

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017941.D
 Acq On : 12 Dec 2021 15:29
 Operator : CG/JU
 Sample : M4988-02
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE109D1-20211206

Quant Time: Dec 13 00:40:25 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)

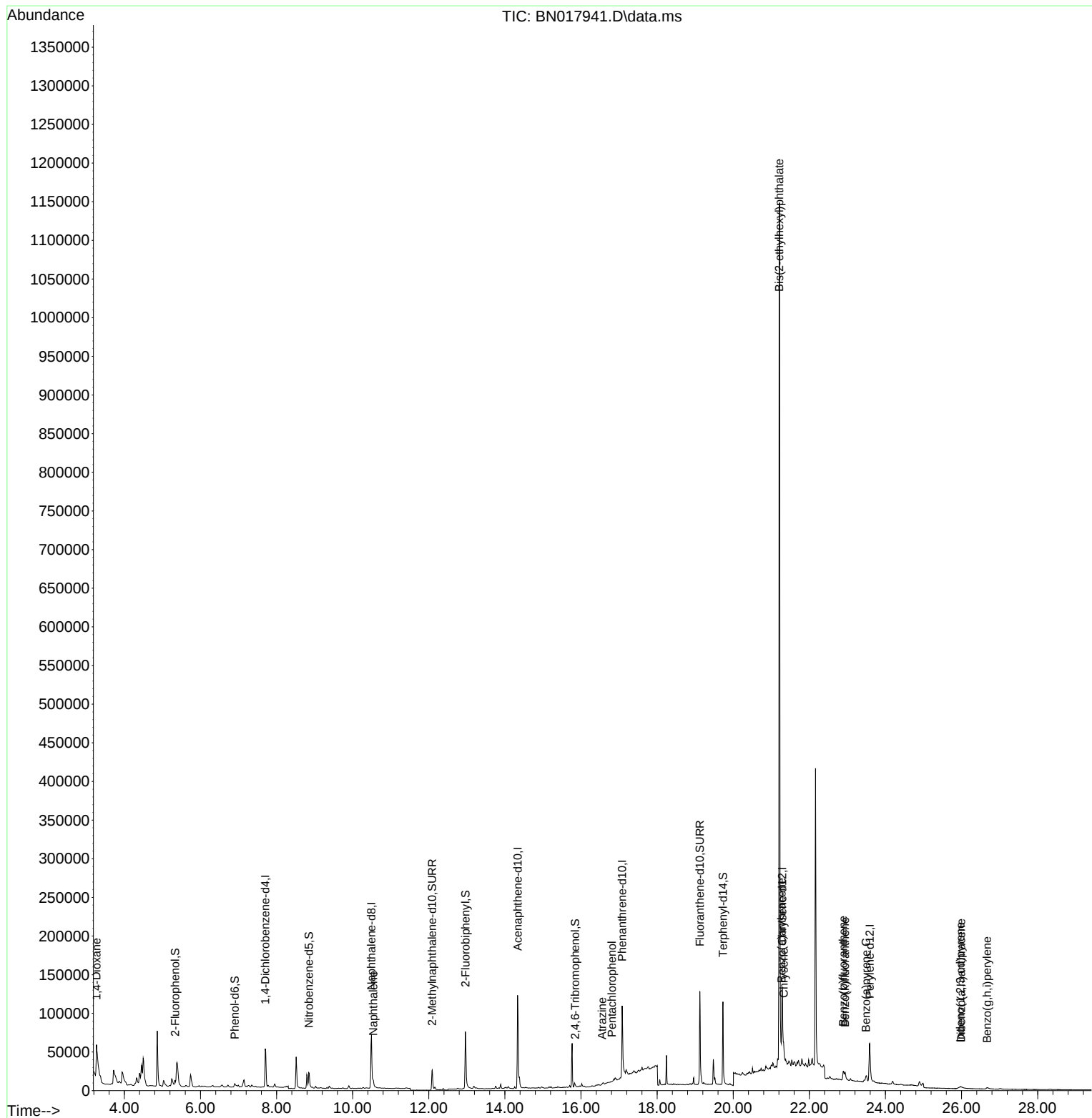
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	29671	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	118051	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	81203	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	155094	0.400	ng	#-0.01
29) Chrysene-d12	21.293	240	115383	0.400	ng	# 0.00
35) Perylene-d12	23.585	264	89218	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	8178	0.134	ng	0.00
5) Phenol-d6	6.903	99	4600	0.076	ng	0.00
8) Nitrobenzene-d5	8.846	82	21271	0.276	ng	-0.01
11) 2-Methylnaphthalene-d10	12.089	152	49636	0.239	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	4642	0.437	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	79739	0.279	ng	0.00
27) Fluoranthene-d10	19.124	212	160663	0.320	ng	0.00
31) Terphenyl-d14	19.730	244	132831	0.467	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	40966	4.550	ng	93
9) Naphthalene	10.544	128	10801	0.037	ng	96
20) 4,6-Dinitro-2-methylph...	15.463	198	9	Below Cal	#	15
23) Atrazine	16.557	200	244	0.095	ng	# 13
24) Pentachlorophenol	16.812	266	126	0.136	ng	# 17
32) Benzo(a)anthracene	21.272	228	19748	0.103	ng	# 87
33) Chrysene	21.325	228	21867	0.058	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.208	149	1252788	10.114	ng	98
36) Indeno(1,2,3-cd)pyrene	25.968	276	6190	0.122	ng	# 82
37) Benzo(b)fluoranthene	22.890	252	16113	0.055	ng	# 1
38) Benzo(k)fluoranthene	22.938	252	13862	0.048	ng	# 1
39) Benzo(a)pyrene	23.486	252	13914	0.053	ng	# 1
40) Dibenzo(a,h)anthracene	25.988	278	3833	0.131	ng	# 1
41) Benzo(g,h,i)perylene	26.676	276	6933	0.049	ng	# 60

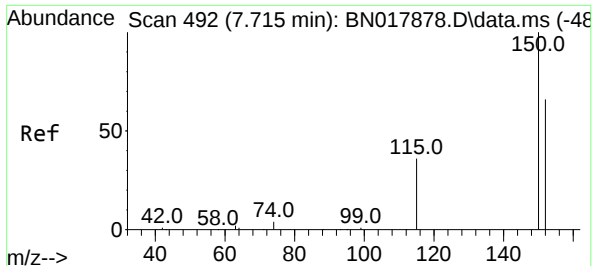
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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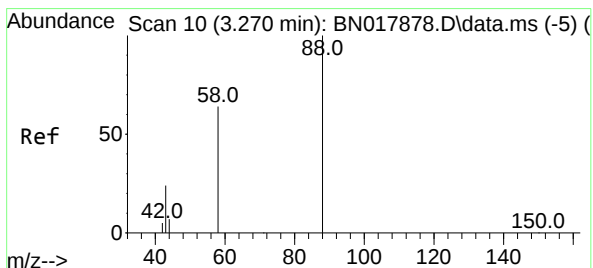
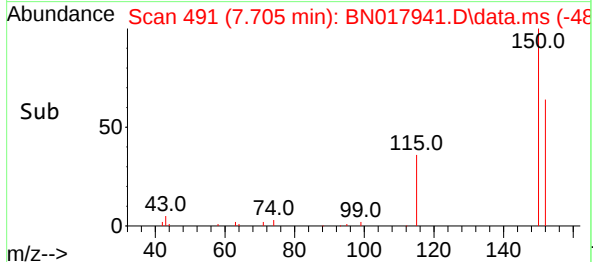
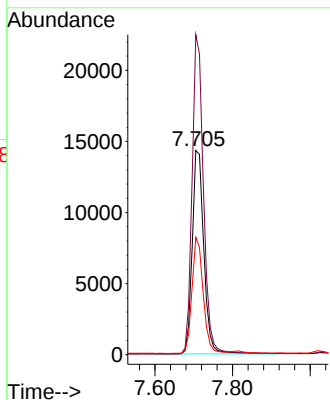
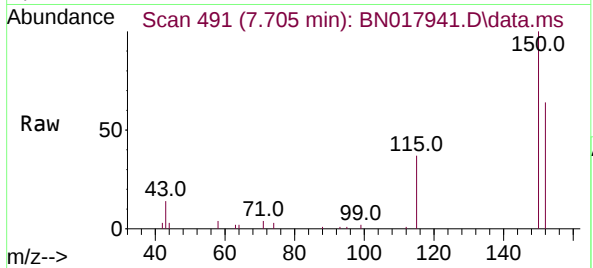




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.705 min Scan# 49
 Delta R.T. -0.010 min
 Lab File: BN017941.D
 Acq: 12 Dec 2021 15:29

