

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
 Data File : BN016804.D
 Acq On : 07 Oct 2021 07:20
 Operator : CG/JU
 Sample : M3945-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-0-0.5-092421

Manual Integrations
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 10/8/2021 8:33:57 AM

Quant Time: Oct 07 07:50:17 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 14:22:07 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	20144	0.40	ng	0.00
7) Naphthalene-d8	10.394	136	95729	0.40	ng	-0.01
13) Acenaphthene-d10	14.268	164	57569	0.40	ng	0.00
19) Phenanthrene-d10	17.017	188	115161	0.40	ng	# 0.00
29) Chrysene-d12	21.227	240	107646	0.40	ng	# 0.00
35) Perylene-d12	23.481	264	111867	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.272	112	14913	0.29	ng	0.03
5) Phenol-d6	6.821	99	17409	0.31	ng	0.00
8) Nitrobenzene-d5	8.771	82	22016	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	44747	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	10126	0.42	ng	0.00
15) 2-Fluorobiphenyl	12.885	172	54116	0.24	ng	0.00
27) Fluoranthene-d10	19.063	212	73303	0.23	ng	0.00
31) Terphenyl-d14	19.673	244	50743	0.21	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.444	128	15317	0.06	ng	97
12) 2-Methylnaphthalene	12.069	142	10869	0.07	ng	98
16) Acenaphthylene	13.977	152	13067	0.05	ng	# 93
17) Acenaphthene	14.319	154	17798	0.11	ng	99
18) Fluorene	15.322	166	17353	0.09	ng	# 96
24) Pentachlorophenol	16.677	266	510	0.35	ng	96
25) Phenanthrene	17.054	178	499837	1.48	ng	99
26) Anthracene	17.151	178	62420	0.21	ng	# 90
28) Fluoranthene	19.092	202	1112267	2.96	ng	100
30) Pyrene	19.455	202	945634	2.67	ng	# 95
32) Benzo(a)anthracene	21.217	228	493882	1.48	ng	98
33) Chrysene	21.270	228	531388	1.57	ng	96
34) Bis(2-ethylhexyl)phtha...	21.163	149	87789	0.43	ng	99
36) Indeno(1,2,3-cd)pyrene	25.754	276	323587	0.91	ng	99
37) Benzo(b)fluoranthene	22.806	252	791878	2.19	ng	99
38) Benzo(k)fluoranthene	22.848	252	278150m	0.80	ng	
39) Benzo(a)pyrene	23.378	252	485210	1.50	ng	99
40) Dibenzo(a,h)anthracene	25.764	278	75909	0.27	ng	# 83
41) Benzo(g,h,i)perylene	26.452	276	305435	0.97	ng	98

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

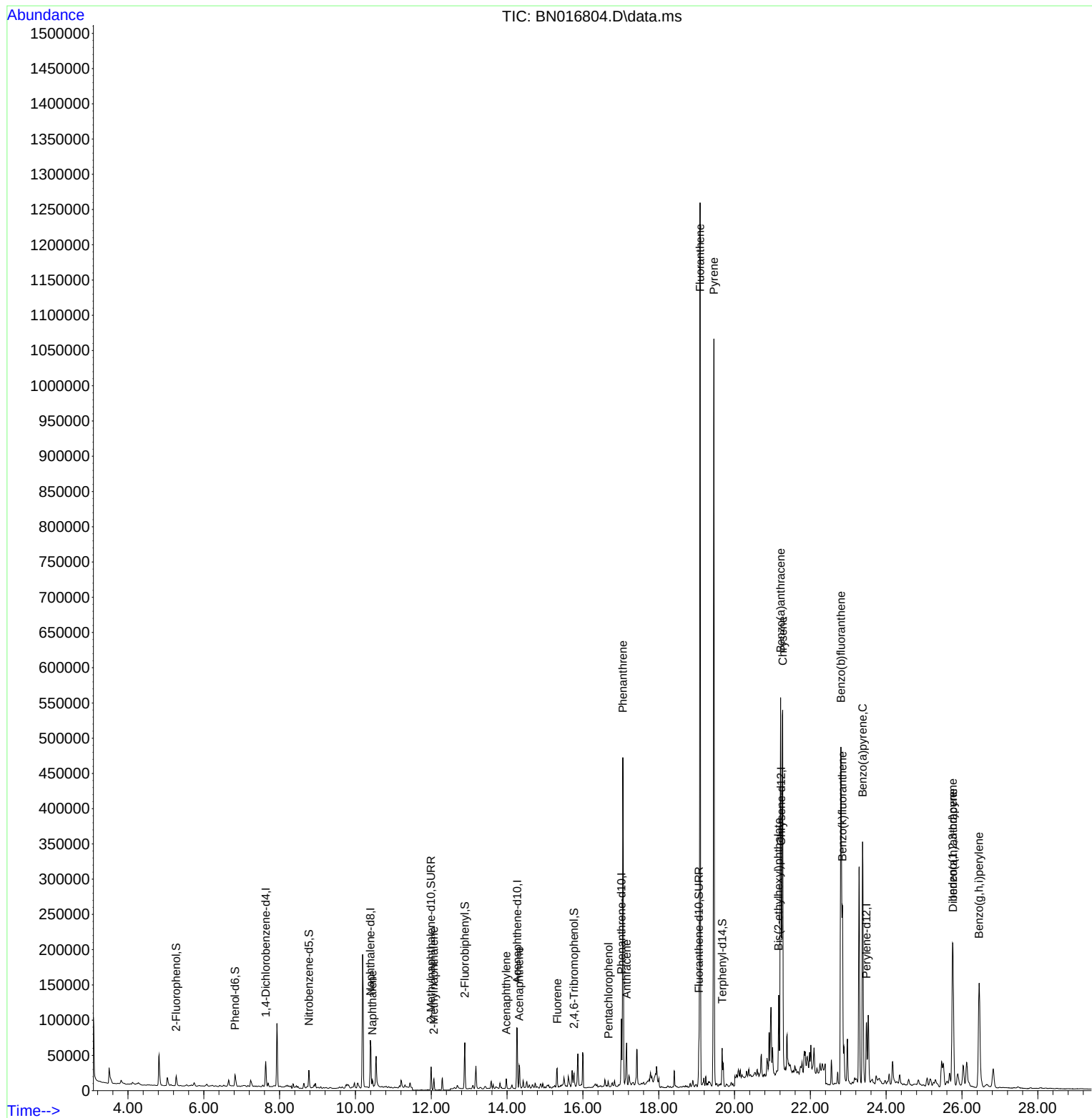
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
Data File : BN016804.D
Acq On : 07 Oct 2021 07:20
Operator : CG/JU
Sample : M3945-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

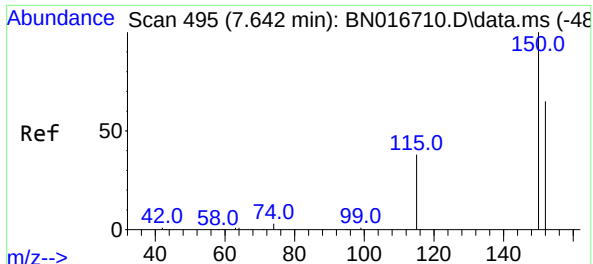
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

Manual Integrations
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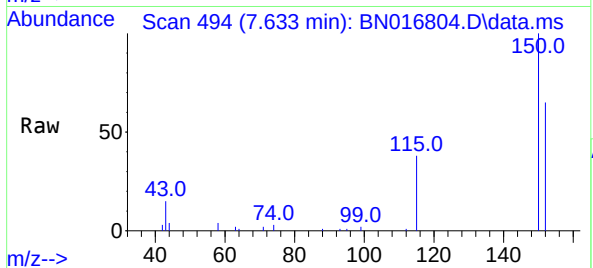
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10/8/2021 8:33:57 AM

Quant Time: Oct 07 07:50:17 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 06 14:22:07 2021
Response via : Initial Calibration

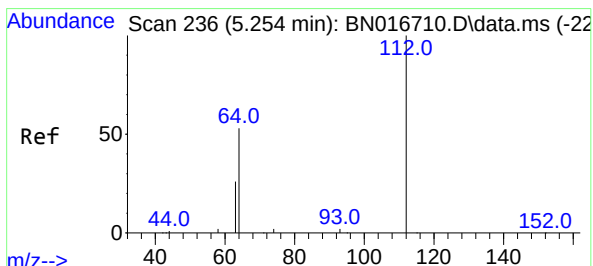
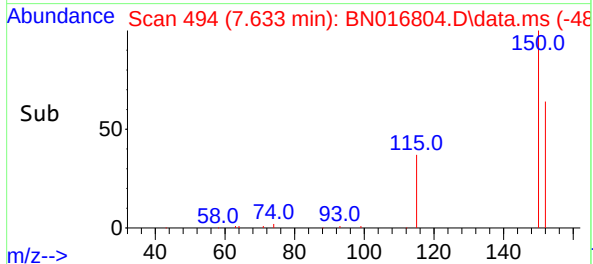
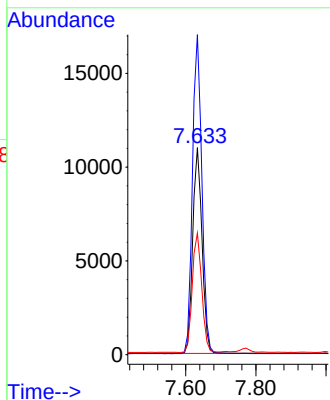




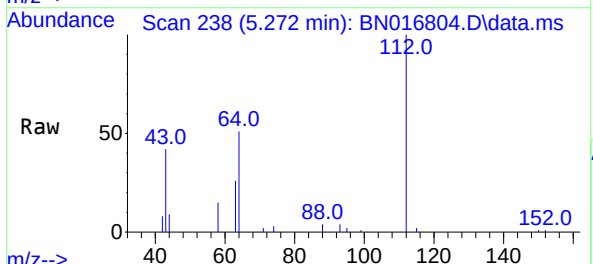
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1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.633 min Scan# 494
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



