

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
 Data File : BN016805.D
 Acq On : 07 Oct 2021 07:55
 Operator : CG/JU
 Sample : M3945-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-816-N-SO-0-0.5-092421

Manual Integrations
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mohammad
 10/8/2021 8:34:00 AM

Quant Time: Oct 07 08:28:55 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	21327	0.40	ng	0.00
7) Naphthalene-d8	10.394	136	102353	0.40	ng	-0.01
13) Acenaphthene-d10	14.256	164	59922	0.40	ng	-0.01
19) Phenanthrene-d10	17.017	188	121566	0.40	ng	# 0.00
29) Chrysene-d12	21.227	240	109978	0.40	ng	# 0.00
35) Perylene-d12	23.481	264	117070	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.273	112	11552	0.21	ng	0.03
5) Phenol-d6	6.822	99	14176	0.23	ng	0.00
8) Nitrobenzene-d5	8.772	82	18708	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	11.994	152	41139	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.766	330	8539	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.886	172	51929	0.22	ng	0.00
27) Fluoranthene-d10	19.058	212	72128	0.22	ng	0.00
31) Terphenyl-d14	19.673	244	51654	0.21	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.445	128	9511	0.03	ng	95
12) 2-Methylnaphthalene	12.069	142	5898	0.03	ng	97
16) Acenaphthylene	13.977	152	15373	0.06	ng	95
17) Acenaphthene	14.319	154	18023	0.10	ng	100
18) Fluorene	15.322	166	24476m	0.12	ng	
24) Pentachlorophenol	16.677	266	212	0.34	ng	92
25) Phenanthrene	17.054	178	841545	2.35	ng	100
26) Anthracene	17.151	178	148160	0.46	ng	# 92
28) Fluoranthene	19.093	202	2537389	6.40	ng	99
30) Pyrene	19.455	202	2203721	6.09	ng	# 94
32) Benzo(a)anthracene	21.217	228	1416894	4.15	ng	98
33) Chrysene	21.270	228	1439569	4.16	ng	96
34) Bis(2-ethylhexyl)phtha...	21.164	149	107696	0.52	ng	100
36) Indeno(1,2,3-cd)pyrene	25.757	276	869853	2.34	ng	97
37) Benzo(b)fluoranthene	22.810	252	2155214	5.69	ng	99
38) Benzo(k)fluoranthene	22.848	252	778340m	2.14	ng	
39) Benzo(a)pyrene	23.385	252	1284404	3.79	ng	99
40) Dibenzo(a,h)anthracene	25.771	278	208002	0.71	ng	# 94
41) Benzo(g,h,i)perylene	26.455	276	792700	2.40	ng	99

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

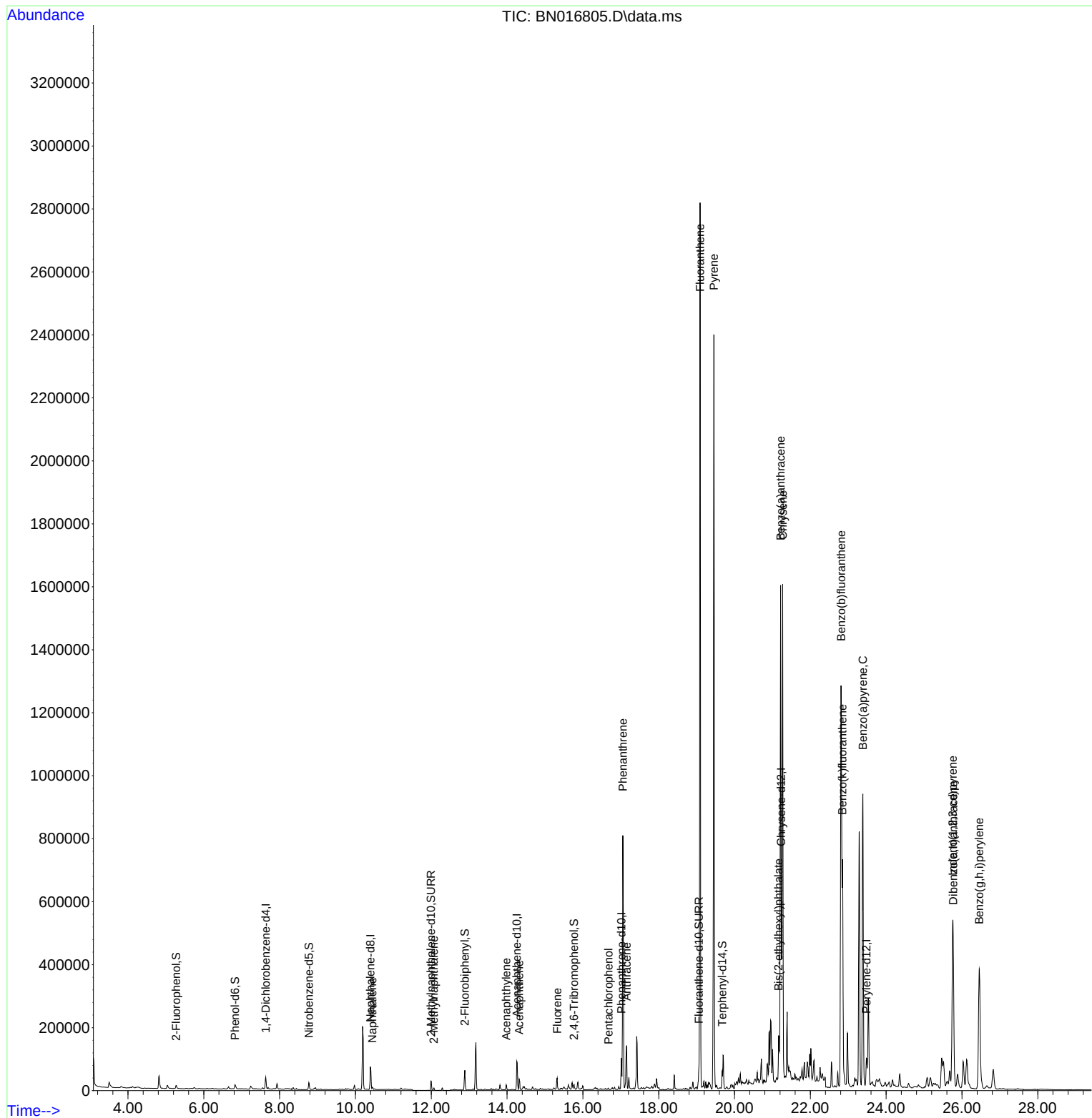
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100621\
Data File : BN016805.D
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ALS Vial : 29 Sample Multiplier: 1

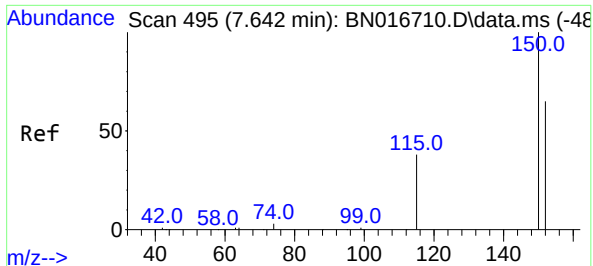
Instrument :
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Manual Integrations
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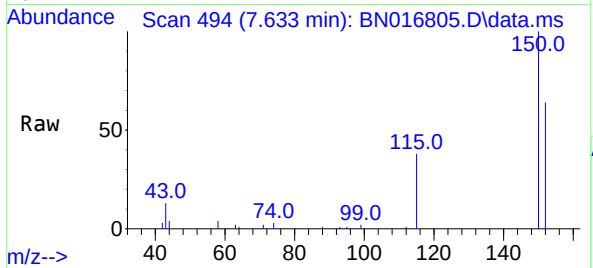
mohammad
10/8/2021 8:34:00 AM

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
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QLast Update : Wed Oct 06 14:22:07 2021
Response via : Initial Calibration

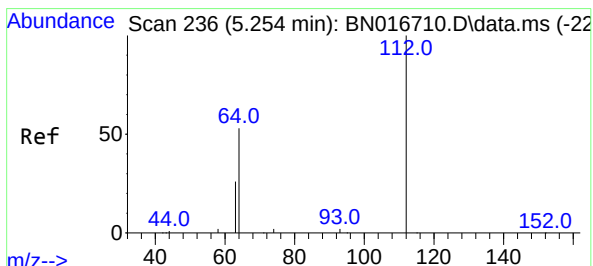
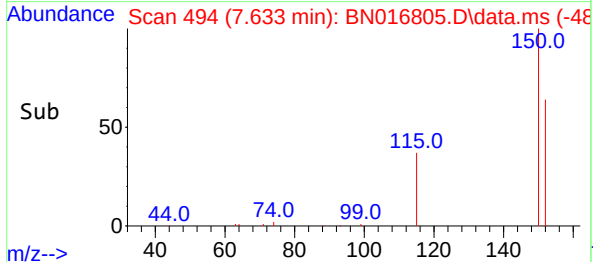
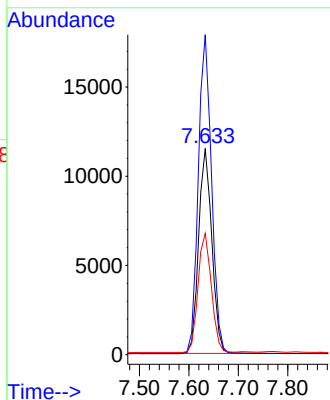




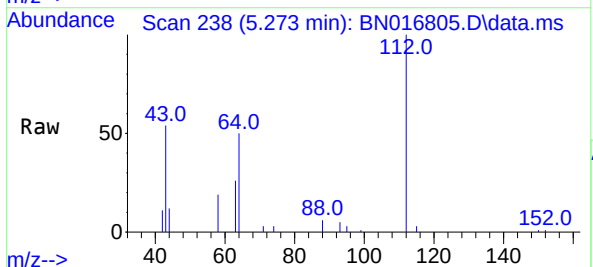
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.633 min Scan# 494
Delta R.T. 0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



