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 Data File : BN016770.D
 Acq On : 06 Oct 2021 08:42
 Operator : CG/JU
 Sample : M3892-15 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-832-J-SO-1-1.5-092221

Manual Integrations
 APPROVED

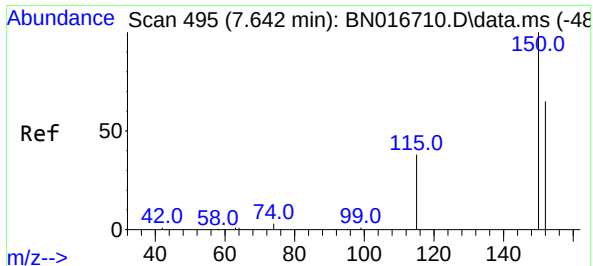
mohammad
 10/7/2021 8:32:08 AM

Quant Time: Oct 06 10:30:51 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 04 17:52:33 2021
 Response via : Initial Calibration

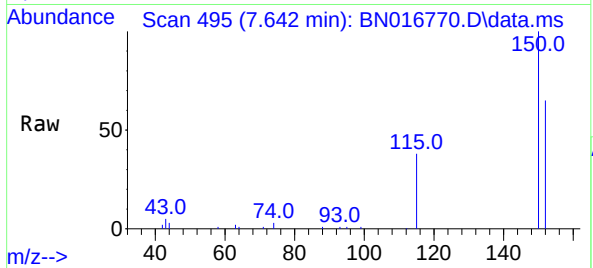
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.642	152	26783	0.40	ng	0.00
7) Naphthalene-d8	10.406	136	124152	0.40	ng	# 0.00
13) Acenaphthene-d10	14.268	164	71791	0.40	ng	0.00
19) Phenanthrene-d10	17.029	188	141214	0.40	ng	0.00
29) Chrysene-d12	21.270	240	97594	0.40	ng	# 0.03
35) Perylene-d12	23.518	264	160749	0.40	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.263	112	2222	0.03	ng	0.00
5) Phenol-d6	6.821	99	2293	0.03	ng	0.00
8) Nitrobenzene-d5	8.784	82	2582	0.03	ng	0.00
11) 2-Methylnaphthalene-d10	12.002	152	5922	0.03	ng	0.00
14) 2,4,6-Tribromophenol	15.765	330	1202	0.15	ng	-0.01
15) 2-Fluorobiphenyl	12.885	172	7434	0.03	ng	-0.01
27) Fluoranthene-d10	19.072	212	13808m	0.04	ng	0.00
31) Terphenyl-d14	19.718	244	9407m	0.04	ng	0.03
Target Compounds						Qvalue
9) Naphthalene	10.457	128	44054	0.13	ng	99
12) 2-Methylnaphthalene	12.074	142	88128	0.41	ng	99
16) Acenaphthylene	13.989	152	30441	0.10	ng	# 88
17) Acenaphthene	14.332	154	965025	4.61	ng	99
18) Fluorene	15.321	166	1168076	4.62	ng	98
24) Pentachlorophenol	16.689	266	161	0.34	ng	# 74
25) Phenanthrene	17.078	178	13387577	32.25	ng	96
26) Anthracene	17.163	178	6146623	16.58	ng	# 96
28) Fluoranthene	19.112	202	25405644m	55.15	ng	
30) Pyrene	19.485	202	23923599m	74.55	ng	
32) Benzo(a)anthracene	21.248	228	21120196	69.77	ng	# 89
33) Chrysene	21.312	228	17945541	58.44	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.174	149	63926	0.35	ng	# 75
36) Indeno(1,2,3-cd)pyrene	25.815	276	5547769	10.87	ng	97
37) Benzo(b)fluoranthene	22.865	252	22312653	42.93	ng	95
38) Benzo(k)fluoranthene	22.899	252	7817046m	15.65	ng	
39) Benzo(a)pyrene	23.443	252	14491393	31.16	ng	96
40) Dibenzo(a,h)anthracene	25.822	278	1856778	4.59	ng	95
41) Benzo(g,h,i)perylene	26.513	276	4209284	9.29	ng	99

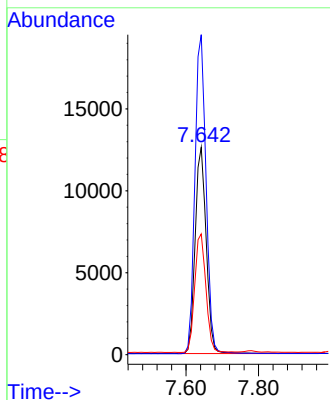
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016770.D
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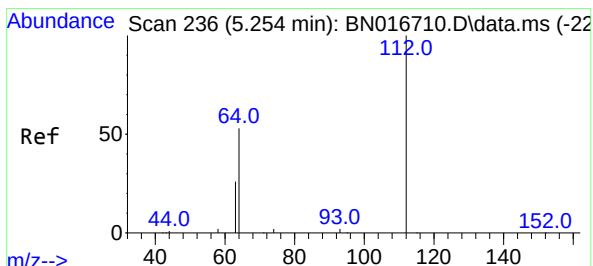
Tgt Ion:152 Resp: 26783
Ion Ratio Lower Upper
152 100
150 154.3 123.3 184.9
115 58.2 47.0 70.6



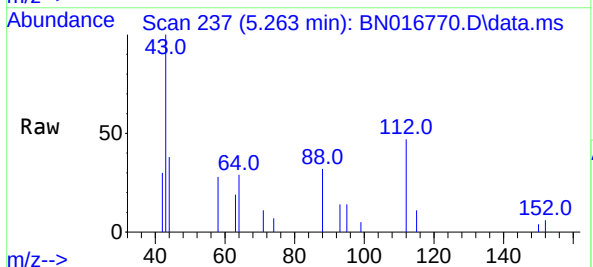
Instrument :
BNA_N
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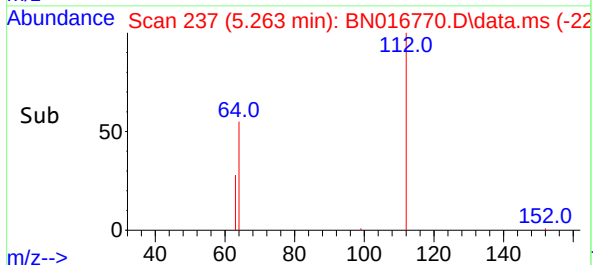
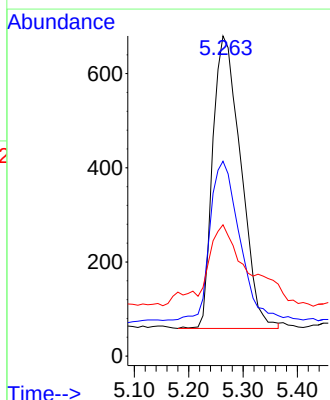
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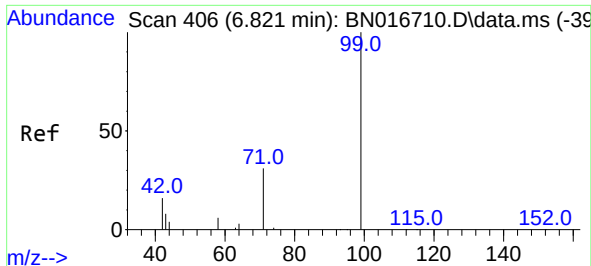


#4
2-Fluorophenol
Concen: 0.03 ng
RT: 5.263 min Scan# 237
Delta R.T. 0.009 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



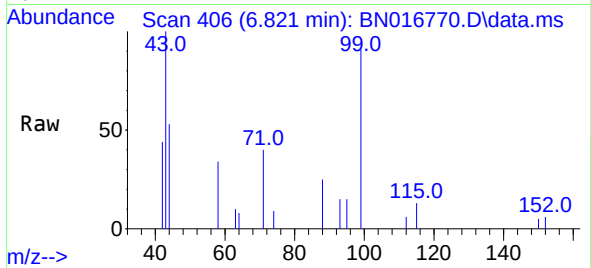
Tgt Ion:112 Resp: 2222
Ion Ratio Lower Upper
112 100
64 56.5 42.9 64.3
63 29.5 21.5 32.3





#5
Phenol-d6
Concen: 0.03 ng
RT: 6.821 min Scan# 406
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

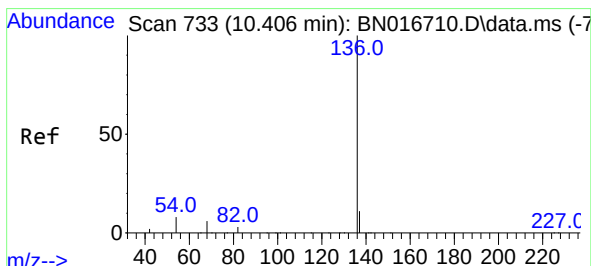
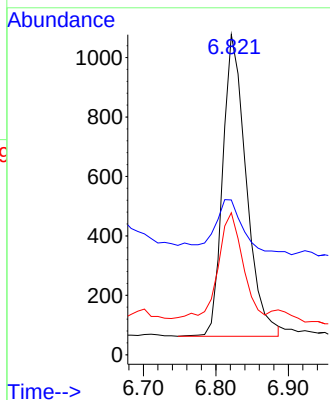
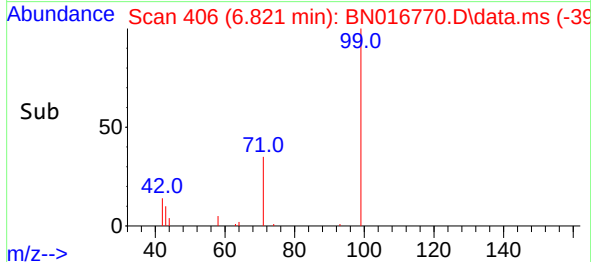
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BNA_N
ClientSampleId :
S-832-J-SO-1-1.5-092221



