

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017943.D
 Acq On : 12 Dec 2021 16:41
 Operator : CG/JU
 Sample : M4988-04
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE109D3-20211207

Quant Time: Dec 13 00:40:43 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)

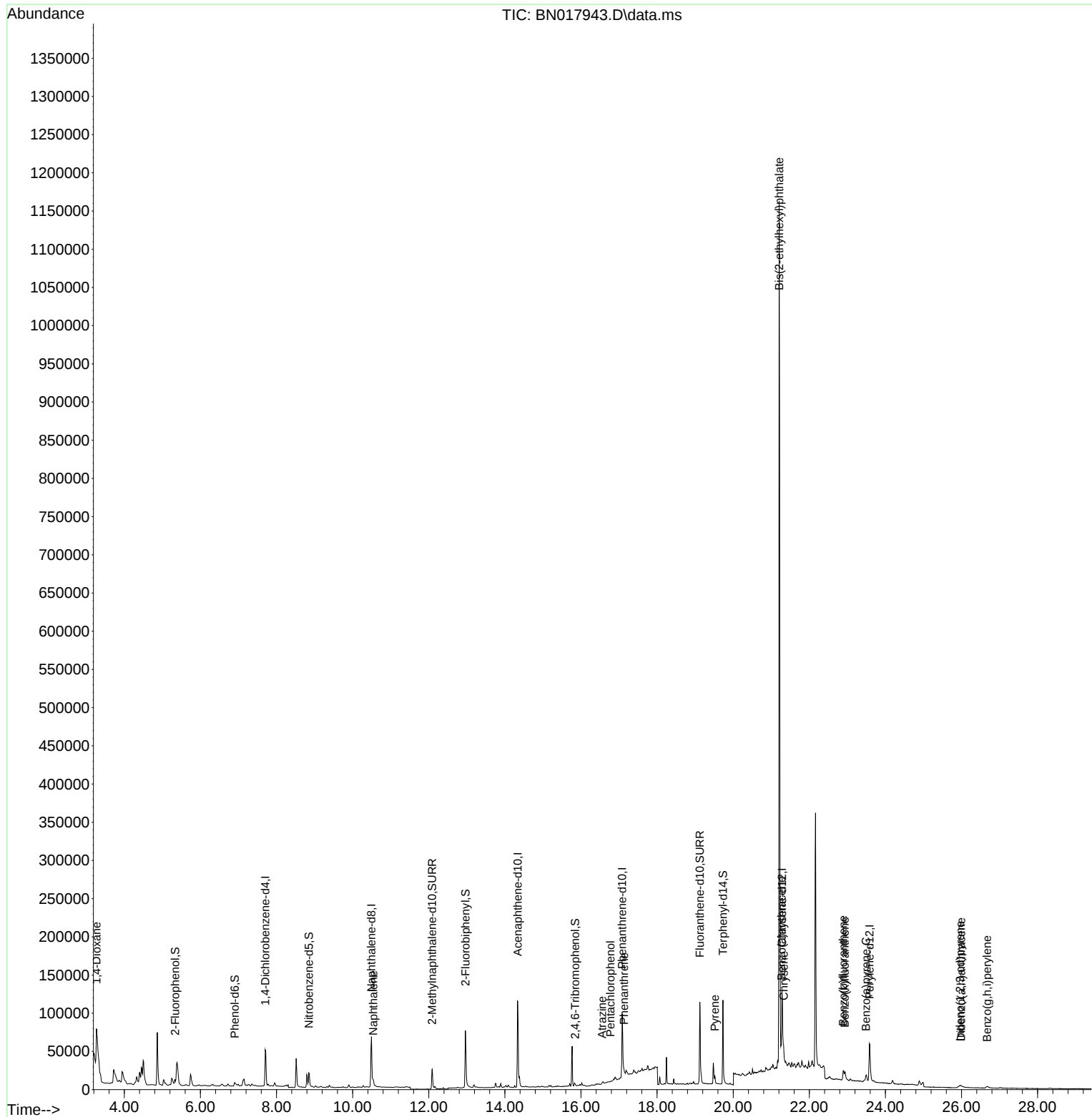
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	27777	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	111082	0.400	ng	0.00
13) Acenaphthene-d10	14.334	164	75792	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	144712	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	110467	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	87147	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.336	112	7853	0.137	ng	0.00
5) Phenol-d6	6.903	99	4477	0.079	ng	0.00
8) Nitrobenzene-d5	8.846	82	20232	0.279	ng	-0.01
11) 2-Methylnaphthalene-d10	12.090	152	47958	0.246	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	3319	0.413	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	77874	0.292	ng	0.00
27) Fluoranthene-d10	19.124	212	146230	0.312	ng	0.00
31) Terphenyl-d14	19.730	244	132026	0.485	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.270	88	50049	5.937	ng	93
9) Naphthalene	10.545	128	9618	0.035	ng	# 95
20) 4,6-Dinitro-2-methylph...	15.464	198	14	Below Cal	#	14
23) Atrazine	16.557	200	340	0.096	ng	# 15
24) Pentachlorophenol	16.776	266	55	0.108	ng	# 17
25) Phenanthrene	17.129	178	8136	0.022	ng	# 57
30) Pyrene	19.516	202	9417	0.022	ng	99
32) Benzo(a)anthracene	21.272	228	20179	0.107	ng	# 89
33) Chrysene	21.325	228	22223	0.061	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.208	149	1133087	9.554	ng	98
36) Indeno(1,2,3-cd)pyrene	25.961	276	7213	0.128	ng	# 81
37) Benzo(b)fluoranthene	22.891	252	17107	0.059	ng	# 1
38) Benzo(k)fluoranthene	22.935	252	14952	0.053	ng	# 2
39) Benzo(a)pyrene	23.486	252	15015	0.059	ng	# 1
40) Dibenzo(a,h)anthracene	25.988	278	4686	0.138	ng	# 1
41) Benzo(g,h,i)perylene	26.673	276	8309	0.060	ng	# 65

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

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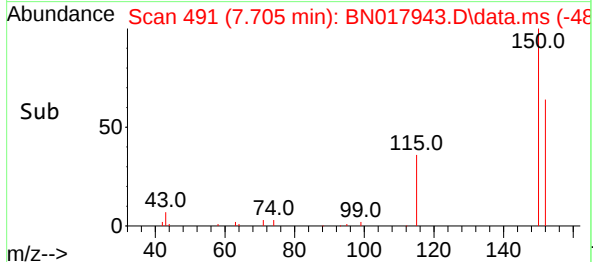
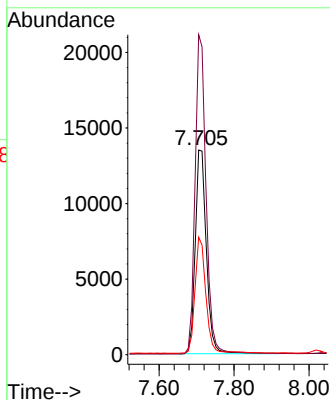
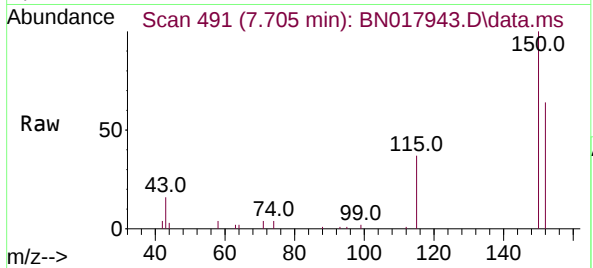




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.705 min Scan# 49
 Delta R.T. -0.010 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

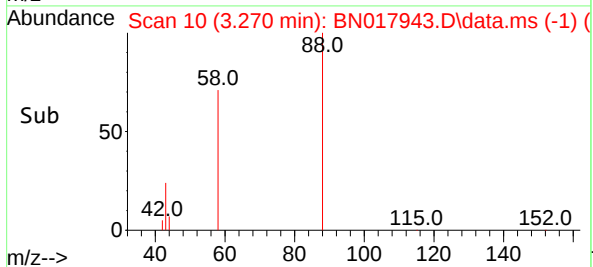
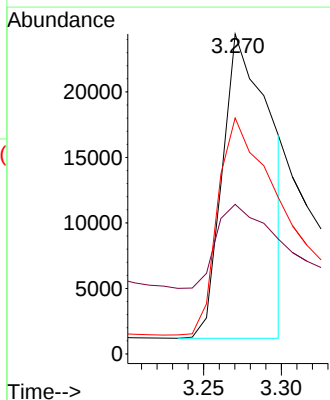
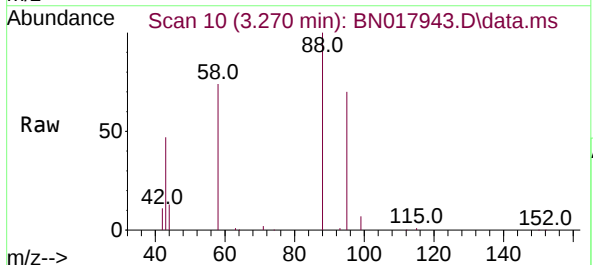
Instrument :
 BNA_N
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 RE109D3-20211207

