

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060221\
 Data File : BN014823.D
 Acq On : 02 Jun 2021 12:30
 Operator : CG/JU
 Sample : M2214-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOIL

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Quant Time: Jun 02 13:00:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN060121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 01 17:40:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.708	152	553	0.40	ng	0.00
7) Naphthalene-d8	10.492	136	2017	0.40	ng	# 0.00
13) Acenaphthene-d10	14.346	164	1579	0.40	ng	0.00
19) Phenanthrene-d10	17.104	188	3759	0.40	ng	0.00
29) Chrysene-d12	21.300	240	5326	0.40	ng	# 0.00
35) Perylene-d12	23.565	264	5147	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.316	112	487	0.34	ng	0.00
5) Phenol-d6	6.887	99	565	0.30	ng	0.00
8) Nitrobenzene-d5	8.870	82	577	0.34	ng	0.01
11) 2-Methylnaphthalene-d10	12.089	152	1245	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.856	330	221	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.976	172	2063	0.36	ng	0.00
27) Fluoranthene-d10	19.141	212	4520	0.33	ng	0.00
31) Terphenyl-d14	19.747	244	4896	0.39	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.543	128	74819	13.44	ng	# 88
12) 2-Methylnaphthalene	12.160	142	16054	4.10	ng	97
16) Acenaphthylene	14.067	152	43553	7.27	ng	99
17) Acenaphthene	14.410	154	68411	15.47	ng	99
18) Fluorene	15.399	166	10889	1.81	ng	99
25) Phenanthrene	17.140	178	101335	9.53	ng	99
26) Anthracene	17.237	178	67238	7.64	ng	97
28) Fluoranthene	19.171	202	94105	6.51	ng	99
30) Pyrene	19.538	202	90778	5.94	ng	99
32) Benzo(a)anthracene	21.290	228	44641	3.00	ng	98
33) Chrysene	21.343	228	36337	2.01	ng	98
34) Bis(2-ethylhexyl)phtha...	21.226	149	1379	0.33	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.841	276	155044	7.32	ng	99
37) Benzo(b)fluoranthene	22.884	252	164808m	8.81	ng	
38) Benzo(k)fluoranthene	22.929	252	36478	1.81	ng	92
39) Benzo(a)pyrene	23.466	252	69190	4.23	ng	# 86
40) Dibenzo(a,h)anthracene	25.855	278	153085	8.70	ng	# 91
41) Benzo(g,h,i)perylene	26.533	276	44400	2.27	ng	96

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

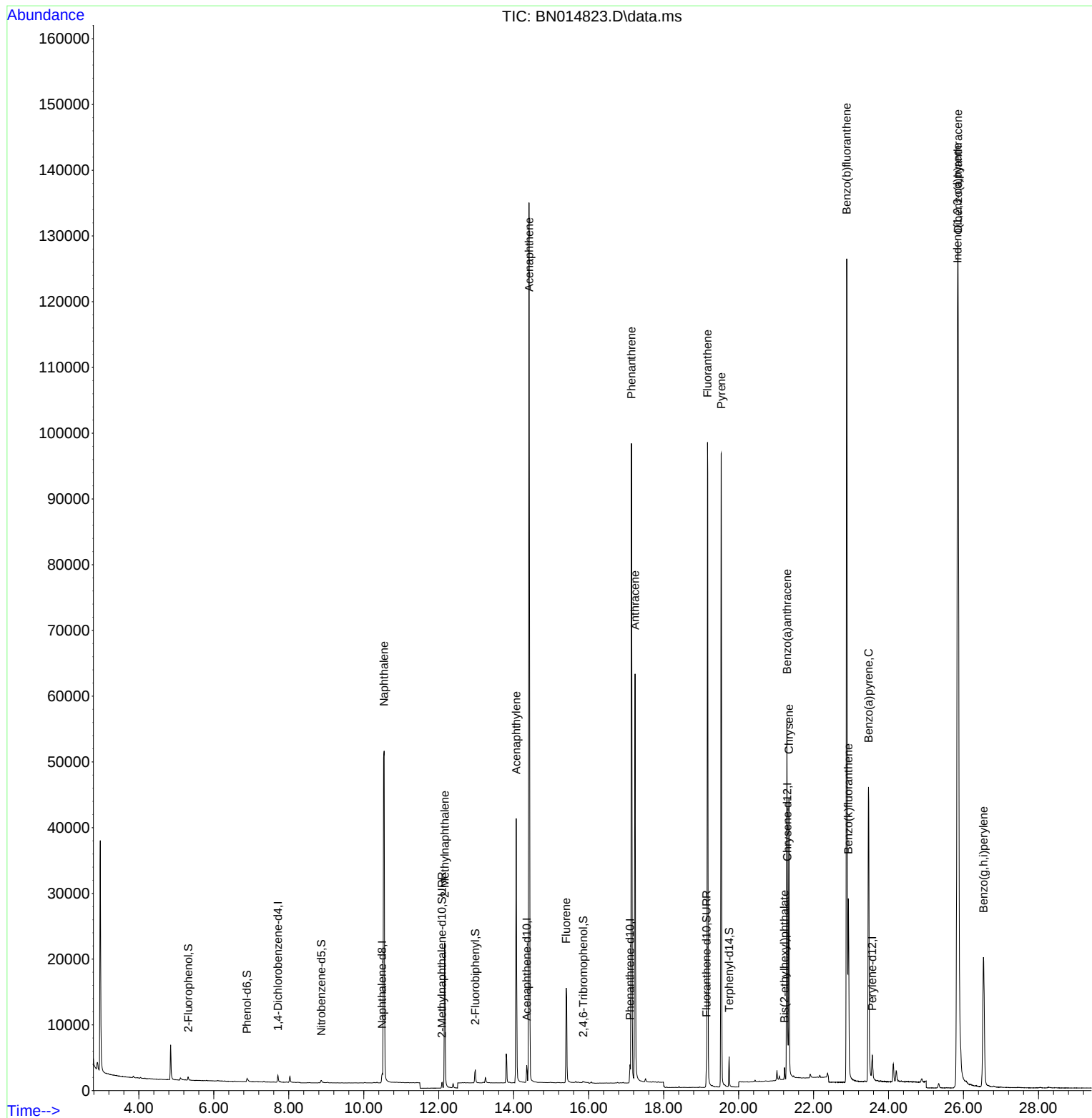
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060221\
Data File : BN014823.D
Acq On : 02 Jun 2021 12:30
Operator : CG/JU
Sample : M2214-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

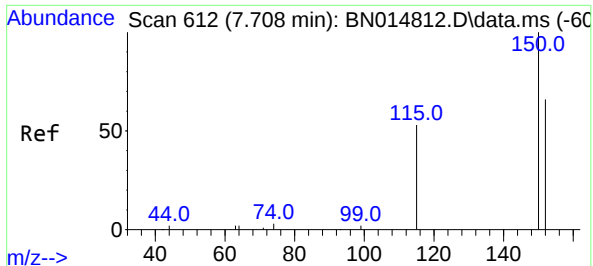
Instrument :
BNA_N
ClientSampleId :
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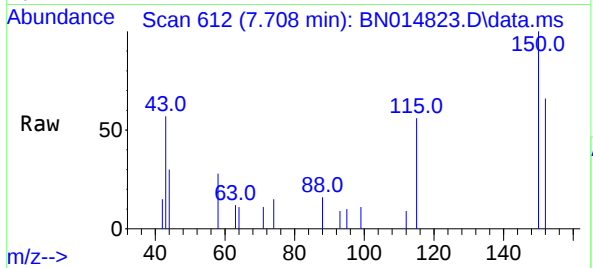
Quant Time: Jun 02 13:00:02 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN060121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 01 17:40:45 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.708 min Scan# 612
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Instrument :
BNA_N
ClientSampled :
PT-PAH-SOIL

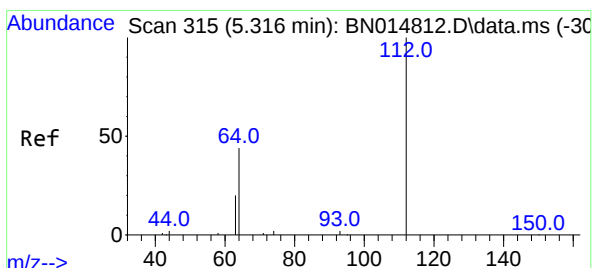
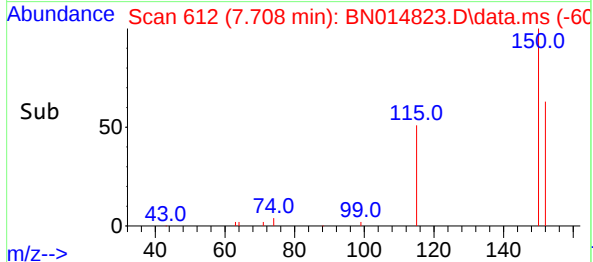
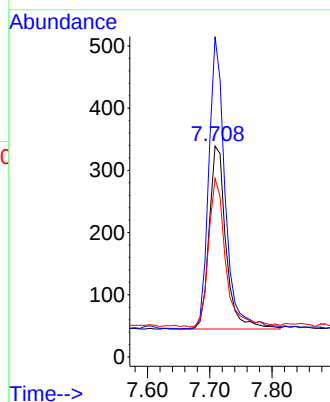


Tgt Ion:152 Resp: 553

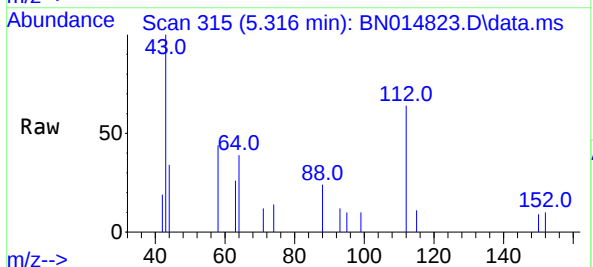
Ion	Ratio	Lower	Upper
152	100		
150	151.9	123.4	185.2
115	84.7	73.2	109.8

