

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017956.D
 Acq On : 13 Dec 2021 02:18
 Operator : CG/JU
 Sample : M4988-11
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE122D1-20211207

Quant Time: Dec 13 04:32:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 00:01:30 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

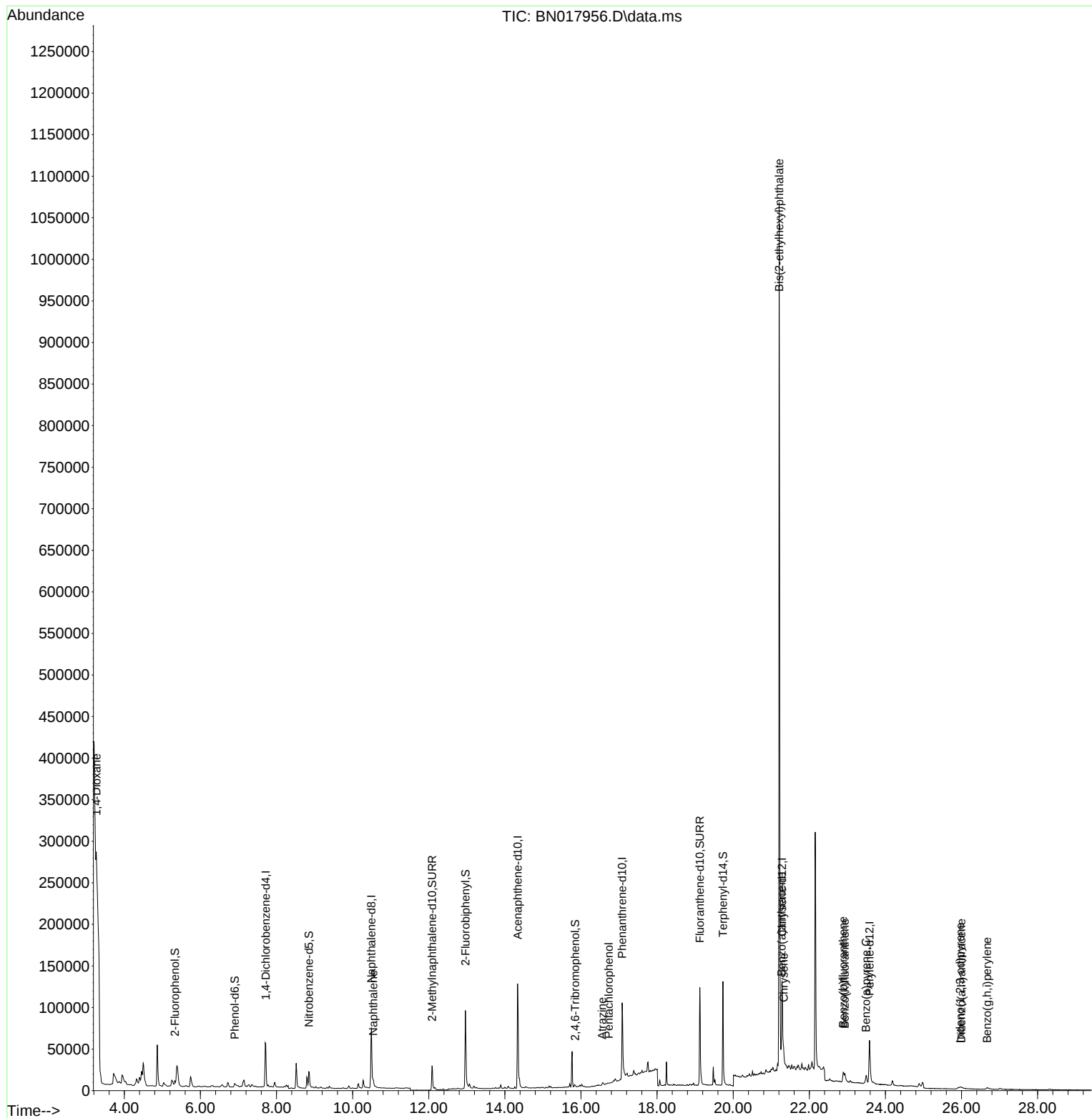
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	31397	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	124589	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	85029	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	164080	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	119918	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	90733	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.327	112	7526	0.116	ng	0.00
5) Phenol-d6	6.903	99	4161	0.065	ng	0.00
8) Nitrobenzene-d5	8.846	82	21822	0.268	ng	-0.01
11) 2-Methylnaphthalene-d10	12.085	152	53326	0.243	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	2466	0.386	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	96743	0.323	ng	0.00
27) Fluoranthene-d10	19.124	212	164064	0.308	ng	0.00
31) Terphenyl-d14	19.730	244	154069	0.521	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.270	88	52820	5.544	ng	93
9) Naphthalene	10.545	128	8652	0.028	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.464	198	11	Below Cal	#	29
23) Atrazine	16.557	200	206	0.094	ng	# 1
24) Pentachlorophenol	16.727	266	6	0.083	ng	# 60
32) Benzo(a)anthracene	21.272	228	17888	0.096	ng	# 90
33) Chrysene	21.325	228	23257	0.059	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.208	149	986197	7.660	ng	98
36) Indeno(1,2,3-cd)pyrene	25.961	276	6077	0.121	ng	# 81
37) Benzo(b)fluoranthene	22.891	252	15419	0.051	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	13004	0.045	ng	# 7
39) Benzo(a)pyrene	23.486	252	14729	0.055	ng	# 1
40) Dibenzo(a,h)anthracene	25.992	278	3773	0.130	ng	# 1
41) Benzo(g,h,i)perylene	26.673	276	7139	0.050	ng	# 68

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

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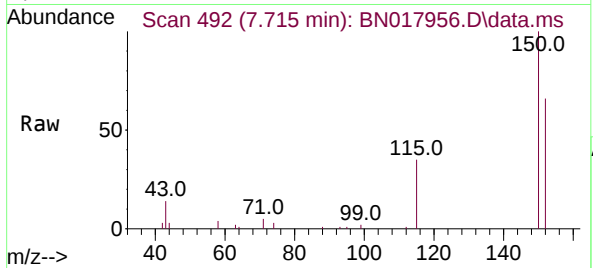
Quant Time: Dec 13 04:32:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 00:01:30 2021
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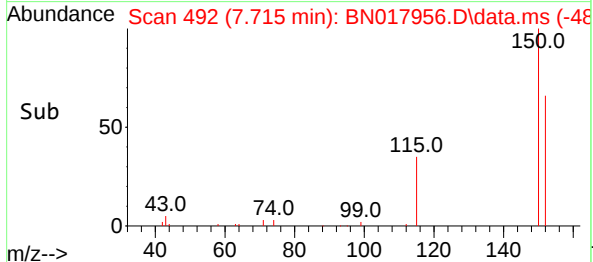
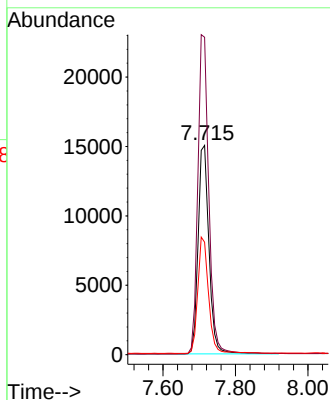


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.715 min Scan# 492
 Delta R.T. -0.000 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

Instrument :
 BNA_N
 ClientSampleId :
 RE122D1-20211207

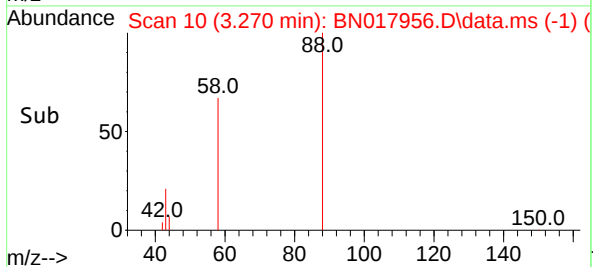
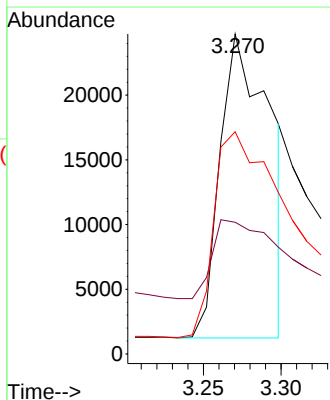
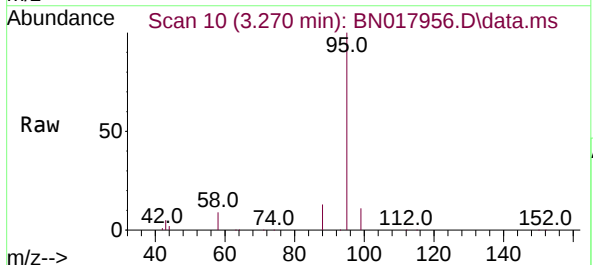