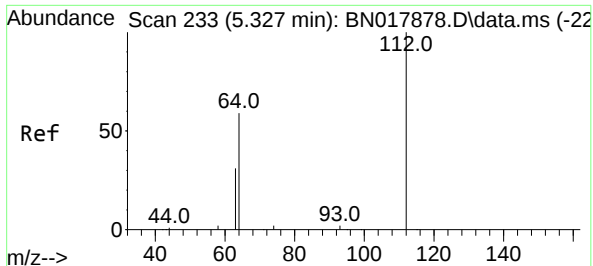
Tgt Ion:152 Resp: 27777
 Ion Ratio Lower Upper
 152 100
 150 156.4 121.9 182.9
 115 57.4 44.1 66.1



#2
 1,4-Dioxane
 Concen: 5.937 ng
 RT: 3.270 min Scan# 10
 Delta R.T. -0.000 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

Tgt Ion: 88 Resp: 50049
 Ion Ratio Lower Upper
 88 100
 43 29.9 28.0 42.0
 58 76.0 65.4 98.0

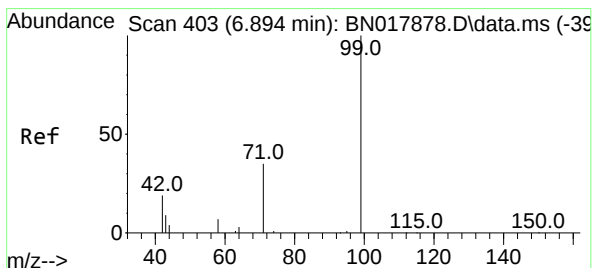
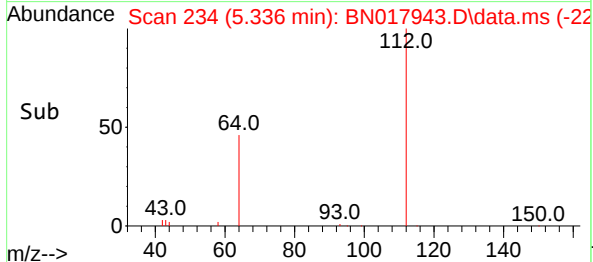
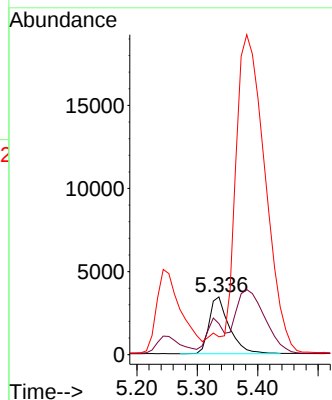
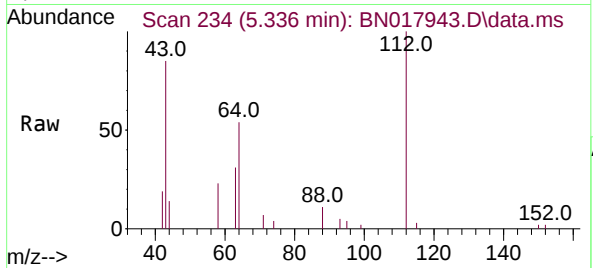




#4
2-Fluorophenol
Concen: 0.137 ng
RT: 5.336 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

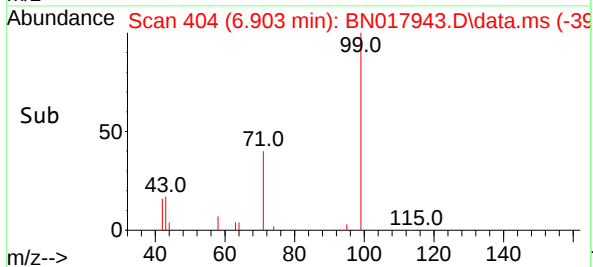
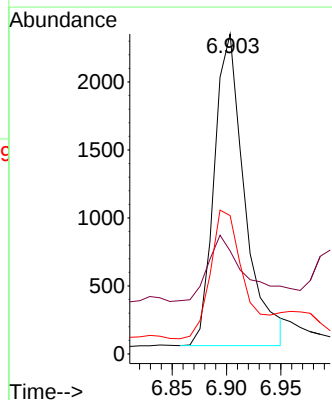
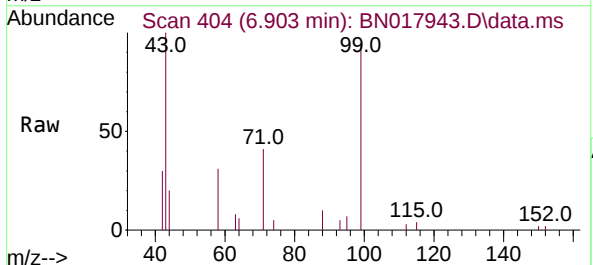
Instrument :
BNA_N
ClientSampleId :
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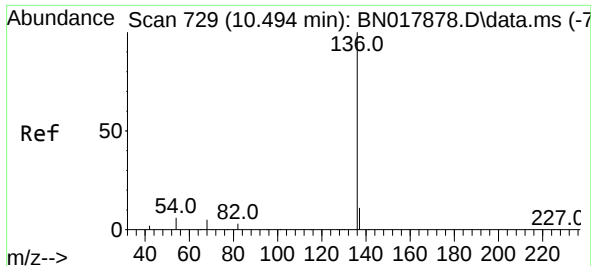
Tgt Ion:112 Resp: 7853
Ion Ratio Lower Upper
112 100
64 40.2 49.0 73.4#
63 0.0 26.2 39.2#



#5
Phenol-d6
Concen: 0.079 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

Tgt Ion: 99 Resp: 4477
Ion Ratio Lower Upper
99 100
42 24.1 17.0 25.4
71 45.1 28.0 42.0#

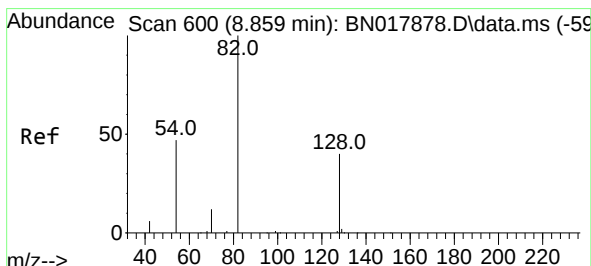
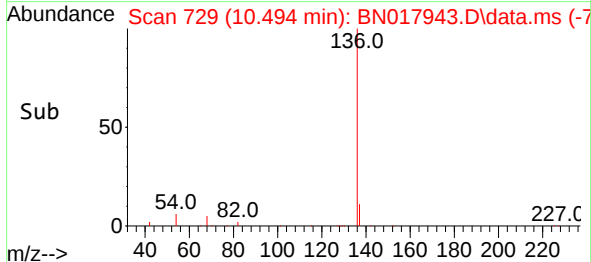
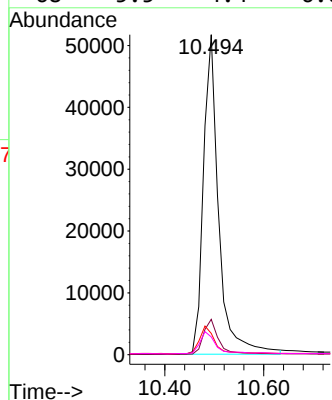
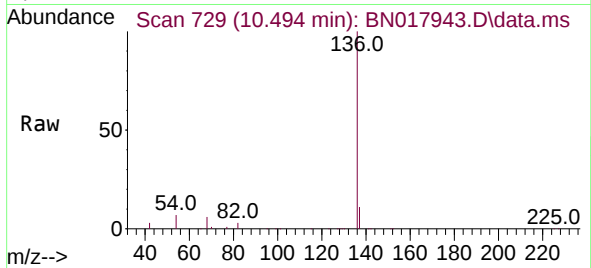




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

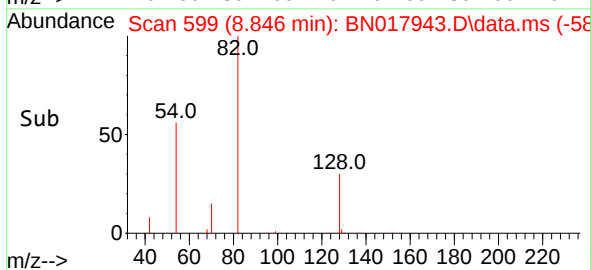
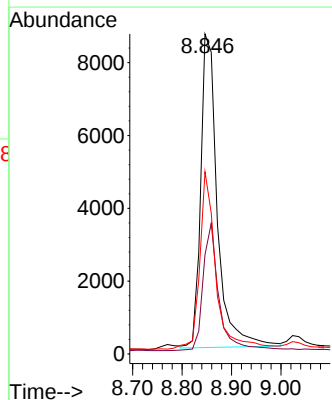
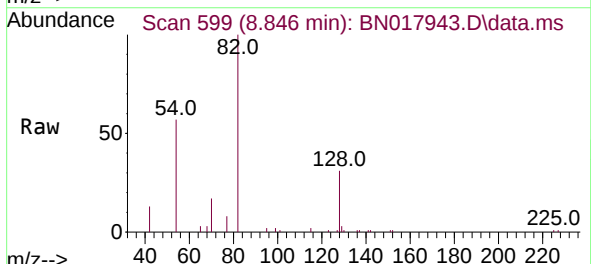
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207

