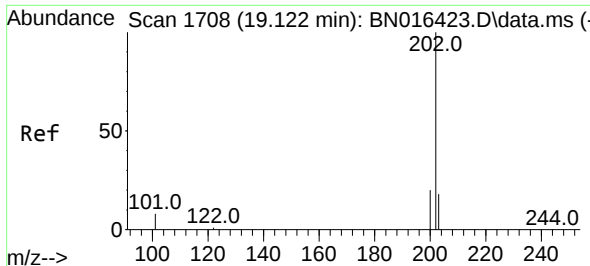
Tgt Ion:	178	Resp:	574330
Ion Ratio	Lower	Upper	
178	100		
176	18.3	13.9	20.9
179	16.6	12.2	18.4



#27
 Fluoranthene-d10
 Concen: 0.318 ng
 RT: 19.088 min Scan# 1701
 Delta R.T. -0.005 min
 Lab File: BN016533.D
 Acq: 27 Sep 2021 05:39

Tgt Ion:	212	Resp:	90549
Ion Ratio	Lower	Upper	
212	100		
106	10.4	9.8	14.6
104	6.4	5.4	8.2

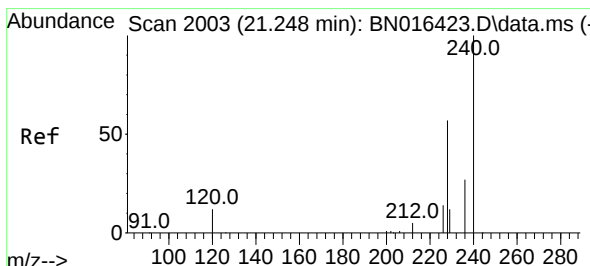
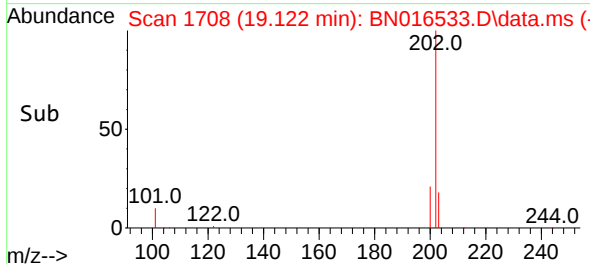
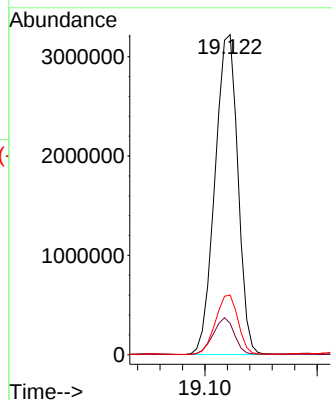
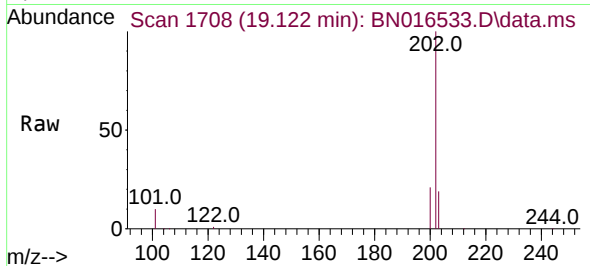




#28
Fluoranthene
Concen: 13.497 ng
RT: 19.122 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

