

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121121\
 Data File : BN017960.D
 Acq On : 13 Dec 2021 04:43
 Operator : CG/JU
 Sample : M4988-15
 Misc :
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE126D2-20211207

Quant Time: Dec 13 05:16:41 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

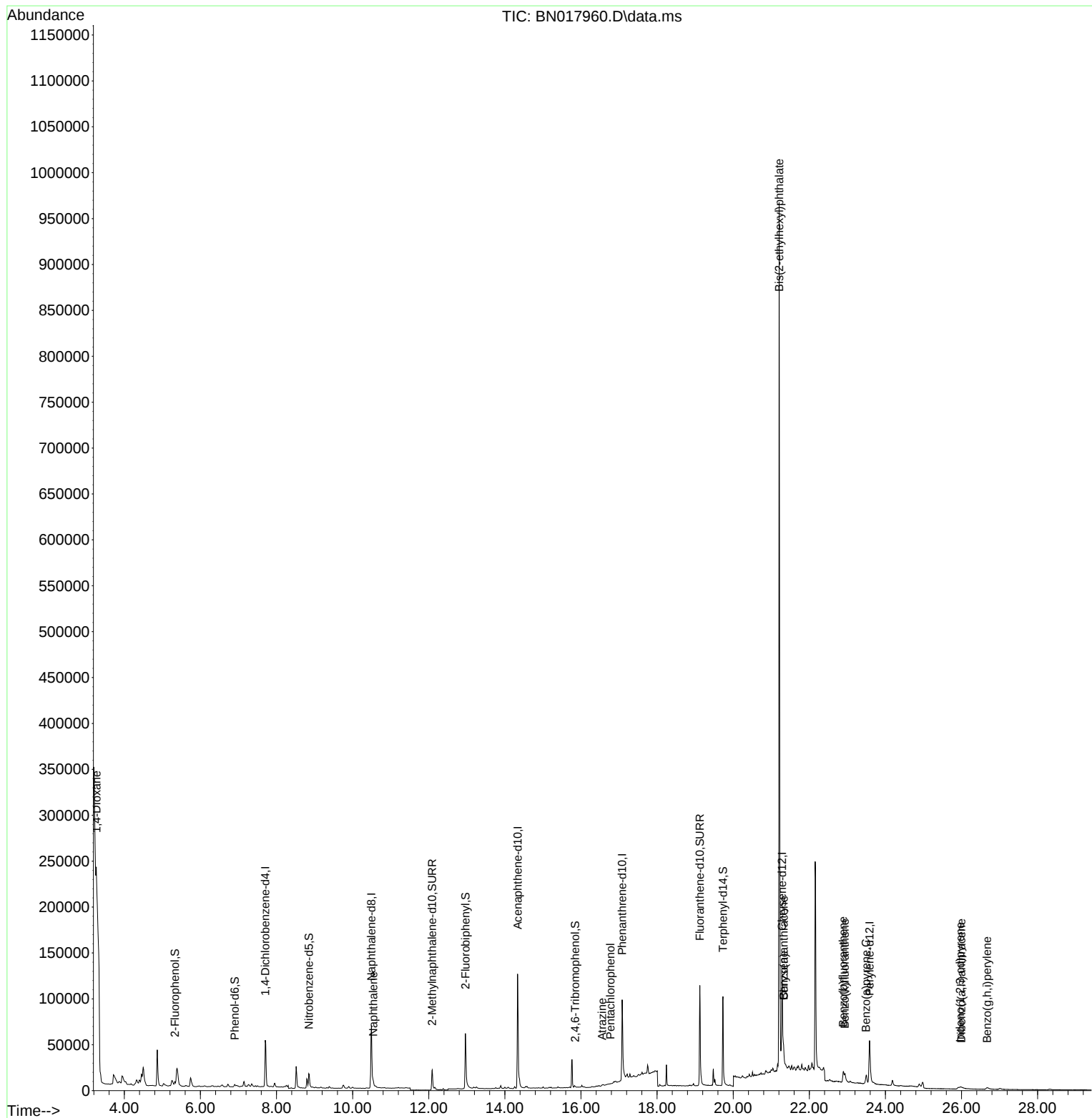
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.706	152	30246	0.400	ng	0.00
7) Naphthalene-d8	10.494	136	119021	0.400	ng	0.00
13) Acenaphthene-d10	14.335	164	81778	0.400	ng	0.00
19) Phenanthrene-d10	17.080	188	165944	0.400	ng	#-0.01
29) Chrysene-d12	21.282	240	115215	0.400	ng	#-0.01
35) Perylene-d12	23.582	264	86404	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.327	112	5489	0.088	ng	0.00
5) Phenol-d6	6.903	99	2669	0.043	ng	0.00
8) Nitrobenzene-d5	8.846	82	18059	0.232	ng	-0.01
11) 2-Methylnaphthalene-d10	12.090	152	42530	0.203	ng	0.00
14) 2,4,6-Tribromophenol	15.844	330	1265	0.361	ng	0.00
15) 2-Fluorobiphenyl	12.964	172	65411	0.227	ng	0.00
27) Fluoranthene-d10	19.124	212	150850	0.280	ng	0.00
31) Terphenyl-d14	19.730	244	127419	0.449	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.270	88	44035	4.797	ng	93
9) Naphthalene	10.545	128	6867	0.023	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.438	198	8	Below Cal	#	1
23) Atrazine	16.557	200	173	0.093	ng	# 25
24) Pentachlorophenol	16.776	266	59	0.106	ng	# 22
32) Benzo(a)anthracene	21.325	228	23166	0.113	ng	91
33) Chrysene	21.325	228	23067	0.061	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.208	149	855135	6.913	ng	98
36) Indeno(1,2,3-cd)pyrene	25.965	276	5926	0.121	ng	# 81
37) Benzo(b)fluoranthene	22.891	252	15016	0.053	ng	# 3
38) Benzo(k)fluoranthene	22.935	252	12379	0.045	ng	# 15
39) Benzo(a)pyrene	23.486	252	13762	0.054	ng	# 1
40) Dibenzo(a,h)anthracene	25.995	278	3580	0.130	ng	# 1
41) Benzo(g,h,i)perylene	26.673	276	7411	0.054	ng	# 72

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

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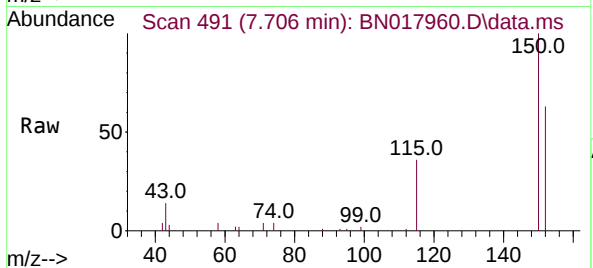
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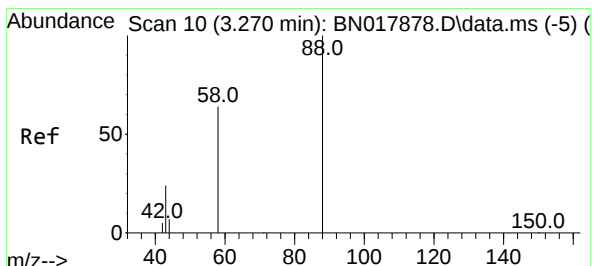
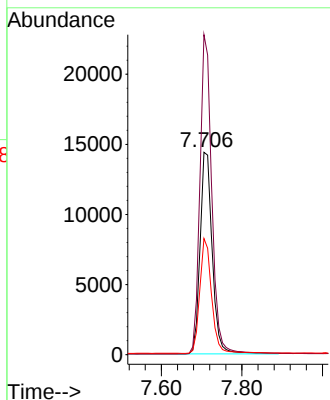
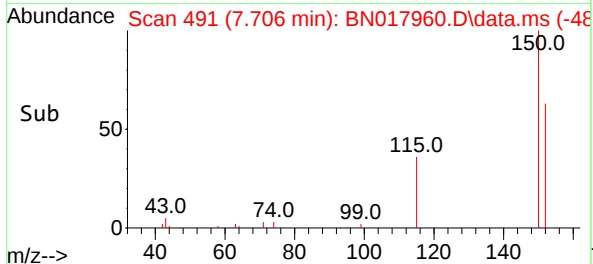


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.706 min Scan# 491
Delta R.T. -0.009 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

