

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017959.D
 Acq On : 13 Dec 2021 04:07
 Operator : CG/JU
 Sample : M4988-14
 Misc :
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP03-20211207

Quant Time: Dec 13 04:43:46 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)

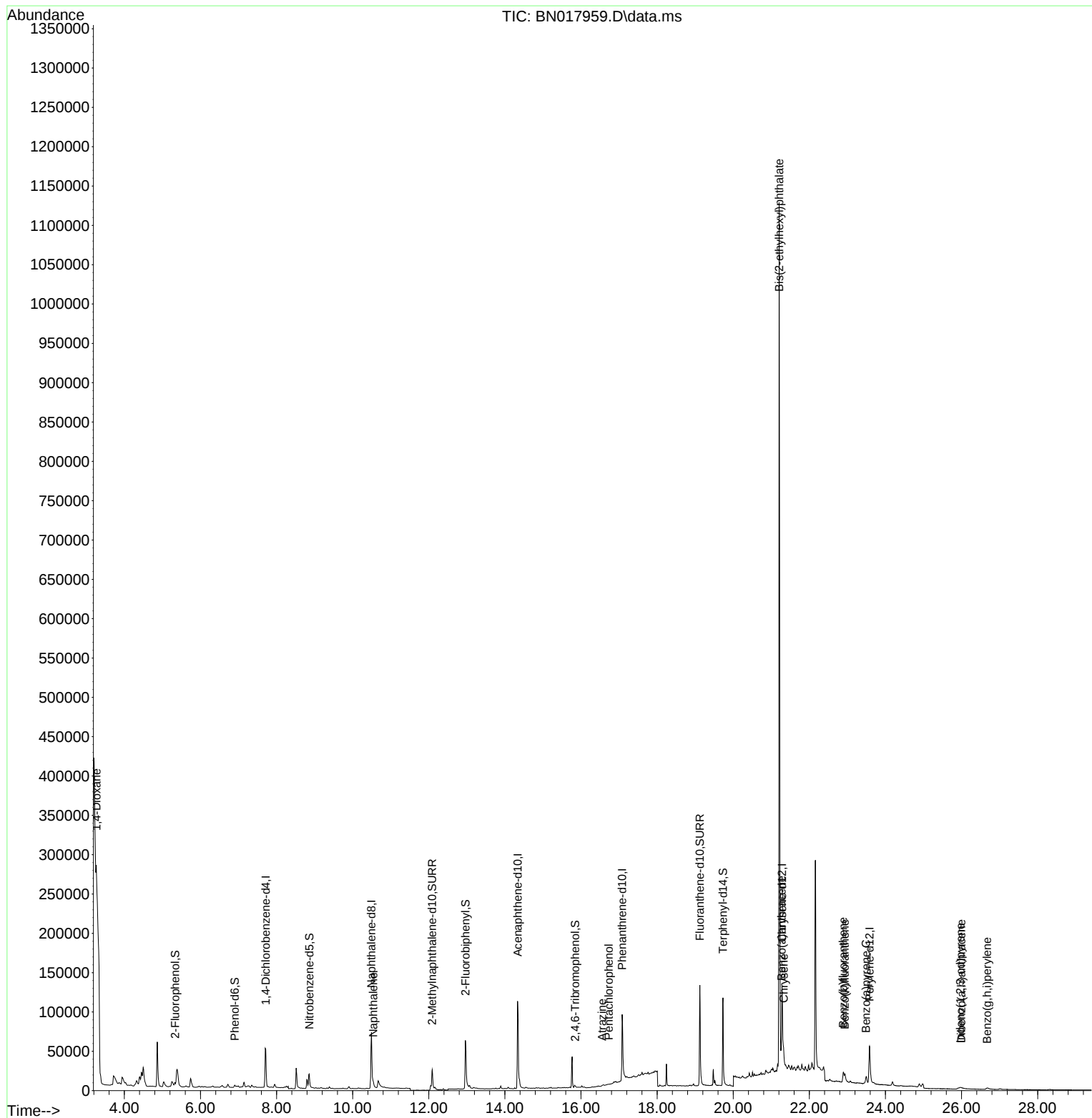
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	30566	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	121709	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	81525	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	166429	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	116043	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	86556	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	6086	0.097	ng	0.00
5) Phenol-d6	6.903	99	3114	0.050	ng	0.00
8) Nitrobenzene-d5	8.859	82	20547	0.259	ng	0.00
11) 2-Methylnaphthalene-d10	12.089	152	50716	0.237	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	2913	0.398	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	73575	0.256	ng	0.00
27) Fluoranthene-d10	19.124	212	175694	0.326	ng	0.00
31) Terphenyl-d14	19.730	244	138088	0.483	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.270	88	50438	5.438	ng	93
9) Naphthalene	10.544	128	7693	0.025	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.464	198	8	Below Cal	#	25
23) Atrazine	16.557	200	174	0.093	ng	# 39
24) Pentachlorophenol	16.727	266	7	0.084	ng	# 39
32) Benzo(a)anthracene	21.272	228	18854	0.101	ng	# 90
33) Chrysene	21.325	228	24995	0.066	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.208	149	1025772	8.234	ng	98
36) Indeno(1,2,3-cd)pyrene	25.968	276	5595	0.119	ng	# 66
37) Benzo(b)fluoranthene	22.890	252	16783	0.059	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	13347	0.048	ng	# 4
39) Benzo(a)pyrene	23.486	252	14378	0.057	ng	# 1
40) Dibenzo(a,h)anthracene	25.992	278	3125	0.126	ng	# 1
41) Benzo(g,h,i)perylene	26.673	276	7190	0.052	ng	# 67

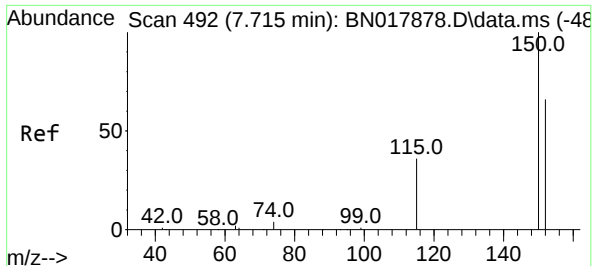
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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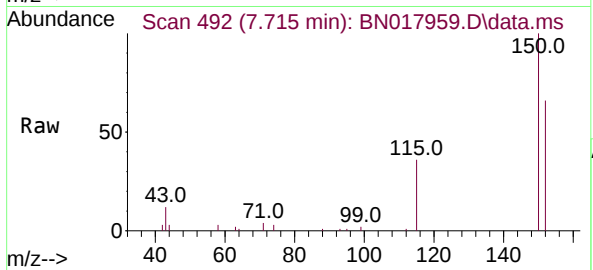
Quant Time: Dec 13 04:43:46 2021
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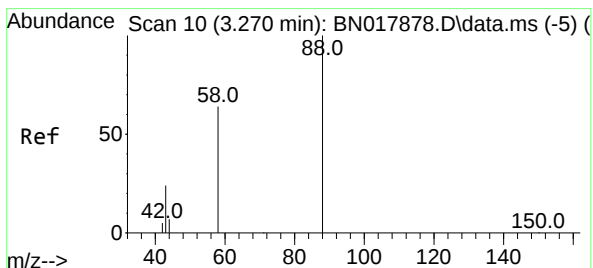
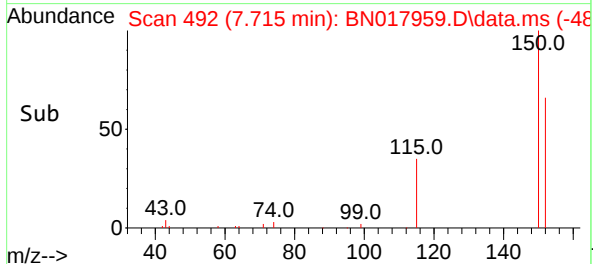
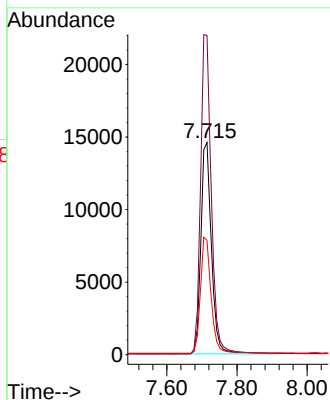


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.715 min Scan# 492
 Delta R.T. -0.000 min
 Lab File: BN017959.D
 Acq: 13 Dec 2021 04:07