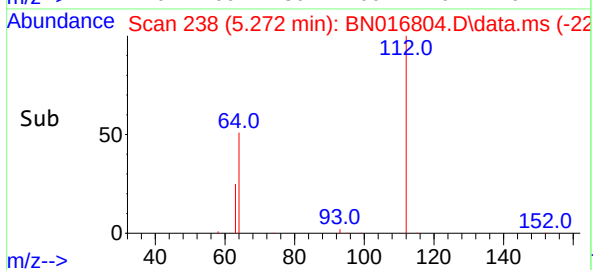
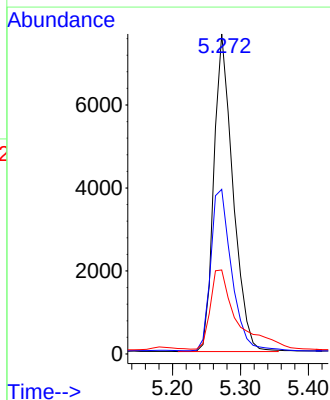
Tgt Ion:152 Resp: 20144
Ion Ratio Lower Upper
152 100
150 154.6 123.3 184.9
115 58.8 47.0 70.6



#4
2-Fluorophenol
Concen: 0.29 ng
RT: 5.272 min Scan# 238
Delta R.T. 0.027 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



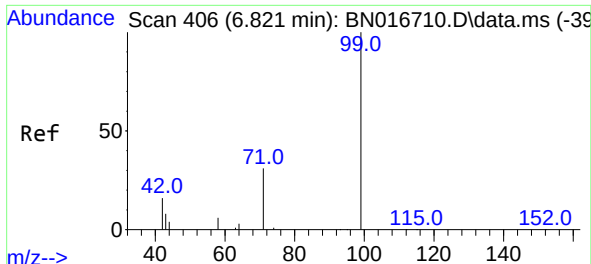
Tgt Ion:112 Resp: 14913
Ion Ratio Lower Upper
112 100
64 55.4 42.9 64.3
63 33.8 21.5 32.3#



Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

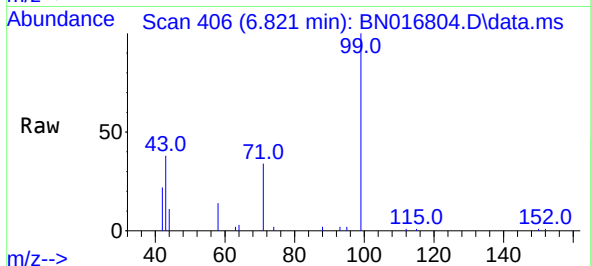
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#5
Phenol-d6
Concen: 0.31 ng
RT: 6.821 min Scan# 406
Delta R.T. 0.009 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

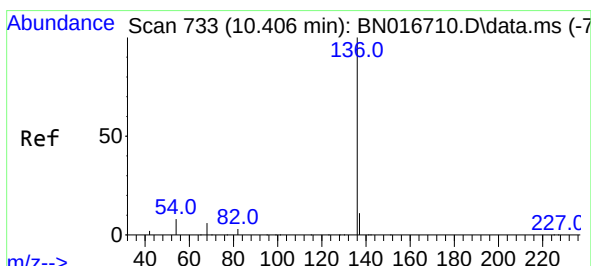
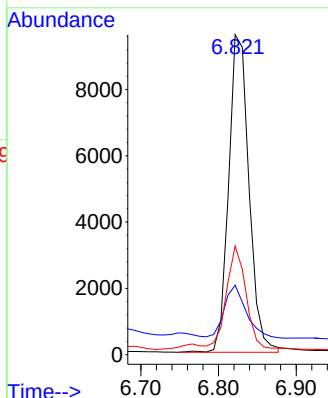
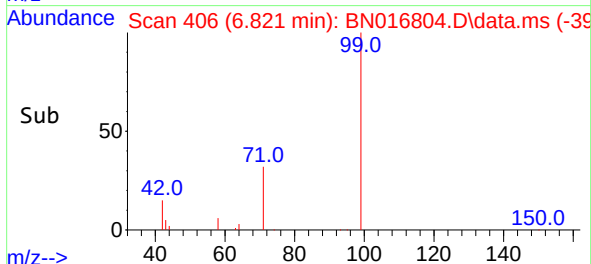


Tgt Ion: 99 Resp: 17409

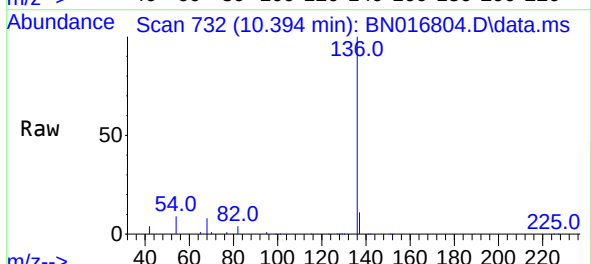
Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.4	20.2
71	30.4	24.0	36.0

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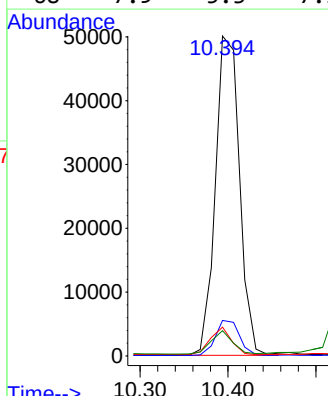
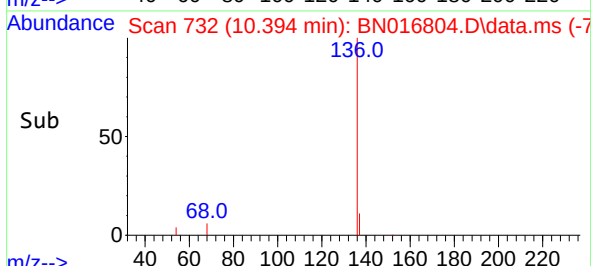


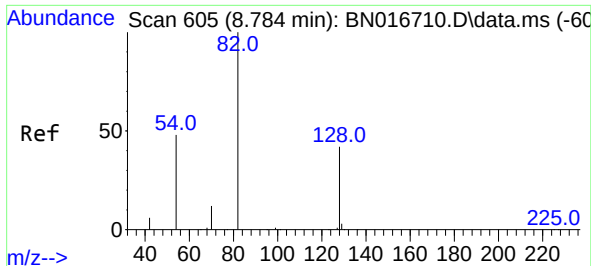
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.013 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



Tgt Ion: 136 Resp: 95729

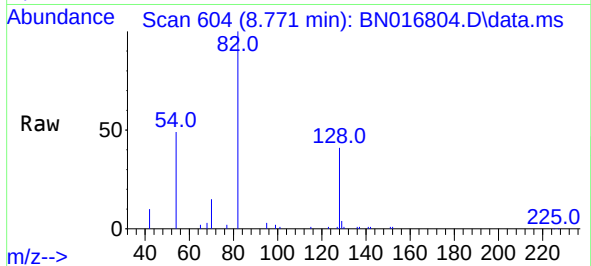
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	6.5	9.7
68	7.9	5.3	7.9





#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.771 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

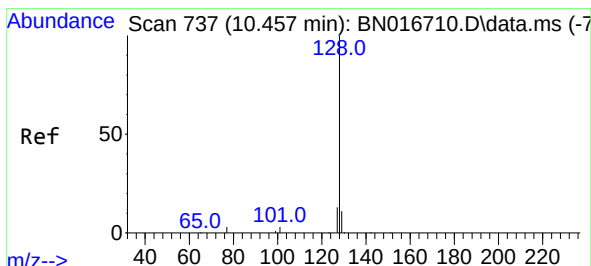
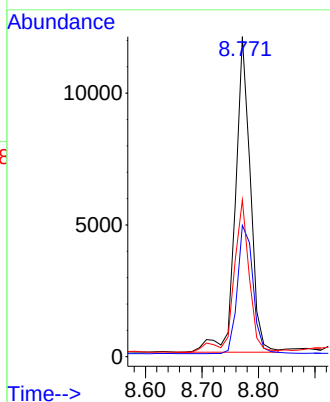
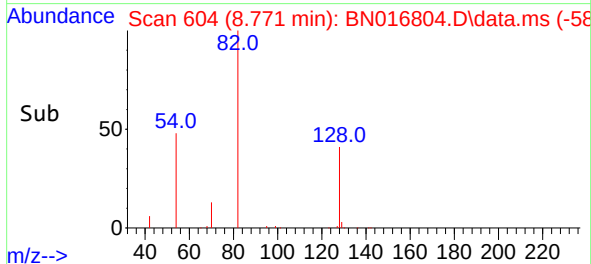
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421



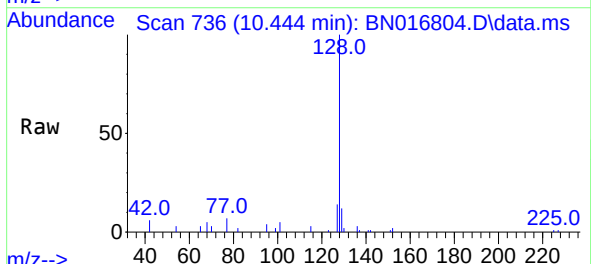
Tgt Ion: 82 Resp: 22016
Ion Ratio Lower Upper
82 100
128 41.1 33.8 50.6
54 49.0 38.5 57.7

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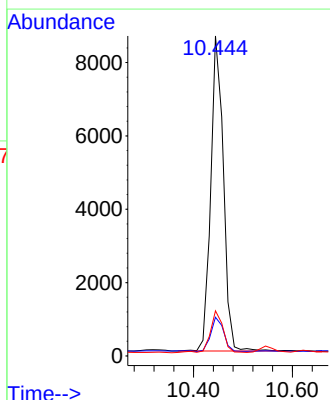
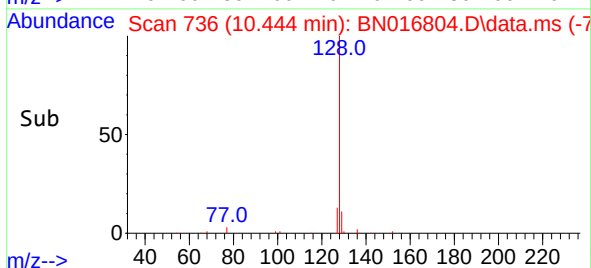
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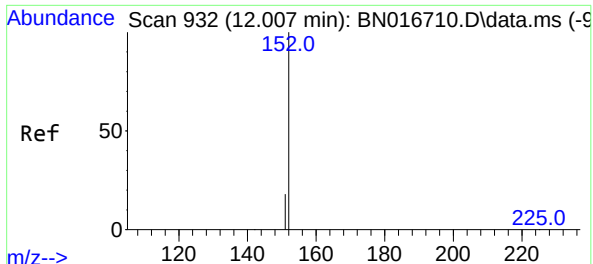