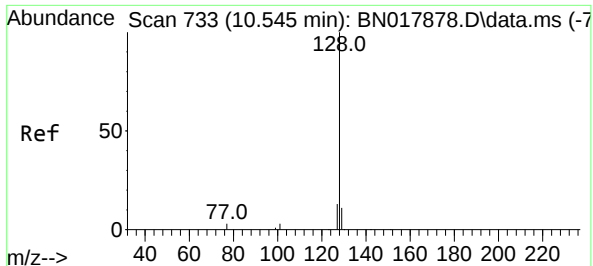
Tgt Ion:136 Resp: 111082
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.7 5.1 7.7
68 5.5 4.4 6.6



#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

Tgt Ion: 82 Resp: 20232
Ion Ratio Lower Upper
82 100
128 31.0 32.2 48.4#
54 56.9 37.6 56.4#

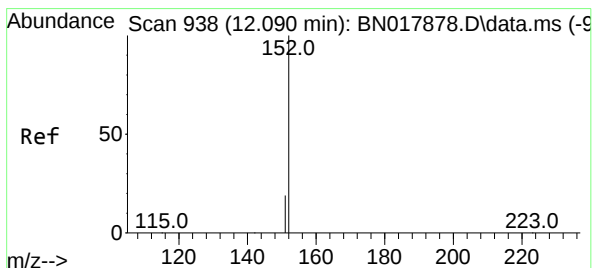
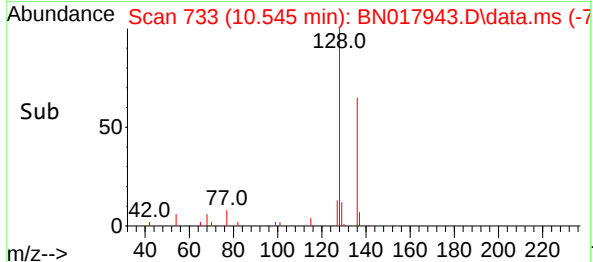
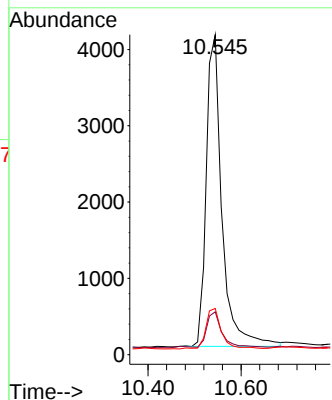
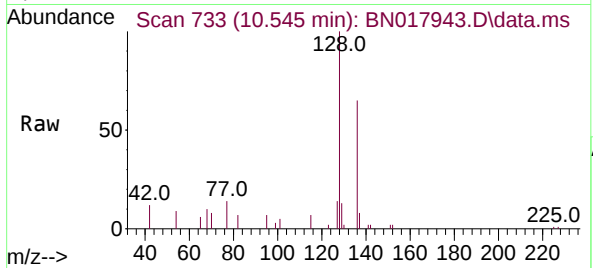




#9
Naphthalene
Concen: 0.035 ng
RT: 10.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

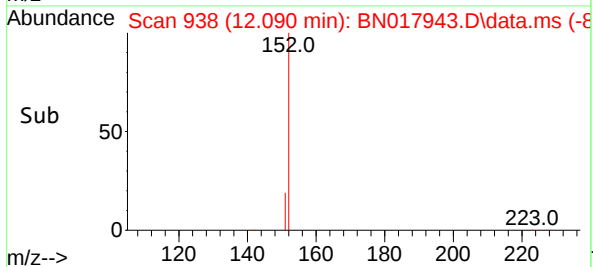
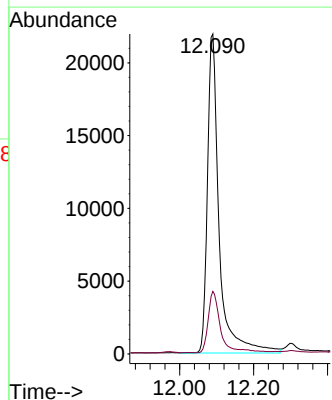
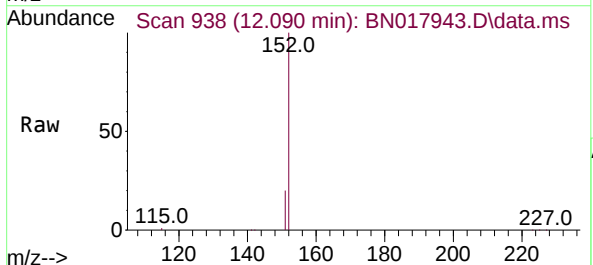
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207

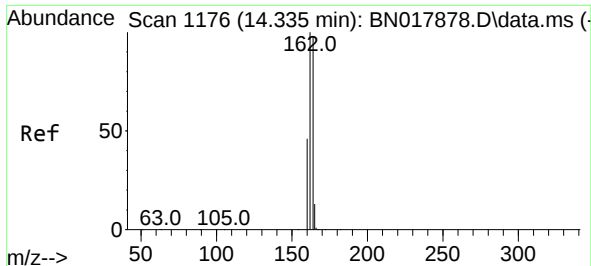
Tgt Ion:128 Resp: 9618
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2#
127 14.4 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.246 ng
RT: 12.090 min Scan# 938
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

Tgt Ion:152 Resp: 47958
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6

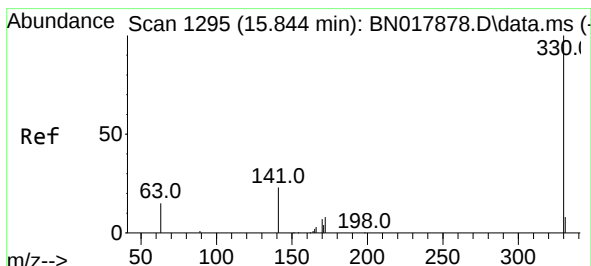
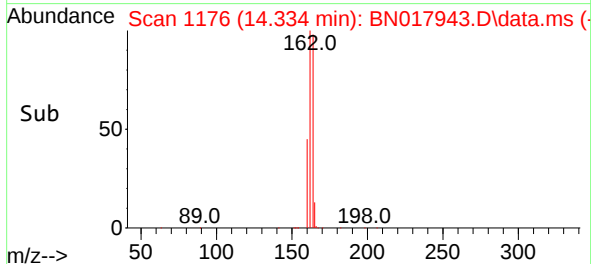
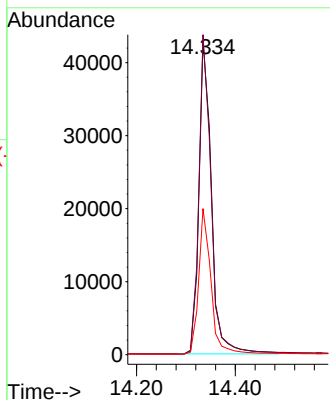
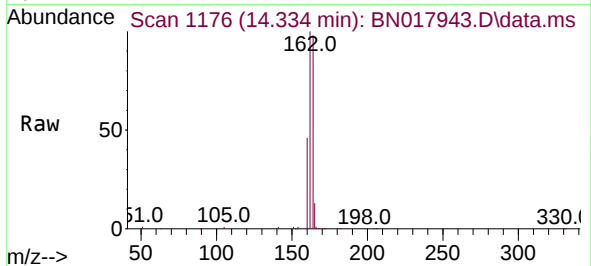




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

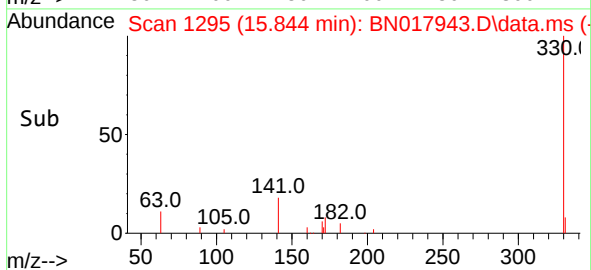
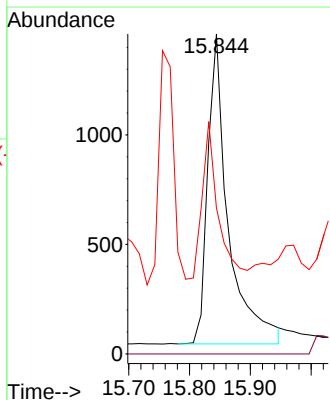
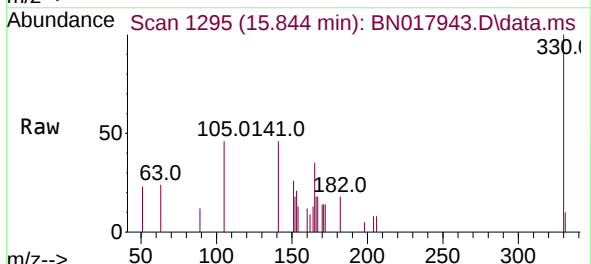
Instrument :
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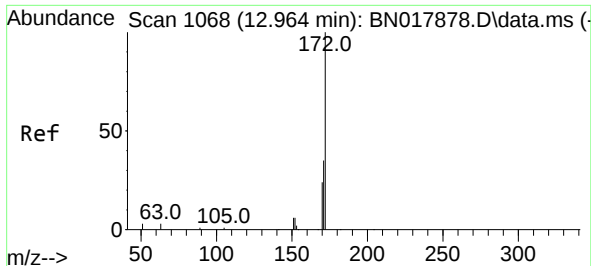
Tgt Ion:164 Resp: 75792
Ion Ratio Lower Upper
164 100
162 101.8 82.1 123.1
160 46.5 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.413 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