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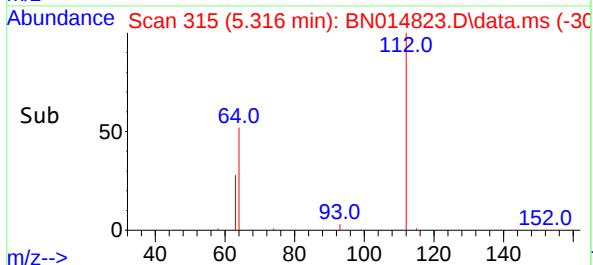
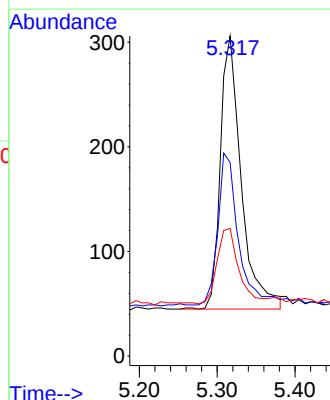


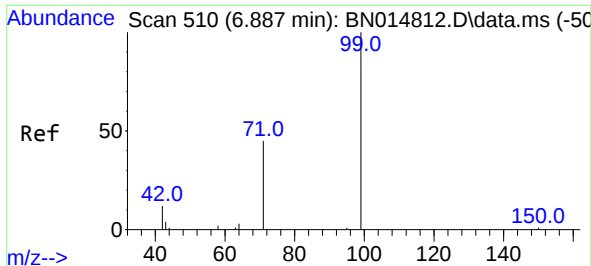
#4
2-Fluorophenol
Concen: 0.34 ng
RT: 5.316 min Scan# 315
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



Tgt Ion:112 Resp: 487

Ion	Ratio	Lower	Upper
112	100		
64	54.2	43.6	65.4
63	29.8	25.0	37.6





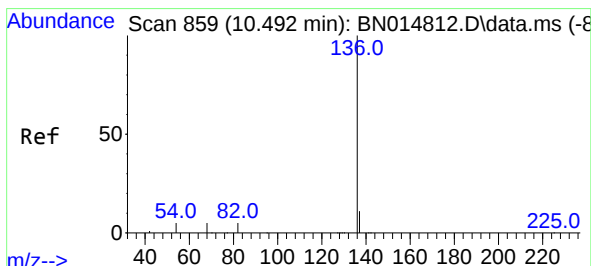
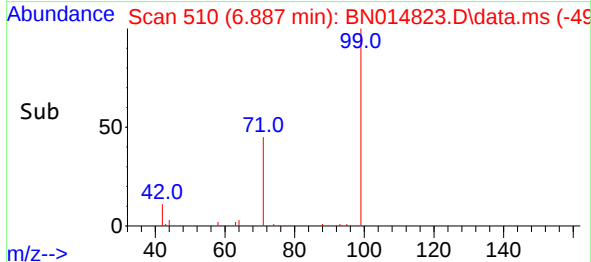
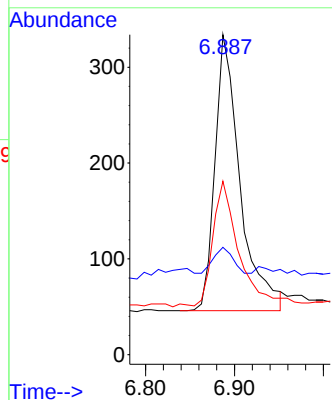
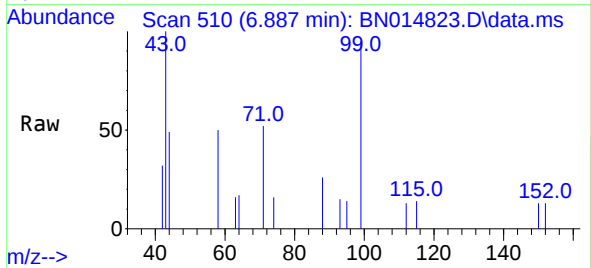
#5
Phenol-d6
Concen: 0.30 ng
RT: 6.887 min Scan# 510
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:	99	Resp:	565
Ion	Ratio	Lower	Upper
99	100		
42	7.1	10.2	15.2#
71	46.2	32.4	48.6

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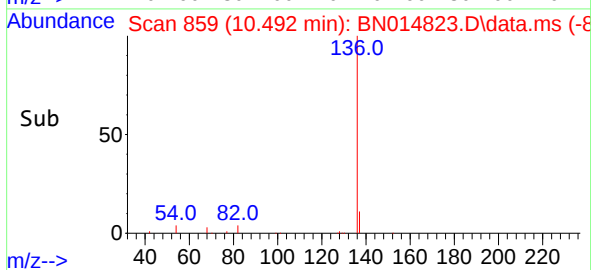
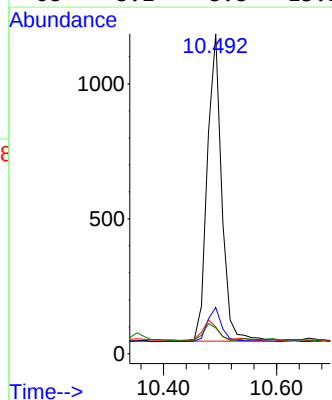
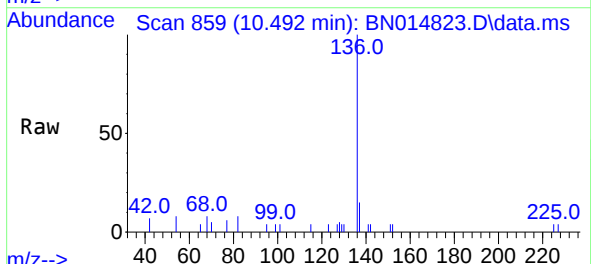
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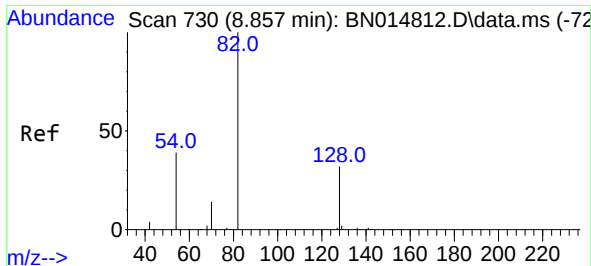
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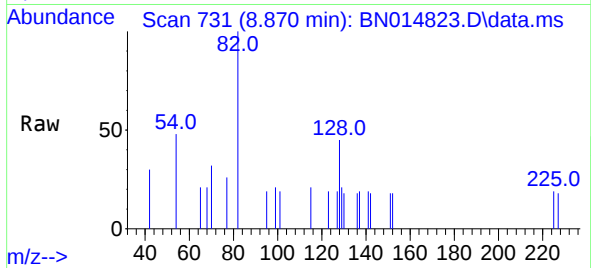
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.492 min Scan# 859
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:	136	Resp:	2017
Ion	Ratio	Lower	Upper
136	100		
137	14.5	13.2	19.8
54	8.4	9.0	13.4#
68	8.1	8.8	13.2#

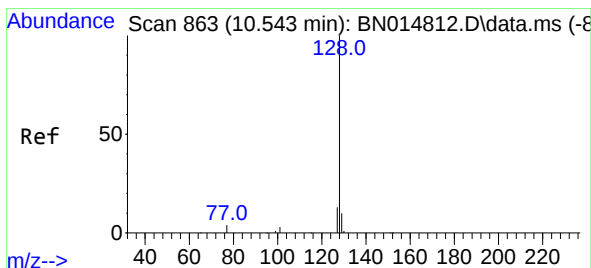
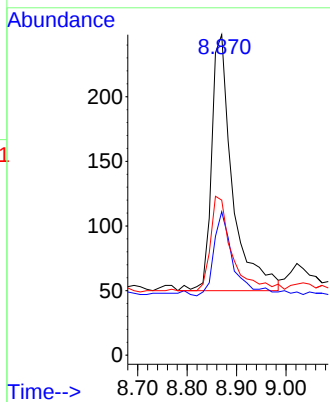
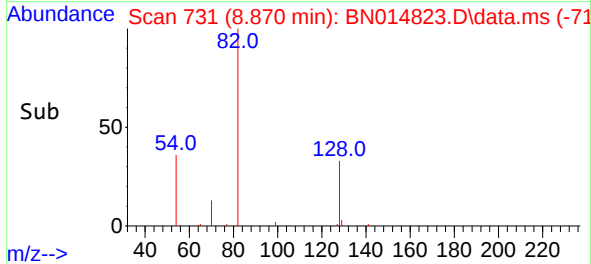




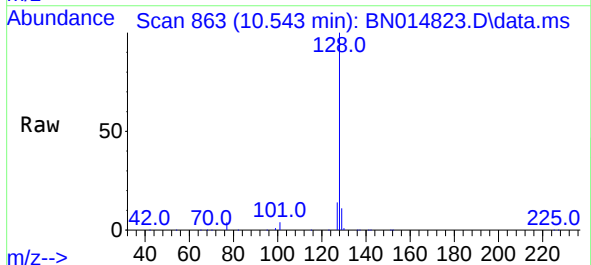
#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 8.870 min Scan# 731
Delta R.T. 0.013 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



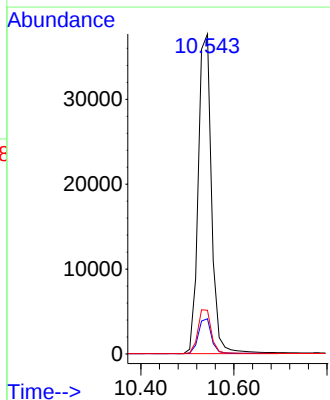
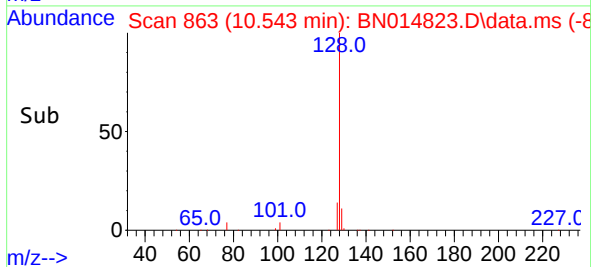
Tgt Ion: 82 Resp: 577
Ion Ratio Lower Upper
82 100
128 44.8 34.2 51.2
54 48.4 38.4 57.6