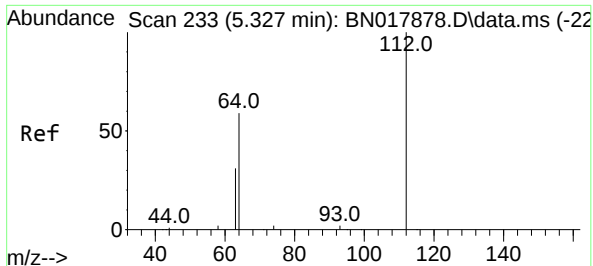
Tgt Ion:152 Resp: 31397
 Ion Ratio Lower Upper
 152 100
 150 151.7 121.9 182.9
 115 53.7 44.1 66.1



#2
 1,4-Dioxane
 Concen: 5.544 ng
 RT: 3.270 min Scan# 10
 Delta R.T. 0.000 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

Tgt Ion: 88 Resp: 52820
 Ion Ratio Lower Upper
 88 100
 43 29.3 28.0 42.0
 58 76.1 65.4 98.0

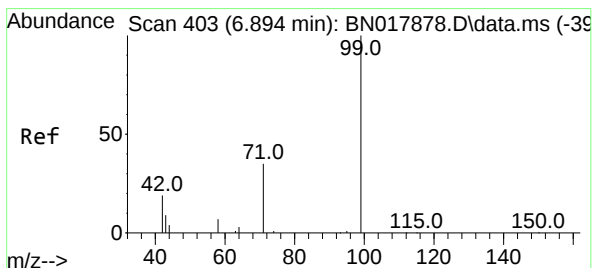
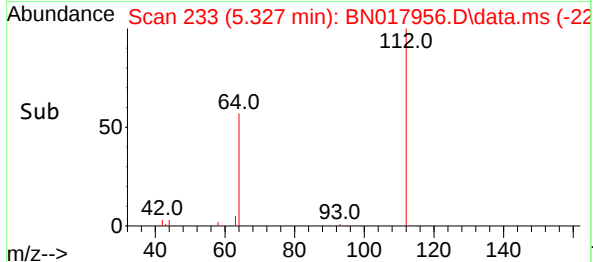
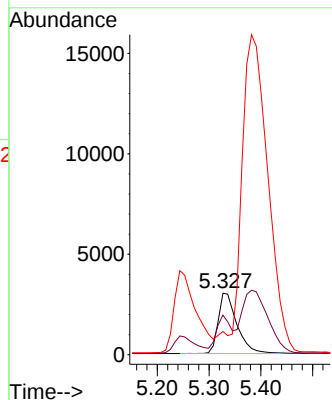
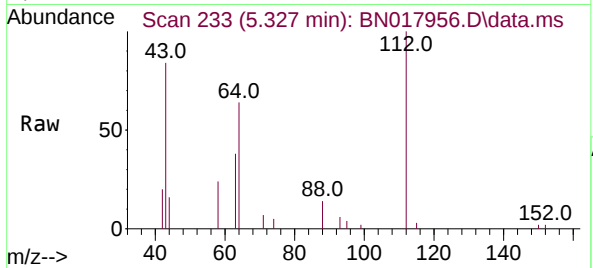




#4
2-Fluorophenol
Concen: 0.116 ng
RT: 5.327 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

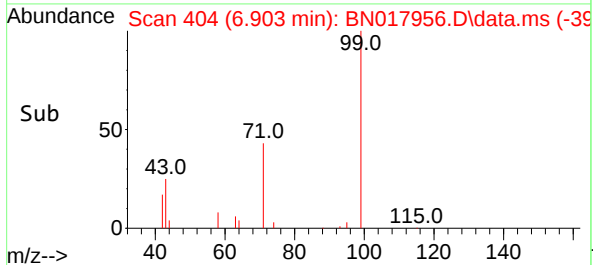
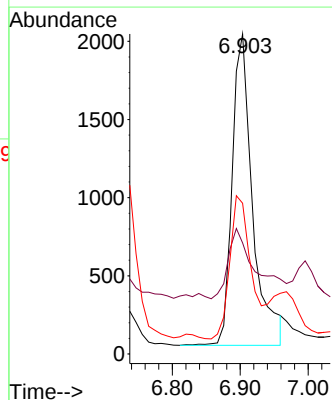
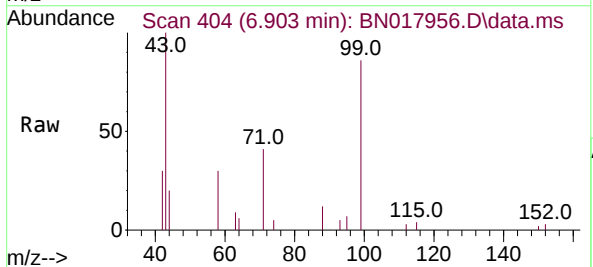
Instrument :
BNA_N
ClientSampleId :
RE122D1-20211207

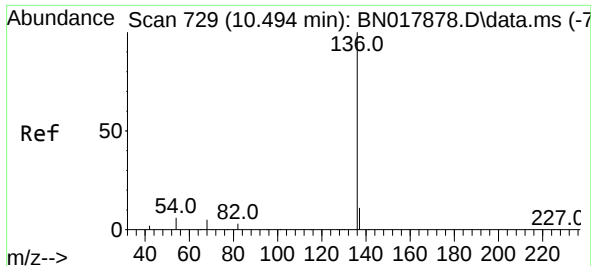
Tgt Ion:112 Resp: 7526
Ion Ratio Lower Upper
112 100
64 39.0 49.0 73.4#
63 0.0 26.2 39.2#



#5
Phenol-d6
Concen: 0.065 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion: 99 Resp: 4161
Ion Ratio Lower Upper
99 100
42 29.8 17.0 25.4#
71 46.8 28.0 42.0#

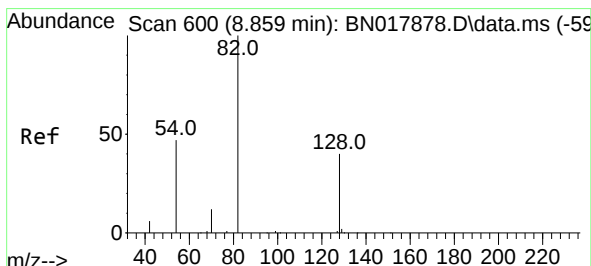
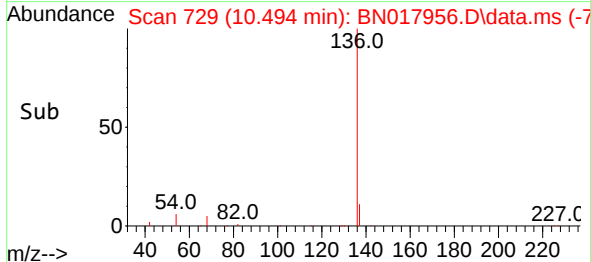
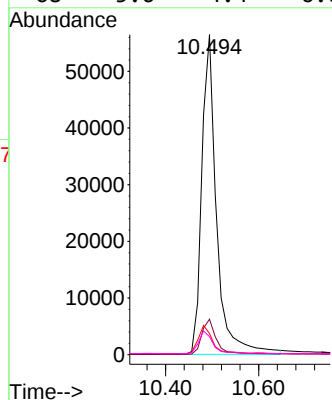
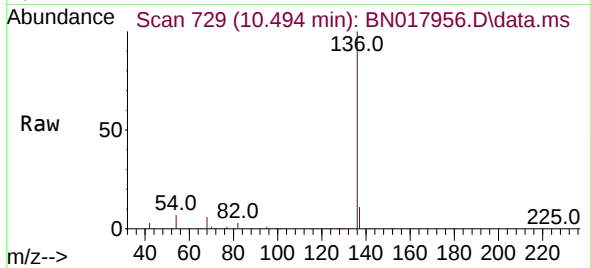