Tgt Ion:330 Resp: 3319
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 39.4 19.7 29.5#

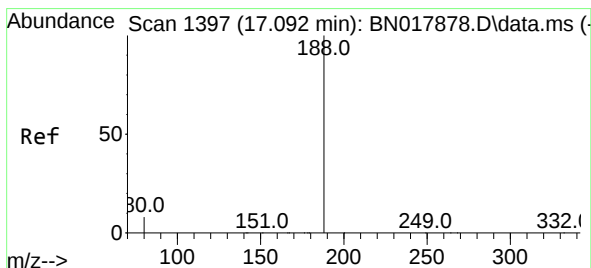
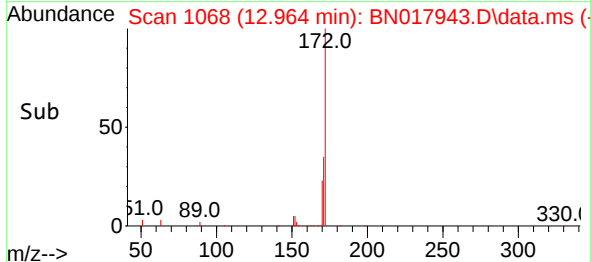
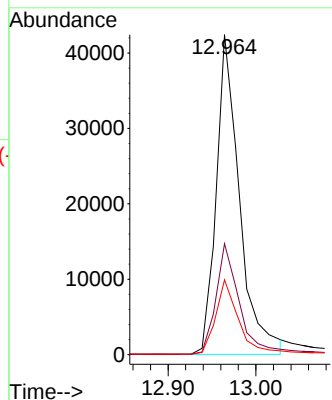
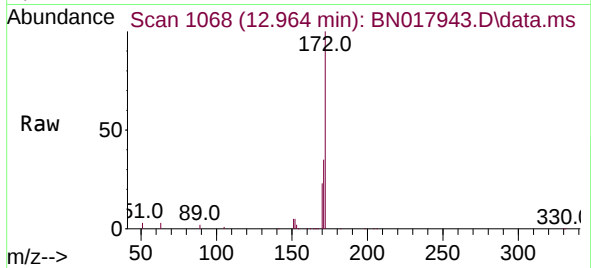




#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 12.964 min Scan# 1068
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

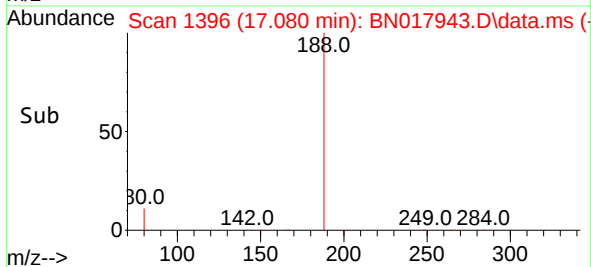
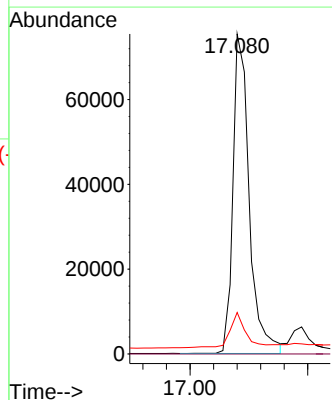
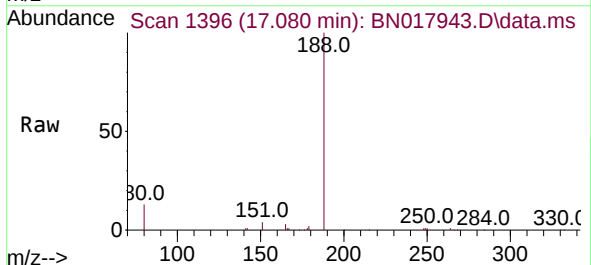
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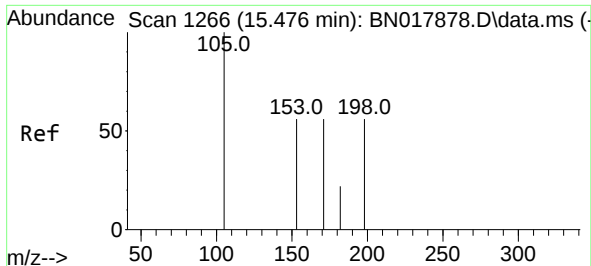
Tgt Ion:172	Resp:	77874
Ion Ratio	Lower	Upper
172	100	
171	34.7	28.3 42.5
170	23.4	19.1 28.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

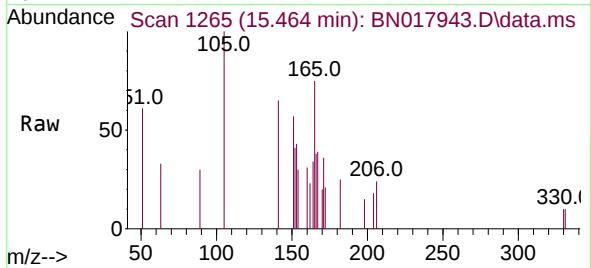
Tgt Ion:188	Resp:	144712
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0 0.0
80	13.0	6.2 9.2#



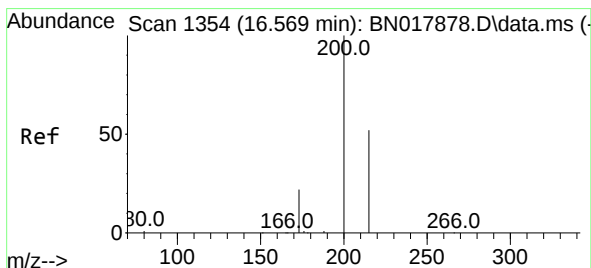
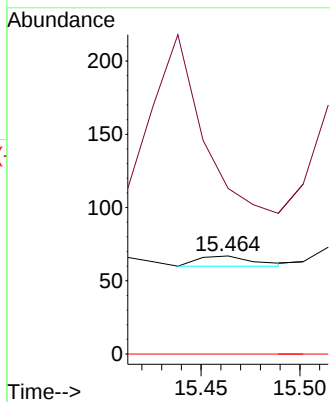
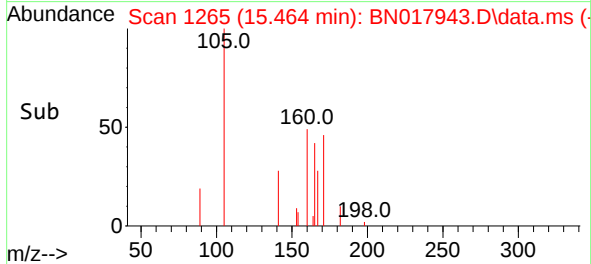


#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.464 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

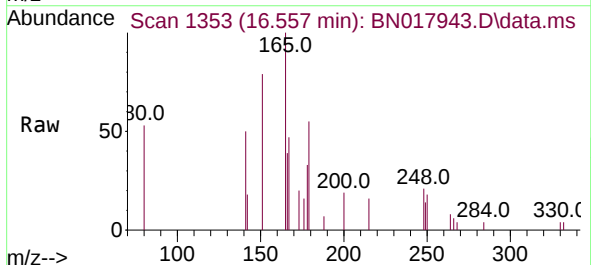
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



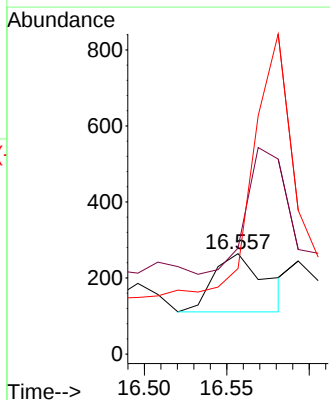
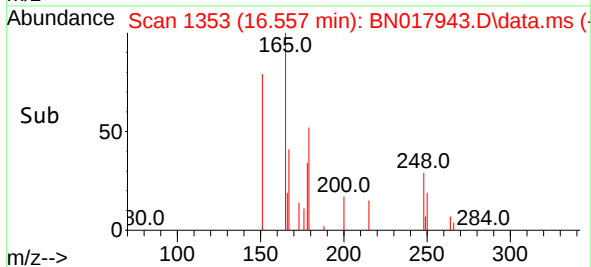
Tgt Ion:198 Resp: 14
Ion Ratio Lower Upper
198 100
182 168.7 70.8 106.2#
77 0.0 0.0 0.0