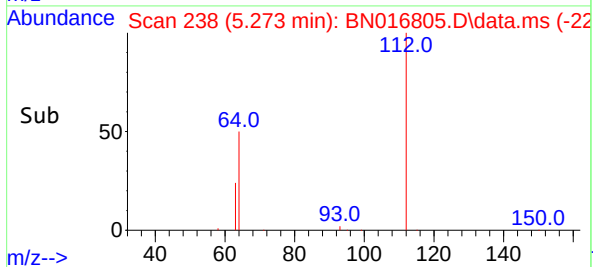
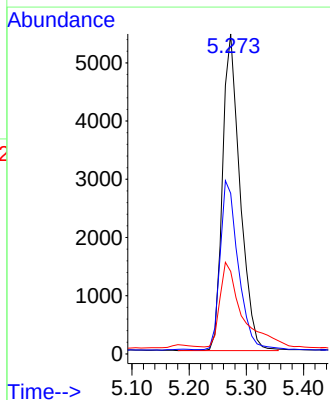
Tgt Ion:152 Resp: 21327
Ion Ratio Lower Upper
152 100
150 155.2 123.3 184.9
115 58.9 47.0 70.6



#4
2-Fluorophenol
Concen: 0.21 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.028 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



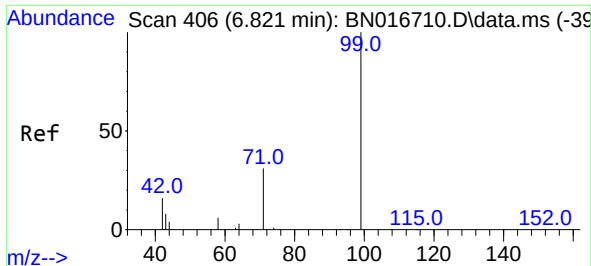
Tgt Ion:112 Resp: 11552
Ion Ratio Lower Upper
112 100
64 55.2 42.9 64.3
63 32.9 21.5 32.3#



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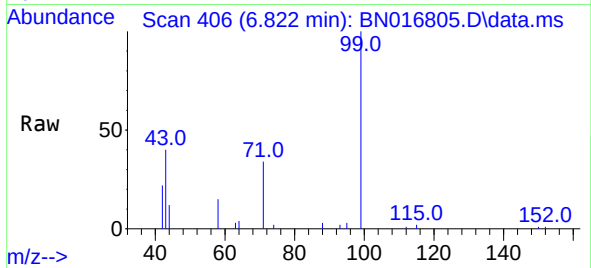
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#5
Phenol-d6
Concen: 0.23 ng
RT: 6.822 min Scan# 406
Delta R.T. 0.009 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

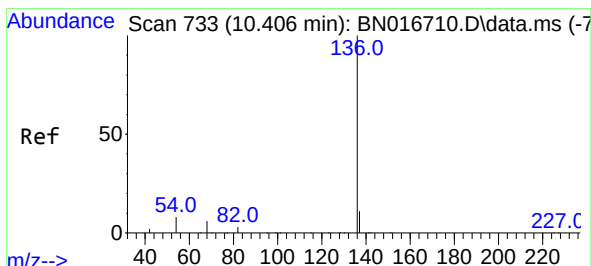
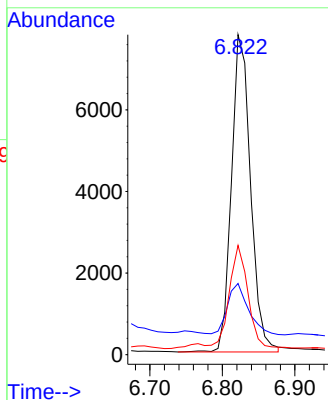
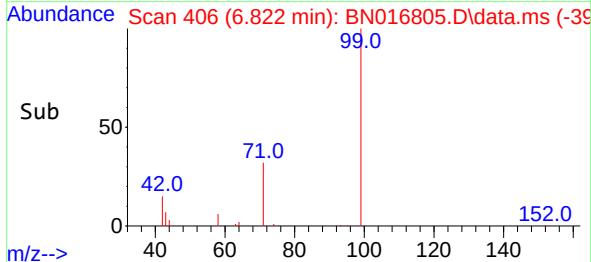
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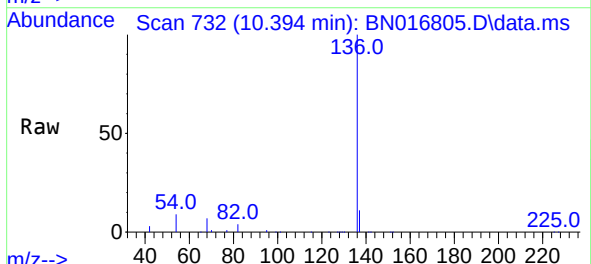
Tgt Ion: 99 Resp: 14176
Ion Ratio Lower Upper
99 100
42 17.6 13.4 20.2
71 31.0 24.0 36.0

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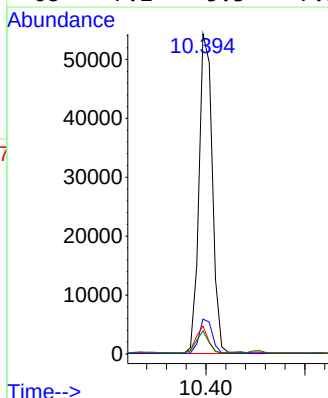
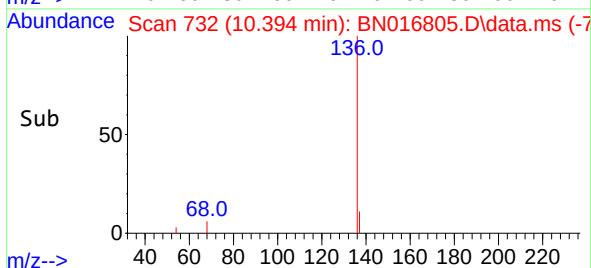
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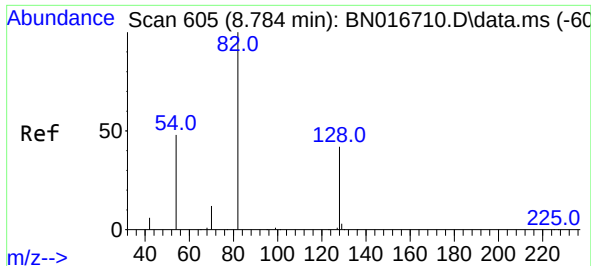


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.394 min Scan# 732
Delta R.T. -0.013 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



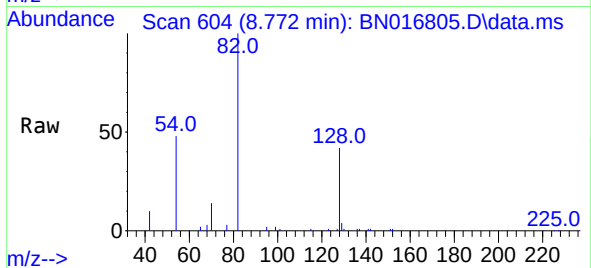
Tgt Ion: 136 Resp: 102353
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.7 6.5 9.7
68 7.2 5.3 7.9





#8
Nitrobenzene-d5
Concen: 0.26 ng
RT: 8.772 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

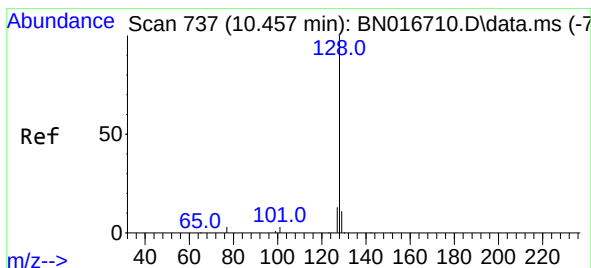
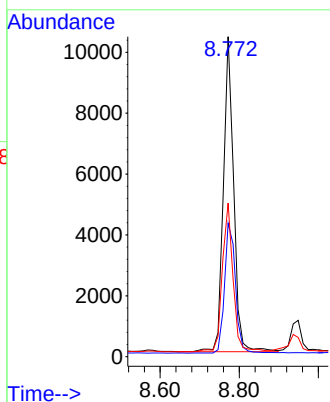
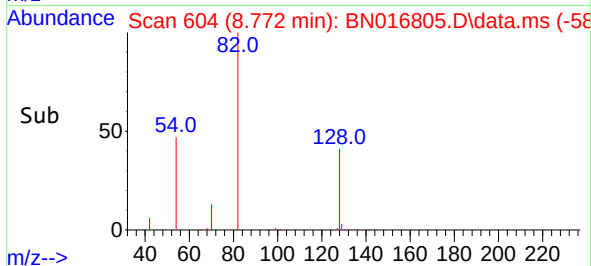
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421



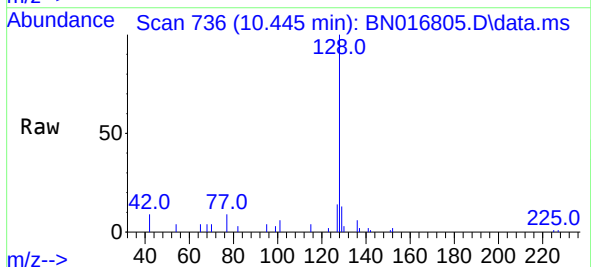
Tgt Ion: 82 Resp: 18708
Ion Ratio Lower Upper
82 100
128 41.7 33.8 50.6
54 48.0 38.5 57.7

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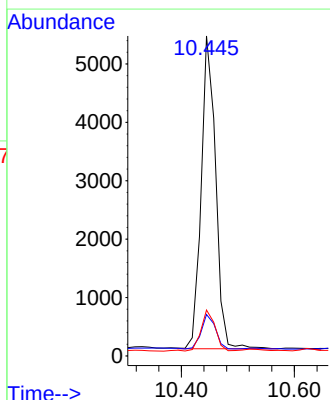
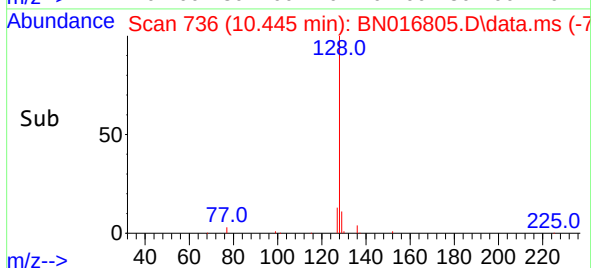
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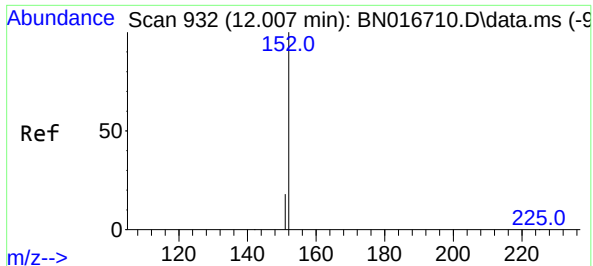


