

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN060221\
 Data File : BN014824.D
 Acq On : 02 Jun 2021 14:39
 Operator : CG/JU
 Sample : M2214-13DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

Quant Time: Jun 02 15:10:59 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)

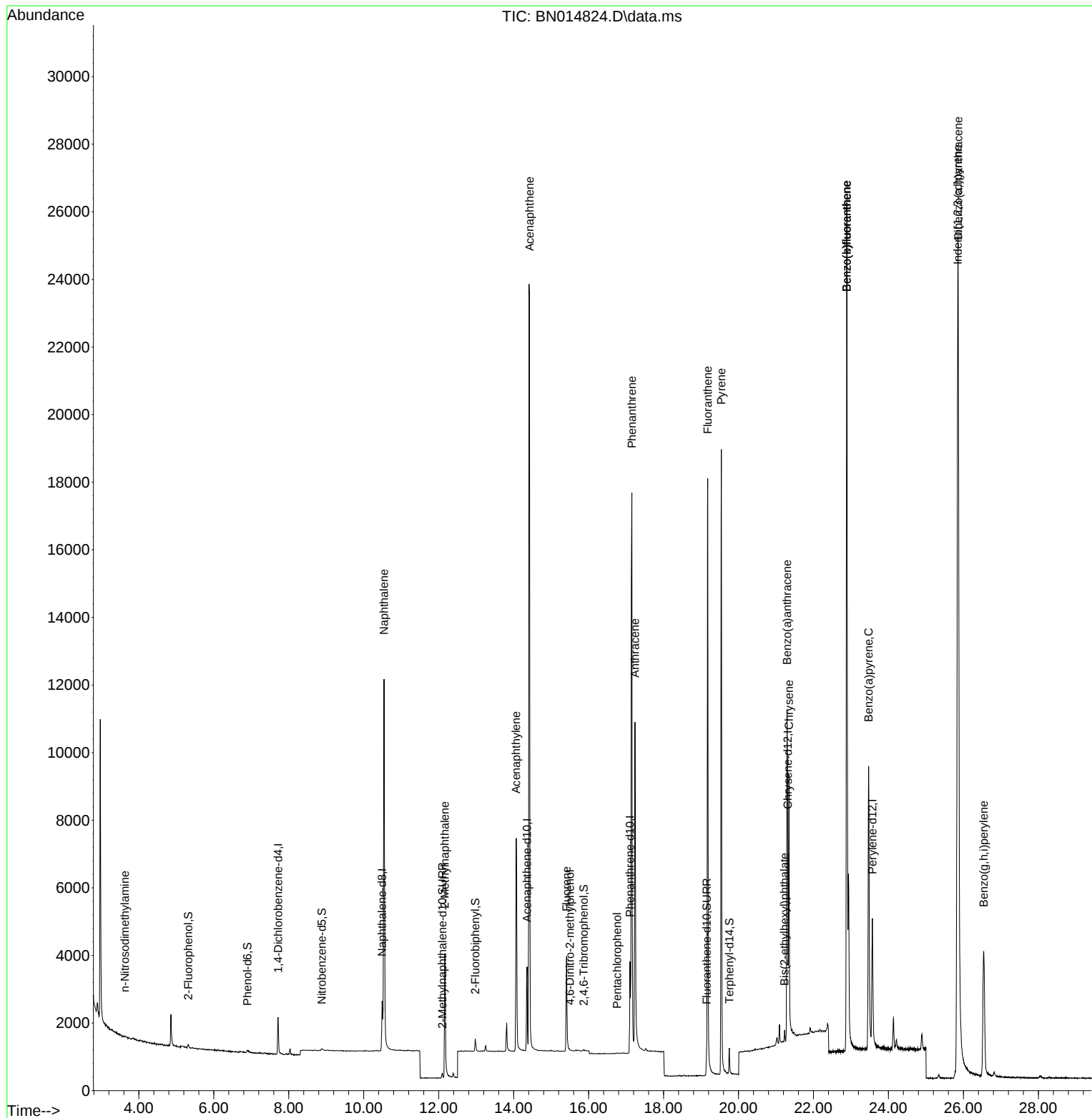
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	586	0.40	ng	0.00
7) Naphthalene-d8	10.492	136	2113	0.40	ng	0.00
13) Acenaphthene-d10	14.359	164	1599	0.40	ng	0.01
19) Phenanthrene-d10	17.104	188	3932	0.40	ng	0.00
29) Chrysene-d12	21.314	240	5348	0.40	ng	0.01
35) Perylene-d12	23.571	264	5483	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.316	112	102	0.07	ng	0.00
5) Phenol-d6	6.895	99	104	0.05	ng	0.00
8) Nitrobenzene-d5	8.883	82	135	0.08	ng	0.03
11) 2-Methylnaphthalene-d10	12.097	152	251	0.06	ng	0.00
14) 2,4,6-Tribromophenol	15.869	330	37	0.04	ng	0.01
15) 2-Fluorobiphenyl	12.976	172	389	0.07	ng	0.00
27) Fluoranthene-d10	19.148	212	852	0.06	ng	0.00
31) Terphenyl-d14	19.754	244	939	0.07	ng	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.327	88	16	Below Cal	#	1
3) n-Nitrosodimethylamine	3.625	42	16	0.09 ng	#	75
9) Naphthalene	10.543	128	14984	2.57 ng	#	90
12) 2-Methylnaphthalene	12.164	142	3094	0.75 ng		98
16) Acenaphthylene	14.067	152	8098	1.33 ng		98
17) Acenaphthene	14.422	154	13664	3.05 ng		99
18) Fluorene	15.412	166	2145	0.35 ng		99
20) 4,6-Dinitro-2-methylph...	15.501	198	4	0.24 ng	#	58
24) Pentachlorophenol	16.763	266	4	0.24 ng	#	24
25) Phenanthrene	17.153	178	19722	1.77 ng		99
26) Anthracene	17.238	178	11762	1.28 ng		97
28) Fluoranthene	19.178	202	18051	1.19 ng		100
30) Pyrene	19.541	202	17638	1.15 ng		100
32) Benzo(a)anthracene	21.292	228	8190	0.55 ng		99
33) Chrysene	21.345	228	6788	0.37 ng		99
34) Bis(2-ethylhexyl)phtha...	21.229	149	293	0.07 ng	#	95
36) Indeno(1,2,3-cd)pyrene	25.847	276	31036	1.38 ng		99
37) Benzo(b)fluoranthene	22.887	252	33311	1.67 ng		94
38) Benzo(k)fluoranthene	22.887	252	33311	1.55 ng		92
39) Benzo(a)pyrene	23.472	252	13395	0.77 ng		93
40) Dibenzo(a,h)anthracene	25.861	278	30375	1.62 ng	#	93
41) Benzo(g,h,i)perylene	26.542	276	9011	0.43 ng		99

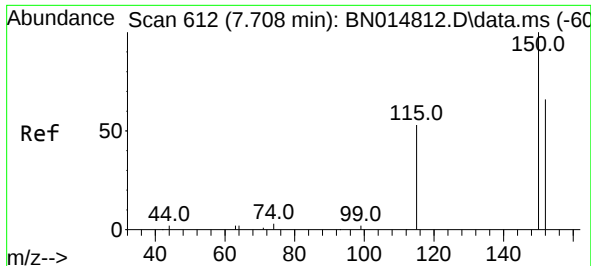
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN014824.D
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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
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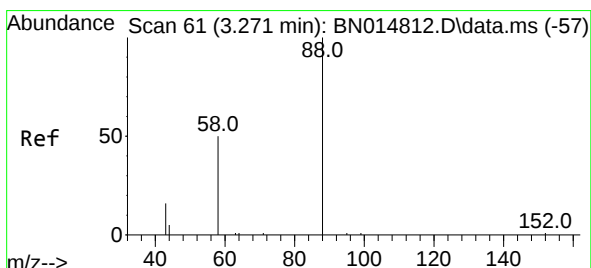
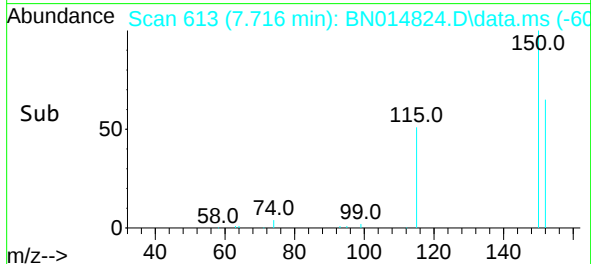
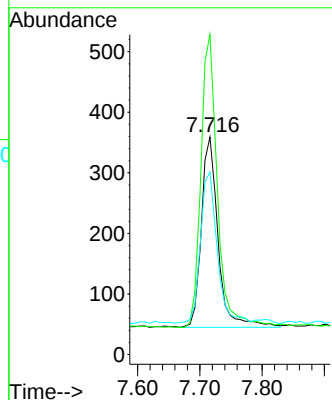
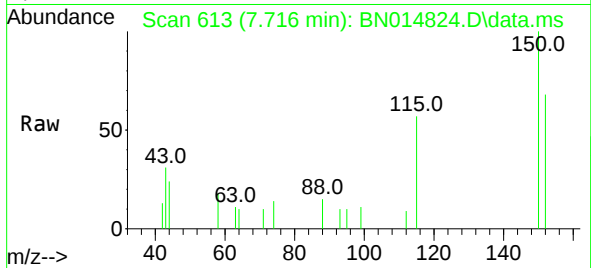




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.716 min Scan# 613
Delta R.T. 0.008 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

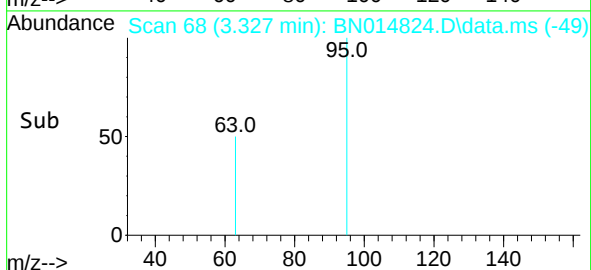
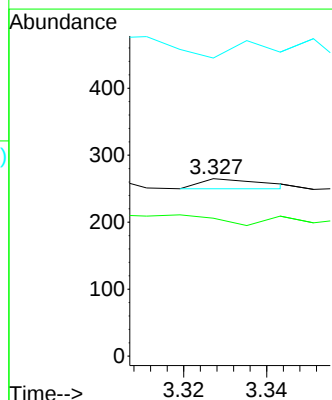
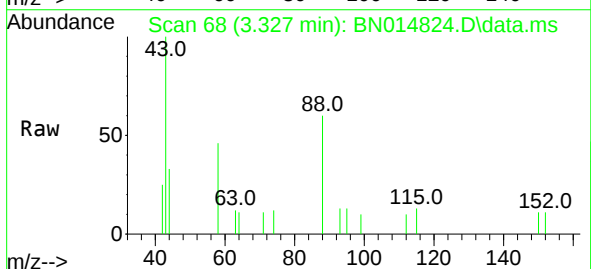
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