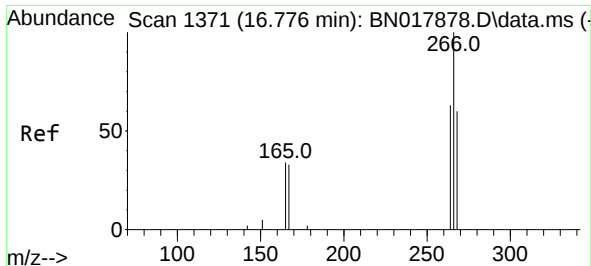


#23
Atrazine
Concen: 0.096 ng
RT: 16.557 min Scan# 1353
Delta R.T. -0.012 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41



Tgt Ion:200 Resp: 340
Ion Ratio Lower Upper
200 100
173 105.7 18.2 27.2#
215 85.2 41.8 62.8#

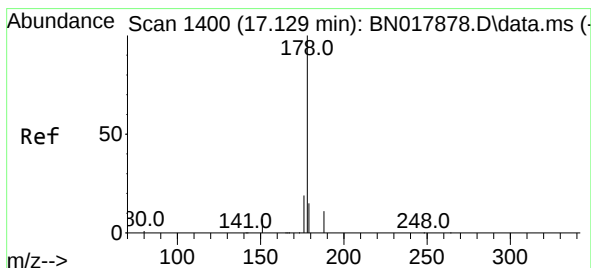
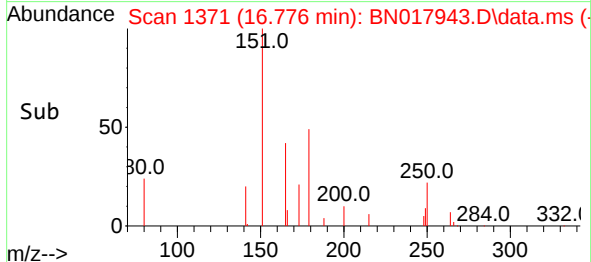
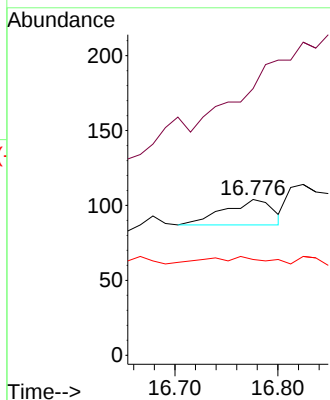
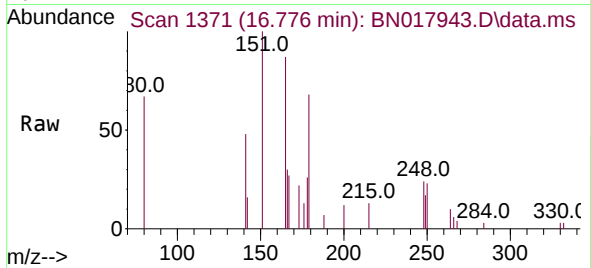




#24
 Pentachlorophenol
 Concen: 0.108 ng
 RT: 16.776 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

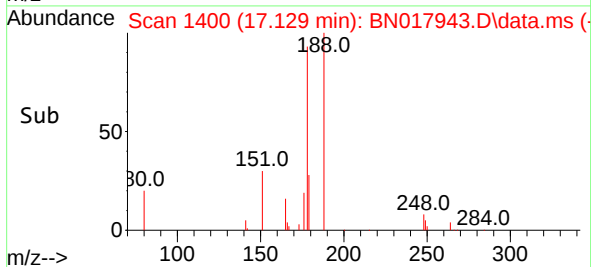
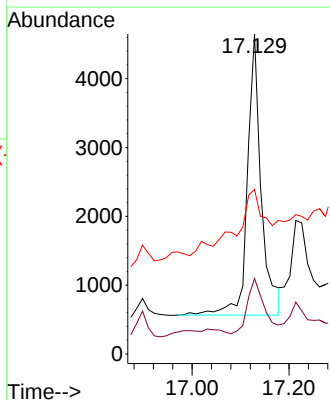
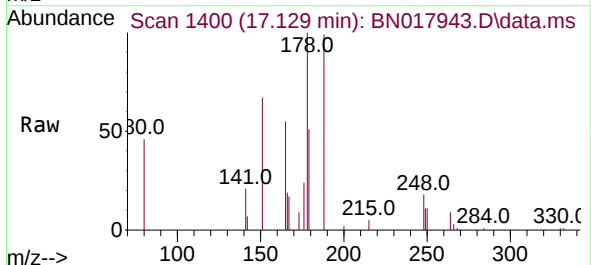
Instrument :
 BNA_N
 ClientSampleId :
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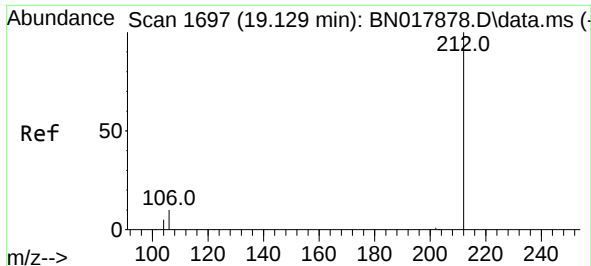
Tgt Ion:266 Resp: 55
 Ion Ratio Lower Upper
 266 100
 264 0.0 50.6 76.0#
 268 0.0 53.7 80.5#



#25
 Phenanthrene
 Concen: 0.022 ng
 RT: 17.129 min Scan# 1400
 Delta R.T. -0.000 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

Tgt Ion:178 Resp: 8136
 Ion Ratio Lower Upper
 178 100
 176 23.9 15.0 22.6#
 179 50.2 12.4 18.6#

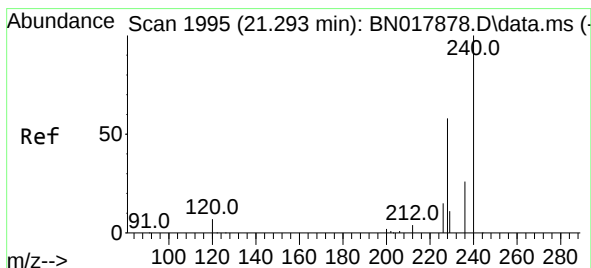
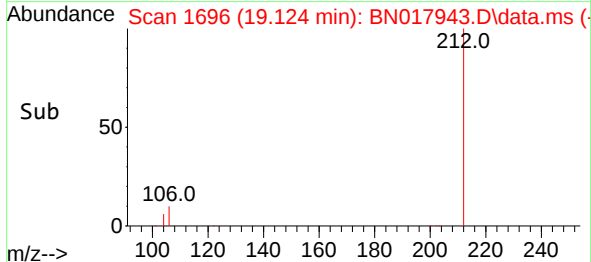
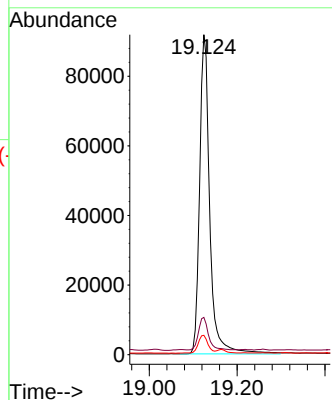
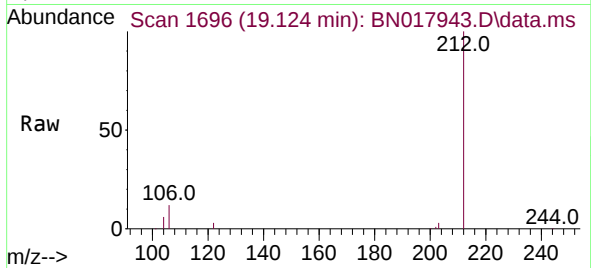




#27
Fluoranthene-d10
Concen: 0.312 ng
RT: 19.124 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

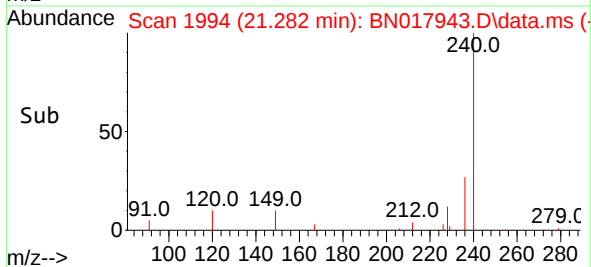
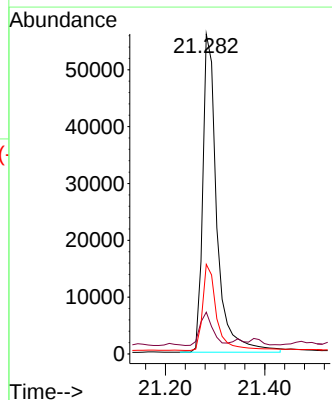
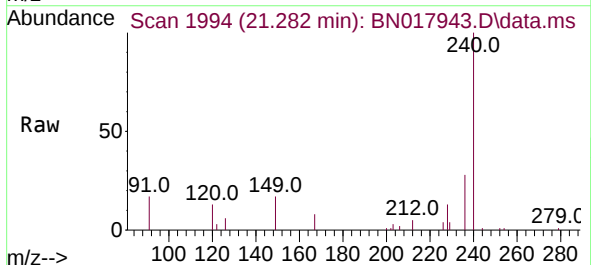
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207

