

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092921\
 Data File : BN016573.D
 Acq On : 29 Sep 2021 11:18
 Operator : CG/JU
 Sample : M3945-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-815-N-SO-1-1.5-092421

Manual Integrations
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Quant Time: Sep 29 12:25:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 29 10:56:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.652	152	30554	0.400	ng	0.00
7) Naphthalene-d8	10.419	136	141367	0.400	ng	# 0.00
13) Acenaphthene-d10	14.281	164	77717	0.400	ng	# 0.00
19) Phenanthrene-d10	17.030	188	166355	0.400	ng	# 0.00
29) Chrysene-d12	21.259	240	218496	0.400	ng	# 0.01
35) Perylene-d12	23.529	264	196615	0.400	ng	# 0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	14697	0.193	ng	0.00
5) Phenol-d6	6.840	99	14137	0.185	ng	0.00
8) Nitrobenzene-d5	8.797	82	11912	0.159	ng	0.00
11) 2-Methylnaphthalene-d10	12.016	152	38580	0.192	ng	0.00
14) 2,4,6-Tribromophenol	15.779	330	6713	0.198	ng	0.00
15) 2-Fluorobiphenyl	12.898	172	49948	0.156	ng	0.00
27) Fluoranthene-d10	19.083	212	77368	0.172	ng	0.00
31) Terphenyl-d14	19.693	244	65896	0.140	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.470	128	48252	0.127	ng	99
12) 2-Methylnaphthalene	12.092	142	24064	0.101	ng	99
16) Acenaphthylene	14.002	152	153944	0.447	ng	99
17) Acenaphthene	14.345	154	149310	0.638	ng	# 93
18) Fluorene	15.334	166	182663	0.640	ng	98
24) Pentachlorophenol	16.689	266	16942	0.500	ng	99
25) Phenanthrene	17.078	178	3521366	7.036	ng	99
26) Anthracene	17.164	178	1134762	2.610	ng	# 96
28) Fluoranthene	19.113	202	7162639	13.093	ng	# 95
30) Pyrene	19.475	202	6261694	8.405	ng	# 92
32) Benzo(a)anthracene	21.238	228	4586260	6.772	ng	# 86
33) Chrysene	21.291	228	6834047	9.894	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.185	149	1068031	5.296	ng	100
36) Indeno(1,2,3-cd)pyrene	25.826	276	1640929	2.617	ng	99
37) Benzo(b)fluoranthene	22.851	252	6310582	9.613	ng	# 95
38) Benzo(k)fluoranthene	22.892	252	2130609m	3.331	ng	
39) Benzo(a)pyrene	23.433	252	3533430	5.868	ng	# 93
40) Dibenzo(a,h)anthracene	25.829	278	596131	1.368	ng	# 71
41) Benzo(g,h,i)perylene	26.531	276	1610679	2.825	ng	# 94

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

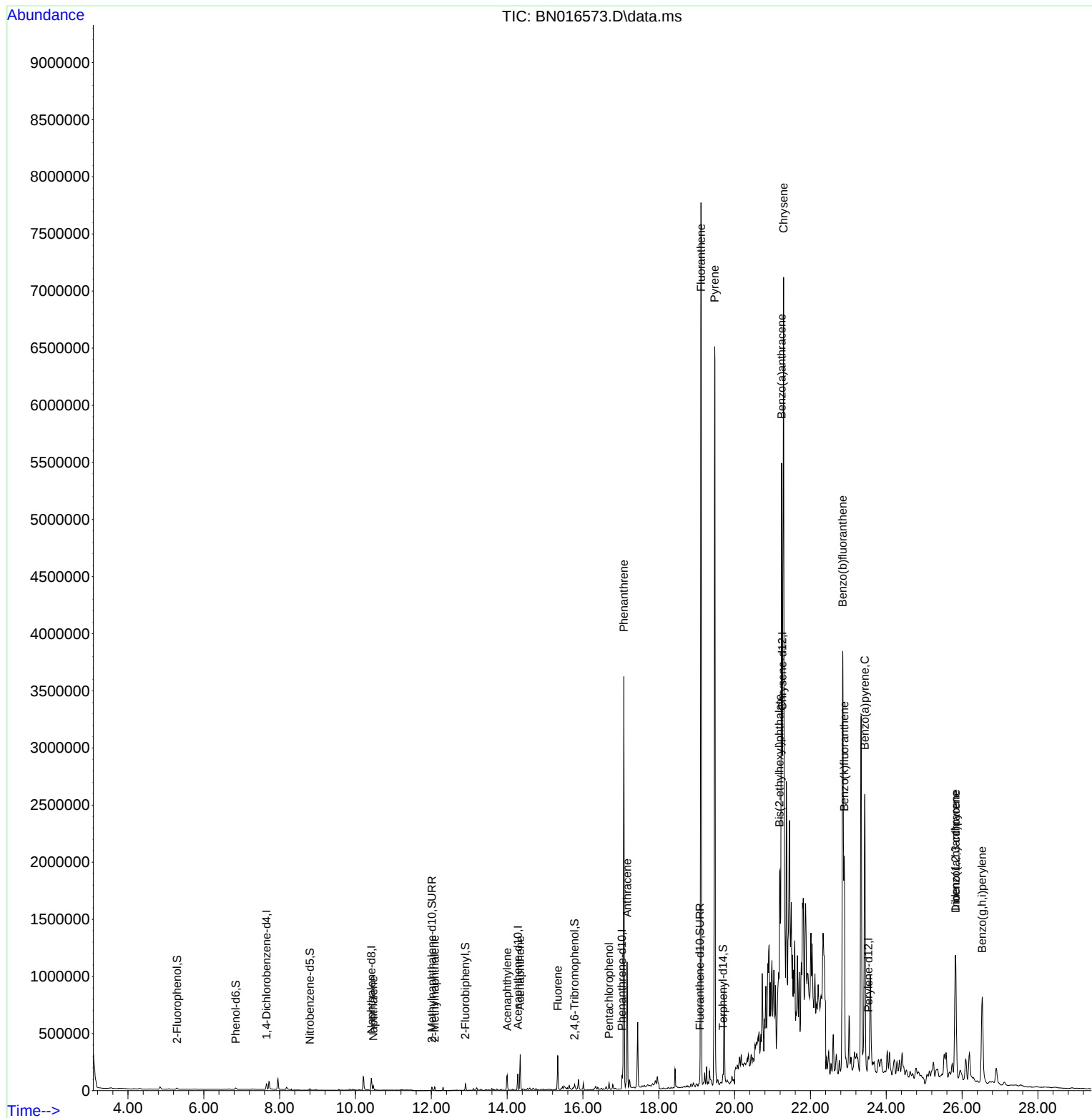
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092921\
Data File : BN016573.D
Acq On : 29 Sep 2021 11:18
Operator : CG/JU
Sample : M3945-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

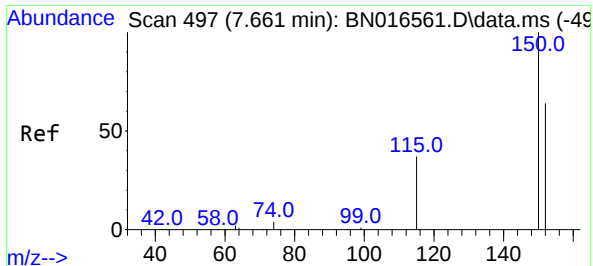
Instrument :
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ClientSampleId :
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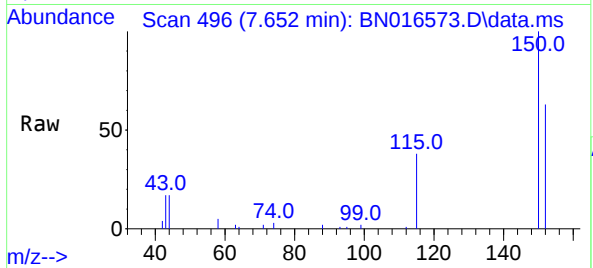
Quant Time: Sep 29 12:25:43 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN092821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 29 10:56:17 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.652 min Scan# 496
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

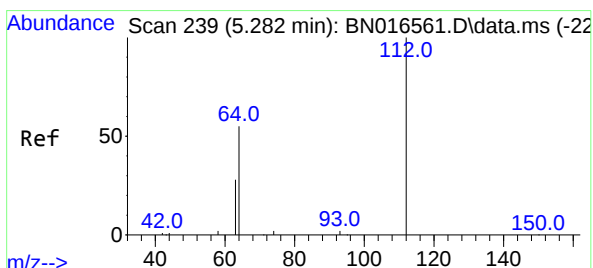
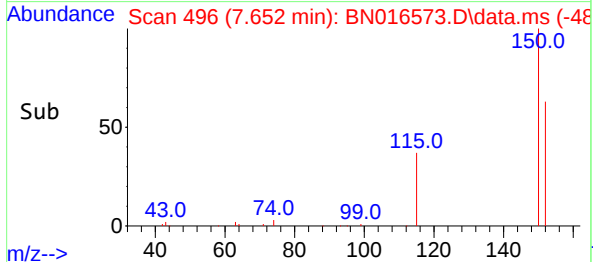
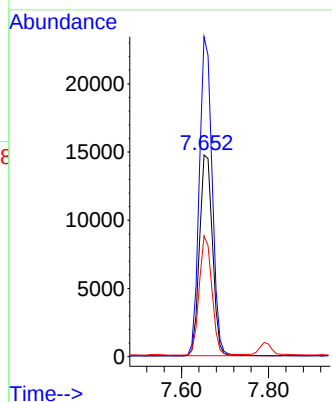
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421



Tgt Ion:152 Resp: 30554
Ion Ratio Lower Upper
152 100
150 158.7 125.1 187.7
115 59.9 45.8 68.8