#9
Naphthalene
Concen: 0.03 ng
RT: 10.445 min Scan# 736
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



Tgt Ion: 128 Resp: 9511
Ion Ratio Lower Upper
128 100
129 13.0 8.7 13.1
127 14.4 10.3 15.5





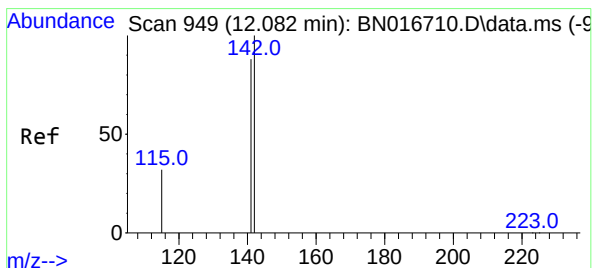
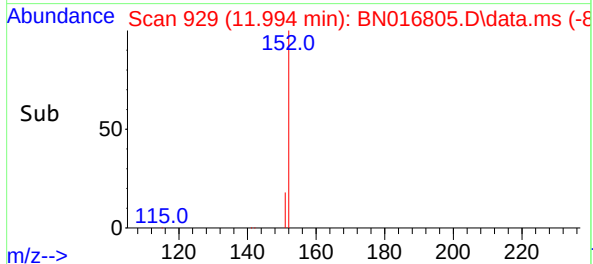
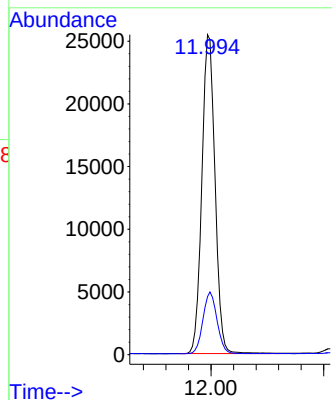
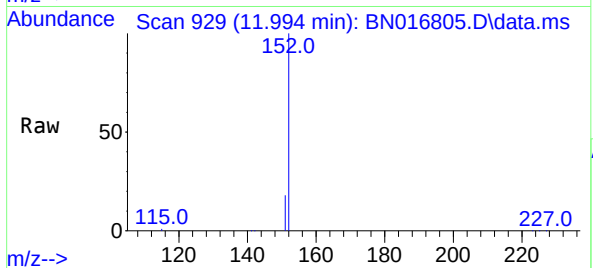
#11
2-Methylnaphthalene-d10
Concen: 0.27 ng
RT: 11.994 min Scan# 929
Delta R.T. -0.005 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:152 Resp: 41139
Ion Ratio Lower Upper
152 100
151 20.7 16.2 24.4

Instrument :
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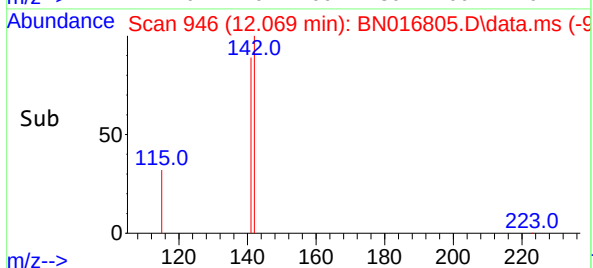
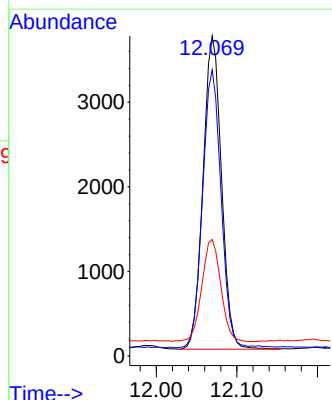
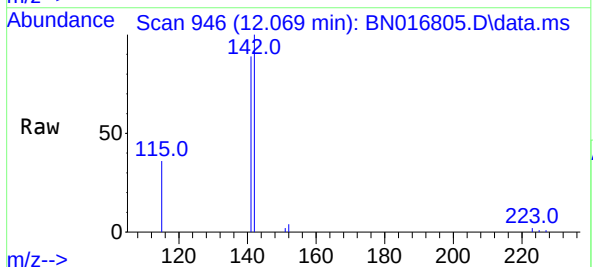
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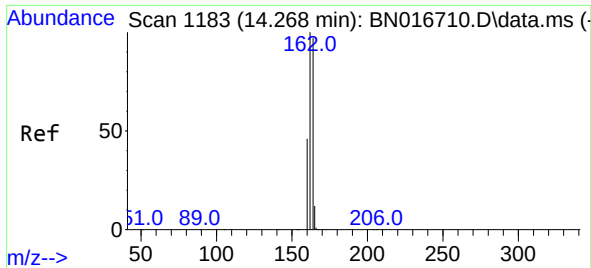
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#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.069 min Scan# 946
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:142 Resp: 5898
Ion Ratio Lower Upper
142 100
141 89.4 70.6 106.0
115 36.4 26.1 39.1





#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.256 min Scan# 1182
Delta R.T. -0.013 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

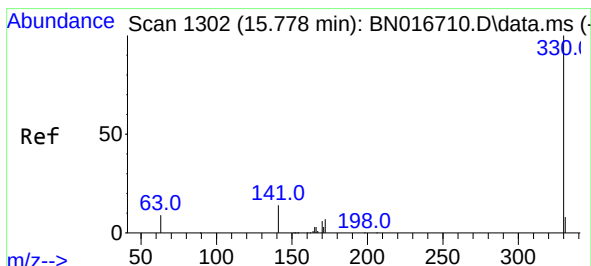
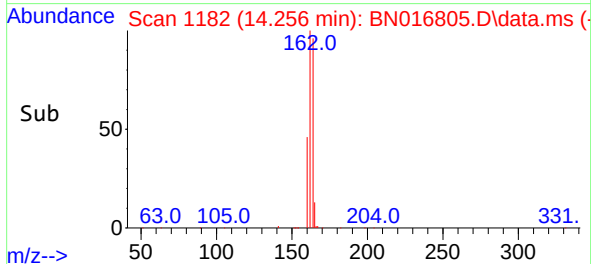
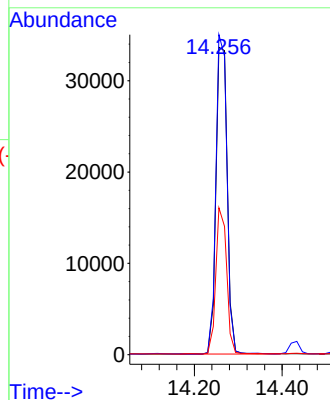
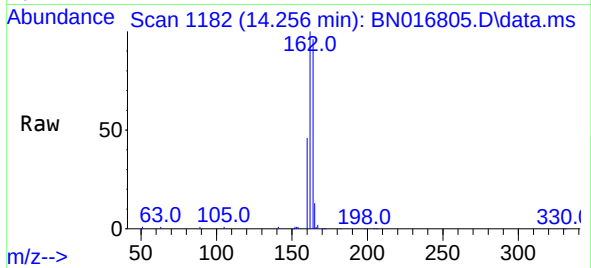
Tgt Ion:164 Resp: 59922

Ion	Ratio	Lower	Upper
164	100		
162	104.1	82.6	124.0
160	47.8	38.2	57.2

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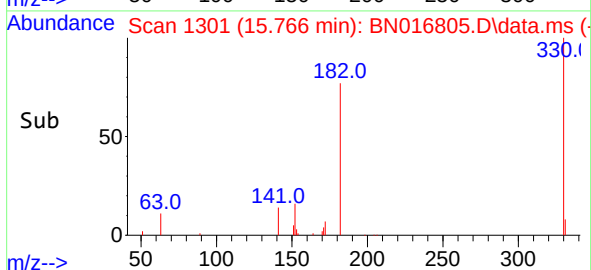
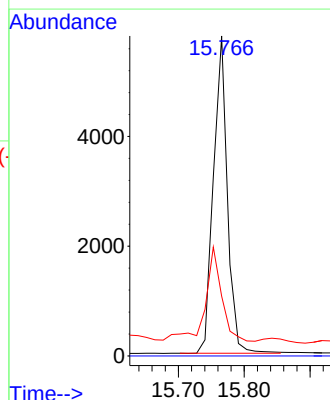
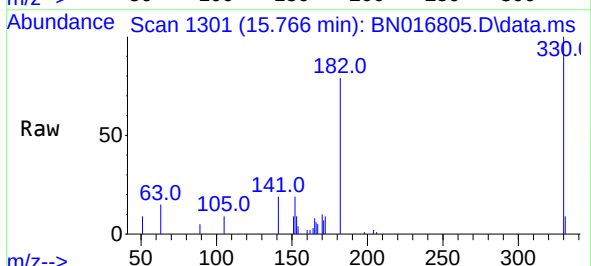
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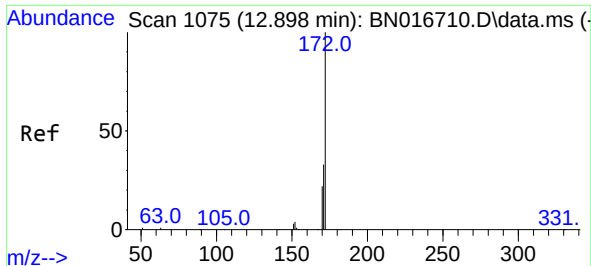


#14
2,4,6-Tribromophenol
Concen: 0.36 ng
RT: 15.766 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

