

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
 Data File : BN016802.D
 Acq On : 07 Oct 2021 06:08
 Operator : CG/JU
 Sample : M3945-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-817-N-SO-1-1.5-092421

Manual Integrations
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 10/7/2021 8:51:47 AM

Quant Time: Oct 07 06:39:46 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	20875	0.40	ng	0.00
7) Naphthalene-d8	10.394	136	98971	0.40	ng	-0.01
13) Acenaphthene-d10	14.256	164	57687	0.40	ng	-0.01
19) Phenanthrene-d10	17.018	188	117434	0.40	ng	0.00
29) Chrysene-d12	21.228	240	115036	0.40	ng	# 0.00
35) Perylene-d12	23.481	264	120861	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	16601	0.31	ng	0.03
5) Phenol-d6	6.822	99	18252	0.31	ng	0.00
8) Nitrobenzene-d5	8.772	82	20937	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	47650	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	10416	0.43	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	59421	0.26	ng	0.00
27) Fluoranthene-d10	19.058	212	85890	0.27	ng	0.00
31) Terphenyl-d14	19.674	244	61660	0.24	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.445	128	33430	0.12	ng	98
12) 2-Methylnaphthalene	12.070	142	31589	0.18	ng	99
16) Acenaphthylene	13.977	152	50237	0.20	ng	96
17) Acenaphthene	14.320	154	8710	0.05	ng	92
18) Fluorene	15.322	166	12155	0.06	ng	# 86
24) Pentachlorophenol	16.677	266	365	0.35	ng	94
25) Phenanthrene	17.054	178	299679m	0.87	ng	
26) Anthracene	17.152	178	58868	0.19	ng	# 95
28) Fluoranthene	19.088	202	678118	1.77	ng	100
30) Pyrene	19.455	202	614518	1.62	ng	# 95
32) Benzo(a)anthracene	21.217	228	362595	1.02	ng	94
33) Chrysene	21.259	228	352122	0.97	ng	97
34) Bis(2-ethylhexyl)phtha...	21.164	149	43267	0.20	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.754	276	280150	0.73	ng	98
37) Benzo(b)fluoranthene	22.807	252	590861	1.51	ng	97
38) Benzo(k)fluoranthene	22.845	252	207705m	0.55	ng	
39) Benzo(a)pyrene	23.382	252	380069	1.09	ng	99
40) Dibenzo(a,h)anthracene	25.775	278	71654	0.24	ng	# 84
41) Benzo(g,h,i)perylene	26.456	276	252816	0.74	ng	98

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

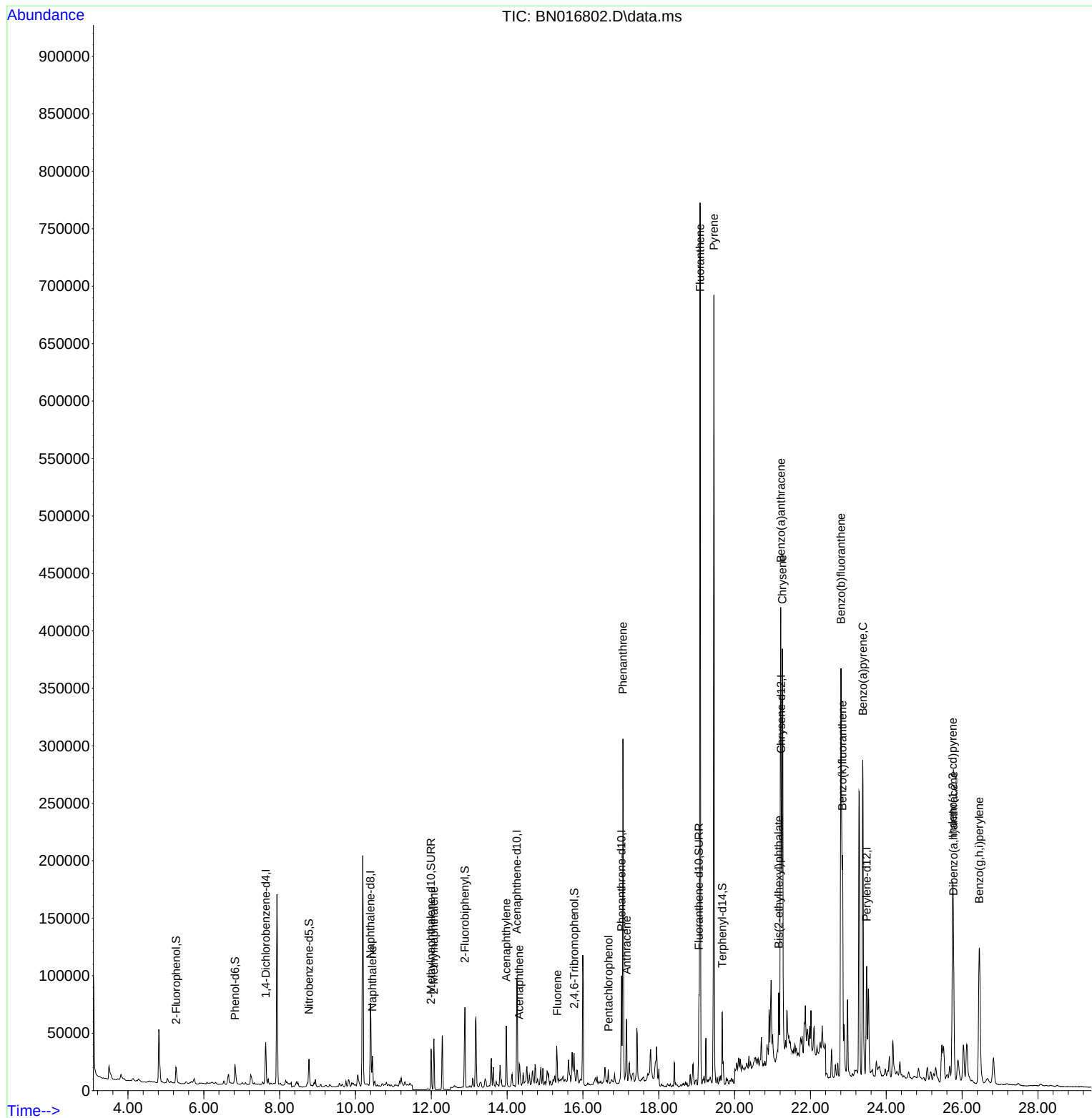
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
Data File : BN016802.D
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ALS Vial : 26 Sample Multiplier: 1

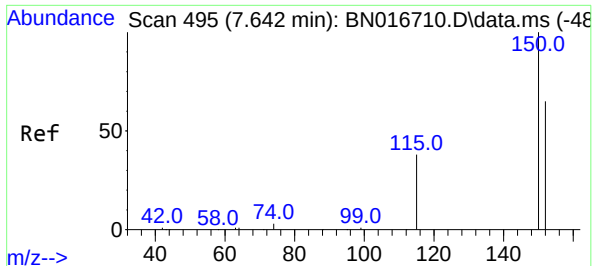
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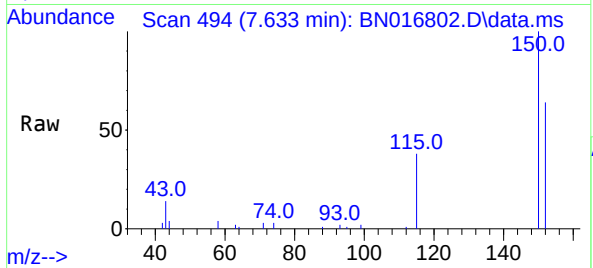
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Quant Time: Oct 07 06:39:46 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 06 14:22:07 2021
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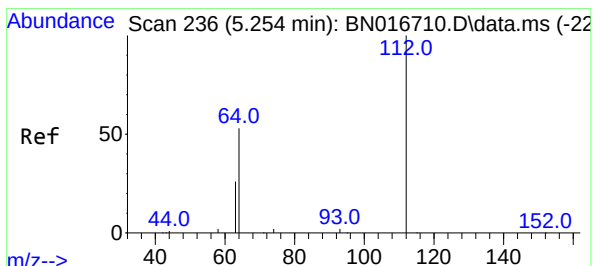
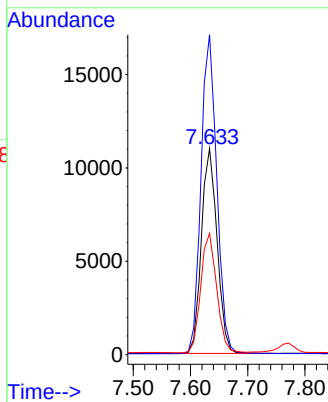
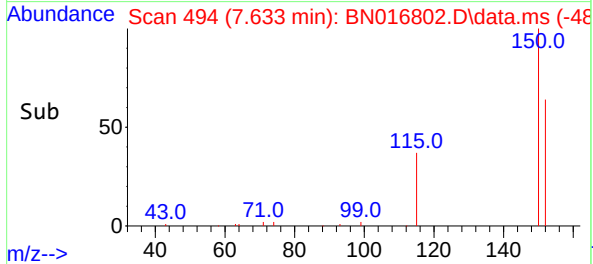




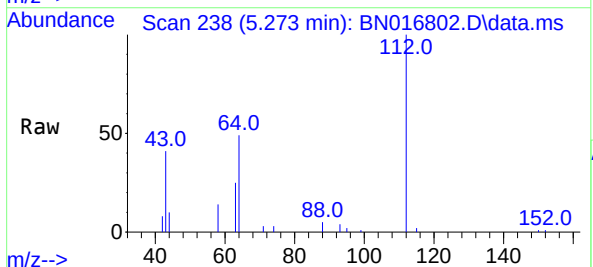
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.633 min Scan# 494
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



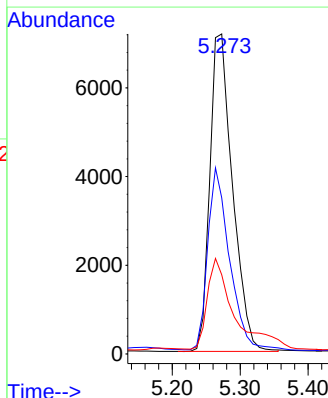
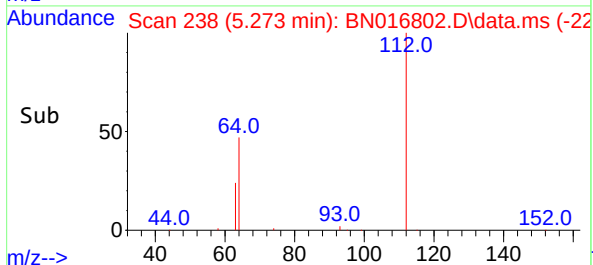
Tgt Ion:152 Resp: 20875
Ion Ratio Lower Upper
152 100
150 155.3 123.3 184.9
115 58.9 47.0 70.6