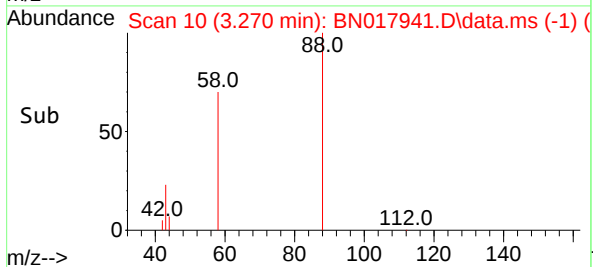
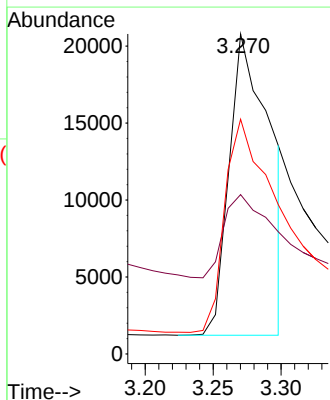
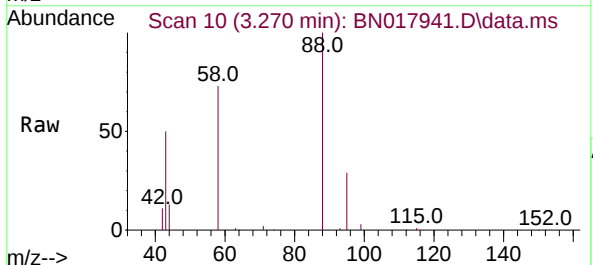
Instrument :
 BNA_N
 ClientSampleId :
 RE109D1-20211206

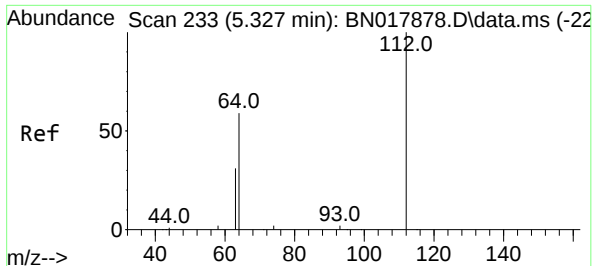
Tgt Ion:152 Resp: 29671
 Ion Ratio Lower Upper
 152 100
 150 156.8 121.9 182.9
 115 57.5 44.1 66.1



#2
 1,4-Dioxane
 Concen: 4.550 ng
 RT: 3.270 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: BN017941.D
 Acq: 12 Dec 2021 15:29

Tgt Ion: 88 Resp: 40966
 Ion Ratio Lower Upper
 88 100
 43 29.7 28.0 42.0
 58 76.2 65.4 98.0

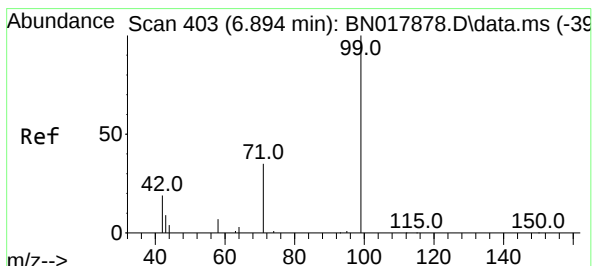
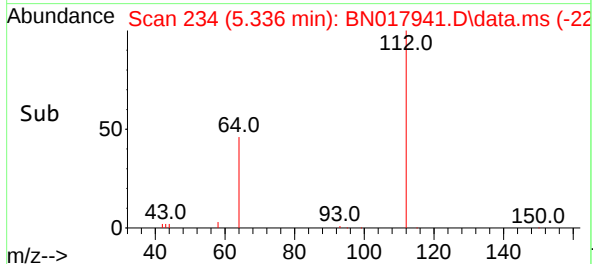
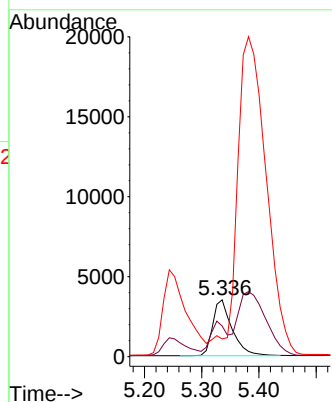
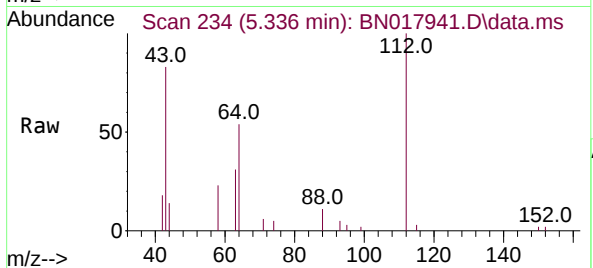




#4
2-Fluorophenol
Concen: 0.134 ng
RT: 5.336 min Scan# 211
Delta R.T. 0.009 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

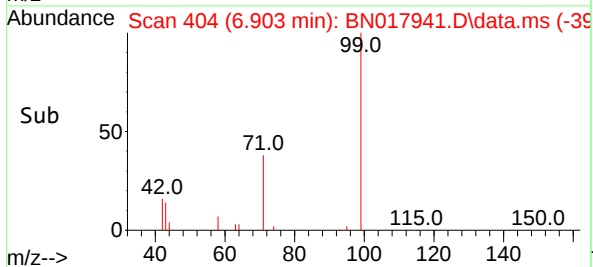
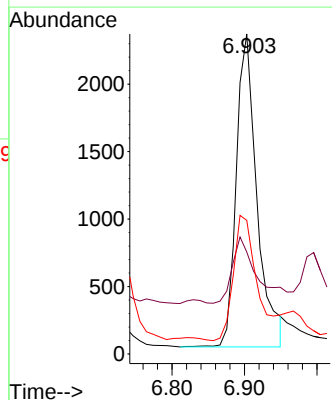
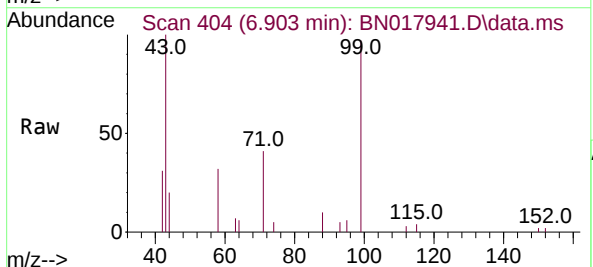
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

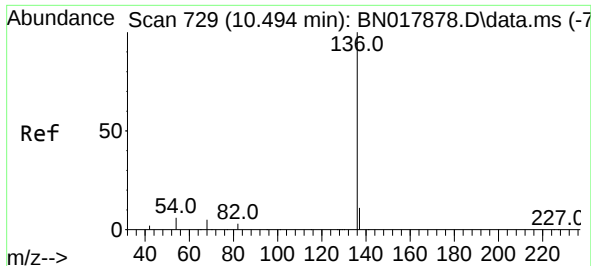
Tgt Ion:112 Resp: 8178
Ion Ratio Lower Upper
112 100
64 40.3 49.0 73.4#
63 0.0 26.2 39.2#



#5
Phenol-d6
Concen: 0.076 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion: 99 Resp: 4600
Ion Ratio Lower Upper
99 100
42 23.0 17.0 25.4
71 44.7 28.0 42.0#

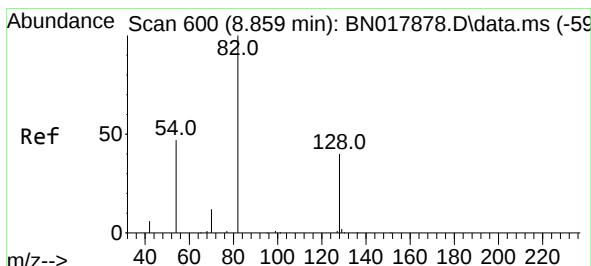
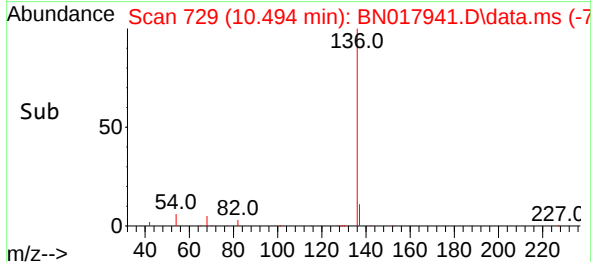
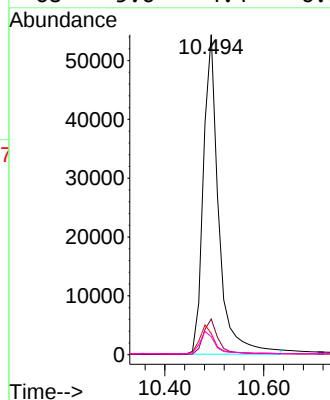
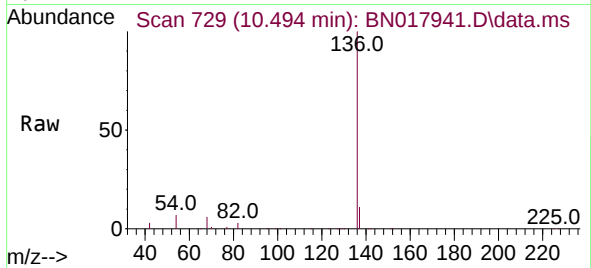