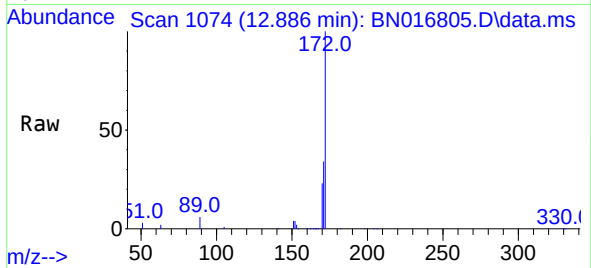
Tgt Ion:330 Resp: 8539

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.9	24.2	36.2

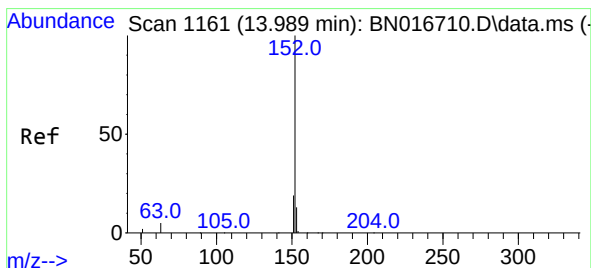
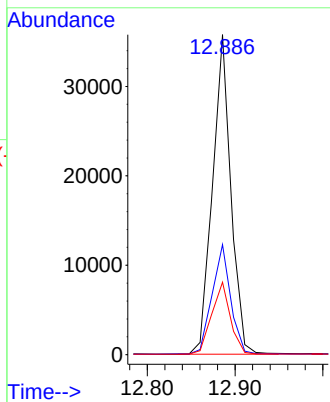
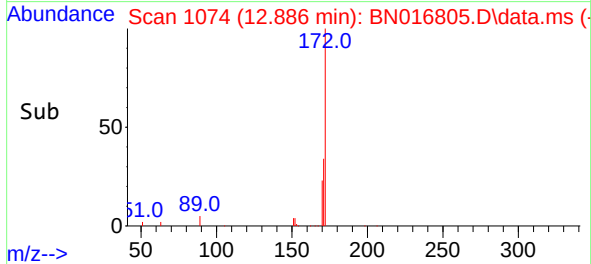




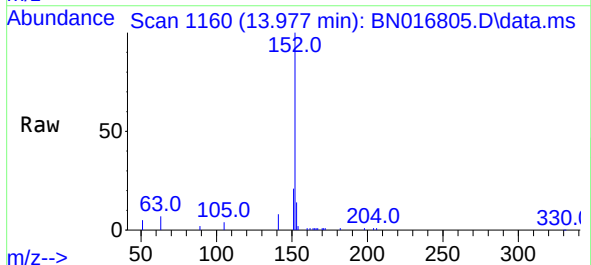
#15
2-Fluorobiphenyl
Concen: 0.22 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



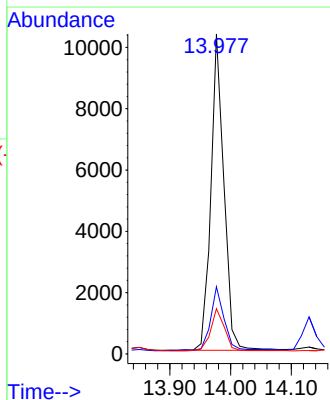
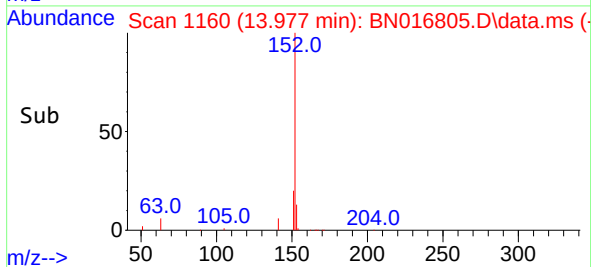
Tgt Ion:	172	Resp:	51929
Ion Ratio	Lower	Upper	
172	100		
171	34.4	26.9	40.3
170	22.7	17.4	26.0



#16
Acenaphthylene
Concen: 0.06 ng
RT: 13.977 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



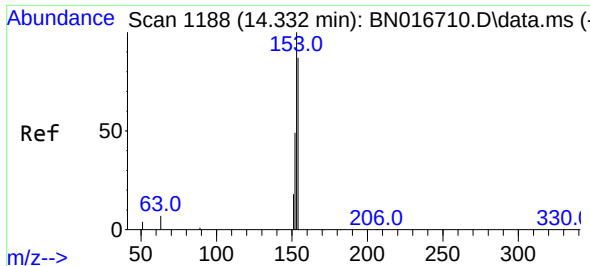
Tgt Ion:	152	Resp:	15373
Ion Ratio	Lower	Upper	
152	100		
151	22.0	15.5	23.3
153	14.3	10.4	15.6



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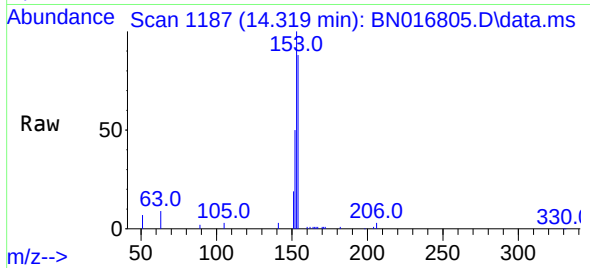
Manual Integrations
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#17
Acenaphthene
Concen: 0.10 ng
RT: 14.319 min Scan# 1187
Delta R.T. -0.013 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

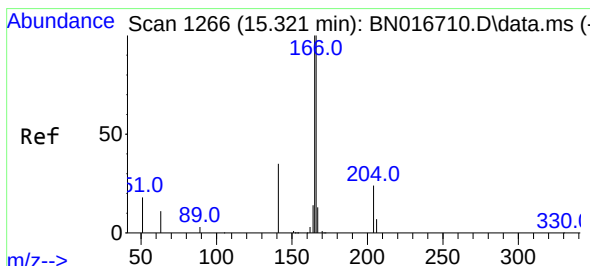
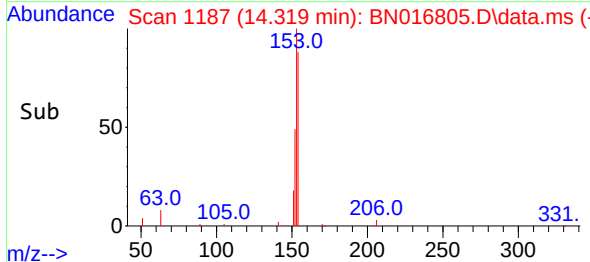
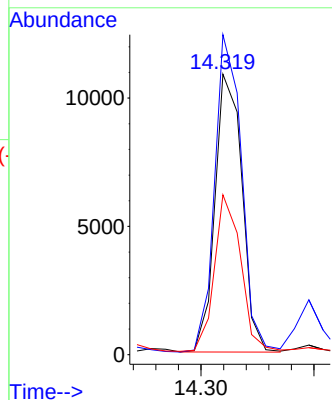
Instrument :
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ClientSampleId :
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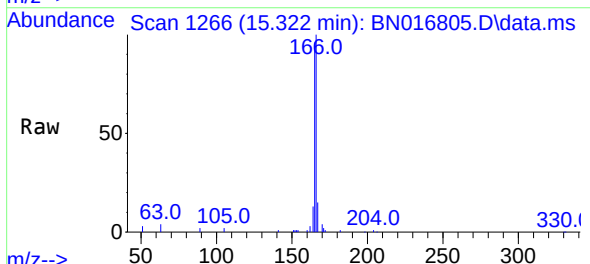
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Ion Ratio Lower Upper
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153 113.1 90.1 135.1
152 54.5 43.6 65.4

Manual Integrations
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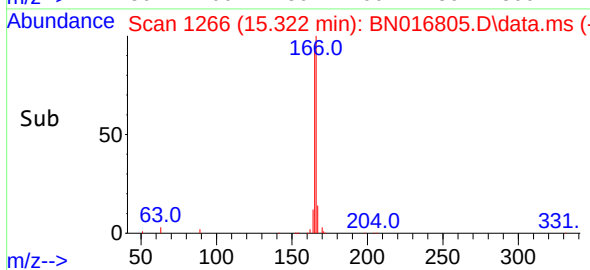
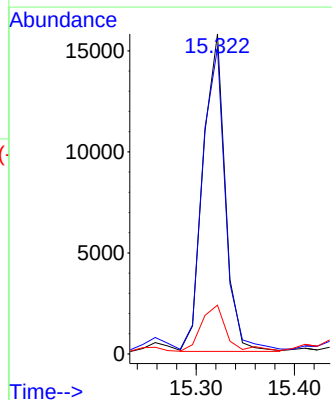
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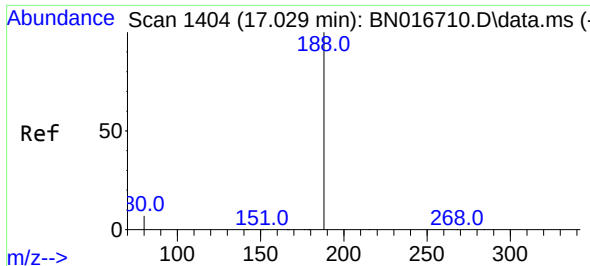


#18
Fluorene
Concen: 0.12 ng m
RT: 15.322 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

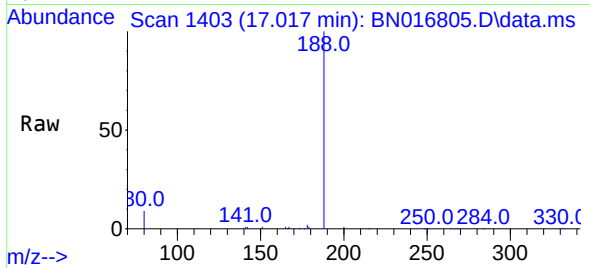


Tgt Ion:166 Resp: 24476
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 16.6 10.7 16.1#

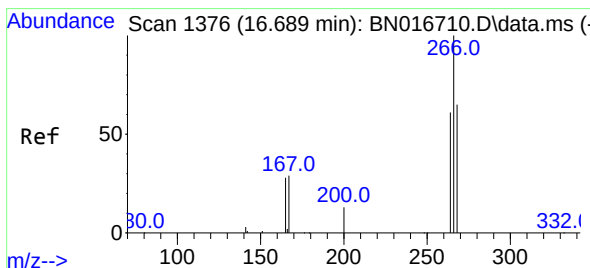
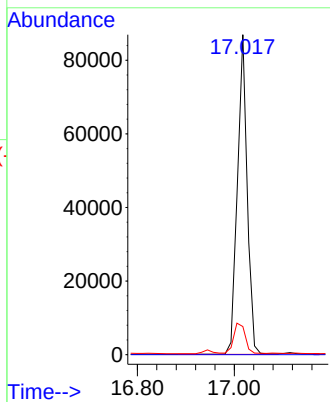
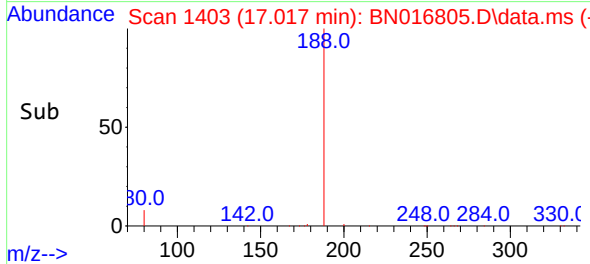