#4
2-Fluorophenol
Concen: 0.31 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.028 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



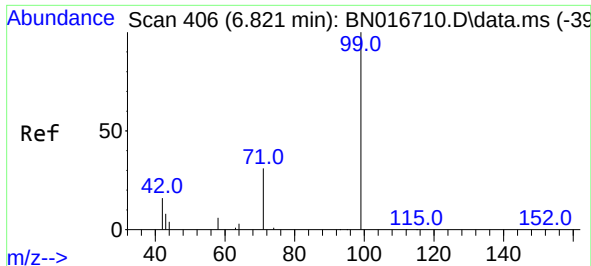
Tgt Ion:112 Resp: 16601
Ion Ratio Lower Upper
112 100
64 54.8 42.9 64.3
63 33.4 21.5 32.3#



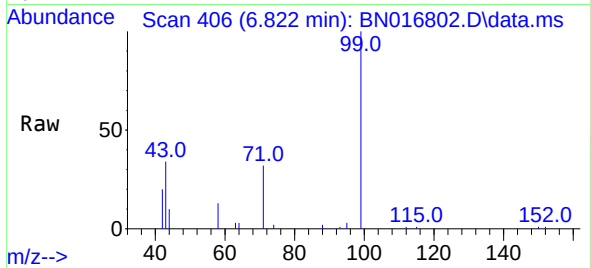
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ClientSampleId :
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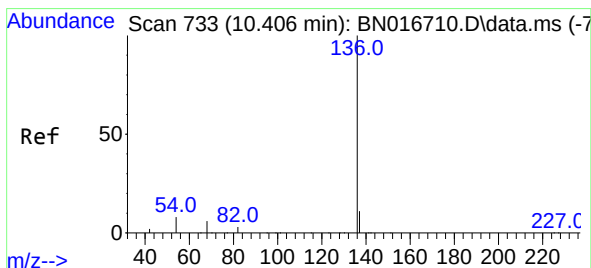
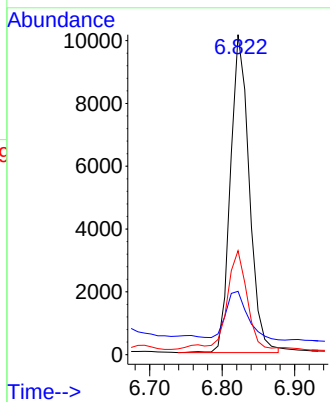
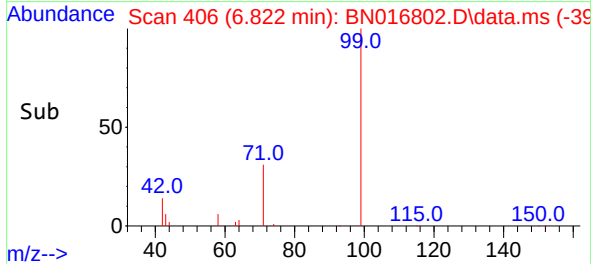


#5
Phenol-d6
Concen: 0.31 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.009 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

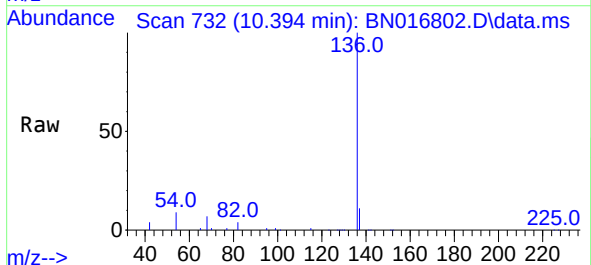


Tgt Ion: 99 Resp: 18252

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.4	20.2
71	33.2	24.0	36.0

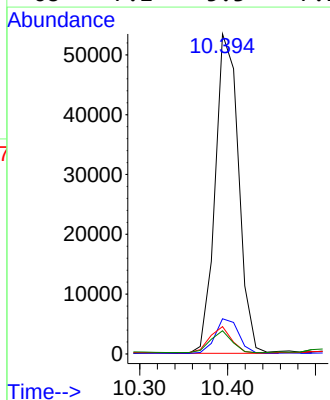
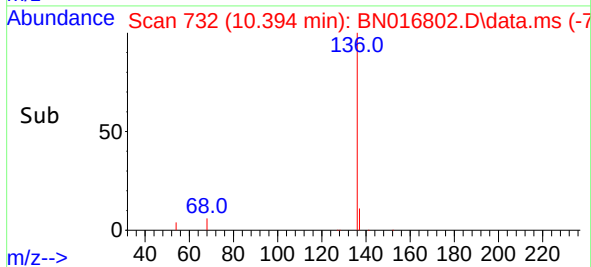


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.012 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



Tgt Ion: 136 Resp: 98971

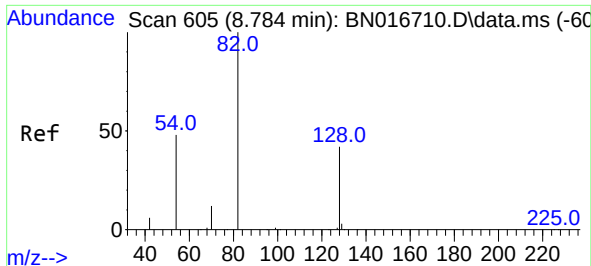
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.6	6.5	9.7
68	7.2	5.3	7.9



Instrument :
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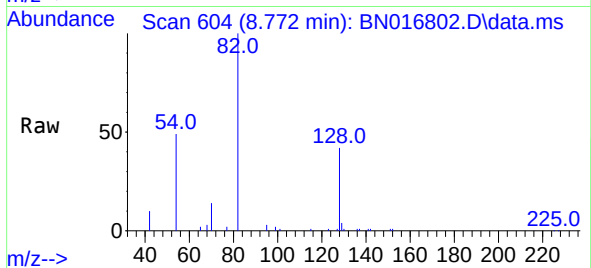
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#8
Nitrobenzene-d5
Concen: 0.30 ng
RT: 8.772 min Scan# 604
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

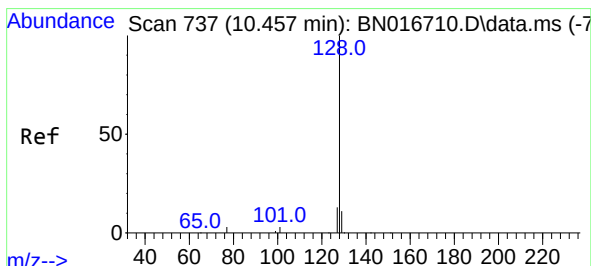
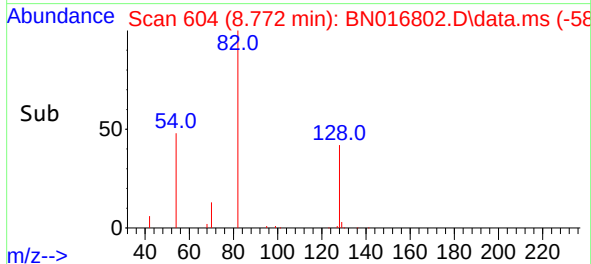
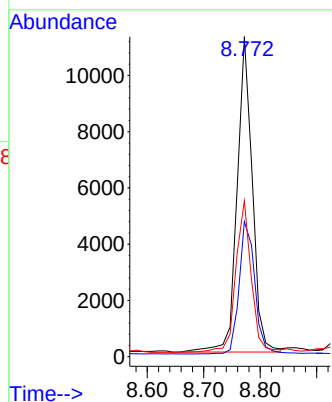
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421



Tgt Ion: 82 Resp: 20937
Ion Ratio Lower Upper
82 100
128 42.2 33.8 50.6
54 48.7 38.5 57.7

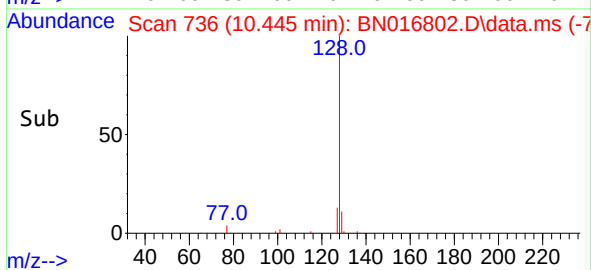
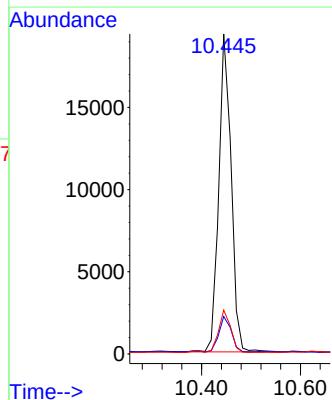
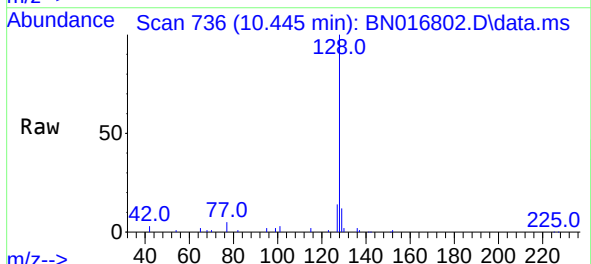
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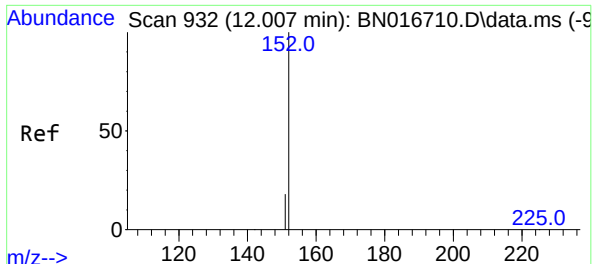
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#9
Naphthalene
Concen: 0.12 ng
RT: 10.445 min Scan# 736
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion: 128 Resp: 33430
Ion Ratio Lower Upper
128 100
129 11.7 8.7 13.1
127 13.7 10.3 15.5