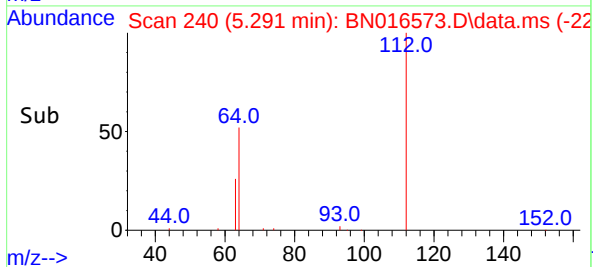
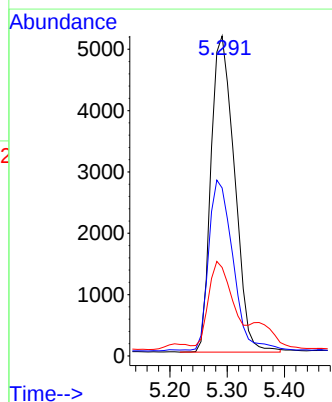
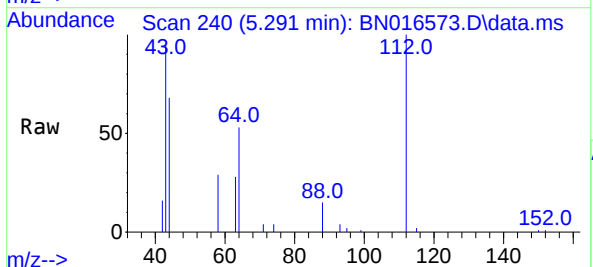
Manual Integrations
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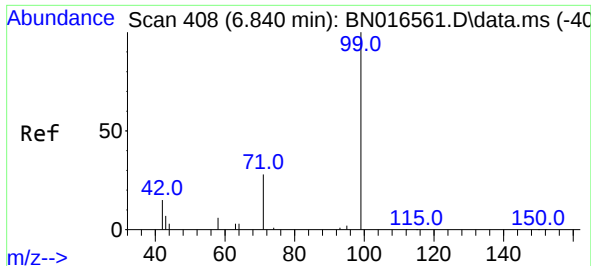
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#4
2-Fluorophenol
Concen: 0.193 ng
RT: 5.291 min Scan# 240
Delta R.T. 0.009 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

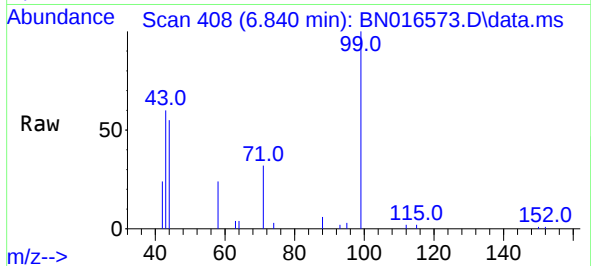
Tgt Ion:112 Resp: 14697
Ion Ratio Lower Upper
112 100
64 55.1 48.4 72.6
63 27.6 25.4 38.2





#5
Phenol-d6
Concen: 0.185 ng
RT: 6.840 min Scan# 408
Delta R.T. 0.009 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

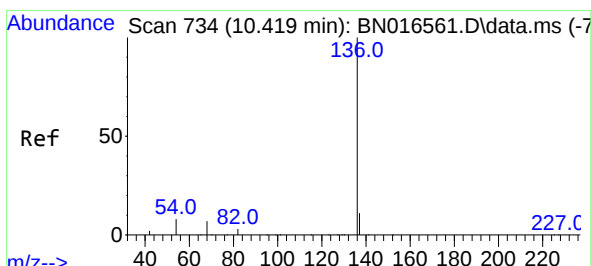
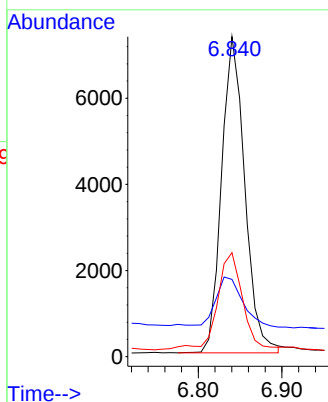
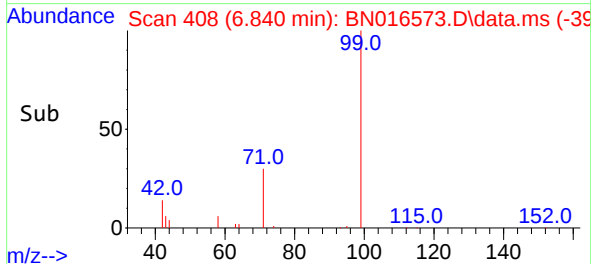
Instrument :
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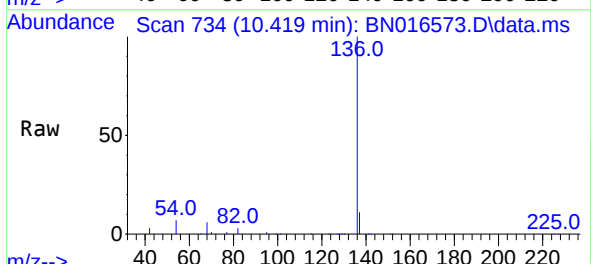
Tgt Ion: 99 Resp: 14137
Ion Ratio Lower Upper
99 100
42 18.3 19.6 29.4#
71 33.3 24.2 36.2

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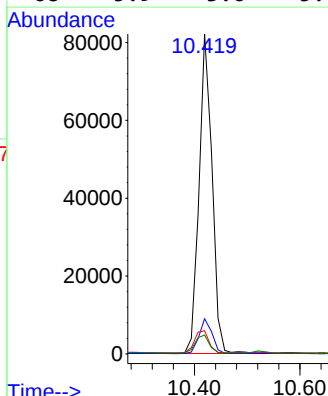
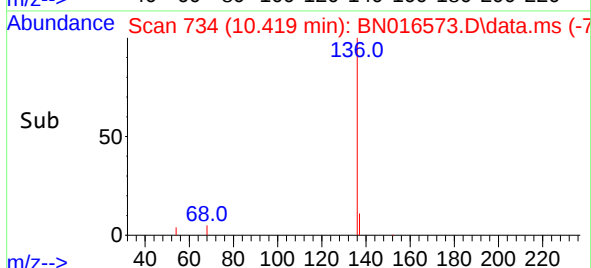
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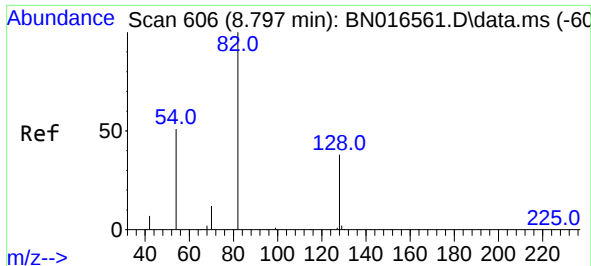


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.419 min Scan# 734
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



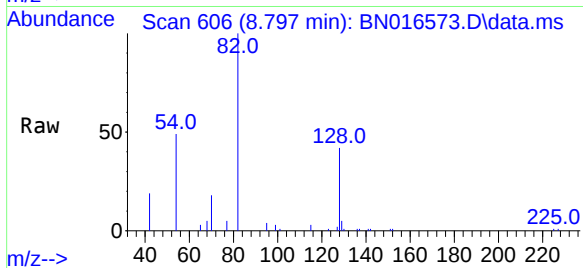
Tgt Ion: 136 Resp: 141367
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.2 5.8 8.6
68 5.9 3.6 5.4#





#8
Nitrobenzene-d5
Concen: 0.159 ng
RT: 8.797 min Scan# 606
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

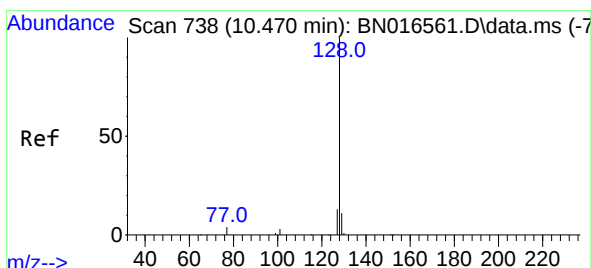
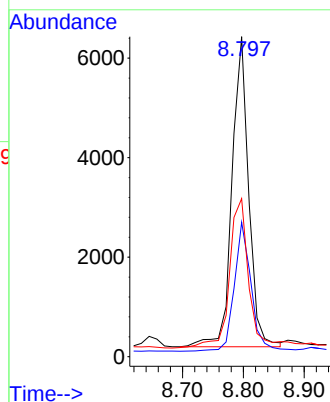
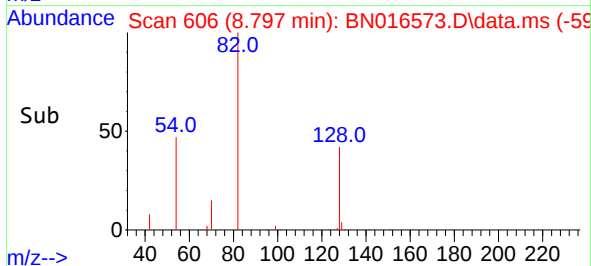
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421



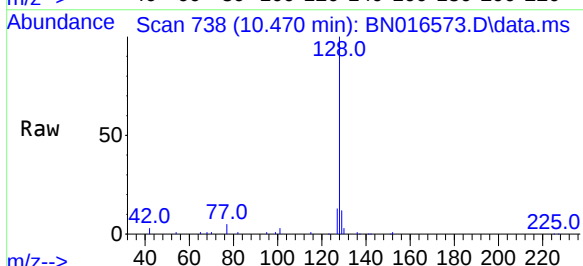
Tgt Ion: 82 Resp: 11912
Ion Ratio Lower Upper
82 100
128 42.0 27.4 41.2#
54 49.4 58.5 87.7#

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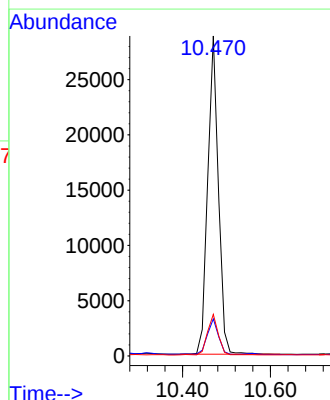
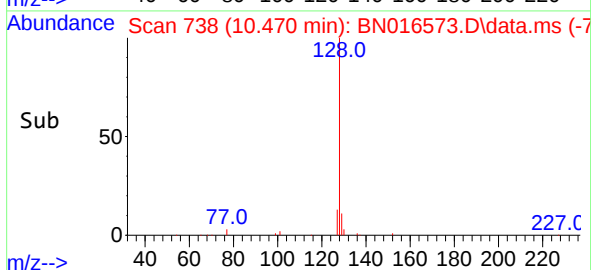
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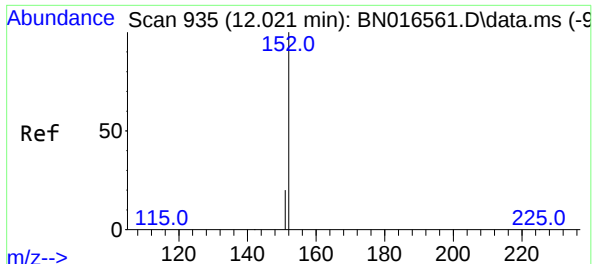