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

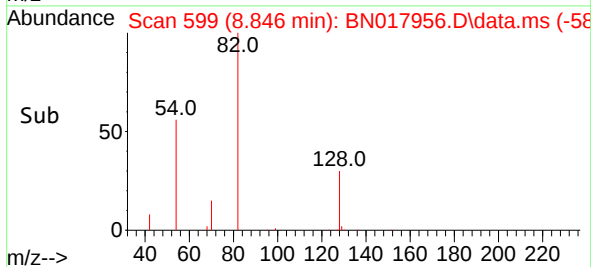
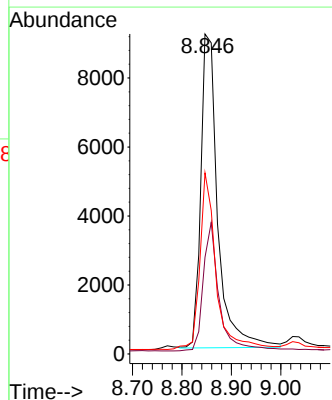
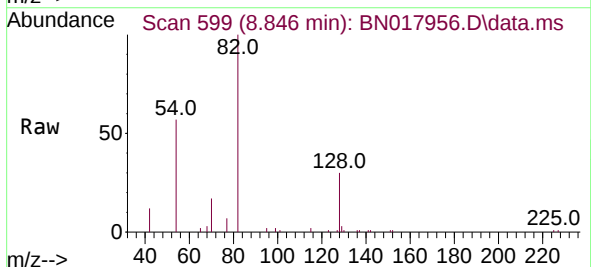
Instrument :
BNA_N
ClientSampleId :
RE122D1-20211207

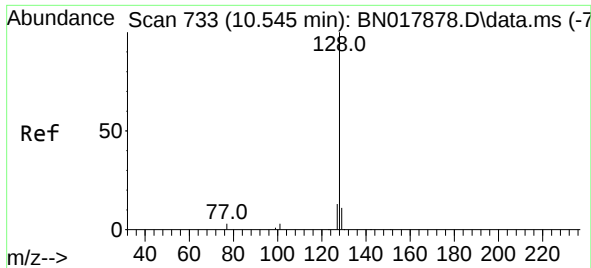
Tgt Ion:	136	Resp:	124589
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	6.6	5.1	7.7
68	5.6	4.4	6.6



#8
Nitrobenzene-d5
Concen: 0.268 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion:	82	Resp:	21822
Ion Ratio	Lower	Upper	
82	100		
128	30.2	32.2	48.4#
54	56.6	37.6	56.4#

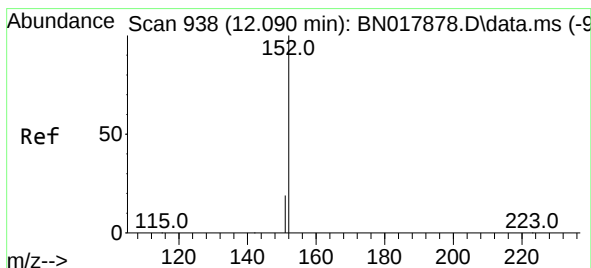
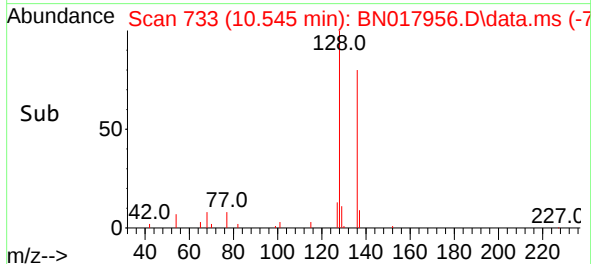
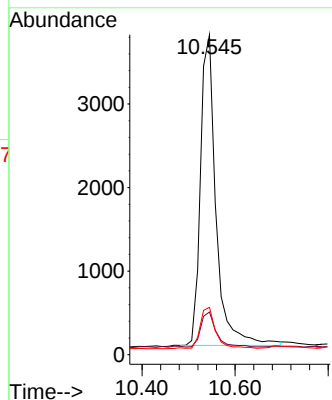
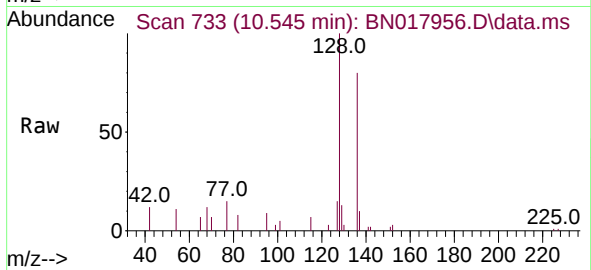




#9
Naphthalene
Concen: 0.028 ng
RT: 10.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

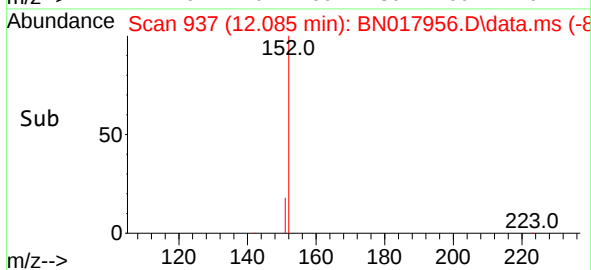
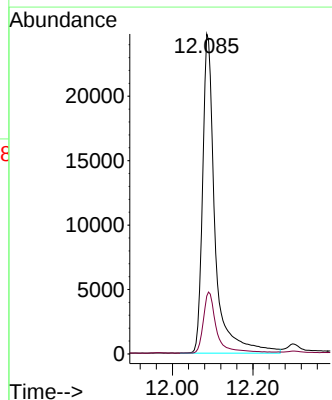
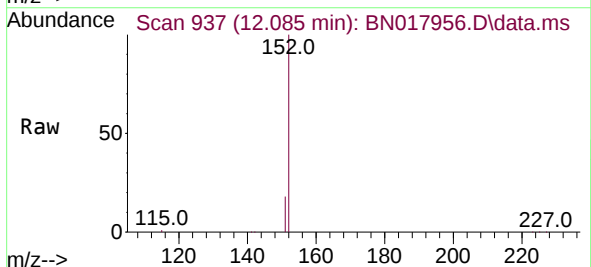
Instrument :
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ClientSampleId :
RE122D1-20211207

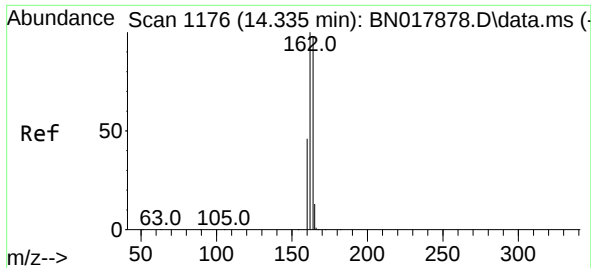
Tgt Ion:128 Resp: 8652
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2#
127 14.8 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.243 ng
RT: 12.085 min Scan# 937
Delta R.T. -0.004 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion:152 Resp: 53326
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6

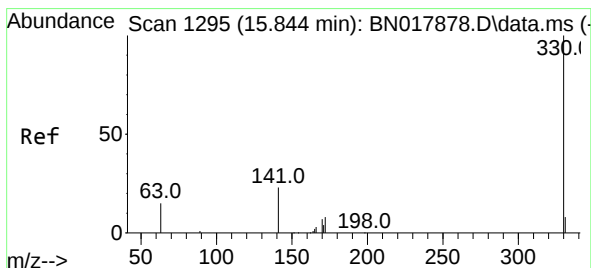
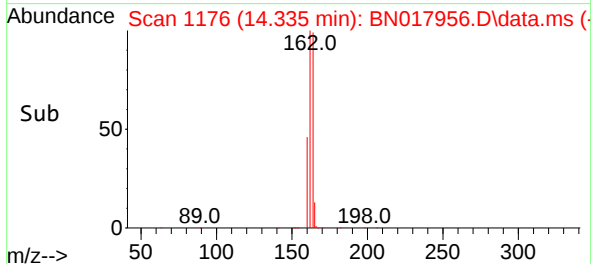
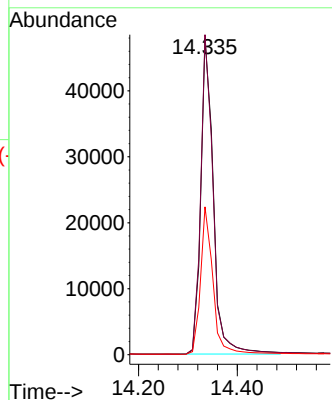
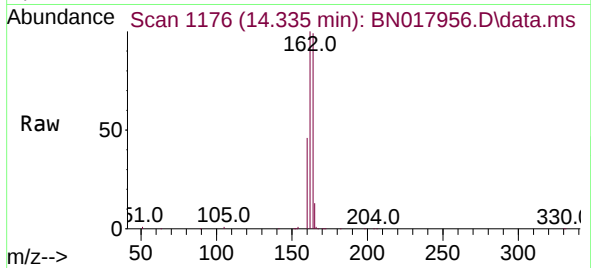