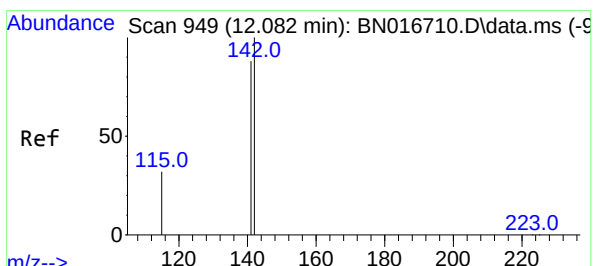
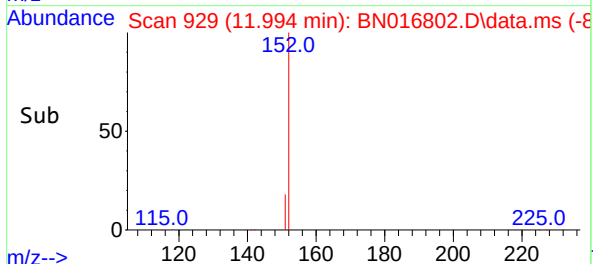
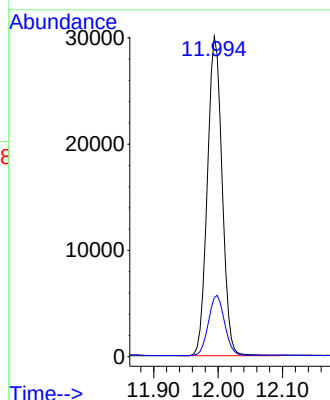
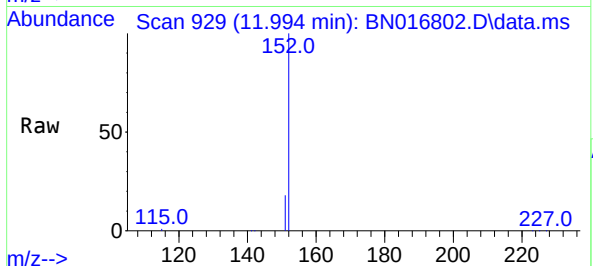
#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.004 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:152 Resp: 47650
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4

Instrument :
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ClientSampleId :
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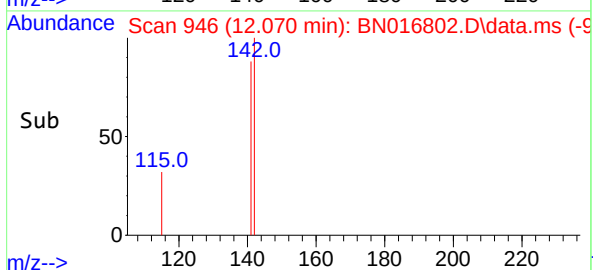
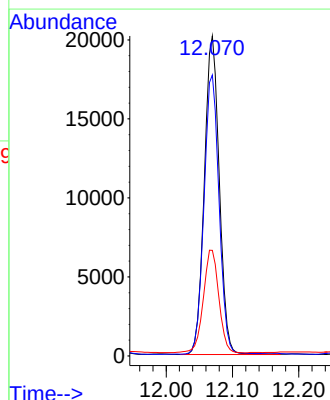
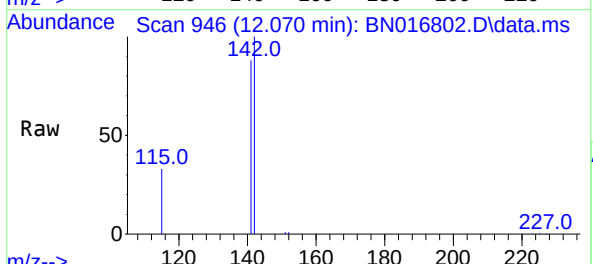
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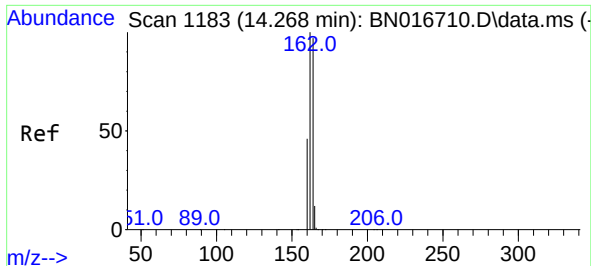
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#12
2-Methylnaphthalene
Concen: 0.18 ng
RT: 12.070 min Scan# 946
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:142 Resp: 31589
Ion Ratio Lower Upper
142 100
141 87.8 70.6 106.0
115 33.0 26.1 39.1





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.256 min Scan# 1182
Delta R.T. -0.012 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

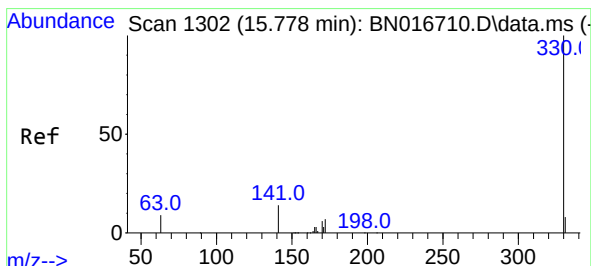
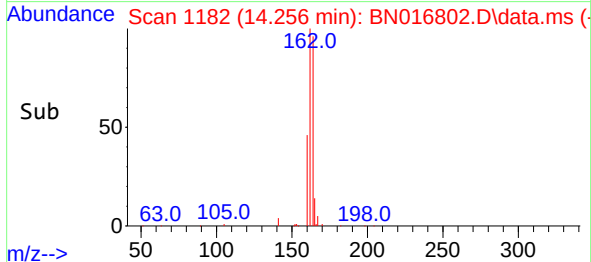
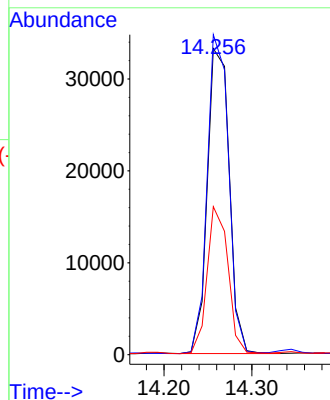
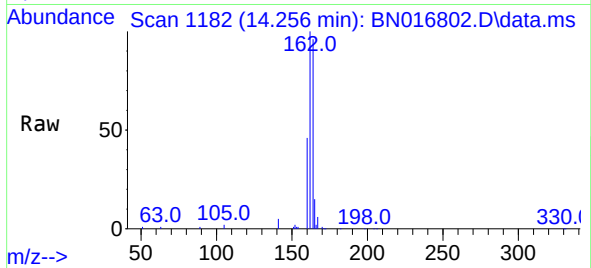
Tgt Ion:164 Resp: 57687

Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	124.0
160	48.4	38.2	57.2

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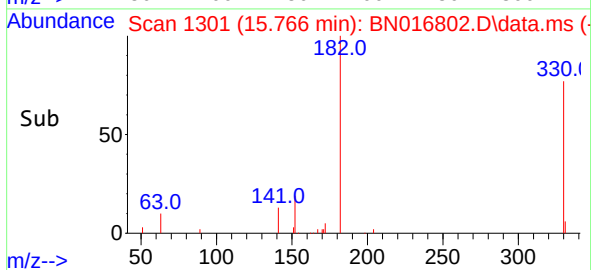
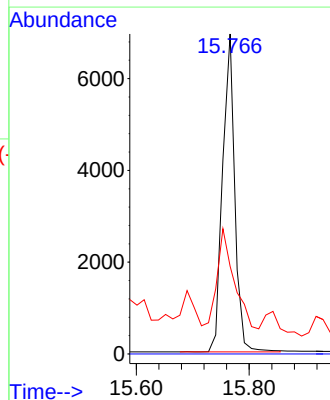
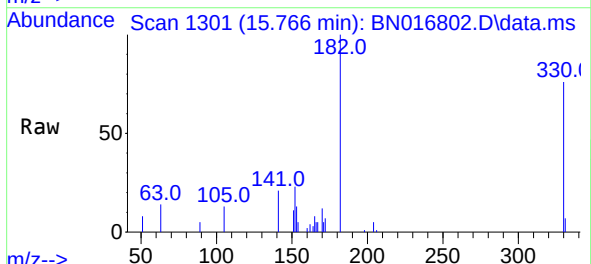
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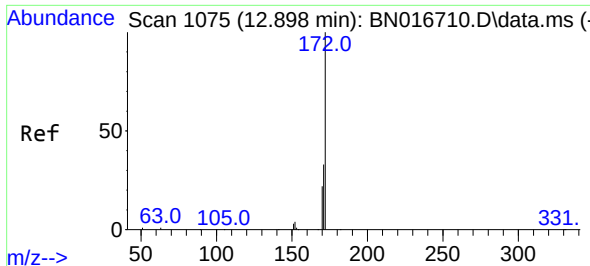


#14
2,4,6-Tribromophenol
Concen: 0.43 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