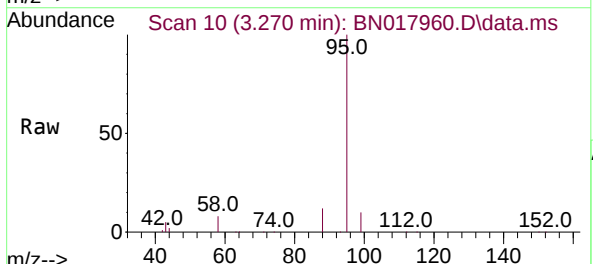
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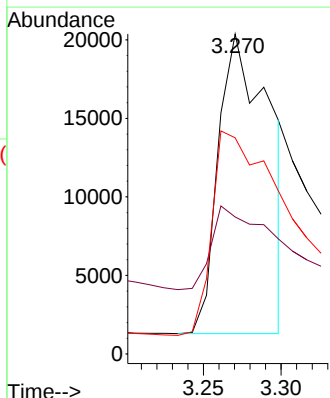
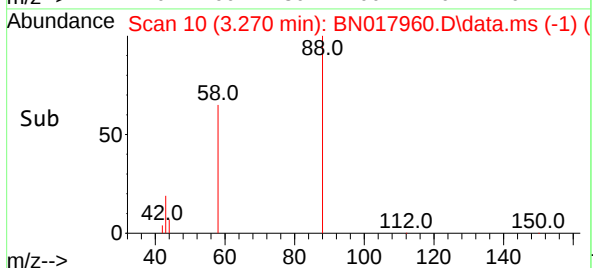
Tgt Ion:152 Resp: 30246
Ion Ratio Lower Upper
152 100
150 158.1 121.9 182.9
115 57.4 44.1 66.1

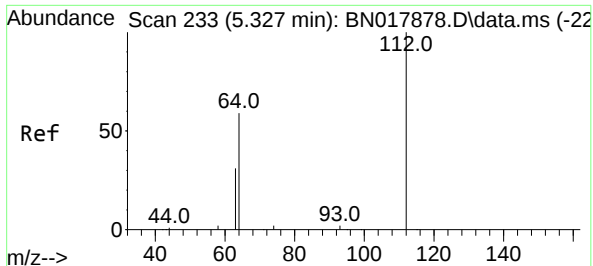


#2
1,4-Dioxane
Concen: 4.797 ng
RT: 3.270 min Scan# 10
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43



Tgt Ion: 88 Resp: 44035
Ion Ratio Lower Upper
88 100
43 29.1 28.0 42.0
58 76.1 65.4 98.0

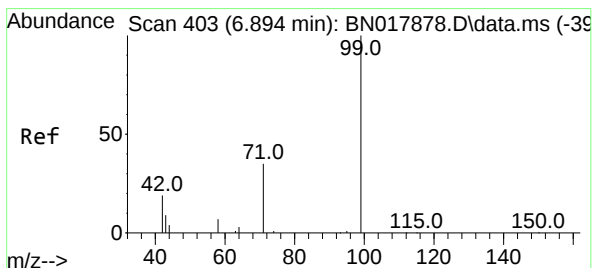
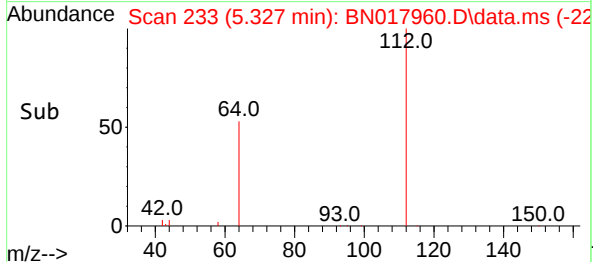
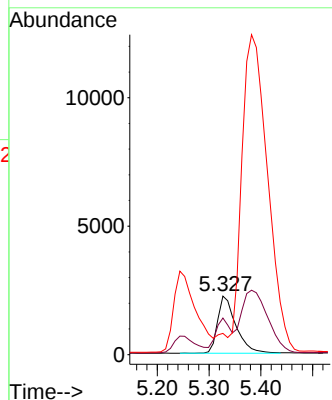
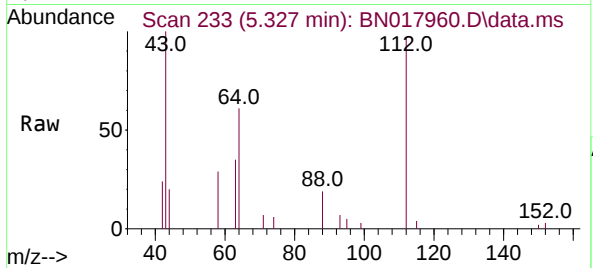




#4
2-Fluorophenol
Concen: 0.088 ng
RT: 5.327 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

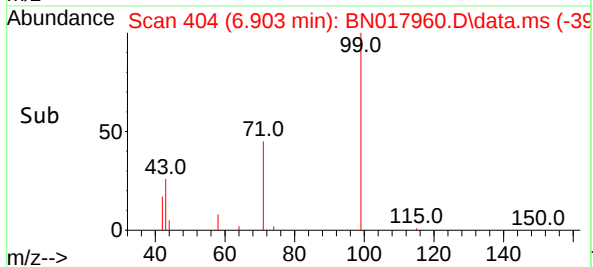
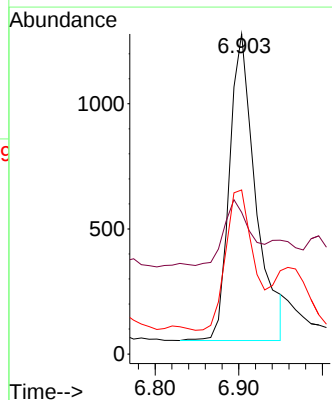
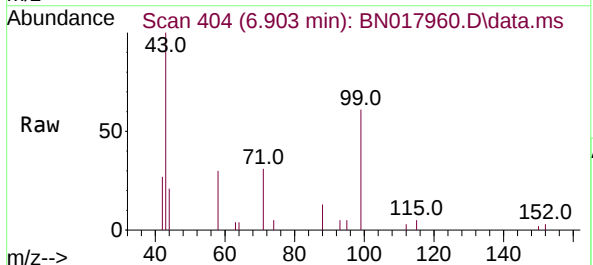
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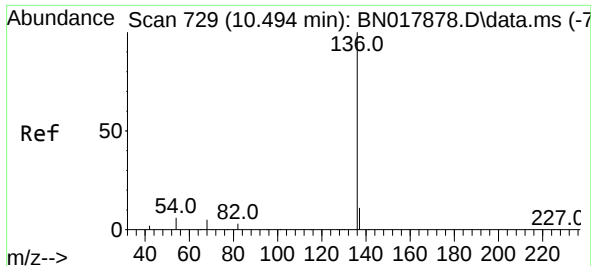
Tgt Ion:112 Resp: 5489
Ion Ratio Lower Upper
112 100
64 37.6 49.0 73.4#
63 0.0 26.2 39.2#



#5
Phenol-d6
Concen: 0.043 ng
RT: 6.903 min Scan# 404
Delta R.T. 0.009 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Tgt Ion: 99 Resp: 2669
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.4
71 48.4 28.0 42.0#

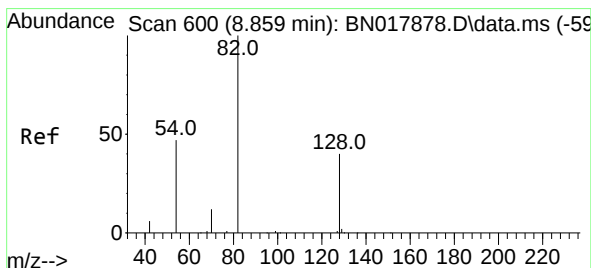
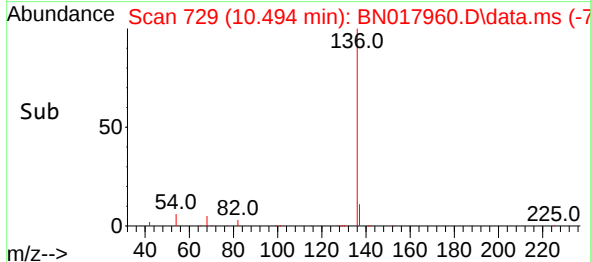
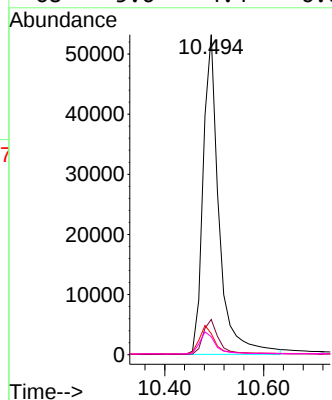
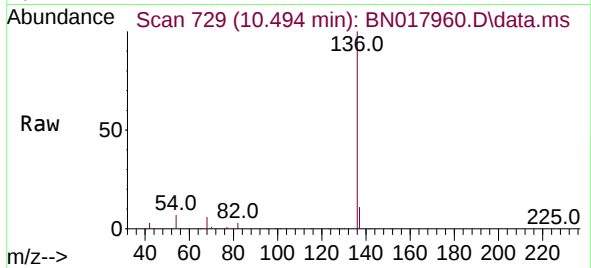