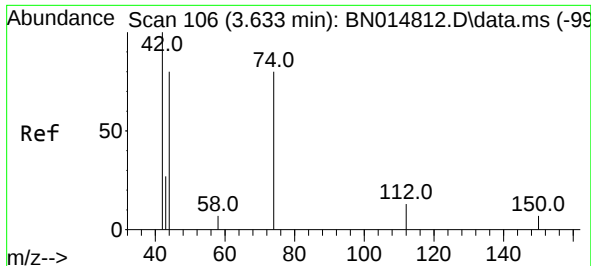
Tgt Ion:152 Resp: 586
Ion Ratio Lower Upper
152 100
150 147.1 123.4 185.2
115 83.8 73.2 109.8



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.327 min Scan# 68
Delta R.T. 0.056 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion: 88 Resp: 16
Ion Ratio Lower Upper
88 100
58 0.0 44.7 67.1#
43 106.3 21.0 31.6#

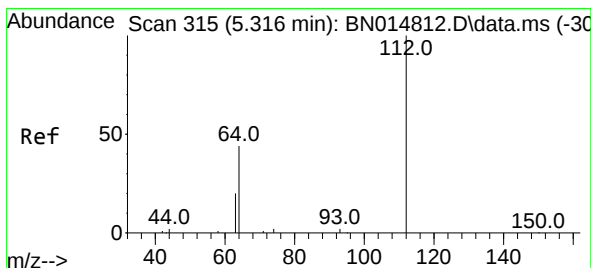
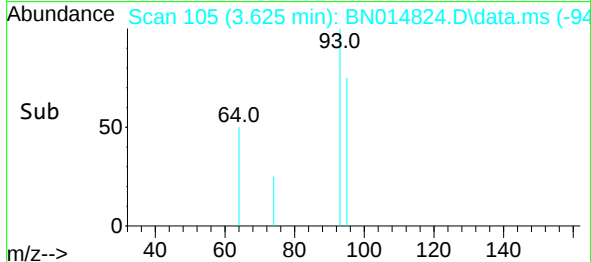
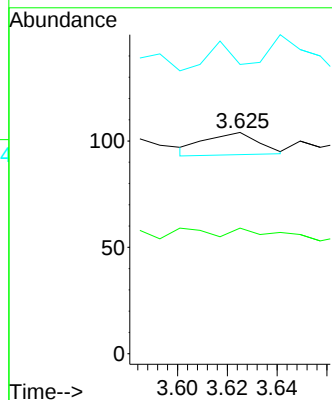
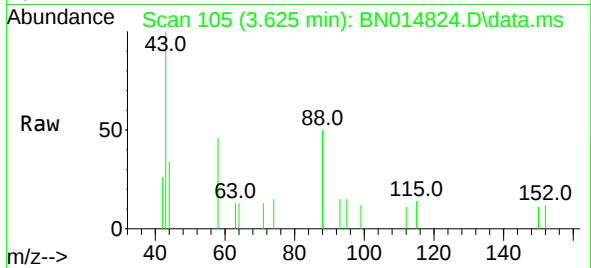




#3
n-Nitrosodimethylamine
Concen: 0.09 ng
RT: 3.625 min Scan# 105
Delta R.T. -0.008 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

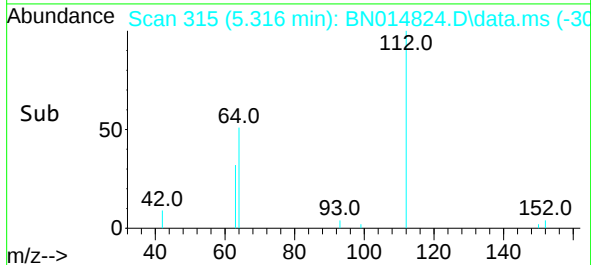
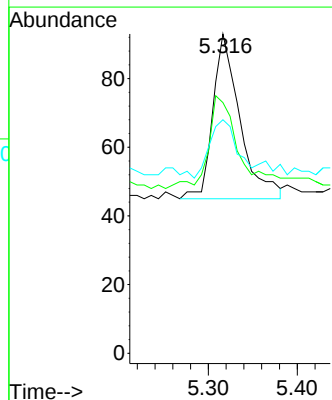
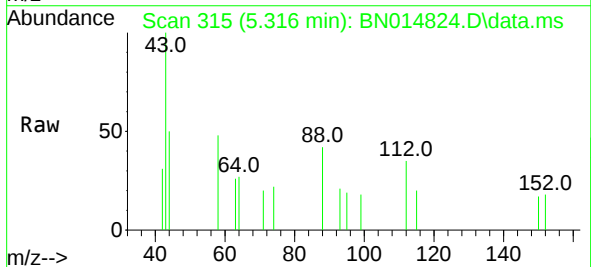
Instrument :
BNA_N
ClientSampleId :
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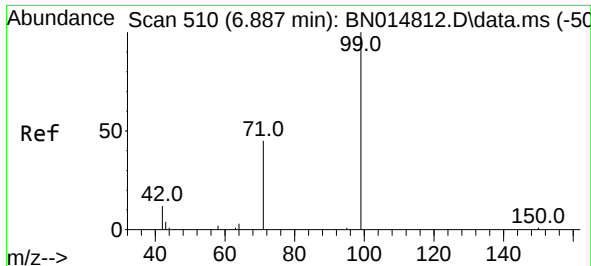
Tgt Ion: 42 Resp: 16
Ion Ratio Lower Upper
42 100
74 50.0 0.0 0.0#
44 75.0 80.0 120.0#



#4
2-Fluorophenol
Concen: 0.07 ng
RT: 5.316 min Scan# 315
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion: 112 Resp: 102
Ion Ratio Lower Upper
112 100
64 62.7 43.6 65.4
63 37.3 25.0 37.6

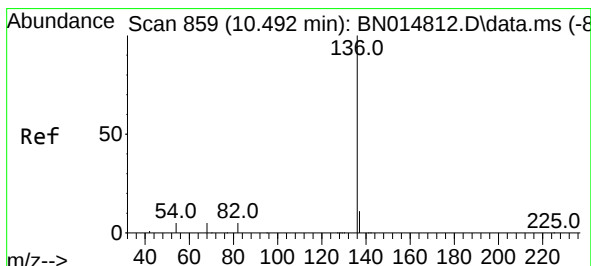
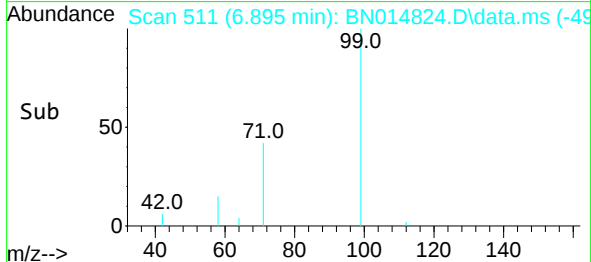
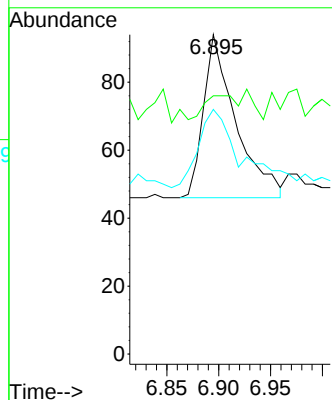
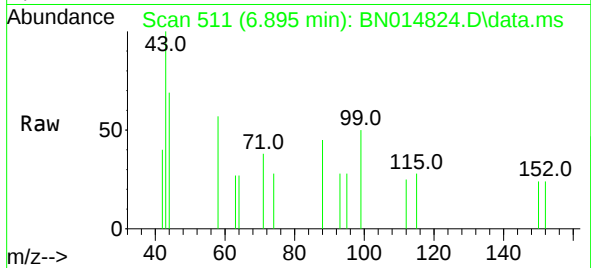




#5
Phenol-d6
Concen: 0.05 ng
RT: 6.895 min Scan# 511
Delta R.T. 0.008 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

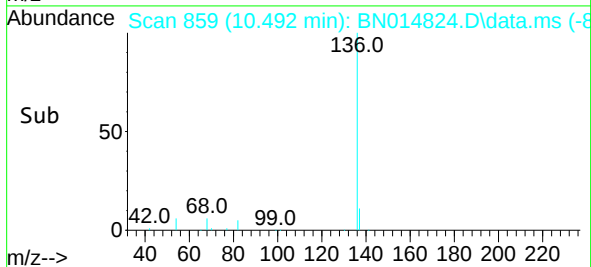
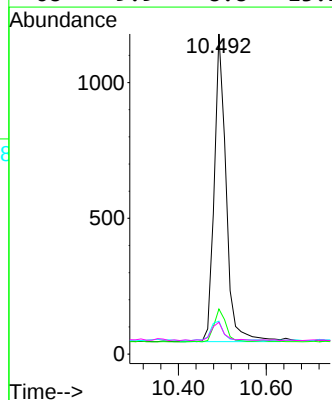
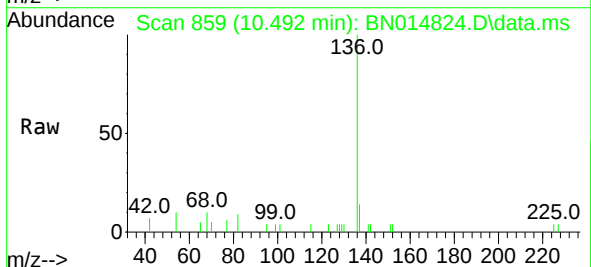
Instrument :
BNA_N
ClientSampleId :
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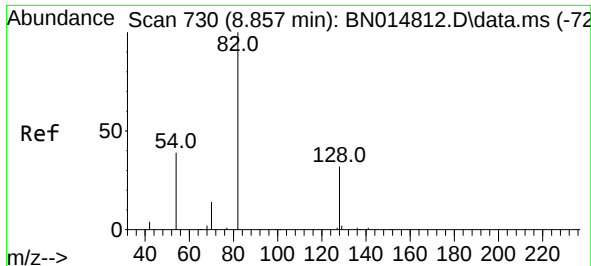
Tgt Ion: 99 Resp: 104
Ion Ratio Lower Upper
99 100
42 0.0 10.2 15.2#
71 58.7 32.4 48.6#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.492 min Scan# 859
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion: 136 Resp: 2113
Ion Ratio Lower Upper
136 100
137 14.1 13.2 19.8
54 10.3 9.0 13.4
68 9.9 8.8 13.2

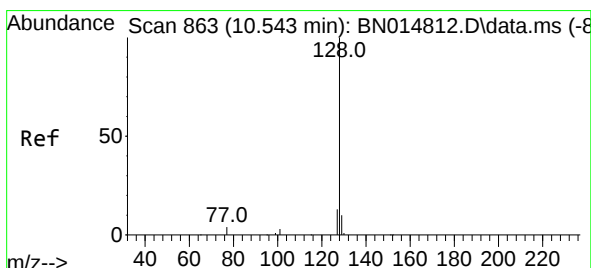
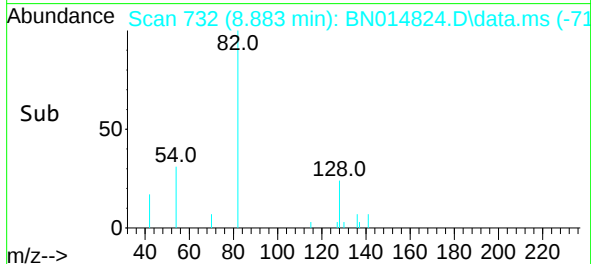
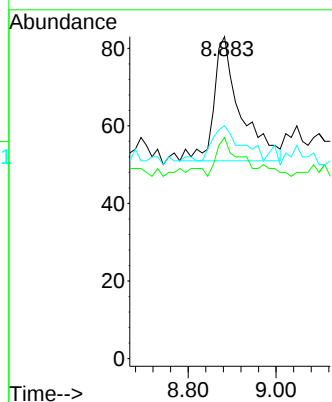
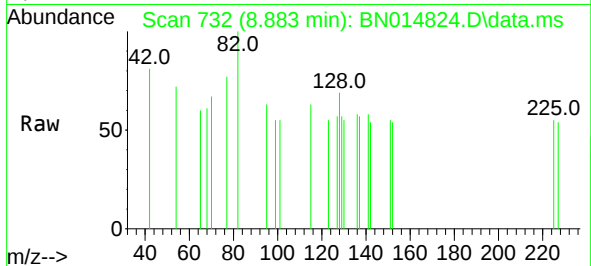