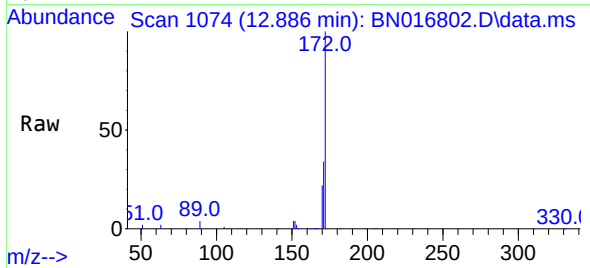
Tgt Ion:330 Resp: 10416

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.3	24.2	36.2

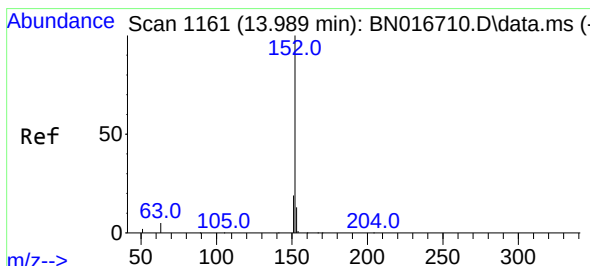
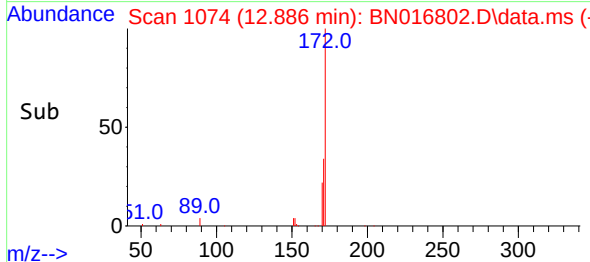
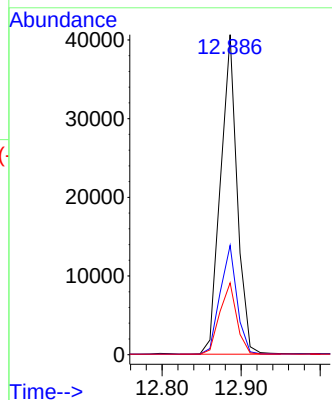




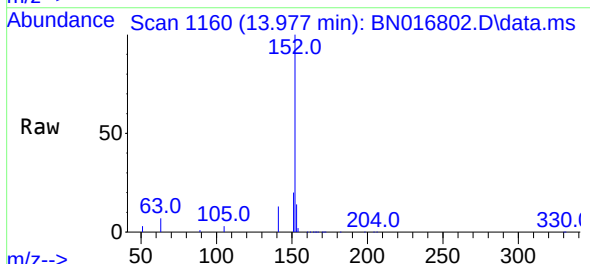
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2-Fluorobiphenyl
Concen: 0.26 ng
RT: 12.886 min Scan# 1074
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



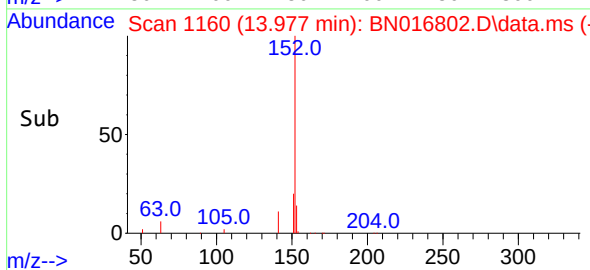
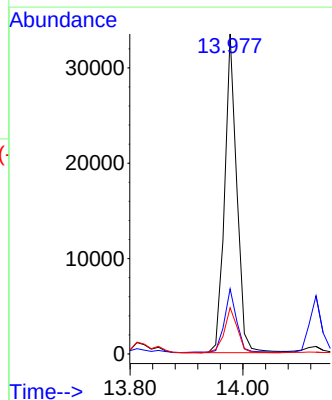
Tgt Ion:172 Resp: 59421
Ion Ratio Lower Upper
172 100
171 34.2 26.9 40.3
170 22.4 17.4 26.0



#16
Acenaphthylene
Concen: 0.20 ng
RT: 13.977 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



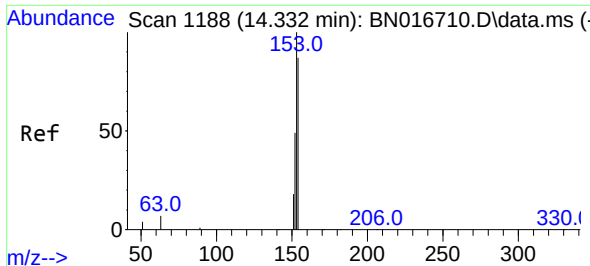
Tgt Ion:152 Resp: 50237
Ion Ratio Lower Upper
152 100
151 20.4 15.5 23.3
153 15.2 10.4 15.6



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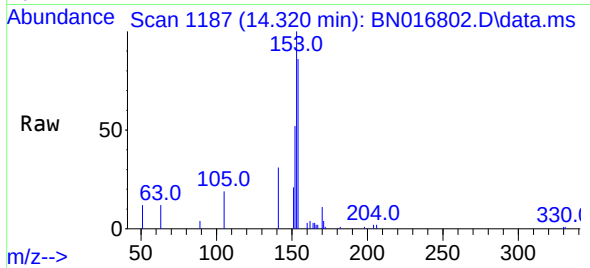
Manual Integrations
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#17
Acenaphthene
Concen: 0.05 ng
RT: 14.320 min Scan# 1187
Delta R.T. -0.012 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

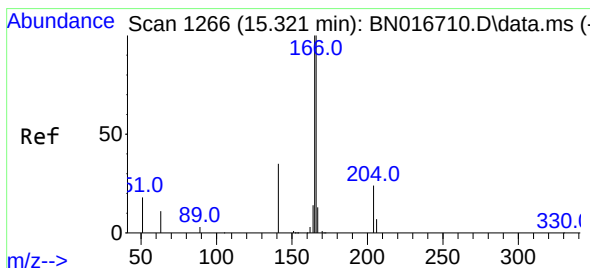
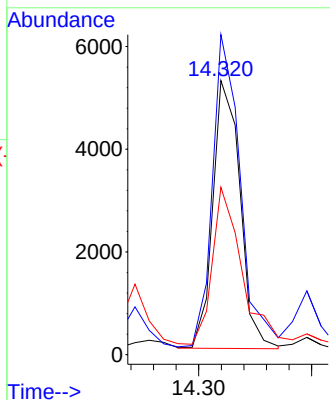
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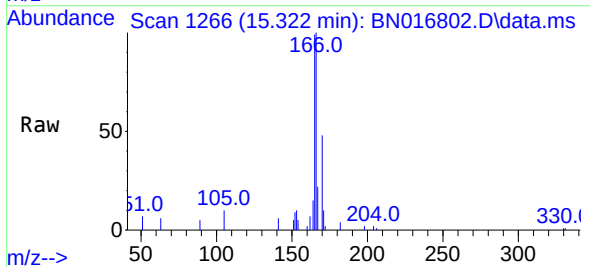
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152 63.6 43.6 65.4

Manual Integrations
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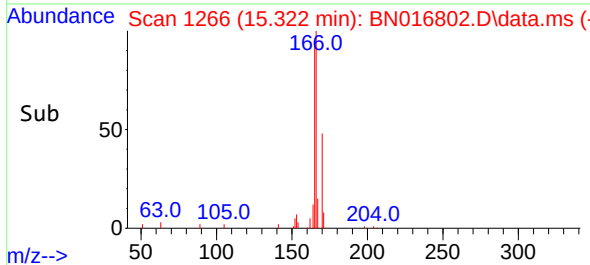
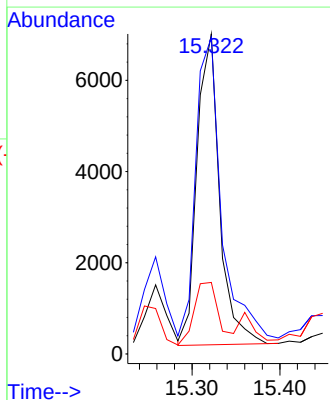
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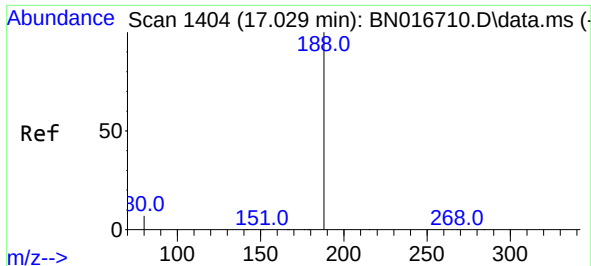


#18
Fluorene
Concen: 0.06 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

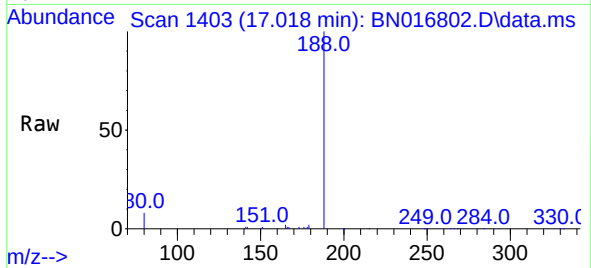


Tgt Ion:166 Resp: 12155
Ion Ratio Lower Upper
166 100
165 109.8 78.1 117.1
167 22.4 10.7 16.1#

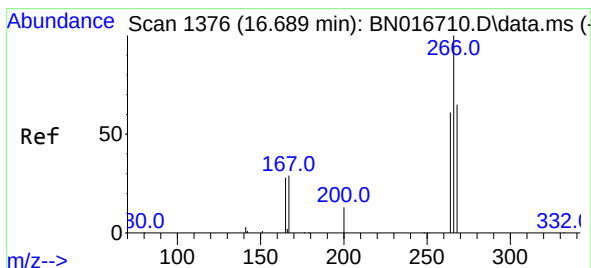
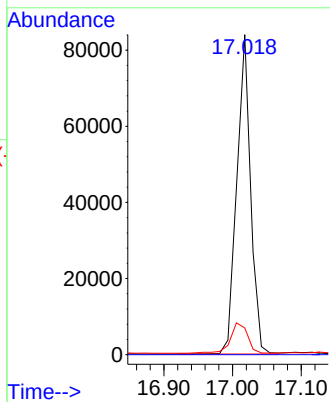
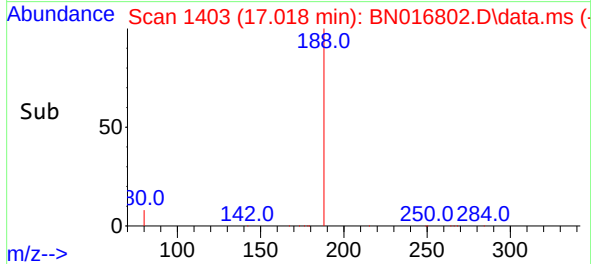




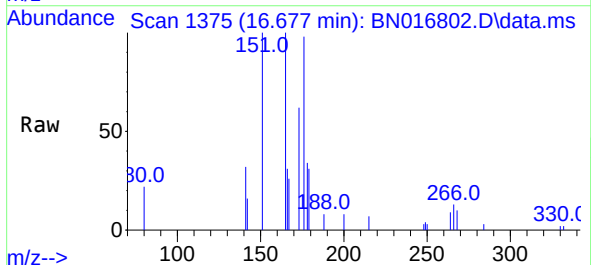
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.018 min Scan# 1403
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