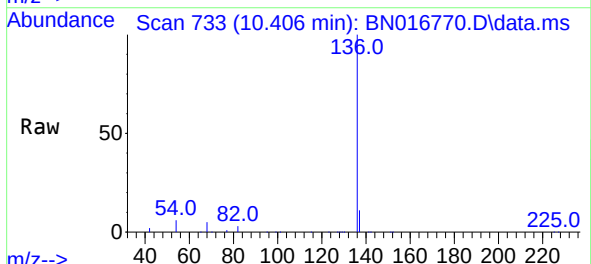
Tgt Ion: 99 Resp: 2293
Ion Ratio Lower Upper
99 100
42 18.7 13.4 20.2
71 36.3 24.0 36.0#

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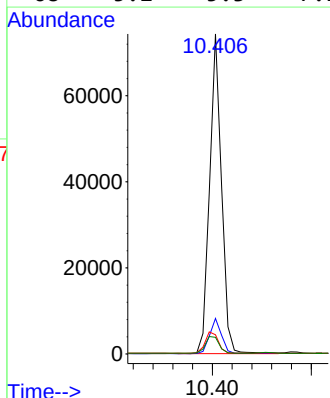
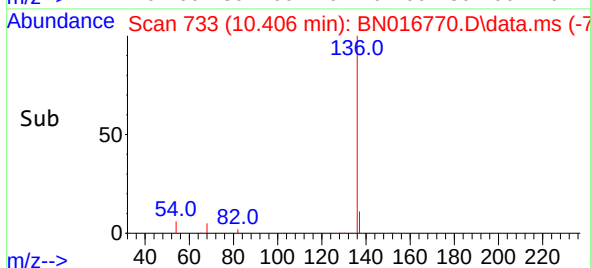
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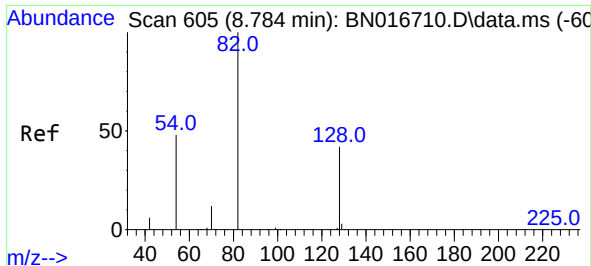


#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.406 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



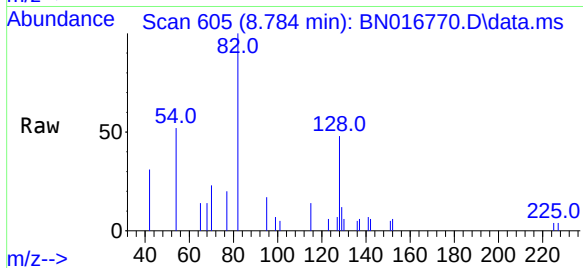
Tgt Ion: 136 Resp: 124152
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.0 6.5 9.7#
68 5.2 5.3 7.9#





#8
Nitrobenzene-d5
Concen: 0.03 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

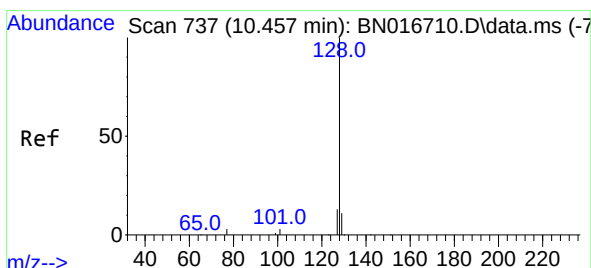
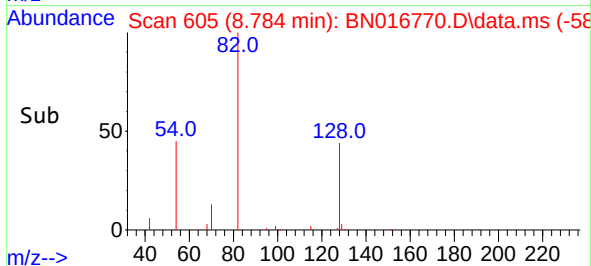
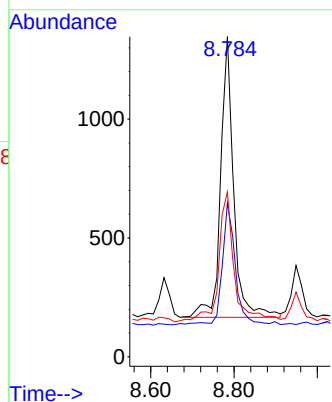
Instrument :
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Tgt Ion: 82 Resp: 2582
Ion Ratio Lower Upper
82 100
128 48.0 33.8 50.6
54 51.5 38.5 57.7

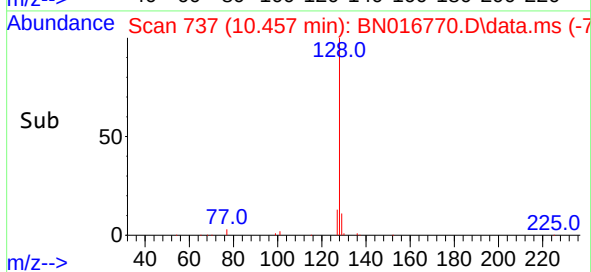
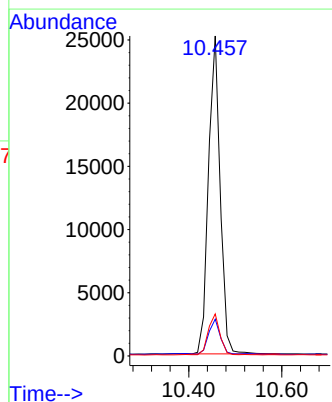
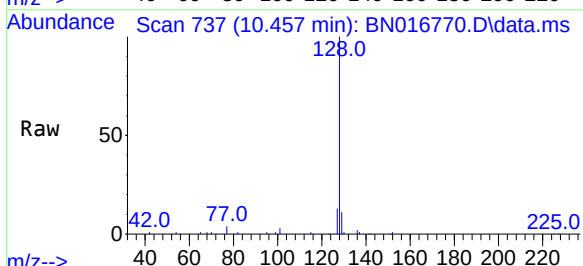
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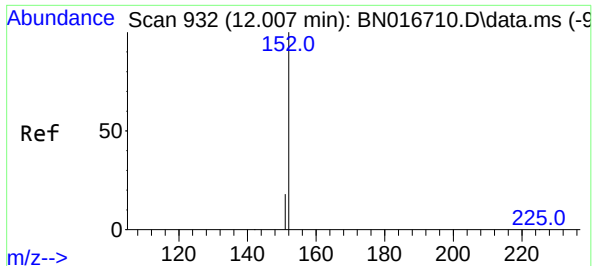
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#9
Naphthalene
Concen: 0.13 ng
RT: 10.457 min Scan# 737
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion: 128 Resp: 44054
Ion Ratio Lower Upper
128 100
129 11.5 8.7 13.1
127 13.2 10.3 15.5





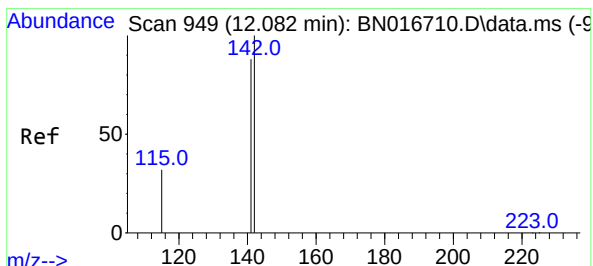
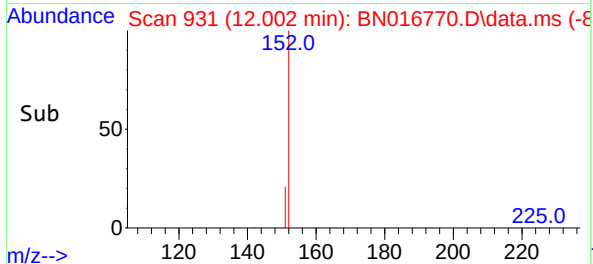
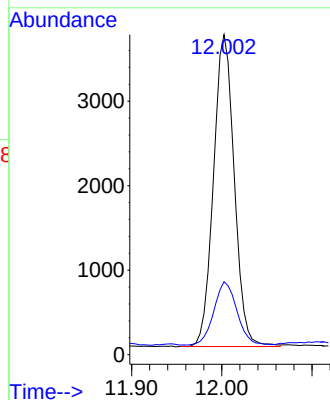
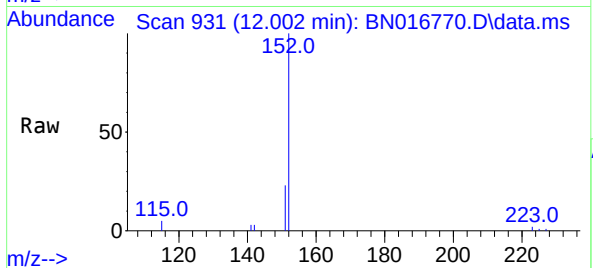
#11
2-Methylnaphthalene-d10
Concen: 0.03 ng
RT: 12.002 min Scan# 931
Delta R.T. -0.004 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion:152 Resp: 5922
Ion Ratio Lower Upper
152 100
151 22.5 16.2 24.4