Instrument :
 BNA_N
 ClientSampleId :
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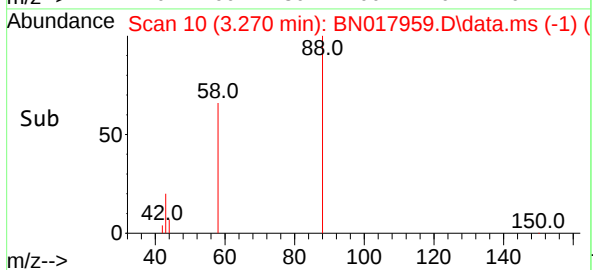
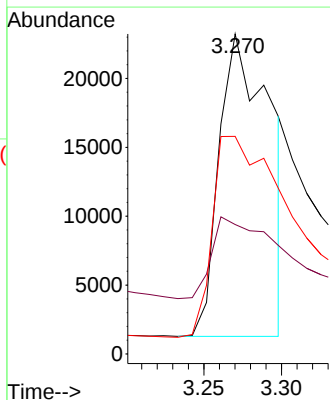
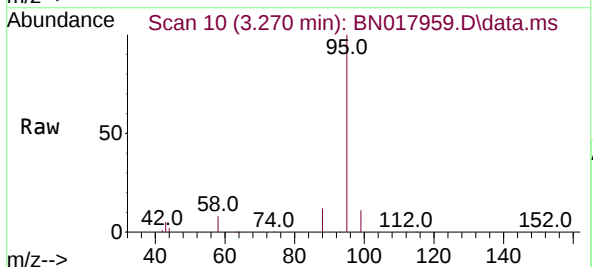


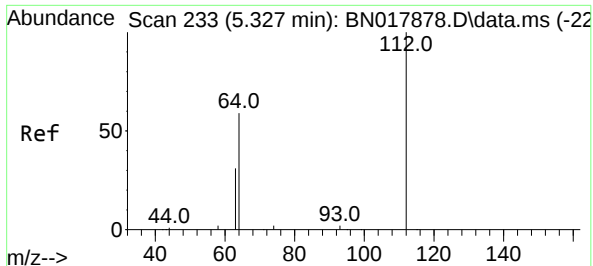
Tgt Ion:152 Resp: 30566
 Ion Ratio Lower Upper
 152 100
 150 150.5 121.9 182.9
 115 53.8 44.1 66.1



#2
 1,4-Dioxane
 Concen: 5.438 ng
 RT: 3.270 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: BN017959.D
 Acq: 13 Dec 2021 04:07

Tgt Ion: 88 Resp: 50438
 Ion Ratio Lower Upper
 88 100
 43 29.4 28.0 42.0
 58 76.2 65.4 98.0

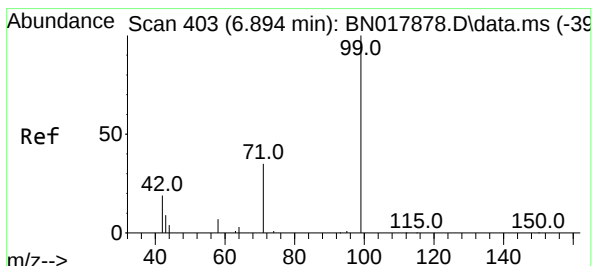
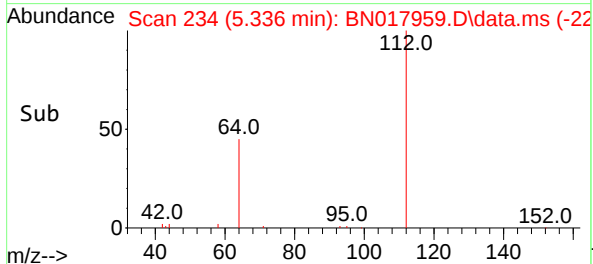
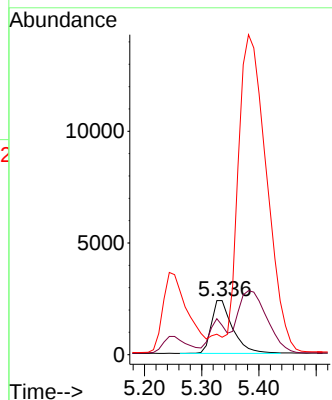
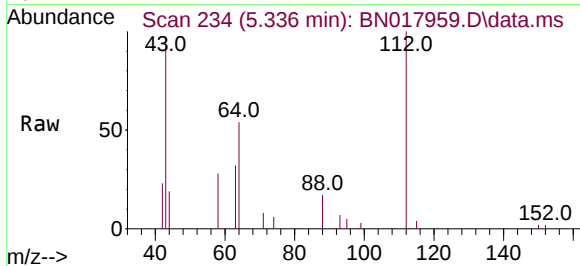




#4
2-Fluorophenol
Concen: 0.097 ng
RT: 5.336 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

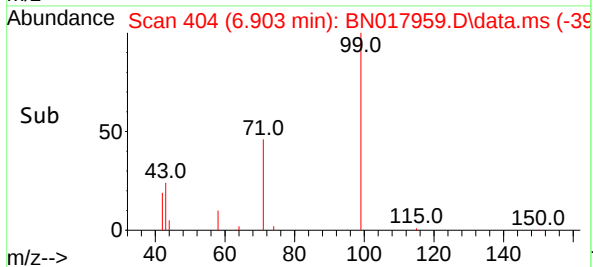
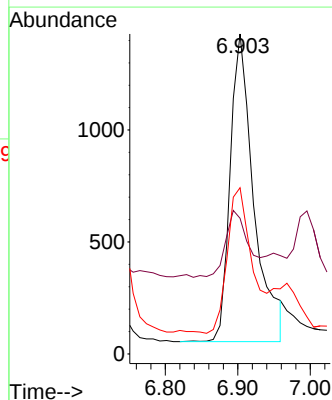
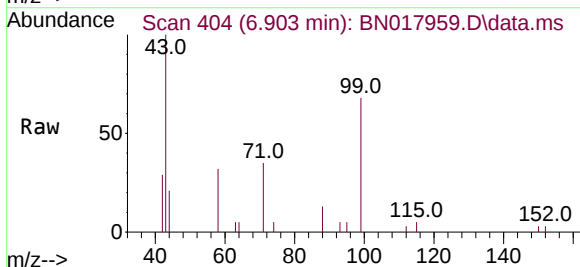
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BNA_N
ClientSampleId :
DUP03-20211207

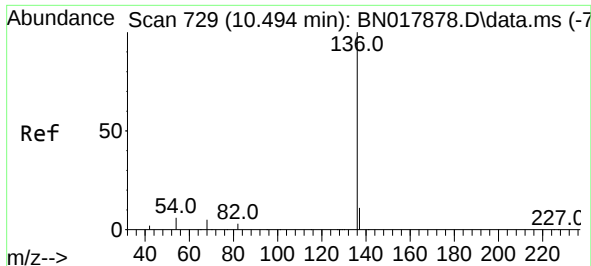
Tgt Ion:112 Resp: 6086
Ion Ratio Lower Upper
112 100
64 37.8 49.0 73.4#
63 0.0 26.2 39.2#



#5
Phenol-d6
Concen: 0.050 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion: 99 Resp: 3114
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.4
71 49.9 28.0 42.0#

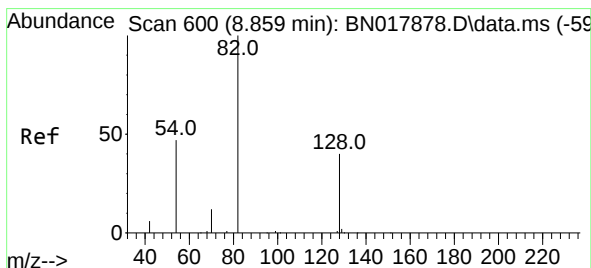
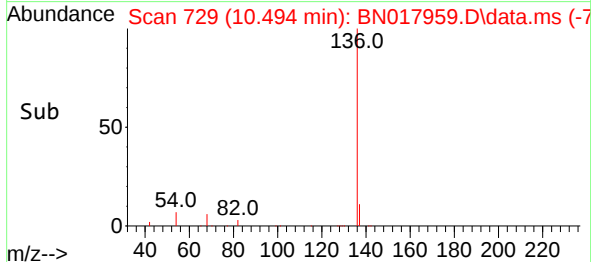
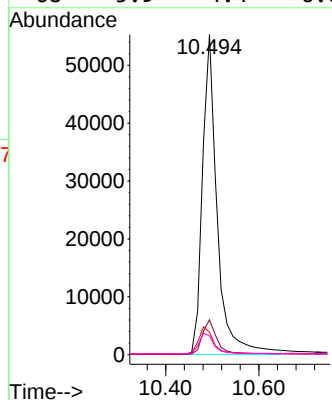
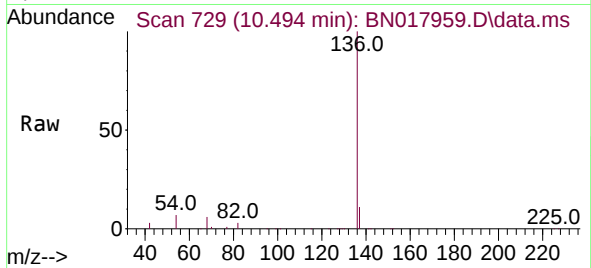