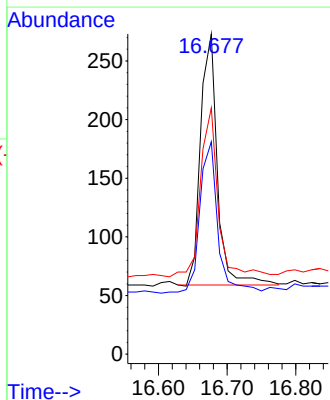
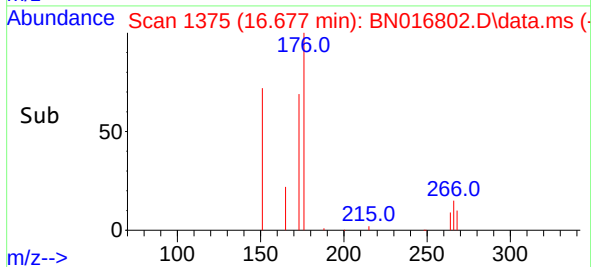
Tgt Ion:188 Resp: 117434
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 5.8 8.8



#24
Pentachlorophenol
Concen: 0.35 ng
RT: 16.677 min Scan# 1375
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



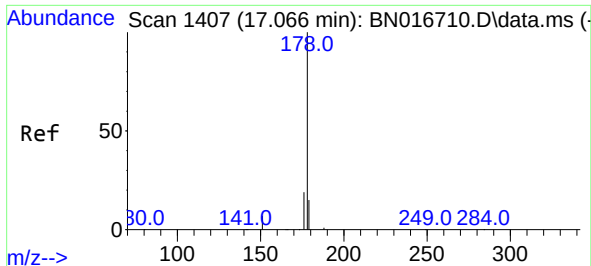
Tgt Ion:266 Resp: 365
Ion Ratio Lower Upper
266 100
264 64.9 49.3 73.9
268 70.1 51.8 77.8



Instrument :
BNA_N
ClientSampleId :
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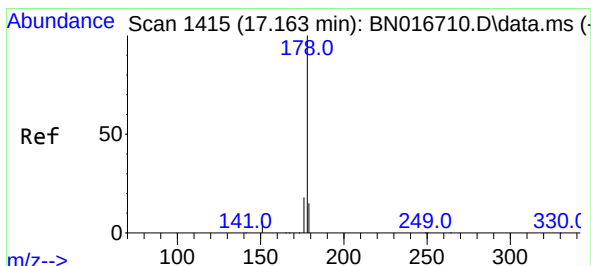
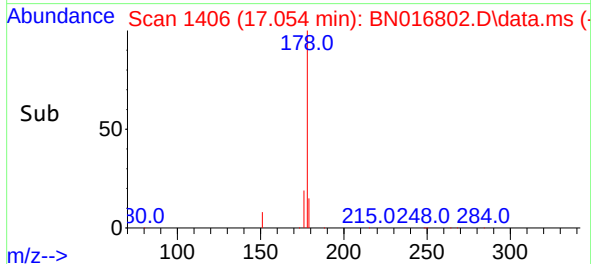
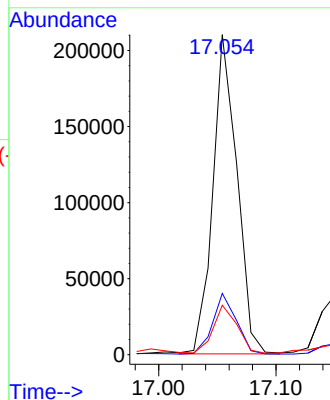
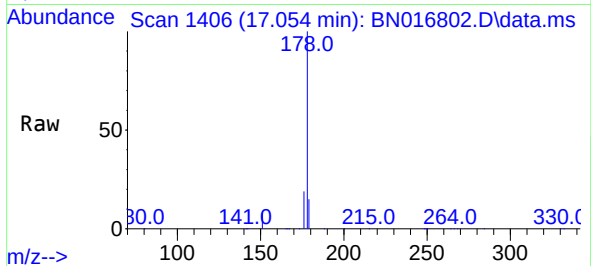
#25
Phenanthrene
Concen: 0.87 ng m
RT: 17.054 min Scan# 1406
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:178 Resp: 299679
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.3 12.4 18.6

Instrument :
BNA_N
ClientSampleId :
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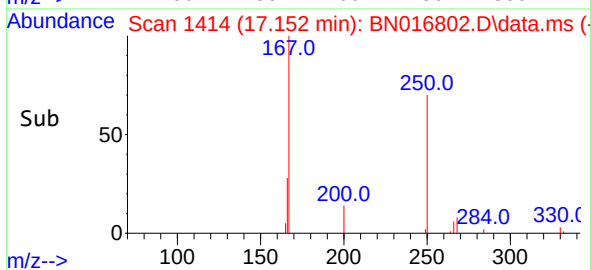
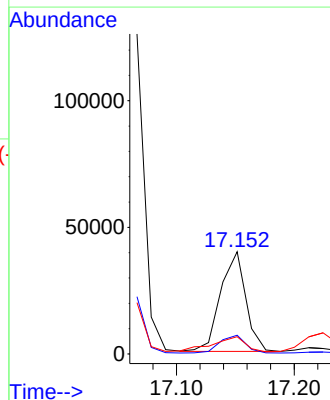
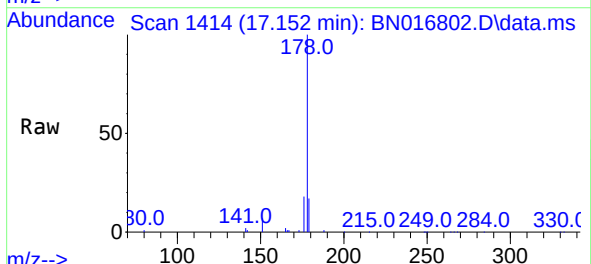
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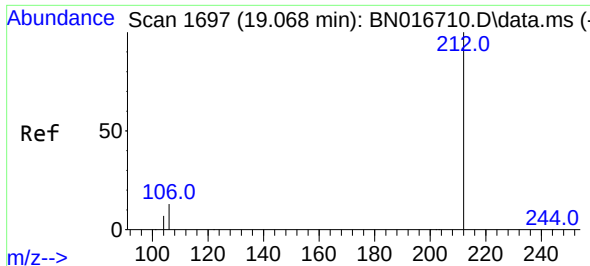
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#26
Anthracene
Concen: 0.19 ng
RT: 17.152 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

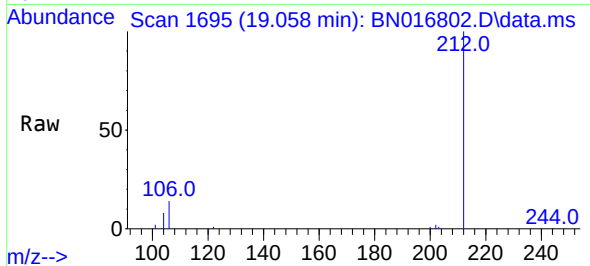
Tgt Ion:178 Resp: 58868
Ion Ratio Lower Upper
178 100
176 18.2 14.5 21.7
179 20.0 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.27 ng
RT: 19.058 min Scan# 1695
Delta R.T. -0.005 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

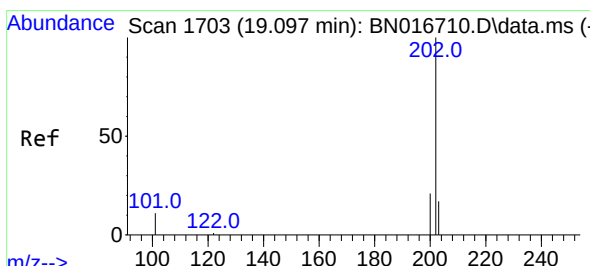
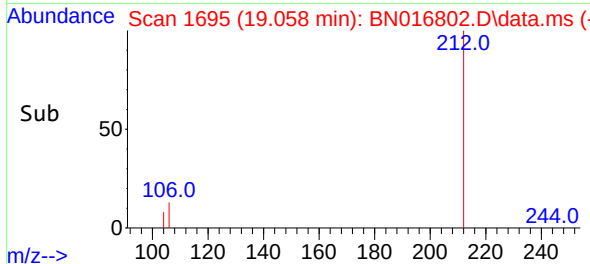
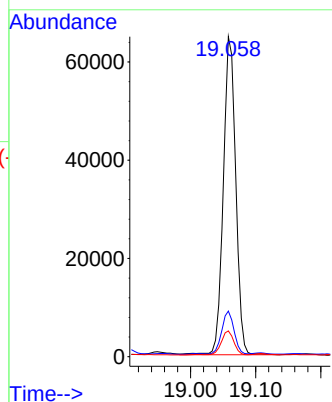
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:212 Resp: 85890
Ion Ratio Lower Upper
212 100
106 13.1 10.6 16.0
104 7.4 5.8 8.8