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.494 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

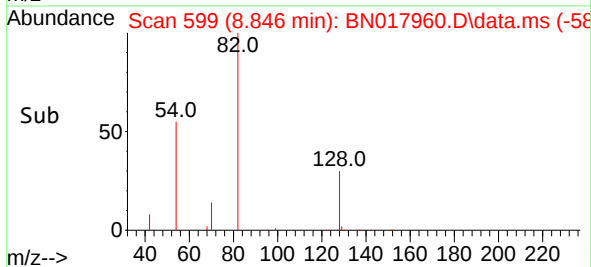
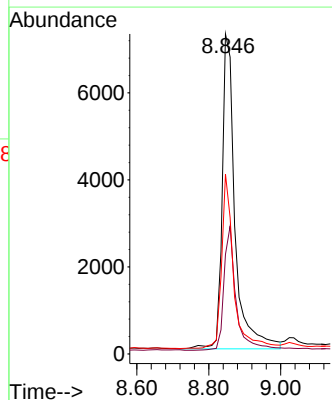
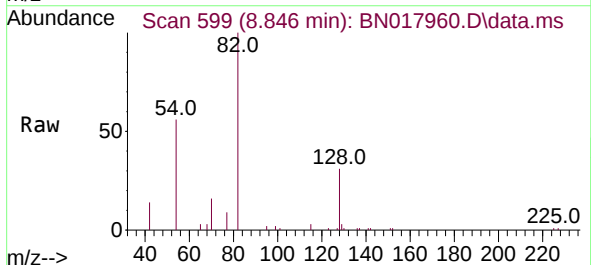
Instrument :
BNA_N
ClientSampleId :
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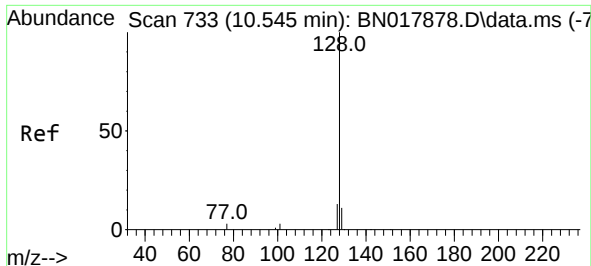
Tgt Ion:	136	Resp:	119021
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	6.6	5.1	7.7
68	5.6	4.4	6.6



#8
Nitrobenzene-d5
Concen: 0.232 ng
RT: 8.846 min Scan# 599
Delta R.T. -0.013 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Tgt Ion:	82	Resp:	18059
Ion Ratio	Lower	Upper	
82	100		
128	31.1	32.2	48.4#
54	56.2	37.6	56.4

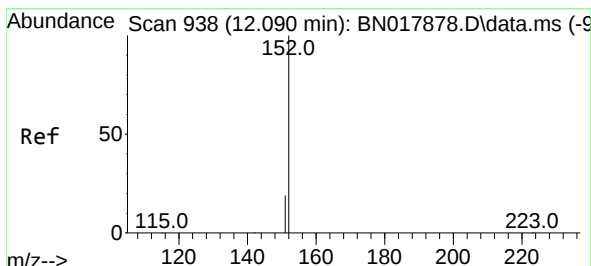
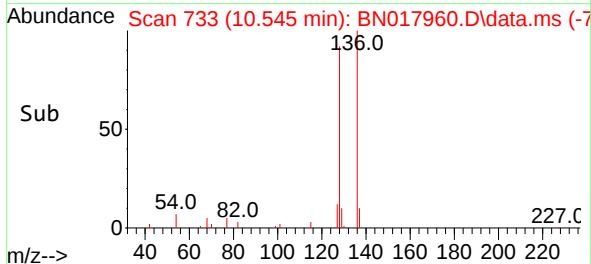
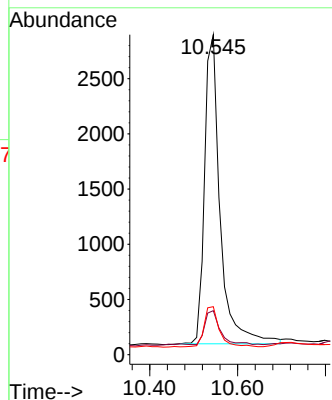
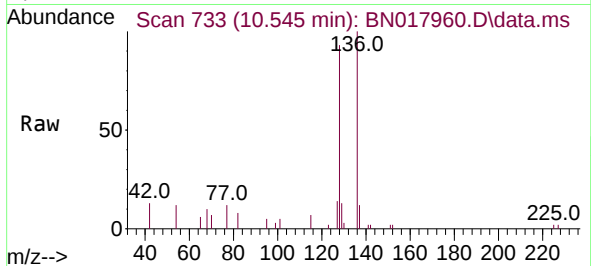




#9
Naphthalene
Concen: 0.023 ng
RT: 10.545 min Scan# 711
Delta R.T. -0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

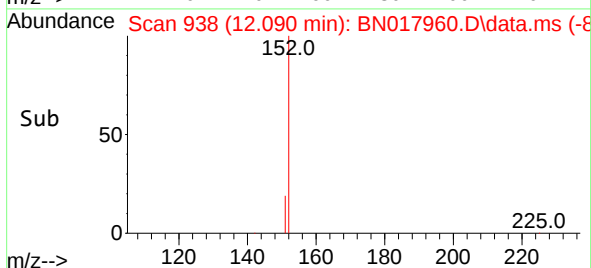
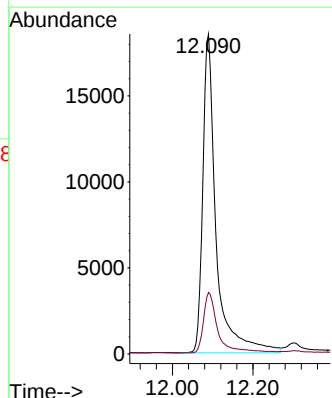
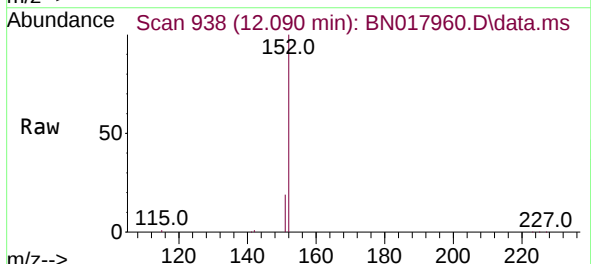
Instrument :
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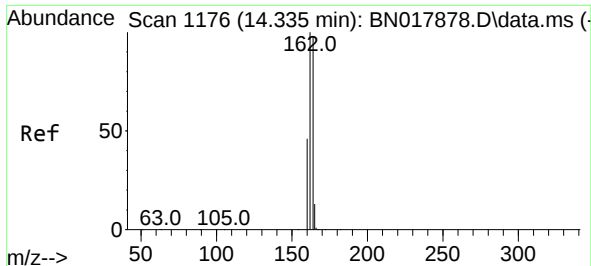
Tgt Ion:128 Resp: 6867
Ion Ratio Lower Upper
128 100
129 13.8 8.8 13.2#
127 15.0 10.5 15.7



#11
2-Methylnaphthalene-d10
Concen: 0.203 ng
RT: 12.090 min Scan# 938
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

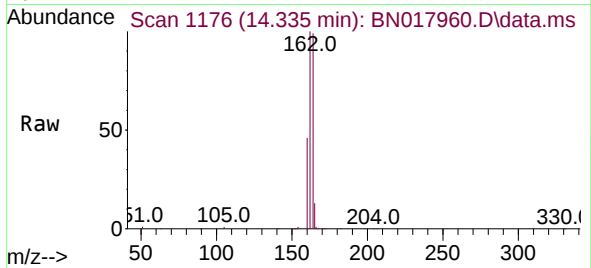
Tgt Ion:152 Resp: 42530
Ion Ratio Lower Upper
152 100
151 20.7 16.4 24.6



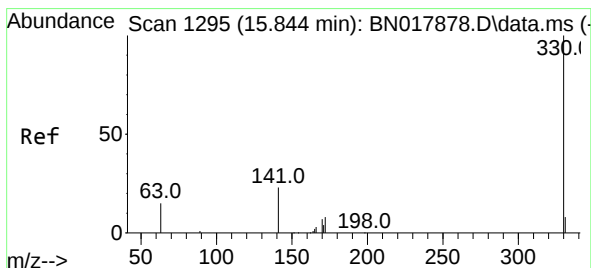
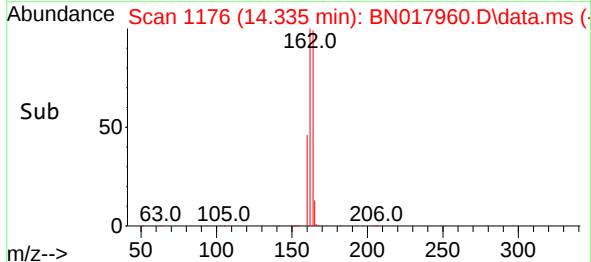
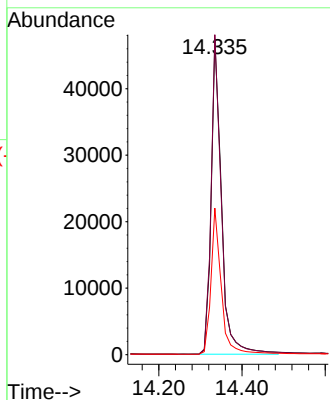