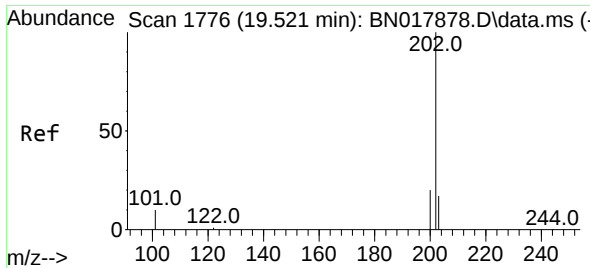
Tgt Ion:212 Resp: 146230
Ion Ratio Lower Upper
212 100
106 10.2 8.3 12.5
104 5.4 4.6 6.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

Tgt Ion:240 Resp: 110467
Ion Ratio Lower Upper
240 100
120 13.1 5.8 8.8#
236 28.0 21.0 31.6

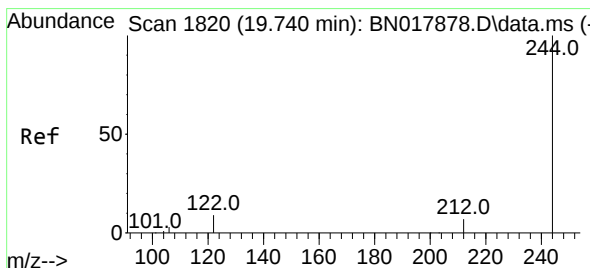
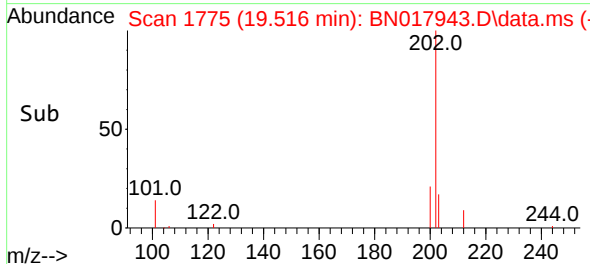
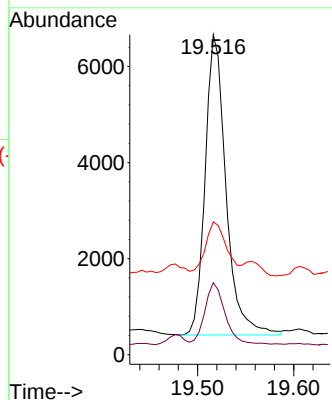
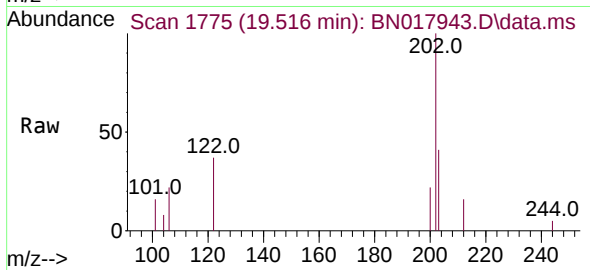




#30
 Pyrene
 Concen: 0.022 ng
 RT: 19.516 min Scan# 11
 Delta R.T. -0.005 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

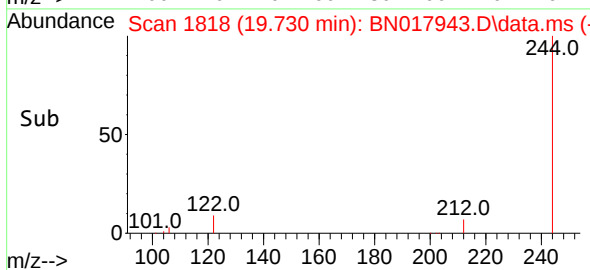
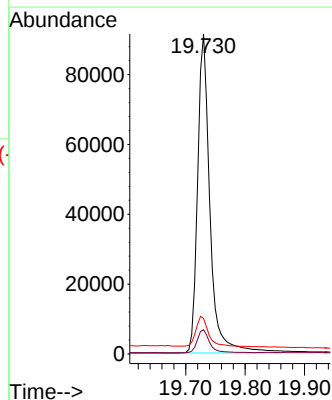
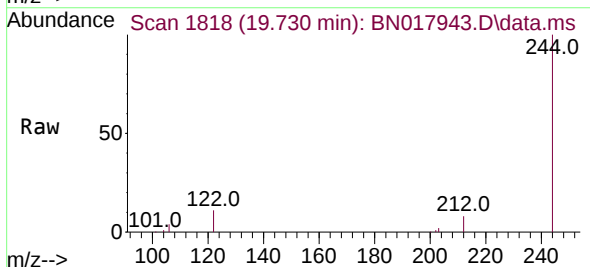
Instrument :
 BNA_N
 ClientSampleId :
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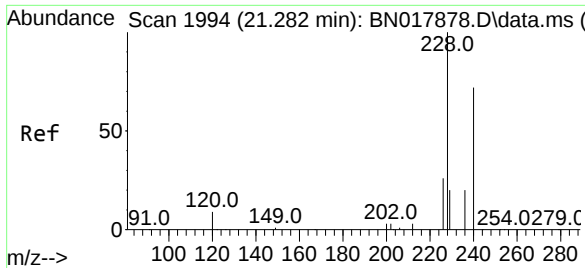
Tgt Ion:202 Resp: 9417
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.5 24.7
 203 18.1 14.0 21.0



#31
 Terphenyl-d14
 Concen: 0.485 ng
 RT: 19.730 min Scan# 1818
 Delta R.T. -0.010 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

Tgt Ion:244 Resp: 132026
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 11.2 7.5 11.3

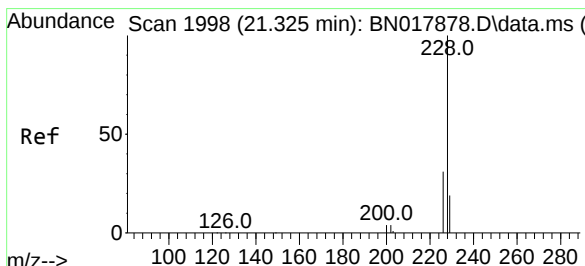
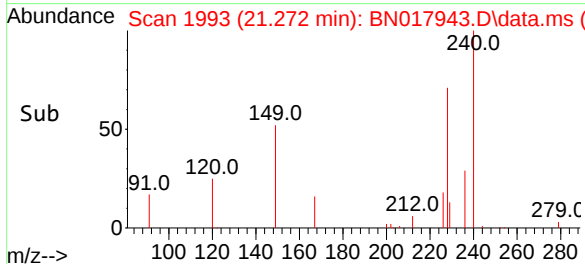
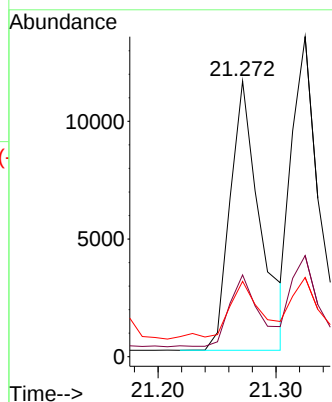
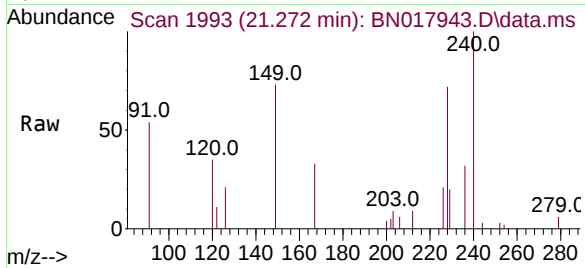




#32
Benzo(a)anthracene
Concen: 0.107 ng
RT: 21.272 min Scan# 1993
Delta R.T. -0.010 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