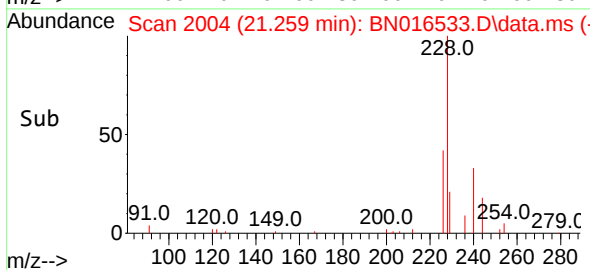
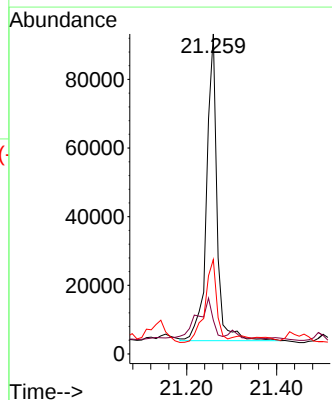
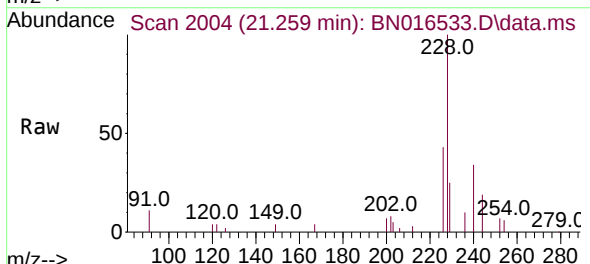
Instrument :
BNA_N
ClientSampleId :
S-825-N-SO-0-0.5-092221

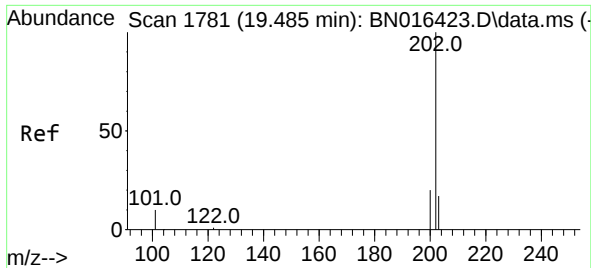
Tgt Ion:202 Resp: 4572421
Ion Ratio Lower Upper
202 100
101 10.8 8.5 12.7
203 18.4 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:240 Resp: 142764
Ion Ratio Lower Upper
240 100
120 10.6 5.3 7.9#
236 29.5 19.8 29.8

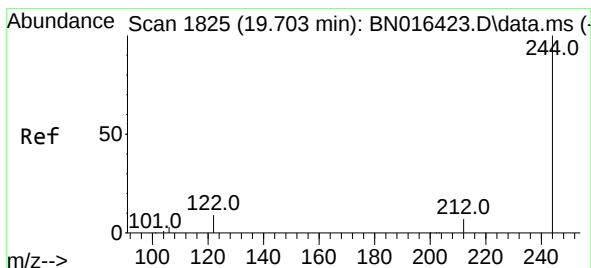
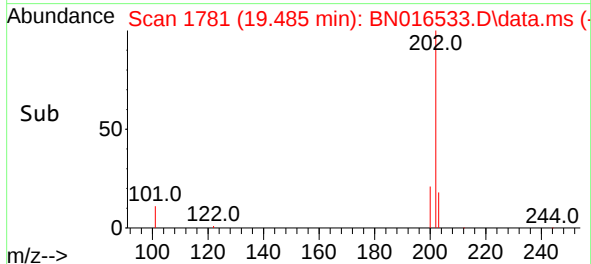
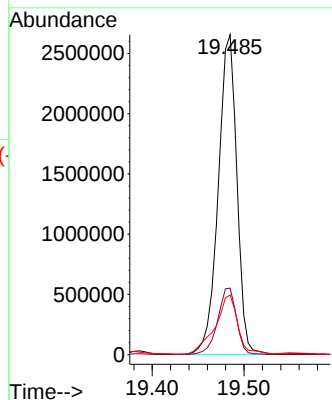
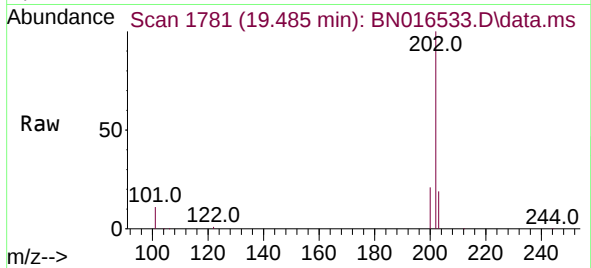