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

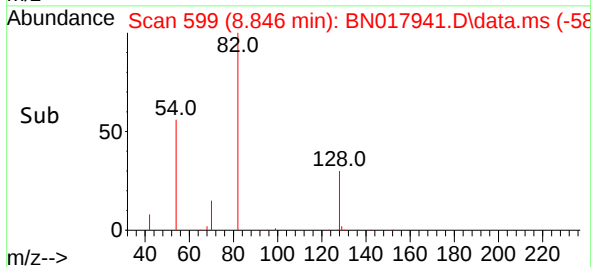
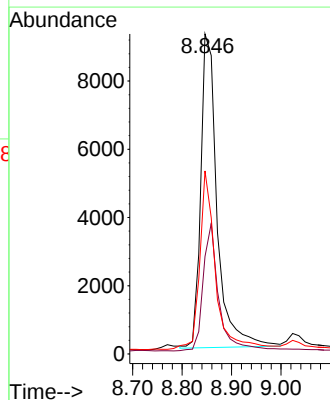
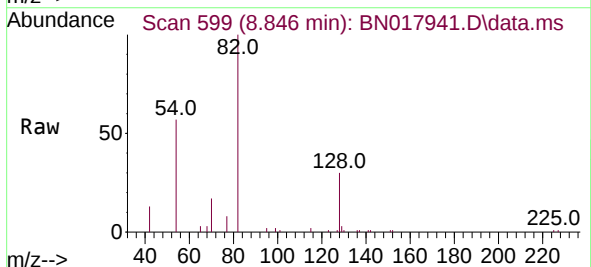
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

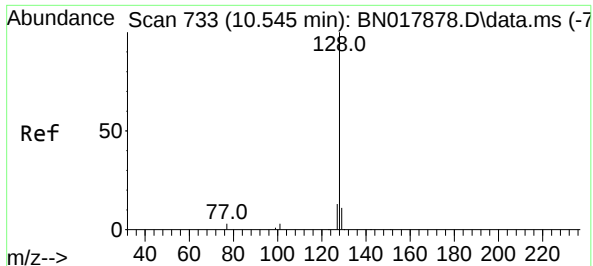
Tgt Ion:	136	Resp:	118051
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.8	13.2
54	6.6	5.1	7.7
68	5.6	4.4	6.6



#8
Nitrobenzene-d5
Concen: 0.276 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:	82	Resp:	21271
Ion Ratio	Lower	Upper	
82	100		
128	30.5	32.2	48.4#
54	57.2	37.6	56.4#

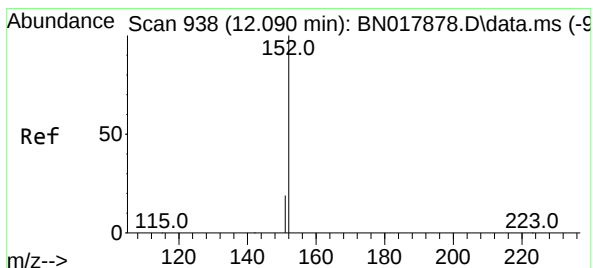
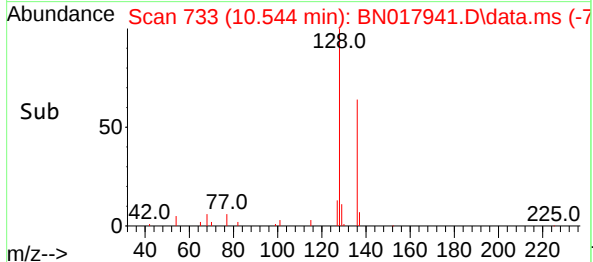
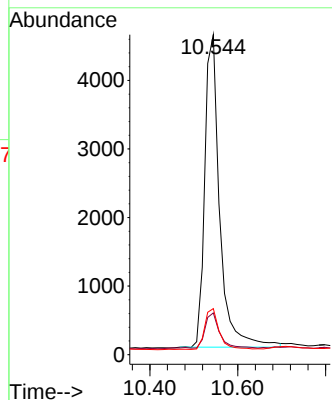
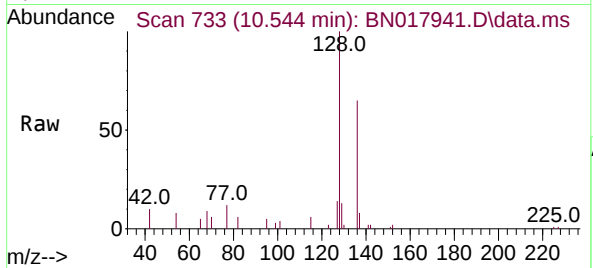




#9
Naphthalene
Concen: 0.037 ng
RT: 10.544 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

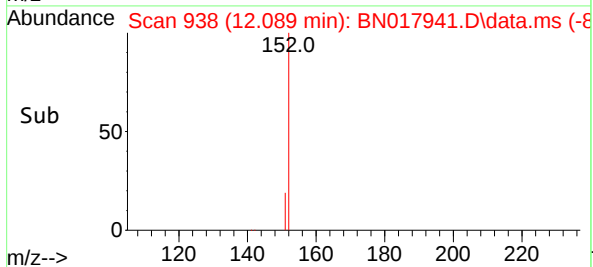
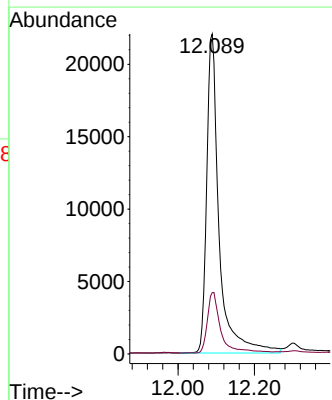
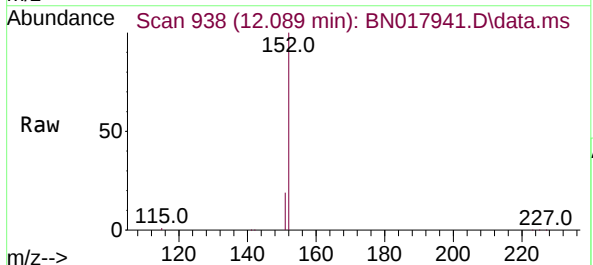
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

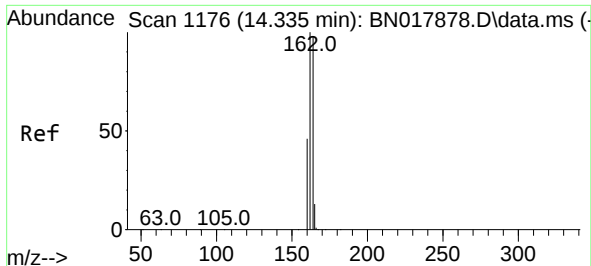
Tgt Ion:128 Resp: 10801
Ion Ratio Lower Upper
128 100
129 13.0 8.8 13.2
127 14.4 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.239 ng
RT: 12.089 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:152 Resp: 49636
Ion Ratio Lower Upper
152 100
151 20.5 16.4 24.6