#9
Naphthalene
Concen: 0.127 ng
RT: 10.470 min Scan# 738
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



Tgt Ion: 128 Resp: 48252
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.0 10.1 15.1





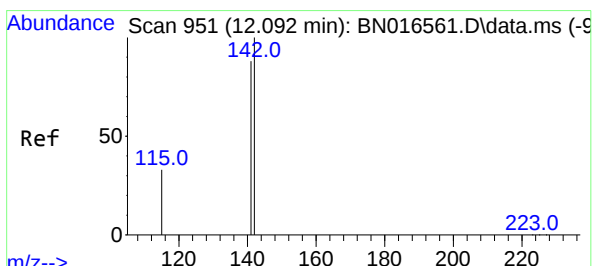
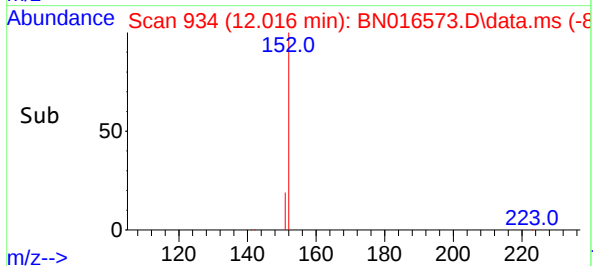
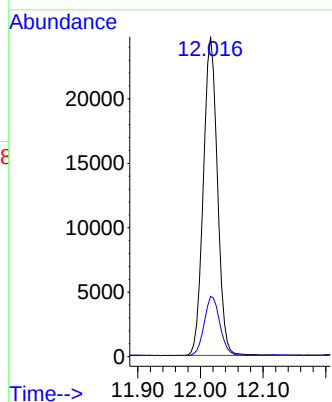
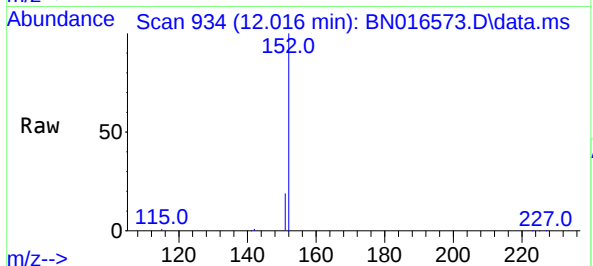
#11
2-Methylnaphthalene-d10
Concen: 0.192 ng
RT: 12.016 min Scan# 934
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

Tgt Ion:152 Resp: 38580
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421

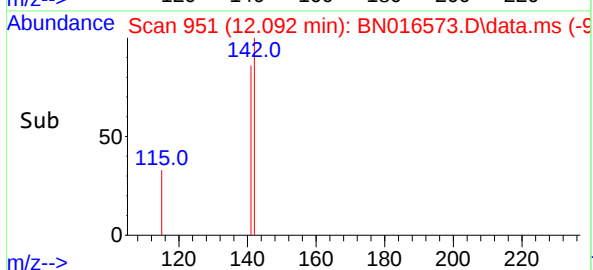
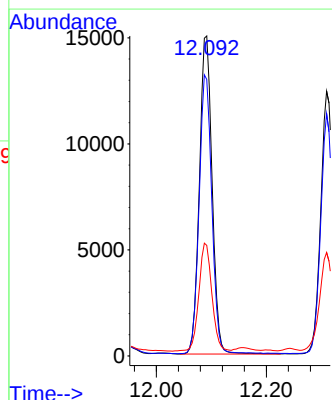
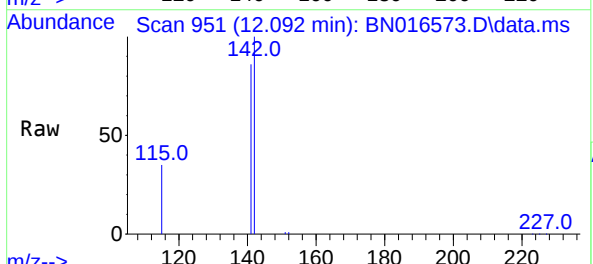
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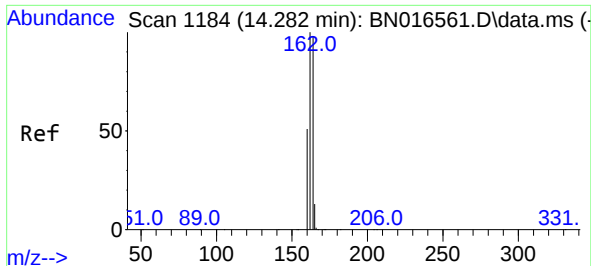
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#12
2-Methylnaphthalene
Concen: 0.101 ng
RT: 12.092 min Scan# 951
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

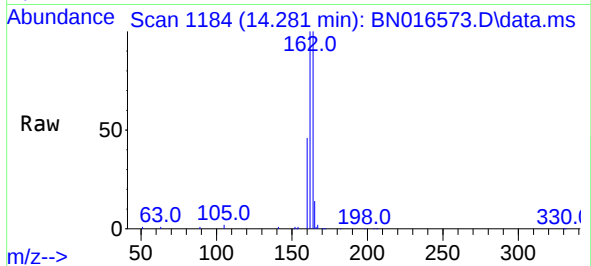
Tgt Ion:142 Resp: 24064
Ion Ratio Lower Upper
142 100
141 86.4 69.9 104.9
115 34.5 27.0 40.4





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.281 min Scan# 1184
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

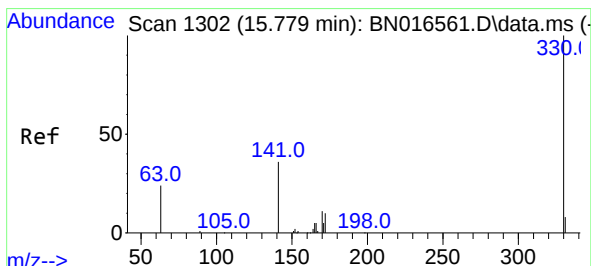
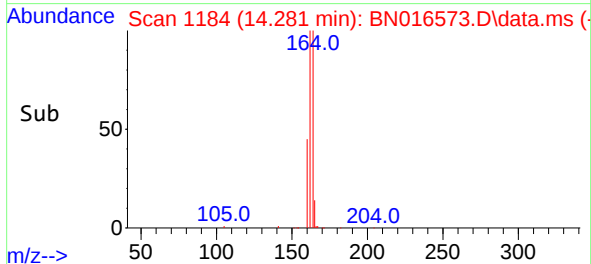
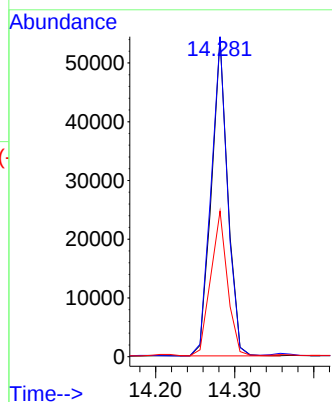
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421



Tgt Ion:164 Resp: 77717
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.0
160 45.6 46.6 70.0#

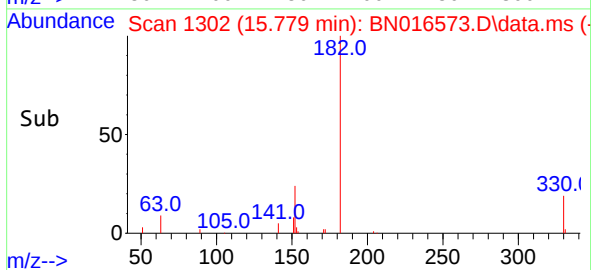
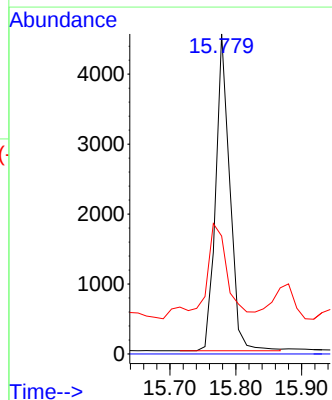
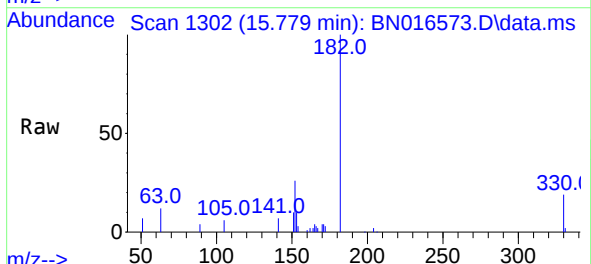
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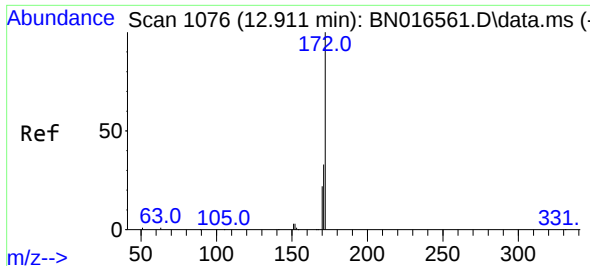
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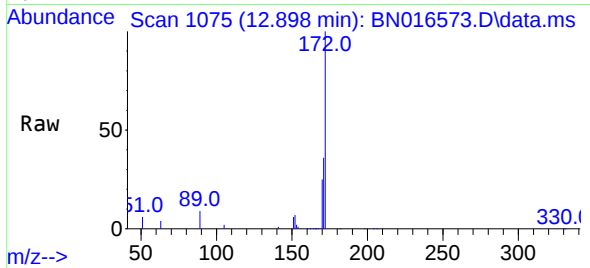
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2,4,6-Tribromophenol
Concen: 0.198 ng
RT: 15.779 min Scan# 1302
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