#8
Nitrobenzene-d5
Concen: 0.08 ng
RT: 8.883 min Scan# 732
Delta R.T. 0.025 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

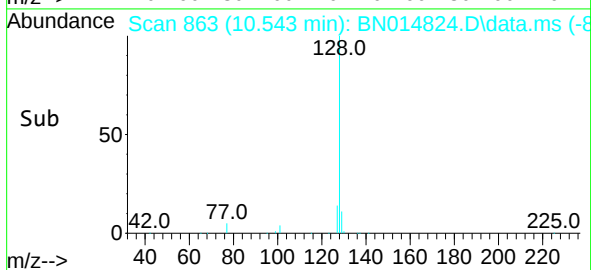
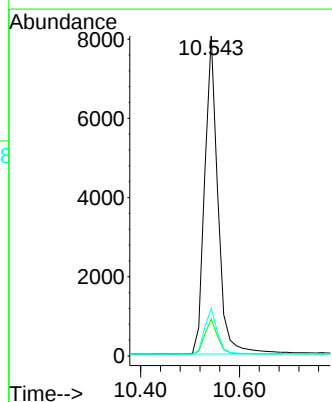
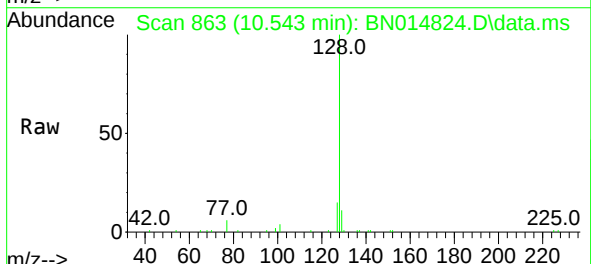
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

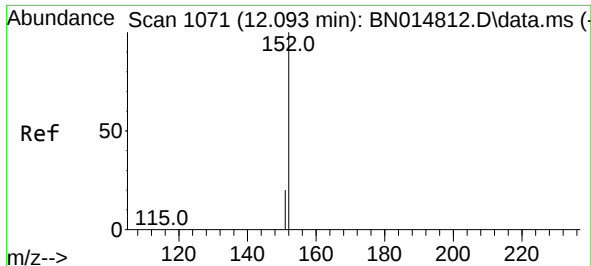
Tgt Ion: 82 Resp: 135
Ion Ratio Lower Upper
82 100
128 68.7 34.2 51.2#
54 72.3 38.4 57.6#



#9
Naphthalene
Concen: 2.57 ng
RT: 10.543 min Scan# 863
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion: 128 Resp: 14984
Ion Ratio Lower Upper
128 100
129 11.5 13.0 19.4#
127 14.9 15.0 22.6#

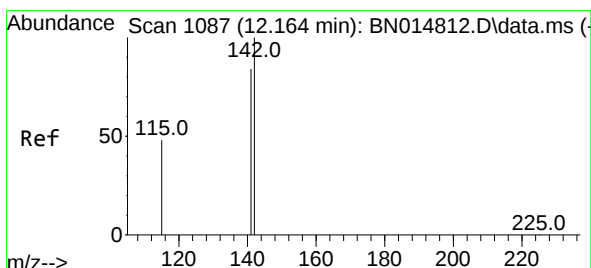
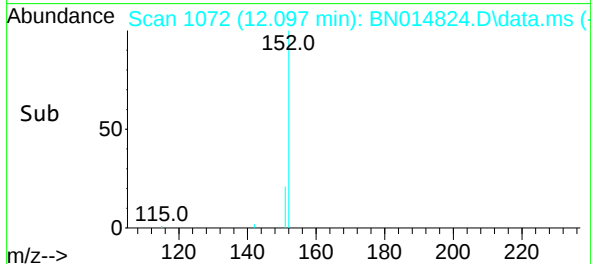
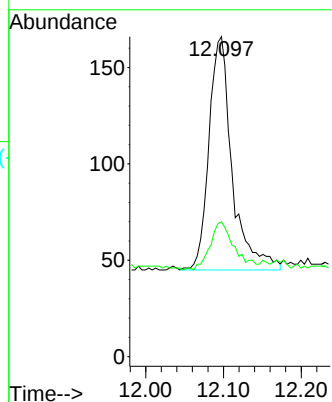
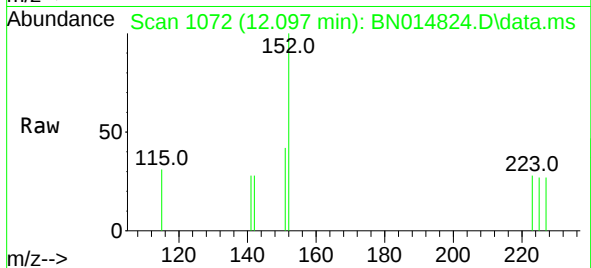




#11
2-Methylnaphthalene-d10
Concen: 0.06 ng
RT: 12.097 min Scan# 1072
Delta R.T. 0.004 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

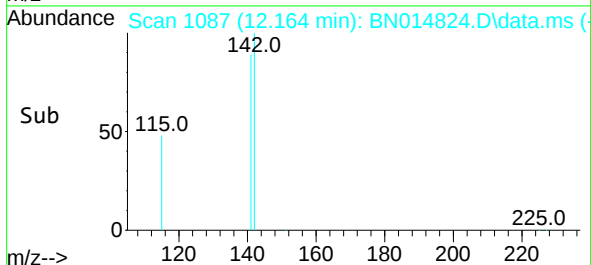
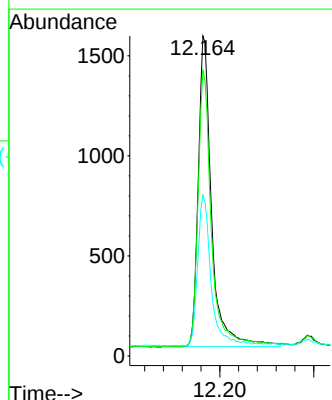
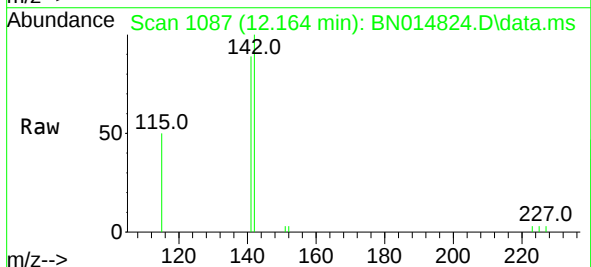
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BNA_N
ClientSampled :
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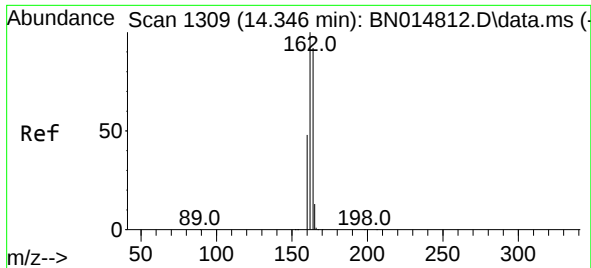
Tgt Ion:152 Resp: 251
Ion Ratio Lower Upper
152 100
151 21.5 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.75 ng
RT: 12.164 min Scan# 1087
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:142 Resp: 3094
Ion Ratio Lower Upper
142 100
141 89.2 72.9 109.3
115 50.2 41.8 62.6

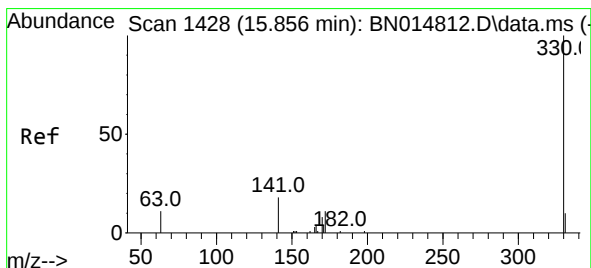
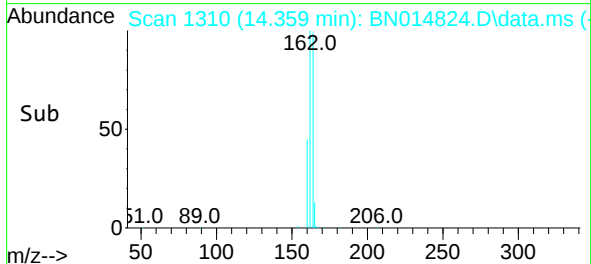
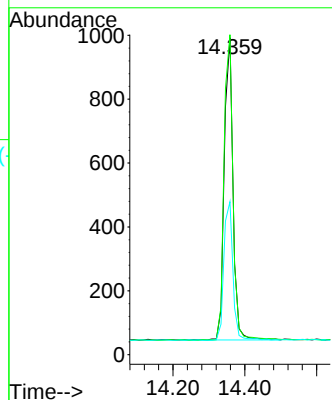
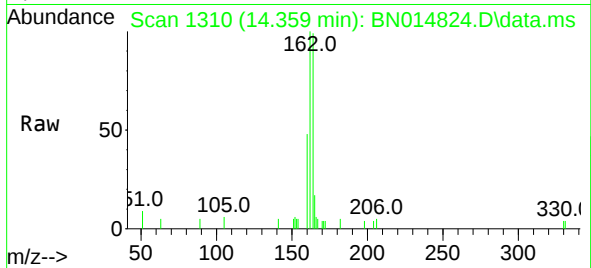




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.359 min Scan# 1310
Delta R.T. 0.013 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