Instrument :
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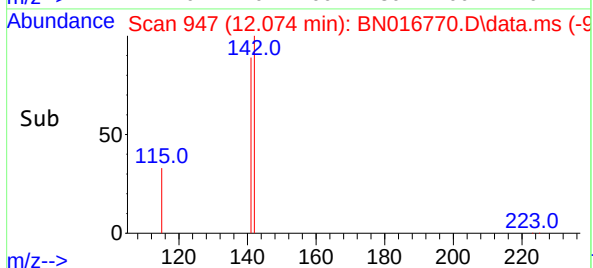
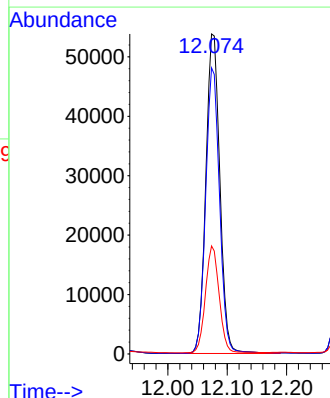
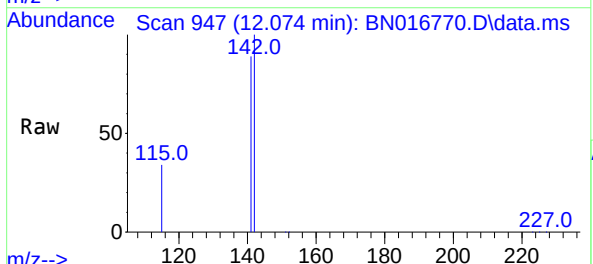
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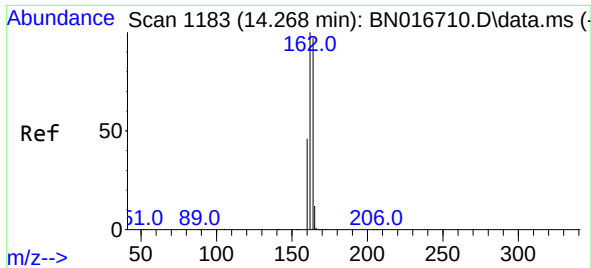
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#12
2-Methylnaphthalene
Concen: 0.41 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.009 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion:142 Resp: 88128
Ion Ratio Lower Upper
142 100
141 89.4 70.6 106.0
115 33.7 26.1 39.1





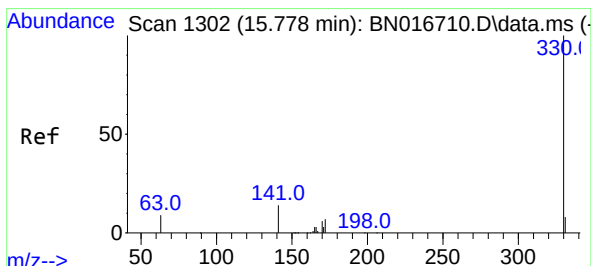
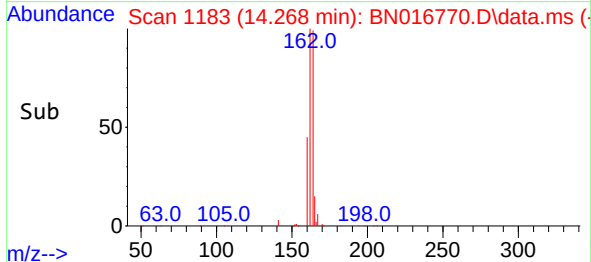
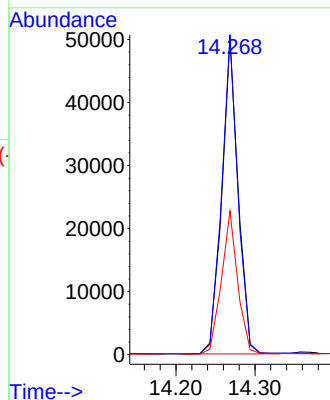
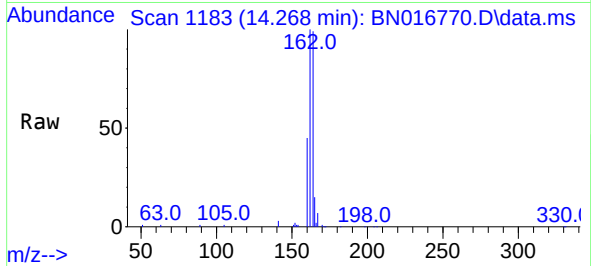
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.268 min Scan# 1183
Delta R.T. -0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion:	164	Resp:	71791
Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	124.0
160	45.4	38.2	57.2

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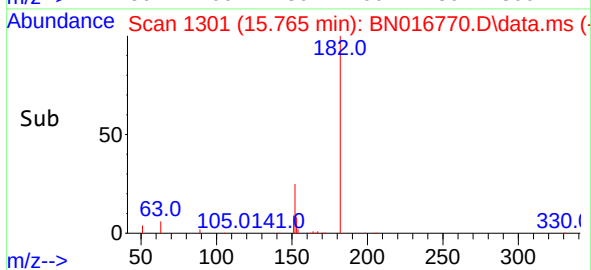
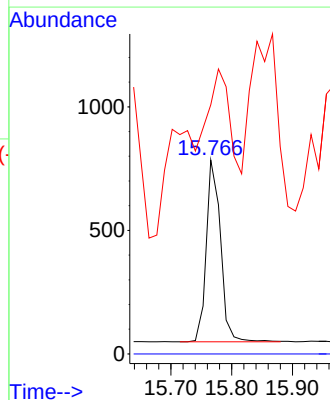
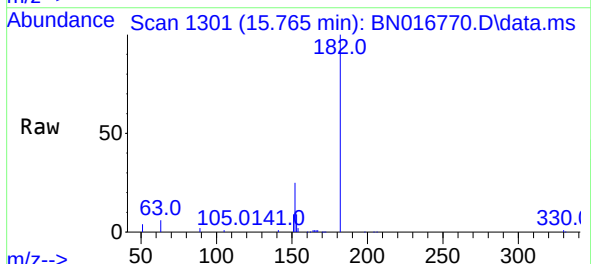
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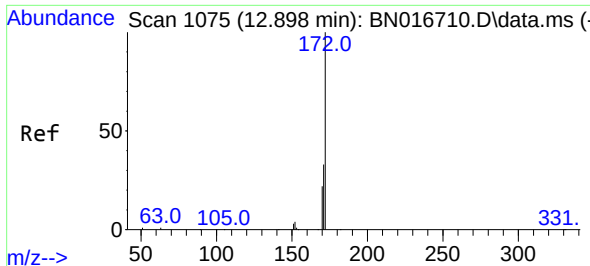
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#14
2,4,6-Tribromophenol
Concen: 0.15 ng
RT: 15.765 min Scan# 1301
Delta R.T. -0.013 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion:	330	Resp:	1202
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	83.1	24.2	36.2





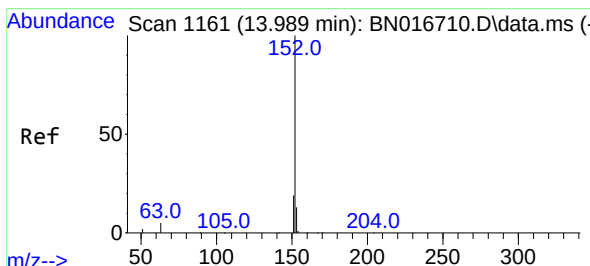
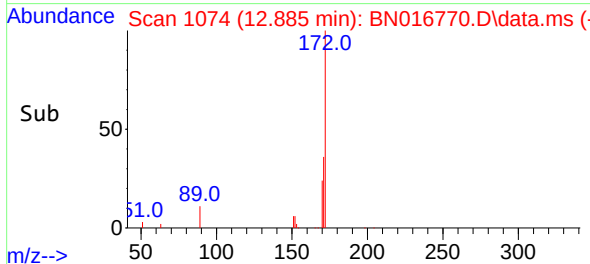
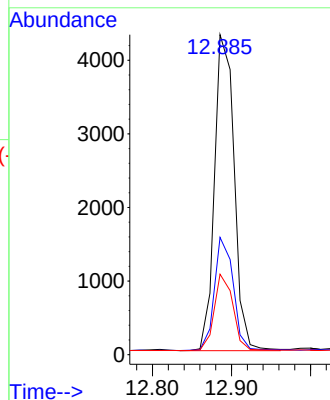
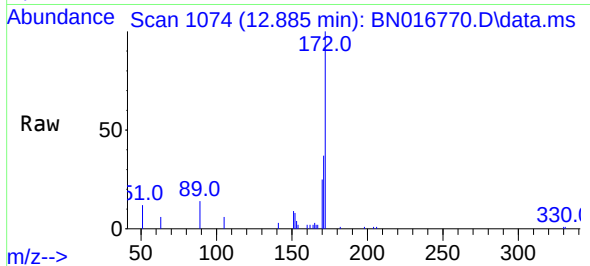
#15
2-Fluorobiphenyl
Concen: 0.03 ng
RT: 12.885 min Scan# 1074
Delta R.T. -0.013 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion:	172	Resp:	7434
Ion Ratio	Lower	Upper	
172	100		
171	36.6	26.9	40.3
170	25.1	17.4	26.0

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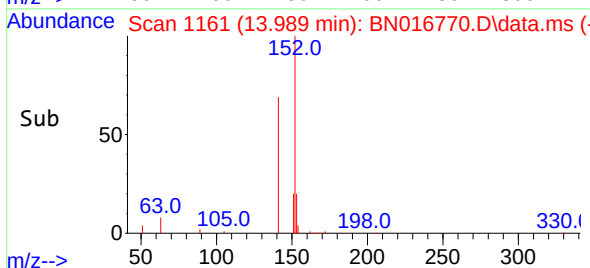
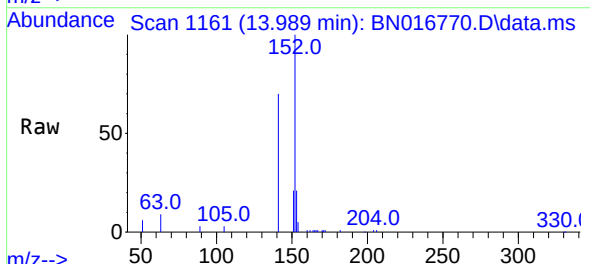
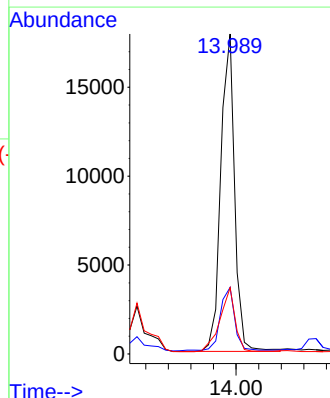
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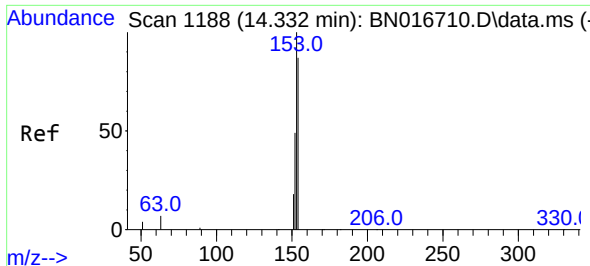
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#16
Acenaphthylene
Concen: 0.10 ng
RT: 13.989 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