#9
Naphthalene
Concen: 0.06 ng
RT: 10.444 min Scan# 736
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



Tgt Ion: 128 Resp: 15317
Ion Ratio Lower Upper
128 100
129 12.1 8.7 13.1
127 14.1 10.3 15.5





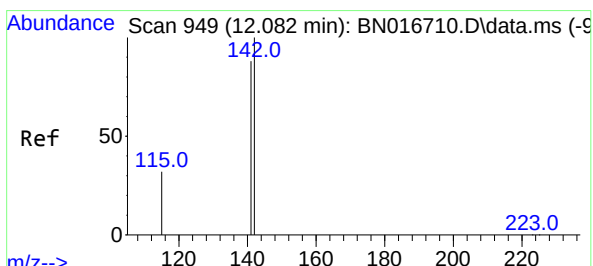
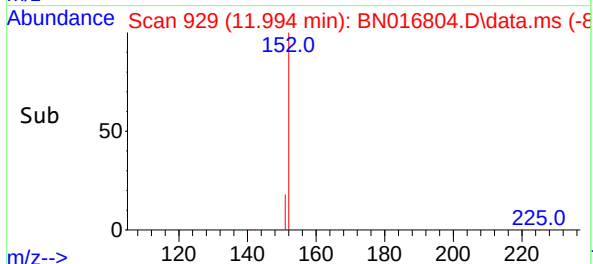
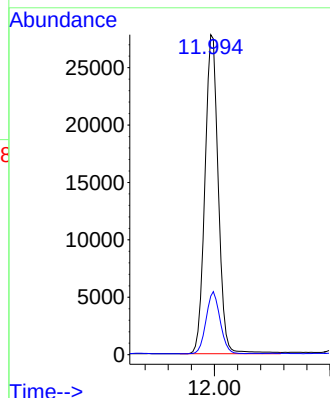
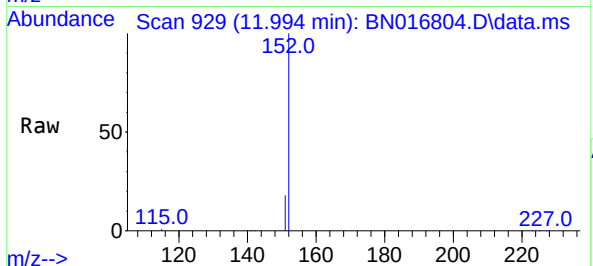
#11
2-Methylnaphthalene-d10
Concen: 0.31 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.005 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:152 Resp: 44747
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.4

Instrument :
BNA_N
ClientSampleId :
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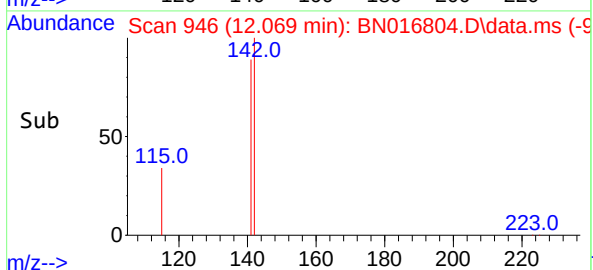
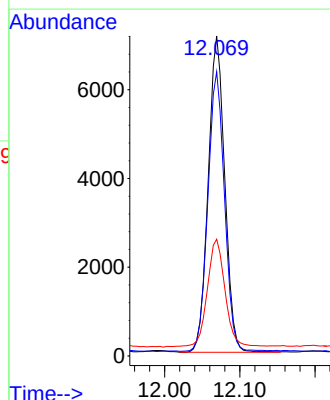
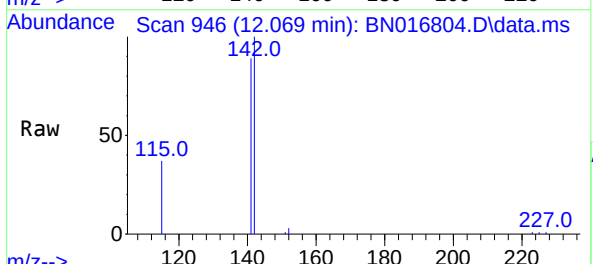
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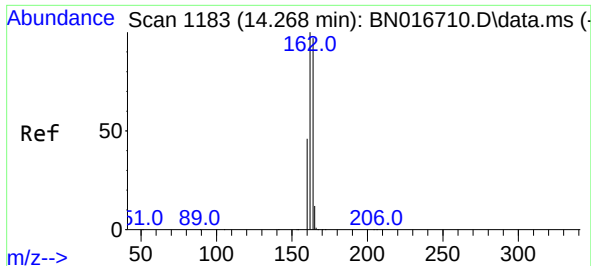
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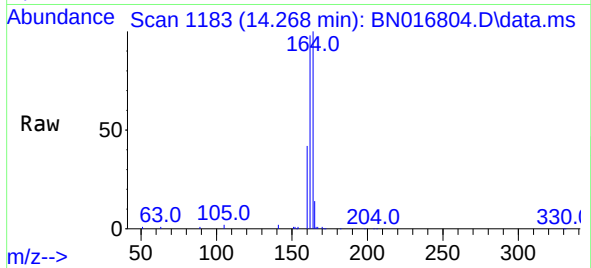
#12
2-Methylnaphthalene
Concen: 0.07 ng
RT: 12.069 min Scan# 946
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:142 Resp: 10869
Ion Ratio Lower Upper
142 100
141 88.8 70.6 106.0
115 36.5 26.1 39.1



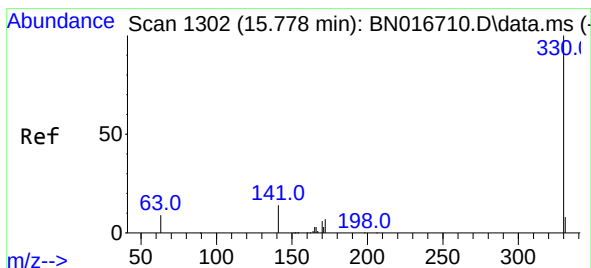
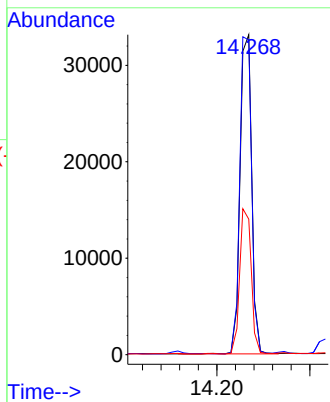
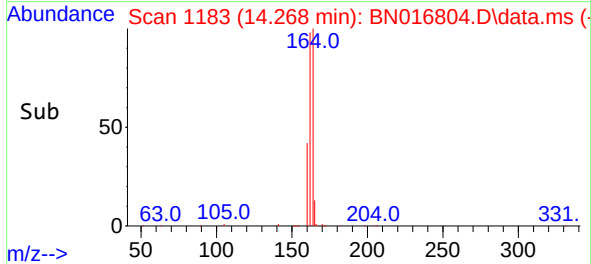


#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.268 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

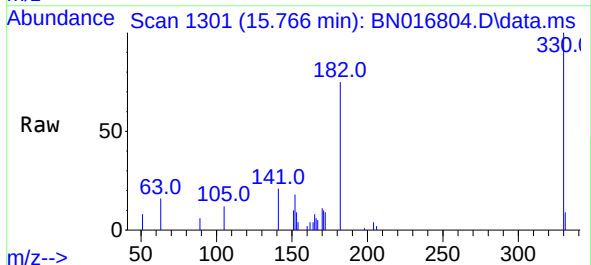


Tgt Ion:164 Resp: 57569

Ion	Ratio	Lower	Upper
164	100		
162	98.4	82.6	124.0
160	42.3	38.2	57.2

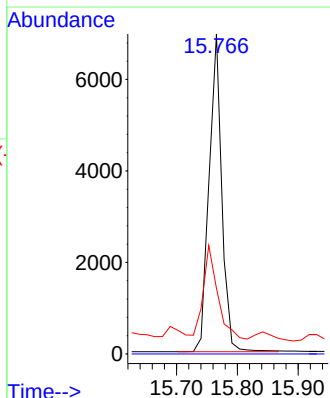
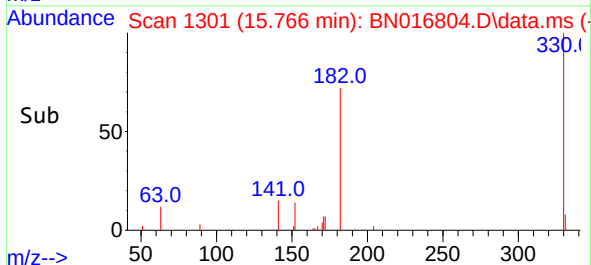


#14
2,4,6-Tribromophenol
Concen: 0.42 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



Tgt Ion:330 Resp: 10126

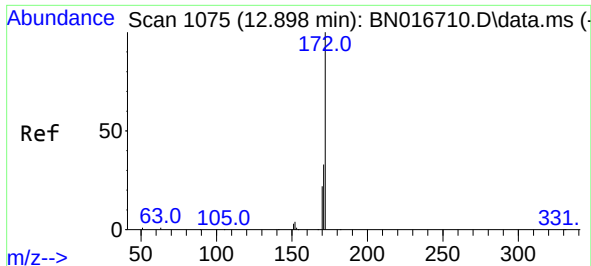
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.0	24.2	36.2