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.335 min Scan# 1176
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Instrument :
BNA_N
ClientSampleId :
RE126D2-20211207

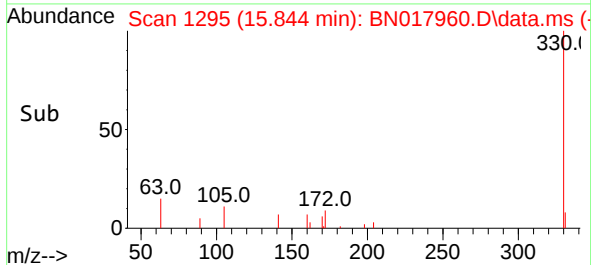
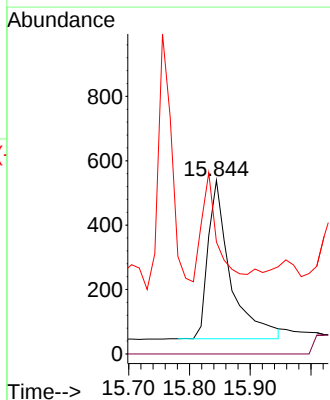
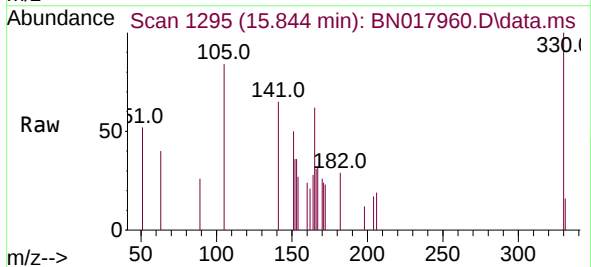


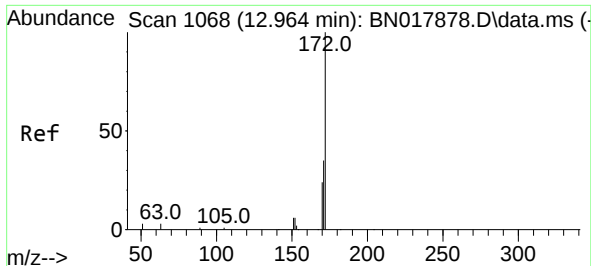
Tgt Ion:164 Resp: 81778
Ion Ratio Lower Upper
164 100
162 101.3 82.1 123.1
160 46.4 38.2 57.2



#14
2,4,6-Tribromophenol
Concen: 0.361 ng
RT: 15.844 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Tgt Ion:330 Resp: 1265
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 47.8 19.7 29.5#

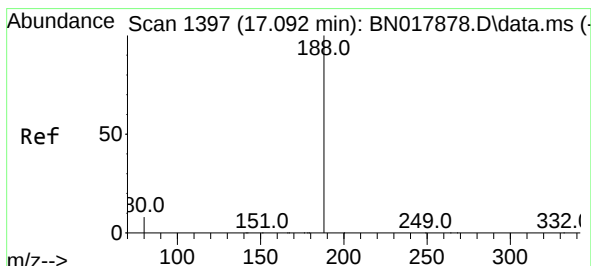
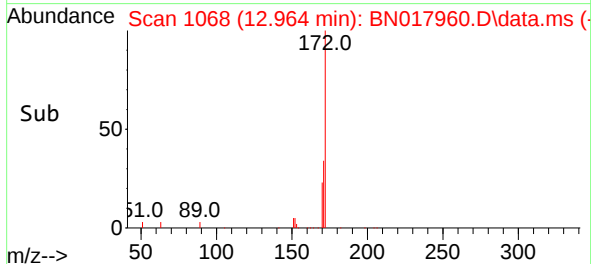
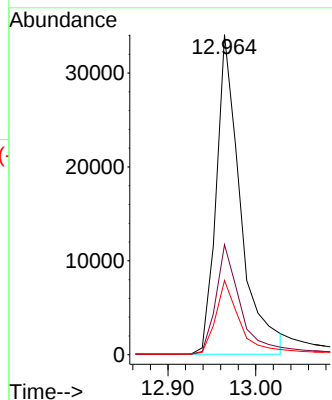
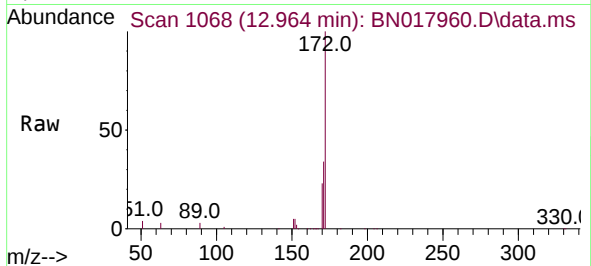




#15
2-Fluorobiphenyl
Concen: 0.227 ng
RT: 12.964 min Scan# 1068
Delta R.T. 0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

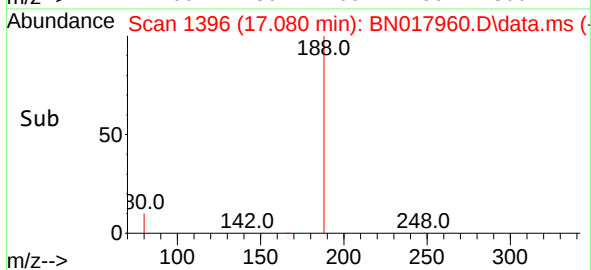
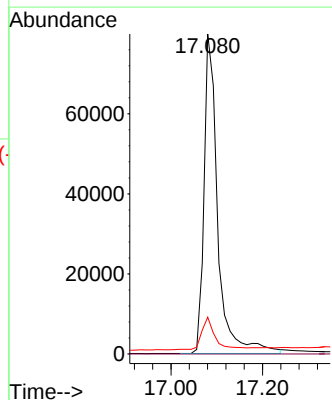
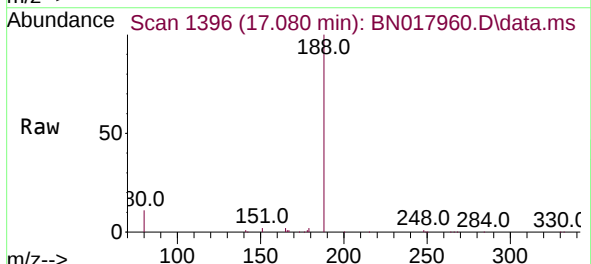
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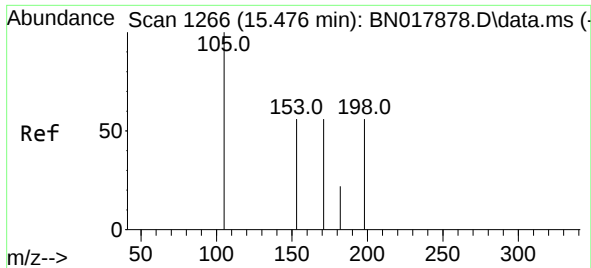
Tgt Ion:172	Resp:	65411
Ion Ratio	Lower	Upper
172	100	
171	34.4	28.3 42.5
170	23.2	19.1 28.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.080 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

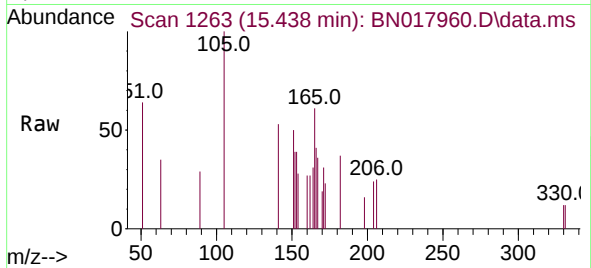
Tgt Ion:188	Resp:	165944
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0 0.0
80	11.5	6.2 9.2#