#30
Pyrene
Concen: 8.362 ng
RT: 19.485 min Scan# 1781
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

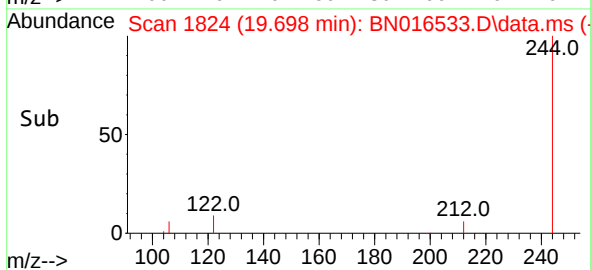
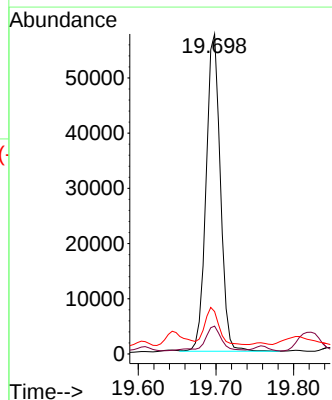
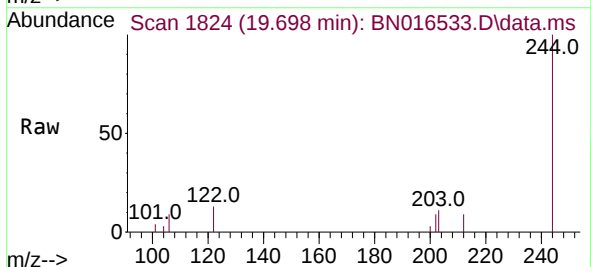
Instrument :
BNA_N
ClientSampleId :
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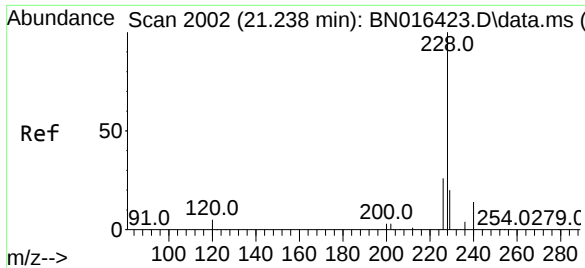
Tgt Ion:202 Resp: 3737947
Ion Ratio Lower Upper
202 100
200 21.0 15.8 23.6
203 22.4 13.9 20.9#



#31
Terphenyl-d14
Concen: 0.221 ng
RT: 19.698 min Scan# 1824
Delta R.T. -0.005 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:244 Resp: 73307
Ion Ratio Lower Upper
244 100
212 8.7 5.5 8.3#
122 13.3 9.0 13.4