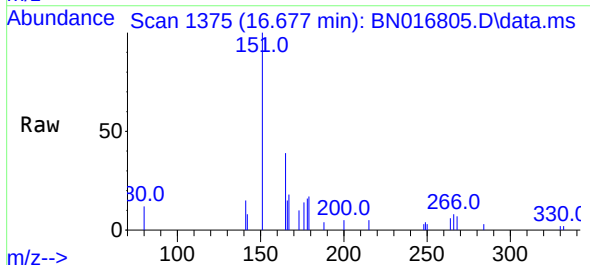
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.017 min Scan# 1403
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



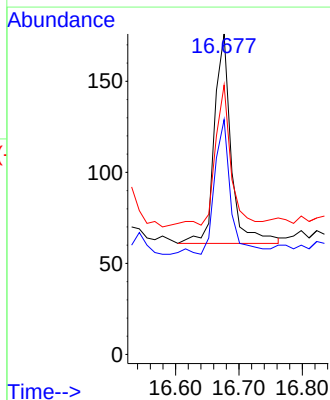
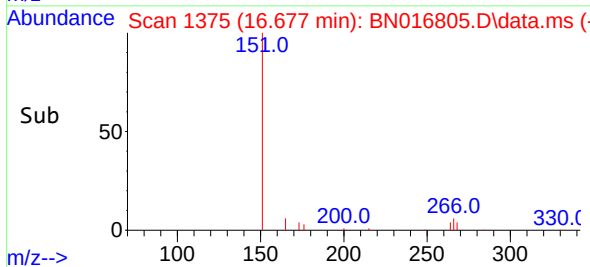
Tgt Ion:188 Resp: 121566
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.8 5.8 8.8#



#24
Pentachlorophenol
Concen: 0.34 ng
RT: 16.677 min Scan# 1375
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



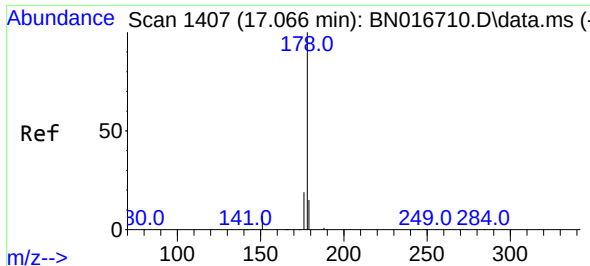
Tgt Ion:266 Resp: 212
Ion Ratio Lower Upper
266 100
264 58.0 49.3 73.9
268 56.6 51.8 77.8



Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

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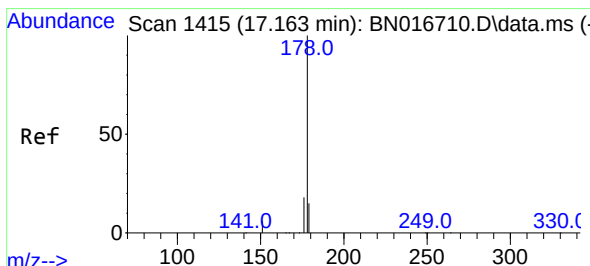
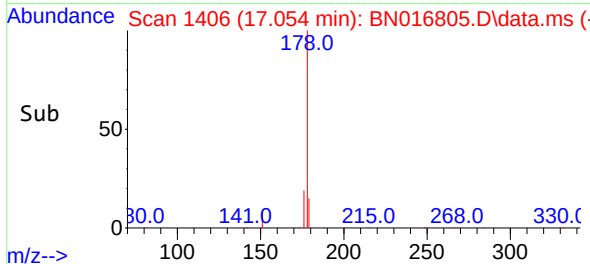
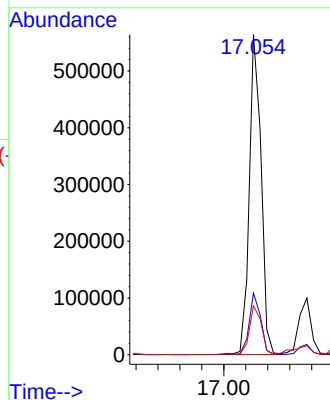
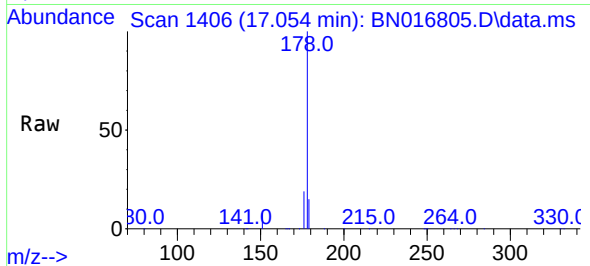
#25
Phenanthrene
Concen: 2.35 ng
RT: 17.054 min Scan# 1406
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:178 Resp: 841545
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.6 12.4 18.6

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

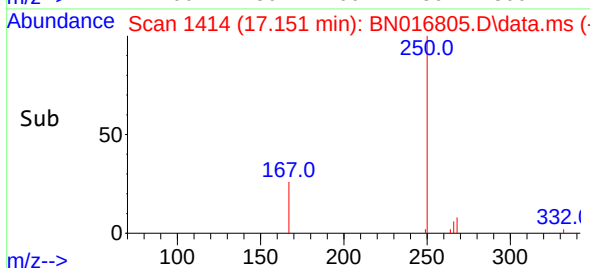
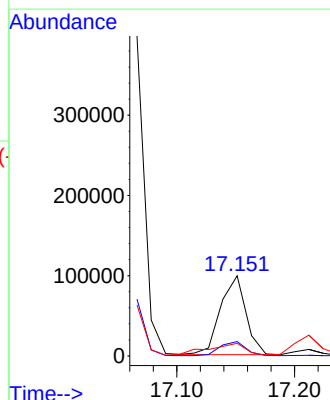
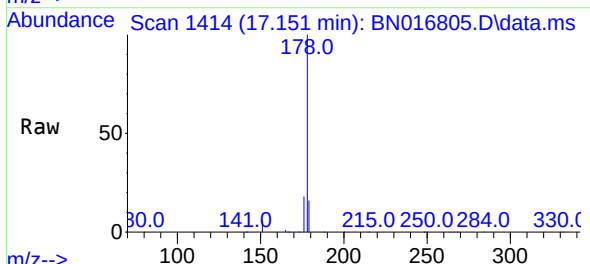
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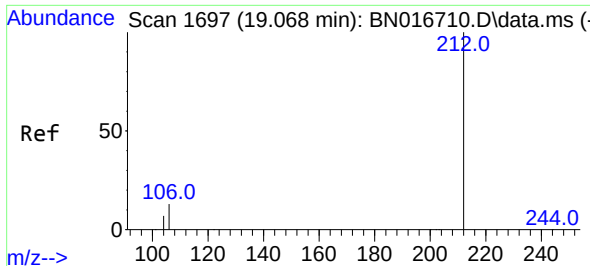
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#26
Anthracene
Concen: 0.46 ng
RT: 17.151 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

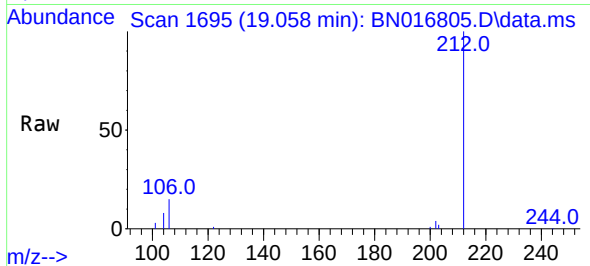
Tgt Ion:178 Resp: 148160
Ion Ratio Lower Upper
178 100
176 18.2 14.5 21.7
179 22.7 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.22 ng
RT: 19.058 min Scan# 1695
Delta R.T. -0.005 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

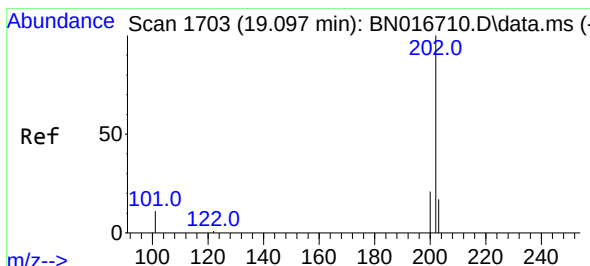
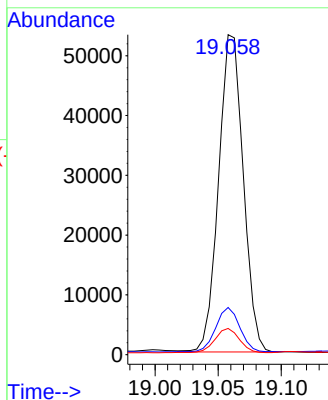
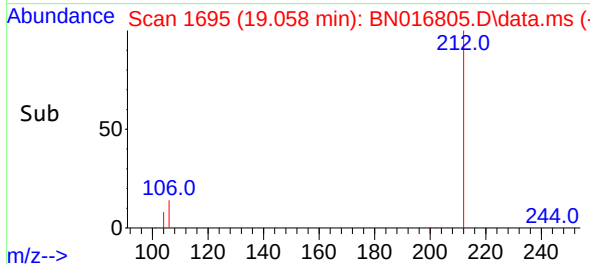
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421



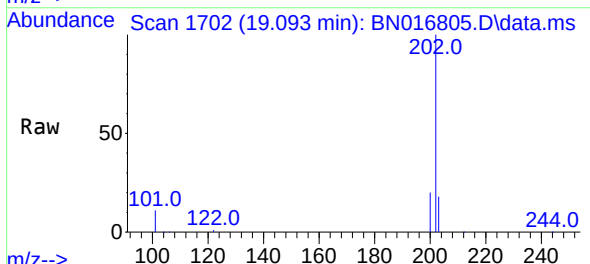
Tgt Ion:212 Resp: 72128
Ion Ratio Lower Upper
212 100
106 13.6 10.6 16.0
104 7.6 5.8 8.8