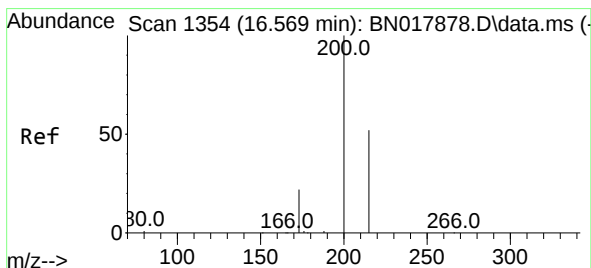
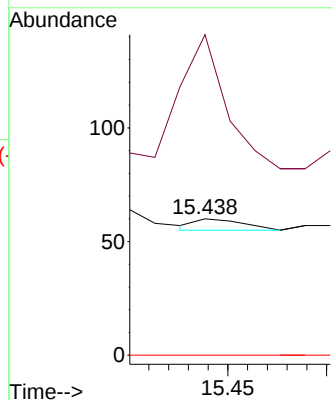
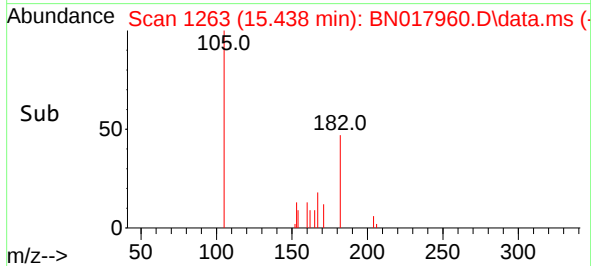


#20
4,6-Dinitro-2-methylphenol
Concen: Below Cal
RT: 15.438 min Scan# 11
Delta R.T. -0.038 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

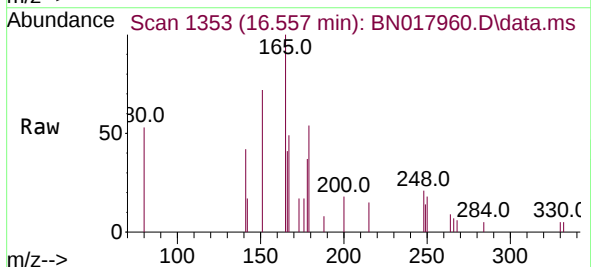
Instrument :
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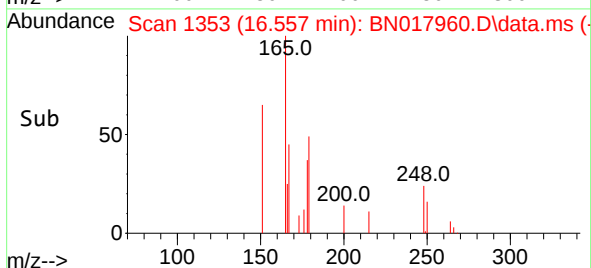
Tgt Ion:198 Resp: 8
Ion Ratio Lower Upper
198 100
182 235.0 70.8 106.2#
77 0.0 0.0 0.0

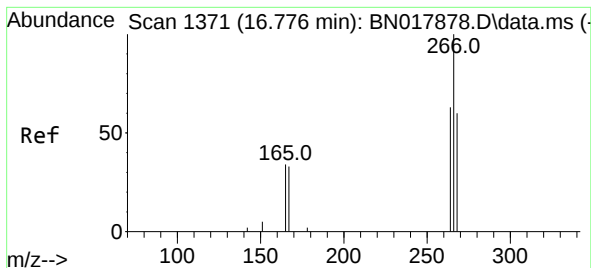


#23
Atrazine
Concen: 0.093 ng
RT: 16.557 min Scan# 1353
Delta R.T. -0.012 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43



Tgt Ion:200 Resp: 173
Ion Ratio Lower Upper
200 100
173 94.5 18.2 27.2#
215 82.9 41.8 62.8#





#24

Pentachlorophenol

Concen: 0.106 ng

RT: 16.776 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN017960.D

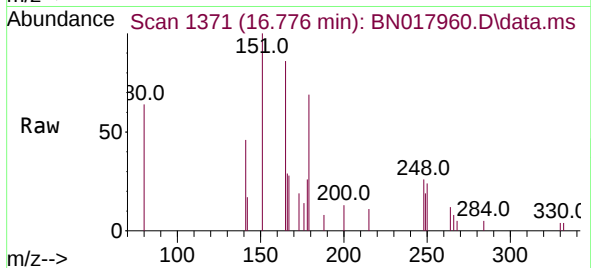
Acq: 13 Dec 2021 04:43

Instrument :

BNA_N

ClientSampleId :

RE126D2-20211207



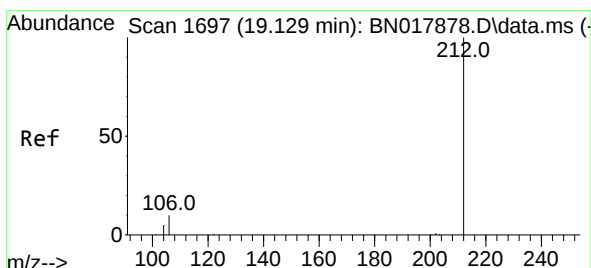
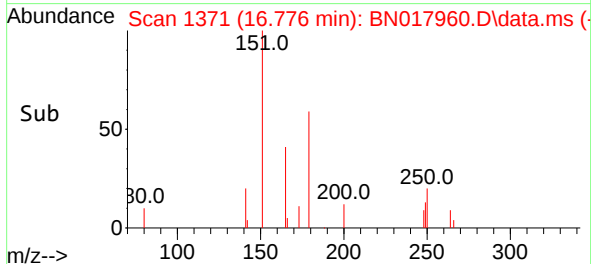
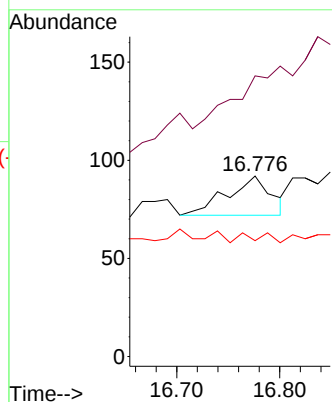
Tgt Ion:266 Resp: 59

Ion Ratio Lower Upper

266 100

264 0.0 50.6 76.0#

268 6.8 53.7 80.5#



#27

Fluoranthene-d10

Concen: 0.280 ng

RT: 19.124 min Scan# 1696

Delta R.T. -0.005 min

Lab File: BN017960.D

Acq: 13 Dec 2021 04:43

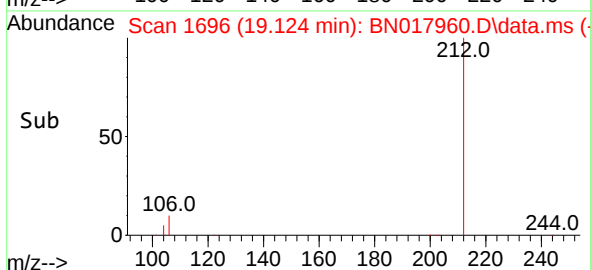
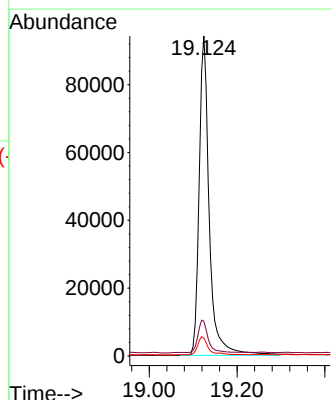
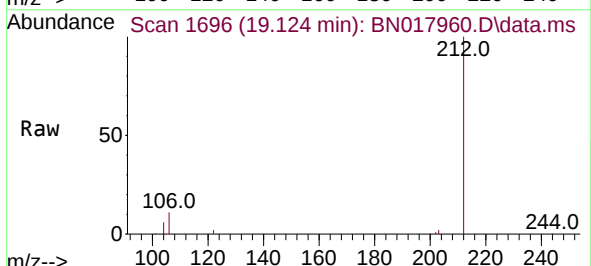
Tgt Ion:212 Resp: 150850