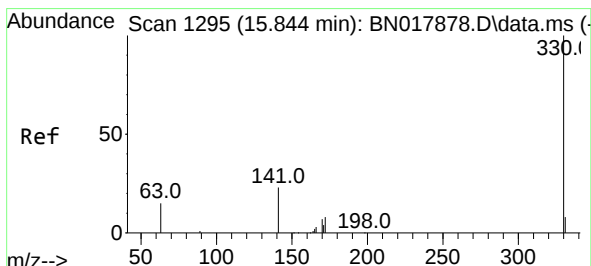
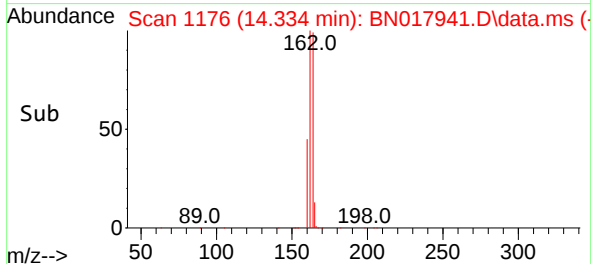
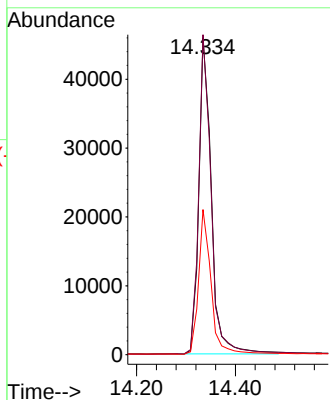
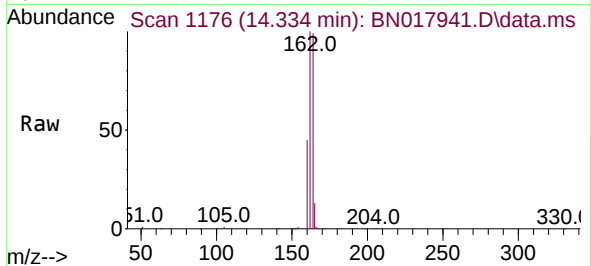




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

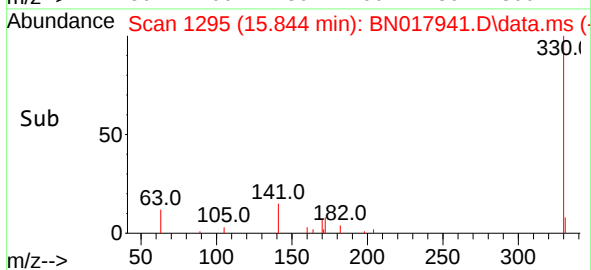
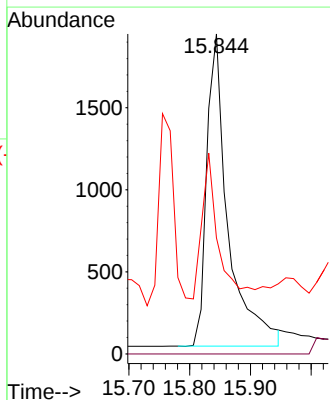
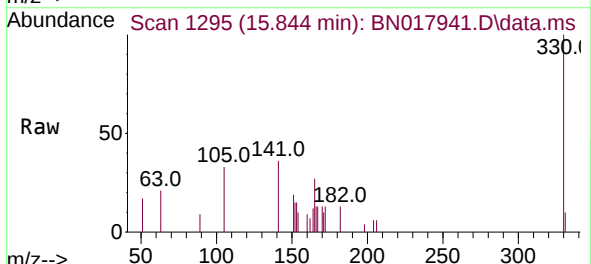
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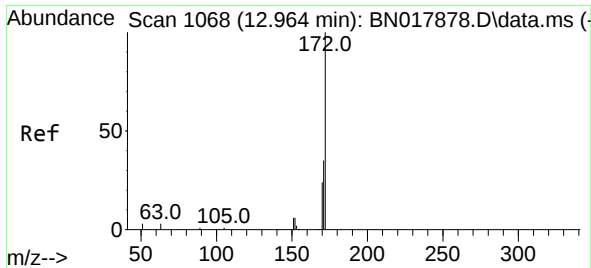
Tgt Ion:164 Resp: 81203
Ion Ratio Lower Upper
164 100
162 100.9 82.1 123.1
160 45.8 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.437 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:330 Resp: 4642
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.7 19.7 29.5#

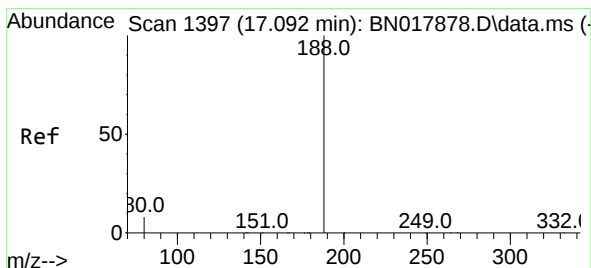
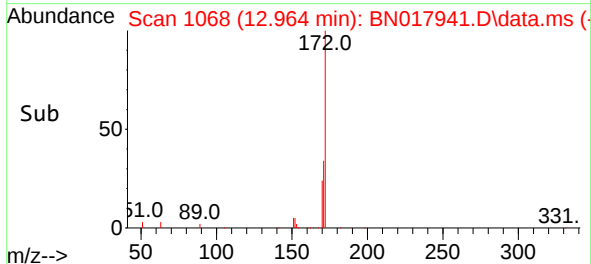
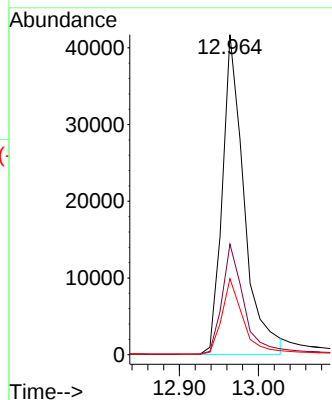
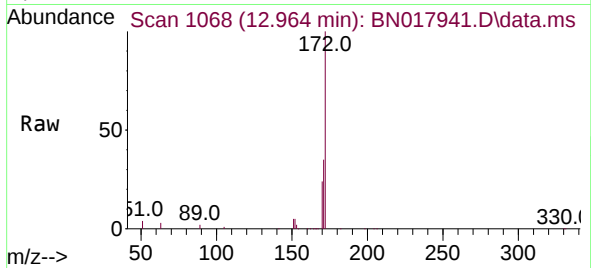




#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

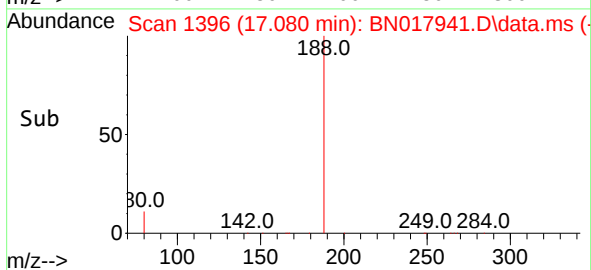
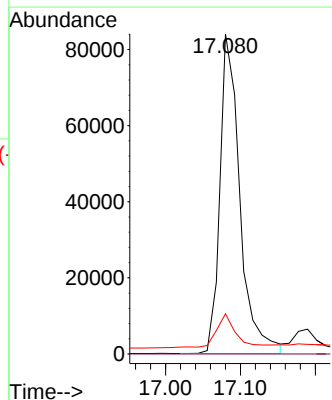
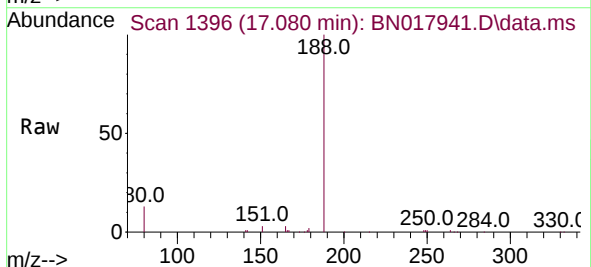
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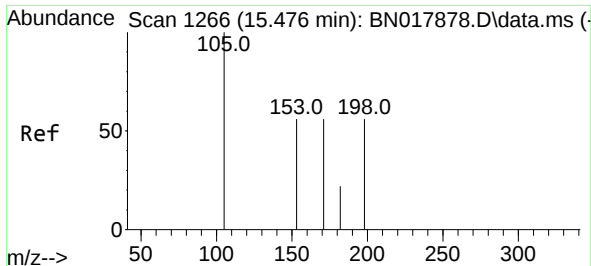
Tgt Ion:172	Resp:	79739
Ion Ratio	Lower	Upper
172	100	
171	34.6	28.3 42.5
170	23.8	19.1 28.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

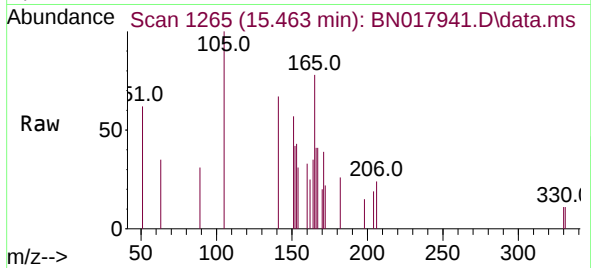
Tgt Ion:188	Resp:	155094
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0 0.0
80	12.6	6.2 9.2#