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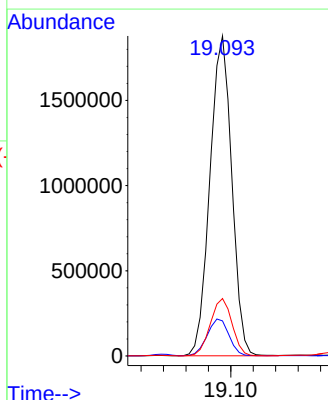
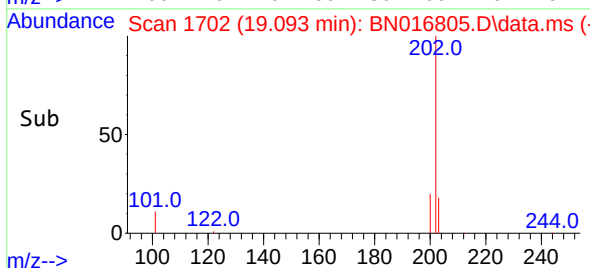
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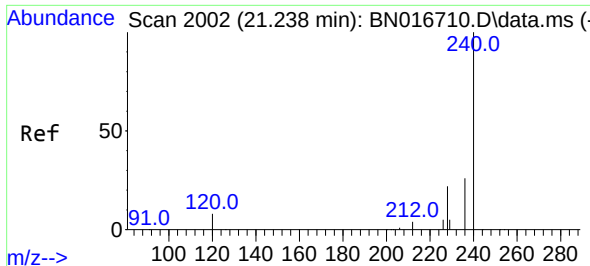


#28
Fluoranthene
Concen: 6.40 ng
RT: 19.093 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



Tgt Ion:202 Resp: 2537389
Ion Ratio Lower Upper
202 100
101 11.4 8.9 13.3
203 17.8 13.8 20.8





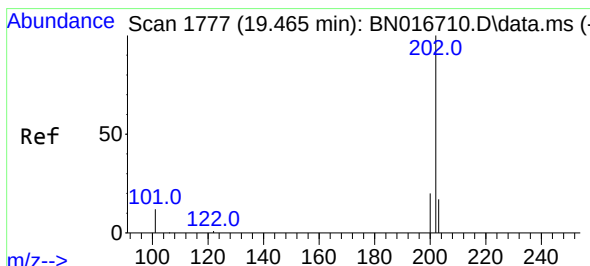
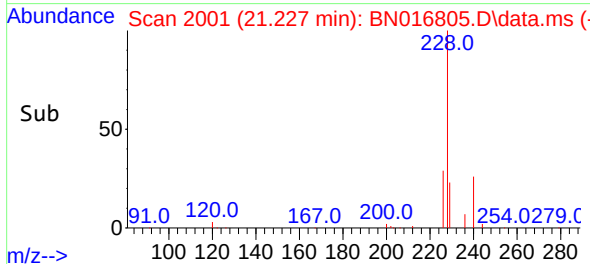
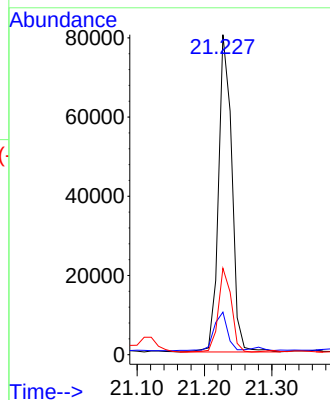
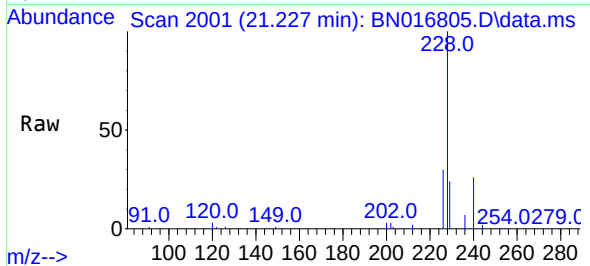
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.227 min Scan# 2001
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:240 Resp: 109978
Ion Ratio Lower Upper
240 100
120 13.3 6.6 10.0#
236 27.0 20.7 31.1

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

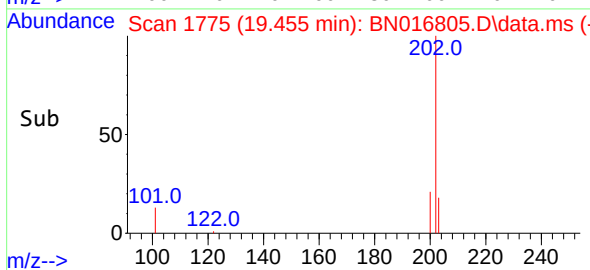
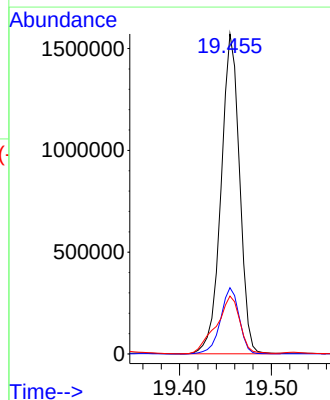
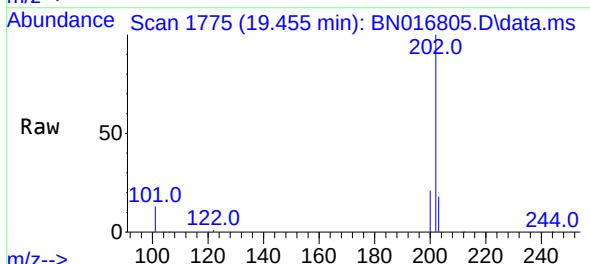
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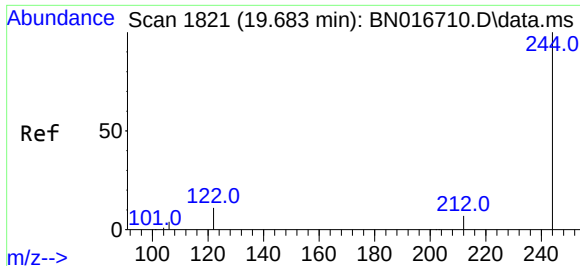
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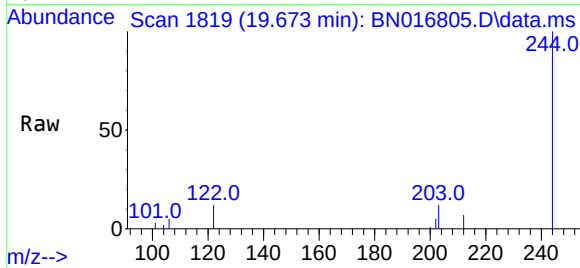
#30
Pyrene
Concen: 6.09 ng
RT: 19.455 min Scan# 1775
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:202 Resp: 2203721
Ion Ratio Lower Upper
202 100
200 20.8 16.5 24.7
203 23.1 13.9 20.9#

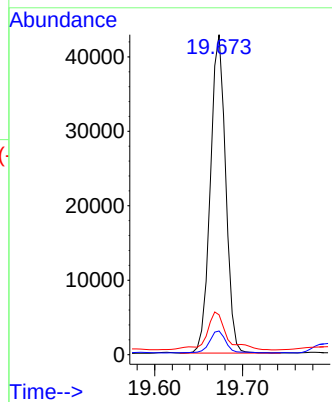
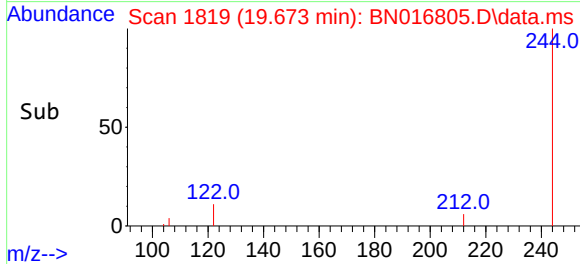




#31
 Terphenyl-d14
 Concen: 0.21 ng
 RT: 19.673 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: BN016805.D
 Acq: 07 Oct 2021 07:55



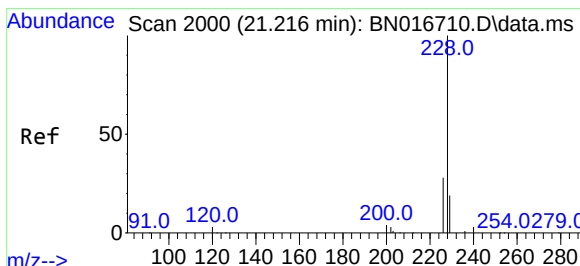
Tgt Ion:244 Resp: 51654
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 12.5 8.9 13.3



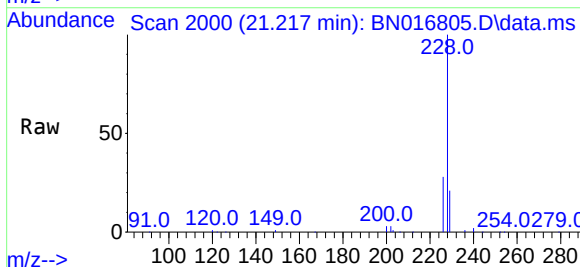
Instrument :
 BNA_N
 ClientSampleId :
 S-816-N-SO-0-0.5-092421

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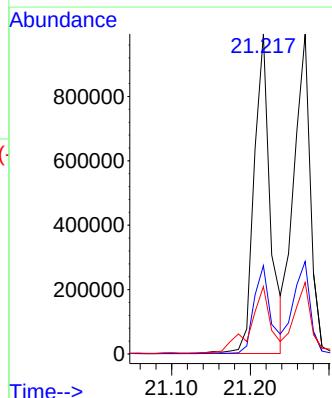
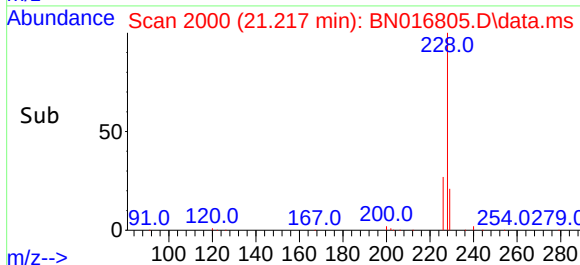
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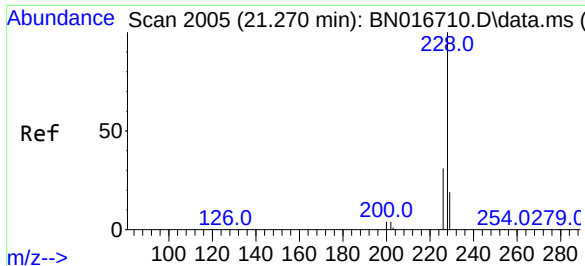