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

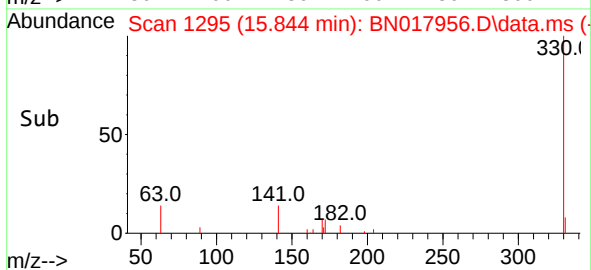
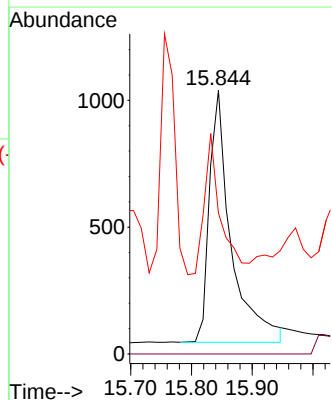
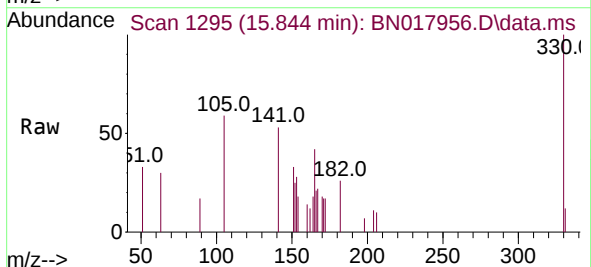
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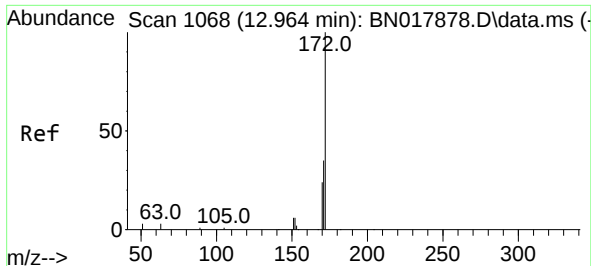
Tgt Ion:164 Resp: 85029
Ion Ratio Lower Upper
164 100
162 101.2 82.1 123.1
160 46.7 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion:330 Resp: 2466
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 42.5 19.7 29.5#

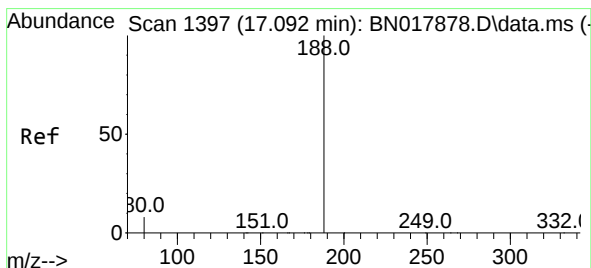
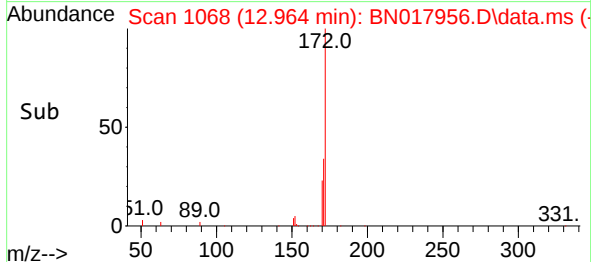
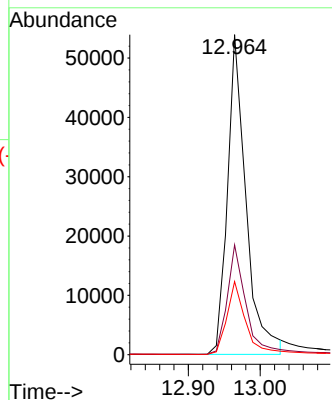
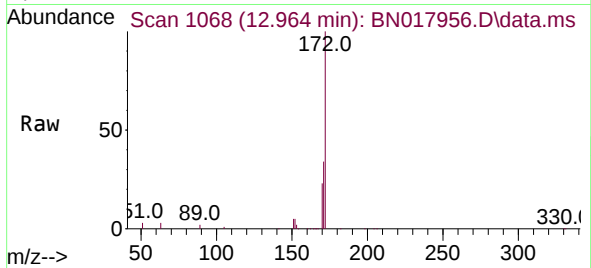




#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

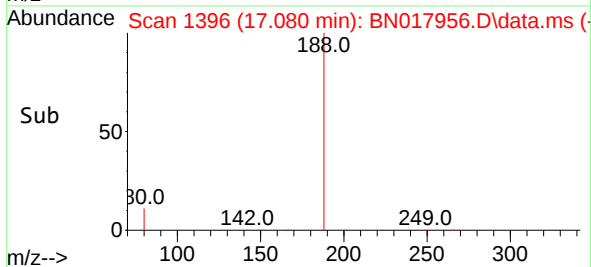
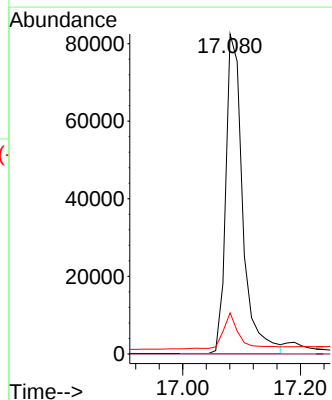
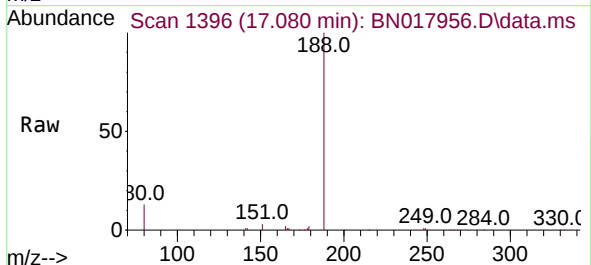
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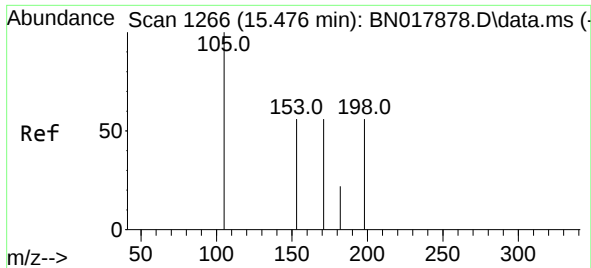
Tgt Ion:172 Resp: 96743
Ion Ratio Lower Upper
172 100
171 34.3 28.3 42.5
170 22.8 19.1 28.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion:188 Resp: 164080
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.9 6.2 9.2#

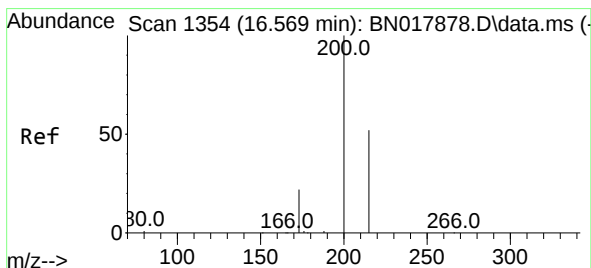
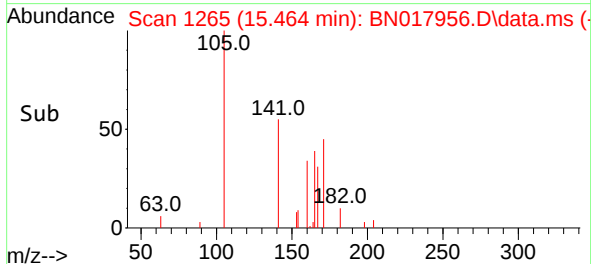
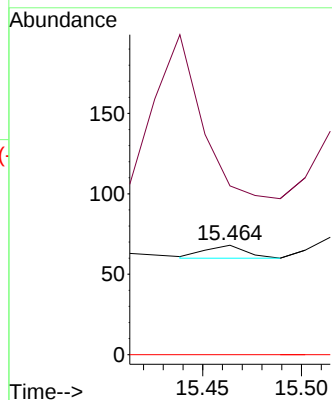
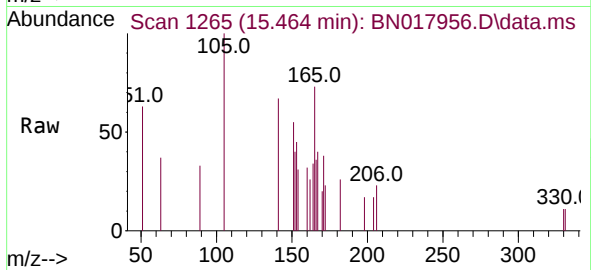