#9
Naphthalene
Concen: 13.44 ng
RT: 10.543 min Scan# 863
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



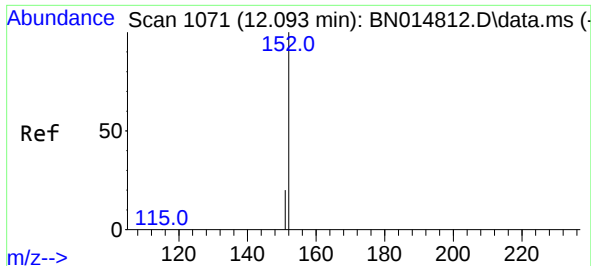
Tgt Ion: 128 Resp: 74819
Ion Ratio Lower Upper
128 100
129 11.0 13.0 19.4#
127 13.7 15.0 22.6#



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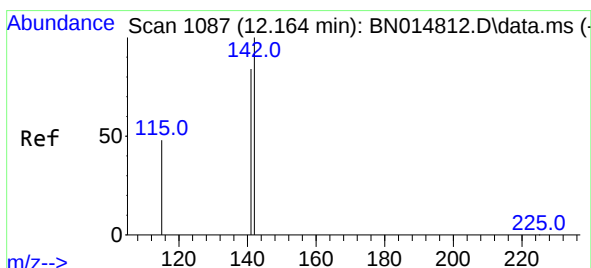
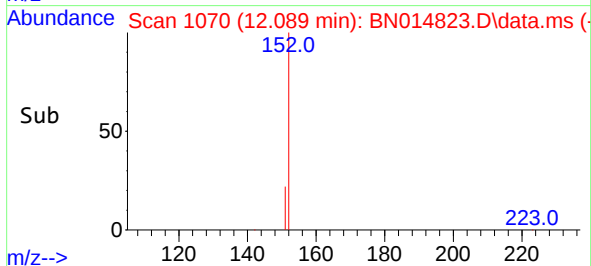
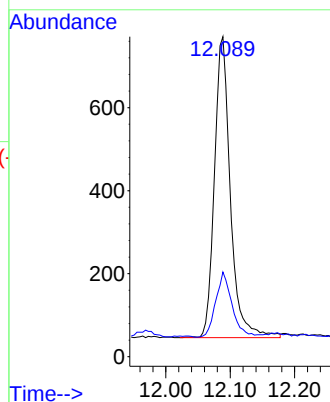
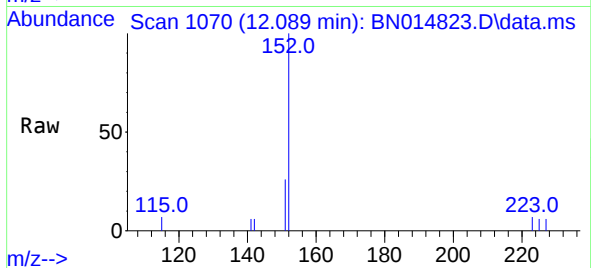
#11
2-Methylnaphthalene-d10
Concen: 0.33 ng
RT: 12.089 min Scan# 1070
Delta R.T. -0.004 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:152 Resp: 1245
Ion Ratio Lower Upper
152 100
151 22.2 16.8 25.2

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

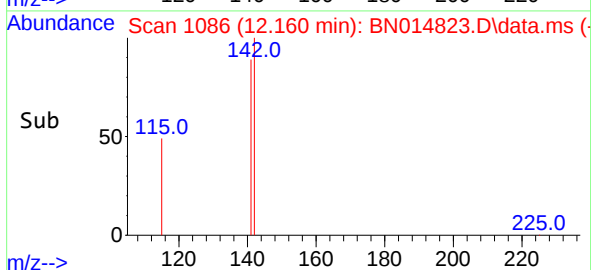
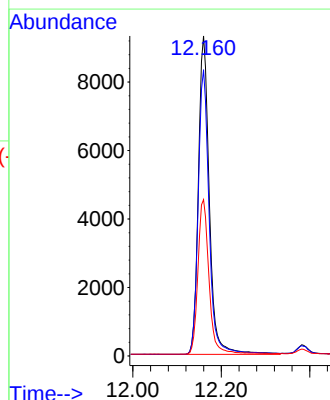
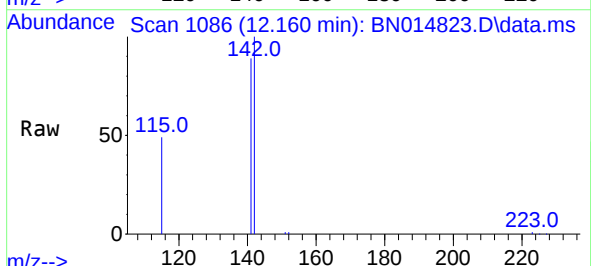
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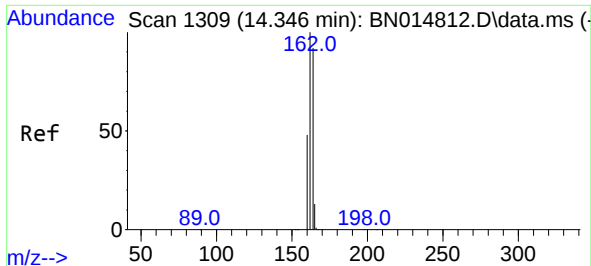
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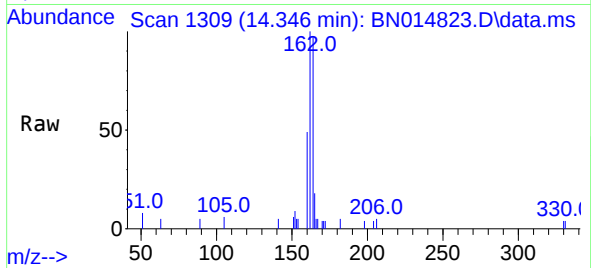
#12
2-Methylnaphthalene
Concen: 4.10 ng
RT: 12.160 min Scan# 1086
Delta R.T. -0.004 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:142 Resp: 16054
Ion Ratio Lower Upper
142 100
141 89.4 72.9 109.3
115 48.8 41.8 62.6

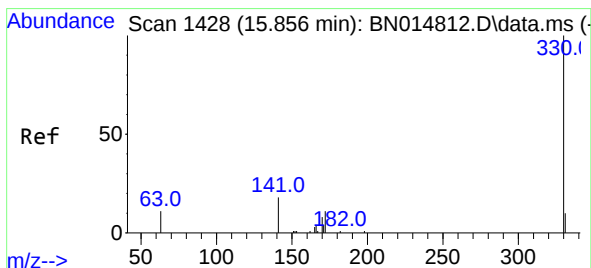
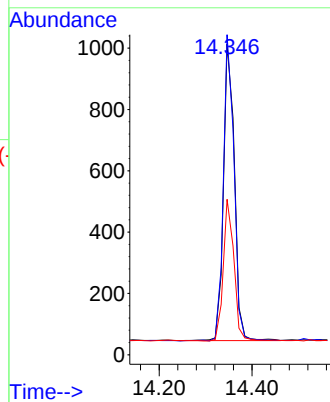
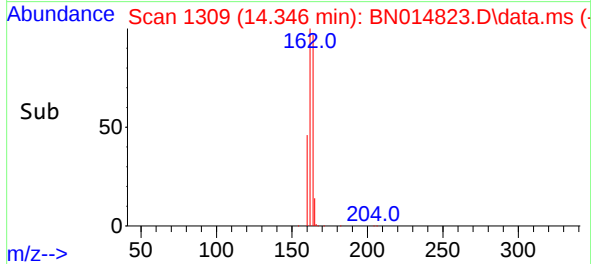




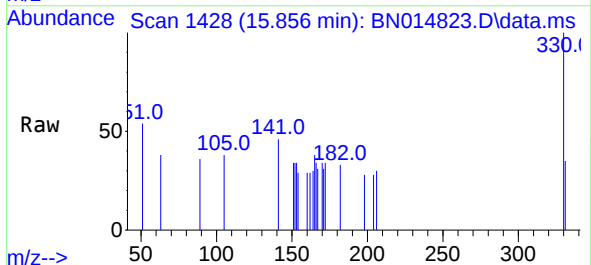
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.346 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



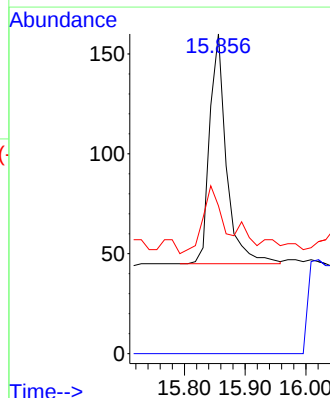
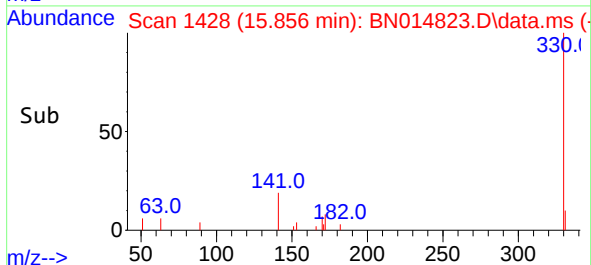
Tgt Ion:164 Resp: 1579
Ion Ratio Lower Upper
164 100
162 103.1 83.2 124.8
160 50.0 41.8 62.6



#14
2,4,6-Tribromophenol
Concen: 0.27 ng
RT: 15.856 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