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

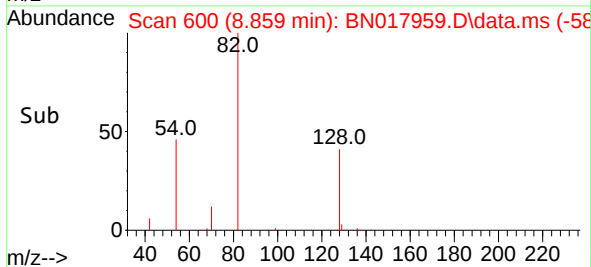
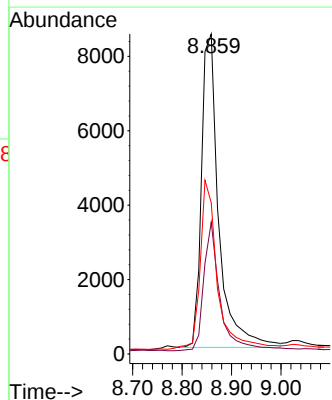
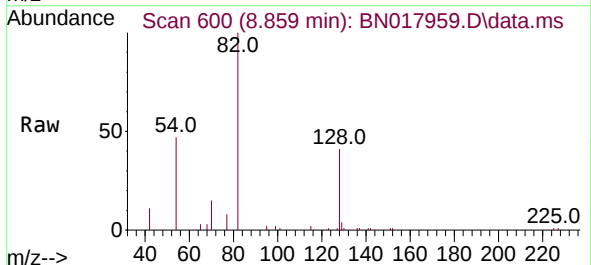
Instrument :
BNA_N
ClientSampleId :
DUP03-20211207

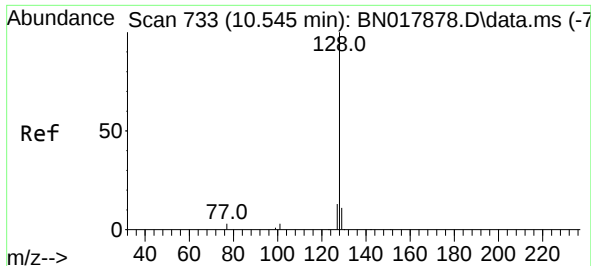
Tgt Ion:	136	Resp:	121709
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.1	5.1	7.7
68	5.9	4.4	6.6



#8
Nitrobenzene-d5
Concen: 0.259 ng
RT: 8.859 min Scan# 600
Delta R.T. -0.000 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion:	82	Resp:	20547
Ion Ratio	Lower	Upper	
82	100		
128	41.2	32.2	48.4
54	47.3	37.6	56.4

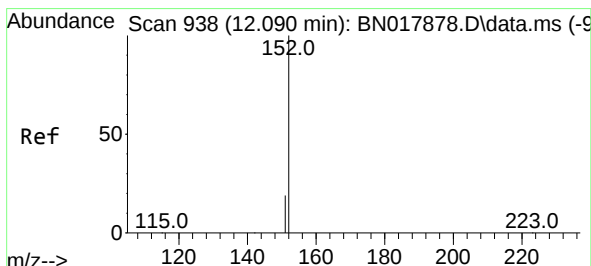
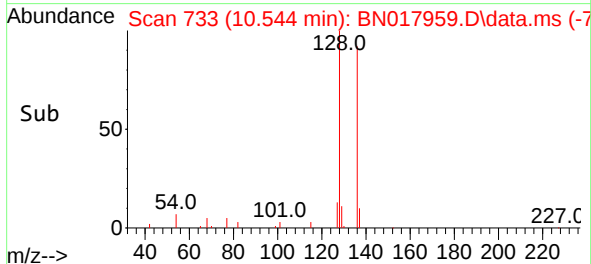
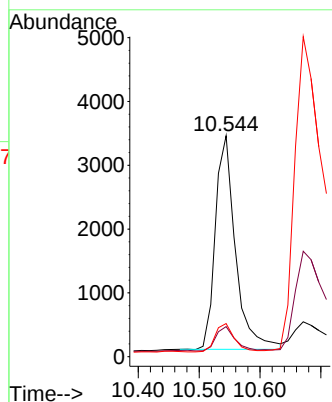
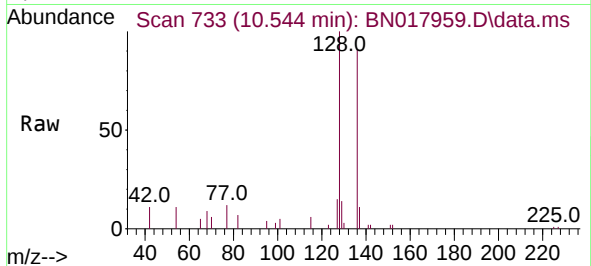




#9
Naphthalene
Concen: 0.025 ng
RT: 10.544 min Scan# 713
Delta R.T. -0.001 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

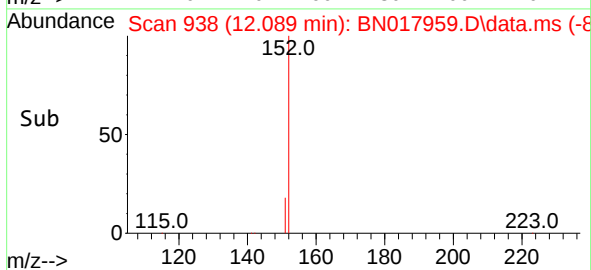
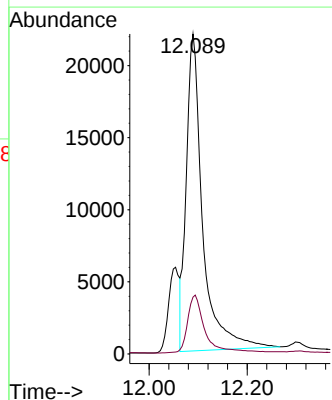
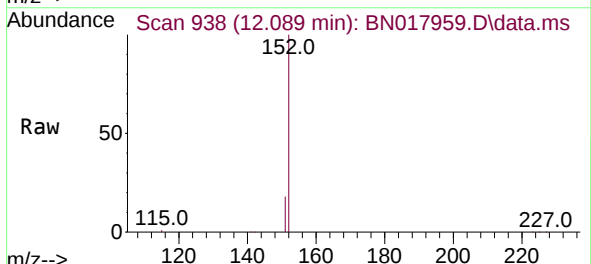
Instrument :
BNA_N
ClientSampleId :
DUP03-20211207

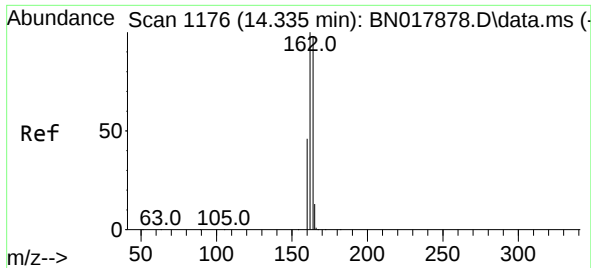
Tgt Ion:128 Resp: 7693
Ion Ratio Lower Upper
128 100
129 13.6 8.8 13.2#
127 15.0 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.237 ng
RT: 12.089 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion:152 Resp: 50716
Ion Ratio Lower Upper
152 100
151 19.8 16.4 24.6

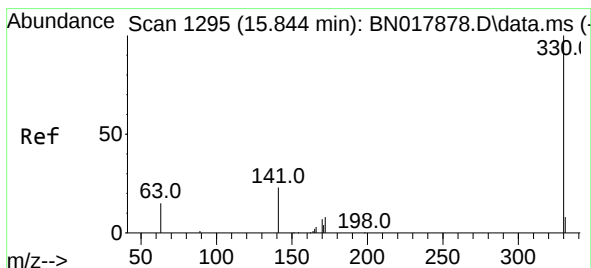
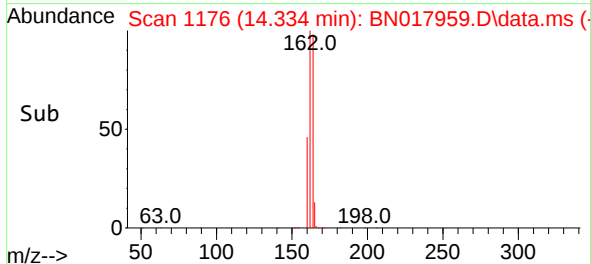
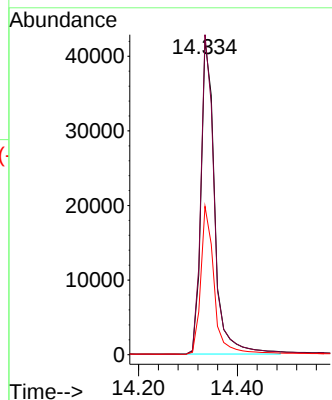
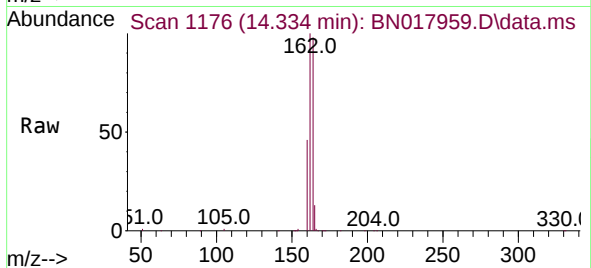