Tgt Ion:330 Resp: 6713
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 35.2 34.4 51.6

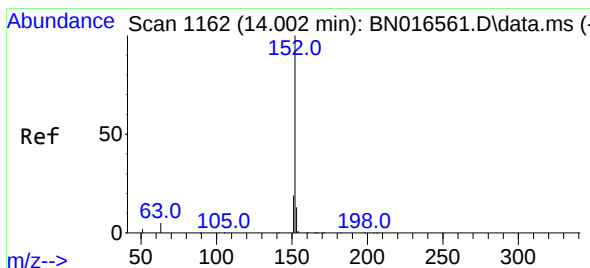
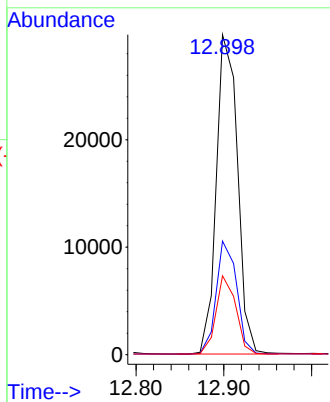
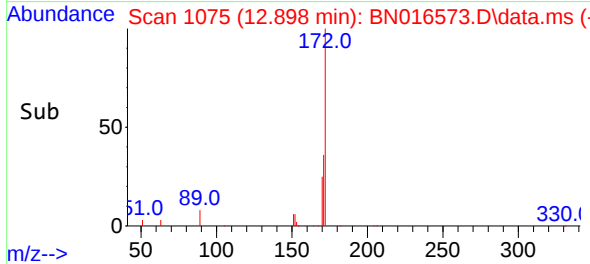




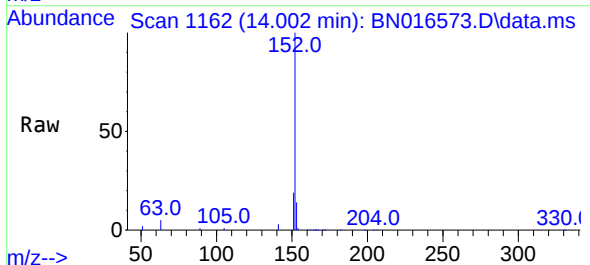
#15
2-Fluorobiphenyl
Concen: 0.156 ng
RT: 12.898 min Scan# 1075
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



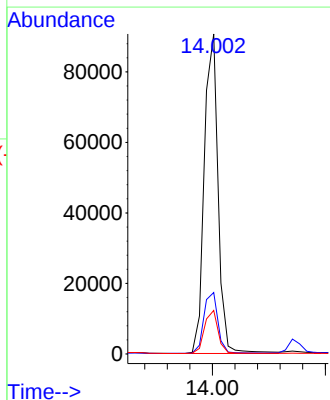
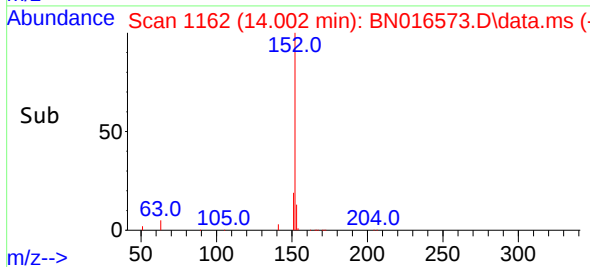
Tgt Ion:172 Resp: 49948
Ion Ratio Lower Upper
172 100
171 35.5 27.4 41.2
170 24.7 18.9 28.3



#16
Acenaphthylene
Concen: 0.447 ng
RT: 14.002 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



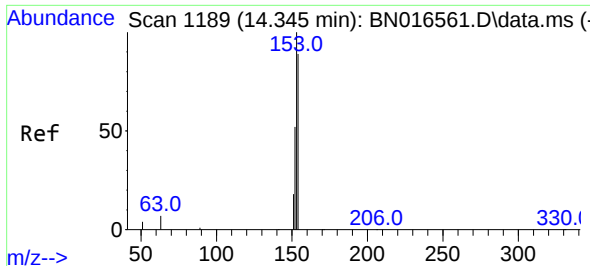
Tgt Ion:152 Resp: 153944
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.0
153 13.6 10.4 15.6



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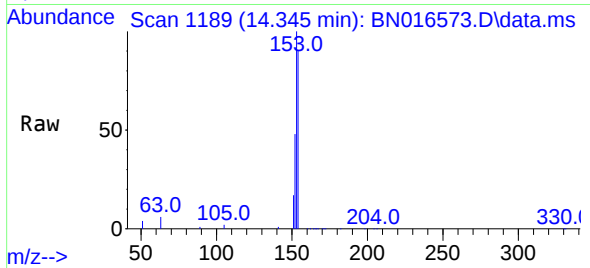
Manual Integrations
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#17
Acenaphthene
Concen: 0.638 ng
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Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

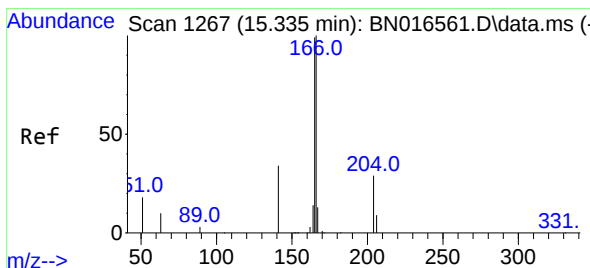
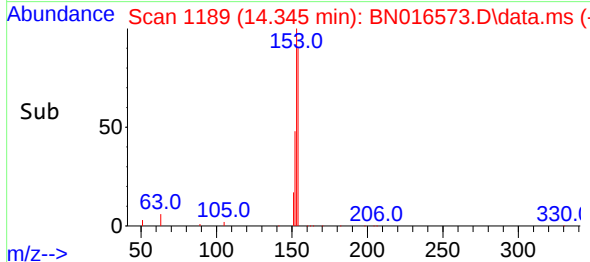
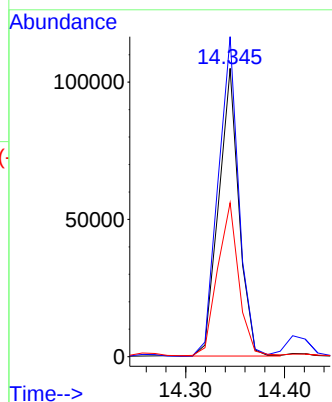
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421



Tgt Ion:154 Resp: 149310
Ion Ratio Lower Upper
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153 112.6 91.0 136.4
152 55.3 55.8 83.6#

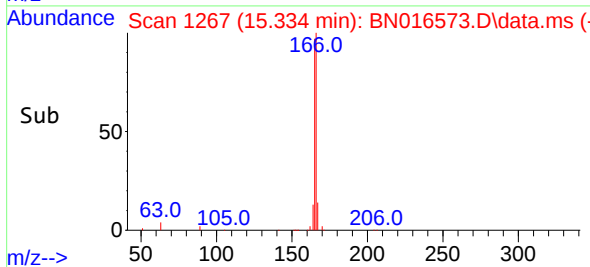
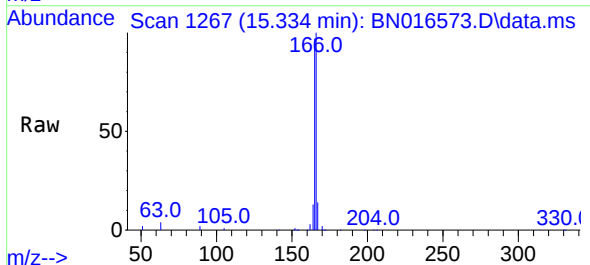
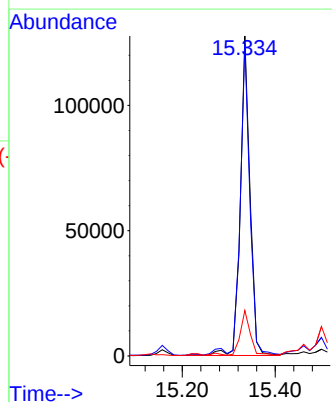
Manual Integrations
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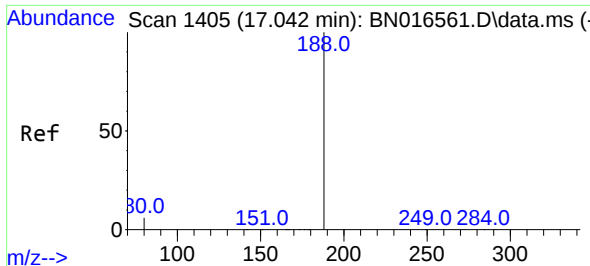
mohammad
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#18
Fluorene
Concen: 0.640 ng
RT: 15.334 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

Tgt Ion:166 Resp: 182663
Ion Ratio Lower Upper
166 100
165 98.8 77.6 116.4
167 14.5 10.7 16.1





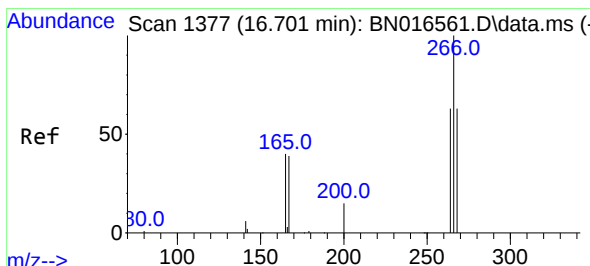
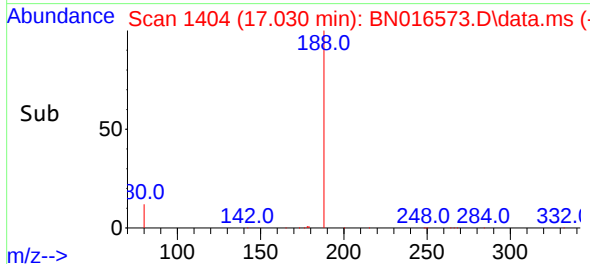
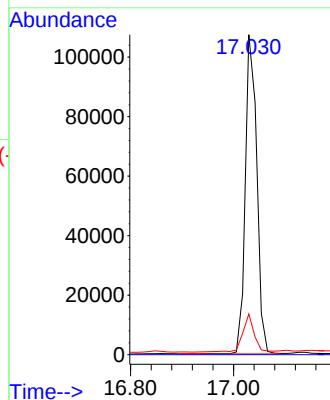
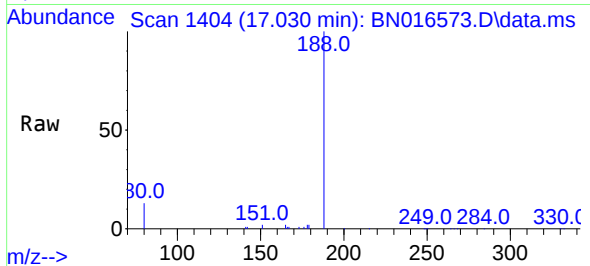
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.030 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