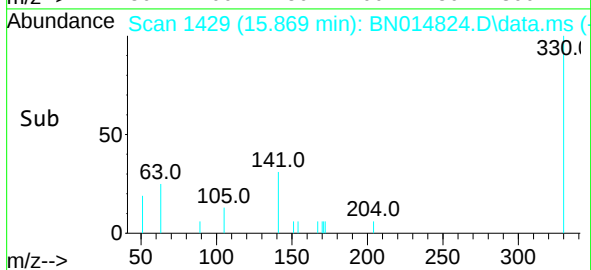
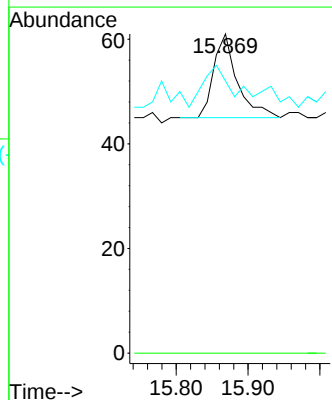
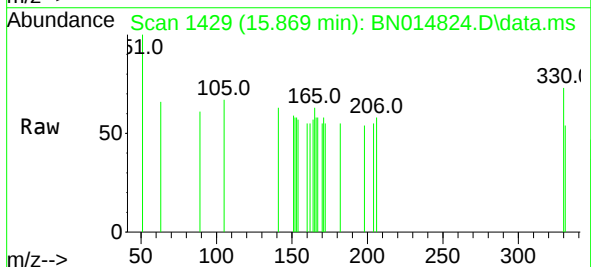
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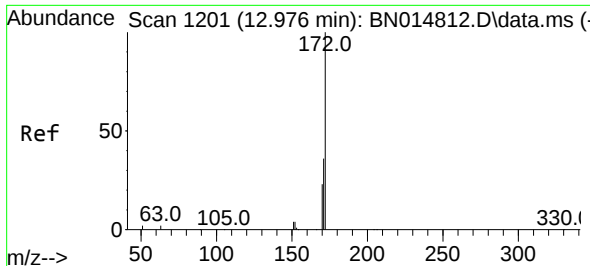
Tgt Ion:164 Resp: 1599
Ion Ratio Lower Upper
164 100
162 100.9 83.2 124.8
160 48.2 41.8 62.6



#14
2,4,6-Tribromophenol
Concen: 0.04 ng
RT: 15.869 min Scan# 1429
Delta R.T. 0.013 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:330 Resp: 37
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 62.2 21.8 32.6#

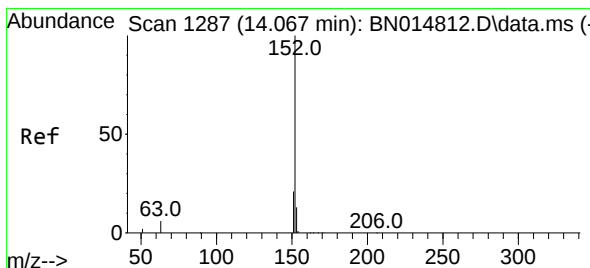
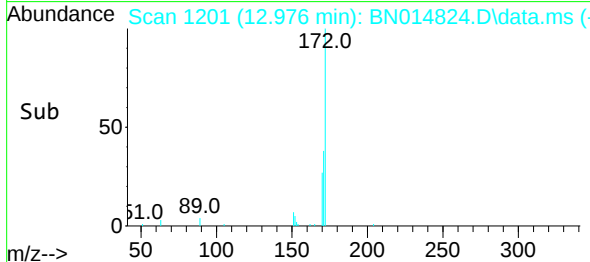
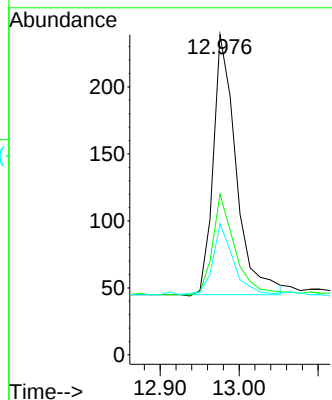
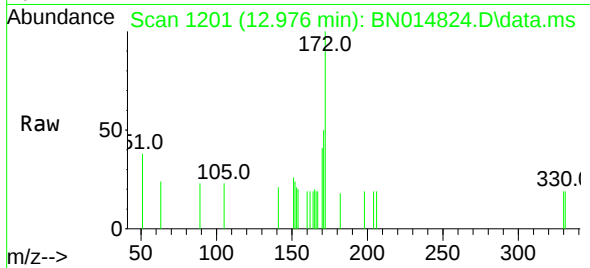




#15
2-Fluorobiphenyl
Concen: 0.07 ng
RT: 12.976 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

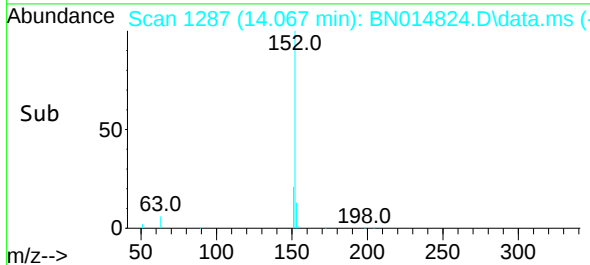
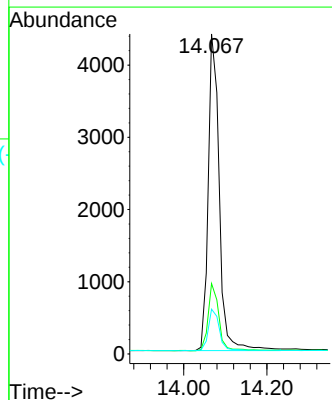
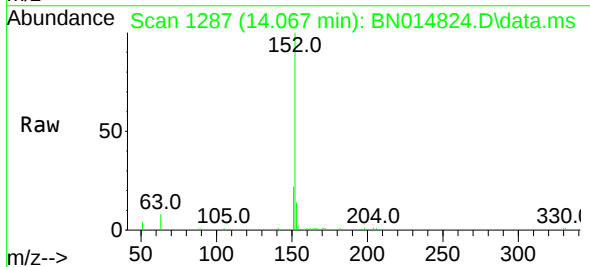
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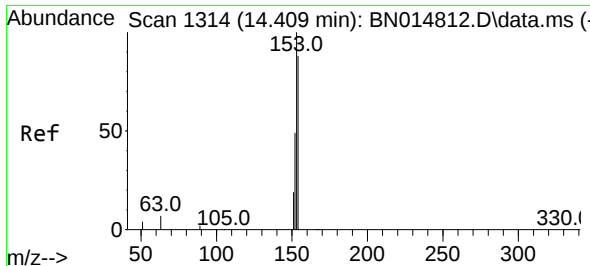
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Ion Ratio Lower Upper
172 100
171 50.2 30.9 46.3#
170 41.0 21.4 32.0#



#16
Acenaphthylene
Concen: 1.33 ng
RT: 14.067 min Scan# 1287
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:152 Resp: 8098
Ion Ratio Lower Upper
152 100
151 20.7 17.1 25.7
153 13.5 9.9 14.9

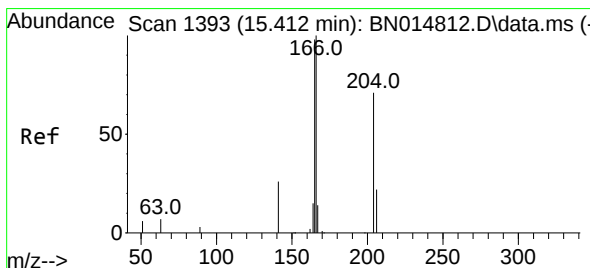
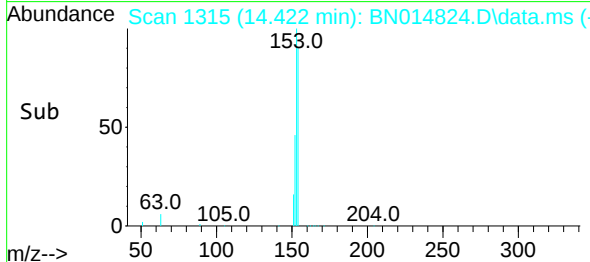
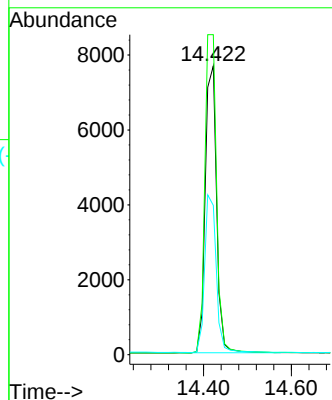
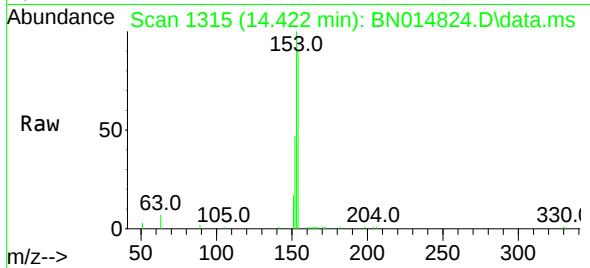




#17
Acenaphthene
Concen: 3.05 ng
RT: 14.422 min Scan# 1315
Delta R.T. 0.013 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

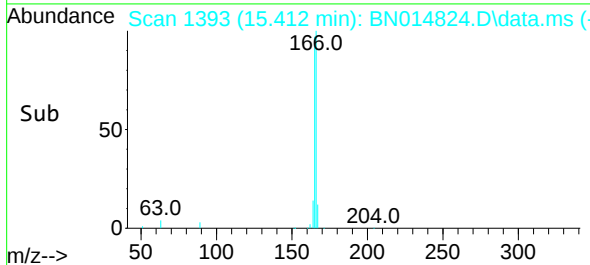
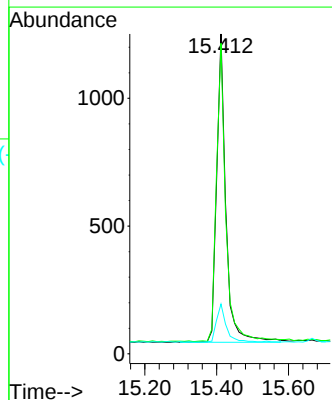
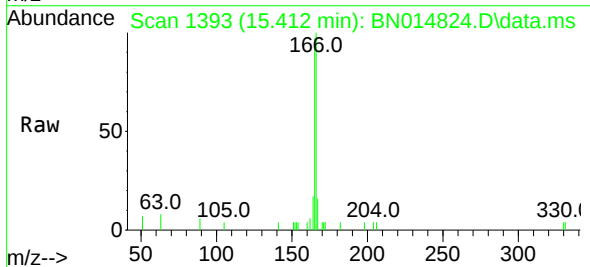
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

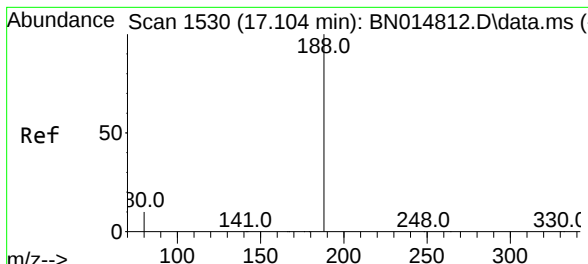
Tgt Ion:154 Resp: 13664
Ion Ratio Lower Upper
154 100
153 115.1 91.8 137.8
152 56.0 46.0 69.0



#18
Fluorene
Concen: 0.35 ng
RT: 15.412 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:166 Resp: 2145
Ion Ratio Lower Upper
166 100
165 98.5 79.9 119.9
167 12.9 10.5 15.7