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

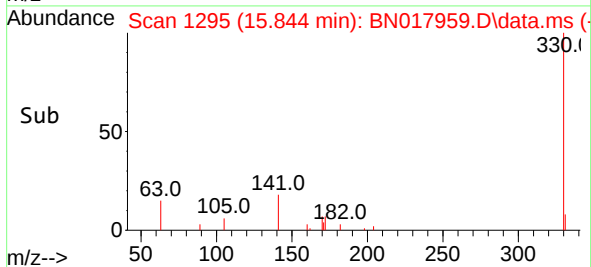
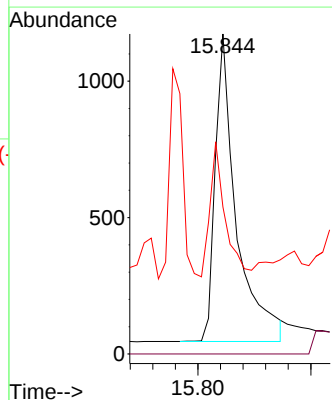
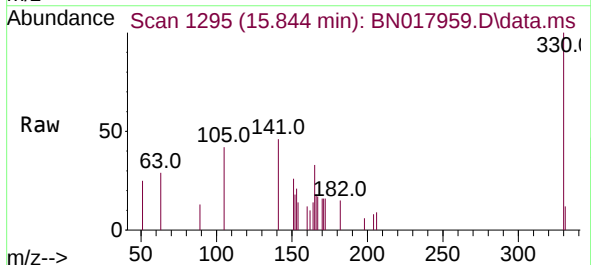
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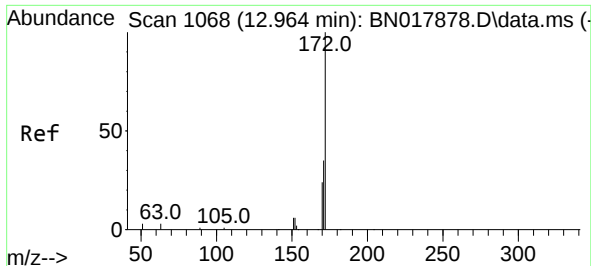
Tgt Ion:164 Resp: 81525
Ion Ratio Lower Upper
164 100
162 101.7 82.1 123.1
160 47.1 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.398 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion:330 Resp: 2913
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 31.6 19.7 29.5#

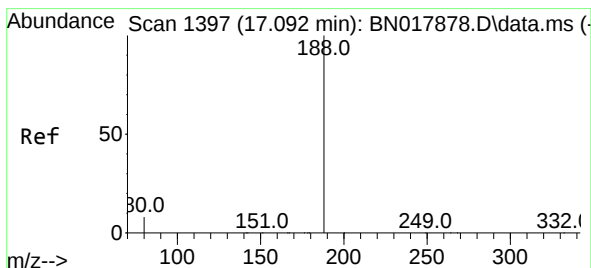
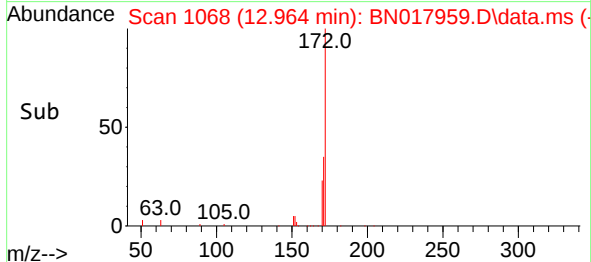
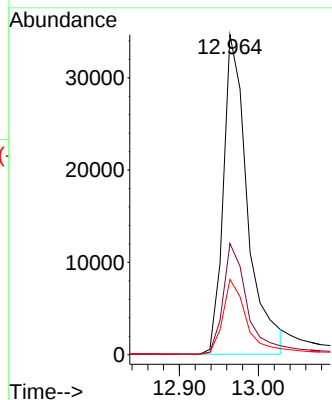
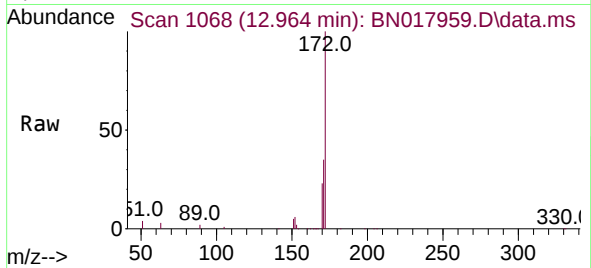




#15
2-Fluorobiphenyl
Concen: 0.256 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

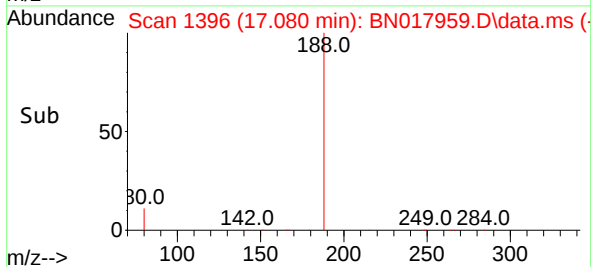
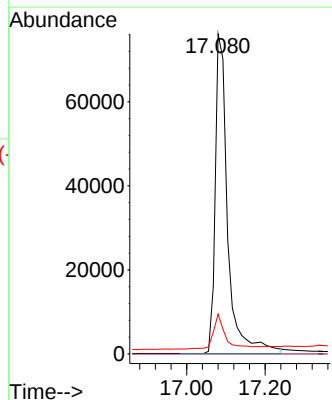
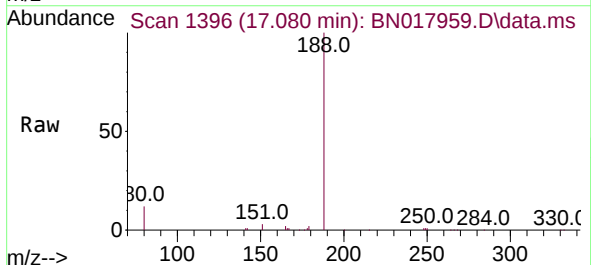
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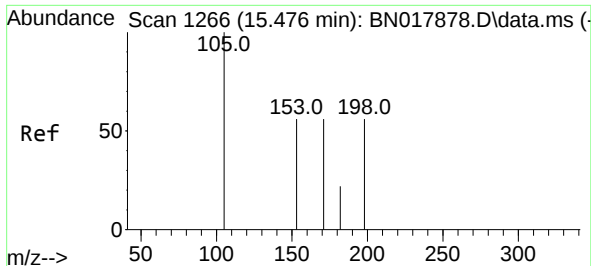
Tgt Ion:172	Resp:	73575
Ion Ratio	Lower	Upper
172	100	
171	34.7	28.3 42.5
170	23.5	19.1 28.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion:188	Resp:	166429
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0 0.0
80	12.4	6.2 9.2#

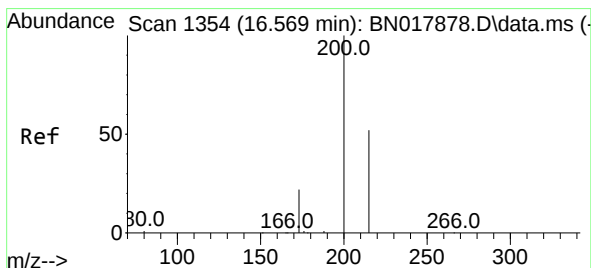
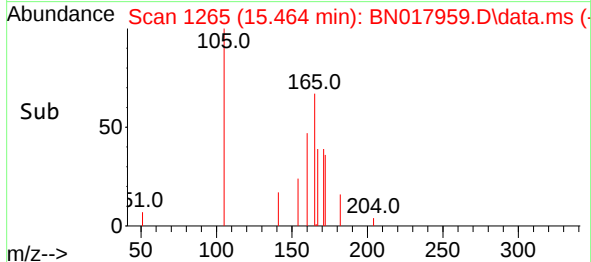
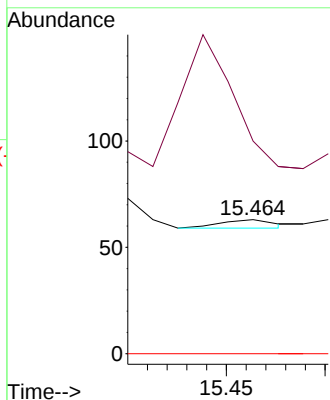
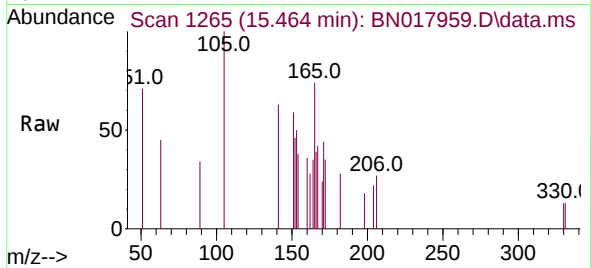