#32
 Benzo(a)anthracene
 Concen: 4.15 ng
 RT: 21.217 min Scan# 2000
 Delta R.T. -0.000 min
 Lab File: BN016805.D
 Acq: 07 Oct 2021 07:55



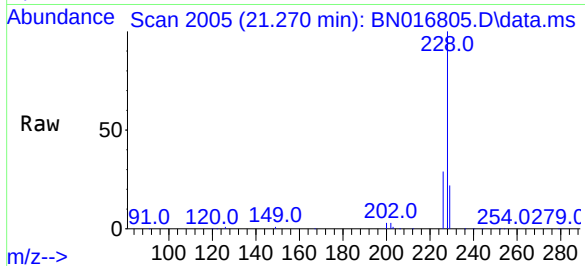
Tgt Ion:228 Resp: 1416894
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.3 33.5
 229 21.0 15.4 23.0





#33
Chrysene
Concen: 4.16 ng
RT: 21.270 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

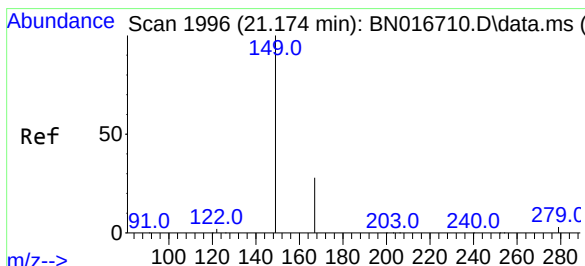
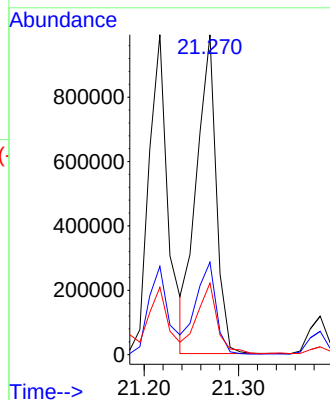
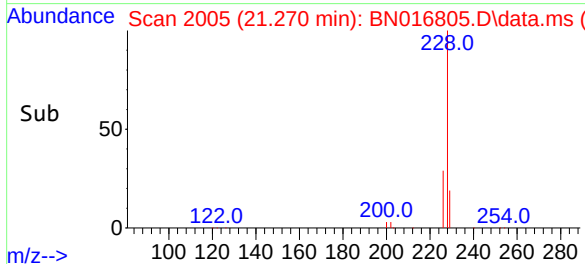
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421



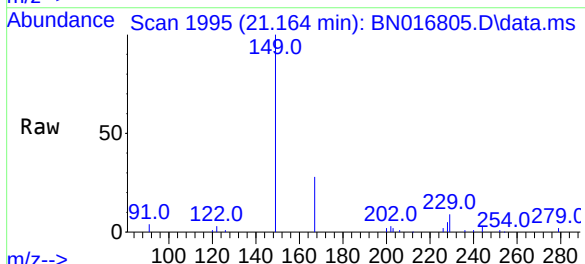
Tgt Ion:228 Resp: 1439569
Ion Ratio Lower Upper
228 100
226 28.9 24.2 36.4
229 22.4 15.4 23.0

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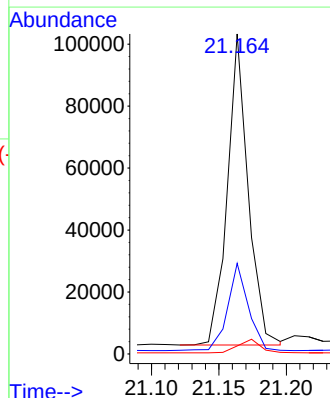
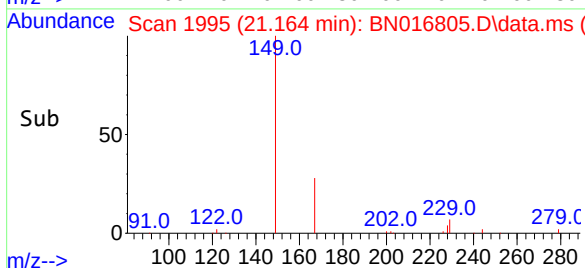
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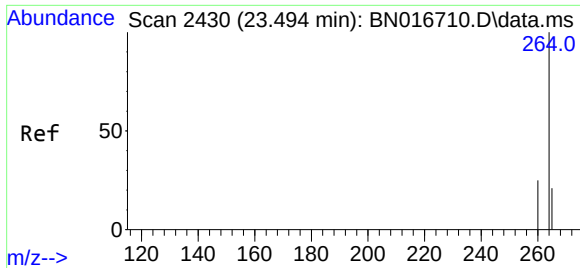


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.52 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55



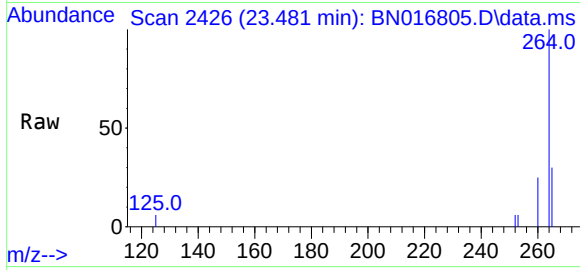
Tgt Ion:149 Resp: 107696
Ion Ratio Lower Upper
149 100
167 27.8 22.2 33.4
279 4.6 3.4 5.2





#35
Perylene-d12
Concen: 0.40 ng
RT: 23.481 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

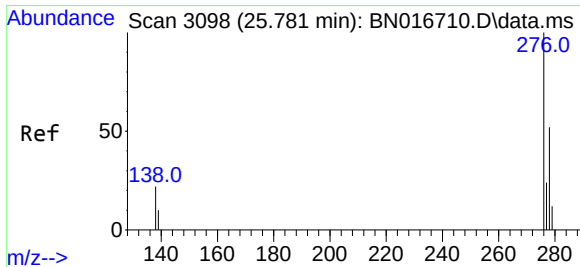
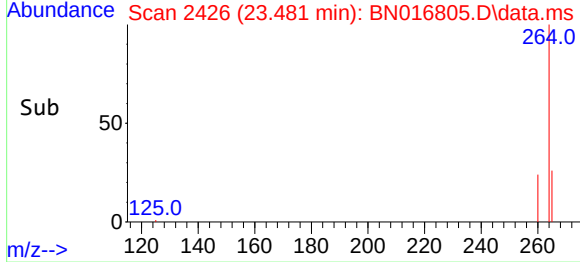
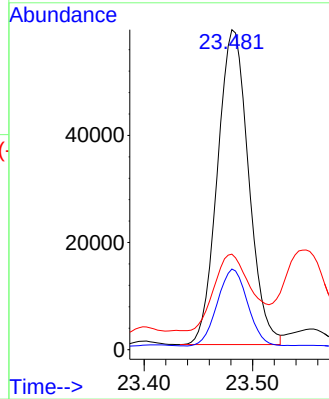
Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421



Tgt Ion:264 Resp: 117070
Ion Ratio Lower Upper
264 100
260 25.2 19.8 29.6
265 29.8 20.3 30.5

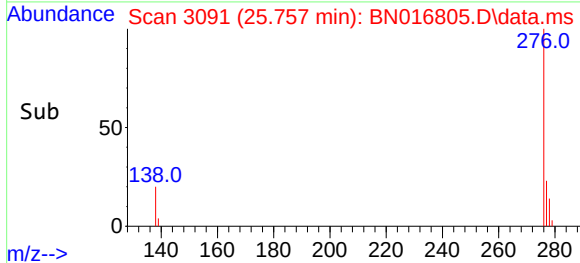
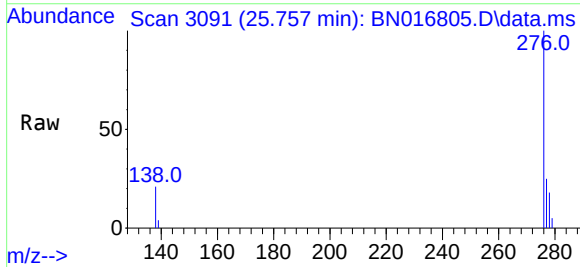
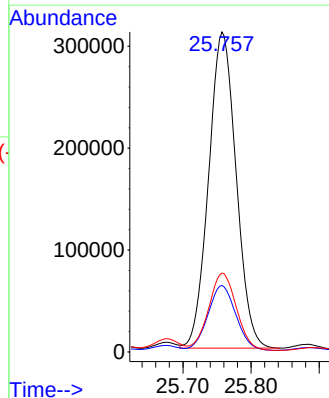
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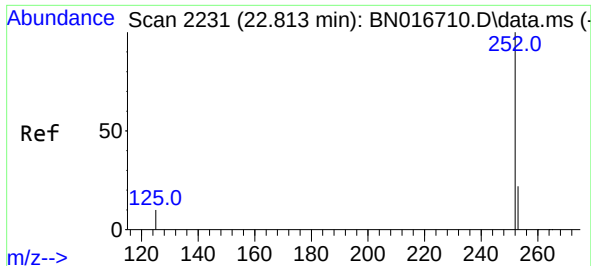
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#36
Indeno(1,2,3-cd)pyrene
Concen: 2.34 ng
RT: 25.757 min Scan# 3091
Delta R.T. 0.003 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:276 Resp: 869853
Ion Ratio Lower Upper
276 100
138 20.9 19.2 28.8
277 24.7 20.0 30.0





#37
Benzo(b)fluoranthene
Concen: 5.69 ng
RT: 22.810 min Scan# 2230
Delta R.T. 0.007 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