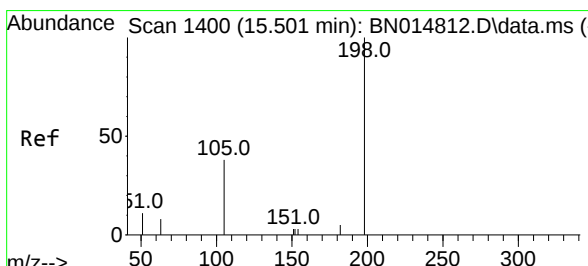
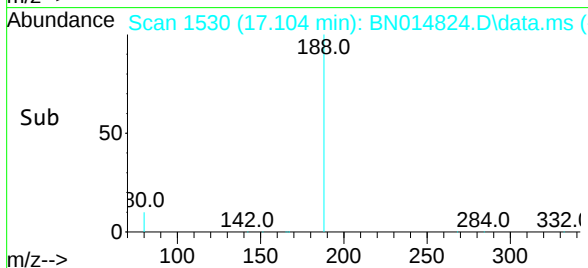
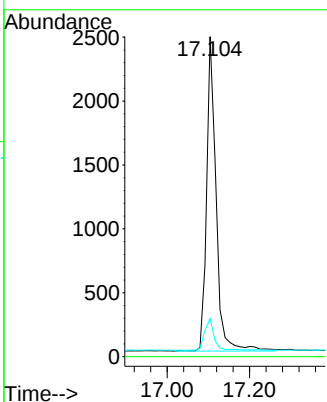
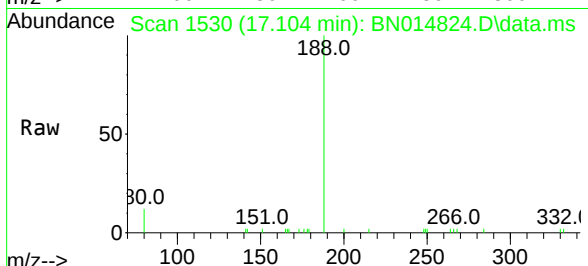




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.104 min Scan# 1530
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

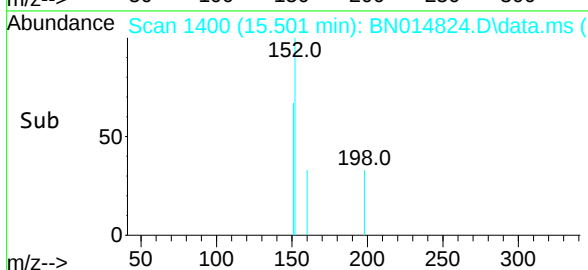
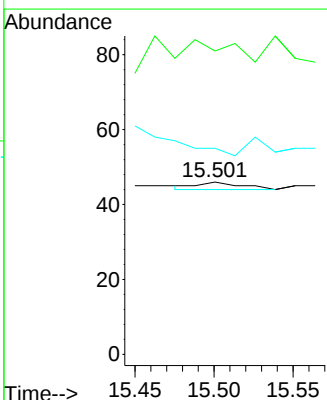
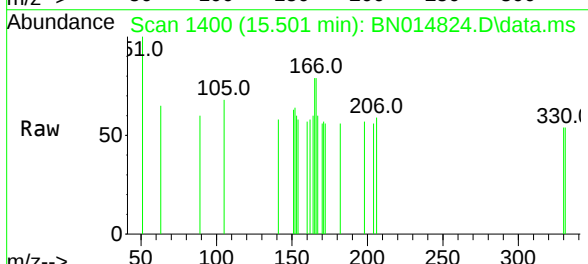
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

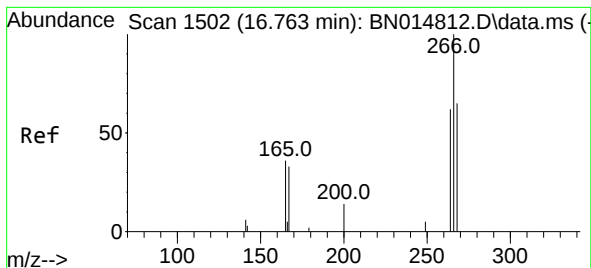
Tgt Ion:188	Resp:	3932
Ion Ratio	Lower	Upper
188	100	
94	0.0	0.0
80	11.9	8.2



#20
4,6-Dinitro-2-methylphenol
Concen: 0.24 ng
RT: 15.501 min Scan# 1400
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:198	Resp:	4
Ion Ratio	Lower	Upper
198	100	
51	176.1	96.4
105	119.6	72.3

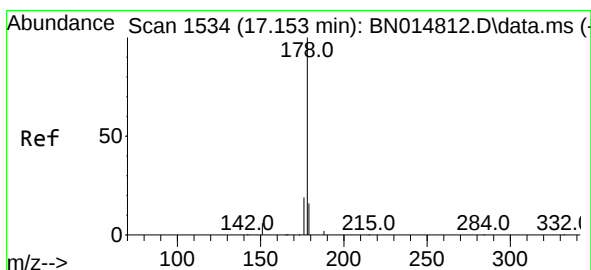
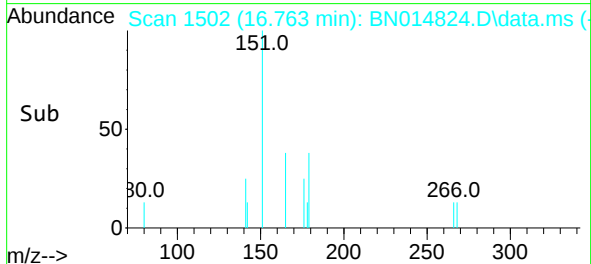
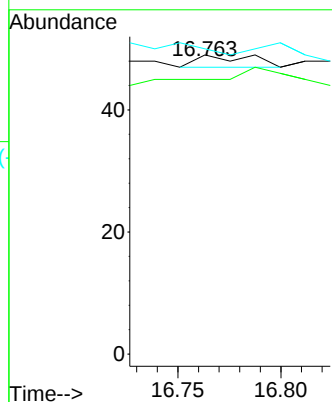
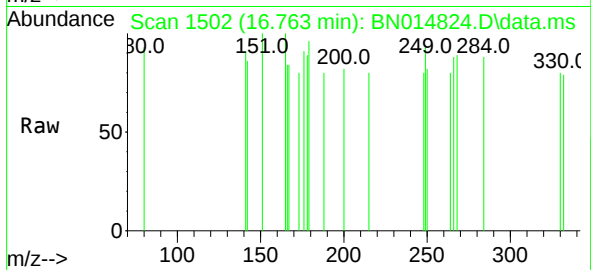




#24
Pentachlorophenol
Concen: 0.24 ng
RT: 16.763 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

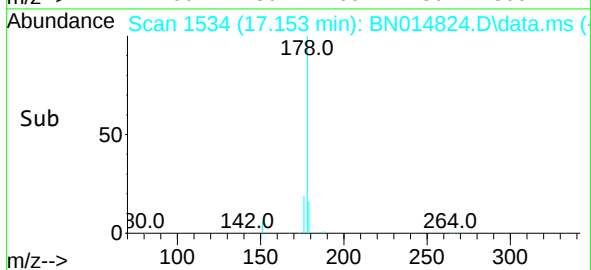
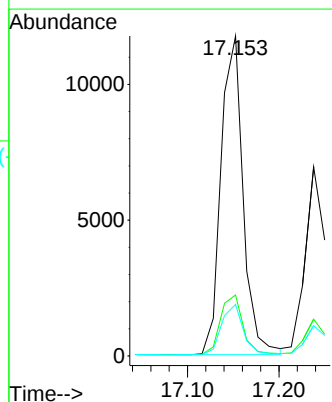
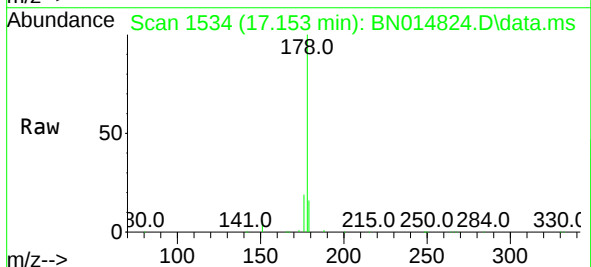
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

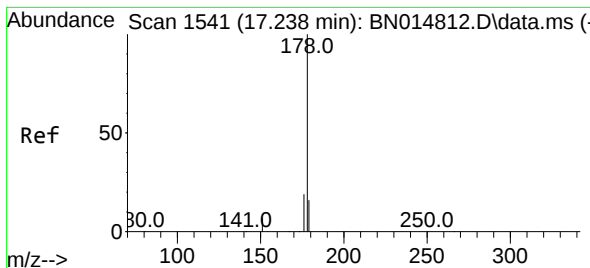
Tgt Ion:266 Resp: 4
Ion Ratio Lower Upper
266 100
264 0.0 44.2 66.2#
268 0.0 44.2 66.2#



#25
Phenanthrene
Concen: 1.77 ng
RT: 17.153 min Scan# 1534
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:178 Resp: 19722
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.5 12.6 19.0

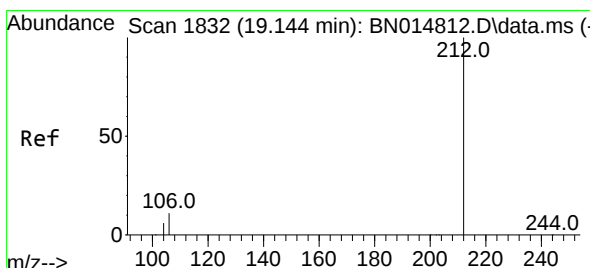
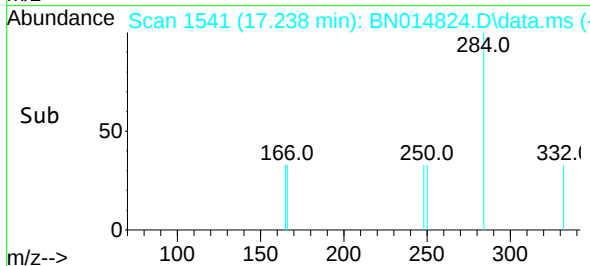
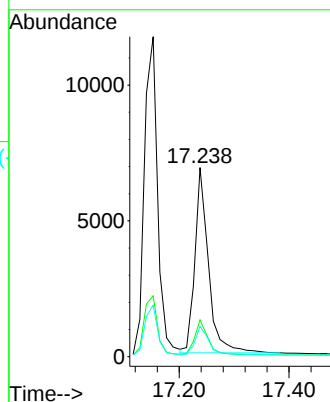
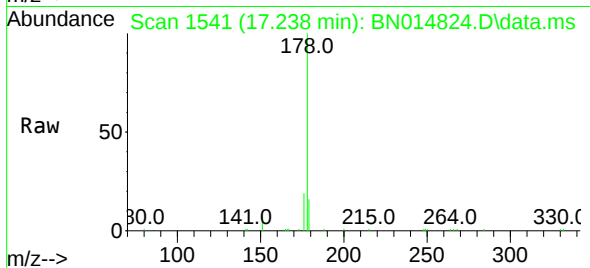




#26
 Anthracene
 Concen: 1.28 ng
 RT: 17.238 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: BN014824.D
 Acq: 02 Jun 2021 14:39