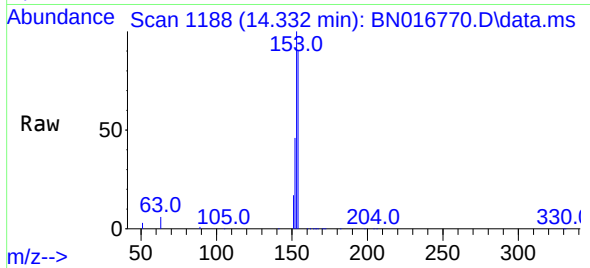
Tgt Ion:	152	Resp:	30441
Ion Ratio	Lower	Upper	
152	100		
151	21.3	15.5	23.3
153	22.3	10.4	15.6#





#17
Acenaphthene
Concen: 4.61 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

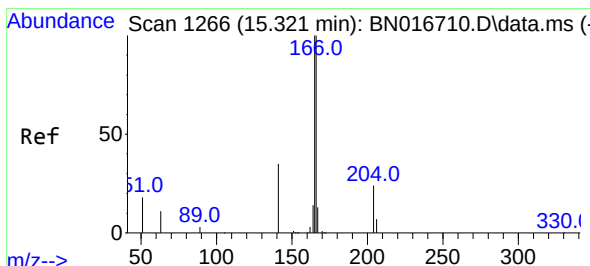
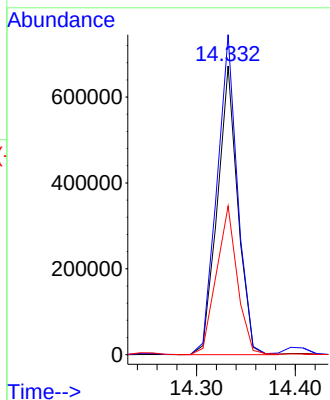
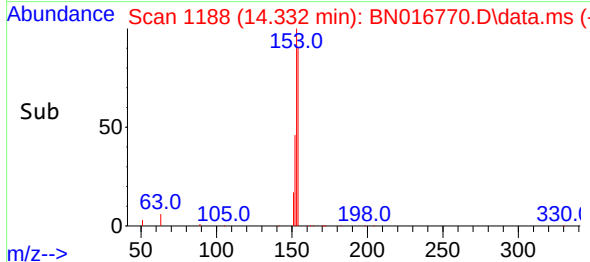
Instrument :
BNA_N
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S-832-J-SO-1-1.5-092221



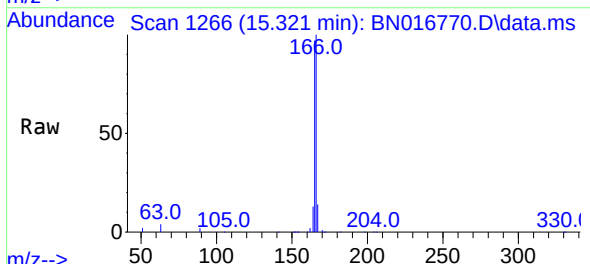
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Ion Ratio Lower Upper
154 100
153 111.6 90.1 135.1
152 53.1 43.6 65.4

Manual Integrations
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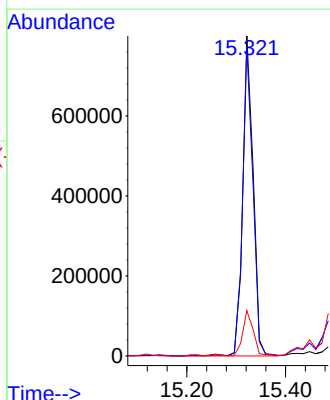
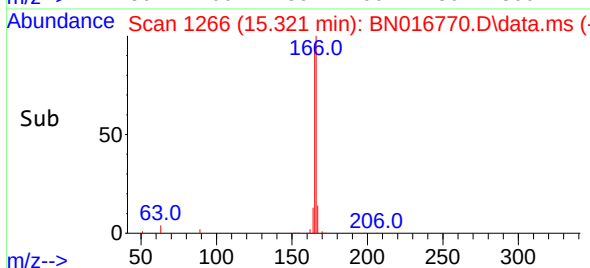
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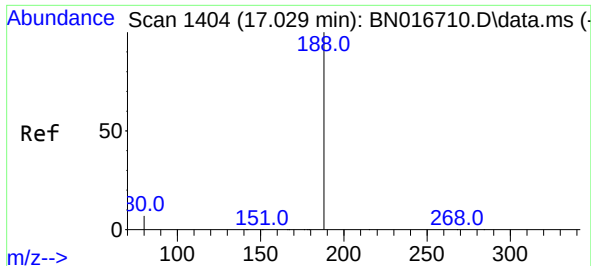


#18
Fluorene
Concen: 4.62 ng
RT: 15.321 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



Tgt Ion:166 Resp: 1168076
Ion Ratio Lower Upper
166 100
165 95.4 78.1 117.1
167 14.6 10.7 16.1





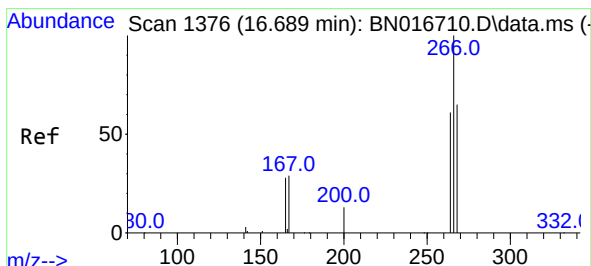
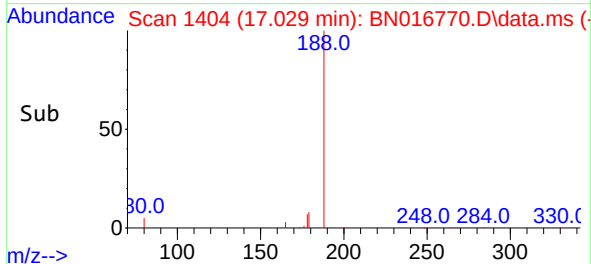
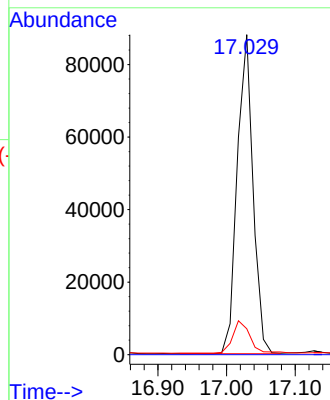
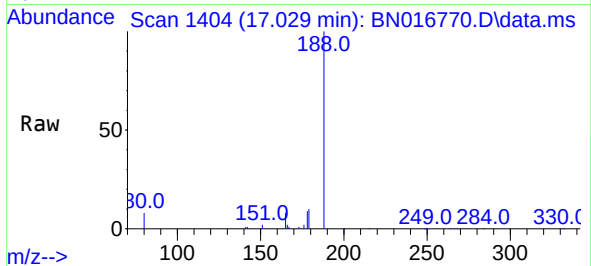
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.029 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion:	188	Resp:	141214
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.1	5.8	8.8

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-1-1.5-092221

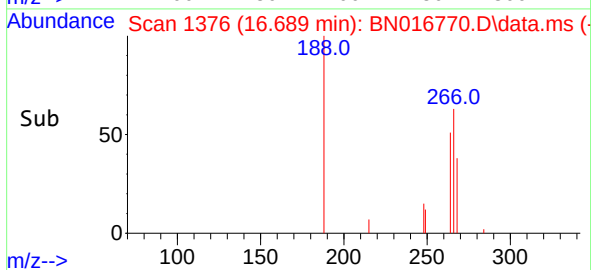
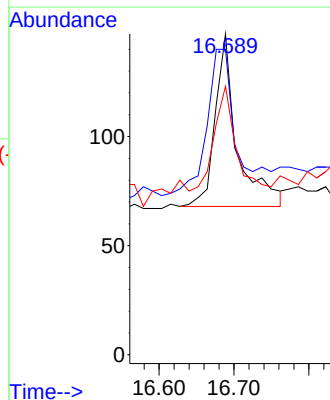
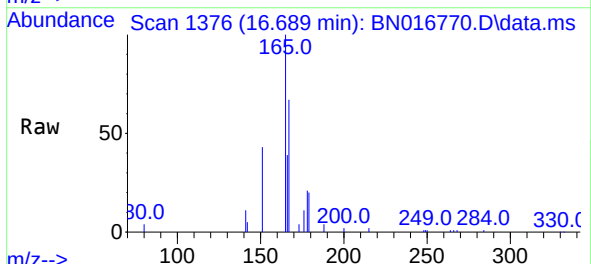
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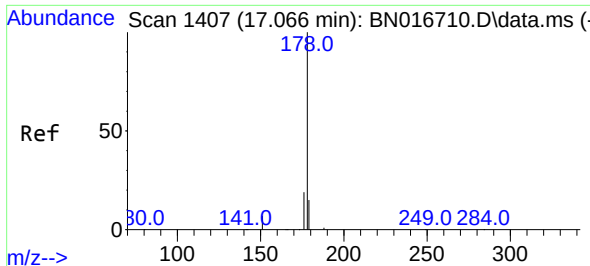
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#24
Pentachlorophenol
Concen: 0.34 ng
RT: 16.689 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion:	266	Resp:	161
Ion Ratio	Lower	Upper	
266	100		
264	101.2	49.3	73.9#
268	66.5	51.8	77.8