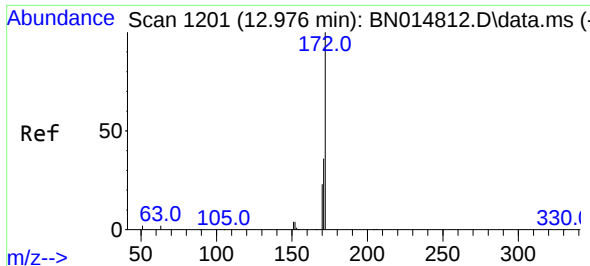
Tgt Ion:330 Resp: 221
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.8 21.8 32.6#



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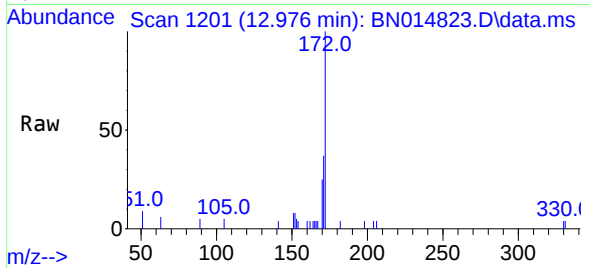
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#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 12.976 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

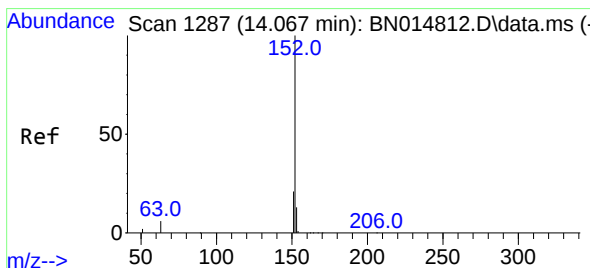
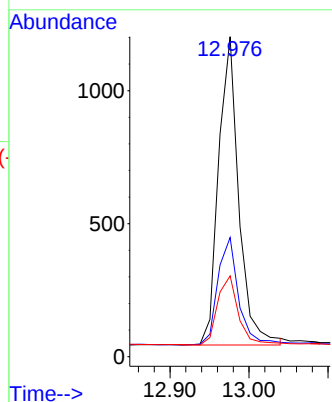
Instrument :
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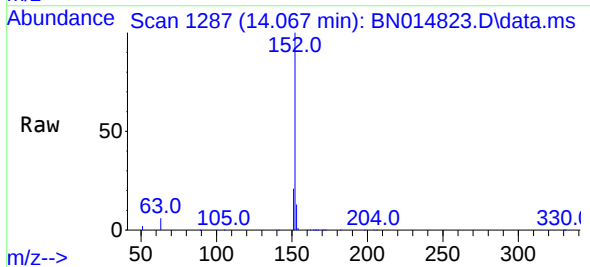
Tgt Ion:	172	Resp:	2063
Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.9	46.3
170	25.3	21.4	32.0

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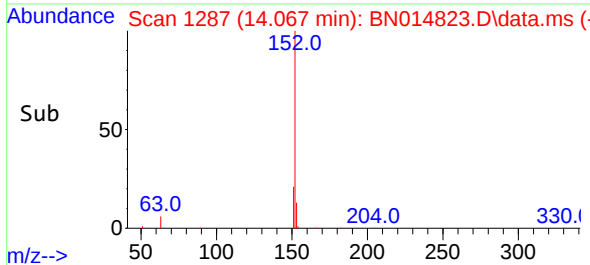
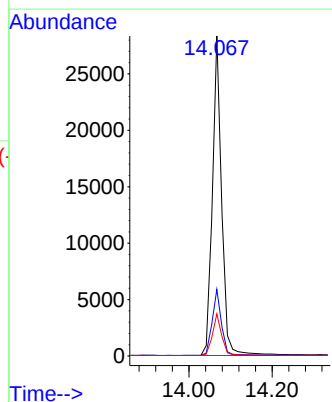
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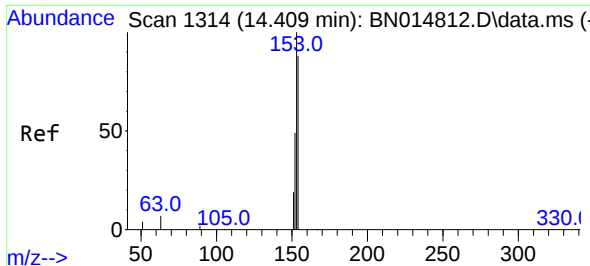


#16
Acenaphthylene
Concen: 7.27 ng
RT: 14.067 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

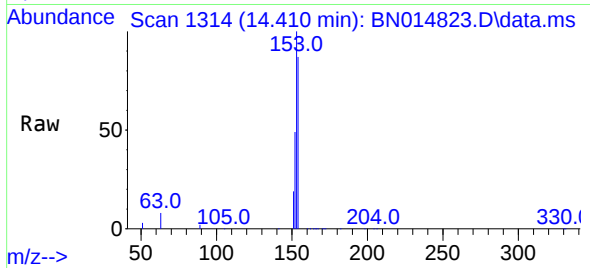


Tgt Ion:	152	Resp:	43553
Ion	Ratio	Lower	Upper
152	100		
151	20.9	17.1	25.7
153	13.1	9.9	14.9

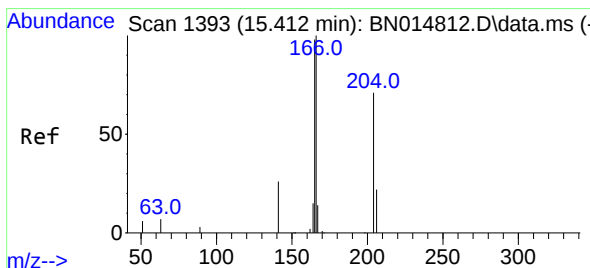
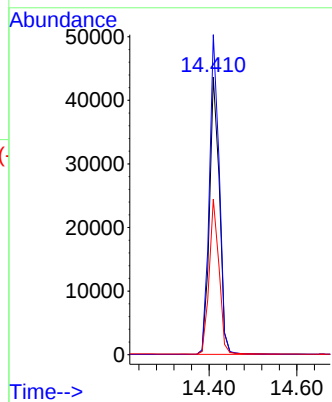
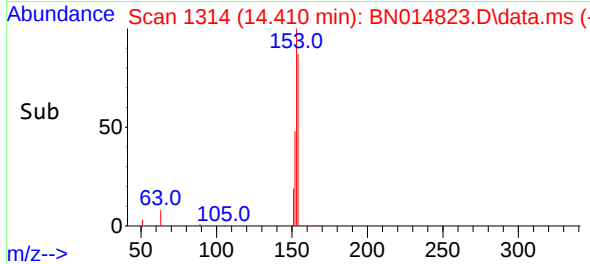




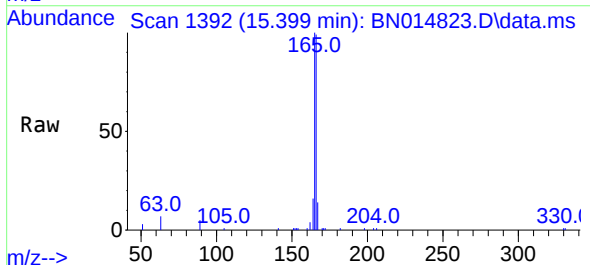
#17
Acenaphthene
Concen: 15.47 ng
RT: 14.410 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



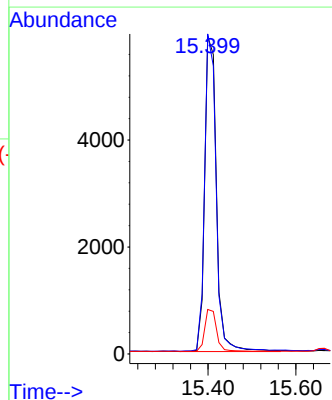
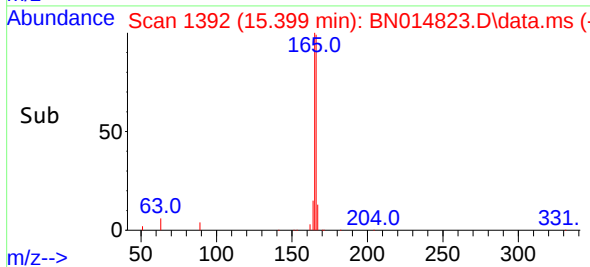
Tgt Ion:154 Resp: 68411
Ion Ratio Lower Upper
154 100
153 114.6 91.8 137.8
152 55.2 46.0 69.0



#18
Fluorene
Concen: 1.81 ng
RT: 15.399 min Scan# 1392
Delta R.T. -0.013 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



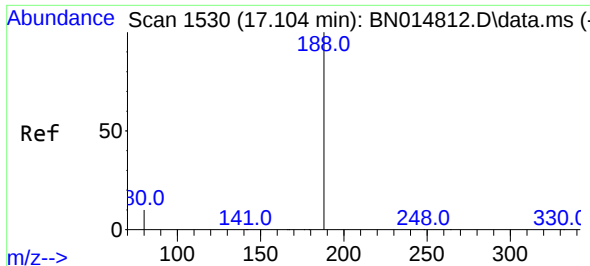
Tgt Ion:166 Resp: 10889
Ion Ratio Lower Upper
166 100
165 98.6 79.9 119.9
167 13.6 10.5 15.7



Instrument :
BNA_N
ClientSampleId :
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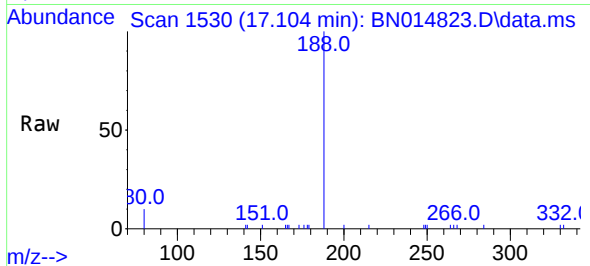
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#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.104 min Scan# 1530
Delta R.T. -0.000 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