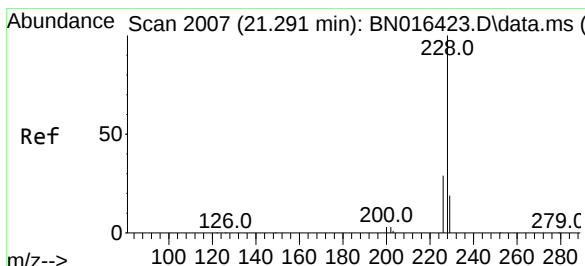
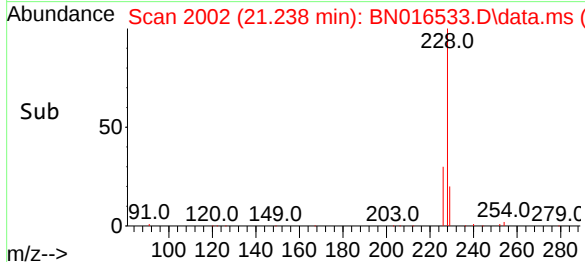
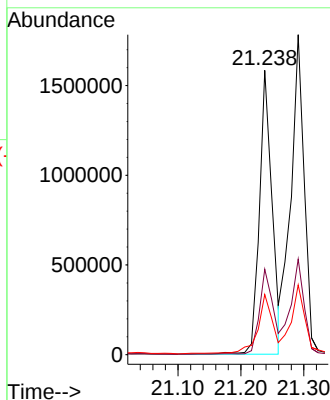
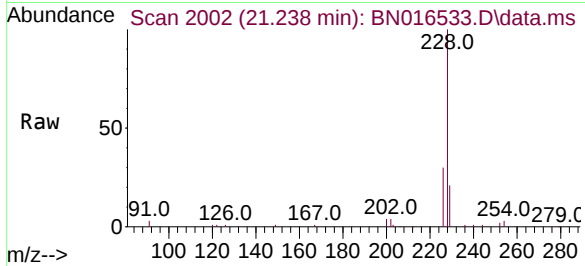




#32
Benzo(a)anthracene
Concen: 5.368 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

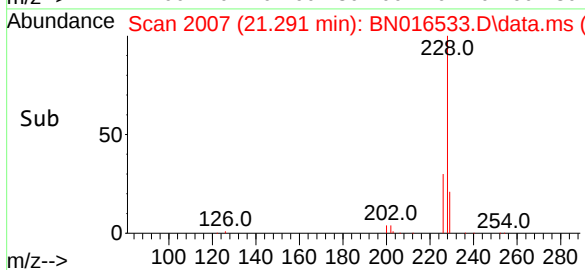
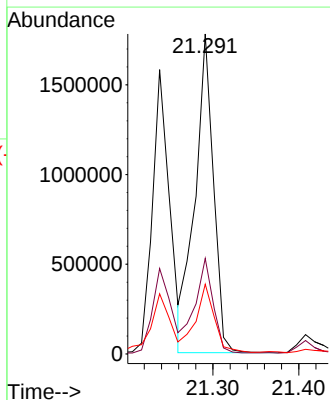
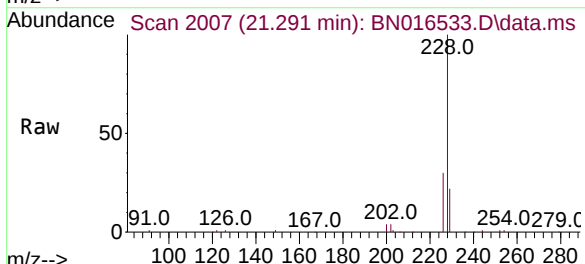
Instrument :
BNA_N
ClientSampleId :
S-825-N-SO-0-0.5-092221

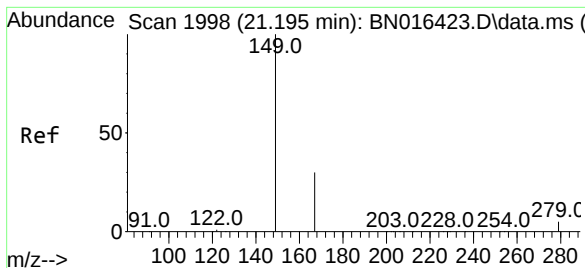
Tgt Ion:228 Resp: 2222410
Ion Ratio Lower Upper
228 100
226 30.1 20.8 31.2
229 21.2 15.8 23.6



#33
Chrysene
Concen: 5.944 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:228 Resp: 2643758
Ion Ratio Lower Upper
228 100
226 29.8 23.0 34.4
229 21.8 15.6 23.4