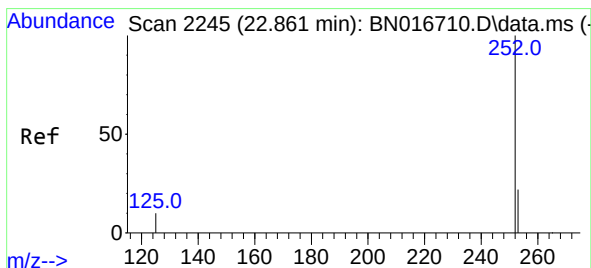
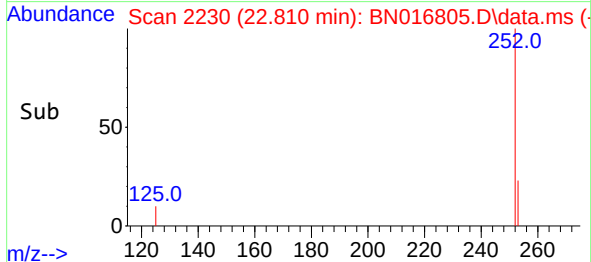
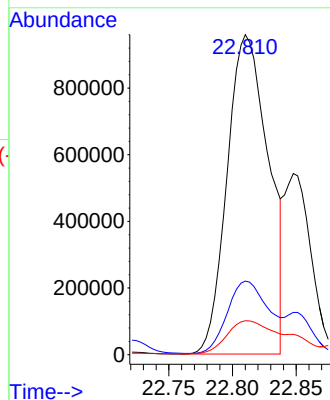
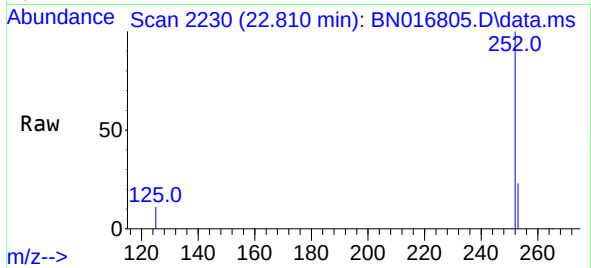
Tgt Ion:252 Resp: 2155214

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	10.6	8.3	12.5

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

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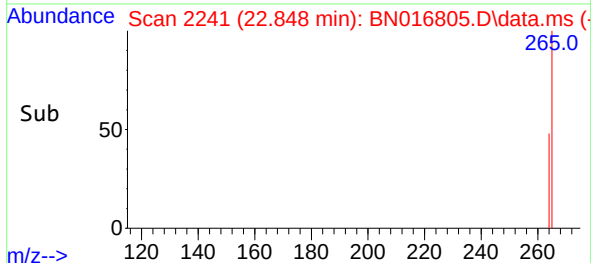
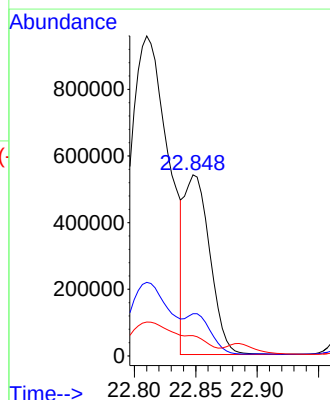
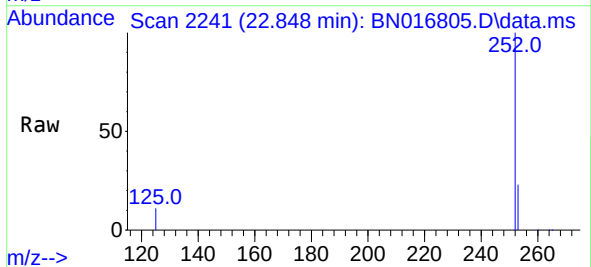
mohammad
10/8/2021 8:34:00 AM

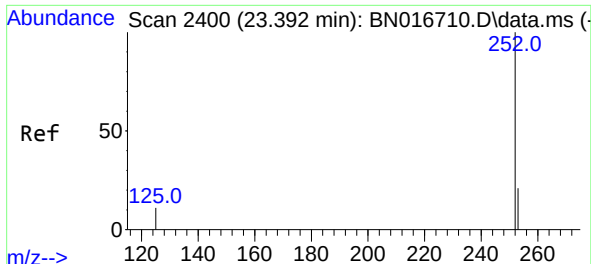


#38
Benzo(k)fluoranthene
Concen: 2.14 ng m
RT: 22.848 min Scan# 2241
Delta R.T. -0.000 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:252 Resp: 778340

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.2	8.5	12.7





#39
Benzo(a)pyrene
Concen: 3.79 ng
RT: 23.385 min Scan# 2398
Delta R.T. 0.003 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

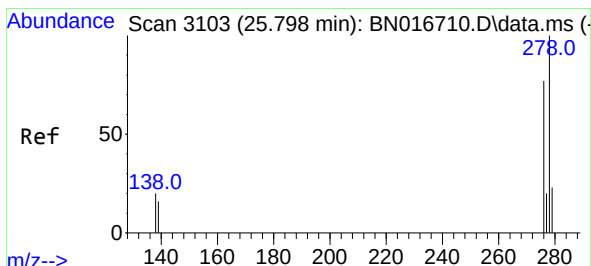
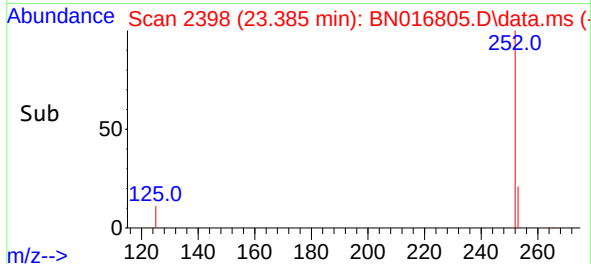
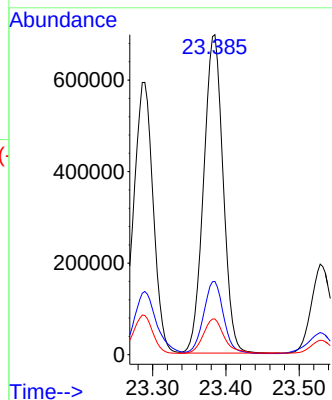
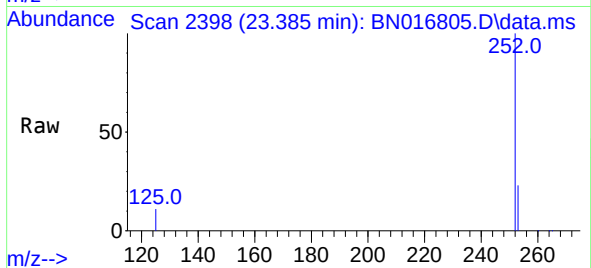
Tgt Ion:252 Resp: 1284404

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	11.2	9.4	14.2

Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

Manual Integrations
APPROVED

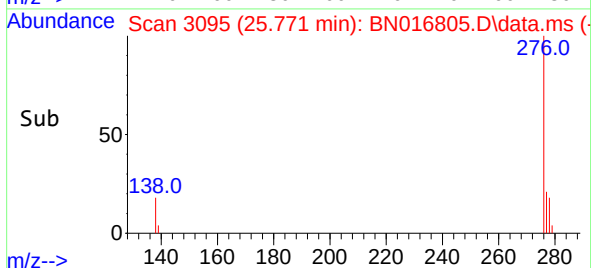
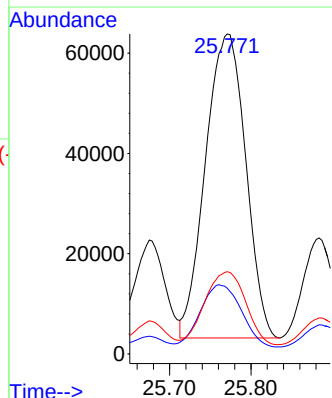
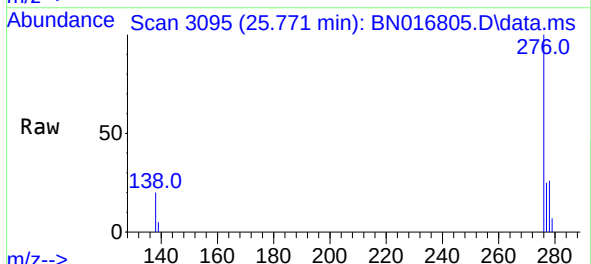
mohammad
10/8/2021 8:34:00 AM

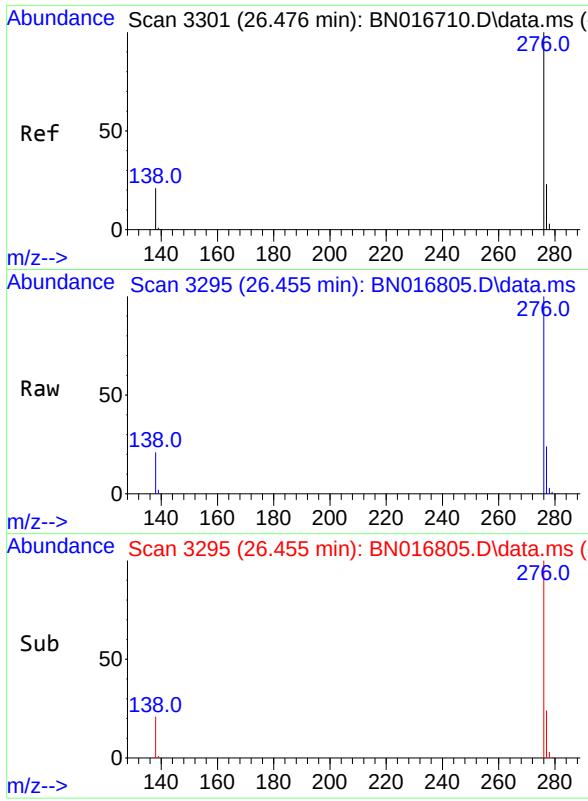


#40
Dibenzo(a,h)anthracene
Concen: 0.71 ng
RT: 25.771 min Scan# 3095
Delta R.T. -0.007 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:278 Resp: 208002

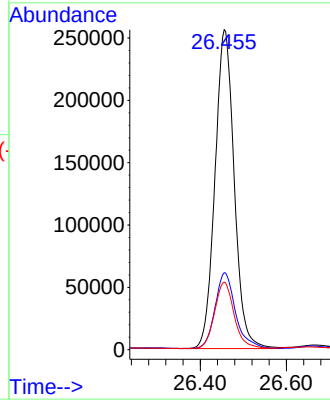
Ion	Ratio	Lower	Upper
278	100		
139	20.6	13.1	19.7#
279	25.7	19.3	28.9





#41
Benzo(g,h,i)perylene
Concen: 2.40 ng
RT: 26.455 min Scan# 3295
Delta R.T. 0.003 min
Lab File: BN016805.D
Acq: 07 Oct 2021 07:55

Tgt Ion:	276	Resp:	792700
Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	21.1	17.0	25.6



Instrument :
BNA_N
ClientSampleId :
S-816-N-SO-0-0.5-092421

Manual Integrations
APPROVED

mohammad
10/8/2021 8:34:00 AM