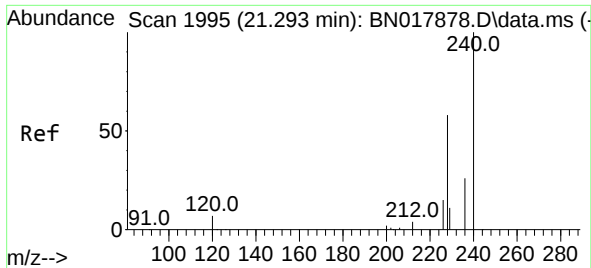
Ion Ratio Lower Upper

212 100

106 10.5 8.3 12.5

104 6.0 4.6 6.8

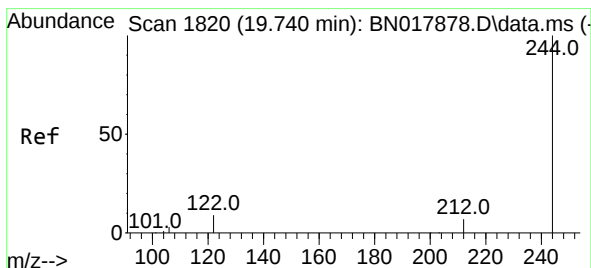
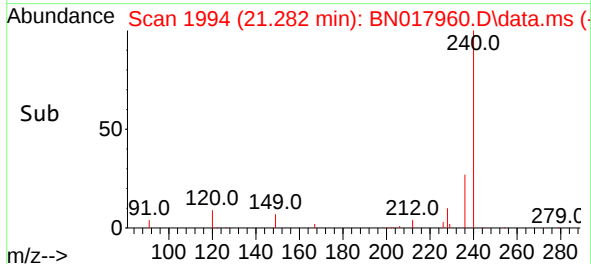
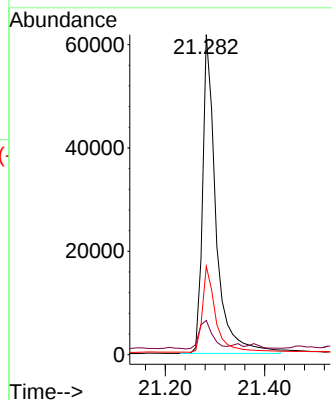
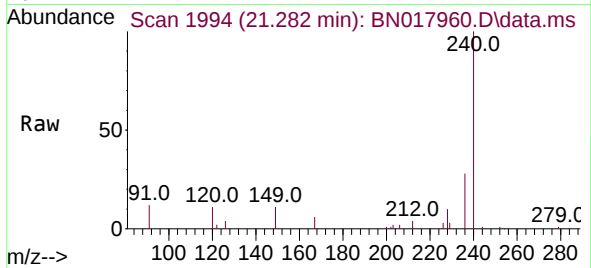




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.282 min Scan# 1994
Delta R.T. -0.011 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

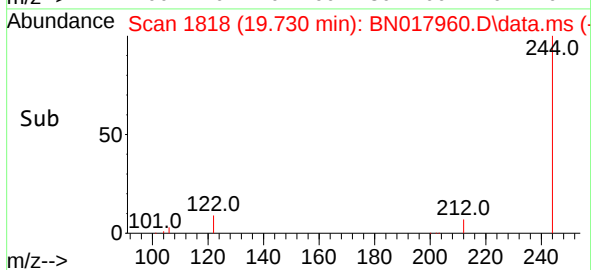
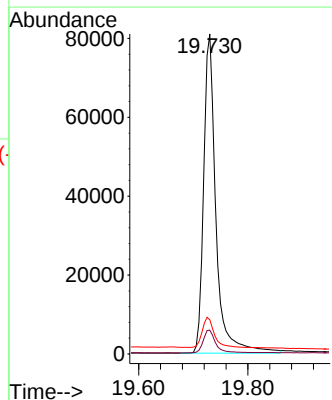
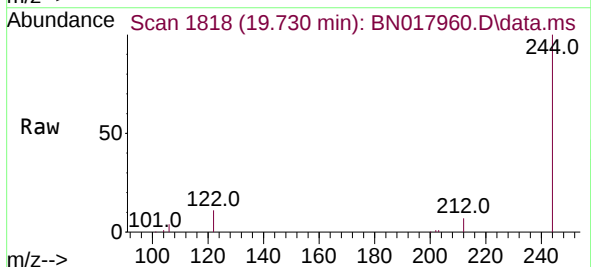
Instrument :
BNA_N
ClientSampleId :
RE126D2-20211207

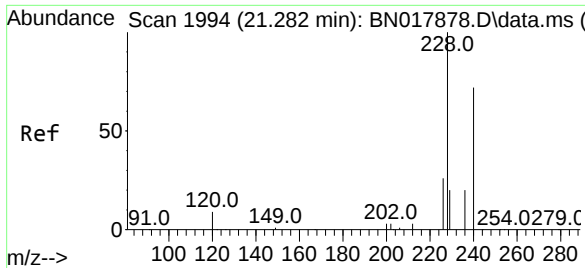
Tgt Ion:240 Resp: 115215
Ion Ratio Lower Upper
240 100
120 10.7 5.8 8.8#
236 27.7 21.0 31.6



#31
Terphenyl-d14
Concen: 0.449 ng
RT: 19.730 min Scan# 1818
Delta R.T. -0.010 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Tgt Ion:244 Resp: 127419
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.2
122 10.7 7.5 11.3

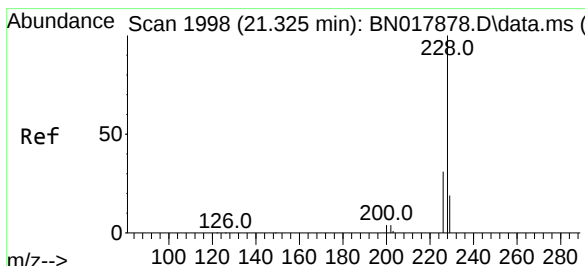
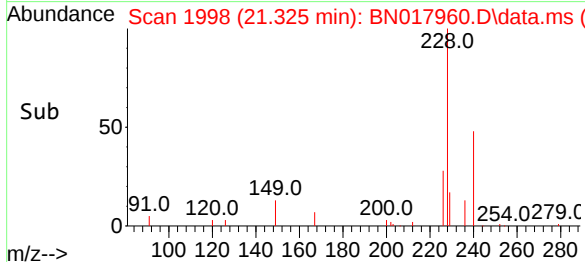
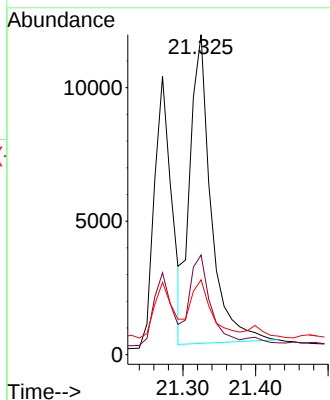
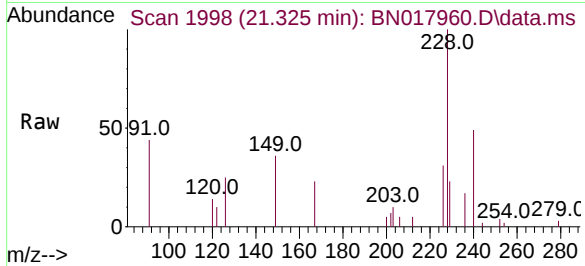




#32
Benzo(a)anthracene
Concen: 0.113 ng
RT: 21.325 min Scan# 1998
Delta R.T. 0.043 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

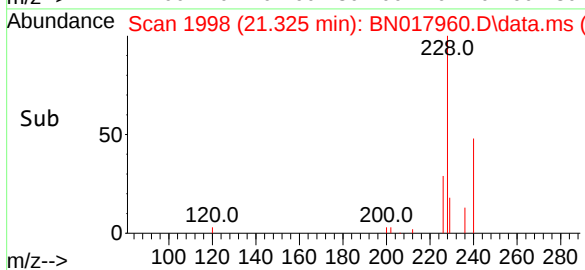
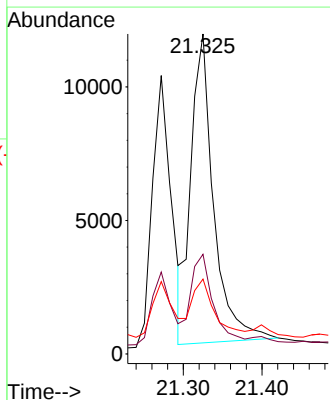
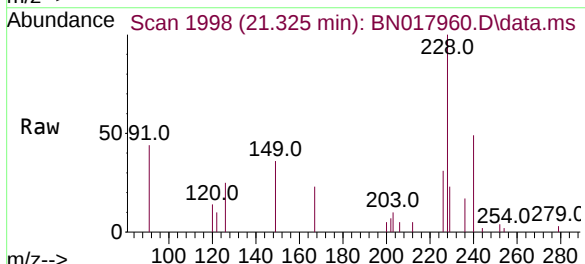
Instrument :
BNA_N
ClientSampleId :
RE126D2-20211207

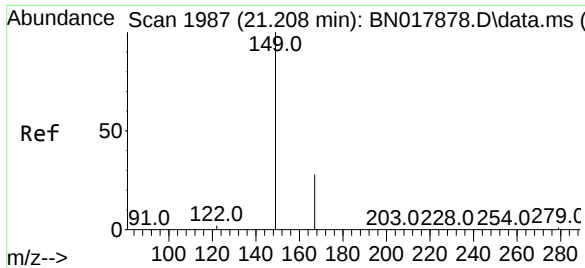
Tgt Ion:228 Resp: 23166
Ion Ratio Lower Upper
228 100
226 31.2 21.0 31.4
229 23.4 15.8 23.8



#33
Chrysene
Concen: 0.061 ng
RT: 21.325 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Tgt Ion:228 Resp: 23067
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.8
229 23.4 15.6 23.4#