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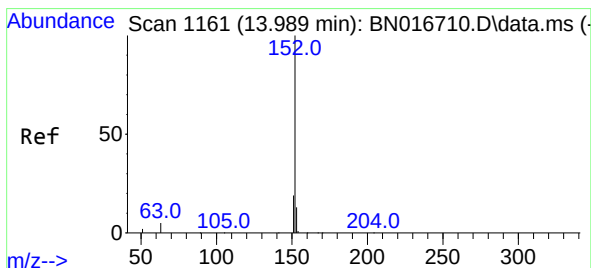
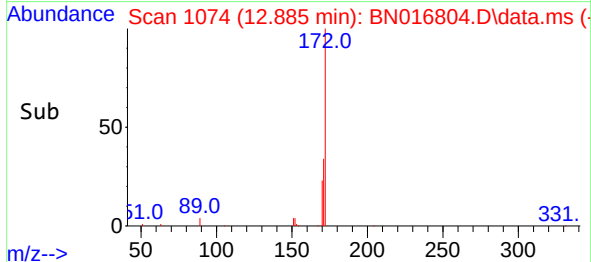
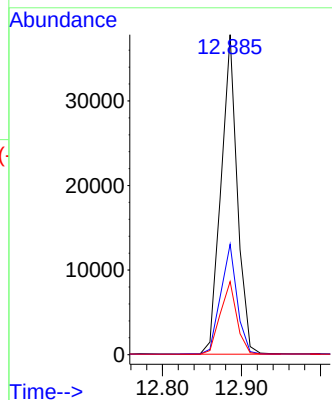
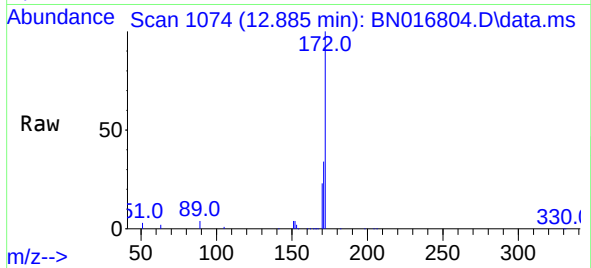
#15
2-Fluorobiphenyl
Concen: 0.24 ng
RT: 12.885 min Scan# 1074
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:	172	Resp:	54116
Ion Ratio	Lower	Upper	
172	100		
171	34.5	26.9	40.3
170	22.8	17.4	26.0

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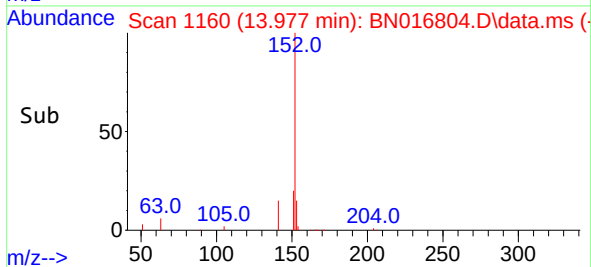
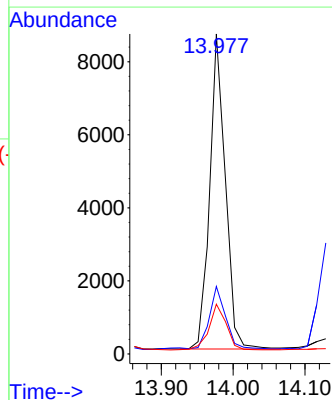
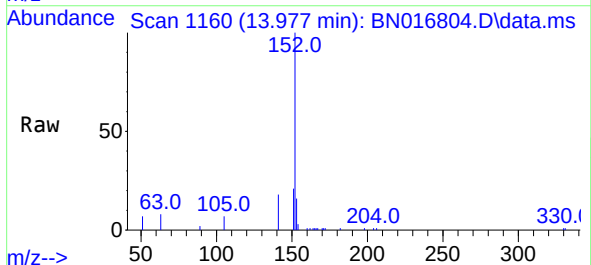
Manual Integrations
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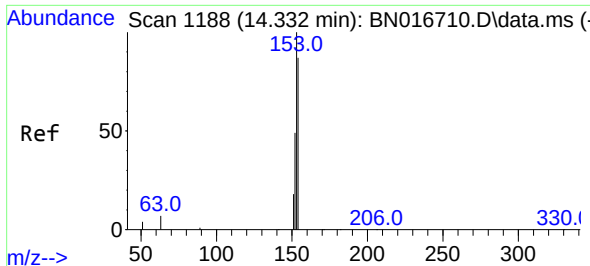
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#16
Acenaphthylene
Concen: 0.05 ng
RT: 13.977 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

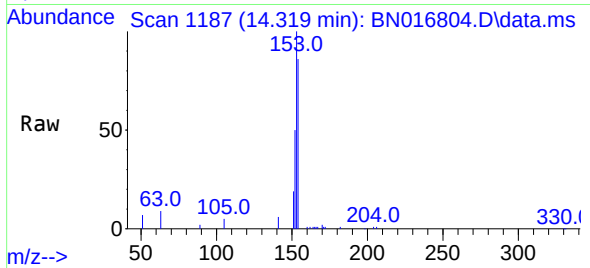
Tgt Ion:	152	Resp:	13067
Ion Ratio	Lower	Upper	
152	100		
151	21.9	15.5	23.3
153	16.2	10.4	15.6#





#17
Acenaphthene
Concen: 0.11 ng
RT: 14.319 min Scan# 1187
Delta R.T. -0.013 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

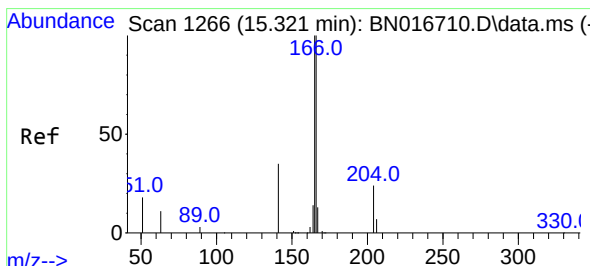
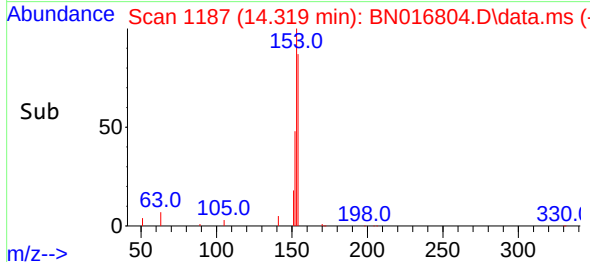
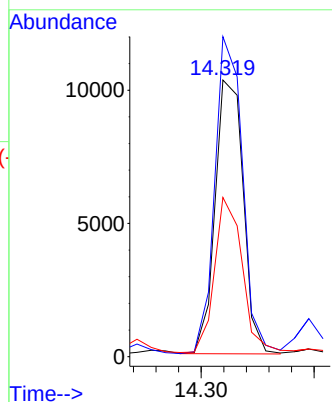
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421



Tgt Ion:154 Resp: 17798
Ion Ratio Lower Upper
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153 113.6 90.1 135.1
152 55.5 43.6 65.4

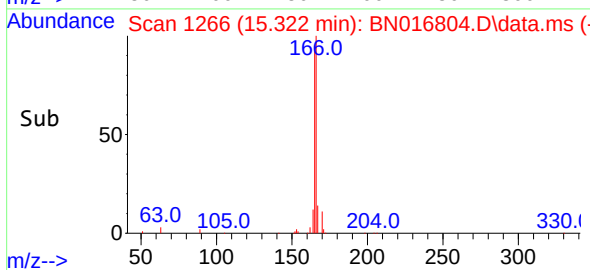
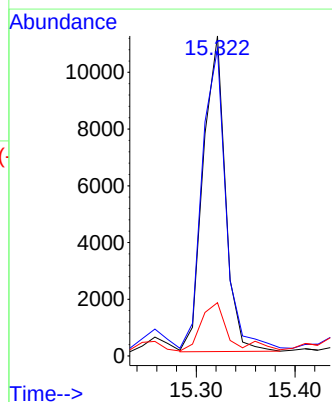
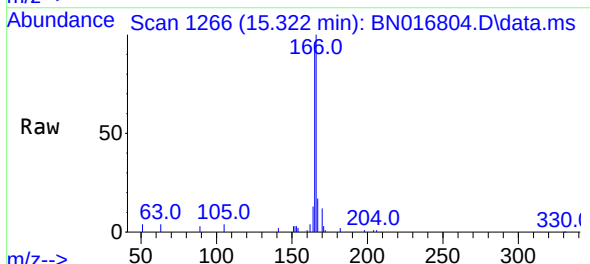
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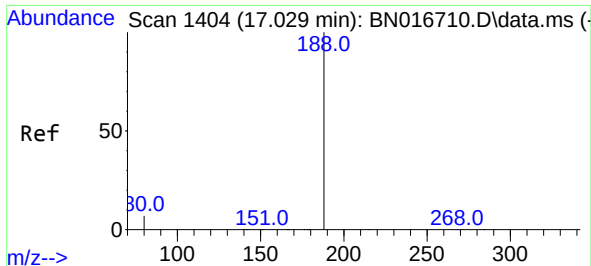
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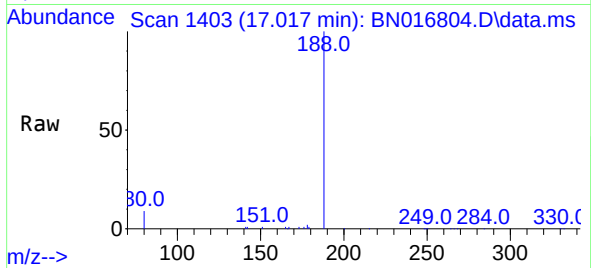
#18
Fluorene
Concen: 0.09 ng
RT: 15.322 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BN016804.D
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Tgt Ion:166 Resp: 17353
Ion Ratio Lower Upper
166 100
165 100.6 78.1 117.1
167 19.2 10.7 16.1#

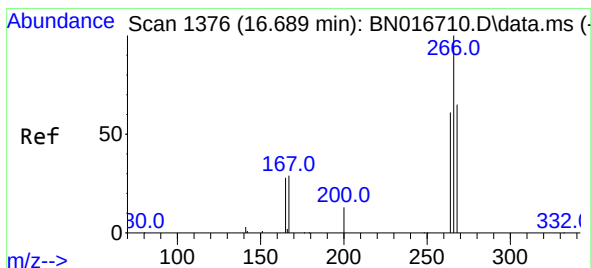
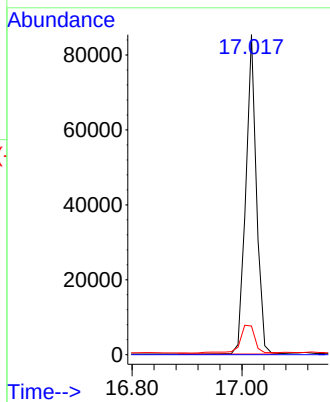
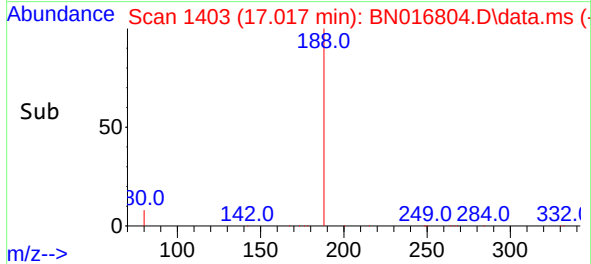