Tgt Ion:188 Resp: 166355
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.7 6.9 10.3#

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421

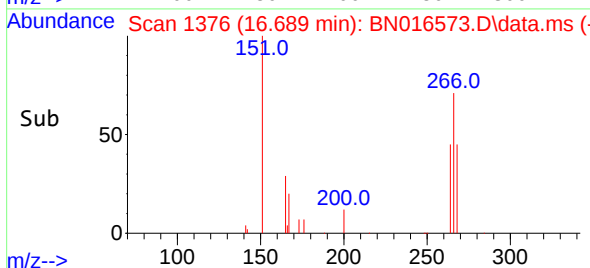
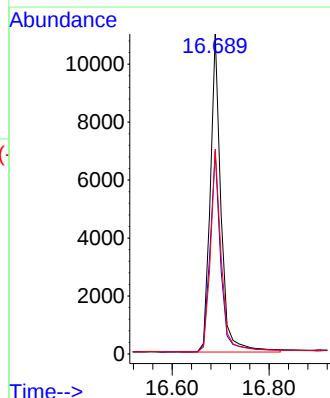
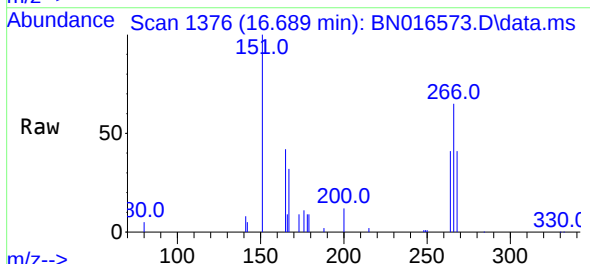
Manual Integrations
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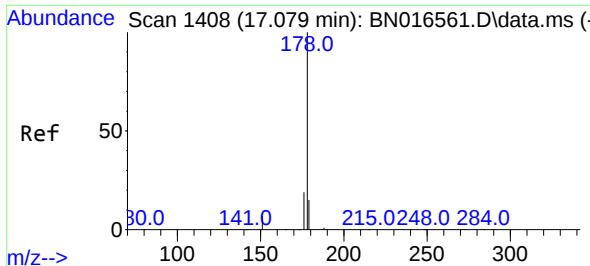
mohammad
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#24
Pentachlorophenol
Concen: 0.500 ng
RT: 16.689 min Scan# 1376
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

Tgt Ion:266 Resp: 16942
Ion Ratio Lower Upper
266 100
264 64.0 50.2 75.2
268 64.3 51.8 77.8





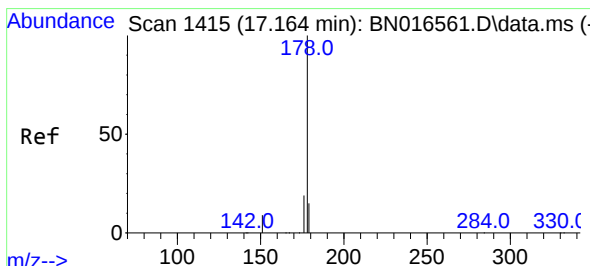
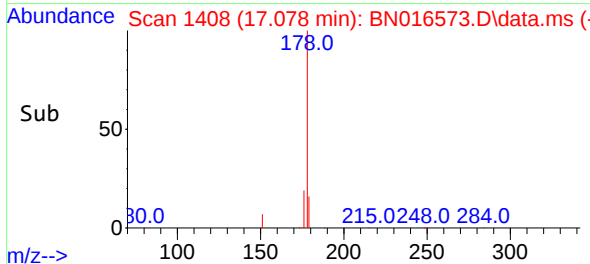
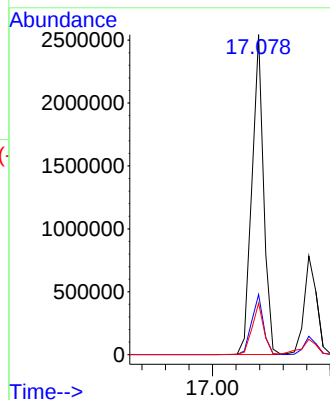
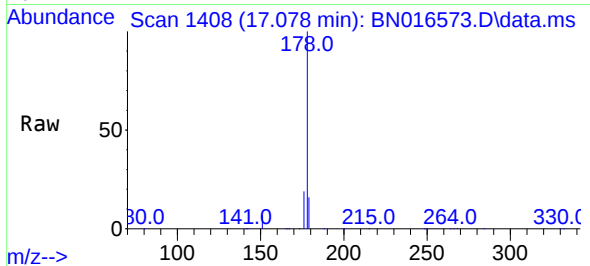
#25
Phenanthrene
Concen: 7.036 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

Tgt Ion:178 Resp: 3521366
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 16.0 12.3 18.5

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421

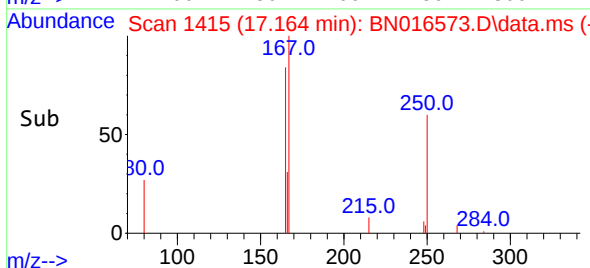
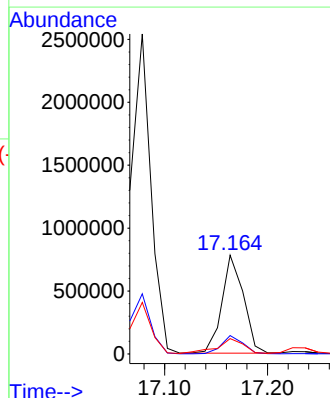
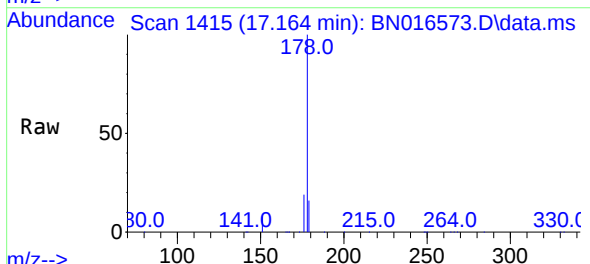
Manual Integrations
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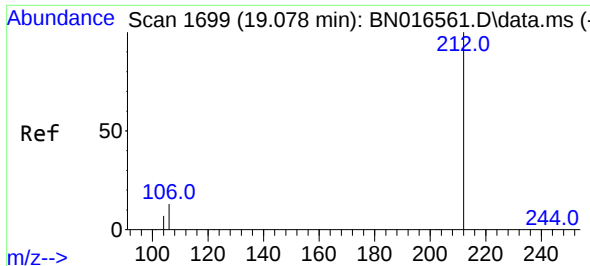
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#26
Anthracene
Concen: 2.610 ng
RT: 17.164 min Scan# 1415
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

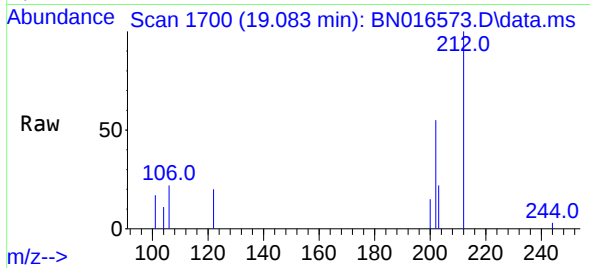
Tgt Ion:178 Resp: 1134762
Ion Ratio Lower Upper
178 100
176 18.2 14.6 21.8
179 18.5 12.2 18.4#





#27
Fluoranthene-d10
Concen: 0.172 ng
RT: 19.083 min Scan# 1700
Delta R.T. 0.005 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

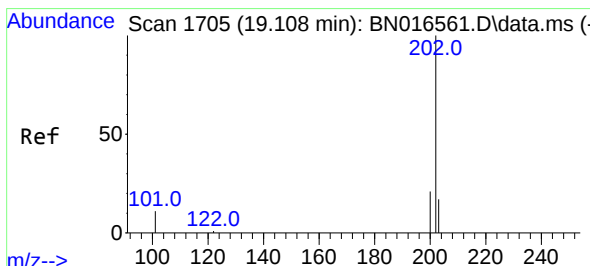
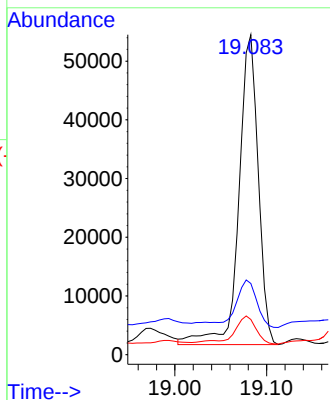
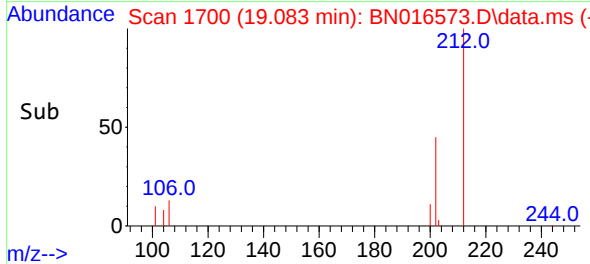
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421