#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.464 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

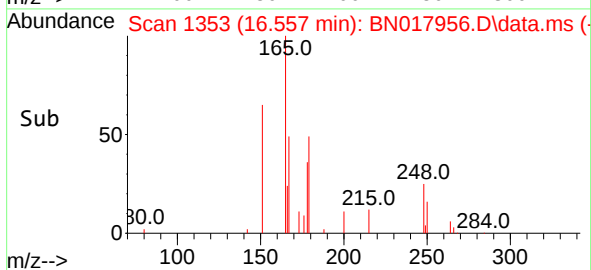
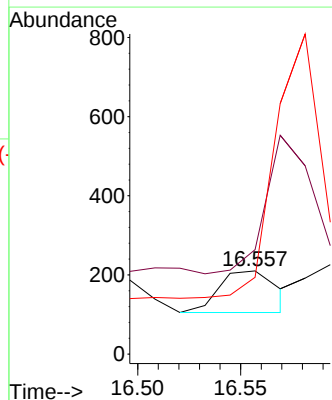
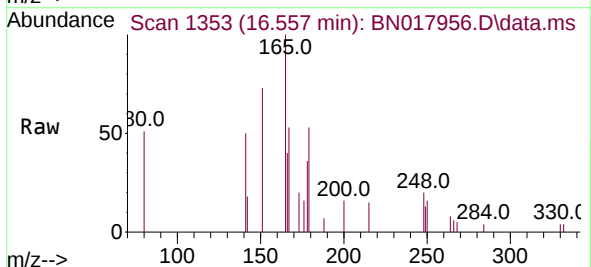
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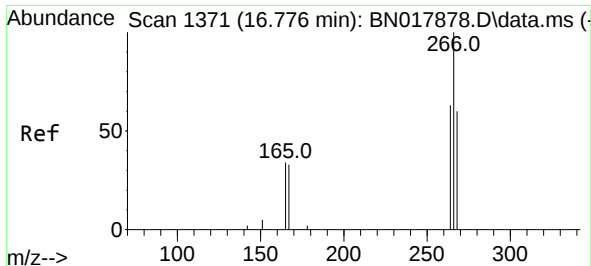
Tgt Ion:198 Resp: 11
Ion Ratio Lower Upper
198 100
182 154.4 70.8 106.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.094 ng
RT: 16.557 min Scan# 1353
Delta R.T. -0.012 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

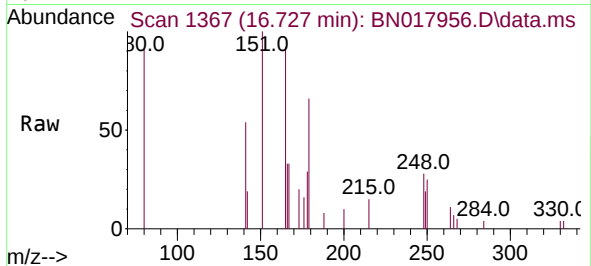
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Ion Ratio Lower Upper
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173 125.7 18.2 27.2#
215 92.4 41.8 62.8#



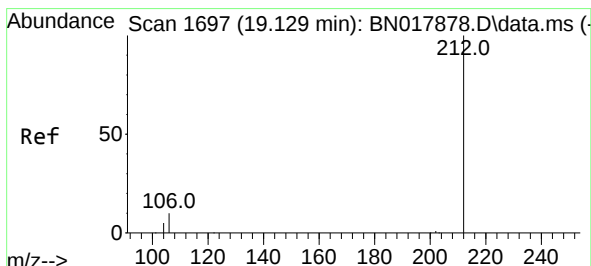
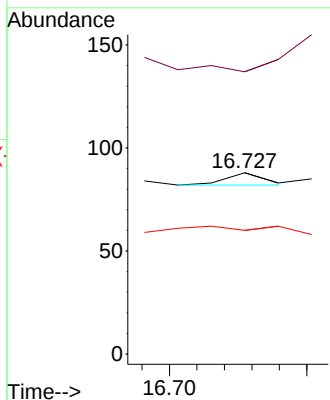
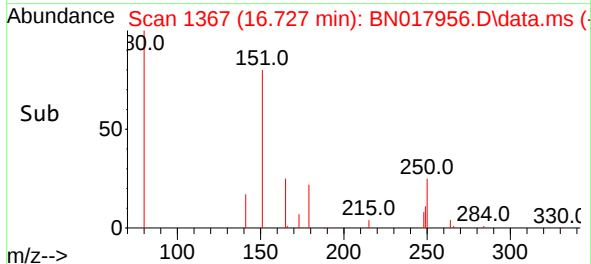


#24
 Pentachlorophenol
 Concen: 0.083 ng
 RT: 16.727 min Scan# 1367
 Delta R.T. -0.049 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

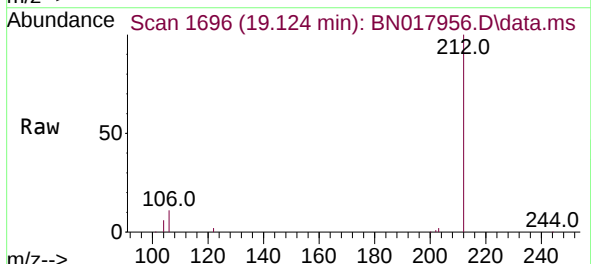
Instrument :
 BNA_N
 ClientSampleId :
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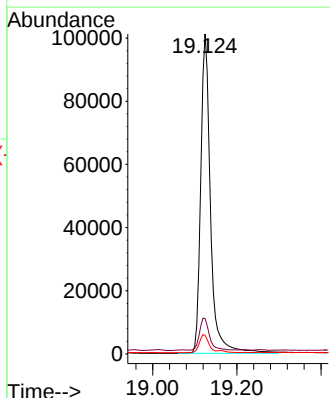
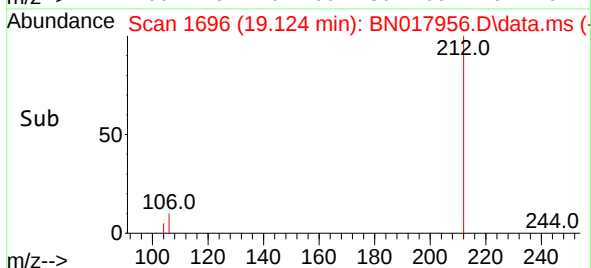
Tgt Ion:266 Resp: 6
 Ion Ratio Lower Upper
 266 100
 264 0.0 50.6 76.0#
 268 66.7 53.7 80.5

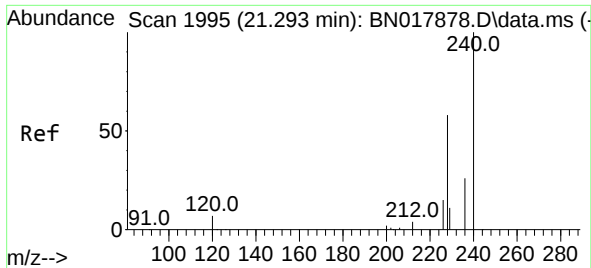


#27
 Fluoranthene-d10
 Concen: 0.308 ng
 RT: 19.124 min Scan# 1696
 Delta R.T. -0.005 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18



Tgt Ion:212 Resp: 164064
 Ion Ratio Lower Upper
 212 100
 106 10.1 8.3 12.5
 104 5.5 4.6 6.8