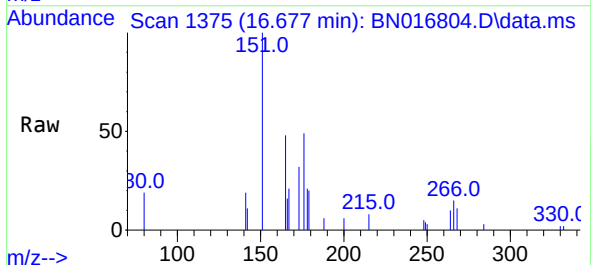
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.017 min Scan# 1403
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



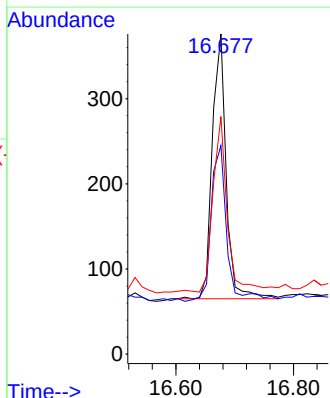
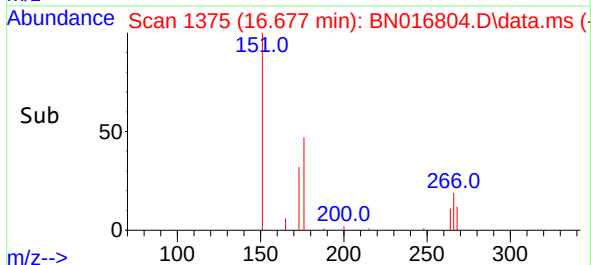
Tgt Ion:188 Resp: 115161
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.0 5.8 8.8#



#24
Pentachlorophenol
Concen: 0.35 ng
RT: 16.677 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



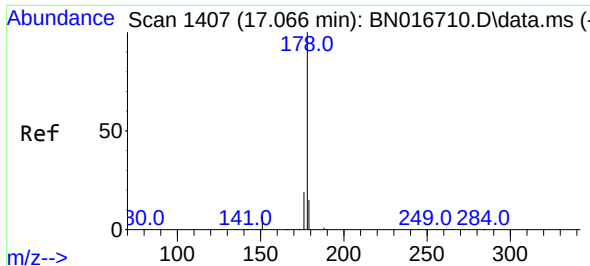
Tgt Ion:266 Resp: 510
Ion Ratio Lower Upper
266 100
264 66.5 49.3 73.9
268 65.7 51.8 77.8



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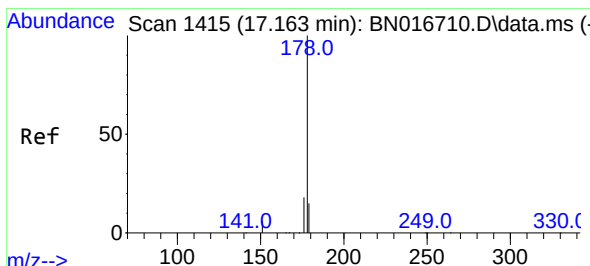
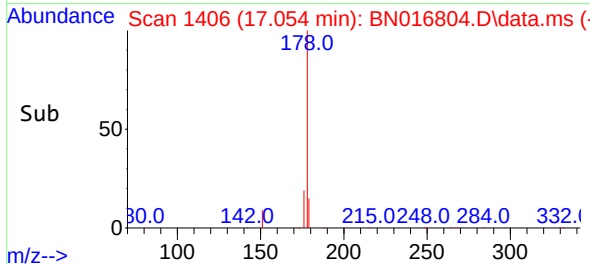
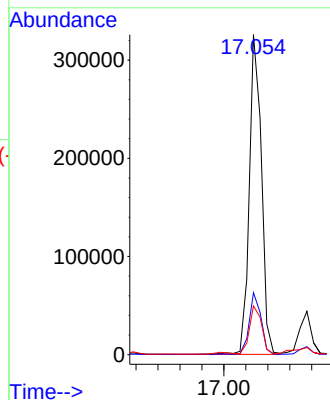
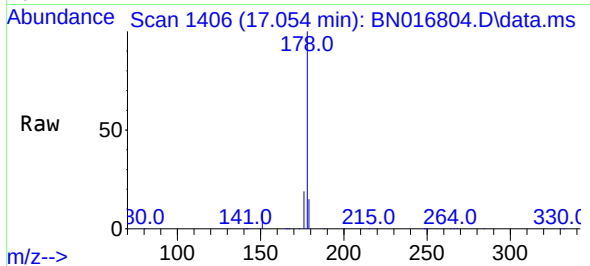
#25
Phenanthrene
Concen: 1.48 ng
RT: 17.054 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:178 Resp: 499837
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 14.9 12.4 18.6

Instrument :
BNA_N
ClientSampleId :
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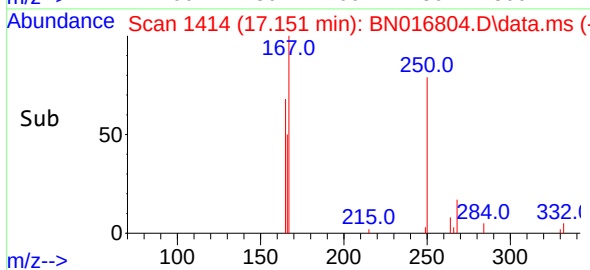
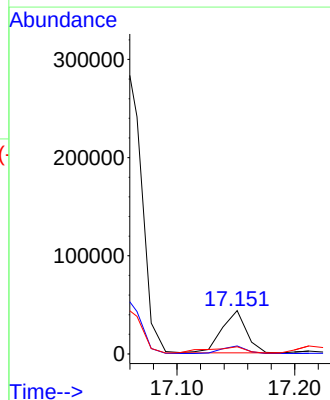
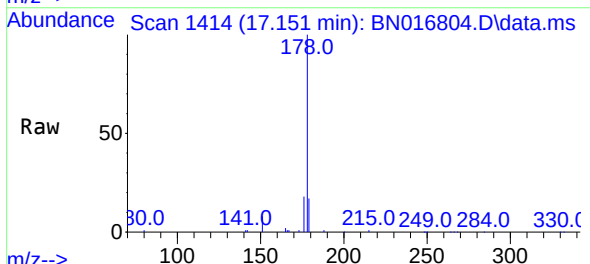
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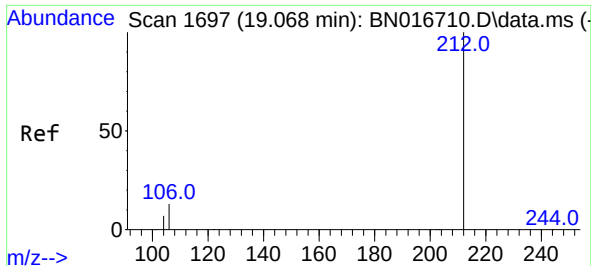
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#26
Anthracene
Concen: 0.21 ng
RT: 17.151 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

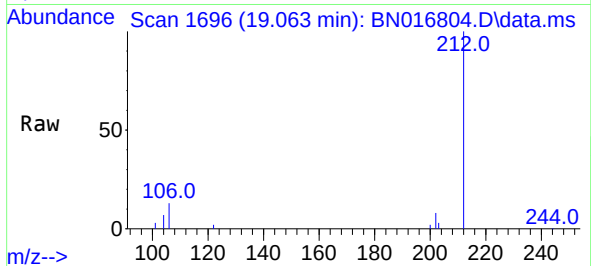
Tgt Ion:178 Resp: 62420
Ion Ratio Lower Upper
178 100
176 18.0 14.5 21.7
179 24.1 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.23 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

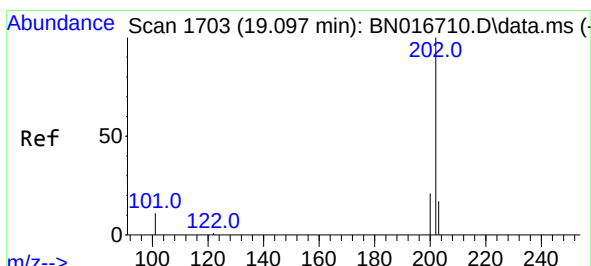
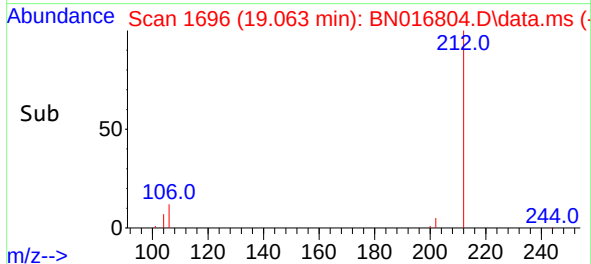
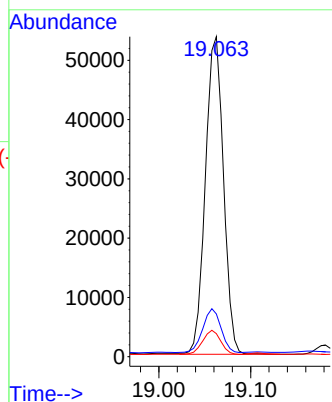
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:212 Resp: 73303
Ion Ratio Lower Upper
212 100
106 13.8 10.6 16.0
104 7.7 5.8 8.8