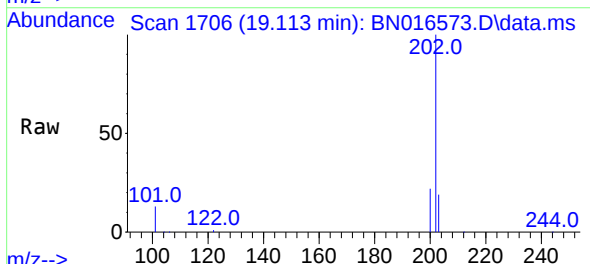
Tgt Ion:212 Resp: 77368
Ion Ratio Lower Upper
212 100
106 15.9 8.8 13.2#
104 10.4 5.0 7.4#

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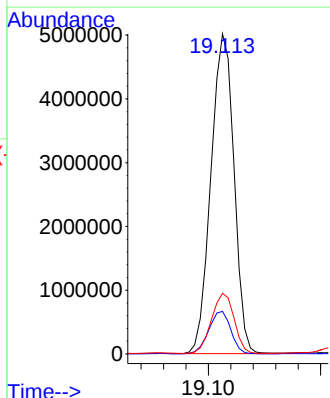
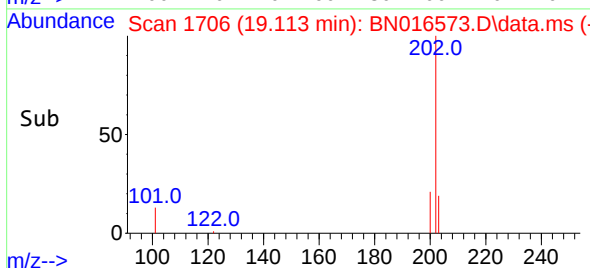
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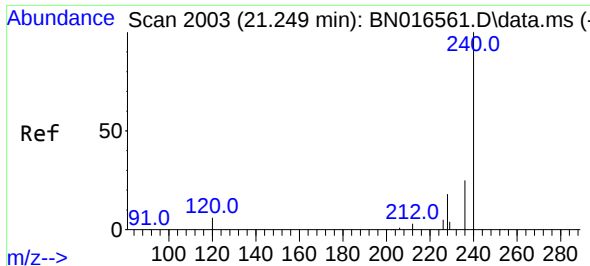


#28
Fluoranthene
Concen: 13.093 ng
RT: 19.113 min Scan# 1706
Delta R.T. 0.005 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

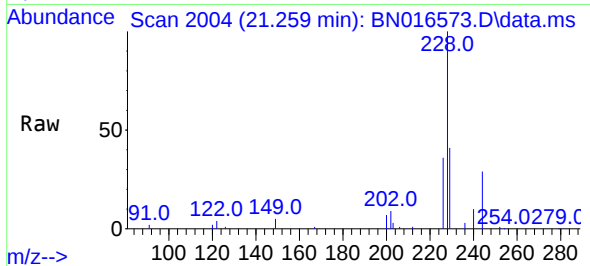


Tgt Ion:202 Resp: 7162639
Ion Ratio Lower Upper
202 100
101 12.7 7.5 11.3#
203 18.4 13.9 20.9

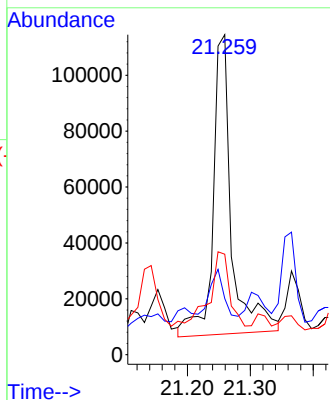
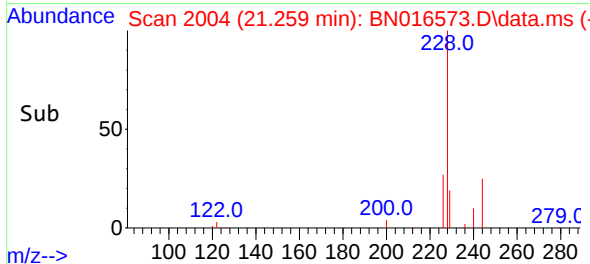




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.259 min Scan# 2004
Delta R.T. 0.011 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



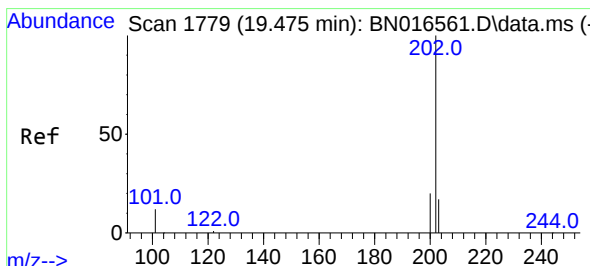
Tgt Ion:240 Resp: 218496
Ion Ratio Lower Upper
240 100
120 17.6 9.0 13.4#
236 31.4 21.7 32.5



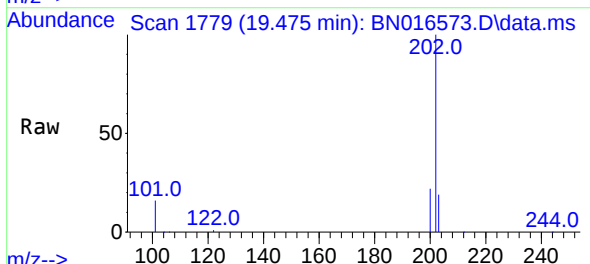
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421

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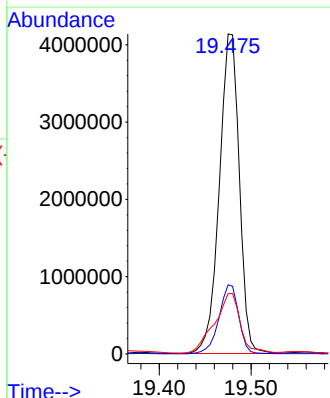
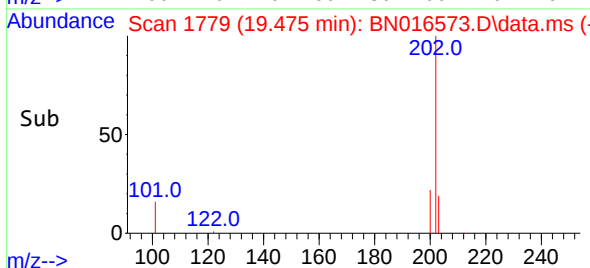
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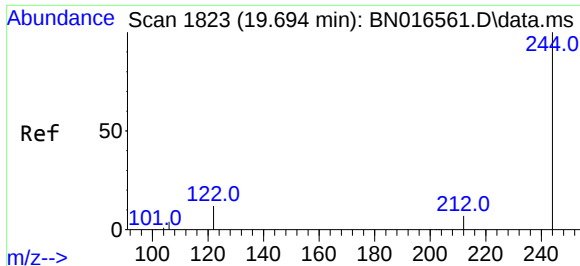


#30
Pyrene
Concen: 8.405 ng
RT: 19.475 min Scan# 1779
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



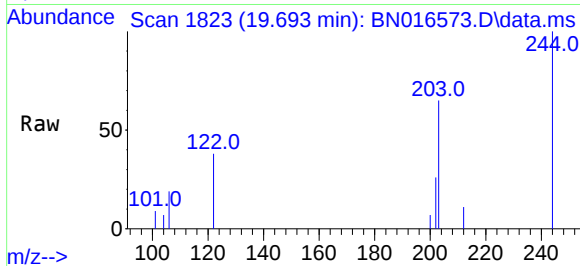
Tgt Ion:202 Resp: 6261694
Ion Ratio Lower Upper
202 100
200 21.3 16.3 24.5
203 23.7 13.9 20.9#





#31
Terphenyl-d14
Concen: 0.140 ng
RT: 19.693 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

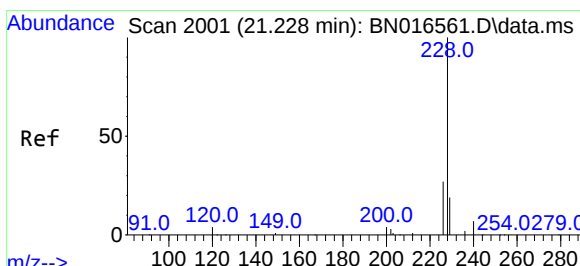
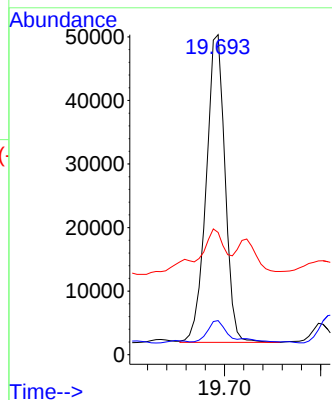
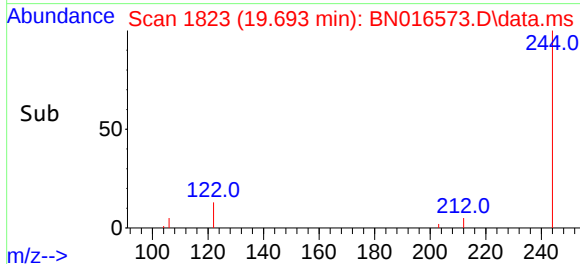
Instrument :
BNA_N
ClientSampleId :
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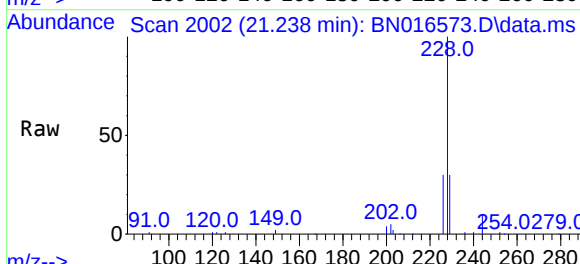
Tgt Ion:244 Resp: 65896
Ion Ratio Lower Upper
244 100
212 10.7 6.1 9.1#
122 38.2 8.4 12.6#