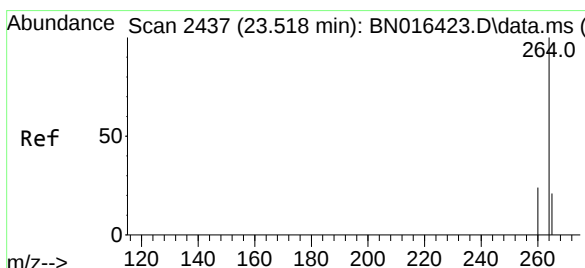
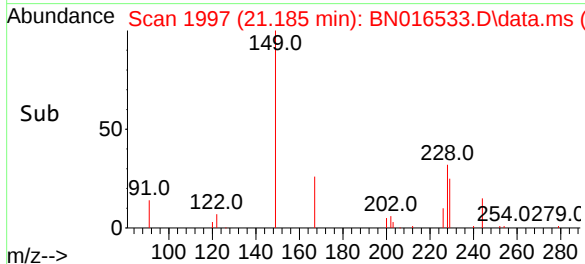
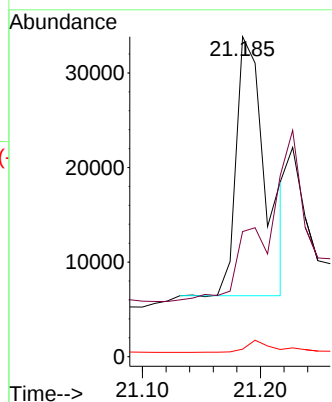
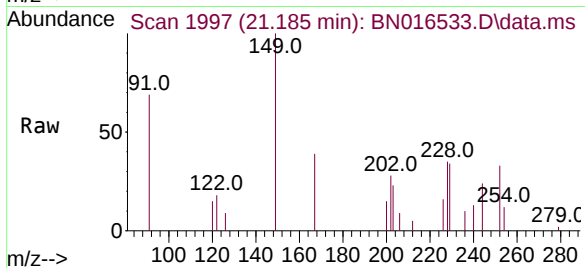




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.423 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.011 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

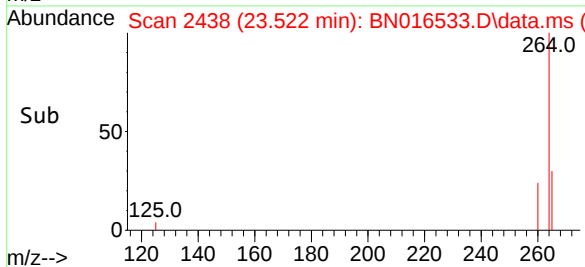
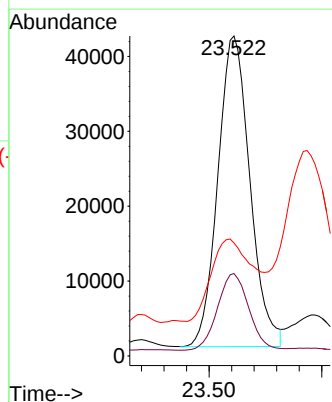
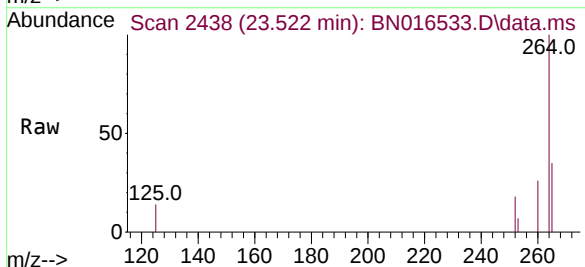
Instrument :
BNA_N
ClientSampleId :
S-825-N-SO-0-0.5-092221