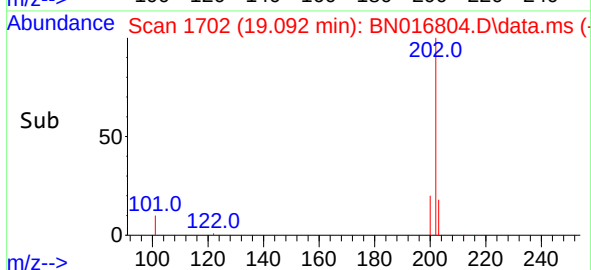
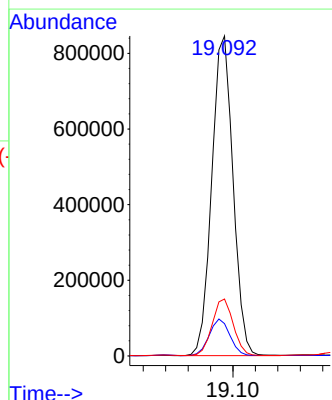
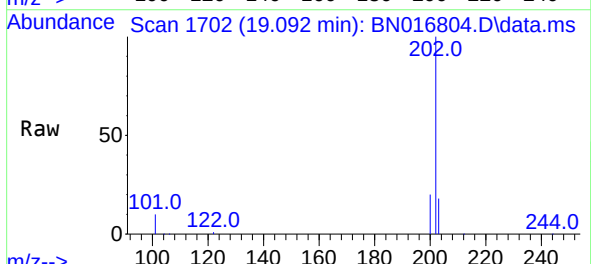
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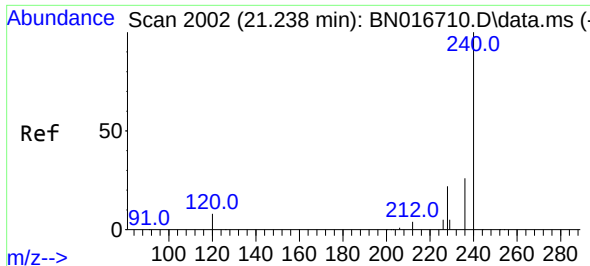
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#28
Fluoranthene
Concen: 2.96 ng
RT: 19.092 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:202 Resp: 1112267
Ion Ratio Lower Upper
202 100
101 11.1 8.9 13.3
203 17.5 13.8 20.8





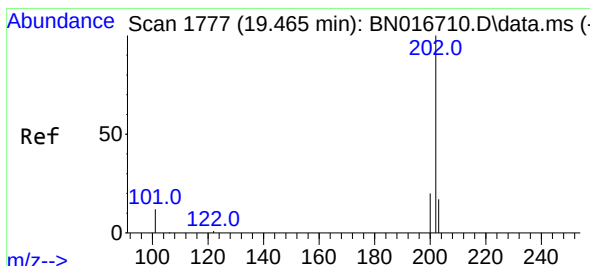
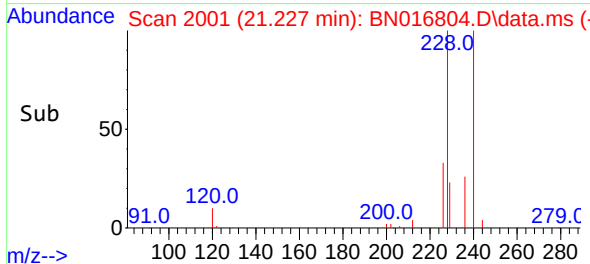
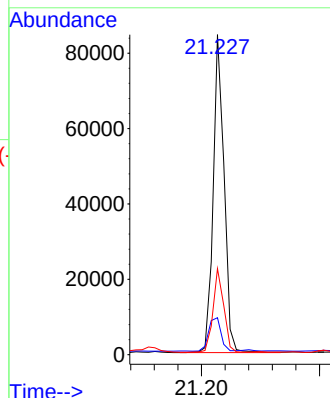
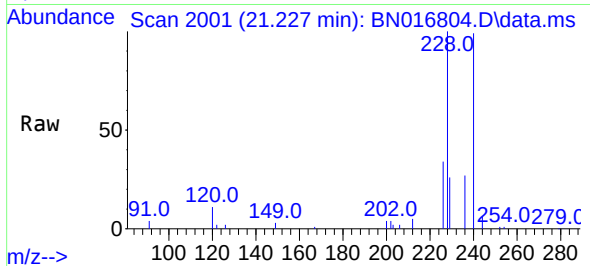
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:240 Resp: 107646
Ion Ratio Lower Upper
240 100
120 11.5 6.6 10.0#
236 26.9 20.7 31.1

Instrument :
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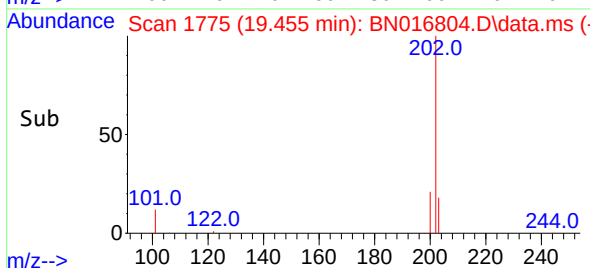
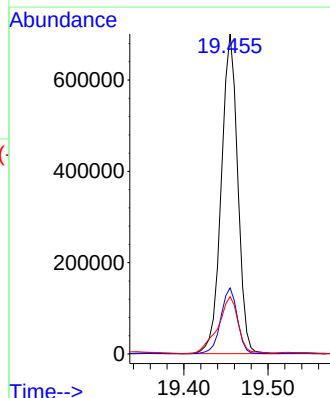
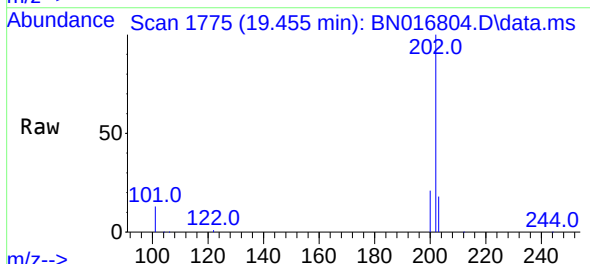
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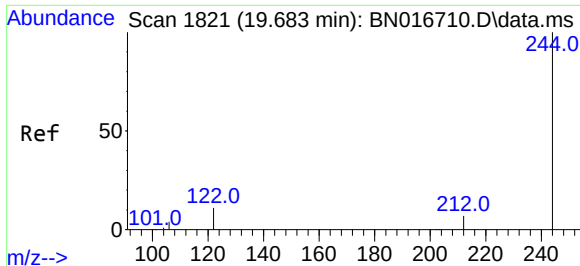
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#30
Pyrene
Concen: 2.67 ng
RT: 19.455 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BN016804.D
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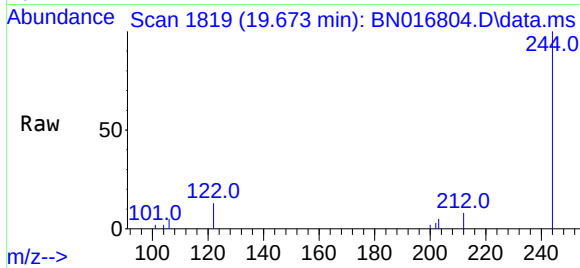
Tgt Ion:202 Resp: 945634
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 21.9 13.9 20.9#





#31
 Terphenyl-d14
 Concen: 0.21 ng
 RT: 19.673 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: BN016804.D
 Acq: 07 Oct 2021 07:20

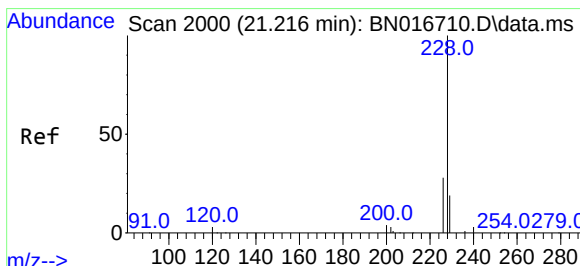
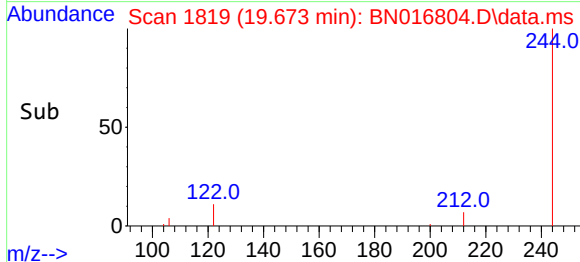
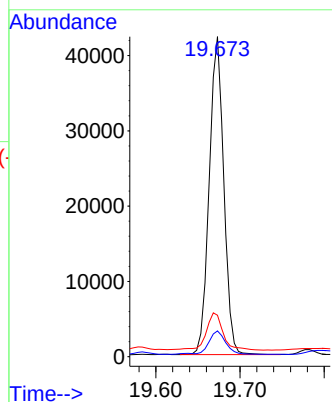
Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion:244 Resp: 50743
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.6
 122 12.9 8.9 13.3

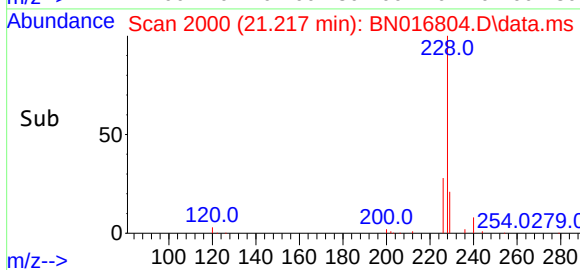
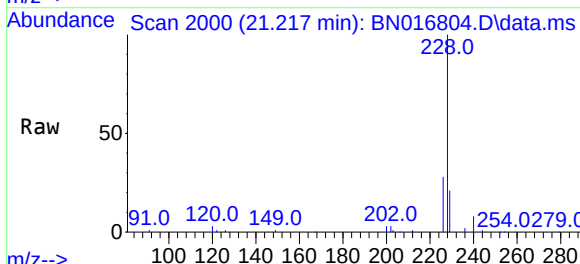
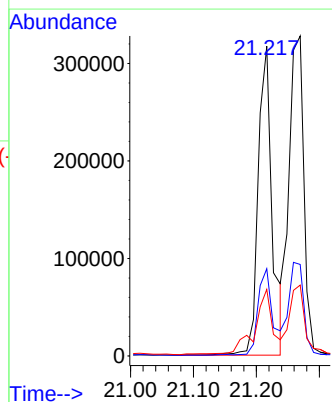
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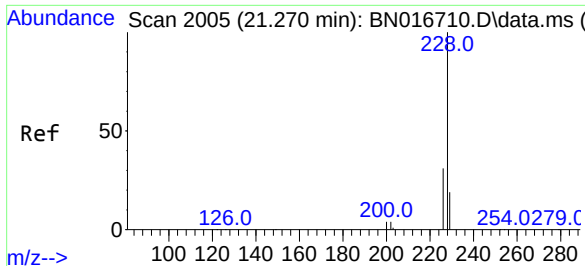
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#32
 Benzo(a)anthracene
 Concen: 1.48 ng
 RT: 21.217 min Scan# 2000
 Delta R.T. -0.000 min
 Lab File: BN016804.D
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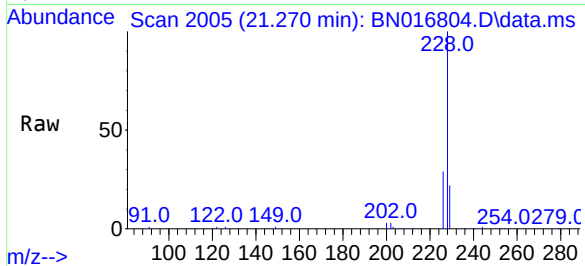
Tgt Ion:228 Resp: 493882
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.3 33.5
 229 21.5 15.4 23.0