Manual Integrations
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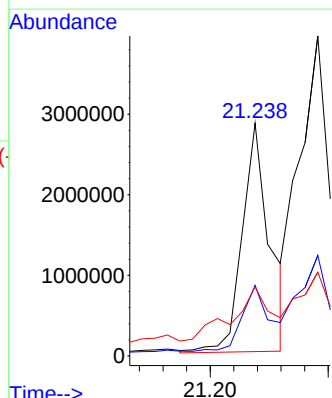
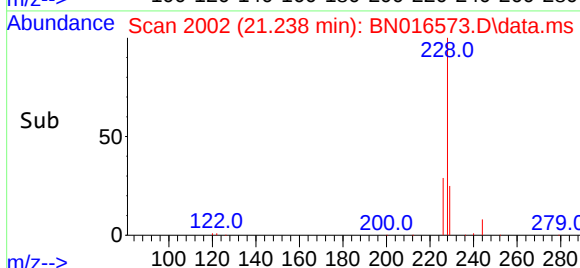
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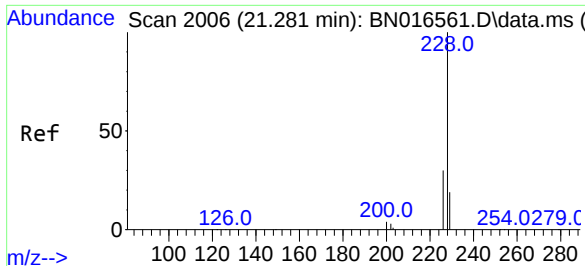


#32
Benzo(a)anthracene
Concen: 6.772 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.011 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



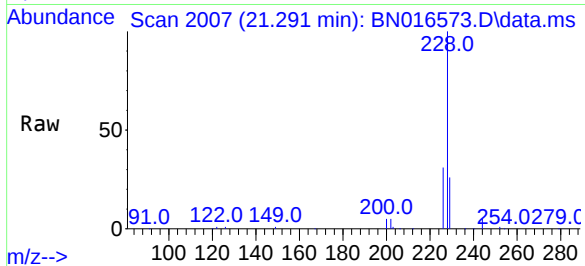
Tgt Ion:228 Resp: 4586260
Ion Ratio Lower Upper
228 100
226 30.3 21.2 31.8
229 29.7 15.6 23.4#





#33
Chrysene
Concen: 9.894 ng
RT: 21.291 min Scan# 2007
Delta R.T. 0.011 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

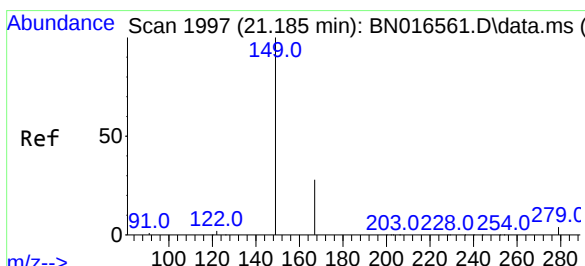
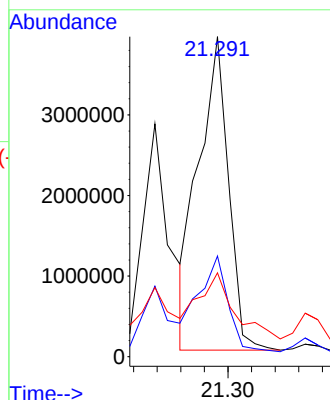
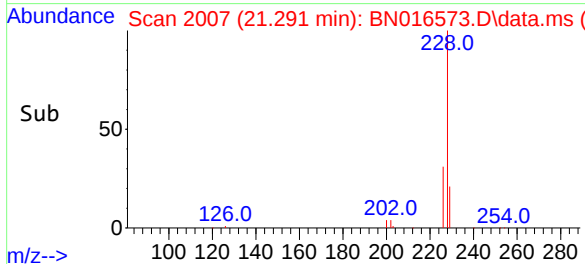
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421



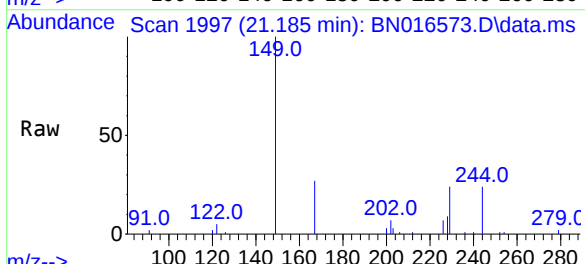
Tgt Ion:228 Resp: 6834047
Ion Ratio Lower Upper
228 100
226 31.5 23.1 34.7
229 26.2 15.8 23.8#

Manual Integrations
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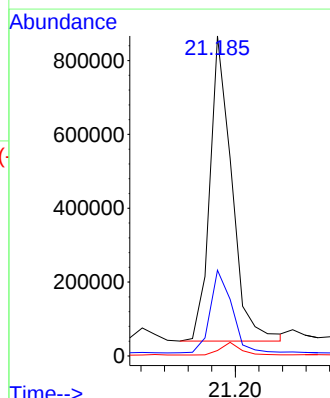
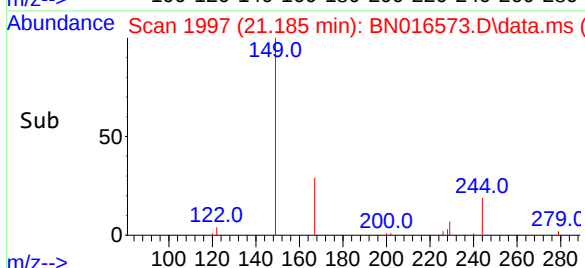
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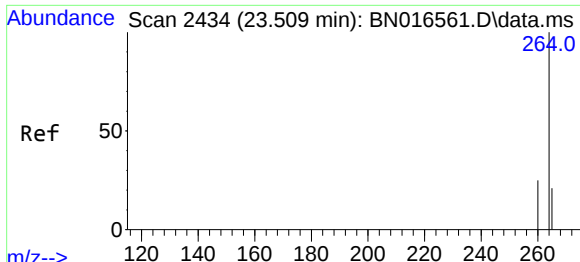


#34
Bis(2-ethylhexyl)phthalate
Concen: 5.296 ng
RT: 21.185 min Scan# 1997
Delta R.T. -0.000 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

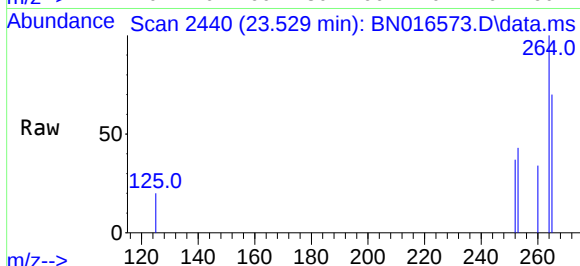


Tgt Ion:149 Resp: 1068031
Ion Ratio Lower Upper
149 100
167 26.6 21.4 32.2
279 3.8 3.1 4.7

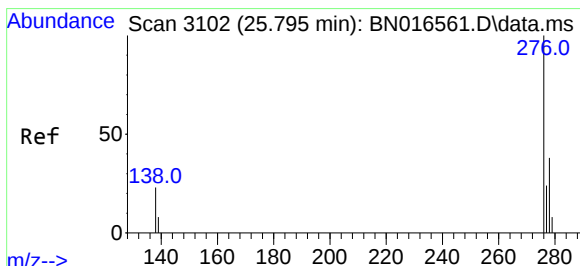
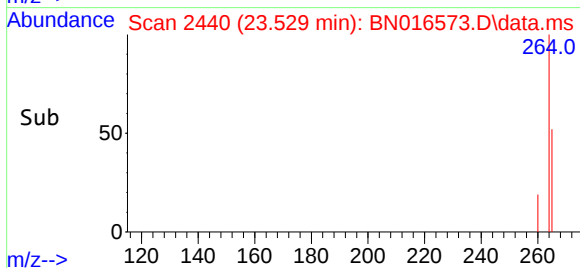
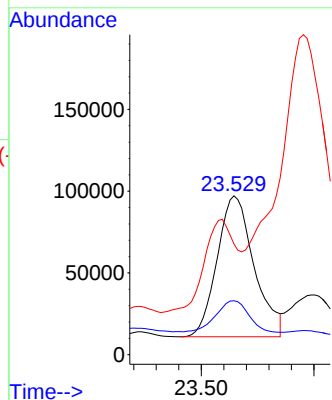




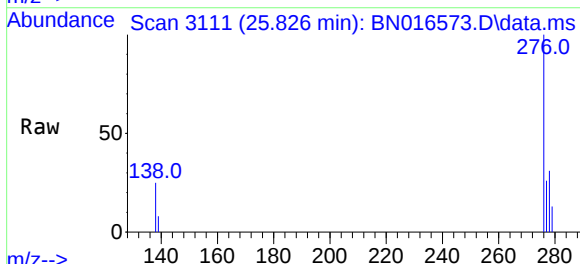
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.529 min Scan# 2440
Delta R.T. 0.020 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



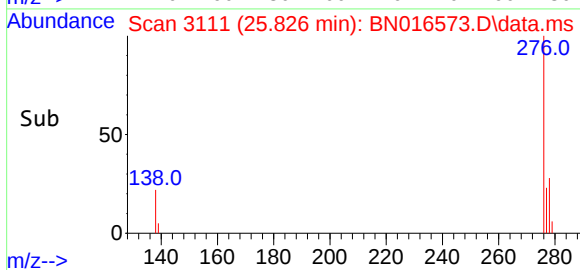
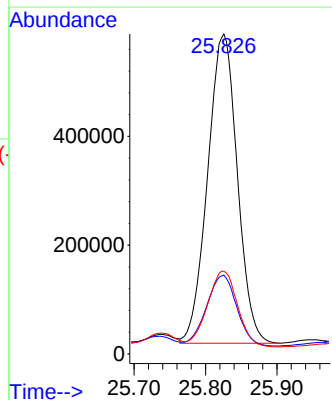
Tgt Ion:264 Resp: 196615
Ion Ratio Lower Upper
264 100
260 33.9 19.9 29.9#
265 69.7 20.7 31.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 2.617 ng
RT: 25.826 min Scan# 3111
Delta R.T. 0.024 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