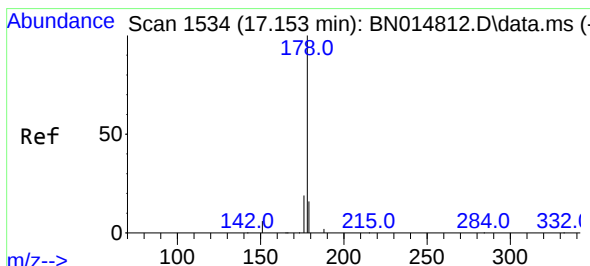
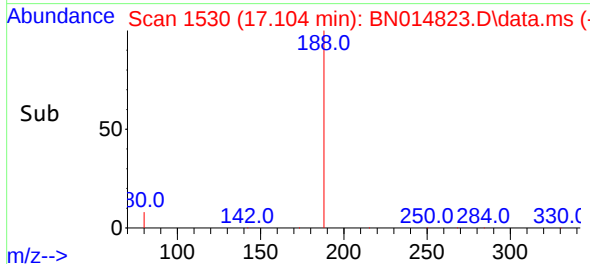
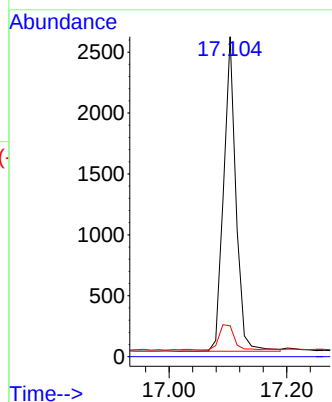
Instrument :
BNA_N
ClientSampleId :
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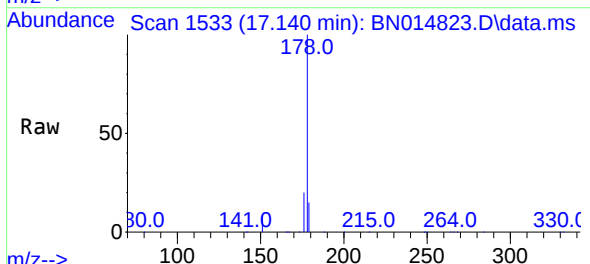
Tgt Ion:188 Resp: 3759
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.7 8.2 12.4

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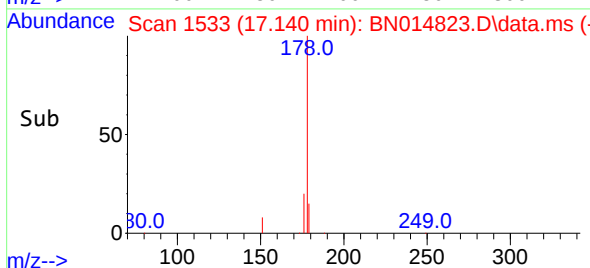
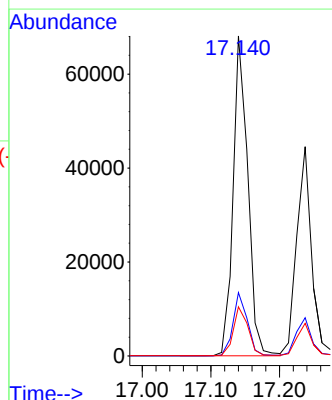
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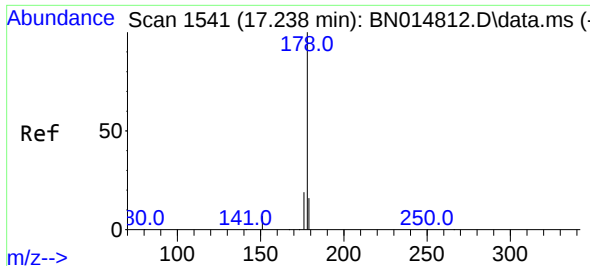


#25
Phenanthrene
Concen: 9.53 ng
RT: 17.140 min Scan# 1533
Delta R.T. -0.013 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

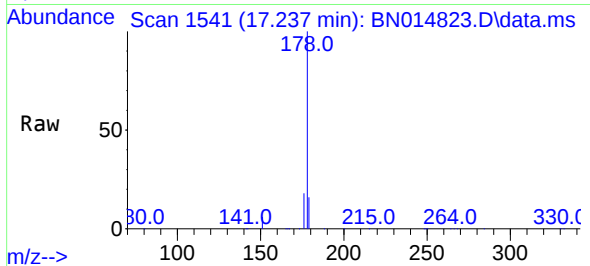


Tgt Ion:178 Resp: 101335
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.4 12.6 19.0



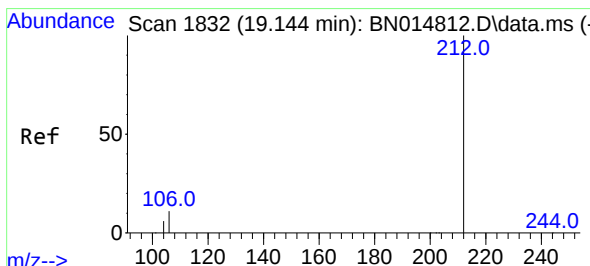
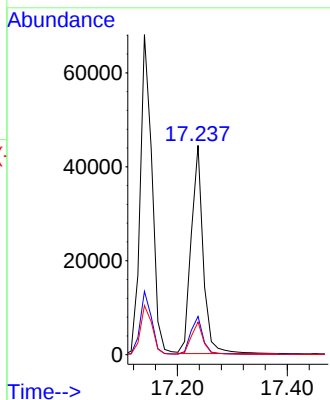
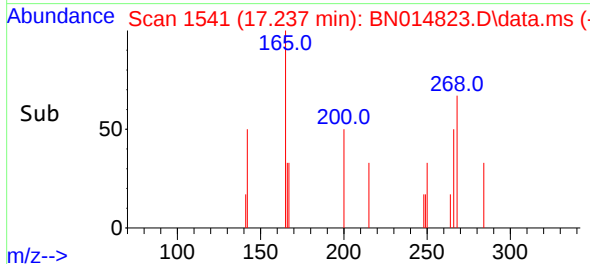


#26
 Anthracene
 Concen: 7.64 ng
 RT: 17.237 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: BN014823.D
 Acq: 02 Jun 2021 12:30

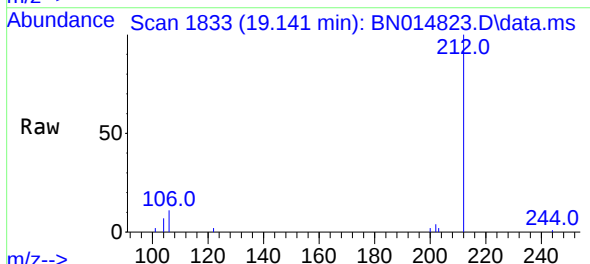


Tgt Ion:178 Resp: 67238

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.2	21.2
179	15.4	13.7	20.5

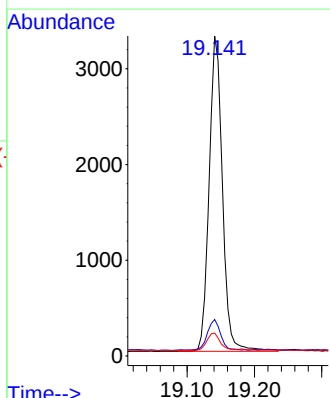
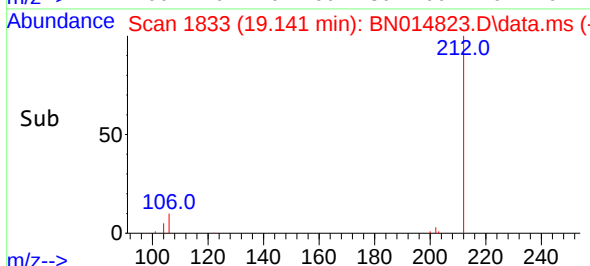


#27
 Fluoranthene-d10
 Concen: 0.33 ng
 RT: 19.141 min Scan# 1833
 Delta R.T. -0.003 min
 Lab File: BN014823.D
 Acq: 02 Jun 2021 12:30



Tgt Ion:212 Resp: 4520

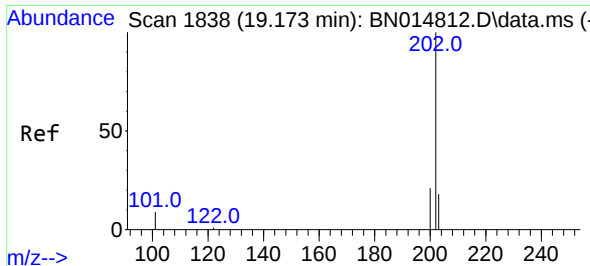
Ion	Ratio	Lower	Upper
212	100		
106	9.5	7.4	11.2
104	5.8	4.1	6.1