#33
Chrysene
Concen: 1.57 ng
RT: 21.270 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

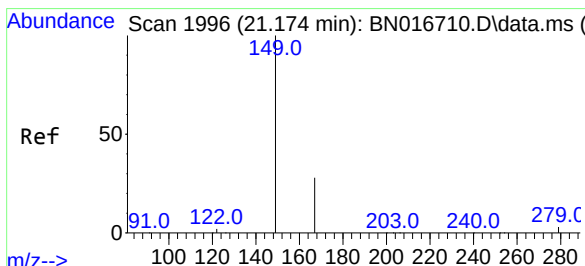
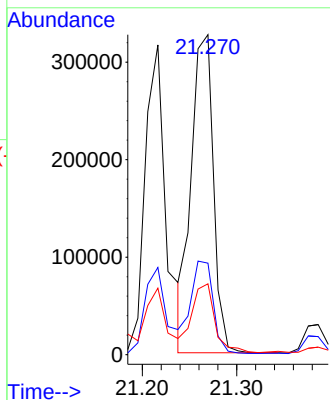
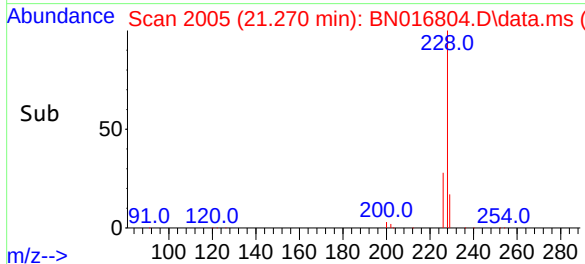
Instrument :
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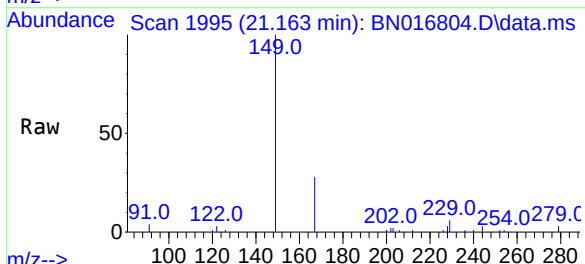
Tgt Ion:228 Resp: 531388
Ion Ratio Lower Upper
228 100
226 28.6 24.2 36.4
229 22.1 15.4 23.0

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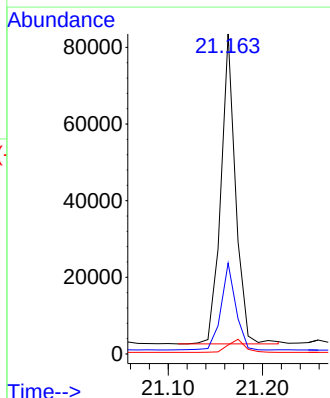
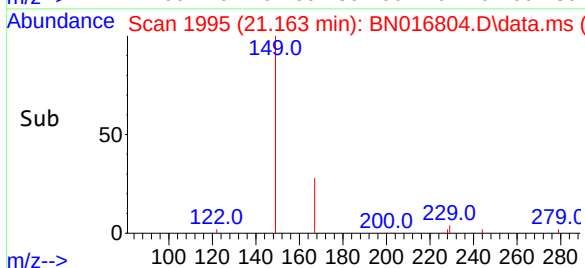
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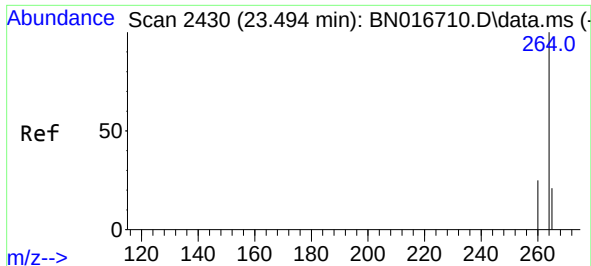


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.43 ng
RT: 21.163 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BN016804.D
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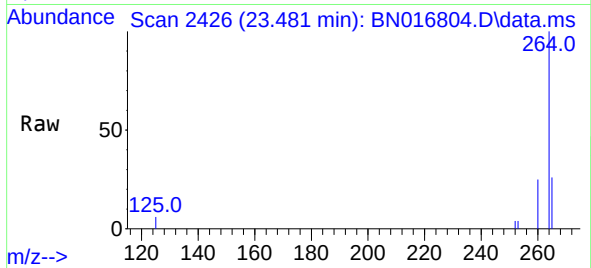
Tgt Ion:149 Resp: 87789
Ion Ratio Lower Upper
149 100
167 28.0 22.2 33.4
279 4.8 3.4 5.2





#35
Perylene-d12
Concen: 0.40 ng
RT: 23.481 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BN016804.D
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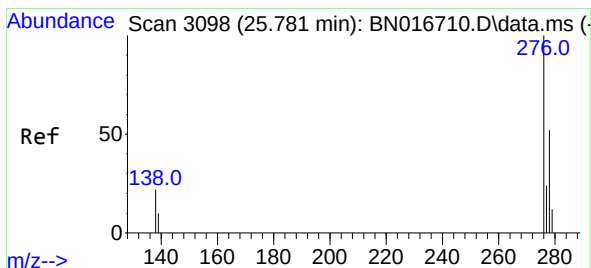
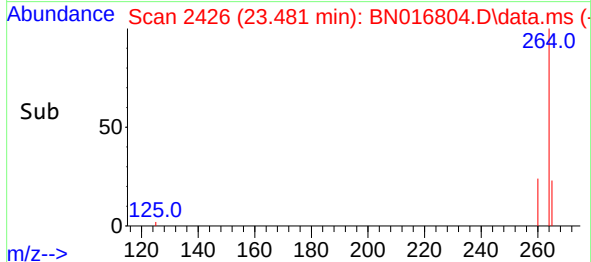
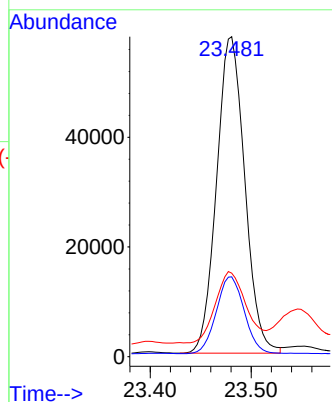
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Tgt Ion:264 Resp: 111867
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.6
265 26.1 20.3 30.5

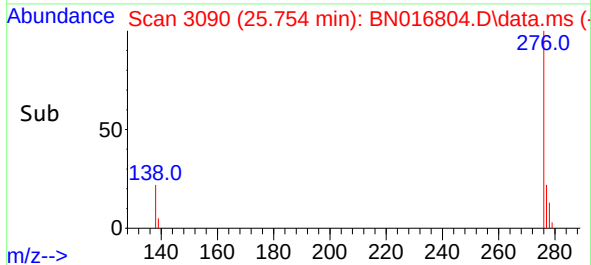
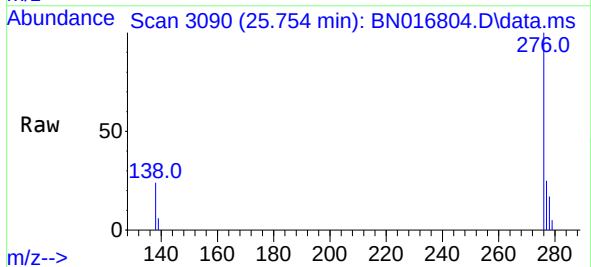
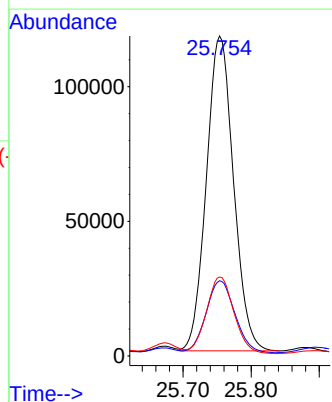
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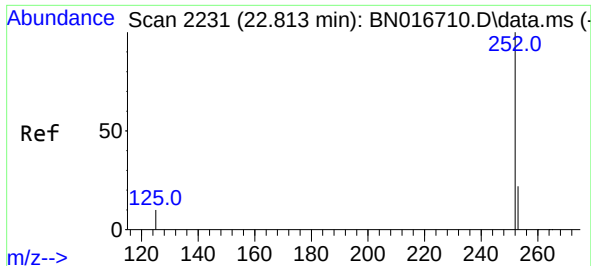
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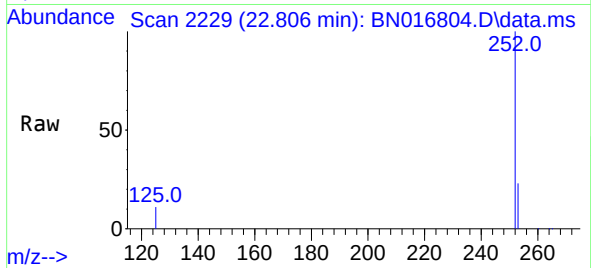
#36
Indeno(1,2,3-cd)pyrene
Concen: 0.91 ng
RT: 25.754 min Scan# 3090
Delta R.T. -0.000 min
Lab File: BN016804.D
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Tgt Ion:276 Resp: 323587
Ion Ratio Lower Upper
276 100
138 24.3 19.2 28.8
277 24.7 20.0 30.0