#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.464 min Scan# 11
Delta R.T. -0.013 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

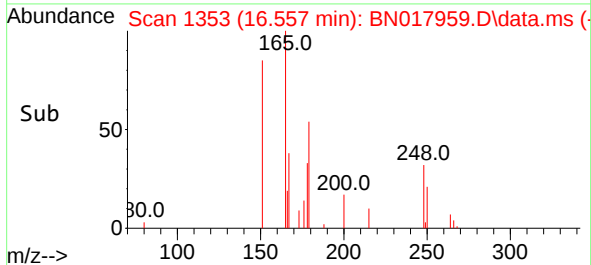
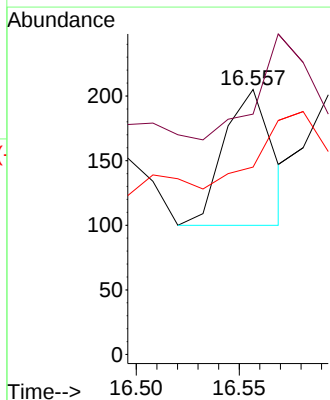
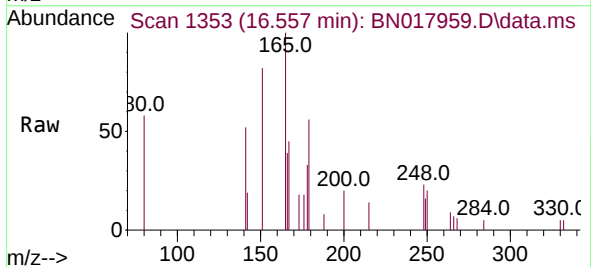
Instrument :
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ClientSampleId :
DUP03-20211207

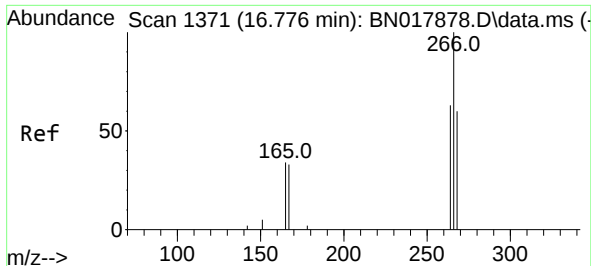
Tgt Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
182 158.7 70.8 106.2#
77 0.0 0.0 0.0



#23
Atrazine
Concen: 0.093 ng
RT: 16.557 min Scan# 1353
Delta R.T. -0.012 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

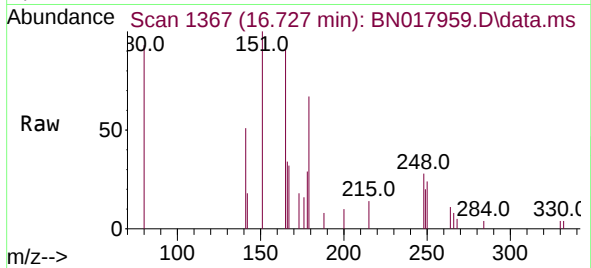
Tgt Ion:200 Resp: 174
Ion Ratio Lower Upper
200 100
173 90.7 18.2 27.2#
215 70.7 41.8 62.8#



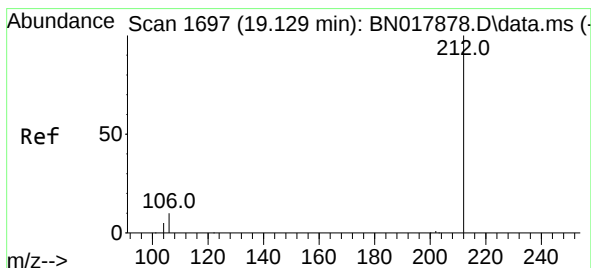
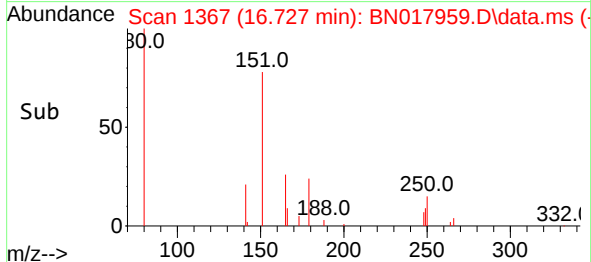
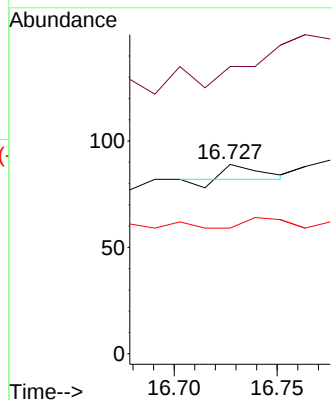


#24
 Pentachlorophenol
 Concen: 0.084 ng
 RT: 16.727 min Scan# 1367
 Delta R.T. -0.049 min
 Lab File: BN017959.D
 Acq: 13 Dec 2021 04:07

Instrument :
 BNA_N
 ClientSampleId :
 DUP03-20211207

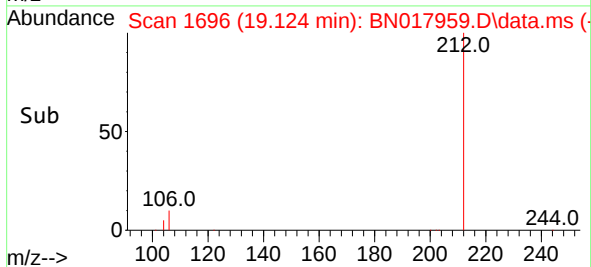
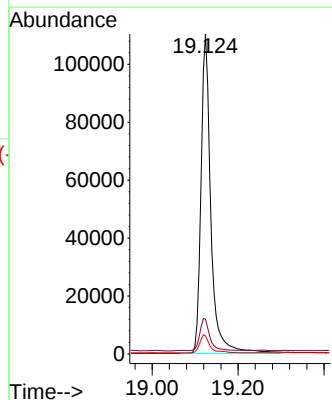
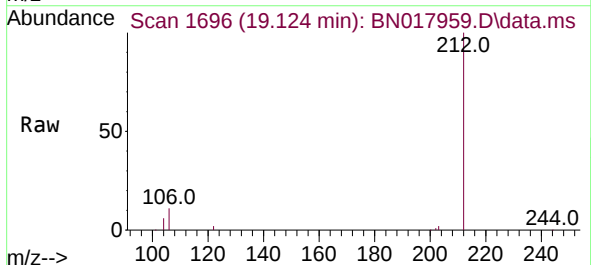


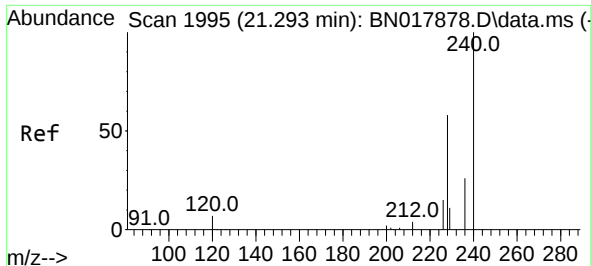
Tgt Ion:	266	Resp:	7
Ion Ratio	Lower	Upper	
266	100		
264	0.0	50.6	76.0#
268	100.0	53.7	80.5#



#27
 Fluoranthene-d10
 Concen: 0.326 ng
 RT: 19.124 min Scan# 1696
 Delta R.T. -0.005 min
 Lab File: BN017959.D
 Acq: 13 Dec 2021 04:07

Tgt Ion:	212	Resp:	175694
Ion Ratio	Lower	Upper	
212	100		
106	10.1	8.3	12.5
104	5.9	4.6	6.8