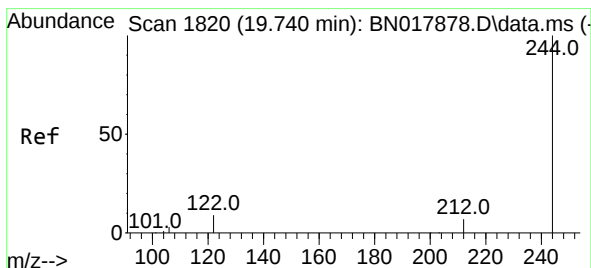
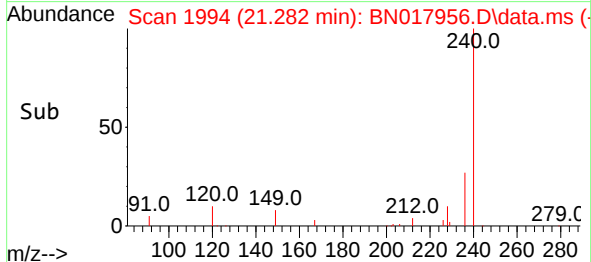
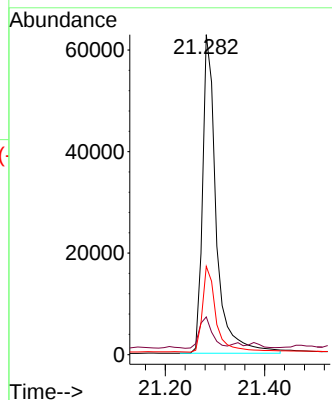
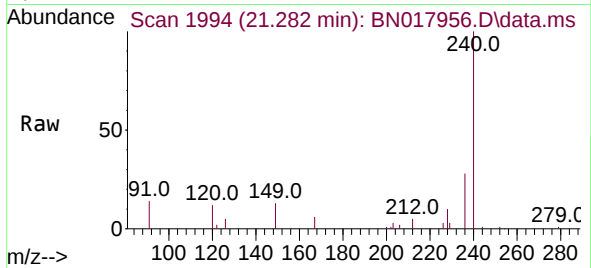




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

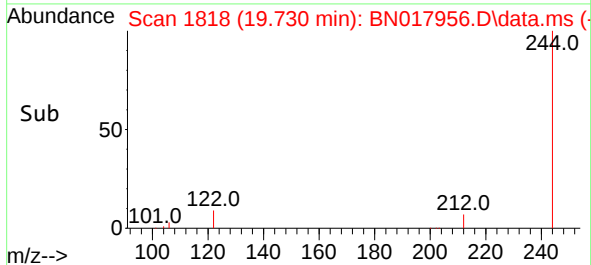
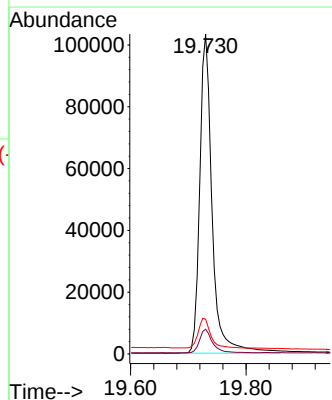
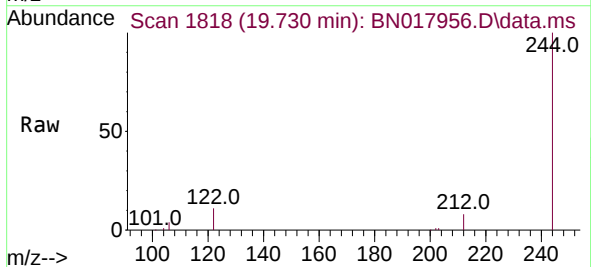
Instrument :
BNA_N
ClientSampleId :
RE122D1-20211207

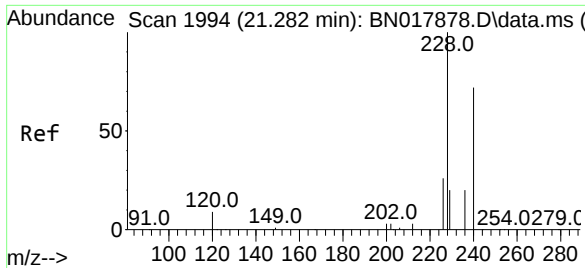
Tgt Ion:240 Resp: 119918
Ion Ratio Lower Upper
240 100
120 11.8 5.8 8.8#
236 27.6 21.0 31.6



#31
Terphenyl-d14
Concen: 0.521 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion:244 Resp: 154069
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 10.9 7.5 11.3

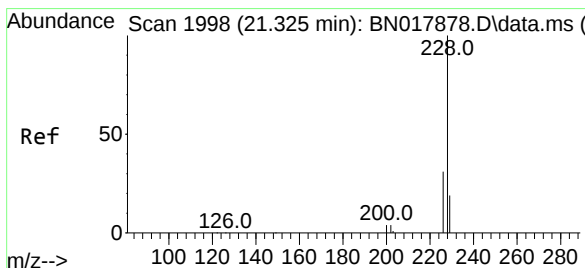
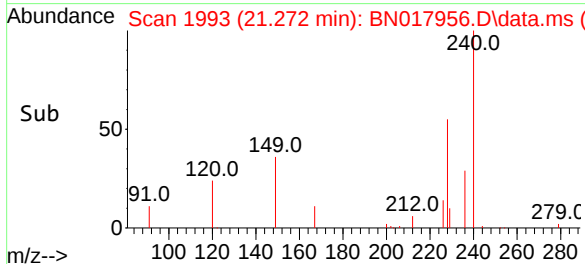
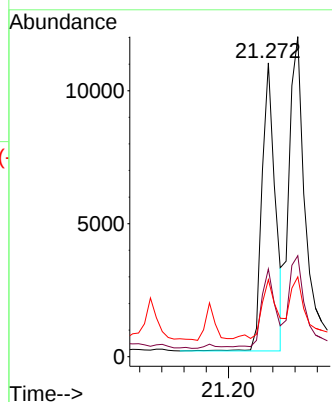
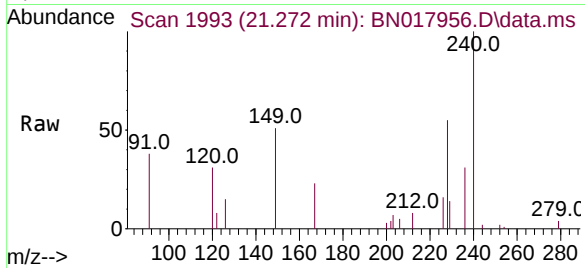




#32
Benzo(a)anthracene
Concen: 0.096 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

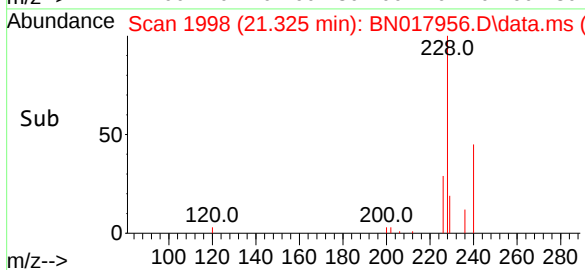
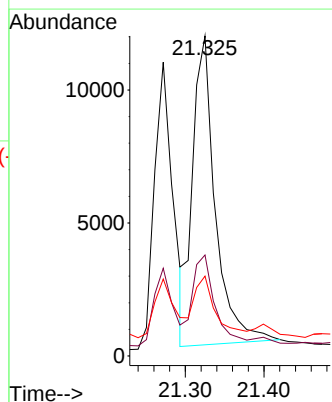
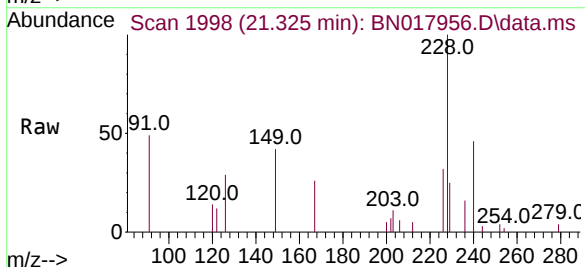
Instrument :
BNA_N
ClientSampleId :
RE122D1-20211207

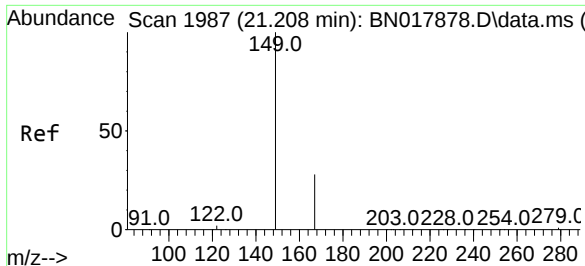
Tgt Ion:228 Resp: 17888
Ion Ratio Lower Upper
228 100
226 29.8 21.0 31.4
229 26.2 15.8 23.8#



#33
Chrysene
Concen: 0.059 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion:228 Resp: 23257
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.8
229 25.0 15.6 23.4#