Instrument :
 BNA_N
 ClientSampleId :
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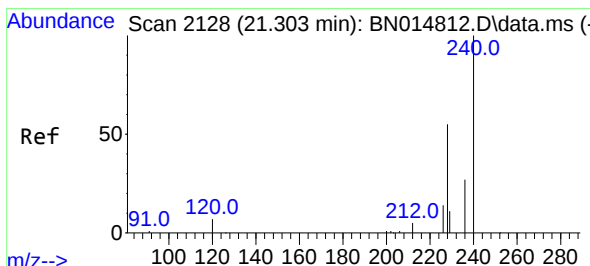
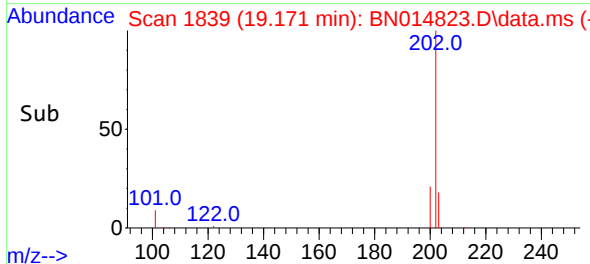
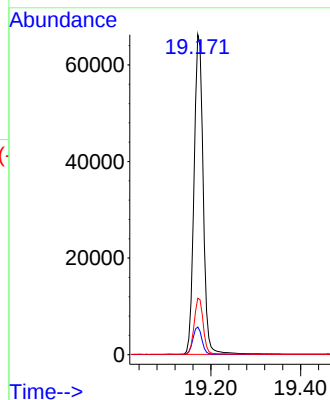
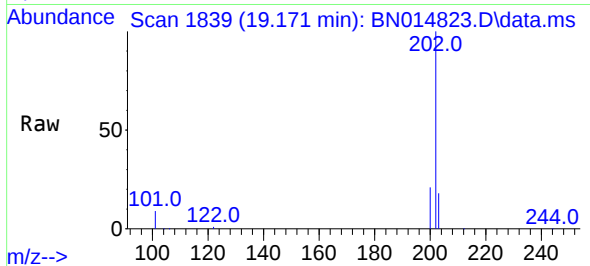
#28
Fluoranthene
Concen: 6.51 ng
RT: 19.171 min Scan# 1839
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:202 Resp: 94105
Ion Ratio Lower Upper
202 100
101 8.5 7.0 10.6
203 17.5 13.5 20.3

Instrument :
BNA_N
ClientSampleId :
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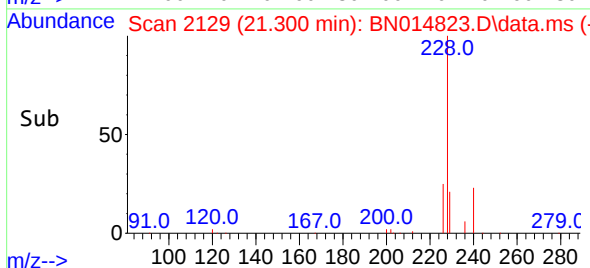
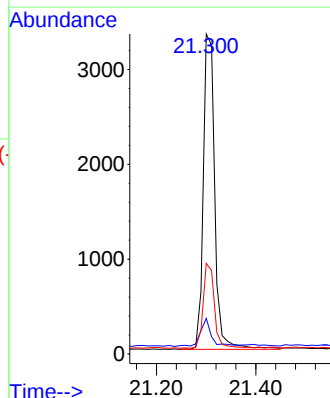
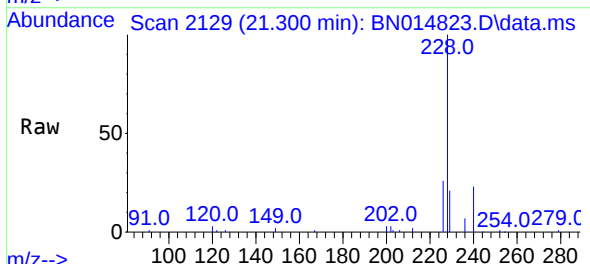
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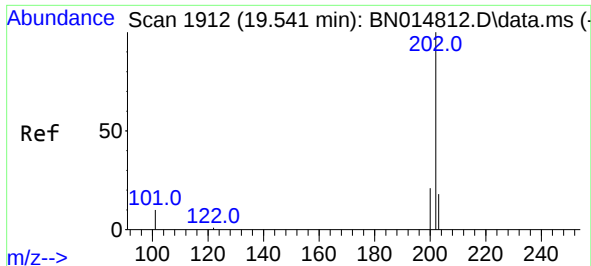
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#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.300 min Scan# 2129
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:240 Resp: 5326
Ion Ratio Lower Upper
240 100
120 11.1 5.2 7.8#
236 28.3 21.6 32.4





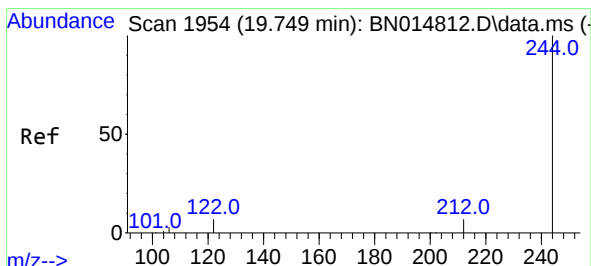
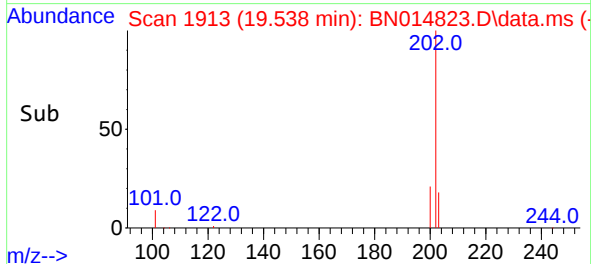
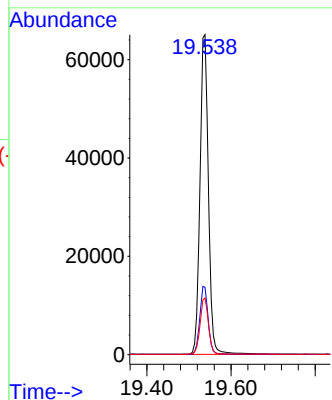
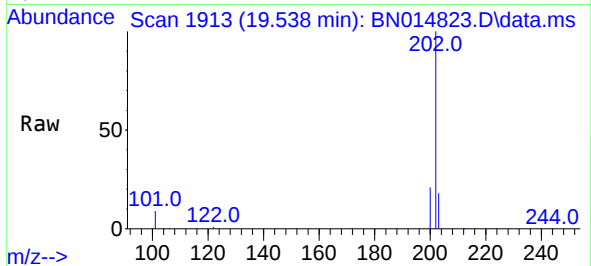
#30
Pyrene
Concen: 5.94 ng
RT: 19.538 min Scan# 1913
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:	202	Resp:	90778
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.6	24.8
203	17.6	13.9	20.9

Instrument :
BNA_N
ClientSampleId :
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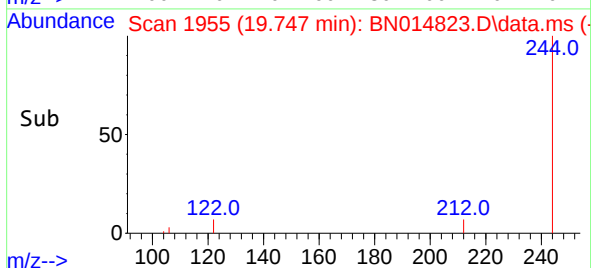
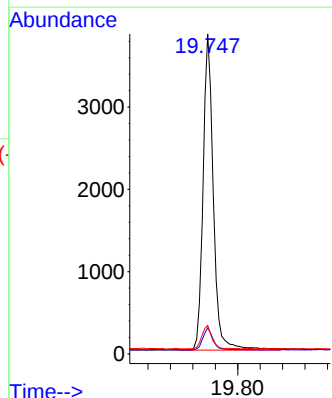
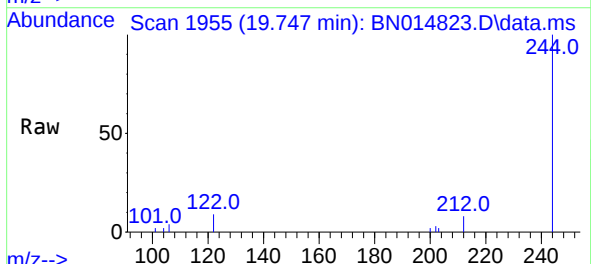
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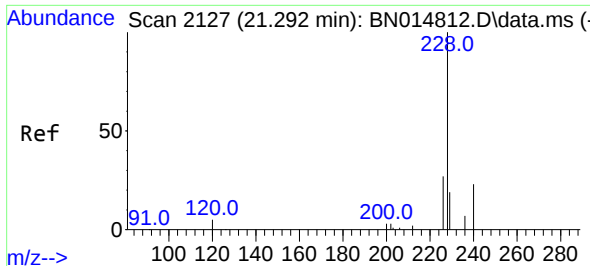
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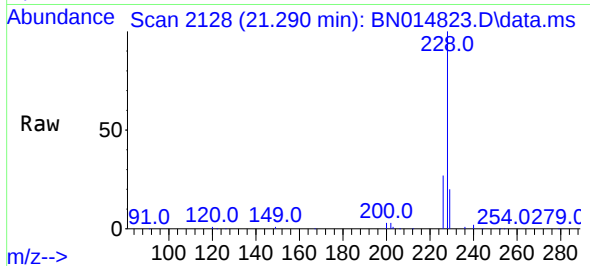
#31
Terphenyl-d14
Concen: 0.39 ng
RT: 19.747 min Scan# 1955
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:	244	Resp:	4896
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.8	10.2
122	8.9	6.6	9.8

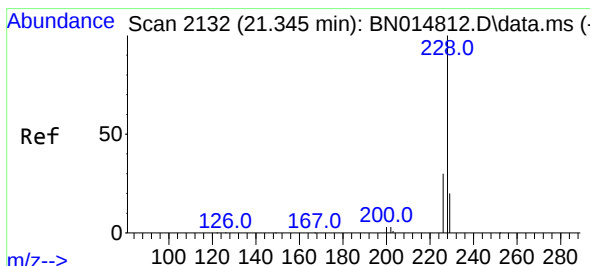
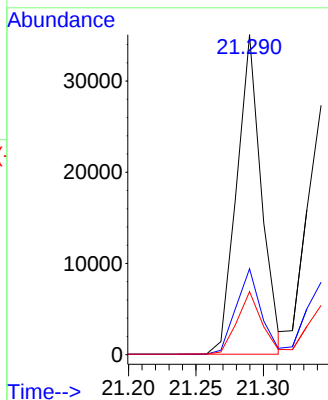
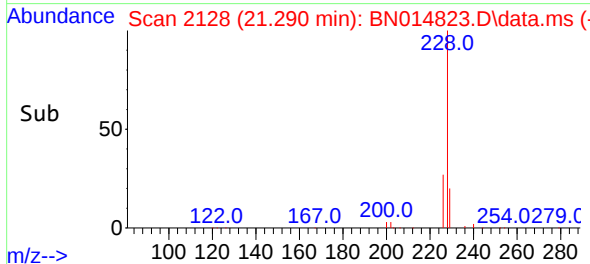