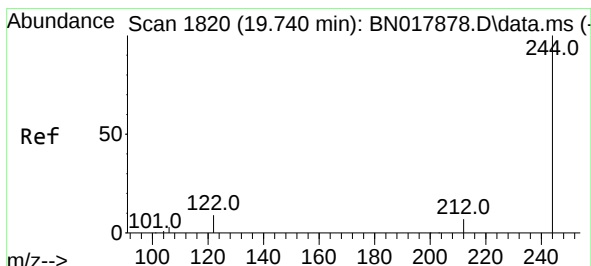
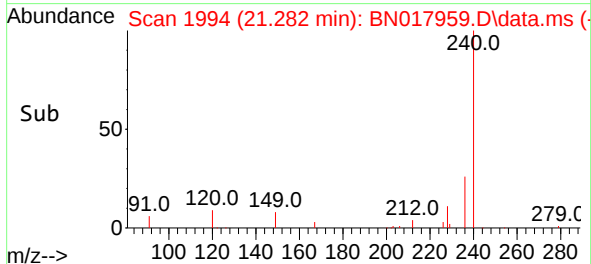
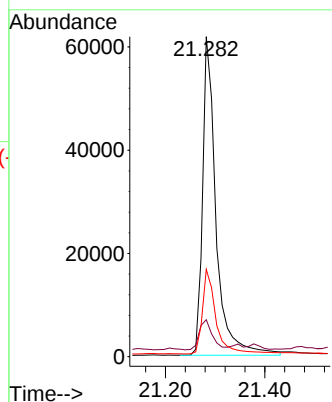
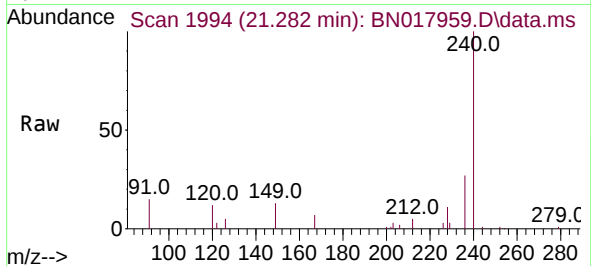




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

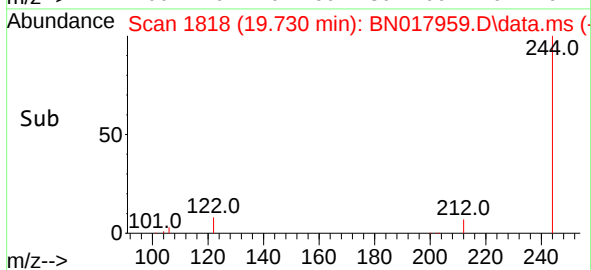
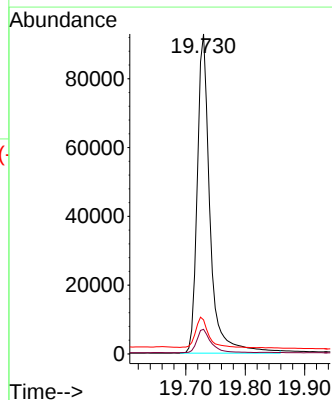
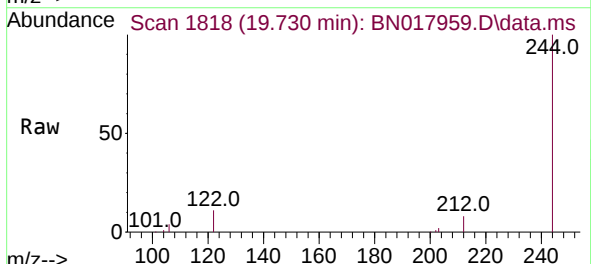
Instrument :
BNA_N
ClientSampleId :
DUP03-20211207

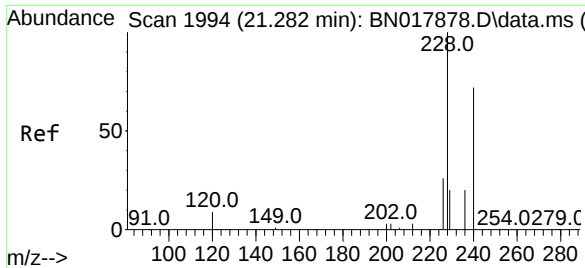
Tgt Ion:240 Resp: 116043
Ion Ratio Lower Upper
240 100
120 11.5 5.8 8.8#
236 27.2 21.0 31.6



#31
Terphenyl-d14
Concen: 0.483 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion:244 Resp: 138088
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 10.7 7.5 11.3

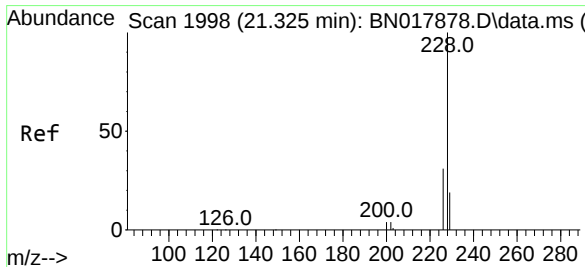
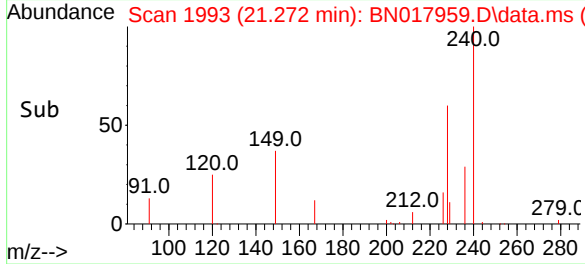
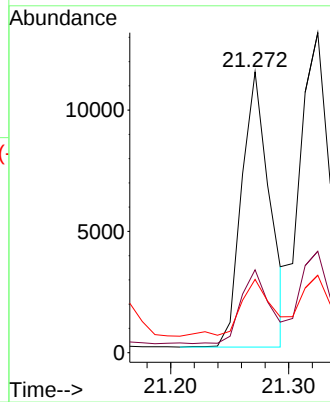
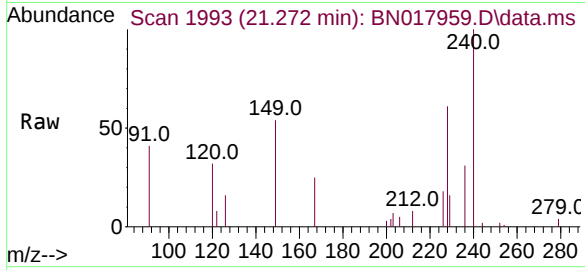




#32
Benzo(a)anthracene
Concen: 0.101 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

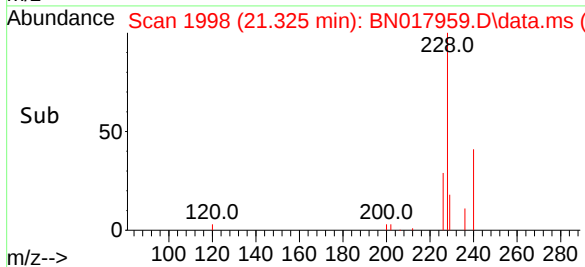
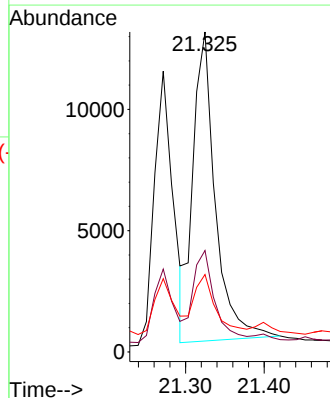
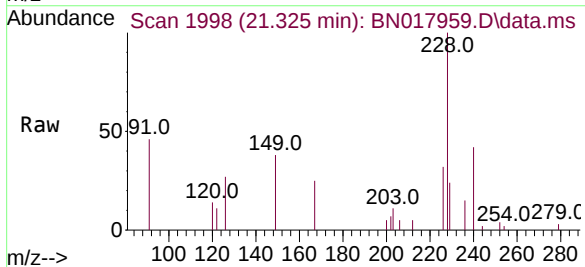
Instrument :
BNA_N
ClientSampleId :
DUP03-20211207

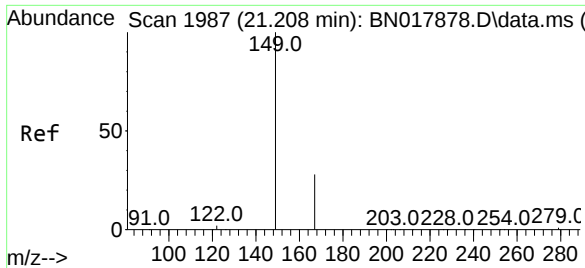
Tgt Ion:228 Resp: 18854
Ion Ratio Lower Upper
228 100
226 29.5 21.0 31.4
229 26.1 15.8 23.8#