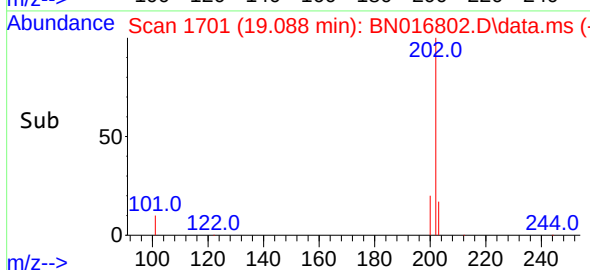
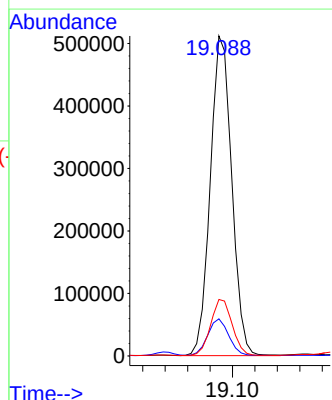
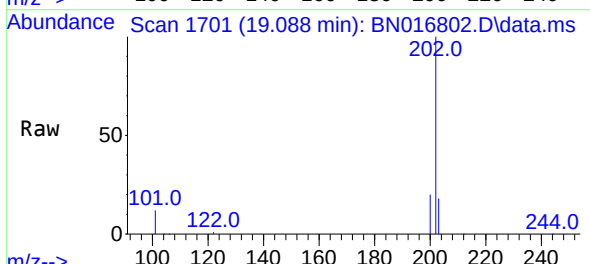
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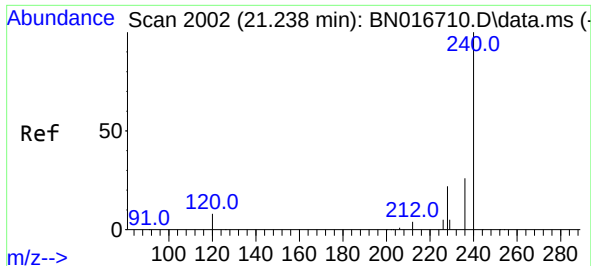
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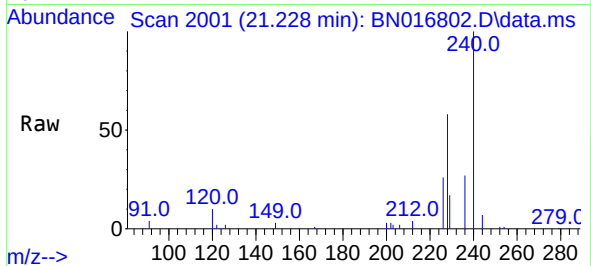
#28
Fluoranthene
Concen: 1.77 ng
RT: 19.088 min Scan# 1701
Delta R.T. -0.005 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:202 Resp: 678118
Ion Ratio Lower Upper
202 100
101 11.2 8.9 13.3
203 17.6 13.8 20.8

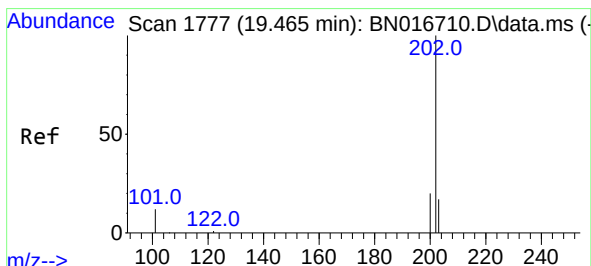
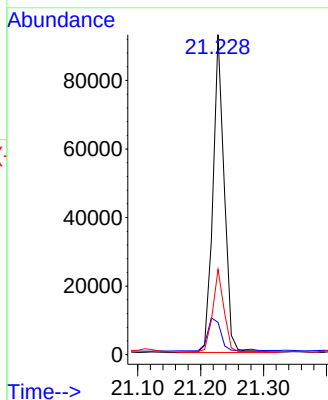
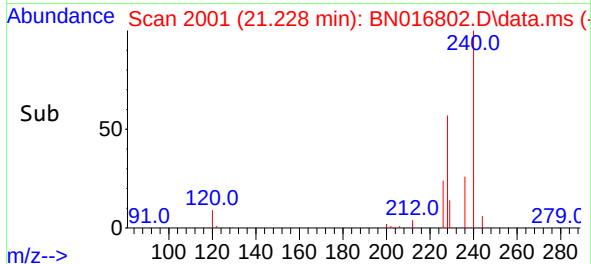




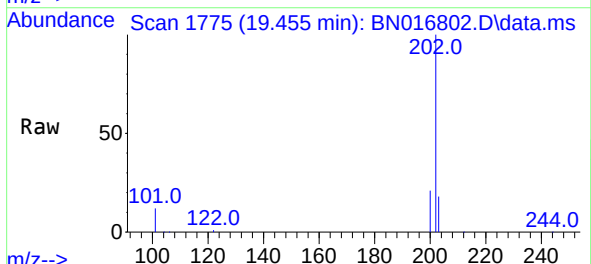
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.228 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



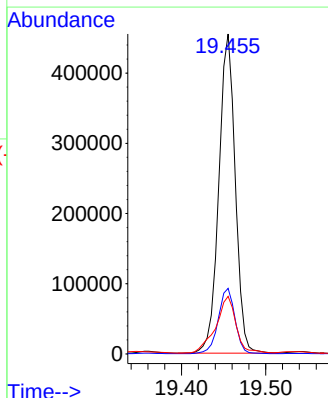
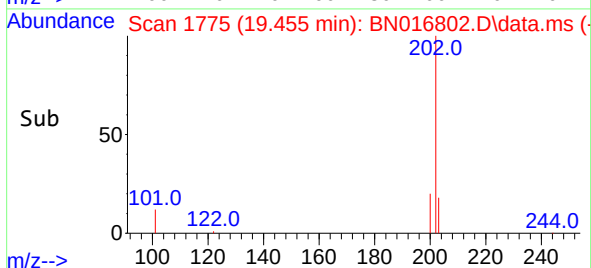
Tgt Ion:240 Resp: 115036
Ion Ratio Lower Upper
240 100
120 10.1 6.6 10.0#
236 26.7 20.7 31.1



#30
Pyrene
Concen: 1.62 ng
RT: 19.455 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



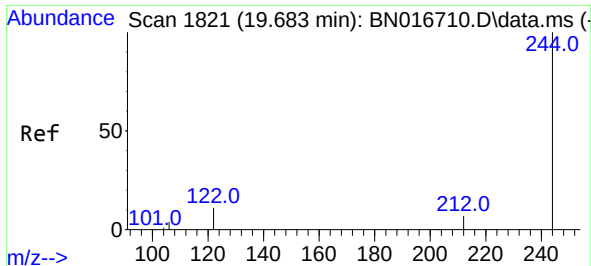
Tgt Ion:202 Resp: 614518
Ion Ratio Lower Upper
202 100
200 20.7 16.5 24.7
203 21.8 13.9 20.9#



Instrument :
BNA_N
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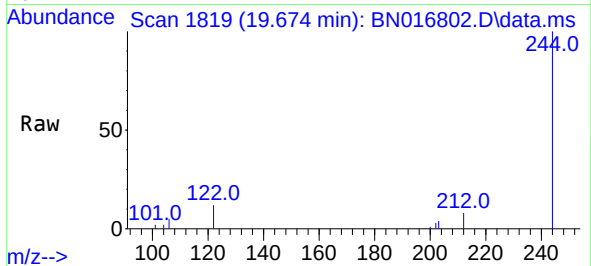
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#31
Terphenyl-d14
Concen: 0.24 ng
RT: 19.674 min Scan# 1819
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

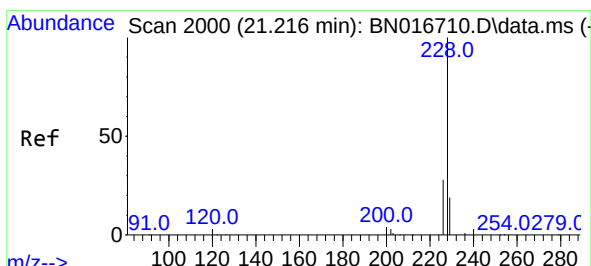
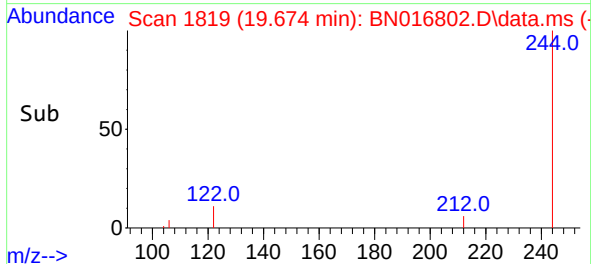
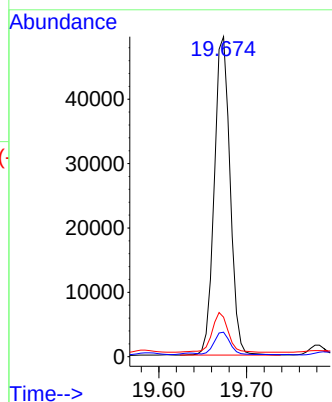
Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421



Tgt Ion:244 Resp: 61660
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 12.4 8.9 13.3

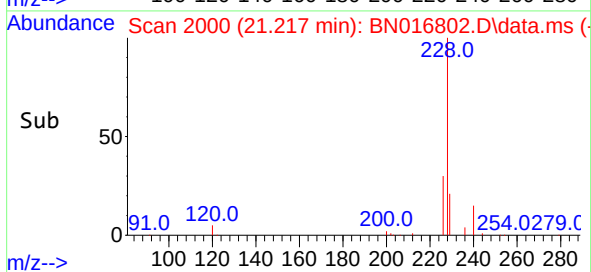
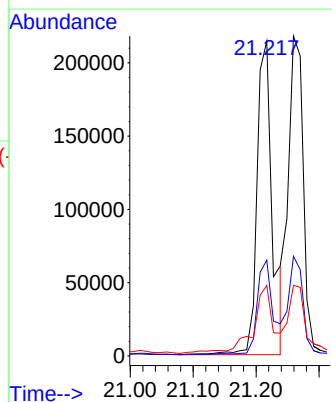
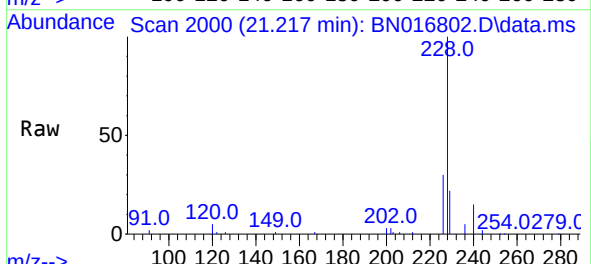
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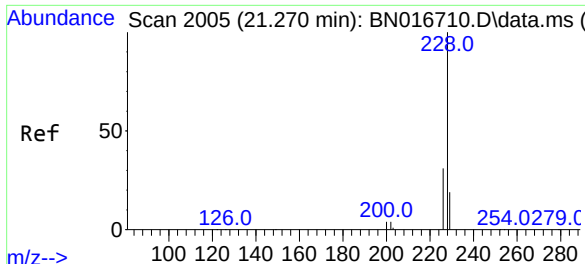
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#32
Benzo(a)anthracene
Concen: 1.02 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