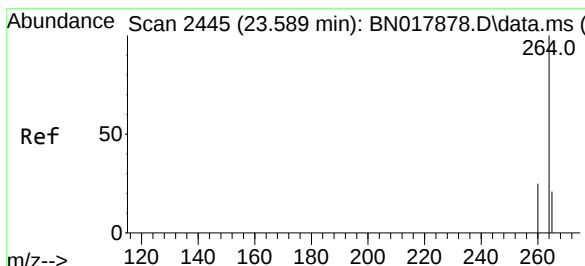
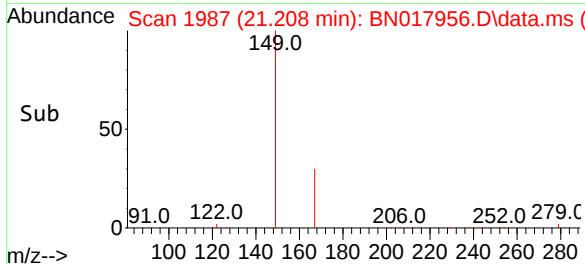
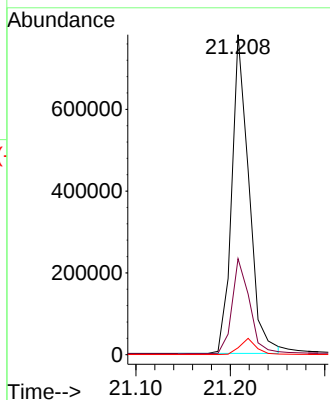
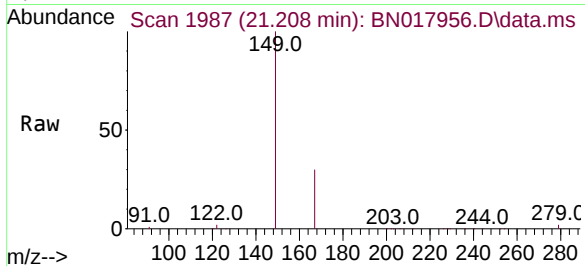




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 7.660 ng
 RT: 21.208 min Scan# 1987
 Delta R.T. 0.000 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

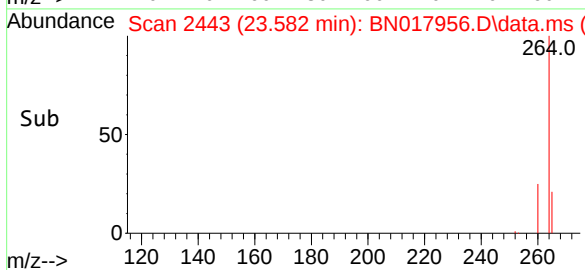
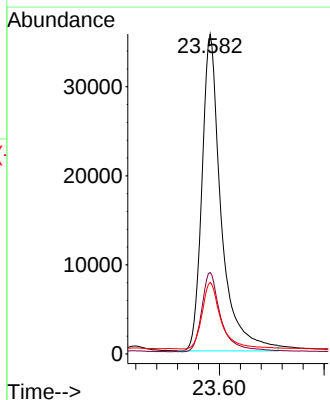
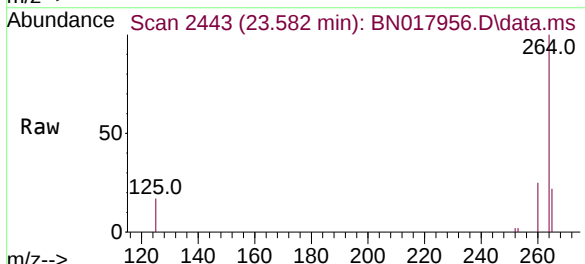
Instrument :
 BNA_N
 ClientSampleId :
 RE122D1-20211207

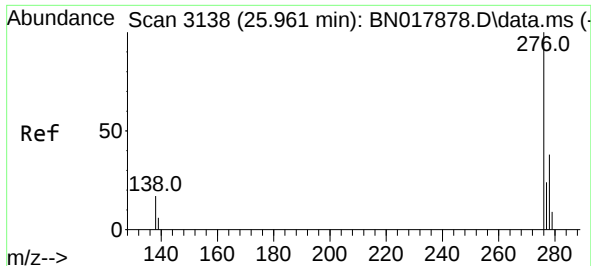
Tgt Ion:149 Resp: 986197
 Ion Ratio Lower Upper
 149 100
 167 30.4 23.4 35.0
 279 4.9 3.6 5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.582 min Scan# 2443
 Delta R.T. -0.007 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

Tgt Ion:264 Resp: 90733
 Ion Ratio Lower Upper
 264 100
 260 25.4 20.2 30.4
 265 22.4 18.2 27.4

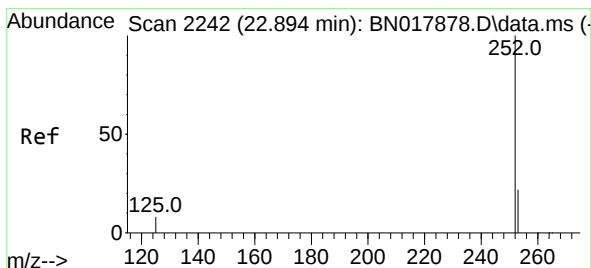
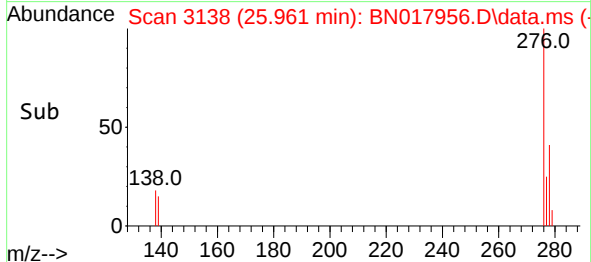
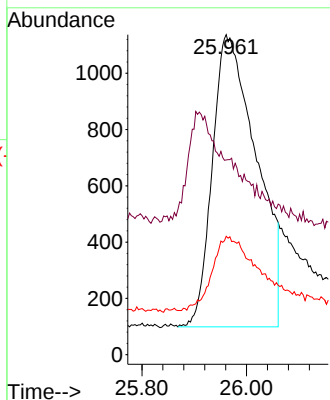
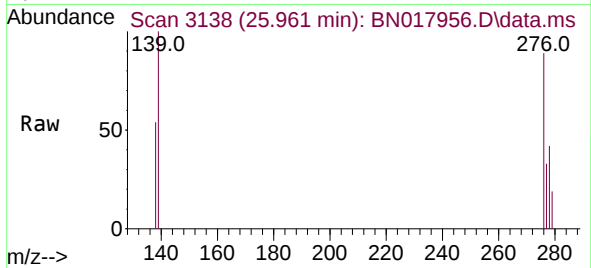




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.121 ng
 RT: 25.961 min Scan# 3138
 Delta R.T. 0.000 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

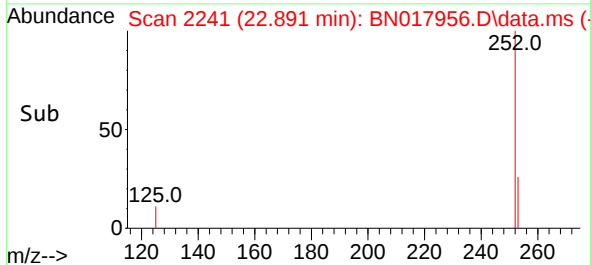
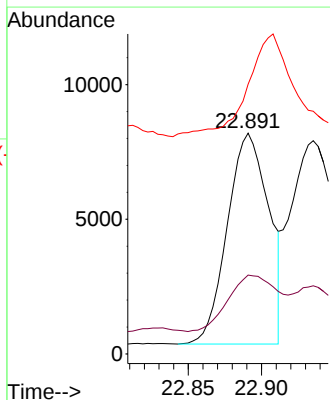
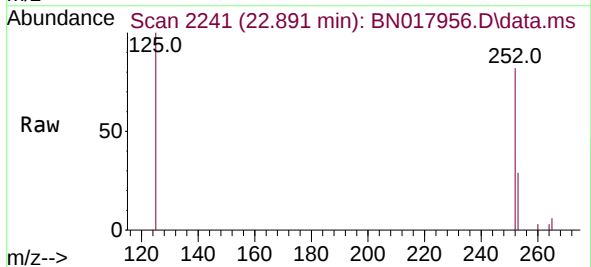
Instrument :
 BNA_N
 ClientSampleId :
 RE122D1-20211207