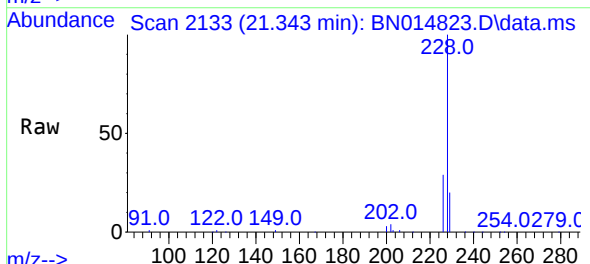
#32
Benzo(a)anthracene
Concen: 3.00 ng
RT: 21.290 min Scan# 2128
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



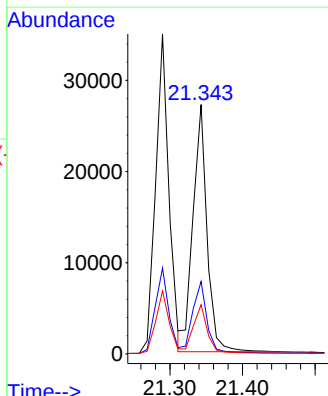
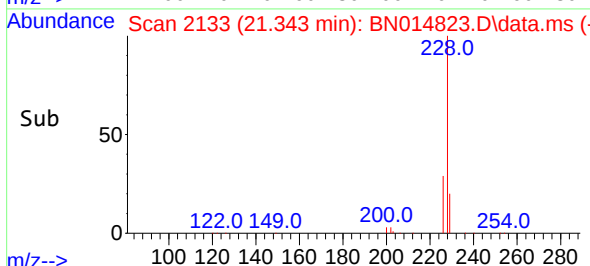
Tgt Ion:228 Resp: 44641
Ion Ratio Lower Upper
228 100
226 26.8 22.9 34.3
229 19.7 16.2 24.2



#33
Chrysene
Concen: 2.01 ng
RT: 21.343 min Scan# 2133
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



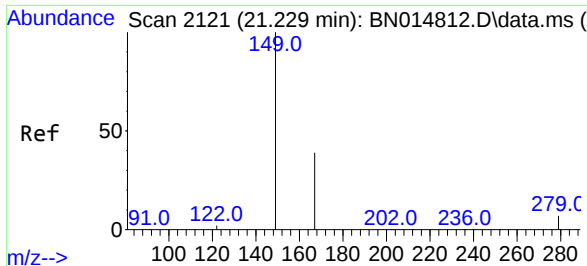
Tgt Ion:228 Resp: 36337
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 19.8 16.4 24.6



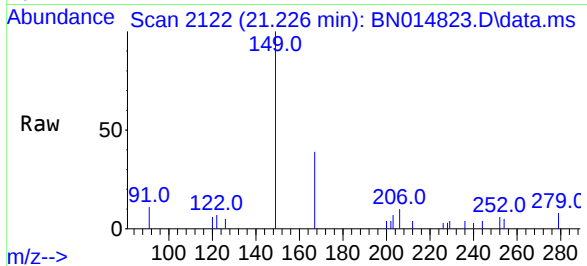
Instrument :
BNA_N
ClientSampleId :
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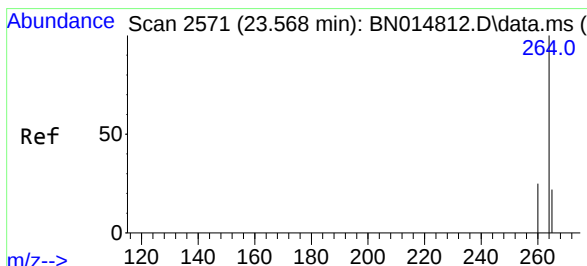
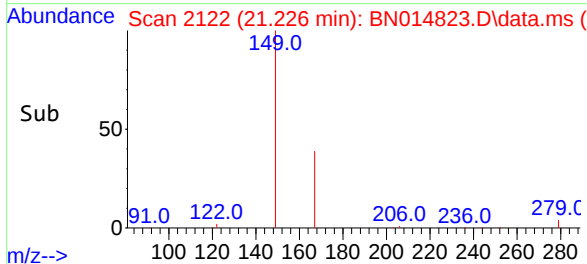
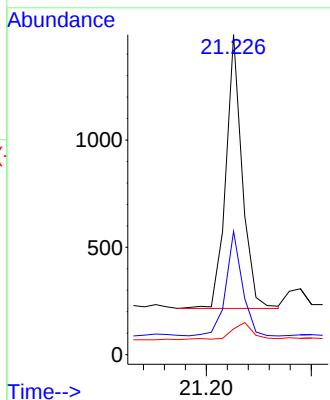
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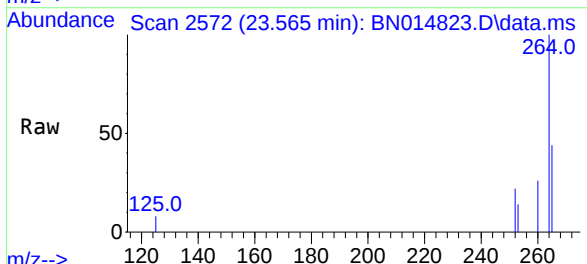
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.33 ng
RT: 21.226 min Scan# 2122
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



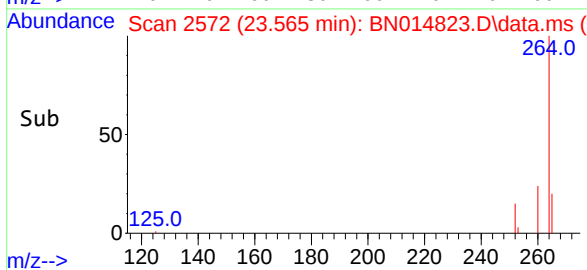
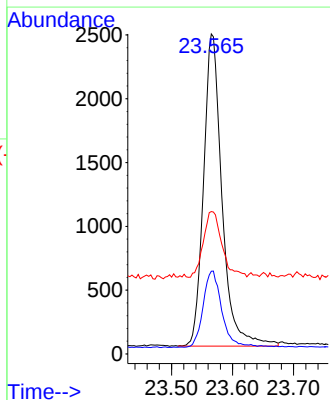
Tgt Ion:149 Resp: 1379
Ion Ratio Lower Upper
149 100
167 38.4 28.3 42.5
279 8.8 5.5 8.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.565 min Scan# 2572
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30



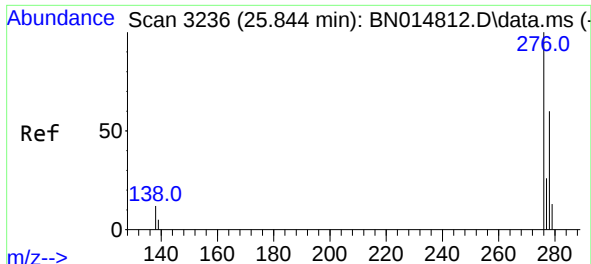
Tgt Ion:264 Resp: 5147
Ion Ratio Lower Upper
264 100
260 25.9 21.4 32.2
265 44.5 40.9 61.3



Instrument :
BNA_N
ClientSampleId :
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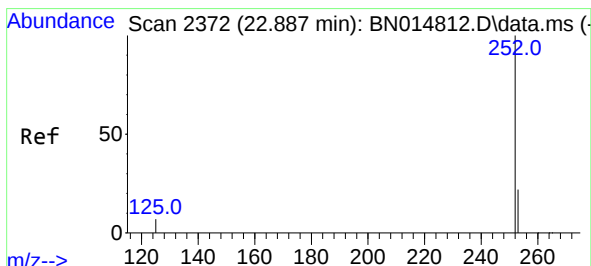
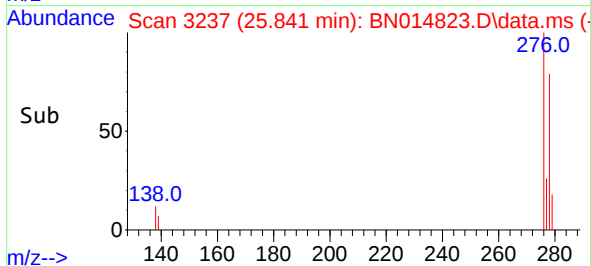
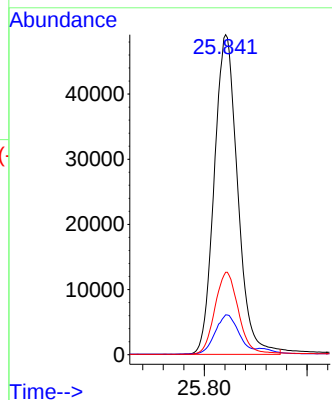
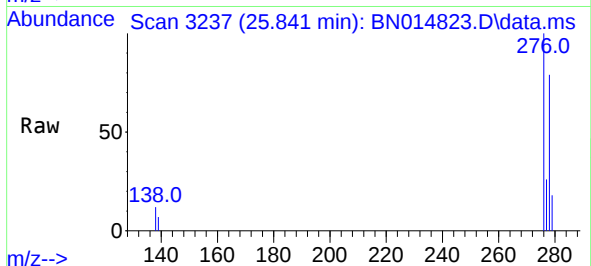
#36
Indeno(1,2,3-cd)pyrene
Concen: 7.32 ng
RT: 25.841 min Scan# 3237
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:276 Resp: 155044
Ion Ratio Lower Upper
276 100
138 12.5 10.2 15.4
277 25.9 20.4 30.6