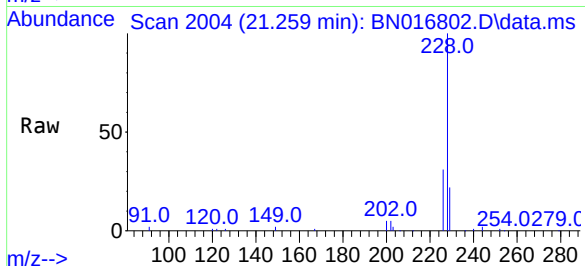
Tgt Ion:228 Resp: 362595
Ion Ratio Lower Upper
228 100
226 30.5 22.3 33.5
229 22.4 15.4 23.0





#33
Chrysene
Concen: 0.97 ng
RT: 21.259 min Scan# 2004
Delta R.T. -0.010 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

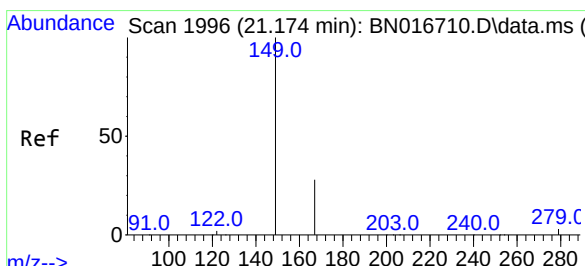
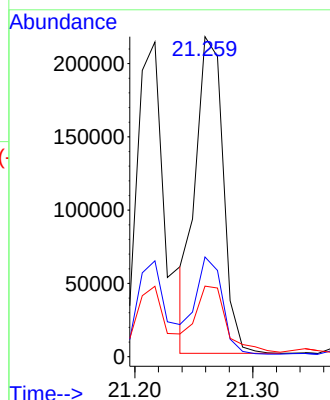
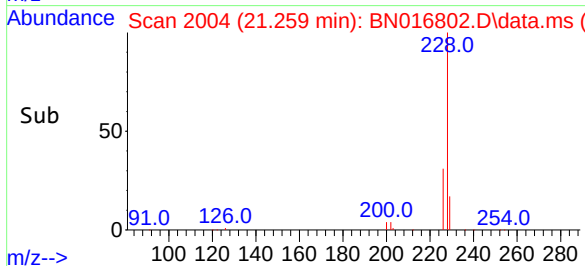
Instrument :
BNA_N
ClientSampleId :
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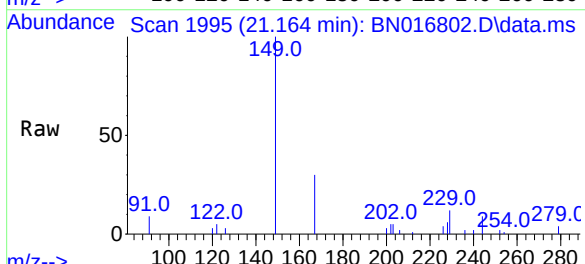
Tgt Ion:228 Resp: 352122
Ion Ratio Lower Upper
228 100
226 31.1 24.2 36.4
229 22.1 15.4 23.0

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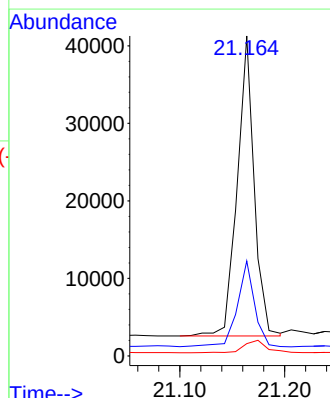
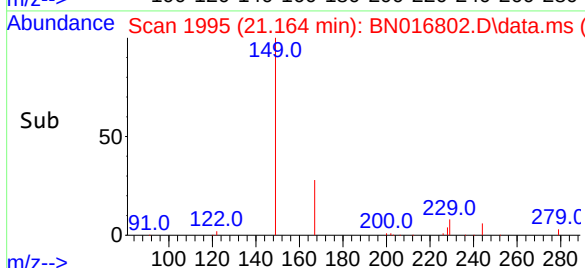
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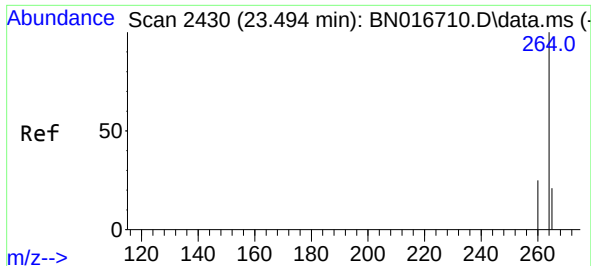


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.20 ng
RT: 21.164 min Scan# 1995
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08



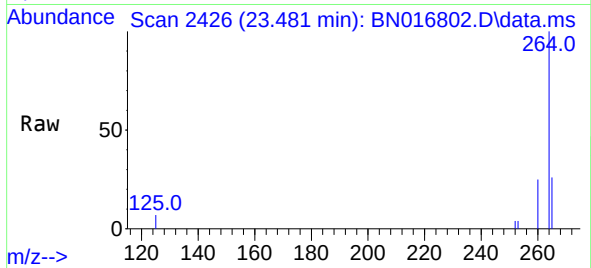
Tgt Ion:149 Resp: 43267
Ion Ratio Lower Upper
149 100
167 29.1 22.2 33.4
279 5.6 3.4 5.2#





#35
Perylene-d12
Concen: 0.40 ng
RT: 23.481 min Scan# 2426
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

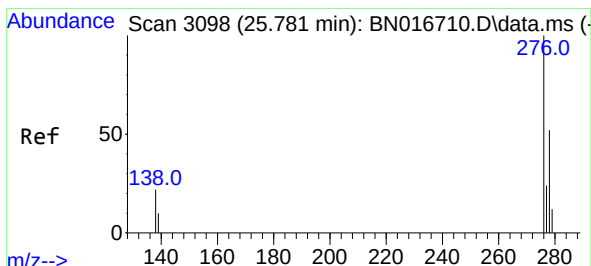
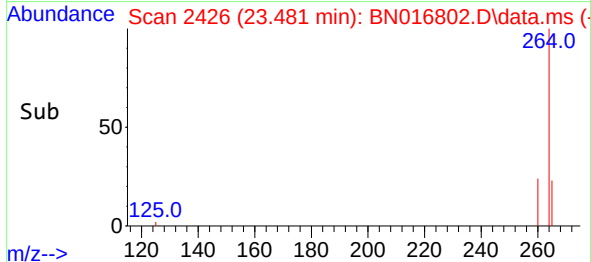
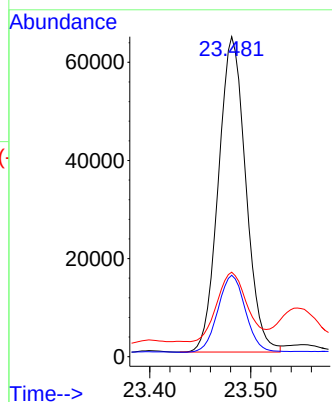
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion:264 Resp: 120861
Ion Ratio Lower Upper
264 100
260 25.5 19.8 29.6
265 26.4 20.3 30.5

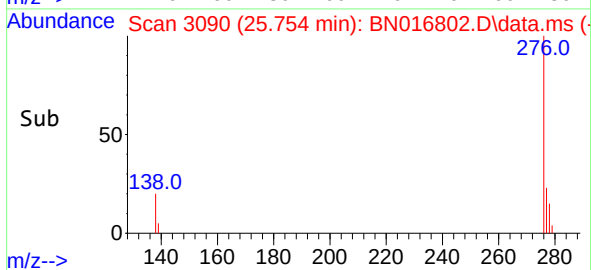
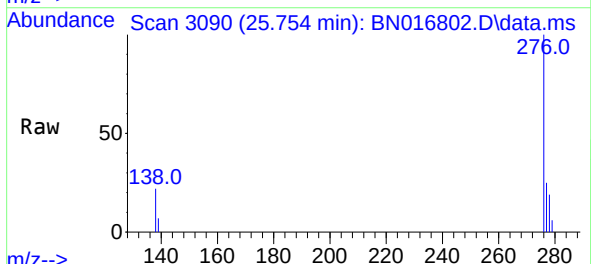
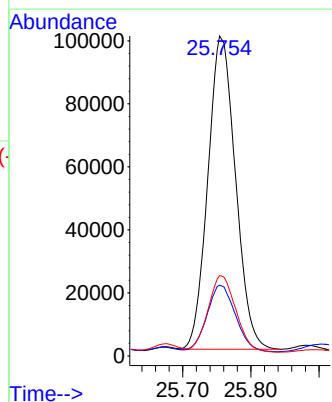
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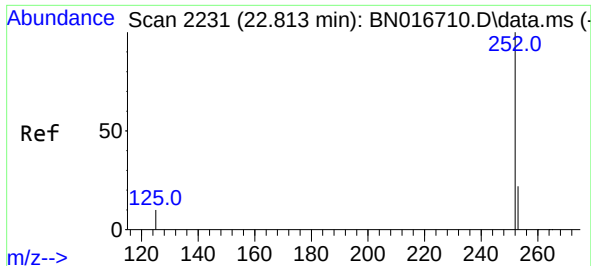
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#36
Indeno(1,2,3-cd)pyrene
Concen: 0.73 ng
RT: 25.754 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:276 Resp: 280150
Ion Ratio Lower Upper
276 100
138 22.0 19.2 28.8
277 24.8 20.0 30.0