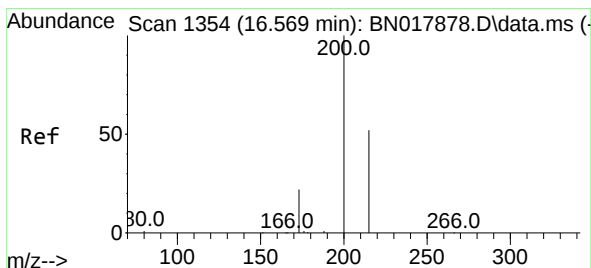
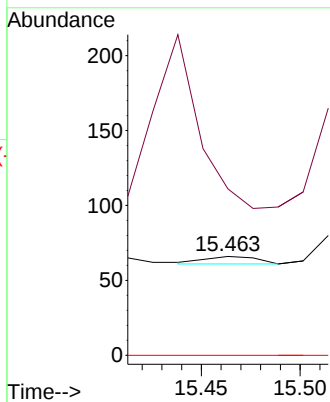
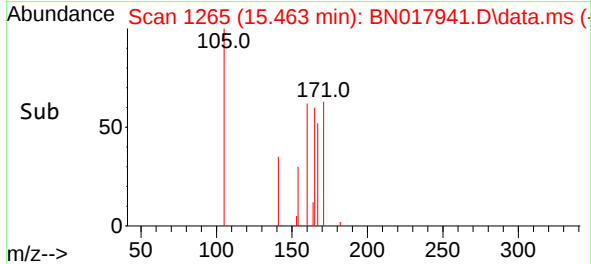


#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.463 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

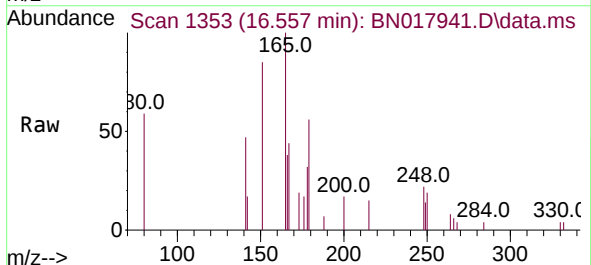
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206



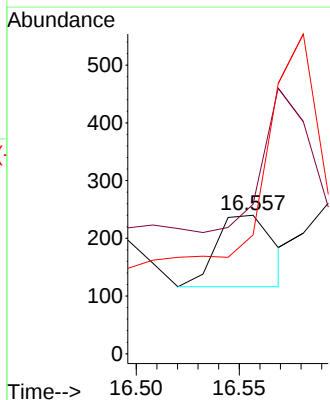
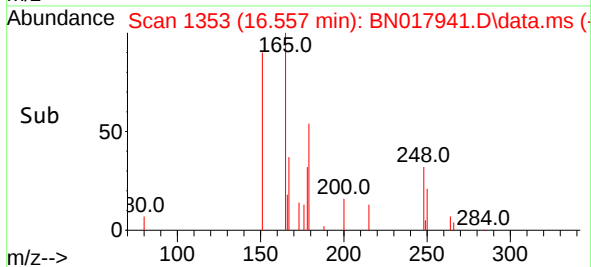
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Ion Ratio Lower Upper
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182 168.2 70.8 106.2#
77 0.0 0.0 0.0

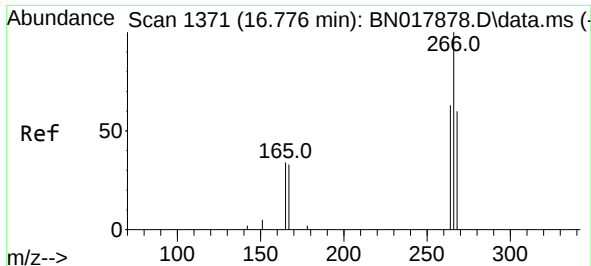


#23
Atrazine
Concen: 0.095 ng
RT: 16.557 min Scan# 1353
Delta R.T. -0.012 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29



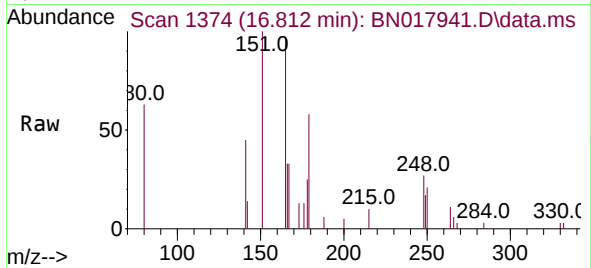
Tgt Ion:200 Resp: 244
Ion Ratio Lower Upper
200 100
173 107.9 18.2 27.2#
215 85.8 41.8 62.8#



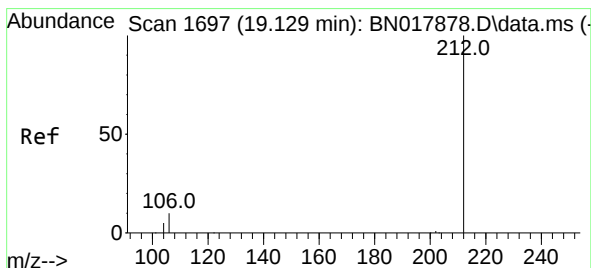
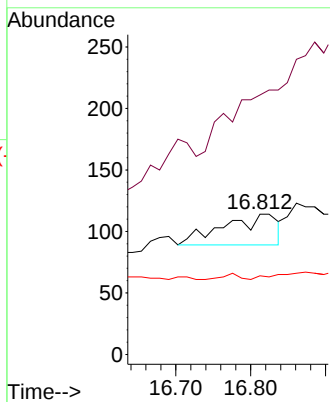
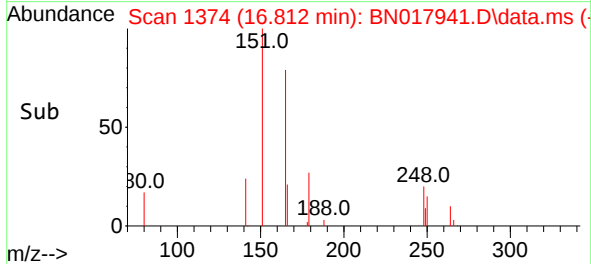


#24
 Pentachlorophenol
 Concen: 0.136 ng
 RT: 16.812 min Scan# 11
 Delta R.T. 0.036 min
 Lab File: BN017941.D
 Acq: 12 Dec 2021 15:29

Instrument :
 BNA_N
 ClientSampleId :
 RE109D1-20211206

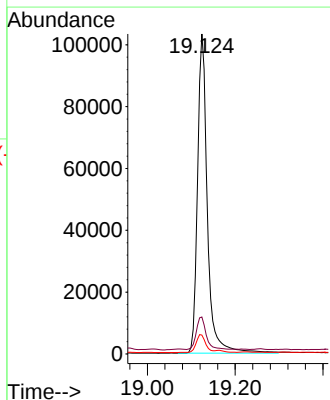
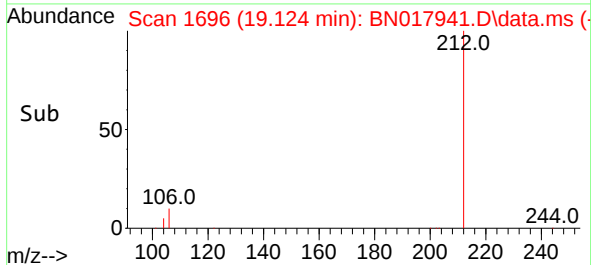
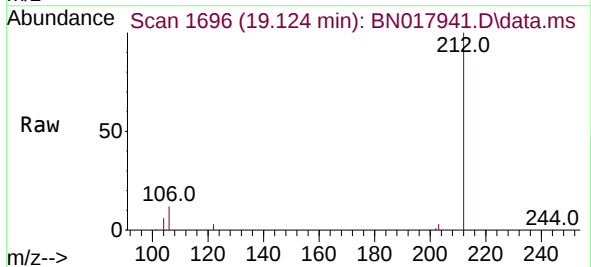


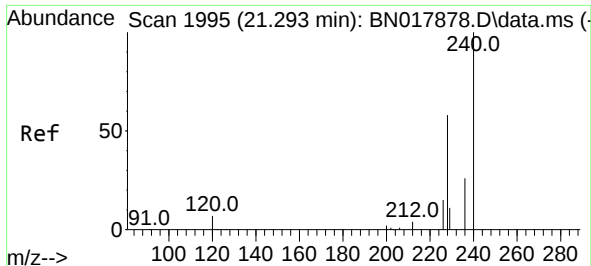
Tgt Ion:266 Resp: 126
 Ion Ratio Lower Upper
 266 100
 264 0.0 50.6 76.0#
 268 0.0 53.7 80.5#