Instrument :
BNA_N
ClientSampleId :
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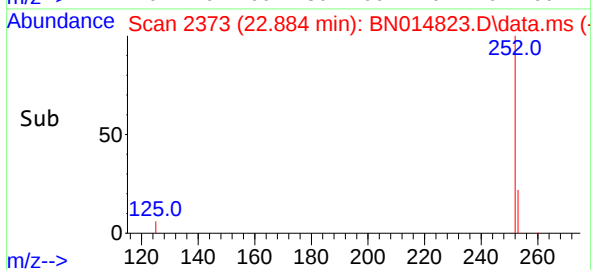
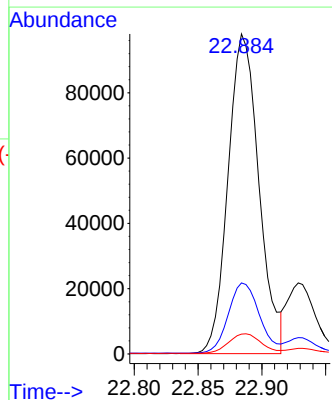
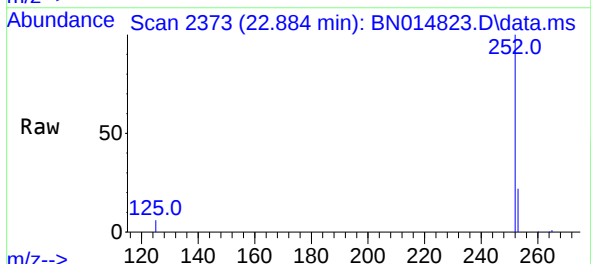
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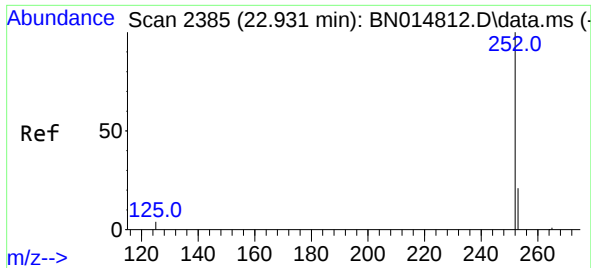
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#37
Benzo(b)fluoranthene
Concen: 8.81 ng m
RT: 22.884 min Scan# 2373
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:252 Resp: 164808
Ion Ratio Lower Upper
252 100
253 22.2 21.5 32.3
125 6.2 6.6 10.0#





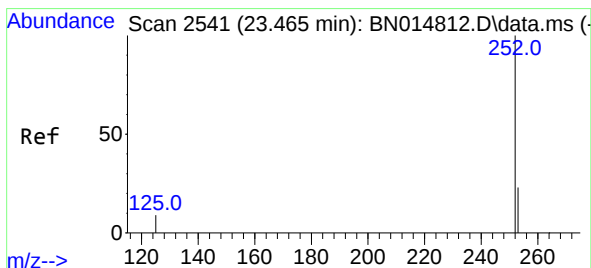
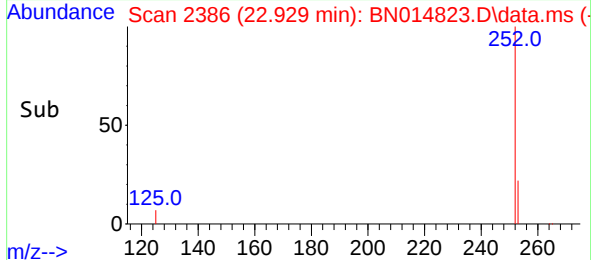
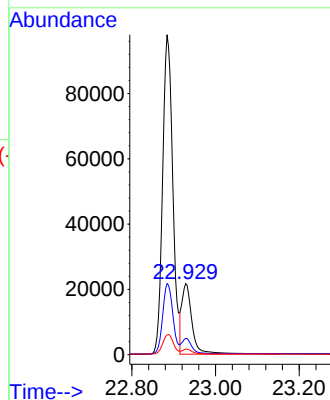
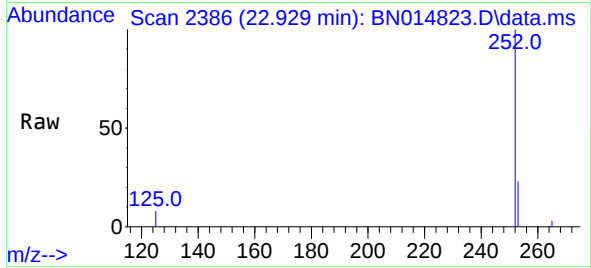
#38
Benzo(k)fluoranthene
Concen: 1.81 ng
RT: 22.929 min Scan# 2386
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:252 Resp: 36478
Ion Ratio Lower Upper
252 100
253 22.9 22.7 34.1
125 8.0 6.4 9.6

Instrument :
BNA_N
ClientSampled :
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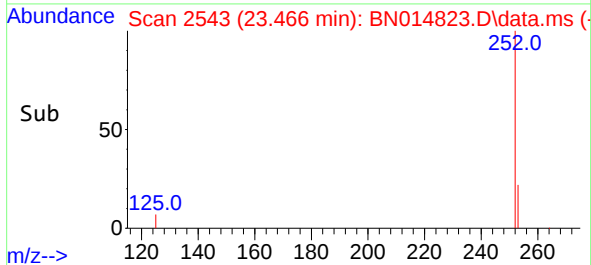
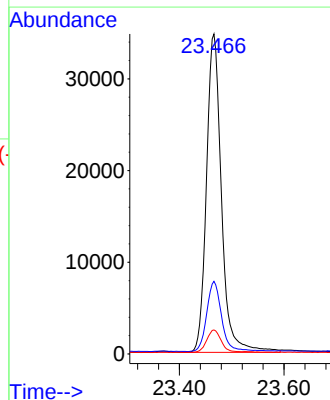
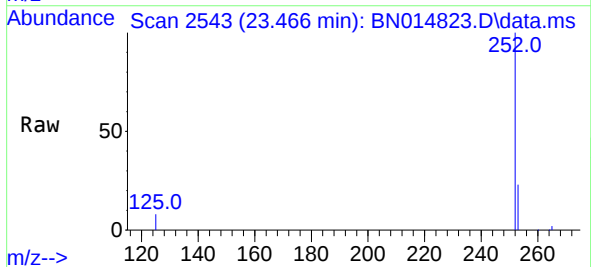
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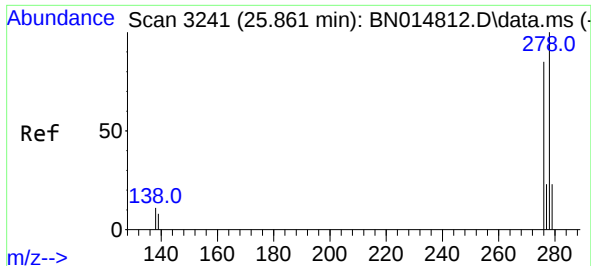
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#39
Benzo(a)pyrene
Concen: 4.23 ng
RT: 23.466 min Scan# 2543
Delta R.T. 0.001 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion:252 Resp: 69190
Ion Ratio Lower Upper
252 100
253 22.7 25.1 37.7#
125 7.5 9.4 14.0#





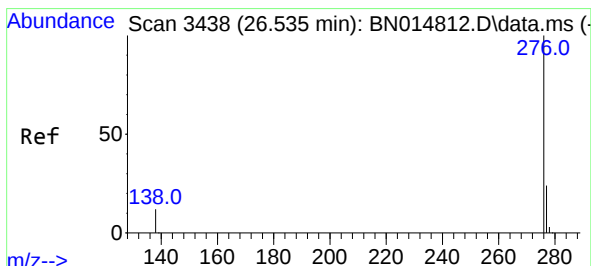
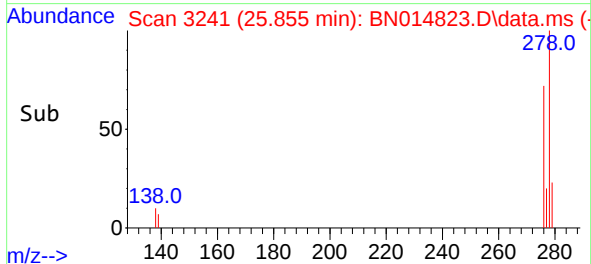
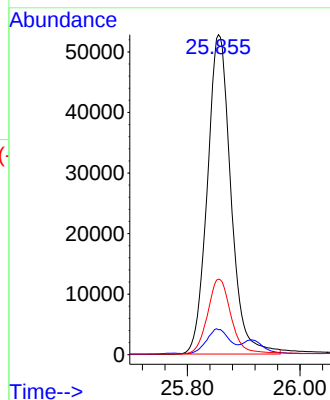
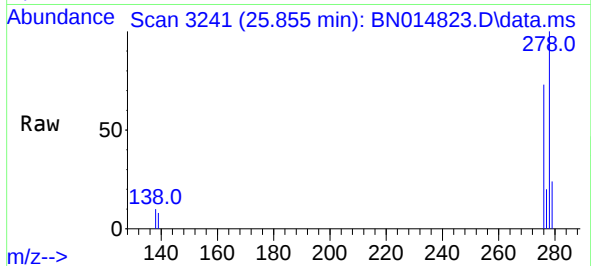
#40
Dibenzo(a,h)anthracene
Concen: 8.70 ng
RT: 25.855 min Scan# 3241
Delta R.T. -0.006 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion: 278 Resp: 153085
Ion Ratio Lower Upper
278 100
139 7.8 8.6 13.0#
279 23.6 22.8 34.2

Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOIL

Manual Integrations
APPROVED

mohammad
6/3/2021 11:07:41 AM



#41
Benzo(g,h,i)perylene
Concen: 2.27 ng
RT: 26.533 min Scan# 3439
Delta R.T. -0.003 min
Lab File: BN014823.D
Acq: 02 Jun 2021 12:30

Tgt Ion: 276 Resp: 44400
Ion Ratio Lower Upper
276 100
277 24.2 20.9 31.3
138 11.0 10.3 15.5