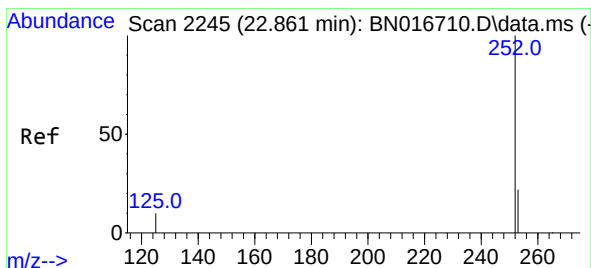
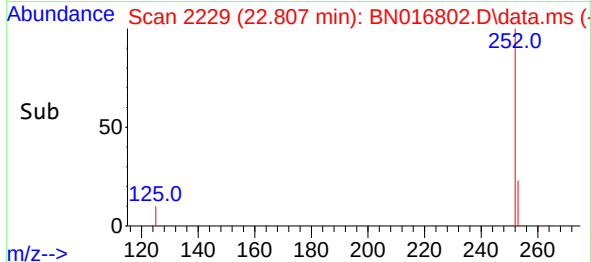
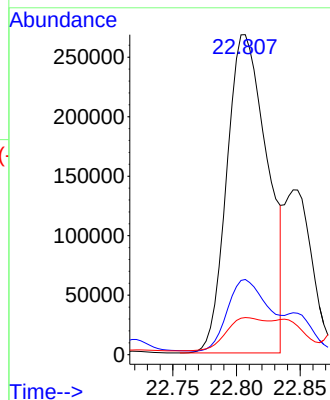
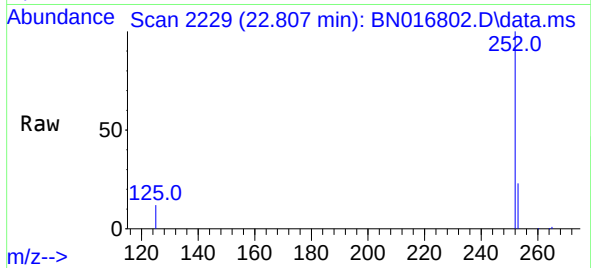
#37
Benzo(b)fluoranthene
Concen: 1.51 ng
RT: 22.807 min Scan# 2229
Delta R.T. 0.004 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:252 Resp: 590861
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.6 8.3 12.5

Instrument :
BNA_N
ClientSampleId :
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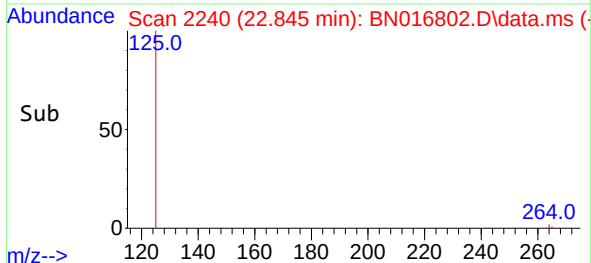
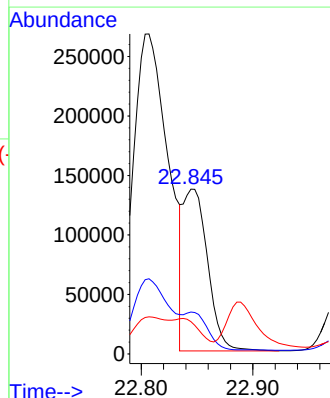
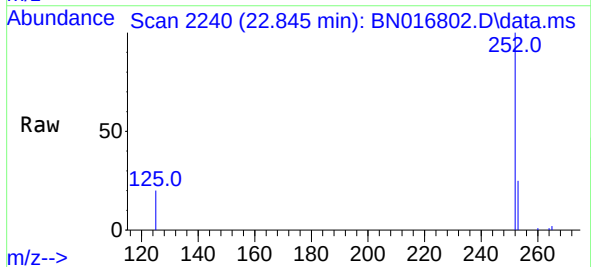
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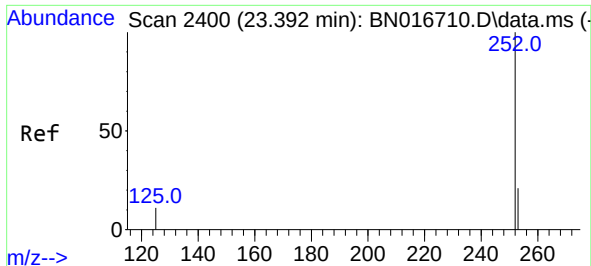
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#38
Benzo(k)fluoranthene
Concen: 0.55 ng m
RT: 22.845 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:252 Resp: 207705
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 19.6 8.5 12.7#





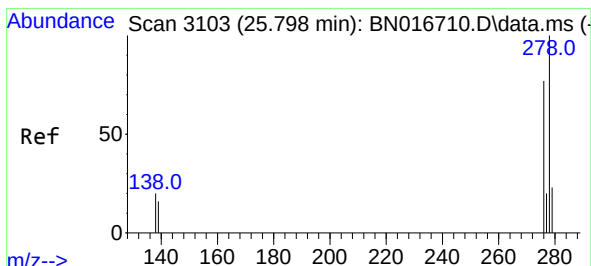
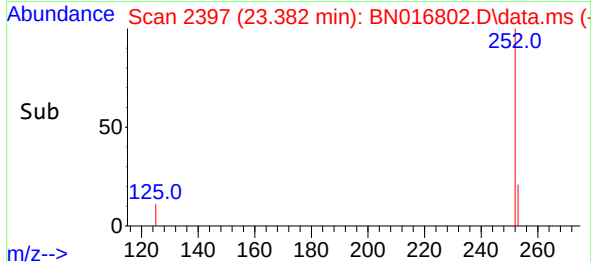
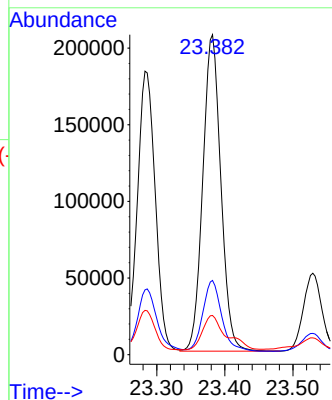
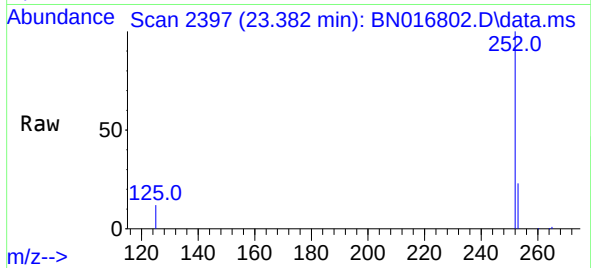
#39
Benzo(a)pyrene
Concen: 1.09 ng
RT: 23.382 min Scan# 2397
Delta R.T. 0.000 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:252 Resp: 380069
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 12.3 9.4 14.2

Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

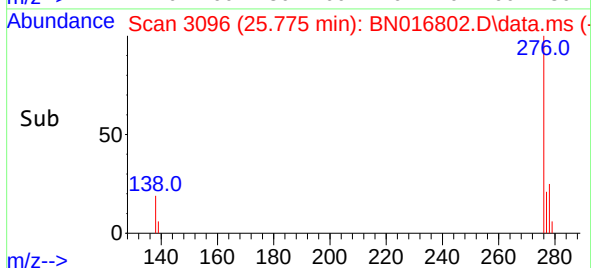
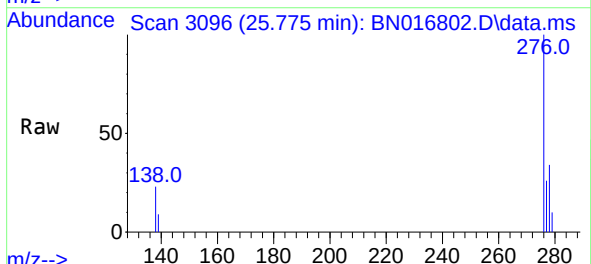
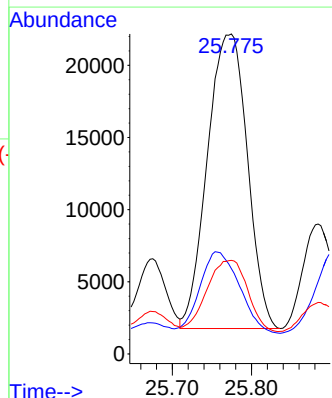
Manual Integrations
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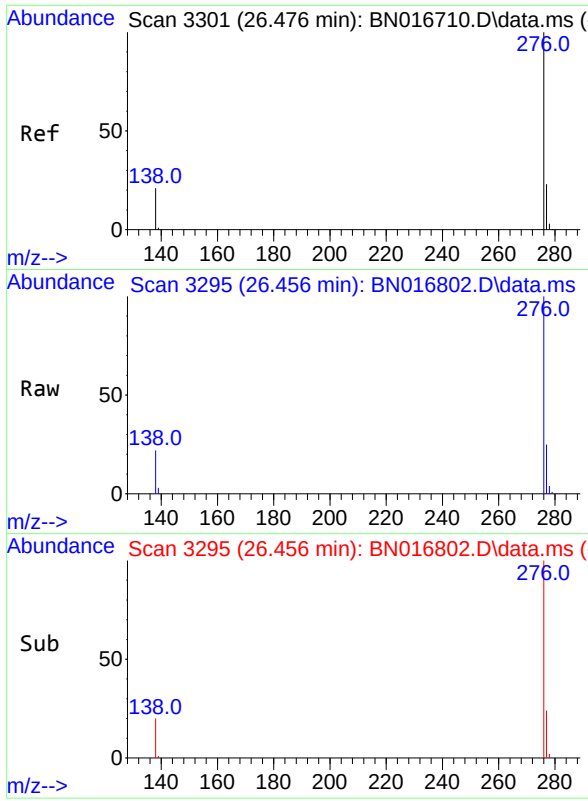
mohammad
10/7/2021 8:51:47 AM



#40
Dibenzo(a,h)anthracene
Concen: 0.24 ng
RT: 25.775 min Scan# 3096
Delta R.T. -0.003 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

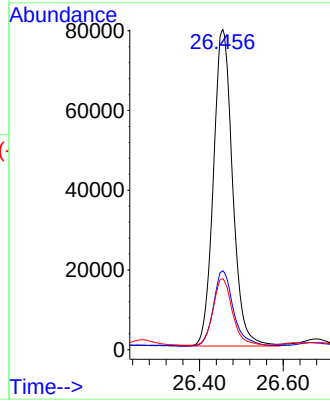
Tgt Ion:278 Resp: 71654
Ion Ratio Lower Upper
278 100
139 26.6 13.1 19.7#
279 29.3 19.3 28.9#





#41
Benzo(g,h,i)perylene
Concen: 0.74 ng
RT: 26.456 min Scan# 3295
Delta R.T. 0.004 min
Lab File: BN016802.D
Acq: 07 Oct 2021 06:08

Tgt Ion:	276	Resp:	252816
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	22.1	17.0	25.6



Instrument :
BNA_N
ClientSampleId :
S-817-N-SO-1-1.5-092421

Manual Integrations
APPROVED

mohammad
10/7/2021 8:51:47 AM