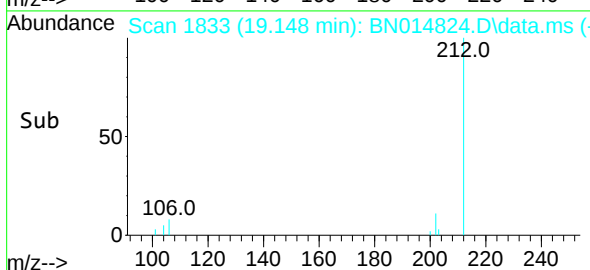
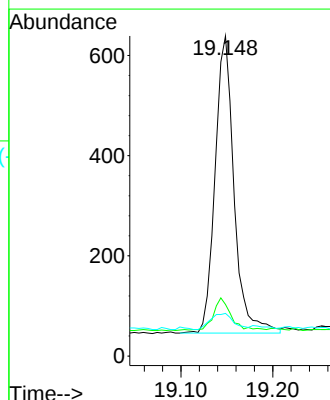
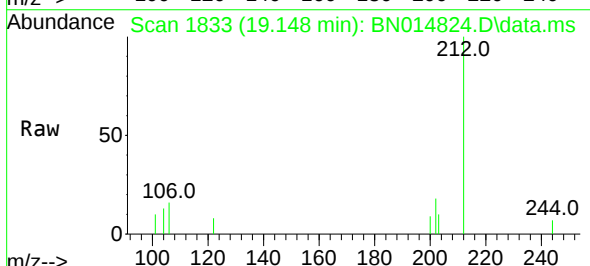
Instrument :
 BNA_N
 ClientSampleId :
 PT-PAH-SOILD

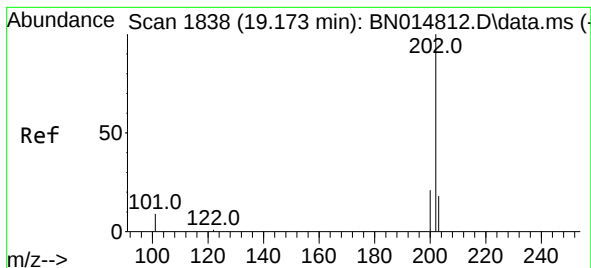
Tgt Ion:	178	Resp:	11762
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.2	21.2
179	15.5	13.7	20.5



#27
 Fluoranthene-d10
 Concen: 0.06 ng
 RT: 19.148 min Scan# 1833
 Delta R.T. 0.005 min
 Lab File: BN014824.D
 Acq: 02 Jun 2021 14:39

Tgt Ion:	212	Resp:	852
Ion	Ratio	Lower	Upper
212	100		
106	10.3	7.4	11.2
104	6.6	4.1	6.1#

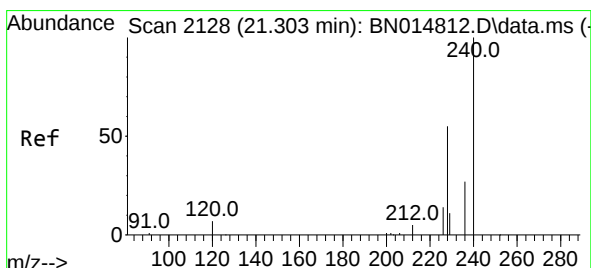
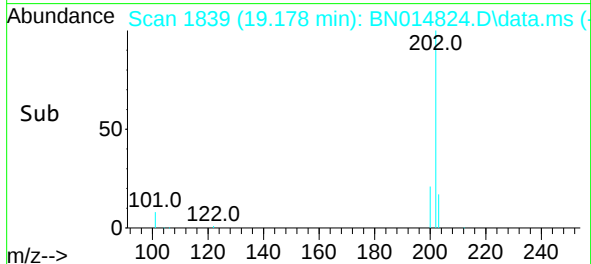
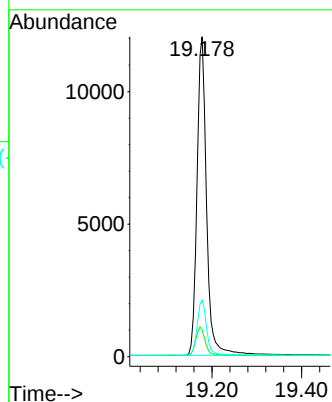
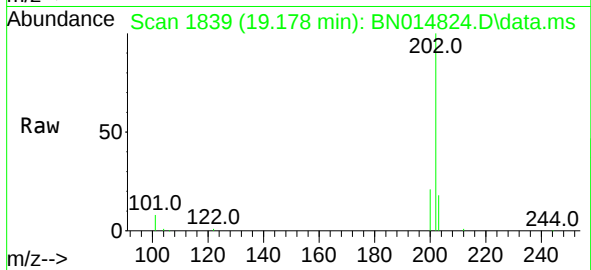




#28
Fluoranthene
Concen: 1.19 ng
RT: 19.178 min Scan# 1839
Delta R.T. 0.005 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

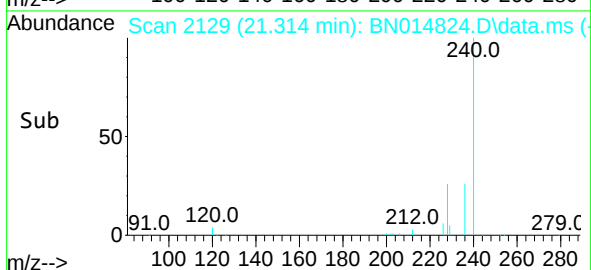
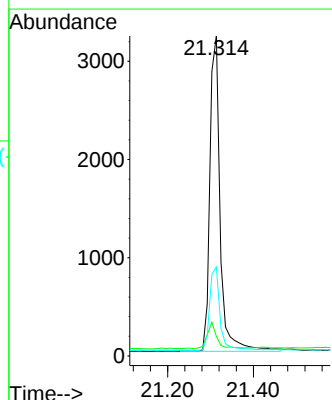
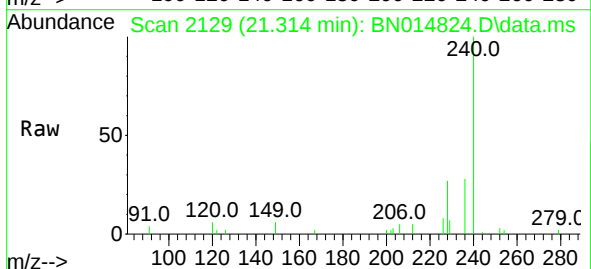
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

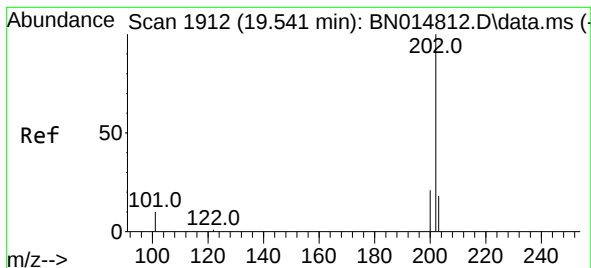
Tgt Ion:202 Resp: 18051
Ion Ratio Lower Upper
202 100
101 8.8 7.0 10.6
203 17.1 13.5 20.3



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.314 min Scan# 2129
Delta R.T. 0.011 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:240 Resp: 5348
Ion Ratio Lower Upper
240 100
120 6.1 5.2 7.8
236 27.8 21.6 32.4





#30

Pyrene

Concen: 1.15 ng

RT: 19.541 min Scan# 1912

Delta R.T. -0.000 min

Lab File: BN014824.D

Acq: 02 Jun 2021 14:39

Tgt Ion:202 Resp: 17638

Ion Ratio Lower Upper

202 100

200 21.0 16.6 24.8

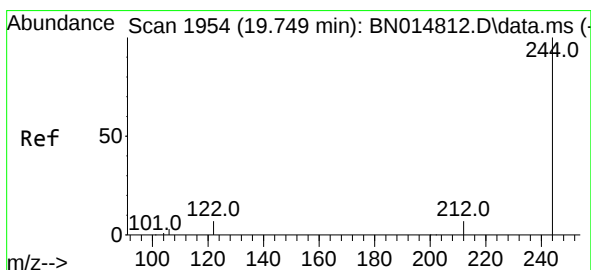
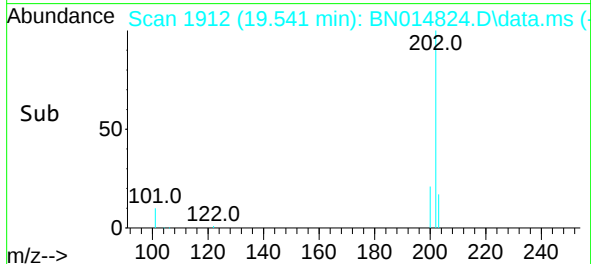
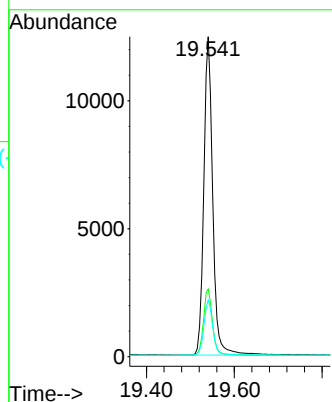
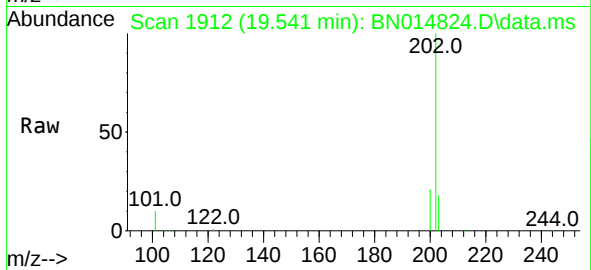
203 17.4 13.9 20.9

Instrument :

BNA_N

ClientSampleId :

PT-PAH-SOILDL



#31

Terphenyl-d14

Concen: 0.07 ng

RT: 19.754 min Scan# 1955

Delta R.T. 0.005 min

Lab File: BN014824.D

Acq: 02 Jun 2021 14:39

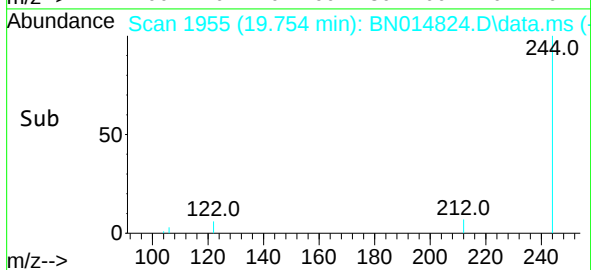
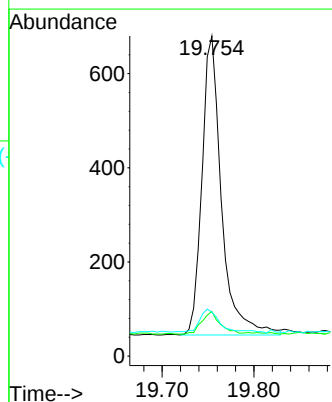
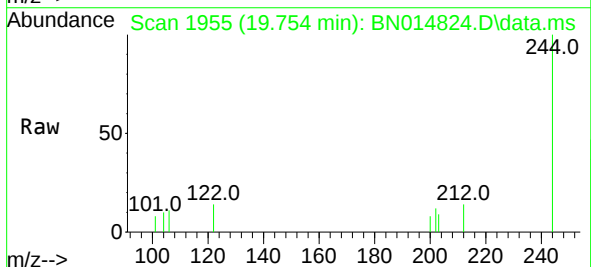
Tgt Ion:244 Resp: 939