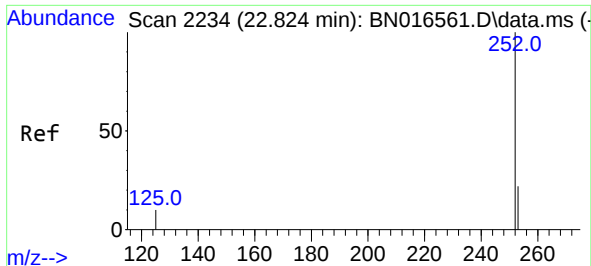
Tgt Ion:276 Resp: 1640929
Ion Ratio Lower Upper
276 100
138 23.5 18.2 27.2
277 25.0 19.8 29.8



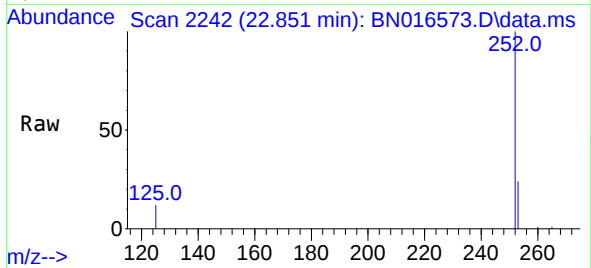
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421

Manual Integrations
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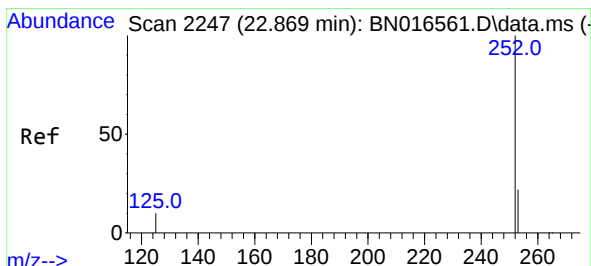
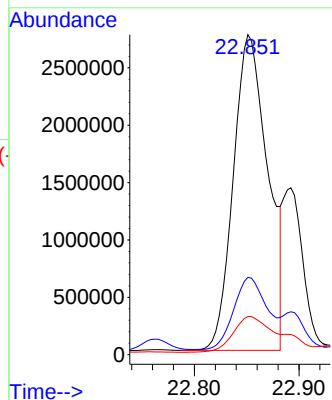
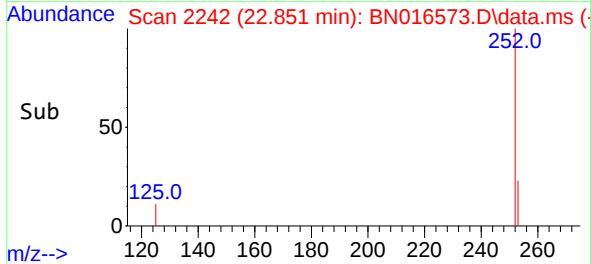
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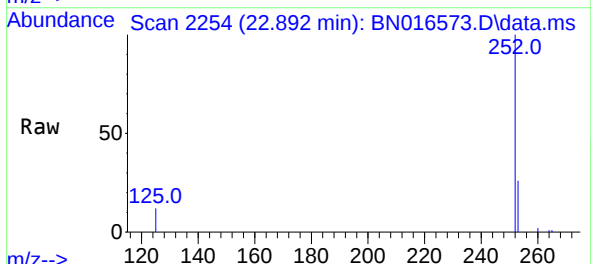
#37
Benzo(b)fluoranthene
Concen: 9.613 ng
RT: 22.851 min Scan# 2242
Delta R.T. 0.024 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



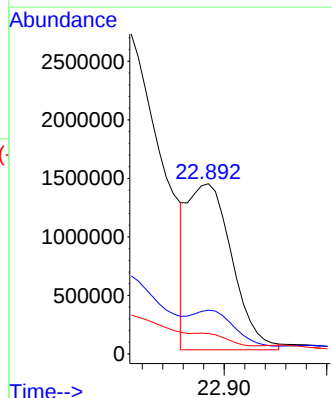
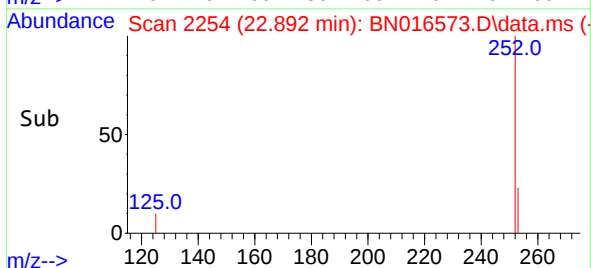
Tgt Ion:252 Resp: 6310582
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 11.9 7.3 10.9#



#38
Benzo(k)fluoranthene
Concen: 3.331 ng m
RT: 22.892 min Scan# 2254
Delta R.T. 0.020 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



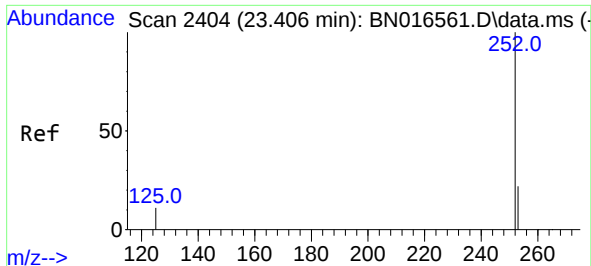
Tgt Ion:252 Resp: 2130609
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.6
125 12.1 7.4 11.0#



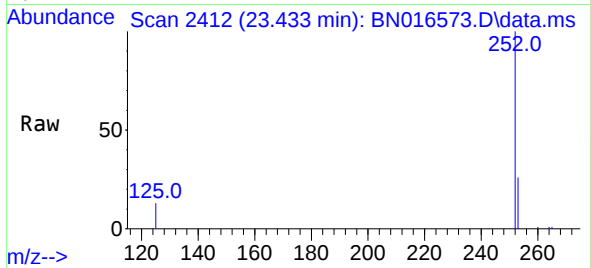
Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421

Manual Integrations
APPROVED

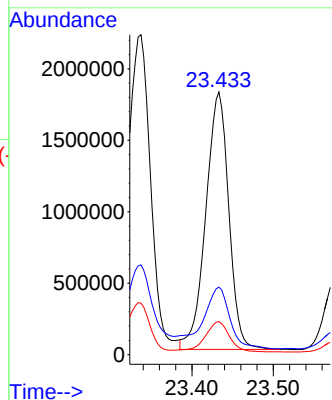
mohammad
9/30/2021 11:30:40 AM



#39
Benzo(a)pyrene
Concen: 5.868 ng
RT: 23.433 min Scan# 2412
Delta R.T. 0.024 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



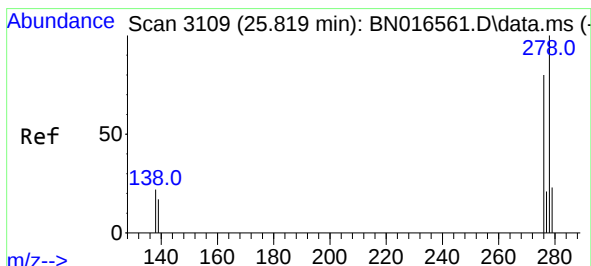
Tgt Ion:252 Resp: 3533430
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 12.6 8.2 12.4#



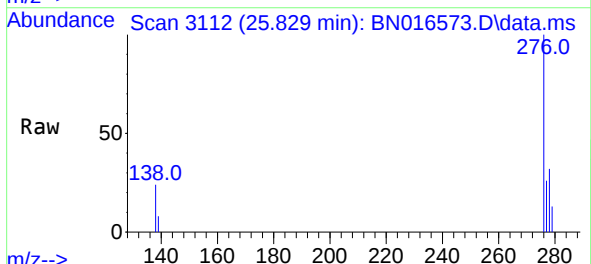
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ClientSampleId :
S-815-N-SO-1-1.5-092421

Manual Integrations
APPROVED

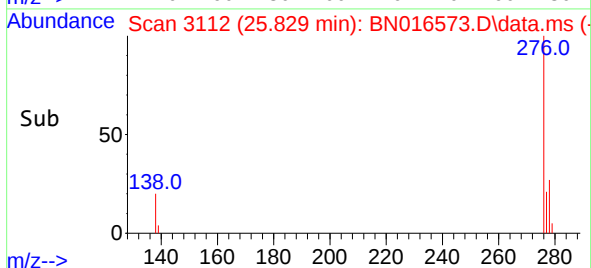
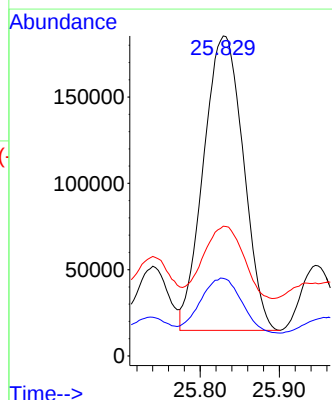
mohammad
9/30/2021 11:30:40 AM

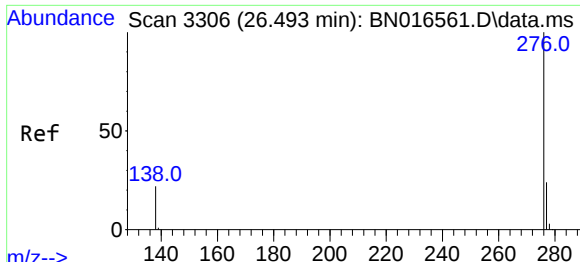


#40
Dibenzo(a,h)anthracene
Concen: 1.368 ng
RT: 25.829 min Scan# 3112
Delta R.T. 0.007 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18



Tgt Ion:278 Resp: 596131
Ion Ratio Lower Upper
278 100
139 24.3 12.1 18.1#
279 40.6 19.2 28.8#





#41
Benzo(g,h,i)perylene
Concen: 2.825 ng
RT: 26.531 min Scan# 3317
Delta R.T. 0.034 min
Lab File: BN016573.D
Acq: 29 Sep 2021 11:18

Tgt Ion: 276 Resp: 1610679
Ion Ratio Lower Upper
276 100
277 25.4 18.9 28.3
138 23.8 15.7 23.5#

Instrument :
BNA_N
ClientSampleId :
S-815-N-SO-1-1.5-092421

Manual Integrations
APPROVED

mohammad
9/30/2021 11:30:40 AM