#33
Chrysene
Concen: 0.066 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion:228 Resp: 24995
Ion Ratio Lower Upper
228 100
226 31.7 23.8 35.8
229 24.2 15.6 23.4#

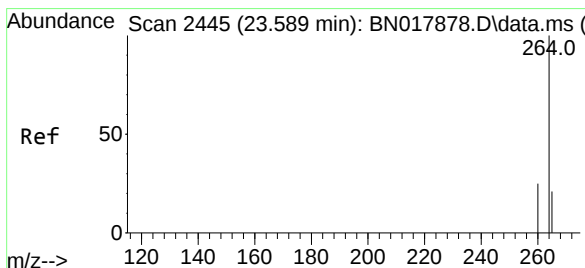
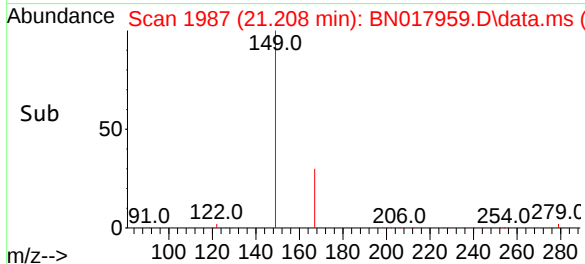
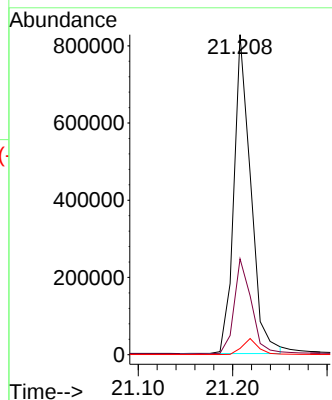
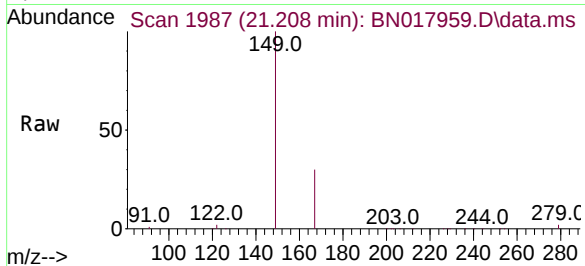




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 8.234 ng
 RT: 21.208 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: BN017959.D
 Acq: 13 Dec 2021 04:07

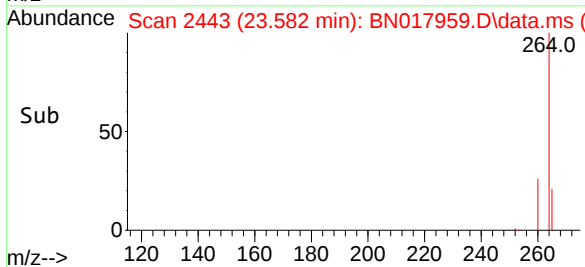
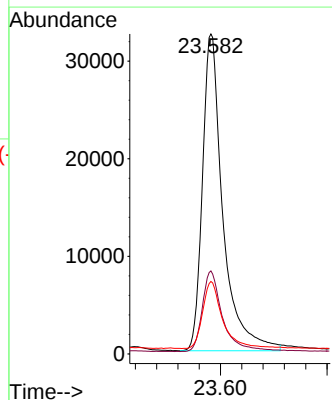
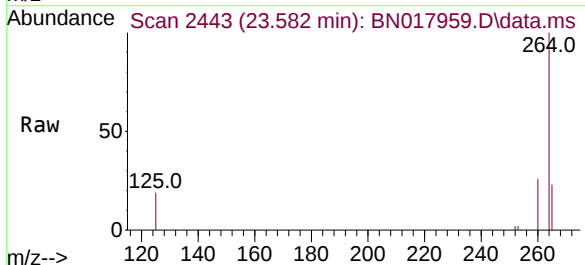
Instrument :
 BNA_N
 ClientSampleId :
 DUP03-20211207

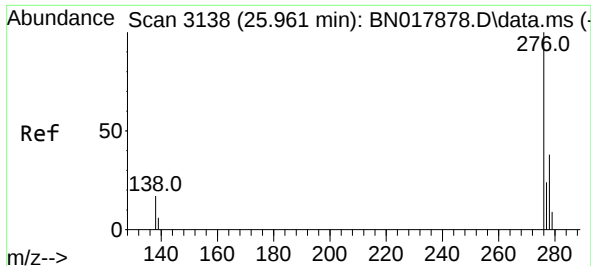
Tgt Ion:149 Resp: 1025772
 Ion Ratio Lower Upper
 149 100
 167 30.3 23.4 35.0
 279 4.8 3.6 5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.582 min Scan# 2443
 Delta R.T. -0.007 min
 Lab File: BN017959.D
 Acq: 13 Dec 2021 04:07

Tgt Ion:264 Resp: 86556
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.2 30.4
 265 22.7 18.2 27.4

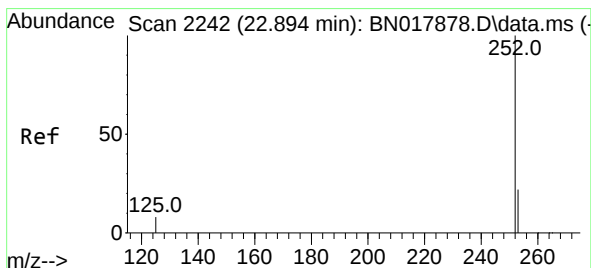
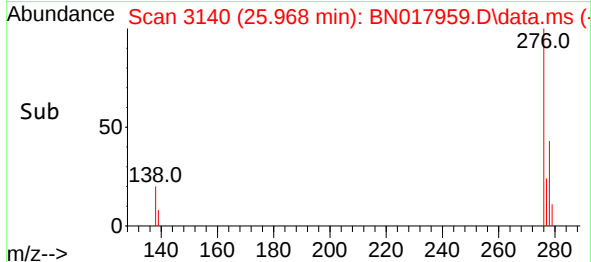
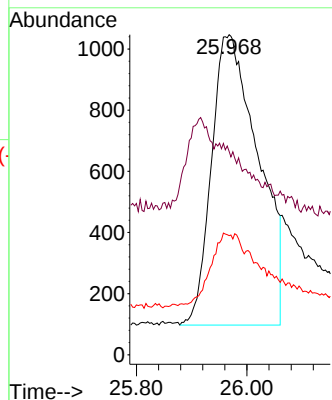
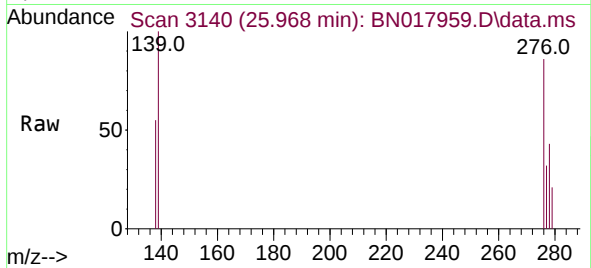




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.119 ng
 RT: 25.968 min Scan# 3138
 Delta R.T. 0.007 min
 Lab File: BN017959.D
 Acq: 13 Dec 2021 04:07

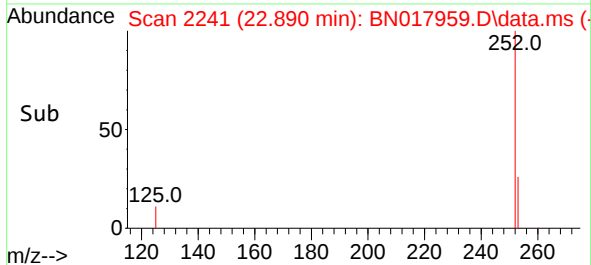
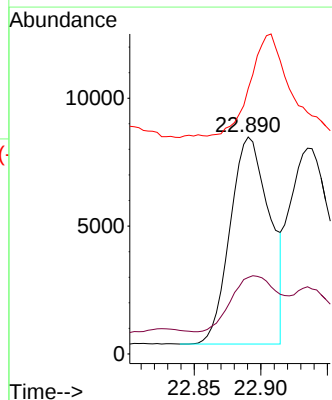
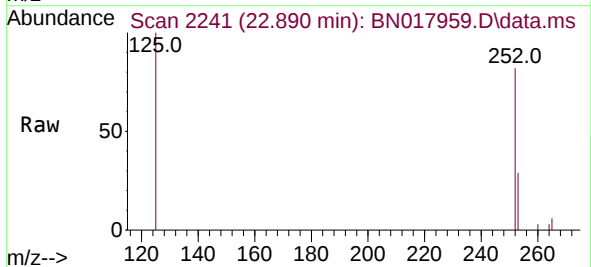
Instrument :
 BNA_N
 ClientSampleId :
 DUP03-20211207