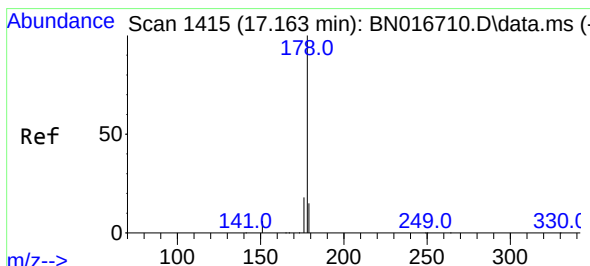
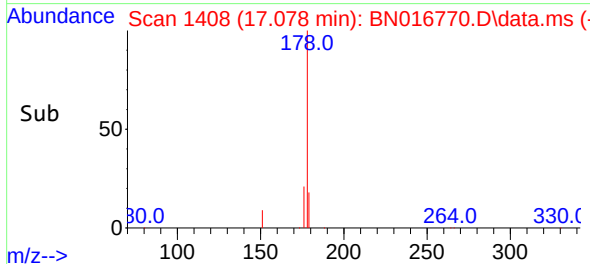
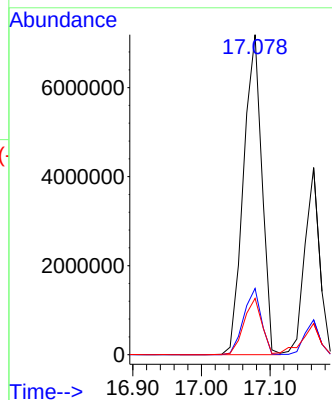
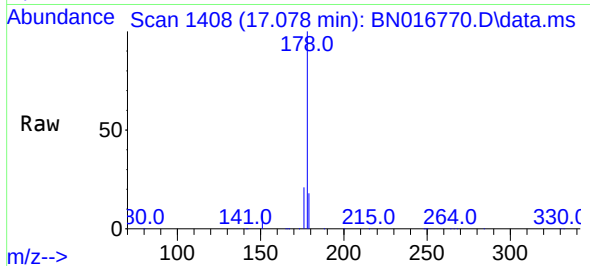
#25
Phenanthrene
Concen: 32.25 ng
RT: 17.078 min Scan# 1408
Delta R.T. 0.012 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion:178 Resp:13387577
Ion Ratio Lower Upper
178 100
176 19.9 15.0 22.6
179 17.5 12.4 18.6

Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-1-1.5-092221

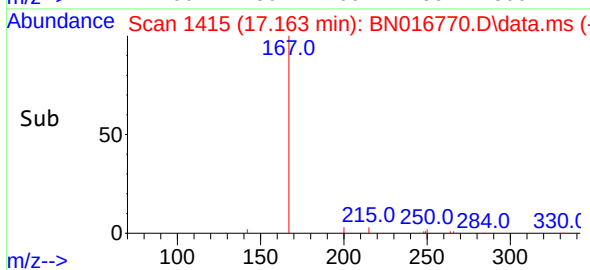
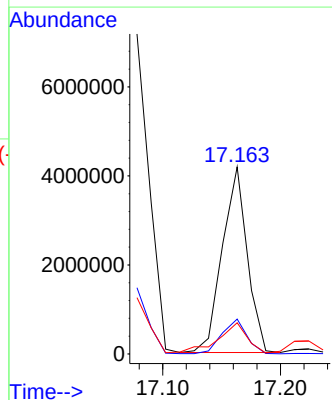
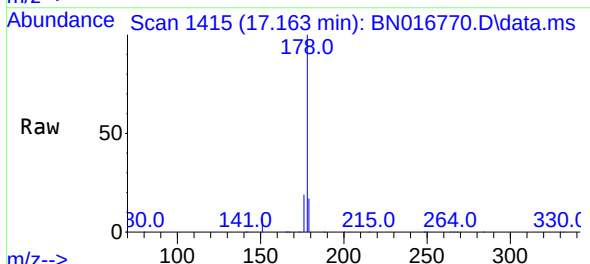
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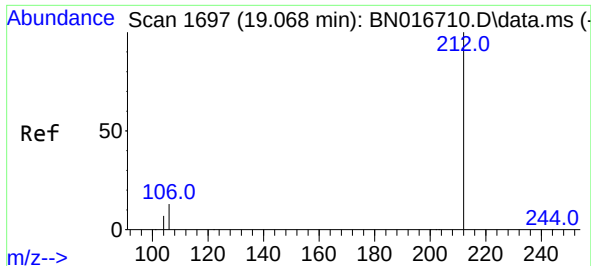
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#26
Anthracene
Concen: 16.58 ng
RT: 17.163 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

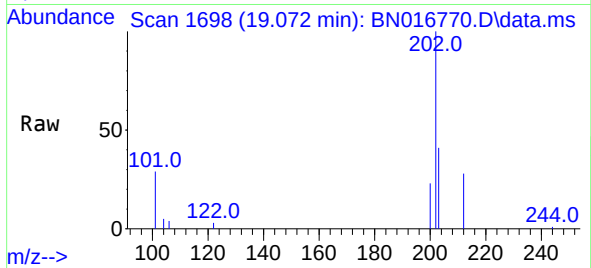
Tgt Ion:178 Resp: 6146623
Ion Ratio Lower Upper
178 100
176 18.5 14.5 21.7
179 18.5 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.04 ng m
RT: 19.072 min Scan# 1698
Delta R.T. 0.005 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

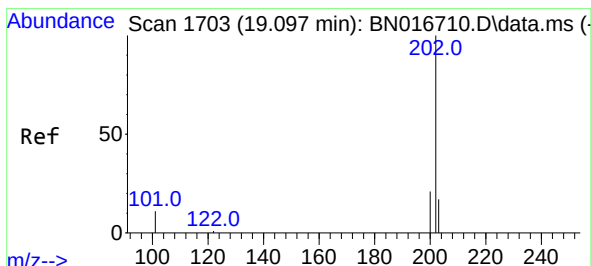
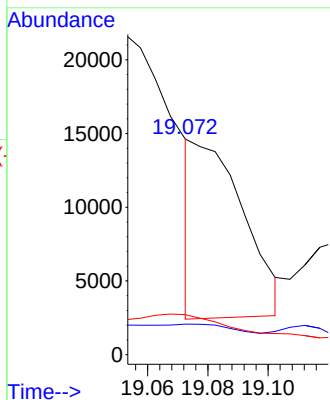
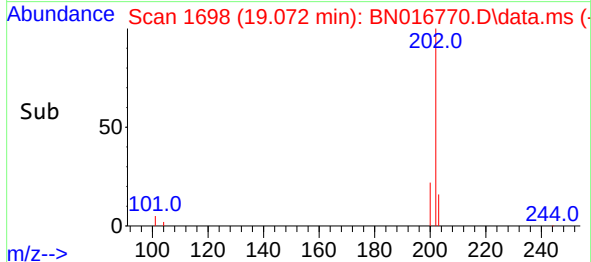
Instrument :
BNA_N
ClientSampleId :
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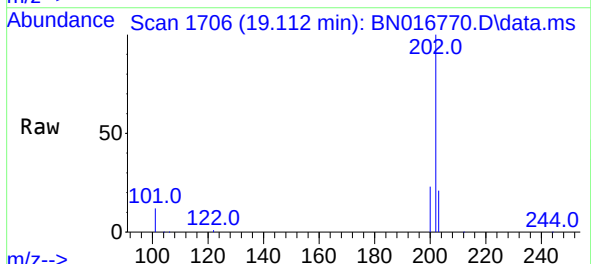
Tgt Ion:212 Resp: 13808
Ion Ratio Lower Upper
212 100
106 4.3 10.6 16.0#
104 0.0 5.8 8.8#

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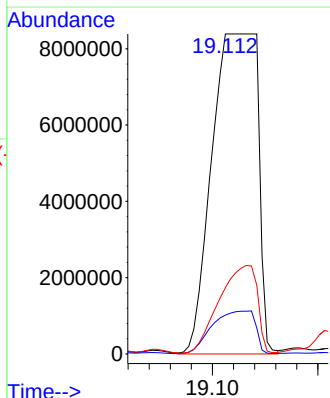
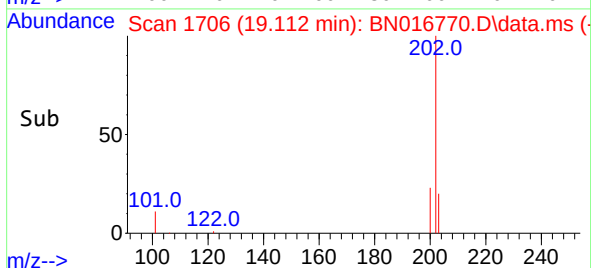
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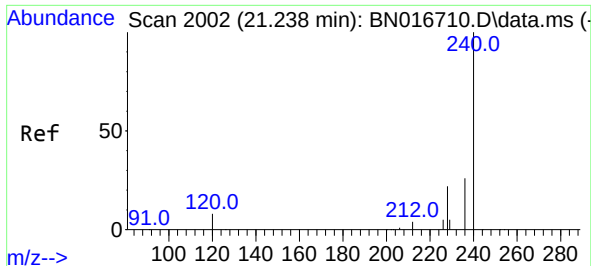


#28
Fluoranthene
Concen: 55.15 ng m
RT: 19.112 min Scan# 1706
Delta R.T. 0.015 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