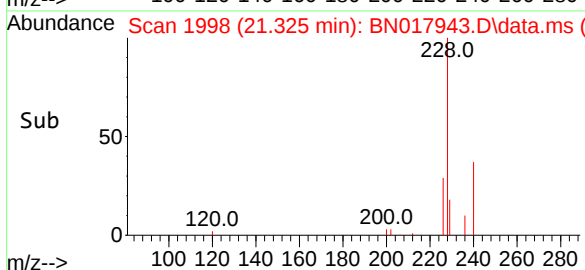
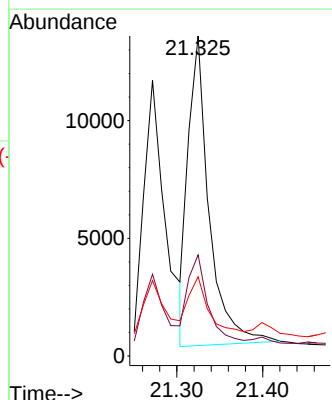
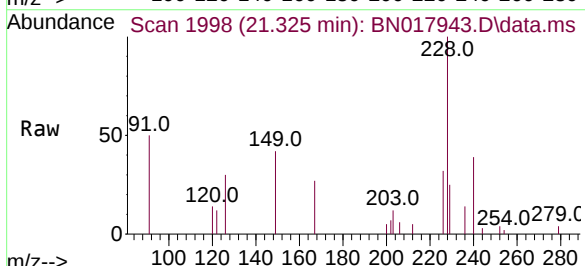
Instrument :
BNA_N
ClientSampleId :
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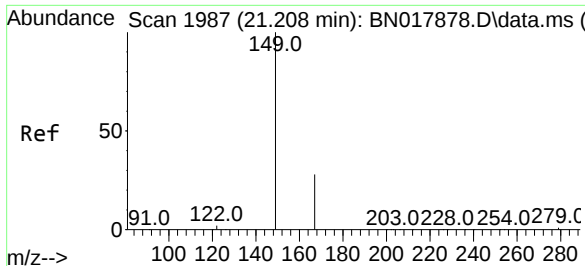
Tgt Ion:228 Resp: 20179
Ion Ratio Lower Upper
228 100
226 29.7 21.0 31.4
229 27.4 15.8 23.8#



#33
Chrysene
Concen: 0.061 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

Tgt Ion:228 Resp: 22223
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.8
229 24.8 15.6 23.4#

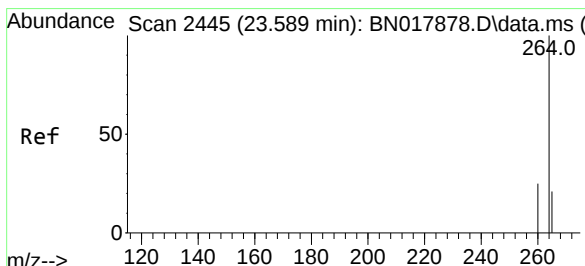
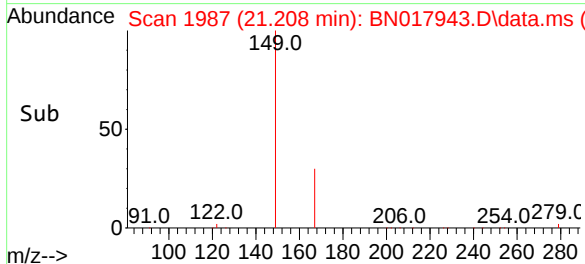
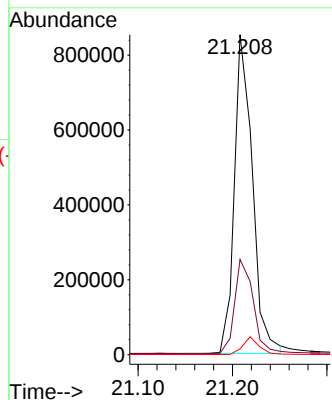
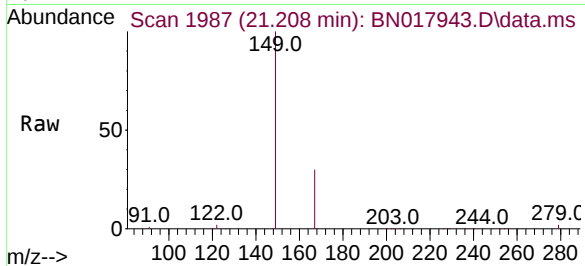




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 9.554 ng
 RT: 21.208 min Scan# 1987
 Delta R.T. -0.000 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

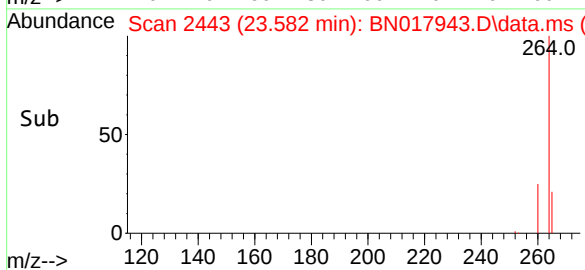
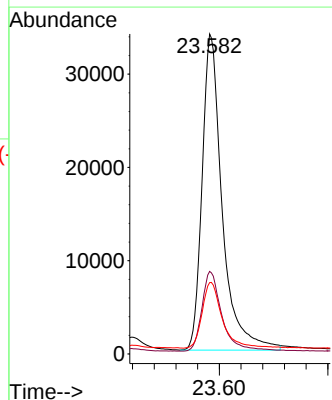
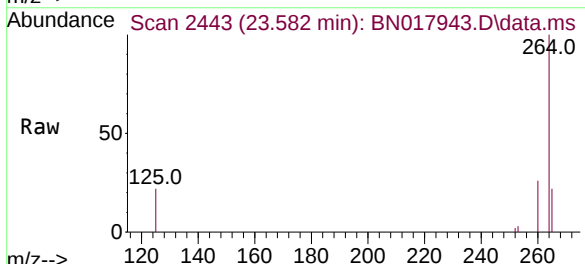
Instrument :
 BNA_N
 ClientSampleId :
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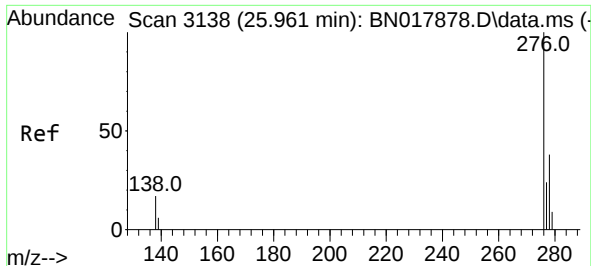
Tgt Ion:149 Resp: 1133087
 Ion Ratio Lower Upper
 149 100
 167 30.4 23.4 35.0
 279 5.0 3.6 5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.582 min Scan# 2443
 Delta R.T. -0.007 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

Tgt Ion:264 Resp: 87147
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.2 30.4
 265 22.3 18.2 27.4

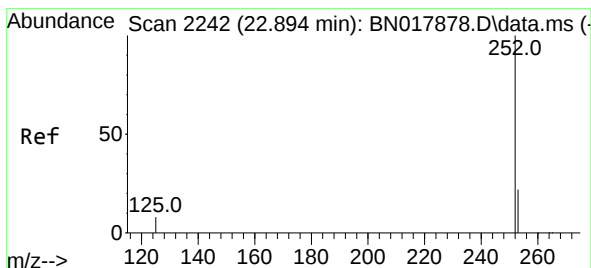
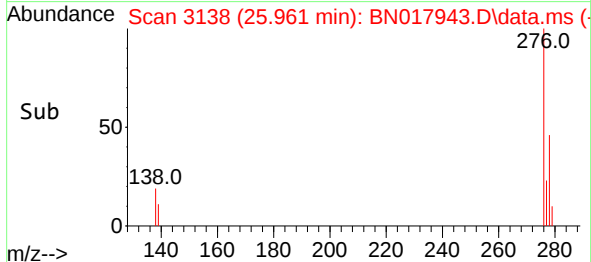
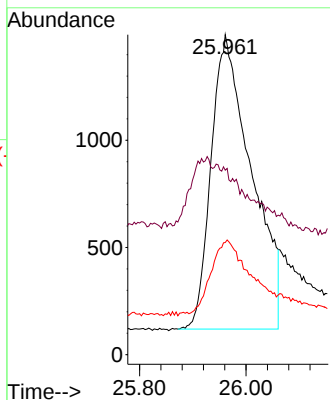
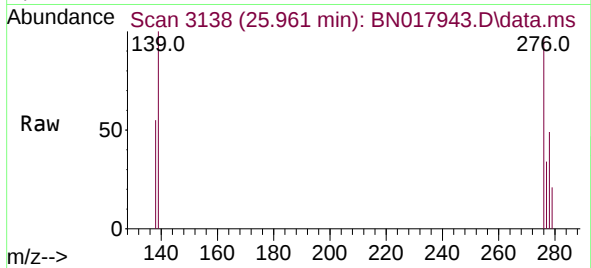




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.128 ng
 RT: 25.961 min Scan# 3138
 Delta R.T. -0.000 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