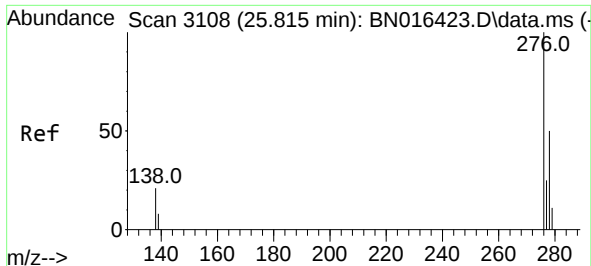
Tgt Ion:149 Resp: 47783
Ion Ratio Lower Upper
149 100
167 0.0 23.4 35.0#
279 5.0 3.9 5.9



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.522 min Scan# 2438
Delta R.T. 0.004 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:264 Resp: 82017
Ion Ratio Lower Upper
264 100
260 25.7 18.9 28.3
265 35.3 23.7 35.5

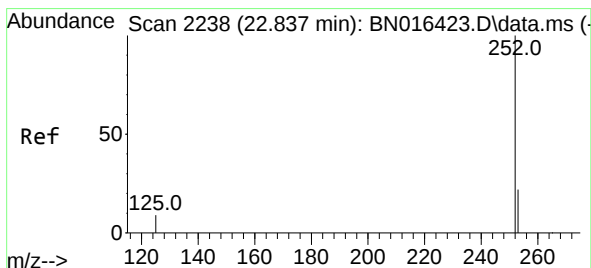
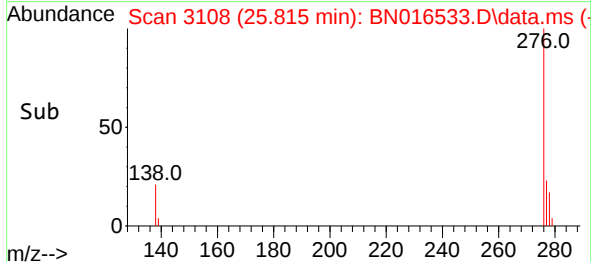
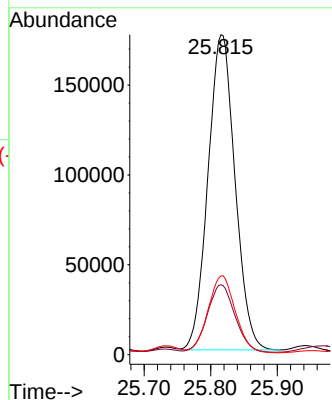
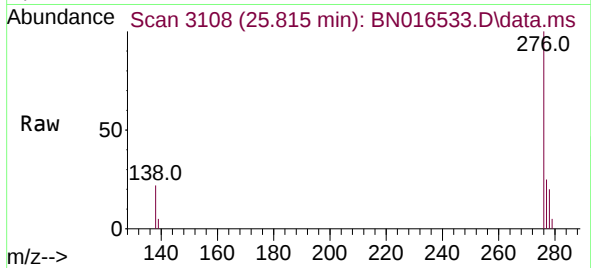




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.864 ng
RT: 25.815 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

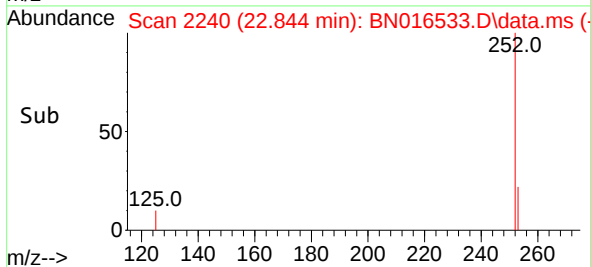
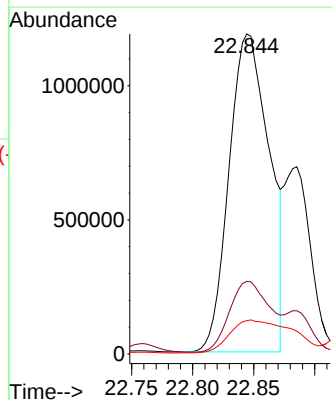
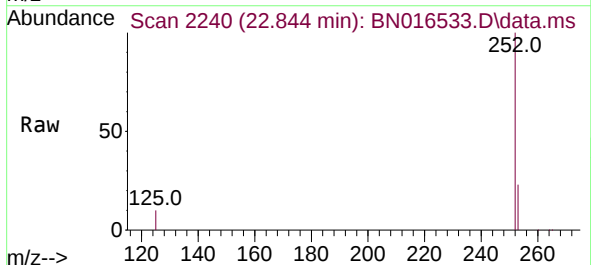
Instrument :
BNA_N
ClientSampleId :
S-825-N-SO-0-0.5-092221