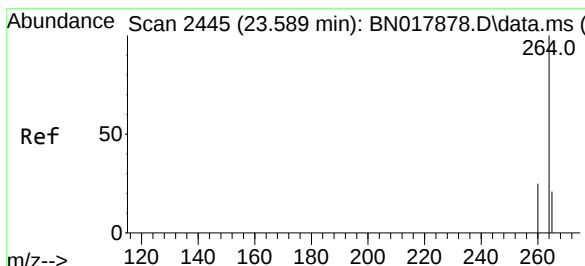
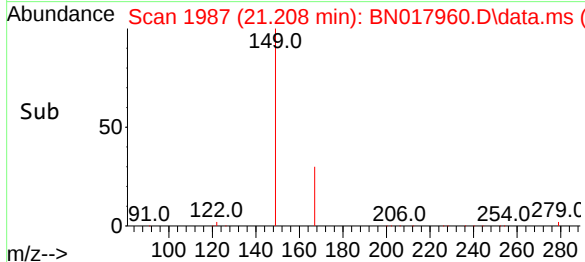
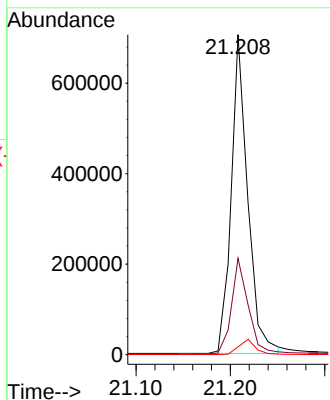
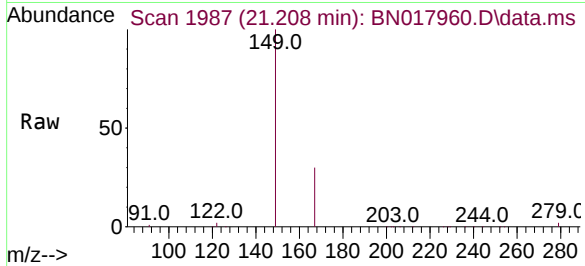




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 6.913 ng
 RT: 21.208 min Scan# 1987
 Delta R.T. 0.000 min
 Lab File: BN017960.D
 Acq: 13 Dec 2021 04:43

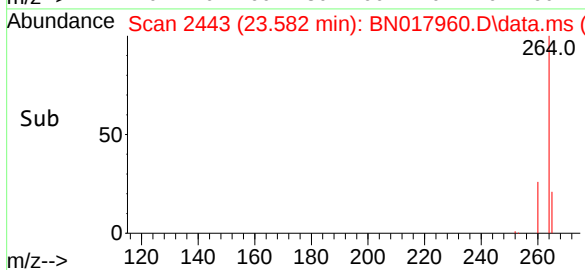
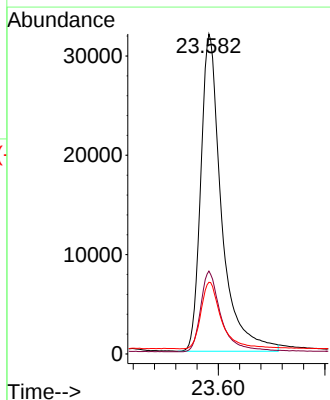
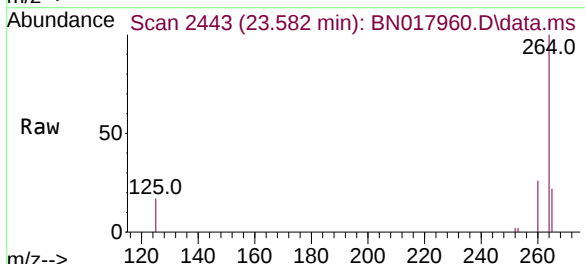
Instrument :
 BNA_N
 ClientSampleId :
 RE126D2-20211207

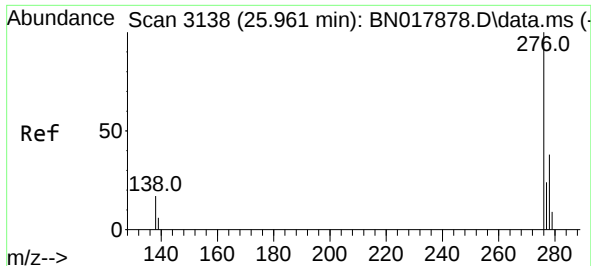
Tgt Ion:149 Resp: 855135
 Ion Ratio Lower Upper
 149 100
 167 30.2 23.4 35.0
 279 4.8 3.6 5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.582 min Scan# 2443
 Delta R.T. -0.007 min
 Lab File: BN017960.D
 Acq: 13 Dec 2021 04:43

Tgt Ion:264 Resp: 86404
 Ion Ratio Lower Upper
 264 100
 260 25.9 20.2 30.4
 265 22.4 18.2 27.4

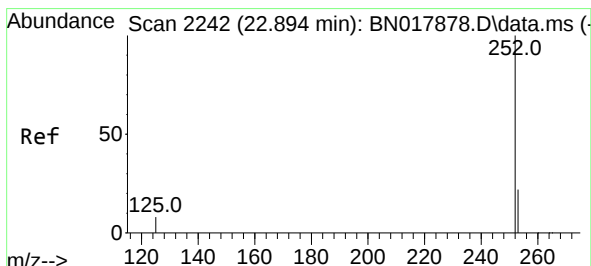
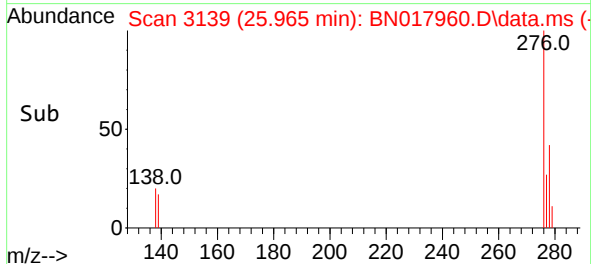
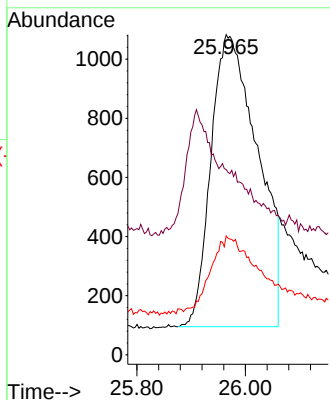
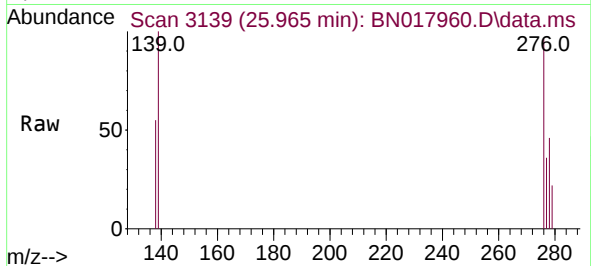




#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.121 ng
 RT: 25.965 min Scan# 3138
 Delta R.T. 0.004 min
 Lab File: BN017960.D
 Acq: 13 Dec 2021 04:43

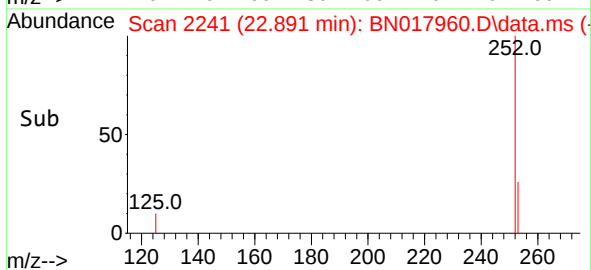
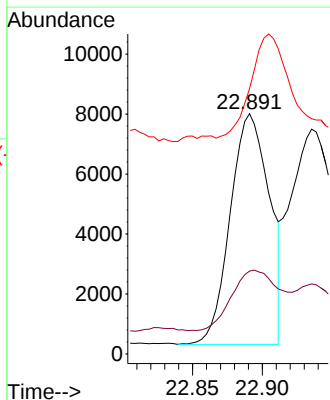
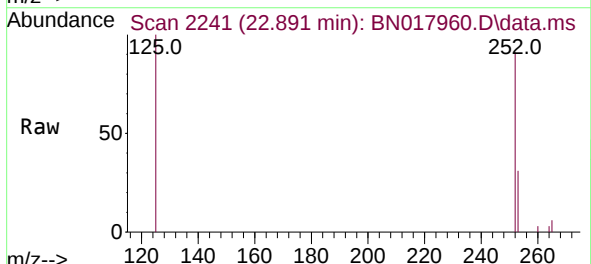
Instrument :
 BNA_N
 ClientSampleId :
 RE126D2-20211207