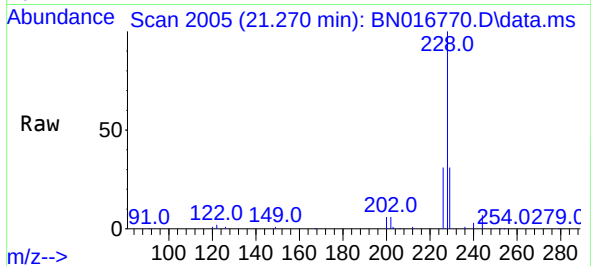


Tgt Ion:202 Resp:25405644
Ion Ratio Lower Upper
202 100
101 0.0 8.9 13.3#
203 0.0 13.8 20.8#

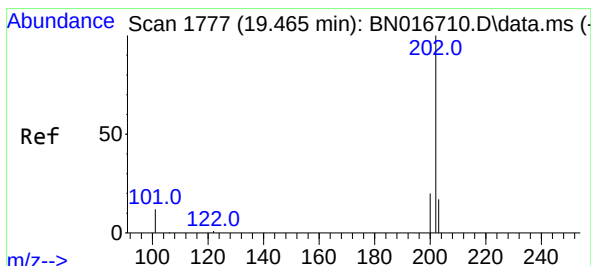
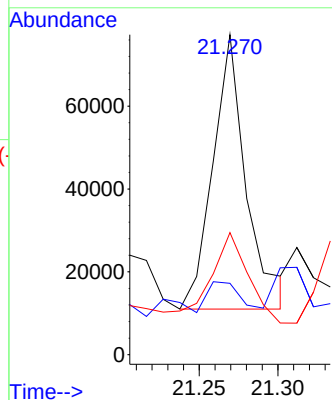
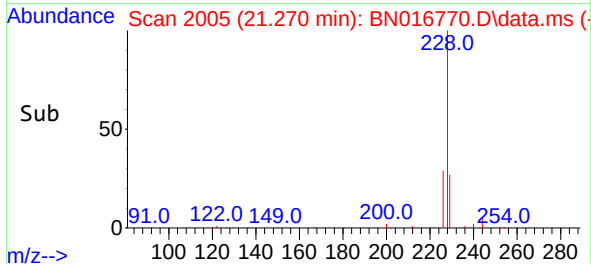




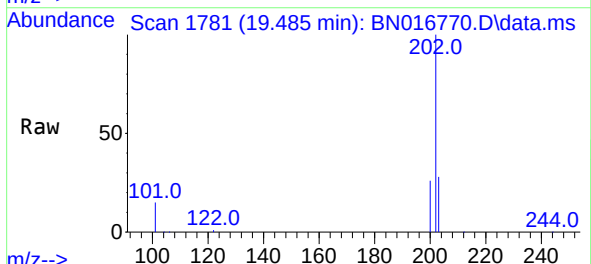
#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.032 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



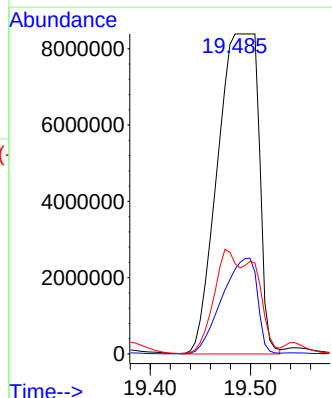
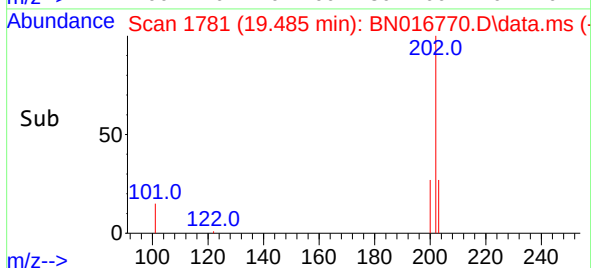
Tgt Ion:240 Resp: 97594
Ion Ratio Lower Upper
240 100
120 22.3 6.6 10.0#
236 38.2 20.7 31.1#



#30
Pyrene
Concen: 74.55 ng m
RT: 19.485 min Scan# 1781
Delta R.T. 0.020 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



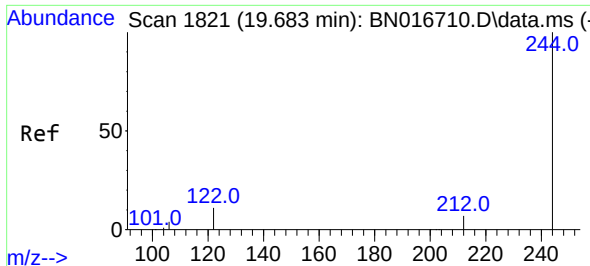
Tgt Ion:202 Resp:23923599
Ion Ratio Lower Upper
202 100
200 0.0 16.5 24.7#
203 0.0 13.9 20.9#



Instrument :
BNA_N
ClientSampleId :
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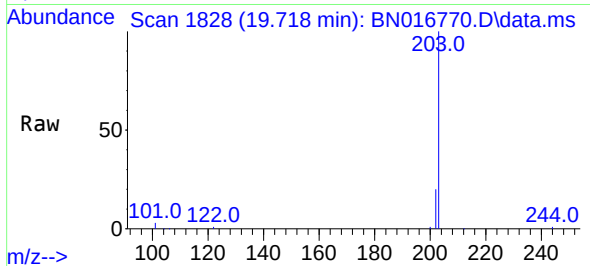
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#31
Terphenyl-d14
Concen: 0.04 ng m
RT: 19.718 min Scan# 1828
Delta R.T. 0.035 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

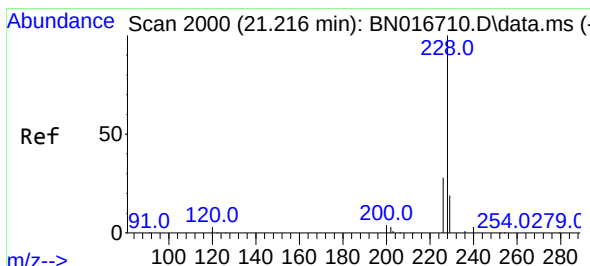
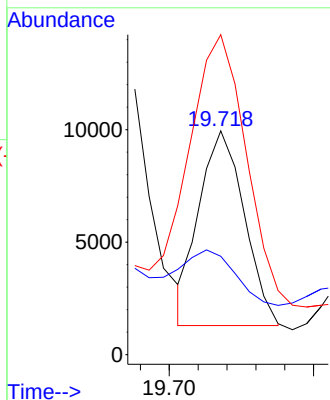
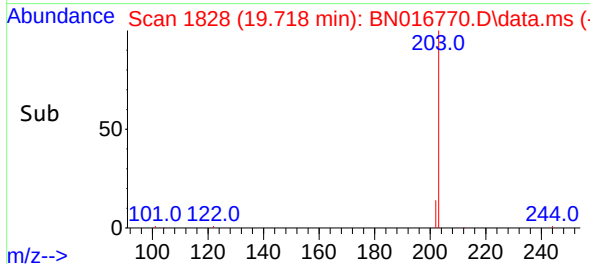
Instrument :
BNA_N
ClientSampleId :
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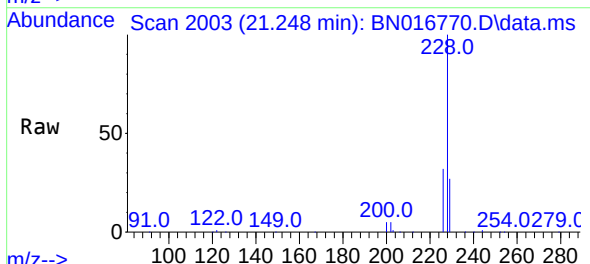
Tgt Ion:244 Resp: 9407
Ion Ratio Lower Upper
244 100
212 43.9 5.8 8.6#
122 143.0 8.9 13.3#

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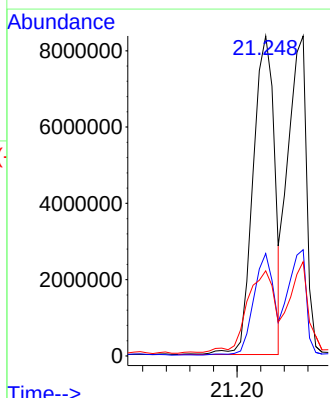
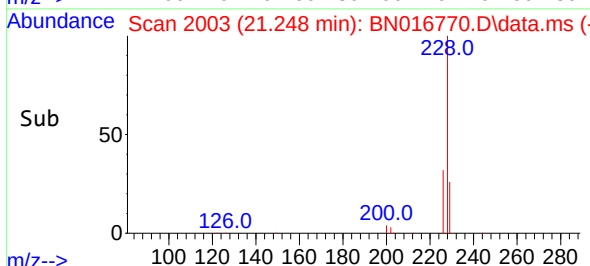
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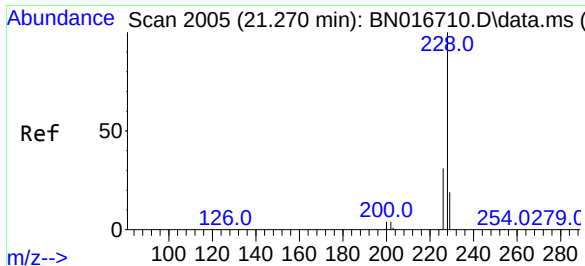


#32
Benzo(a)anthracene
Concen: 69.77 ng
RT: 21.248 min Scan# 2003
Delta R.T. 0.032 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



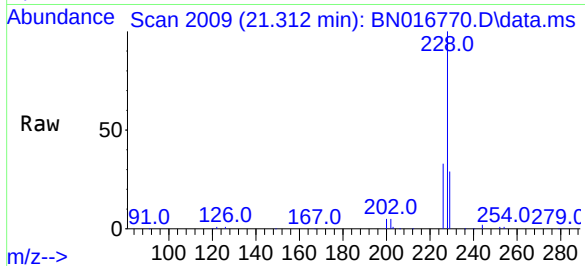
Tgt Ion:228 Resp:21120196
Ion Ratio Lower Upper
228 100
226 32.0 22.3 33.5
229 26.6 15.4 23.0#