#27
 Fluoranthene-d10
 Concen: 0.320 ng
 RT: 19.124 min Scan# 1696
 Delta R.T. -0.005 min
 Lab File: BN017941.D
 Acq: 12 Dec 2021 15:29

Tgt Ion:212 Resp: 160663
 Ion Ratio Lower Upper
 212 100
 106 10.3 8.3 12.5
 104 5.4 4.6 6.8

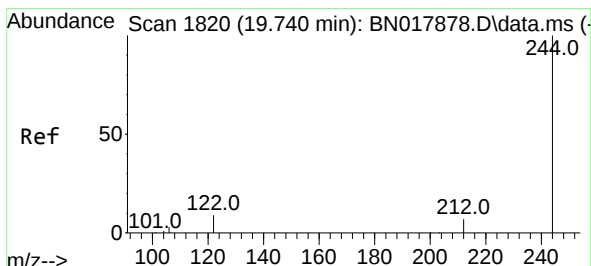
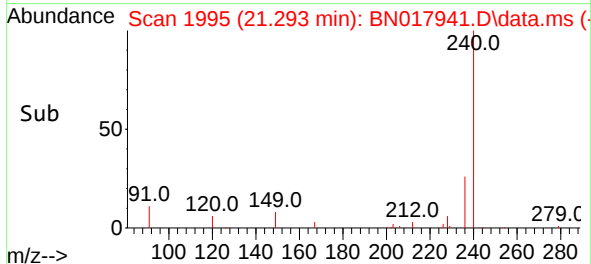
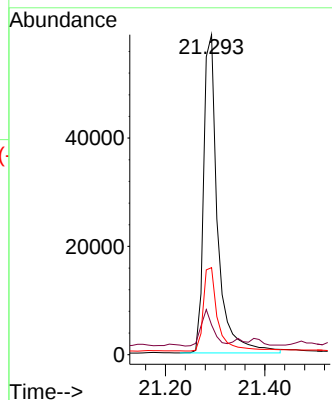
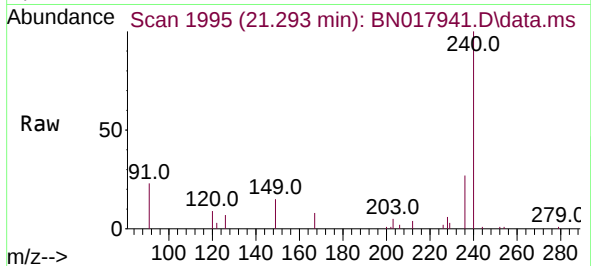




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

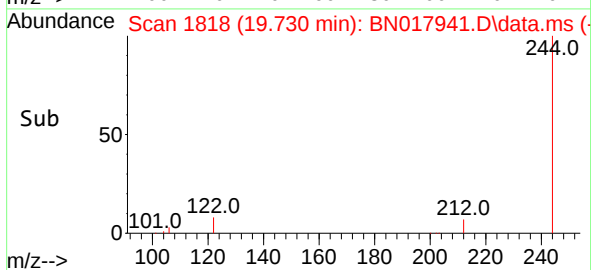
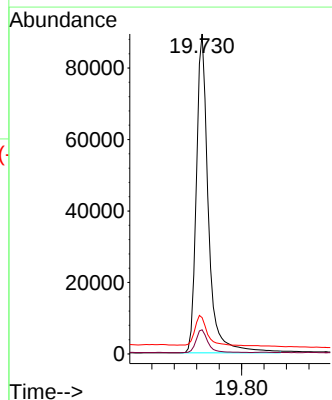
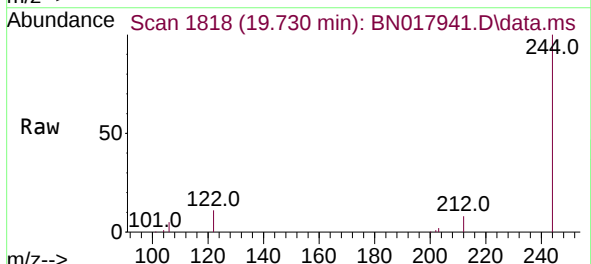
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

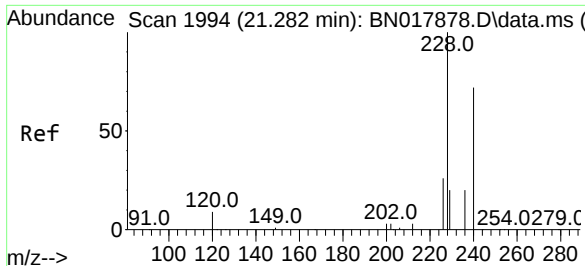
Tgt Ion:240 Resp: 115383
Ion Ratio Lower Upper
240 100
120 9.3 5.8 8.8#
236 27.2 21.0 31.6



#31
Terphenyl-d14
Concen: 0.467 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:244 Resp: 132831
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 11.4 7.5 11.3#

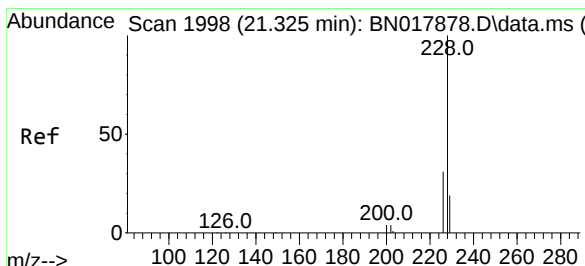
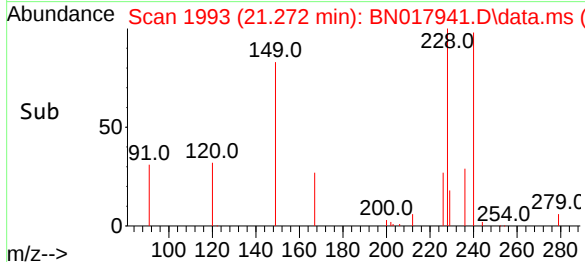
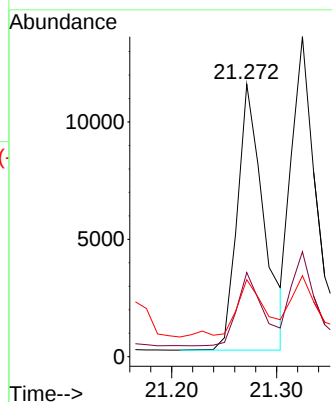
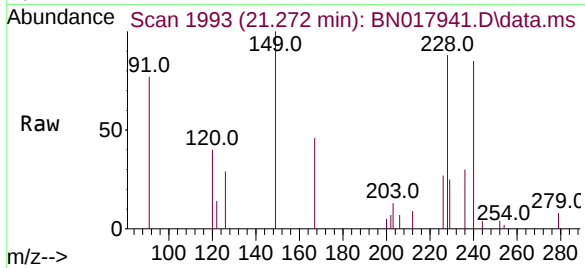




#32
Benzo(a)anthracene
Concen: 0.103 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

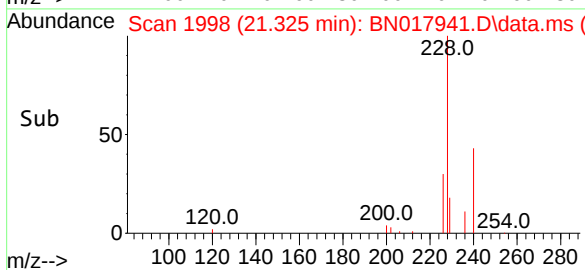
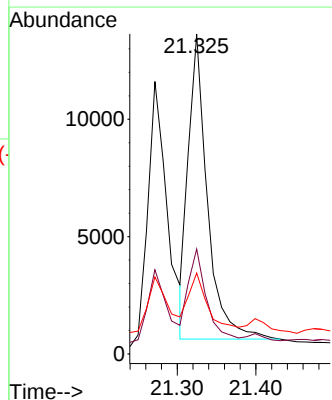
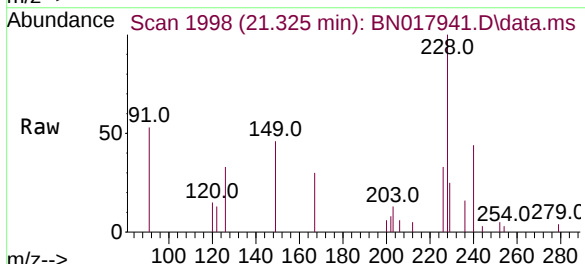
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