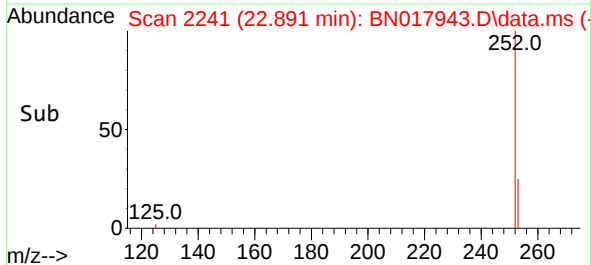
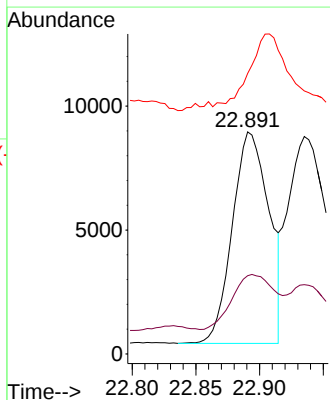
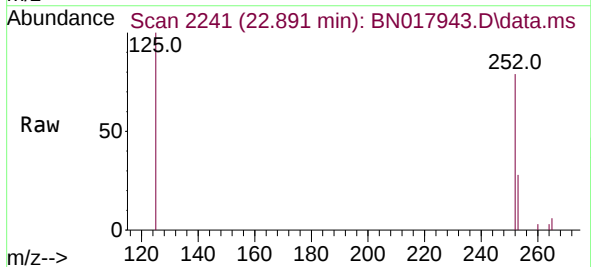
Instrument :
 BNA_N
 ClientSampleId :
 RE109D3-20211207

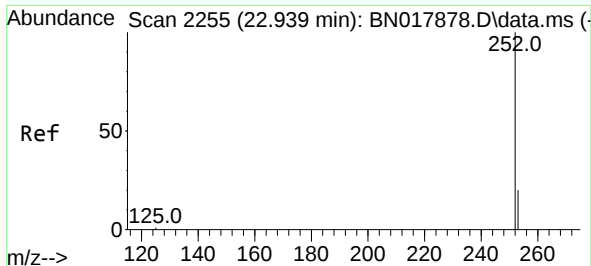
Tgt Ion:276 Resp: 7213
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 24.5 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 0.059 ng
 RT: 22.891 min Scan# 2241
 Delta R.T. -0.003 min
 Lab File: BN017943.D
 Acq: 12 Dec 2021 16:41

Tgt Ion:252 Resp: 17107
 Ion Ratio Lower Upper
 252 100
 253 35.2 17.9 26.9#
 125 126.3 6.8 10.2#

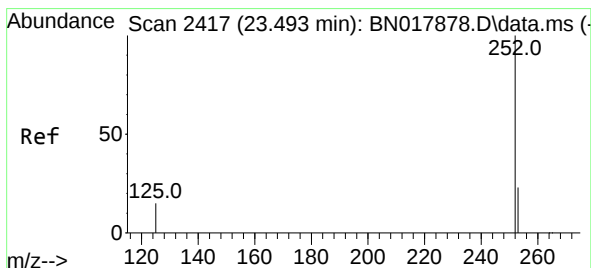
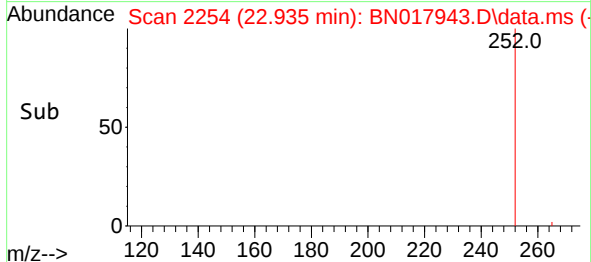
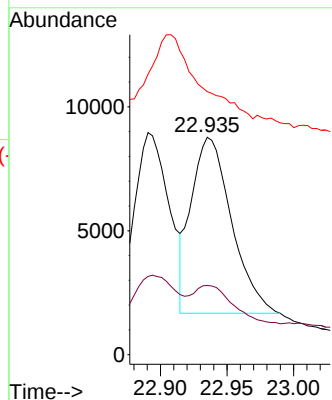
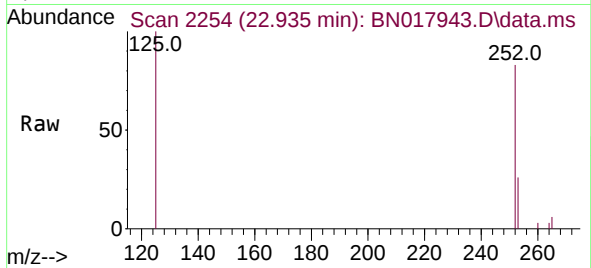




#38
Benzo(k)fluoranthene
Concen: 0.053 ng
RT: 22.935 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

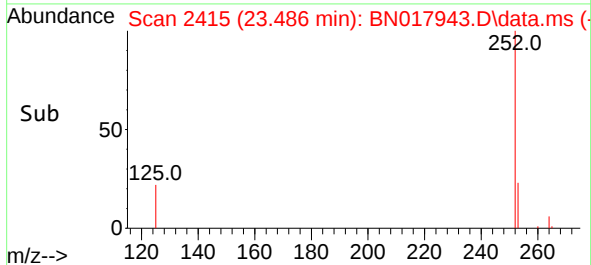
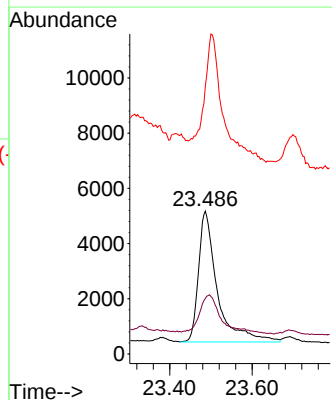
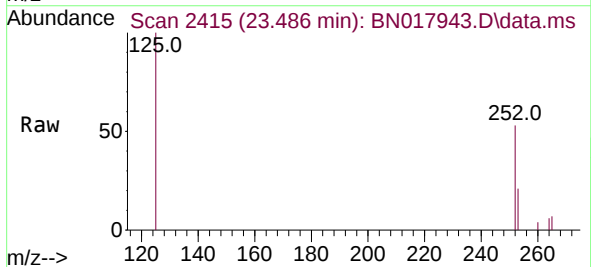
Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207

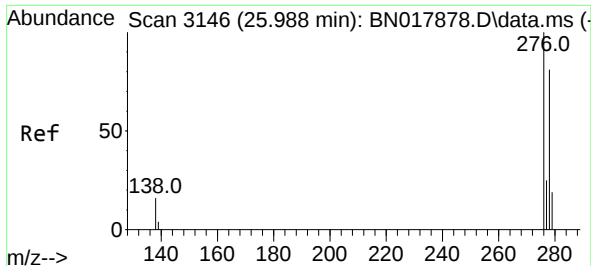
Tgt Ion:252 Resp: 14952
Ion Ratio Lower Upper
252 100
253 31.8 17.8 26.6#
125 121.0 6.1 9.1#



#39
Benzo(a)pyrene
Concen: 0.059 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

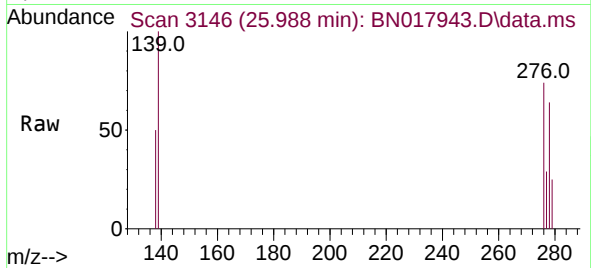
Tgt Ion:252 Resp: 15015
Ion Ratio Lower Upper
252 100
253 38.9 18.8 28.2#
125 187.2 12.2 18.2#



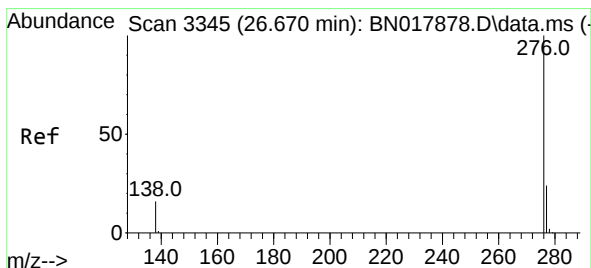
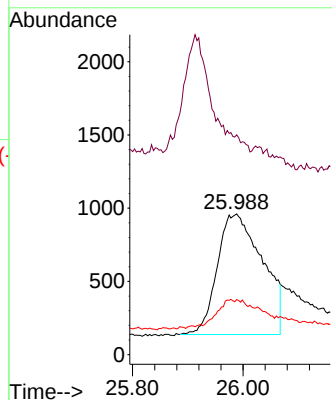


#40
Dibenzo(a,h)anthracene
Concen: 0.138 ng
RT: 25.988 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

Instrument :
BNA_N
ClientSampleId :
RE109D3-20211207



Tgt Ion:278 Resp: 4686
Ion Ratio Lower Upper
278 100
139 156.2 12.0 18.0#
279 39.1 20.8 31.2#



#41
Benzo(g,h,i)perylene
Concen: 0.060 ng
RT: 26.673 min Scan# 3346
Delta R.T. 0.003 min
Lab File: BN017943.D
Acq: 12 Dec 2021 16:41

Tgt Ion:276 Resp: 8309
Ion Ratio Lower Upper
276 100
277 32.9 19.6 29.4#
138 43.9 13.8 20.8#