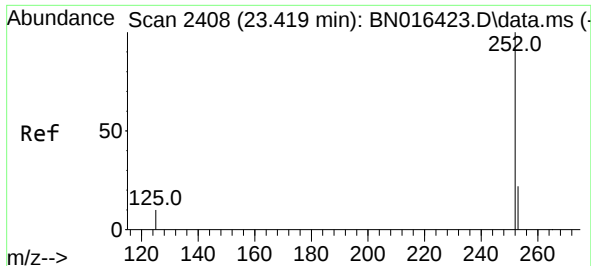
Tgt Ion:276 Resp: 495390
Ion Ratio Lower Upper
276 100
138 22.0 19.3 28.9
277 24.7 20.2 30.2



#37
Benzo(b)fluoranthene
Concen: 9.929 ng
RT: 22.844 min Scan# 2240
Delta R.T. 0.007 min
Lab File: BN016533.D
Acq: 27 Sep 2021 05:39

Tgt Ion:252 Resp: 2720811
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 10.4 8.4 12.6





#39

Benzo(a)pyrene

Concen: 5.048 ng

RT: 23.423 min Scan# 2409

Delta R.T. 0.004 min

Lab File: BN016533.D

Acq: 27 Sep 2021 05:39

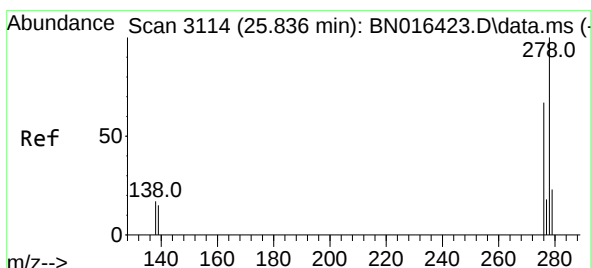
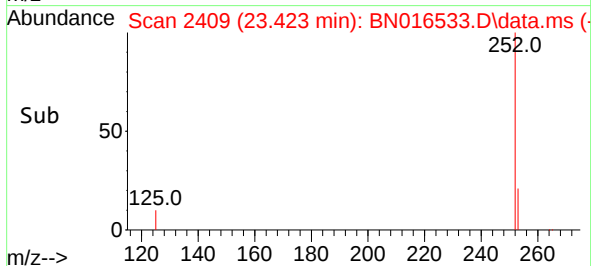
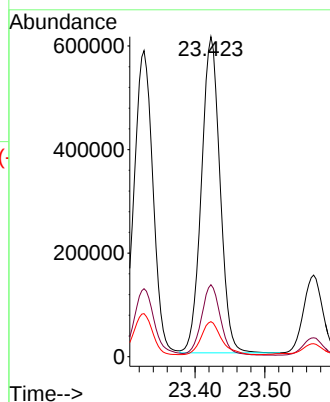
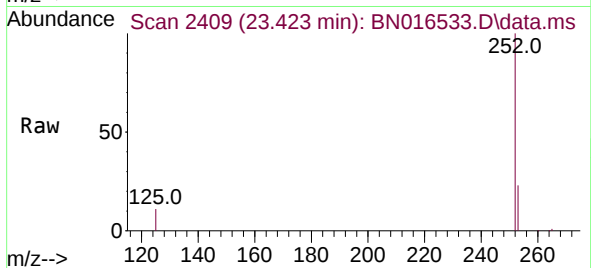
Tgt Ion:252 Resp: 1127891