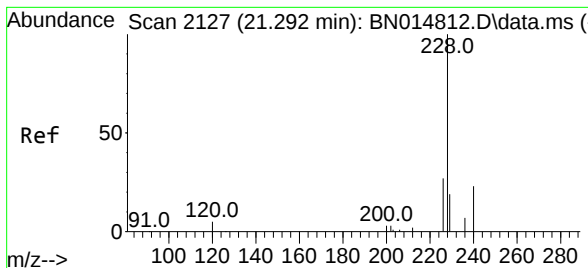
Ion Ratio Lower Upper

244 100

212 14.0 6.8 10.2#

122 13.7 6.6 9.8#

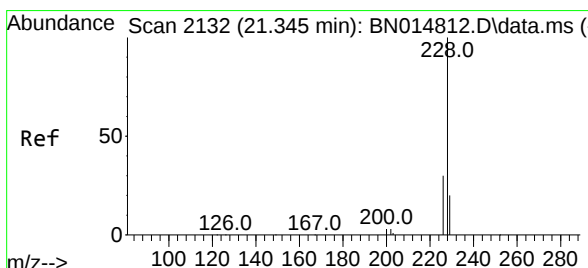
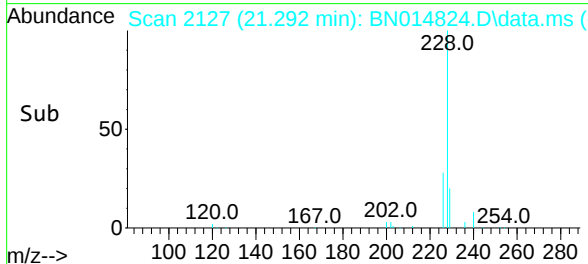
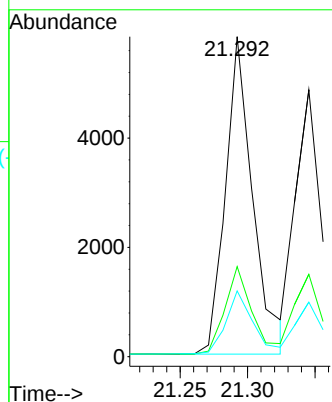
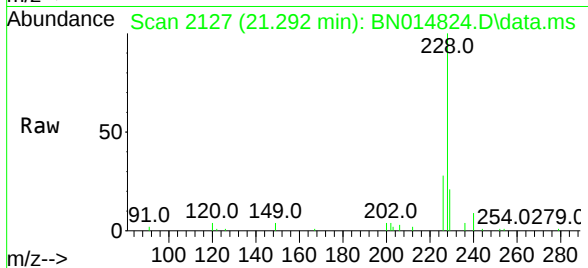




#32
Benzo(a)anthracene
Concen: 0.55 ng
RT: 21.292 min Scan# 2127
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

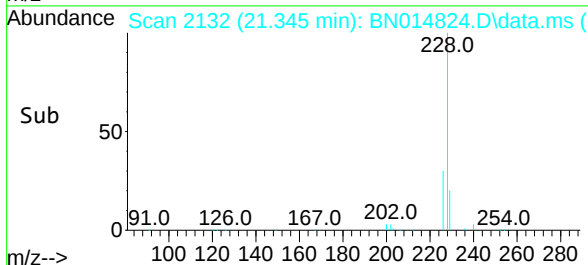
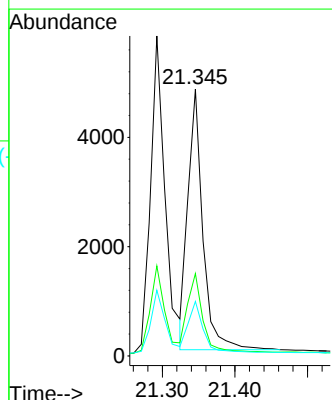
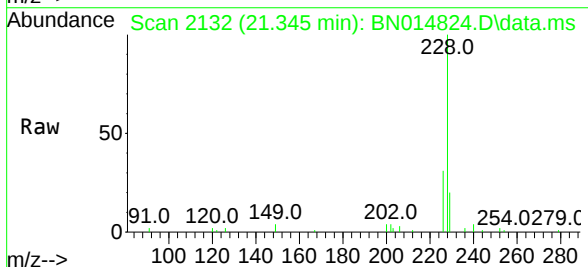
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

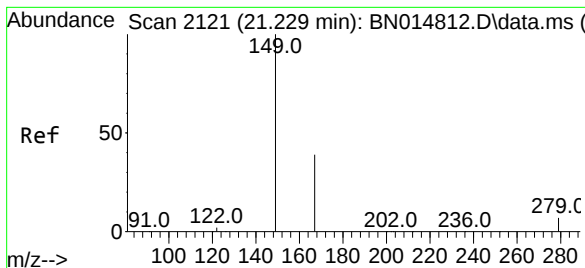
Tgt Ion:	228	Resp:	8190
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.9	34.3
229	20.5	16.2	24.2



#33
Chrysene
Concen: 0.37 ng
RT: 21.345 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:	228	Resp:	6788
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.3	36.5
229	20.4	16.4	24.6

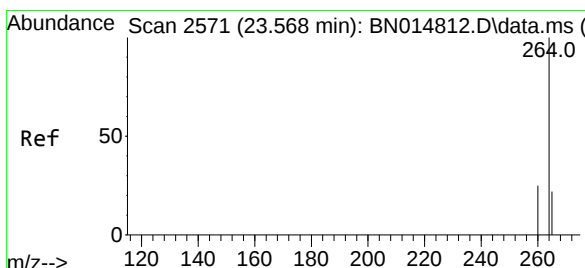
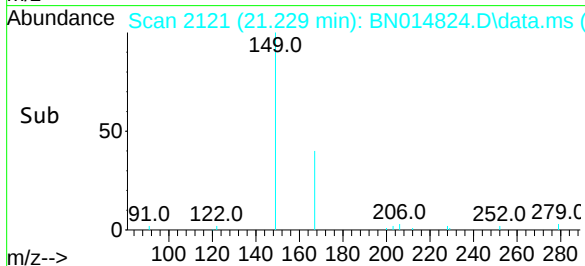
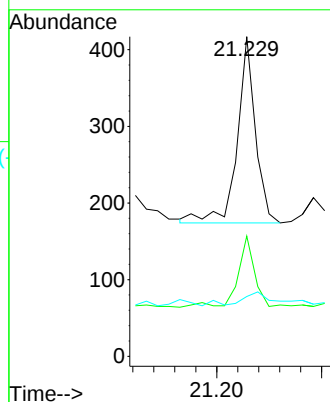
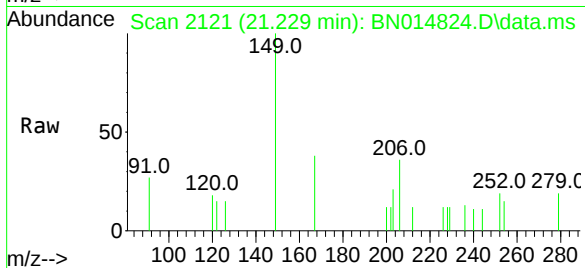




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.07 ng
RT: 21.229 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

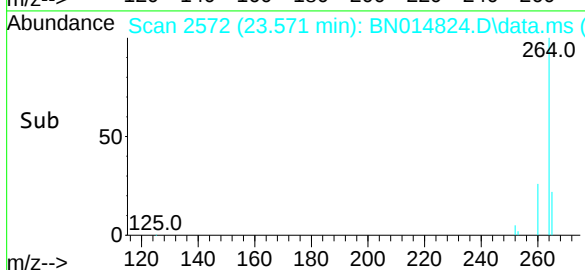
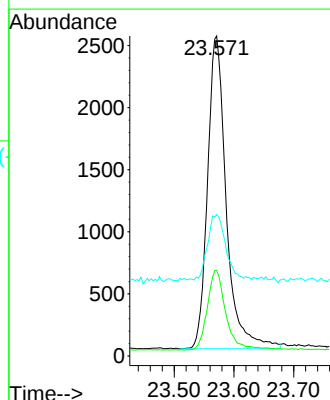
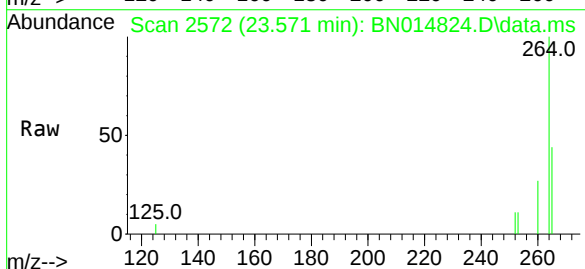
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL

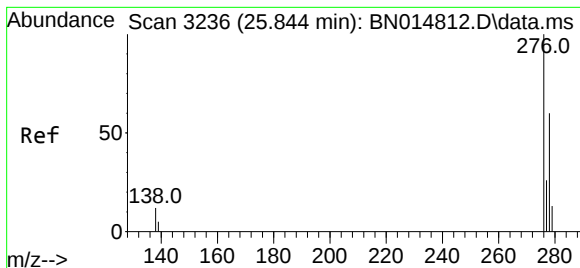
Tgt Ion:149 Resp: 293
Ion Ratio Lower Upper
149 100
167 36.2 28.3 42.5
279 15.0 5.5 8.3#



#35
Perylene-d12
Concen: 0.40 ng
RT: 23.571 min Scan# 2572
Delta R.T. 0.003 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:264 Resp: 5483
Ion Ratio Lower Upper
264 100
260 26.8 21.4 32.2
265 44.2 40.9 61.3

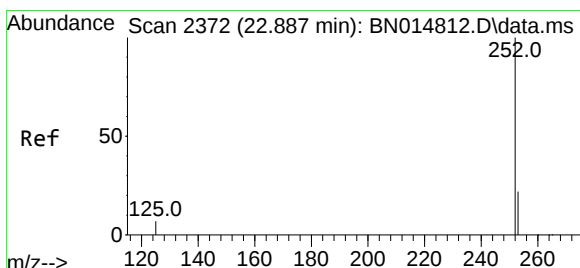
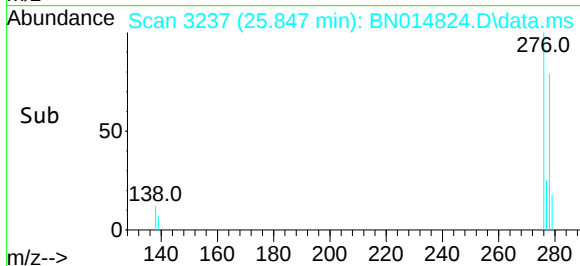
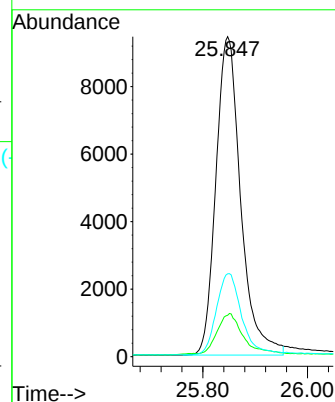
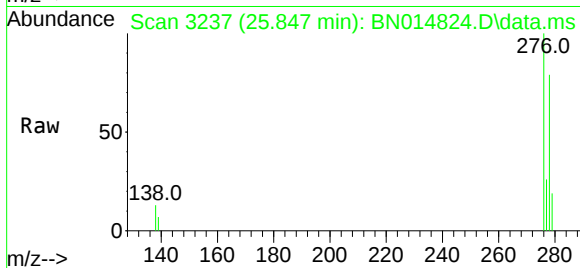