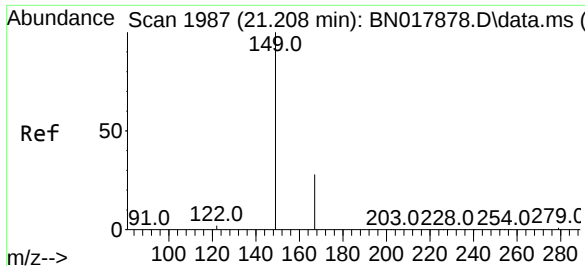
Tgt Ion:228 Resp: 19748
Ion Ratio Lower Upper
228 100
226 30.9 21.0 31.4
229 28.2 15.8 23.8#



#33
Chrysene
Concen: 0.058 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:228 Resp: 21867
Ion Ratio Lower Upper
228 100
226 32.8 23.8 35.8
229 25.3 15.6 23.4#

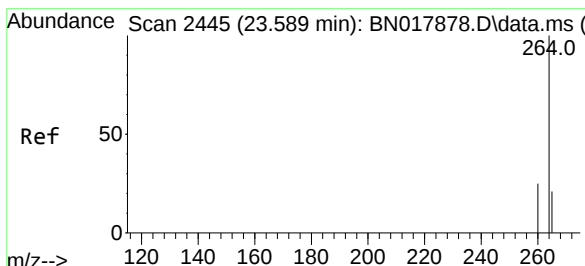
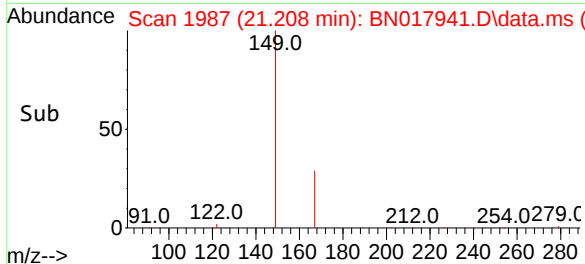
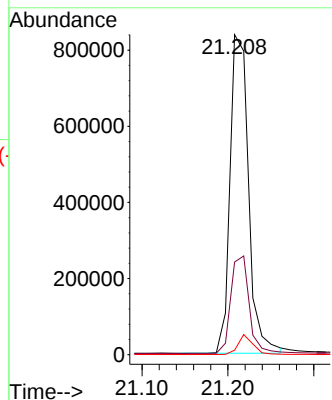
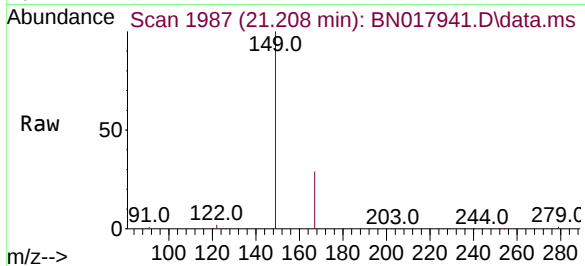




#34
Bis(2-ethylhexyl)phthalate
Concen: 10.114 ng
RT: 21.208 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

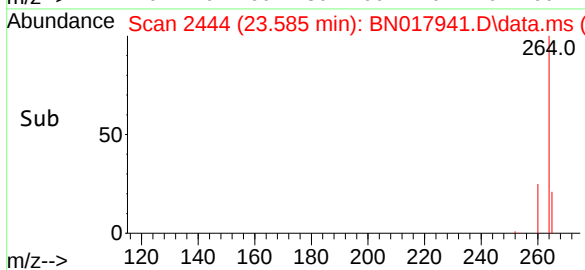
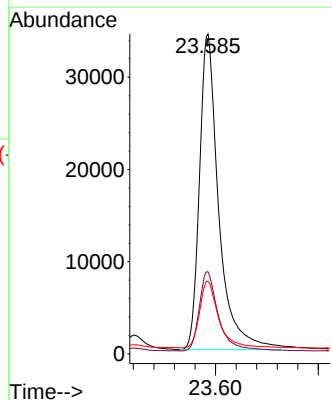
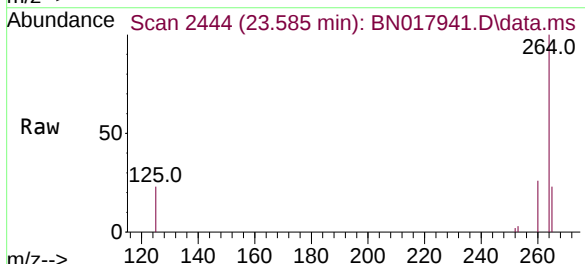
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

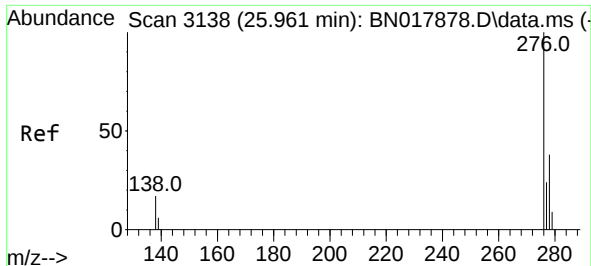
Tgt Ion:149 Resp: 1252788
Ion Ratio Lower Upper
149 100
167 30.5 23.4 35.0
279 5.1 3.6 5.4



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.585 min Scan# 2444
Delta R.T. -0.004 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:264 Resp: 89218
Ion Ratio Lower Upper
264 100
260 25.6 20.2 30.4
265 22.7 18.2 27.4

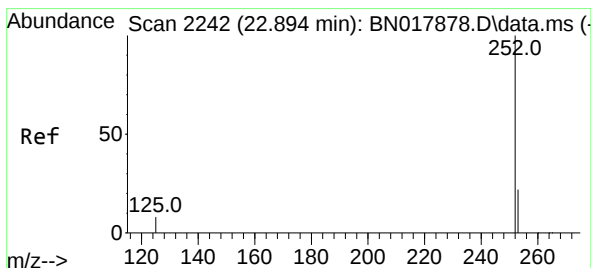
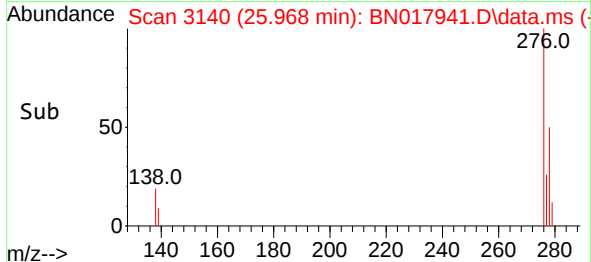
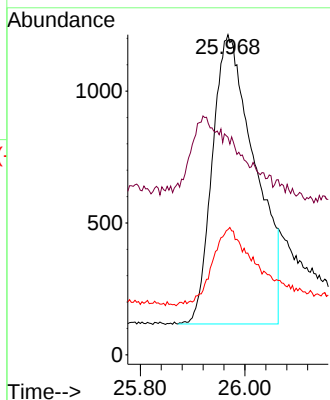
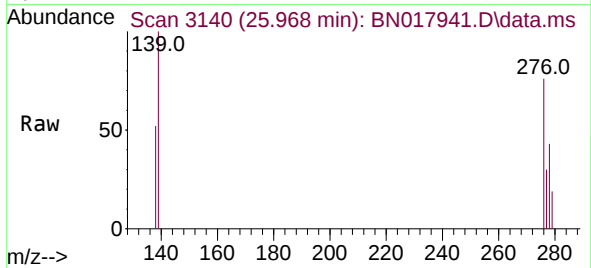




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.122 ng
RT: 25.968 min Scan# 3138
Delta R.T. 0.007 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

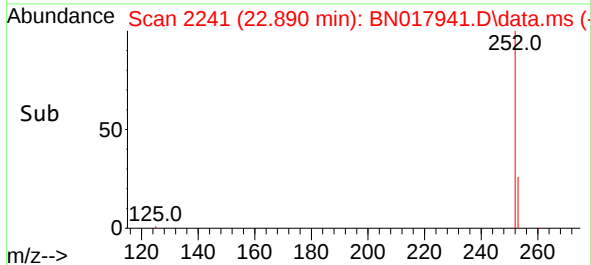
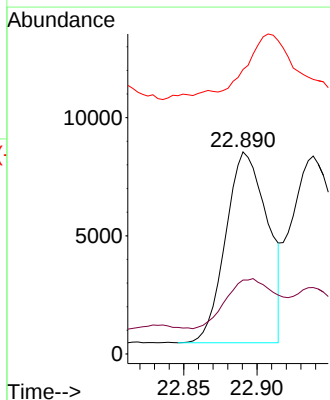
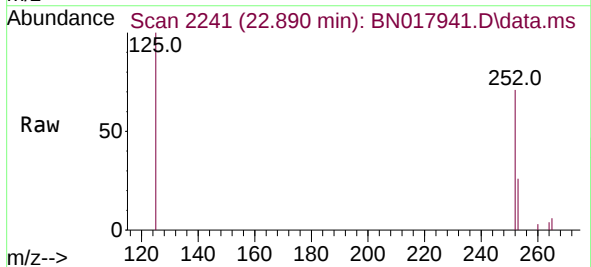
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