#33
Chrysene
Concen: 58.44 ng
RT: 21.312 min Scan# 2009
Delta R.T. 0.042 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

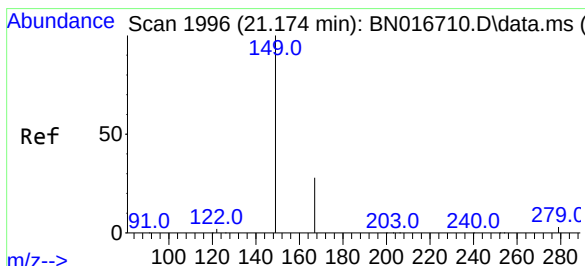
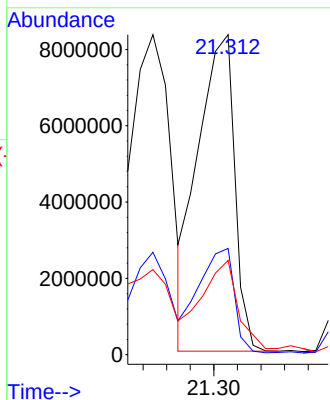
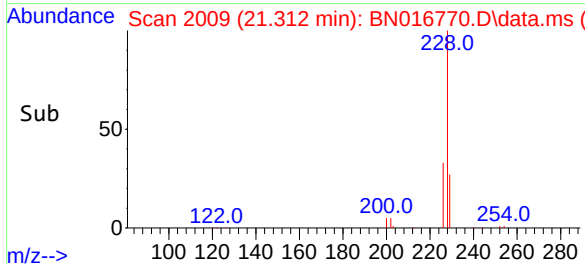
Instrument :
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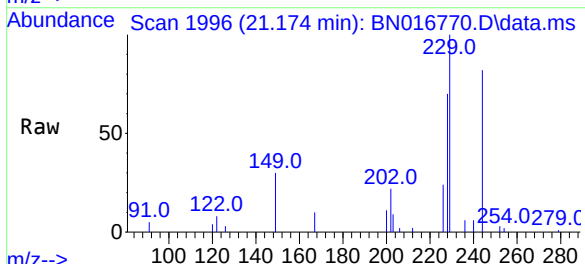
Tgt Ion:228 Resp:17945541
Ion Ratio Lower Upper
228 100
226 33.2 24.2 36.4
229 29.4 15.4 23.0#

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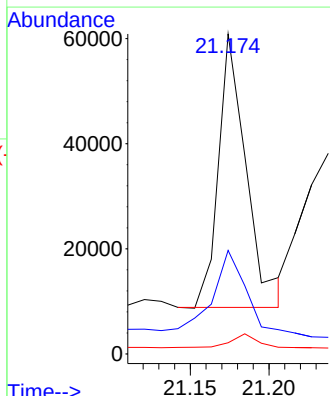
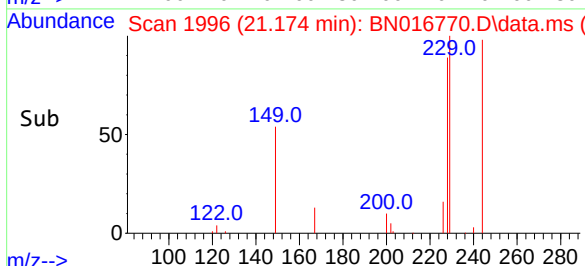
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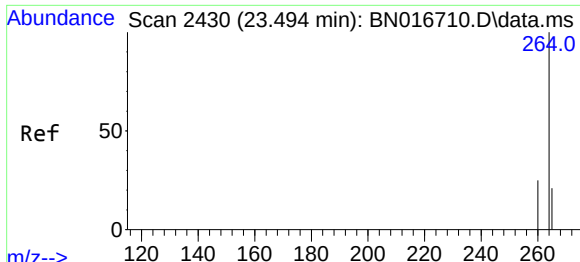


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.35 ng
RT: 21.174 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

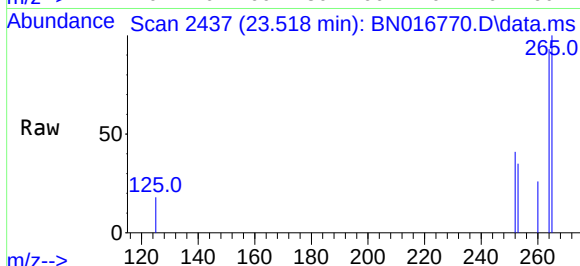


Tgt Ion:149 Resp: 63926
Ion Ratio Lower Upper
149 100
167 42.2 22.2 33.4#
279 7.9 3.4 5.2#

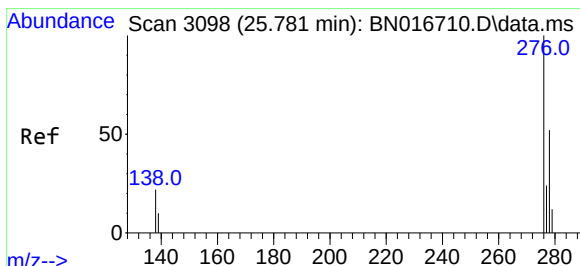
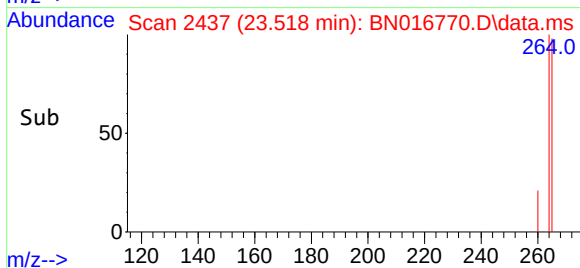
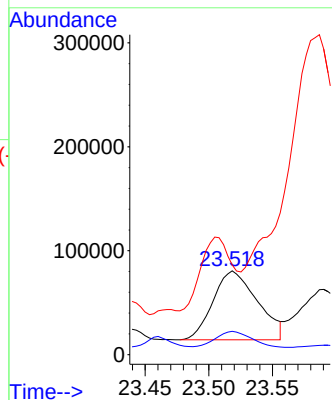




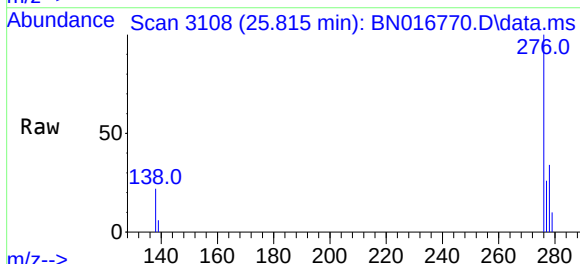
#35
Perylene-d12
Concen: 0.40 ng
RT: 23.518 min Scan# 2437
Delta R.T. 0.024 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



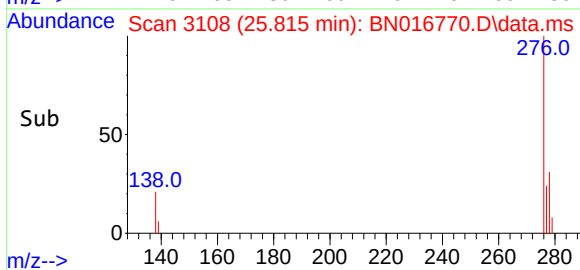
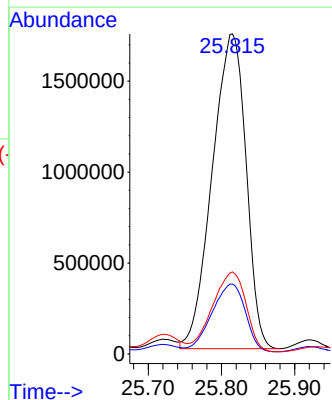
Tgt Ion:264 Resp: 160749
Ion Ratio Lower Upper
264 100
260 27.8 19.8 29.6
265 107.0 20.3 30.5#



#36
Indeno(1,2,3-cd)pyrene
Concen: 10.87 ng
RT: 25.815 min Scan# 3108
Delta R.T. 0.034 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



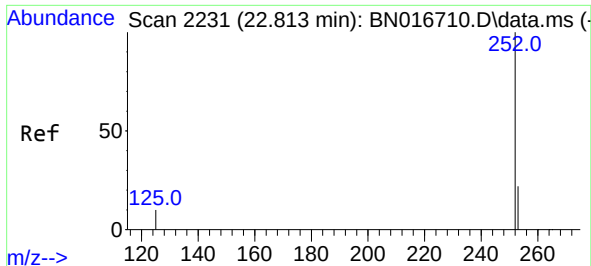
Tgt Ion:276 Resp: 5547769
Ion Ratio Lower Upper
276 100
138 21.5 19.2 28.8
277 25.3 20.0 30.0



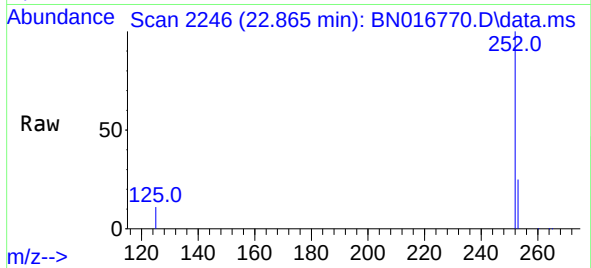
Instrument :
BNA_N
ClientSampleId :
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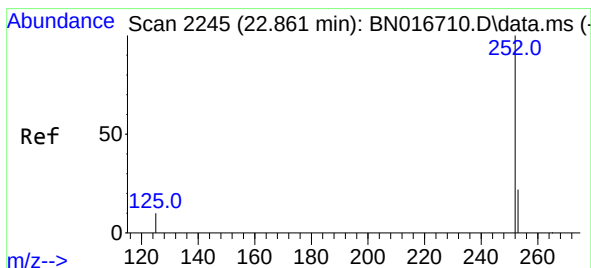
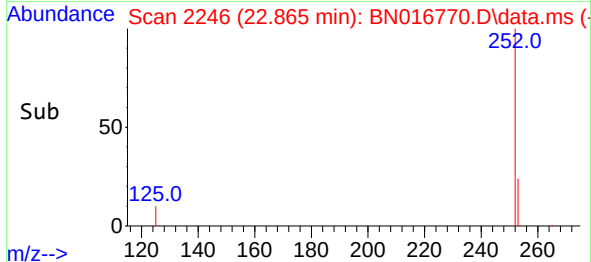
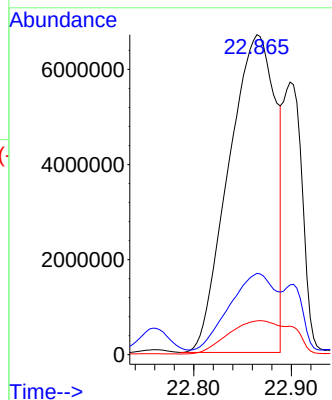
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#37
Benzo(b)fluoranthene
Concen: 42.93 ng
RT: 22.865 min Scan# 2246
Delta R.T. 0.051 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