#36
Indeno(1,2,3-cd)pyrene
Concen: 1.38 ng
RT: 25.847 min Scan# 3237
Delta R.T. 0.003 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

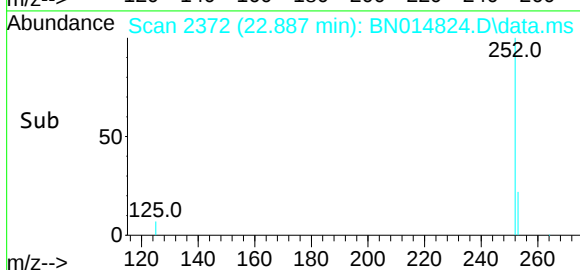
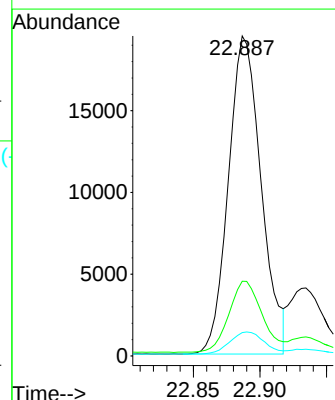
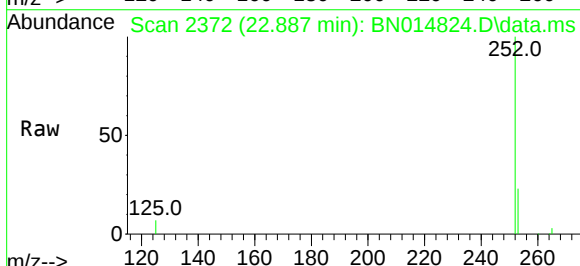
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

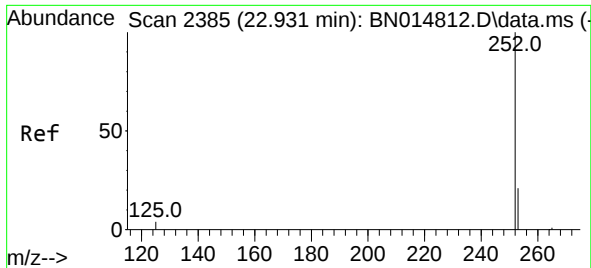
Tgt Ion:276 Resp: 31036
Ion Ratio Lower Upper
276 100
138 12.6 10.2 15.4
277 26.0 20.4 30.6



#37
Benzo(b)fluoranthene
Concen: 1.67 ng
RT: 22.887 min Scan# 2372
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

Tgt Ion:252 Resp: 33311
Ion Ratio Lower Upper
252 100
253 23.4 21.5 32.3
125 7.3 6.6 10.0

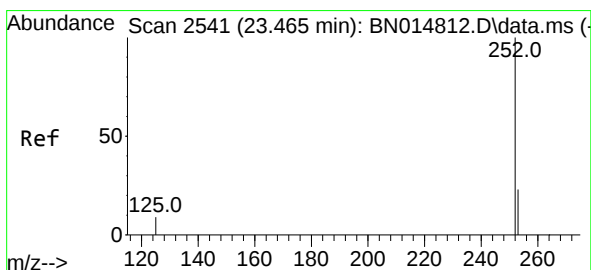
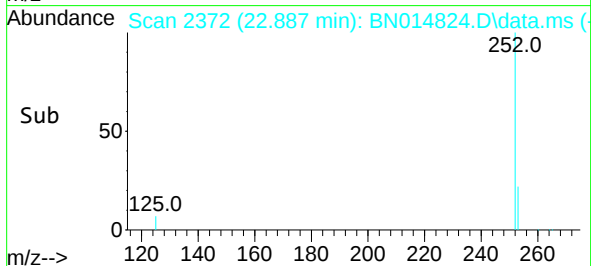
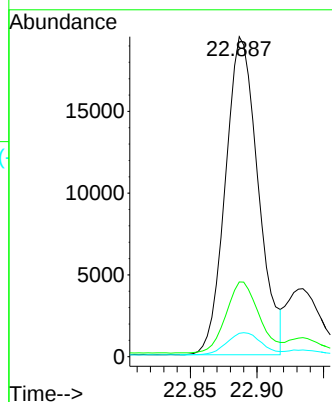
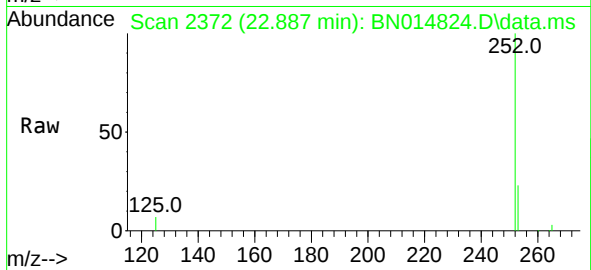




#38
Benzo(k)fluoranthene
Concen: 1.55 ng
RT: 22.887 min Scan# 2372
Delta R.T. -0.045 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

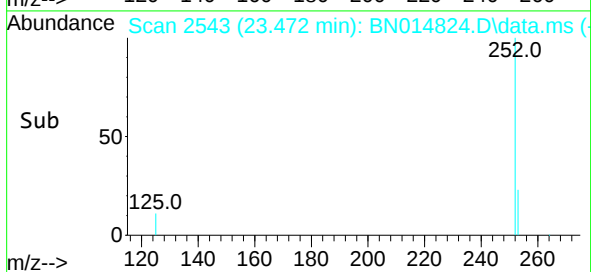
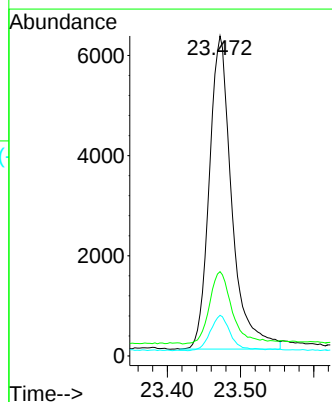
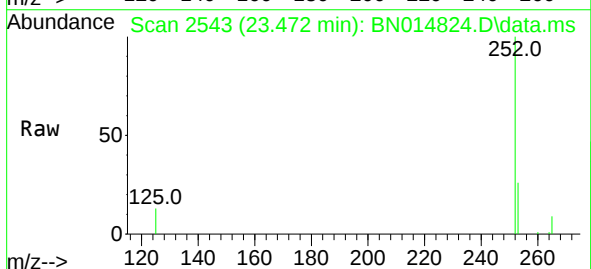
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILD

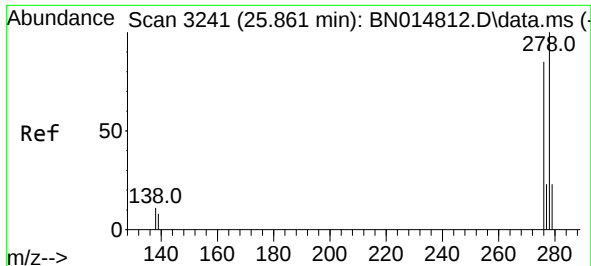
Tgt Ion:252 Resp: 33311
Ion Ratio Lower Upper
252 100
253 23.4 22.7 34.1
125 7.3 6.4 9.6



#39
Benzo(a)pyrene
Concen: 0.77 ng
RT: 23.472 min Scan# 2543
Delta R.T. 0.007 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

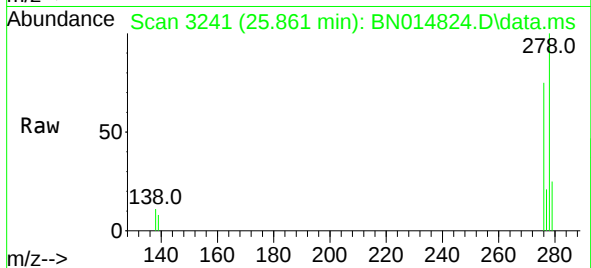
Tgt Ion:252 Resp: 13395
Ion Ratio Lower Upper
252 100
253 26.3 25.1 37.7
125 12.7 9.4 14.0



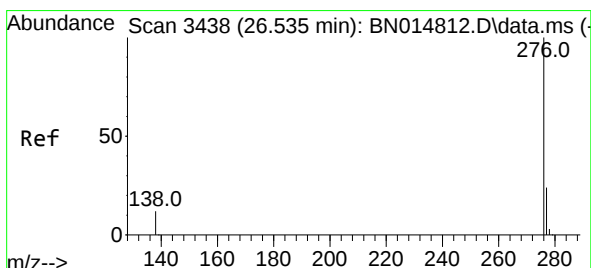
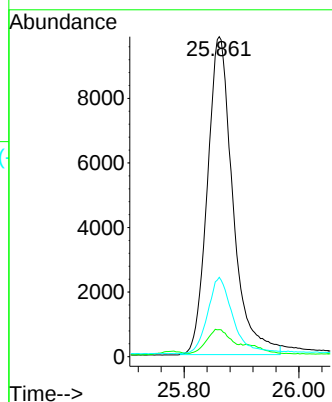
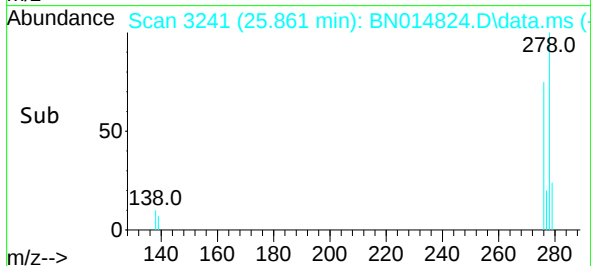


#40
Dibenzo(a,h)anthracene
Concen: 1.62 ng
RT: 25.861 min Scan# 3241
Delta R.T. -0.000 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39

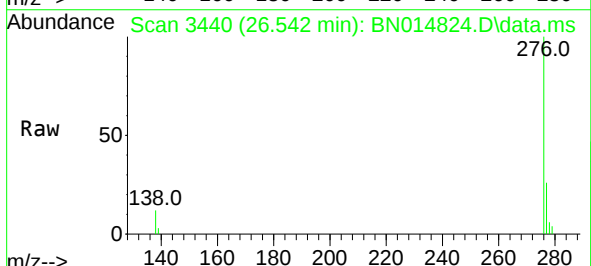
Instrument :
BNA_N
ClientSampleId :
PT-PAH-SOILDL



Tgt Ion:278 Resp: 30375
Ion Ratio Lower Upper
278 100
139 8.4 8.6 13.0#
279 24.8 22.8 34.2



#41
Benzo(g,h,i)perylene
Concen: 0.43 ng
RT: 26.542 min Scan# 3440
Delta R.T. 0.007 min
Lab File: BN014824.D
Acq: 02 Jun 2021 14:39



Tgt Ion:276 Resp: 9011
Ion Ratio Lower Upper
276 100
277 26.2 20.9 31.3
138 12.1 10.3 15.5