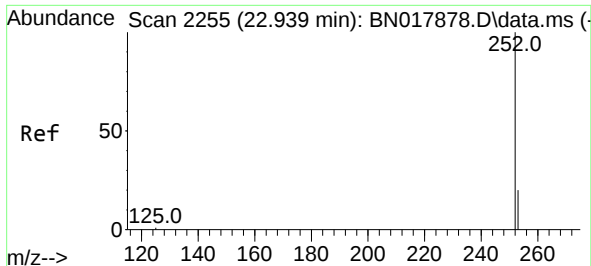
Tgt Ion:276 Resp: 6190
Ion Ratio Lower Upper
276 100
138 0.0 15.2 22.8#
277 24.6 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 0.055 ng
RT: 22.890 min Scan# 2241
Delta R.T. -0.004 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:252 Resp: 16113
Ion Ratio Lower Upper
252 100
253 36.6 17.9 26.9#
125 140.8 6.8 10.2#

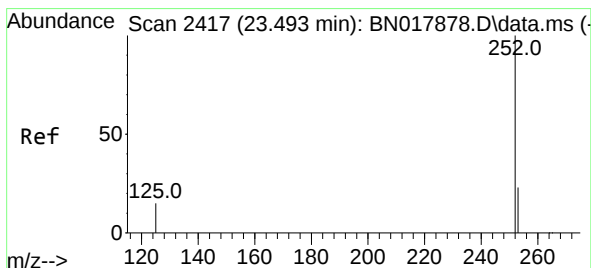
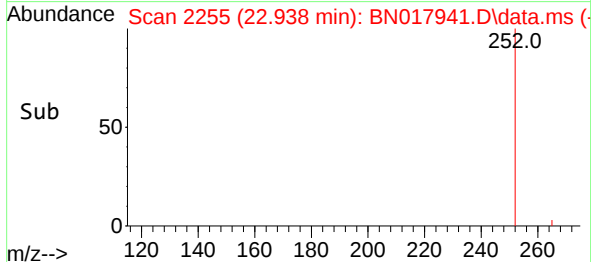
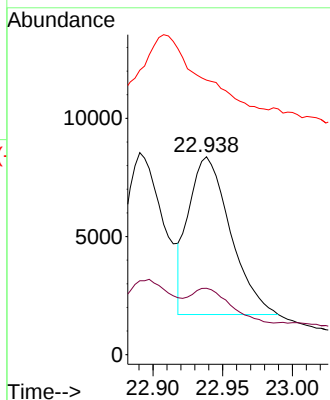
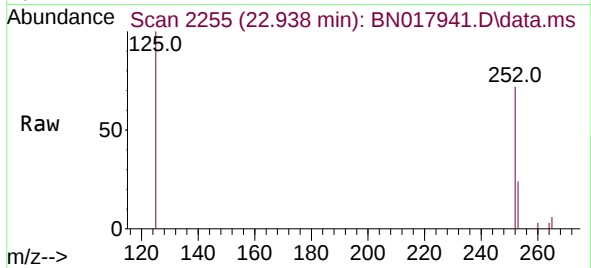




#38
Benzo(k)fluoranthene
Concen: 0.048 ng
RT: 22.938 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

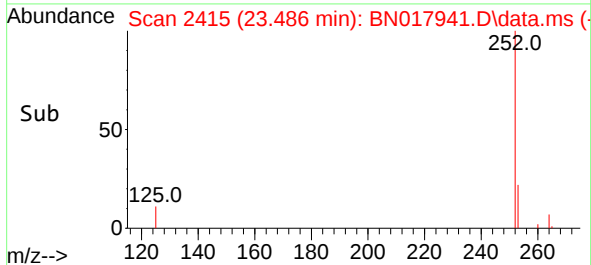
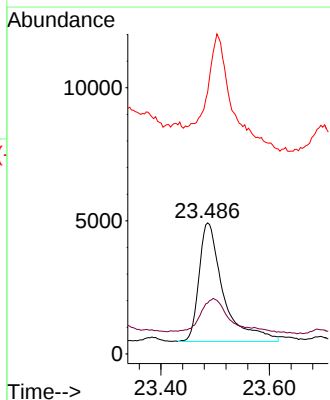
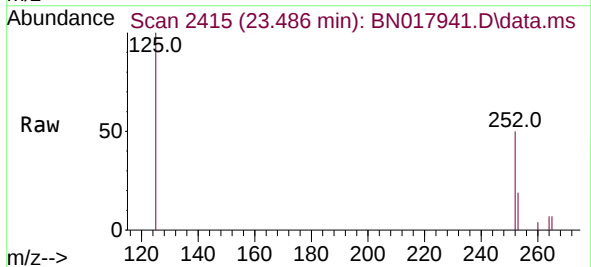
Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

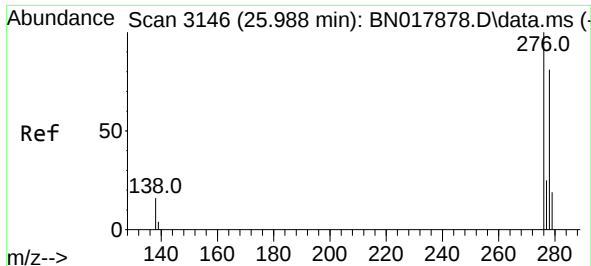
Tgt Ion:252 Resp: 13862
Ion Ratio Lower Upper
252 100
253 33.5 17.8 26.6#
125 138.8 6.1 9.1#



#39
Benzo(a)pyrene
Concen: 0.053 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:252 Resp: 13914
Ion Ratio Lower Upper
252 100
253 38.8 18.8 28.2#
125 199.8 12.2 18.2#

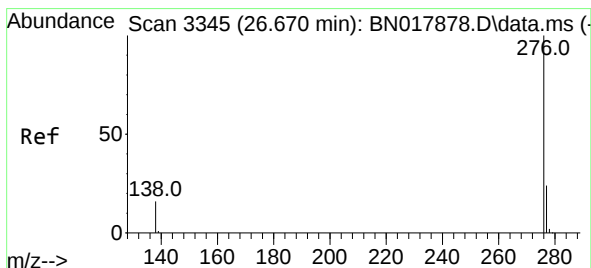
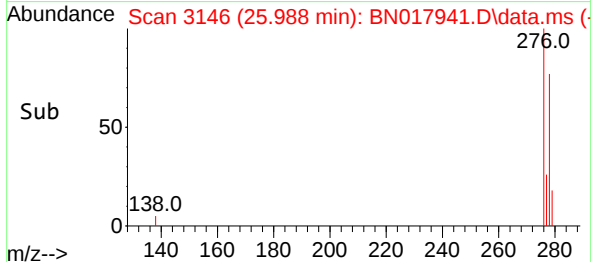
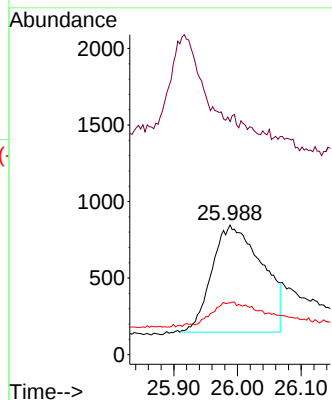
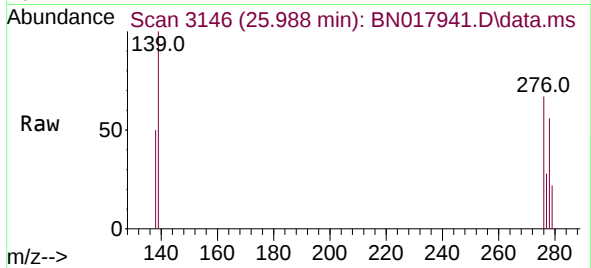




#40
Dibenzo(a,h)anthracene
Concen: 0.131 ng
RT: 25.988 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Instrument :
BNA_N
ClientSampleId :
RE109D1-20211206

Tgt Ion:278 Resp: 3833
Ion Ratio Lower Upper
278 100
139 180.0 12.0 18.0#
279 40.0 20.8 31.2#



#41
Benzo(g,h,i)perylene
Concen: 0.049 ng
RT: 26.676 min Scan# 3347
Delta R.T. 0.006 min
Lab File: BN017941.D
Acq: 12 Dec 2021 15:29

Tgt Ion:276 Resp: 6933
Ion Ratio Lower Upper
276 100
277 33.2 19.6 29.4#
138 48.3 13.8 20.8#