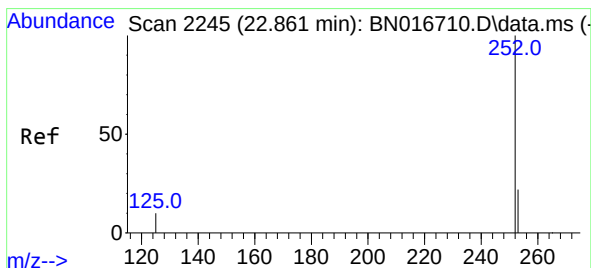
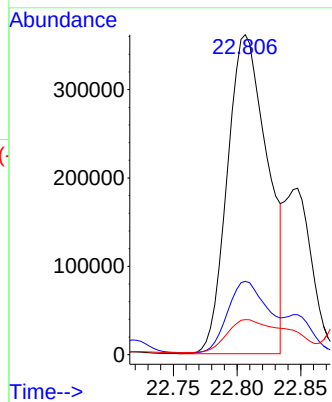
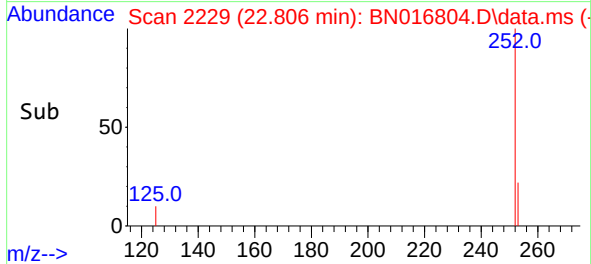




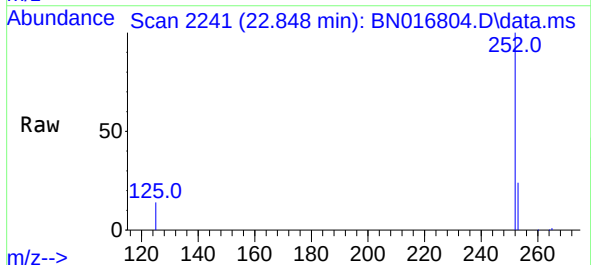
#37
Benzo(b)fluoranthene
Concen: 2.19 ng
RT: 22.806 min Scan# 2229
Delta R.T. 0.003 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



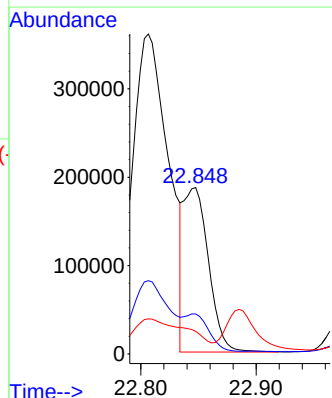
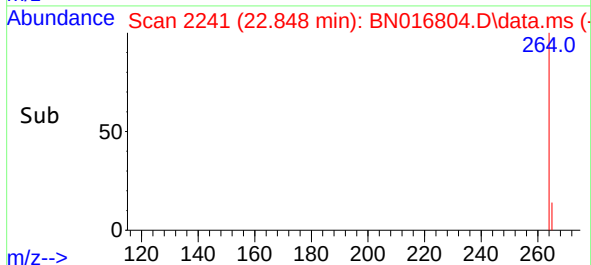
Tgt Ion:252 Resp: 791878
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.9 8.3 12.5



#38
Benzo(k)fluoranthene
Concen: 0.80 ng m
RT: 22.848 min Scan# 2241
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20



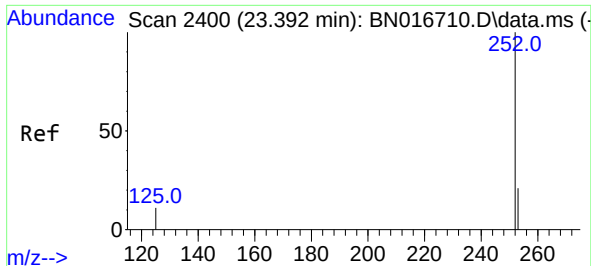
Tgt Ion:252 Resp: 278150
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 13.6 8.5 12.7#



Instrument :
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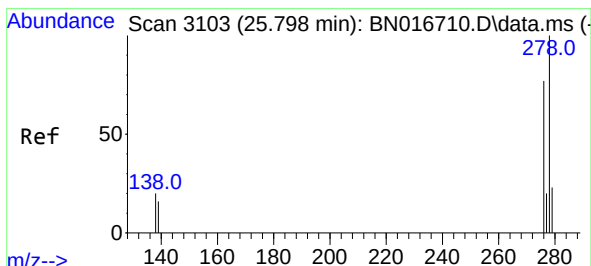
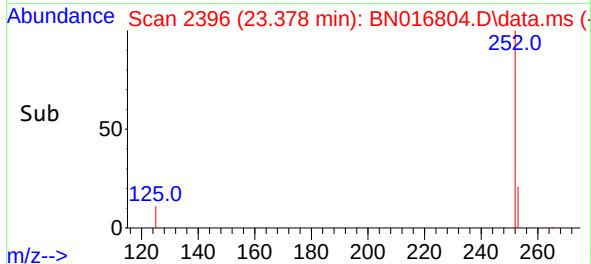
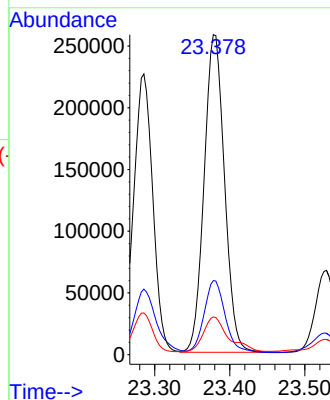
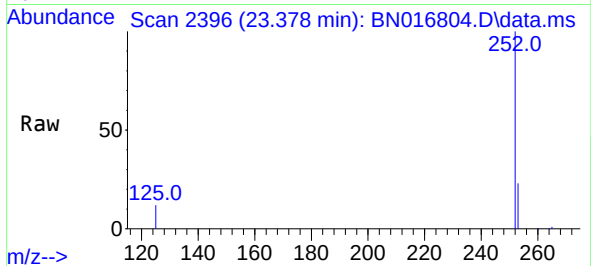
#39
Benzo(a)pyrene
Concen: 1.50 ng
RT: 23.378 min Scan# 2396
Delta R.T. -0.004 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion:252 Resp: 485210
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 11.8 9.4 14.2

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

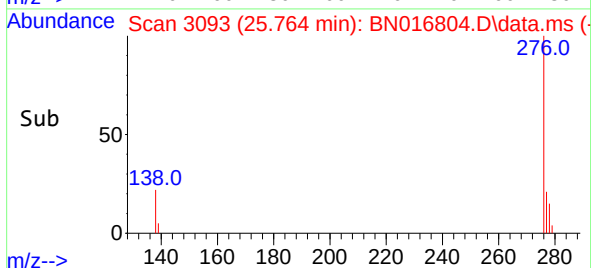
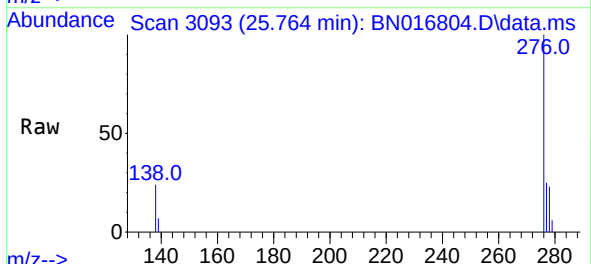
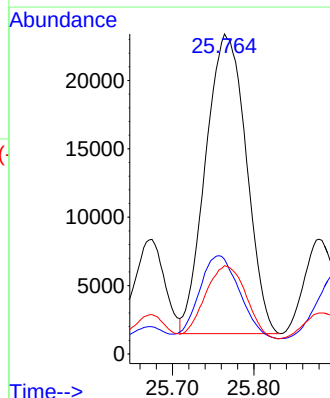
Manual Integrations
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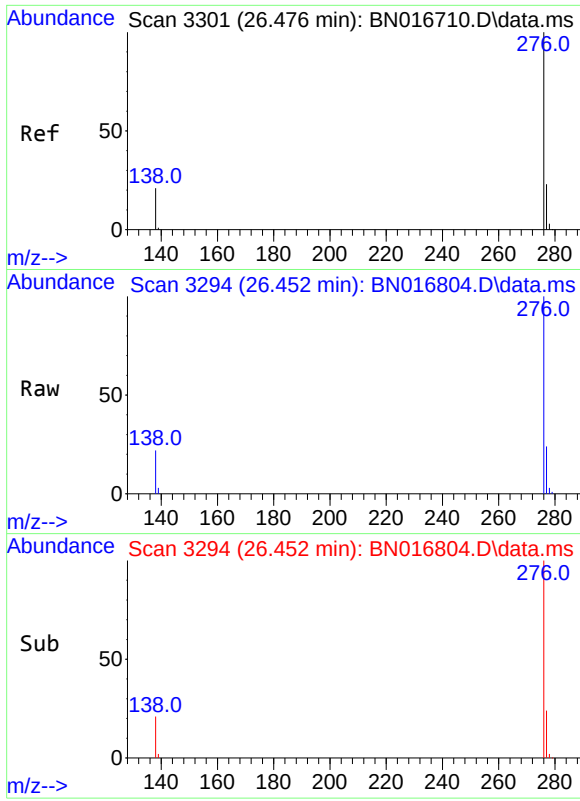
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#40
Dibenzo(a,h)anthracene
Concen: 0.27 ng
RT: 25.764 min Scan# 3093
Delta R.T. -0.014 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

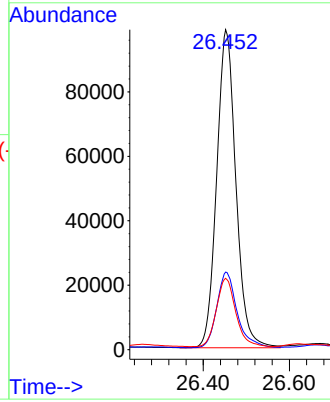
Tgt Ion:278 Resp: 75909
Ion Ratio Lower Upper
278 100
139 29.5 13.1 19.7#
279 27.6 19.3 28.9





#41
Benzo(g,h,i)perylene
Concen: 0.97 ng
RT: 26.452 min Scan# 3294
Delta R.T. -0.000 min
Lab File: BN016804.D
Acq: 07 Oct 2021 07:20

Tgt Ion: 276 Resp: 305435
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.4
138 22.3 17.0 25.6



Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-0-0.5-092421

Manual Integrations
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