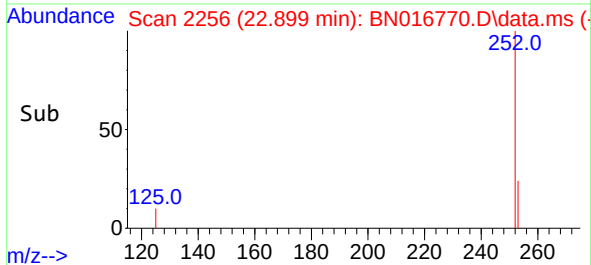
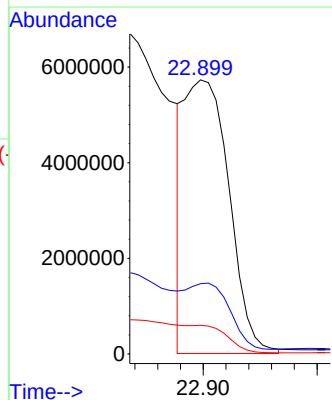
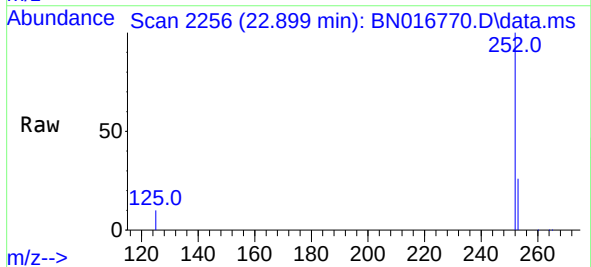


Tgt Ion:252 Resp:22312653
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.8
125 10.6 8.3 12.5



#38
Benzo(k)fluoranthene
Concen: 15.65 ng m
RT: 22.899 min Scan# 2256
Delta R.T. 0.038 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

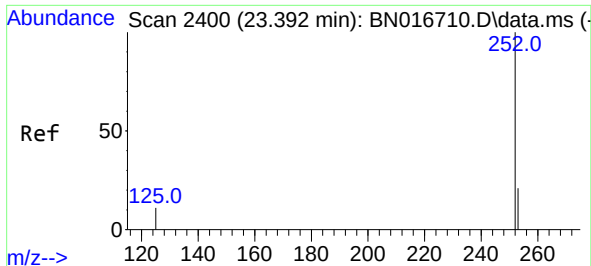
Tgt Ion:252 Resp: 7817046
Ion Ratio Lower Upper
252 100
253 25.6 17.8 26.8
125 10.4 8.5 12.7



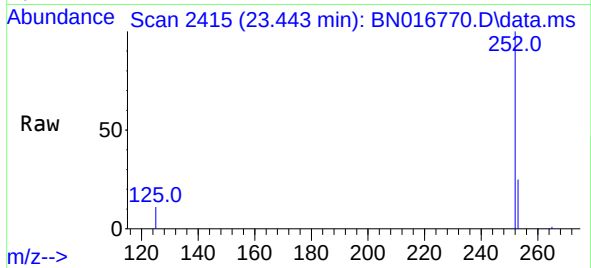
Instrument :
BNA_N
ClientSampleId :
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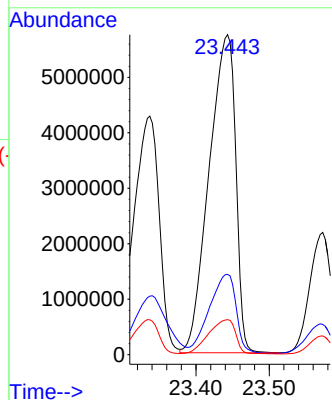
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#39
Benzo(a)pyrene
Concen: 31.16 ng
RT: 23.443 min Scan# 2415
Delta R.T. 0.051 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



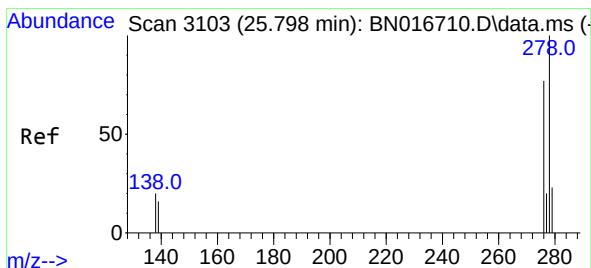
Tgt Ion:252 Resp:14491393
Ion Ratio Lower Upper
252 100
253 25.1 17.9 26.9
125 11.0 9.4 14.2



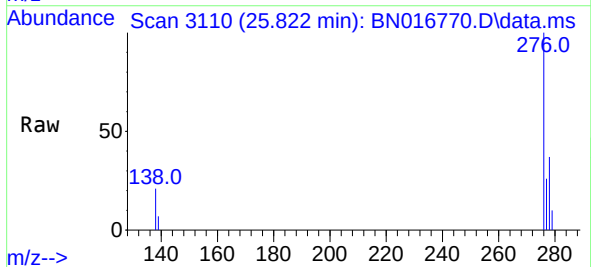
Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-1-1.5-092221

Manual Integrations
APPROVED

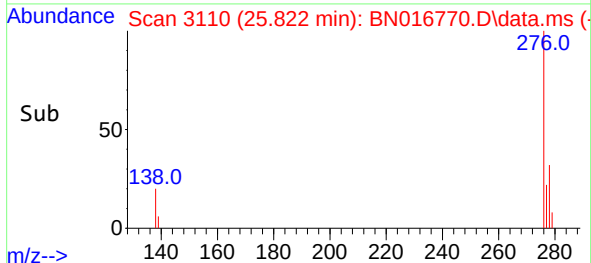
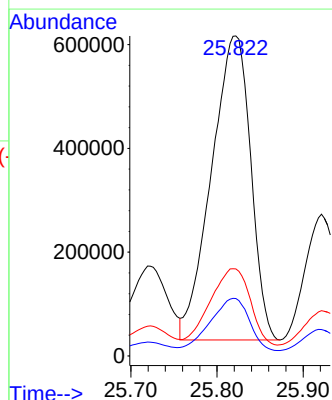
mohammad
10/7/2021 8:32:08 AM

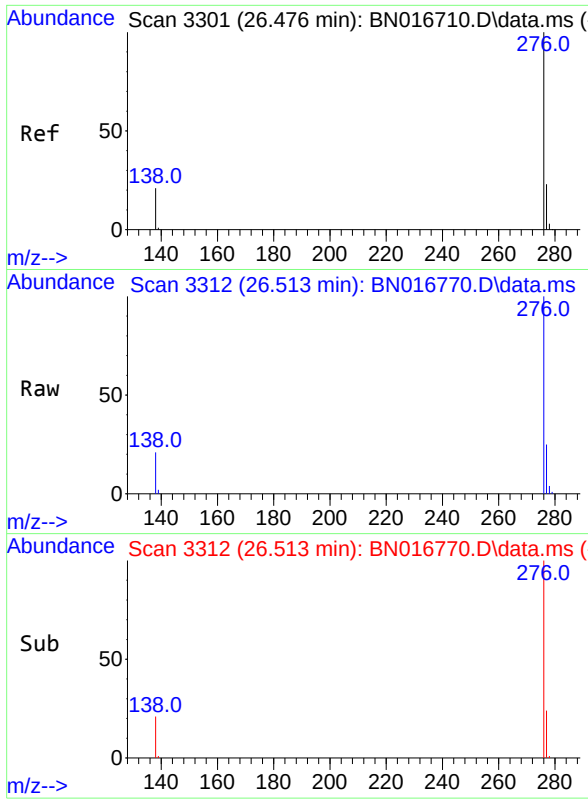


#40
Dibenzo(a,h)anthracene
Concen: 4.59 ng
RT: 25.822 min Scan# 3110
Delta R.T. 0.024 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42



Tgt Ion:278 Resp: 1856778
Ion Ratio Lower Upper
278 100
139 17.9 13.1 19.7
279 27.2 19.3 28.9

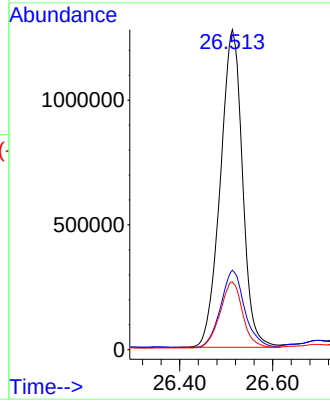




#41
Benzo(g,h,i)perylene
Concen: 9.29 ng
RT: 26.513 min Scan# 3312
Delta R.T. 0.038 min
Lab File: BN016770.D
Acq: 06 Oct 2021 08:42

Tgt Ion: 276 Resp: 4209284

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	21.2	17.0	25.6



Instrument :
BNA_N
ClientSampleId :
S-832-J-SO-1-1.5-092221

Manual Integrations
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mohammad
10/7/2021 8:32:08 AM