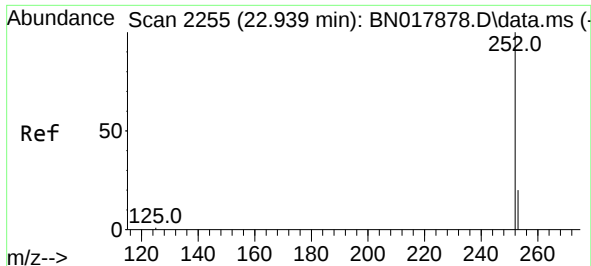
Tgt Ion:276 Resp: 5595
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 10.9 19.8 29.6#



#37
 Benzo(b)fluoranthene
 Concen: 0.059 ng
 RT: 22.890 min Scan# 2241
 Delta R.T. -0.003 min
 Lab File: BN017959.D
 Acq: 13 Dec 2021 04:07

Tgt Ion:252 Resp: 16783
 Ion Ratio Lower Upper
 252 100
 253 35.2 17.9 26.9#
 125 122.3 6.8 10.2#

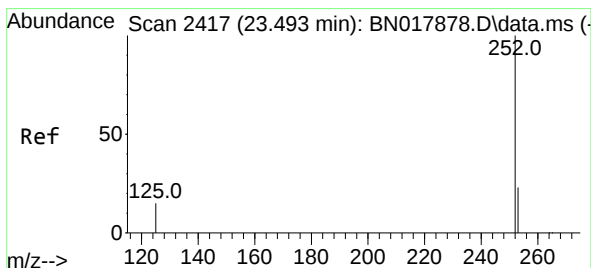
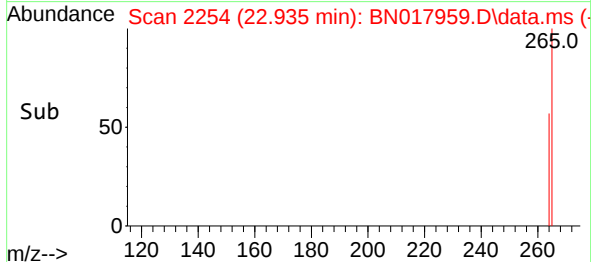
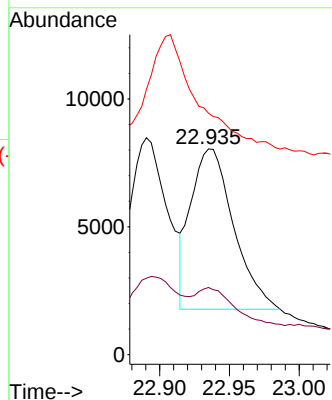
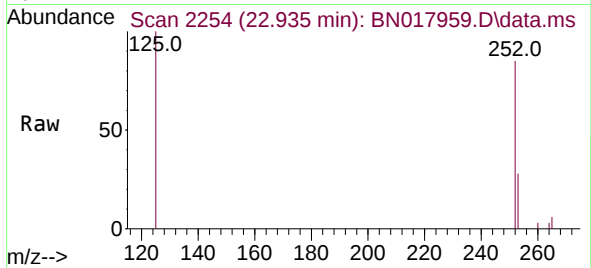




#38
Benzo(k)fluoranthene
Concen: 0.048 ng
RT: 22.935 min Scan# 21
Delta R.T. -0.004 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

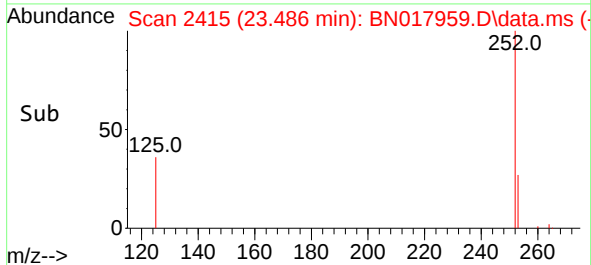
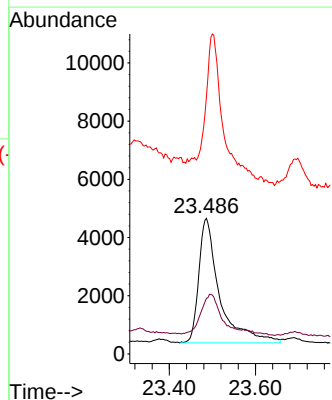
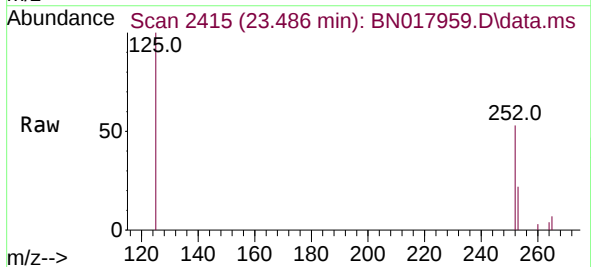
Instrument :
BNA_N
ClientSampleId :
DUP03-20211207

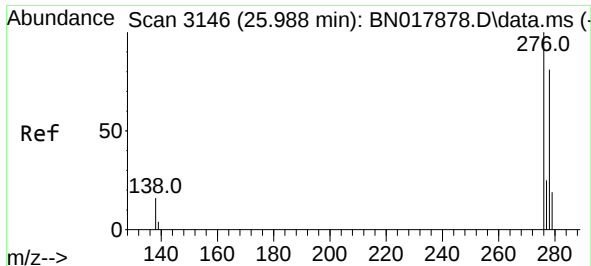
Tgt Ion:252 Resp: 13347
Ion Ratio Lower Upper
252 100
253 32.7 17.8 26.6#
125 117.3 6.1 9.1#



#39
Benzo(a)pyrene
Concen: 0.057 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion:252 Resp: 14378
Ion Ratio Lower Upper
252 100
253 41.1 18.8 28.2#
125 189.5 12.2 18.2#

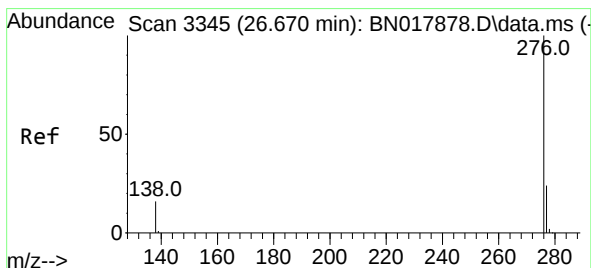
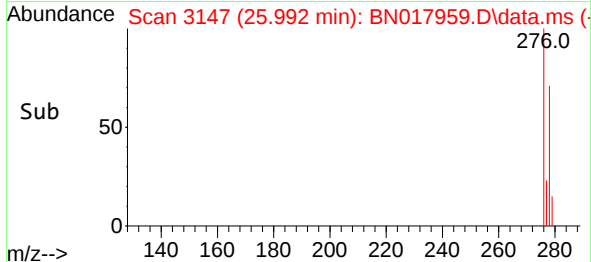
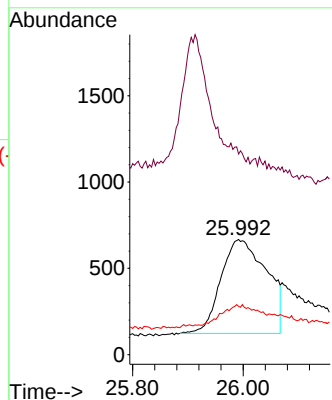
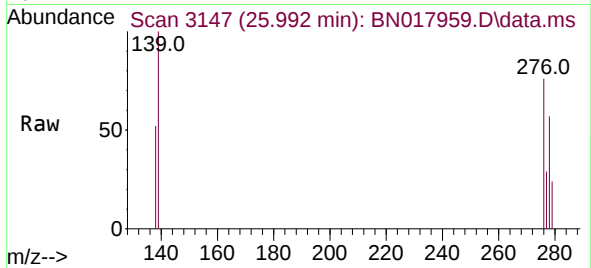




#40
Dibenzo(a,h)anthracene
Concen: 0.126 ng
RT: 25.992 min Scan# 3147
Delta R.T. 0.004 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Instrument :
BNA_N
ClientSampleId :
DUP03-20211207

Tgt Ion:278 Resp: 3125
Ion Ratio Lower Upper
278 100
139 174.2 12.0 18.0#
279 42.0 20.8 31.2#



#41
Benzo(g,h,i)perylene
Concen: 0.052 ng
RT: 26.673 min Scan# 3346
Delta R.T. 0.003 min
Lab File: BN017959.D
Acq: 13 Dec 2021 04:07

Tgt Ion:276 Resp: 7190
Ion Ratio Lower Upper
276 100
277 32.2 19.6 29.4#
138 42.3 13.8 20.8#