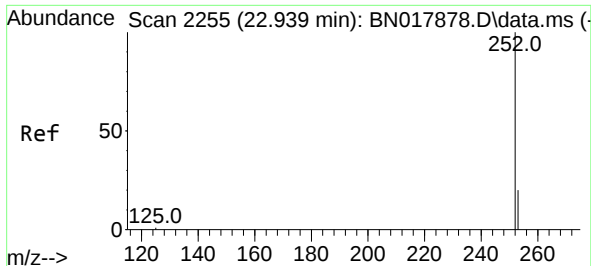
Tgt Ion:276 Resp: 5926
 Ion Ratio Lower Upper
 276 100
 138 0.0 15.2 22.8#
 277 24.5 19.8 29.6



#37
 Benzo(b)fluoranthene
 Concen: 0.053 ng
 RT: 22.891 min Scan# 2241
 Delta R.T. -0.003 min
 Lab File: BN017960.D
 Acq: 13 Dec 2021 04:43

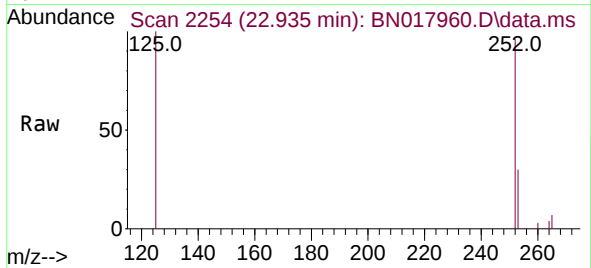
Tgt Ion:252 Resp: 15016
 Ion Ratio Lower Upper
 252 100
 253 34.5 17.9 26.9#
 125 110.4 6.8 10.2#



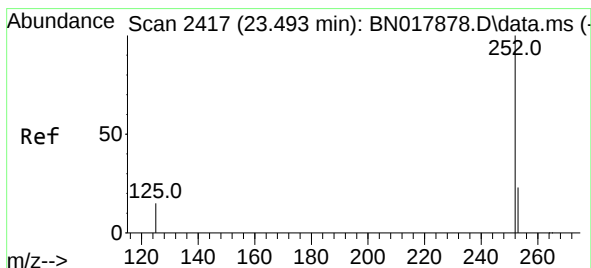
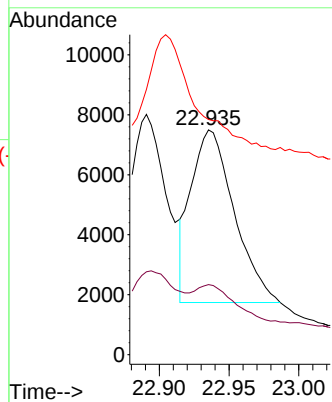
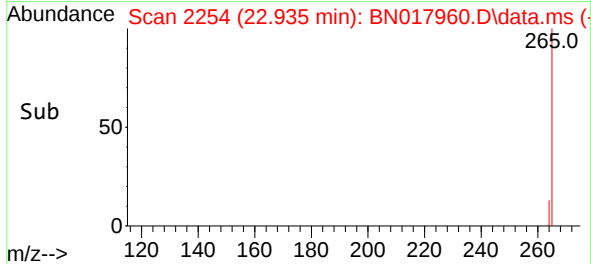


#38
Benzo(k)fluoranthene
Concen: 0.045 ng
RT: 22.935 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Instrument :
BNA_N
ClientSampleId :
RE126D2-20211207

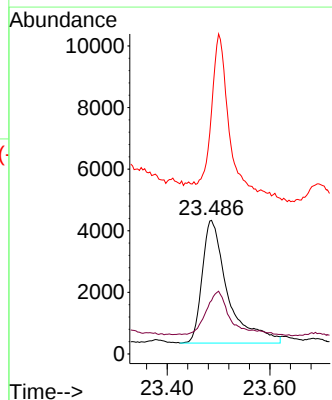
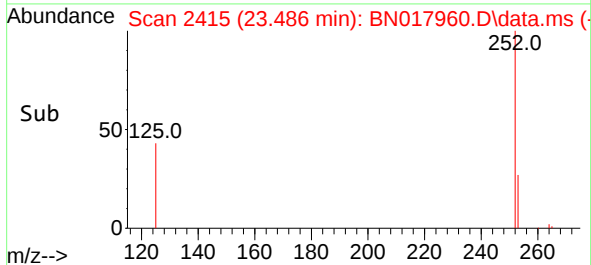
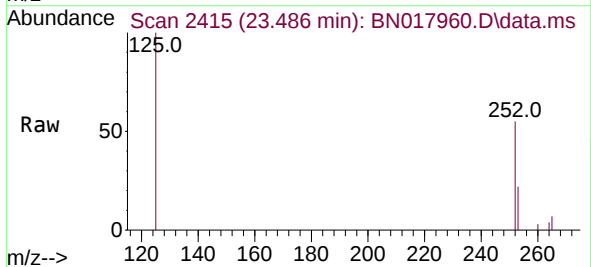


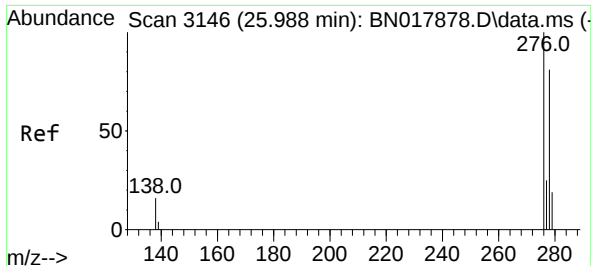
Tgt Ion:252 Resp: 12379
Ion Ratio Lower Upper
252 100
253 31.2 17.8 26.6#
125 104.6 6.1 9.1#



#39
Benzo(a)pyrene
Concen: 0.054 ng
RT: 23.486 min Scan# 2415
Delta R.T. -0.007 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Tgt Ion:252 Resp: 13762
Ion Ratio Lower Upper
252 100
253 40.0 18.8 28.2#
125 182.0 12.2 18.2#

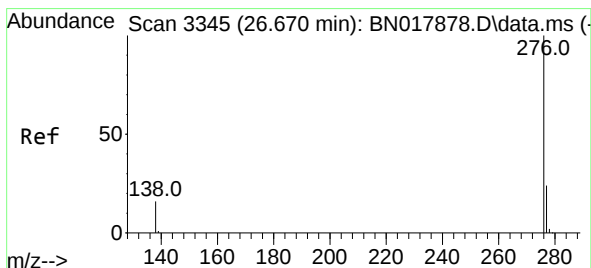
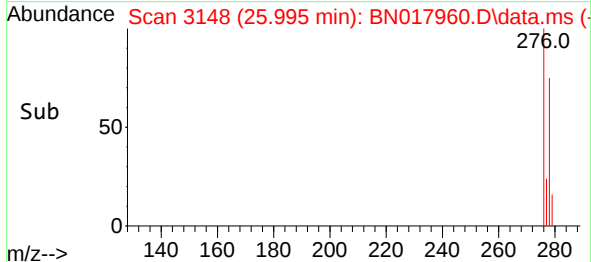
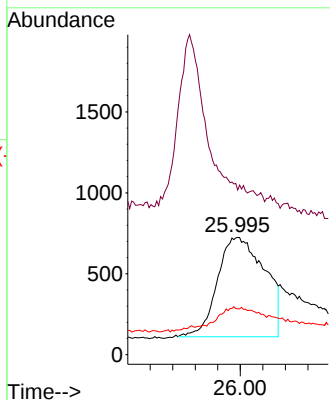
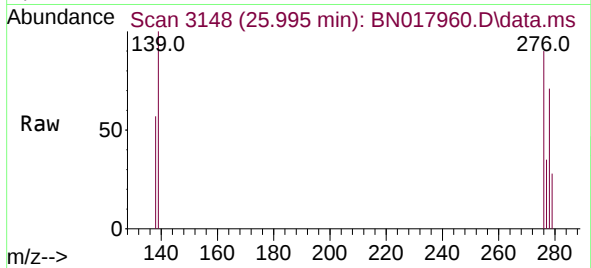




#40
Dibenzo(a,h)anthracene
Concen: 0.130 ng
RT: 25.995 min Scan# 3146
Delta R.T. 0.007 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Instrument :
BNA_N
ClientSampleId :
RE126D2-20211207

Tgt Ion:278 Resp: 3580
Ion Ratio Lower Upper
278 100
139 140.3 12.0 18.0#
279 39.2 20.8 31.2#



#41
Benzo(g,h,i)perylene
Concen: 0.054 ng
RT: 26.673 min Scan# 3346
Delta R.T. 0.003 min
Lab File: BN017960.D
Acq: 13 Dec 2021 04:43

Tgt Ion:276 Resp: 7411
Ion Ratio Lower Upper
276 100
277 32.3 19.6 29.4#
138 37.7 13.8 20.8#