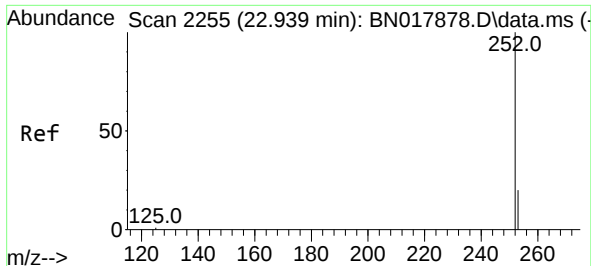
Tgt Ion:276 Resp: 6077
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 25.3 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 0.051 ng
 RT: 22.891 min Scan# 2241
 Delta R.T. -0.003 min
 Lab File: BN017956.D
 Acq: 13 Dec 2021 02:18

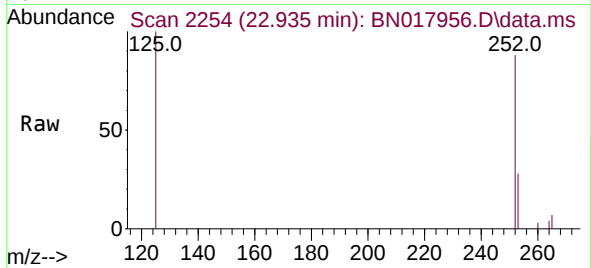
Tgt Ion:252 Resp: 15419
 Ion Ratio Lower Upper
 252 100
 253 35.7 17.9 26.9#
 125 122.2 6.8 10.2#



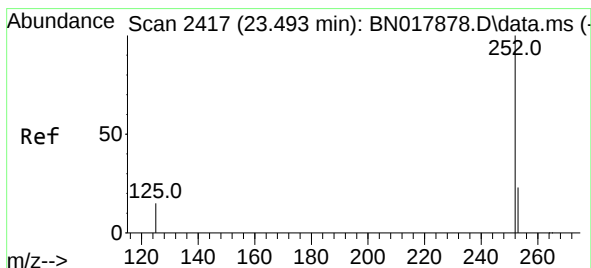
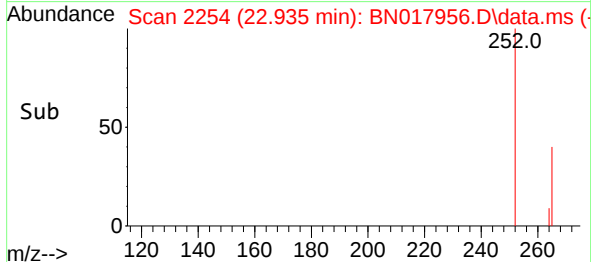
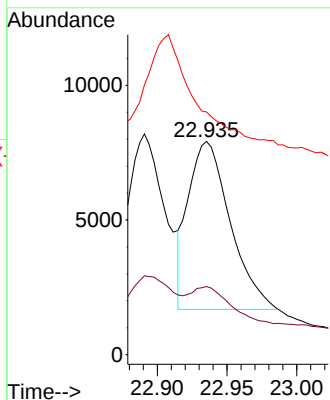


#38
Benzo(k)fluoranthene
Concen: 0.045 ng
RT: 22.935 min Scan# 211
Delta R.T. -0.003 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Instrument :
BNA_N
ClientSampleId :
RE122D1-20211207

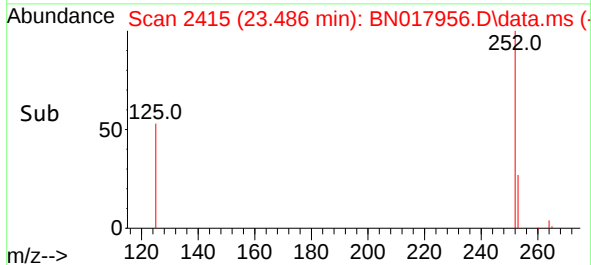
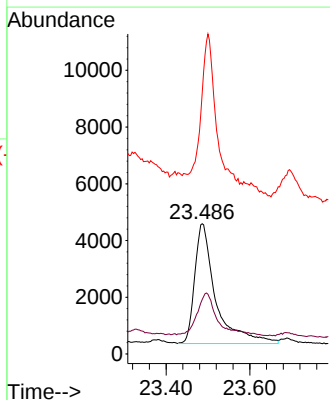
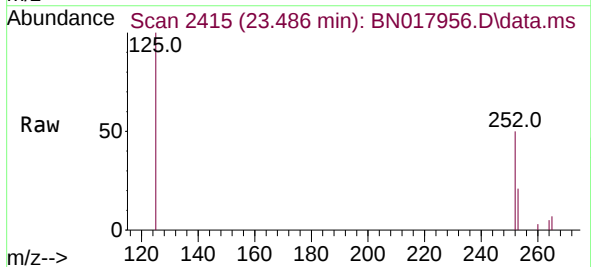


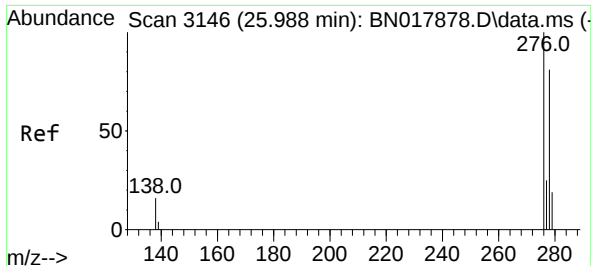
Tgt Ion:252 Resp: 13004
Ion Ratio Lower Upper
252 100
253 32.0 17.8 26.6#
125 113.9 6.1 9.1#



#39
Benzo(a)pyrene
Concen: 0.055 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion:252 Resp: 14729
Ion Ratio Lower Upper
252 100
253 41.8 18.8 28.2#
125 200.4 12.2 18.2#

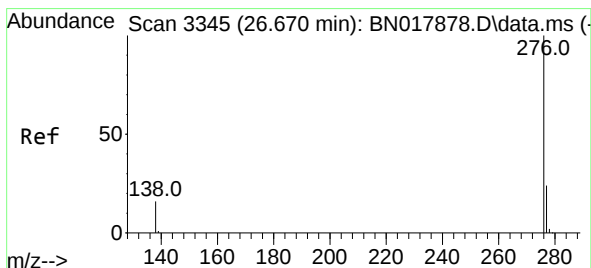
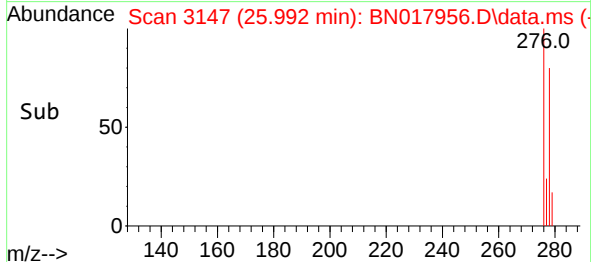
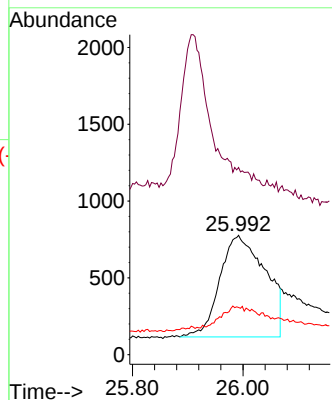
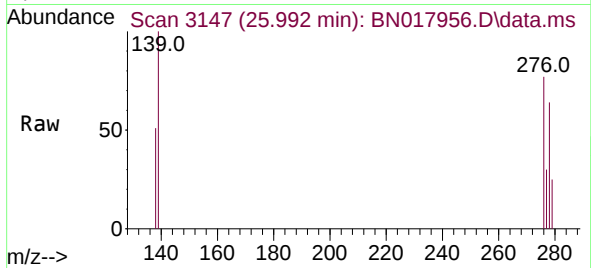




#40
Dibenzo(a,h)anthracene
Concen: 0.130 ng
RT: 25.992 min Scan# 3146
Delta R.T. 0.004 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Instrument :
BNA_N
ClientSampleId :
RE122D1-20211207

Tgt Ion:278 Resp: 3773
Ion Ratio Lower Upper
278 100
139 156.9 12.0 18.0#
279 39.6 20.8 31.2#



#41
Benzo(g,h,i)perylene
Concen: 0.050 ng
RT: 26.673 min Scan# 3346
Delta R.T. 0.003 min
Lab File: BN017956.D
Acq: 13 Dec 2021 02:18

Tgt Ion:276 Resp: 7139
Ion Ratio Lower Upper
276 100
277 32.6 19.6 29.4#
138 40.9 13.8 20.8#