Ion Ratio Lower Upper

252 100

253 22.5 18.7 28.1

125 11.0 9.9 14.9



#40

Dibenzo(a,h)anthracene

Concen: 0.599 ng

RT: 25.829 min Scan# 3112

Delta R.T. -0.007 min

Lab File: BN016533.D

Acq: 27 Sep 2021 05:39

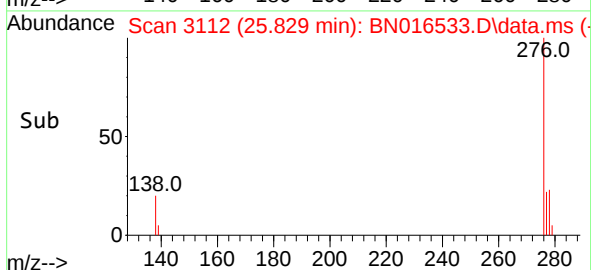
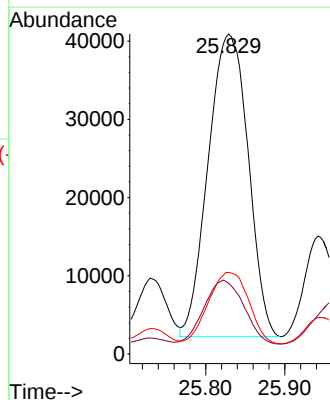
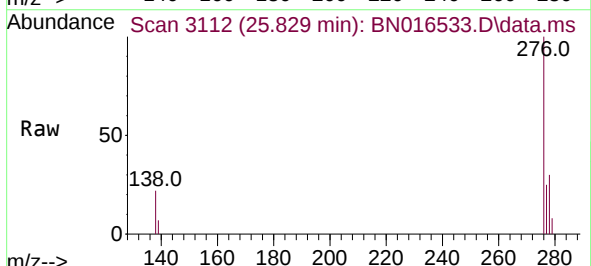
Tgt Ion:278 Resp: 135690

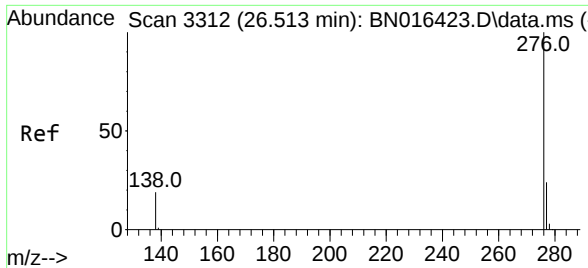
Ion Ratio Lower Upper

278 100

139 22.1 14.2 21.2#

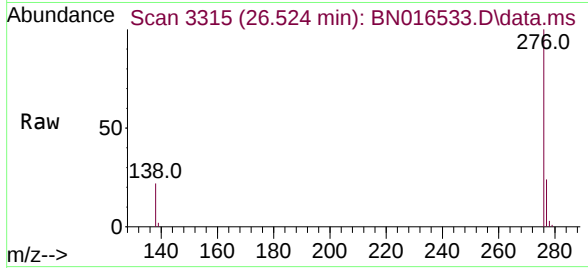
279 25.4 21.3 31.9





#41
 Benzo(g,h,i)perylene
 Concen: 1.575 ng
 RT: 26.524 min Scan# 3315
 Delta R.T. 0.010 min
 Lab File: BN016533.D
 Acq: 27 Sep 2021 05:39

Instrument :
 BNA_N
 ClientSampleId :
 S-825-N-SO-0-0.5-092221



Tgt Ion:	276	Resp:	366062
Ion Ratio	Lower	Upper	
276	100		
277	24.1	20.5	30.7
138	21.7	18.2	27.4

