

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040821\
 Data File : BN014240.D
 Acq On : 08 Apr 2021 17:11
 Operator : CG/JU
 Sample : M1557-21
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

Quant Time: Apr 08 17:41:01 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN040821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 08 01:18:45 2021
 Response via : Initial Calibration

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

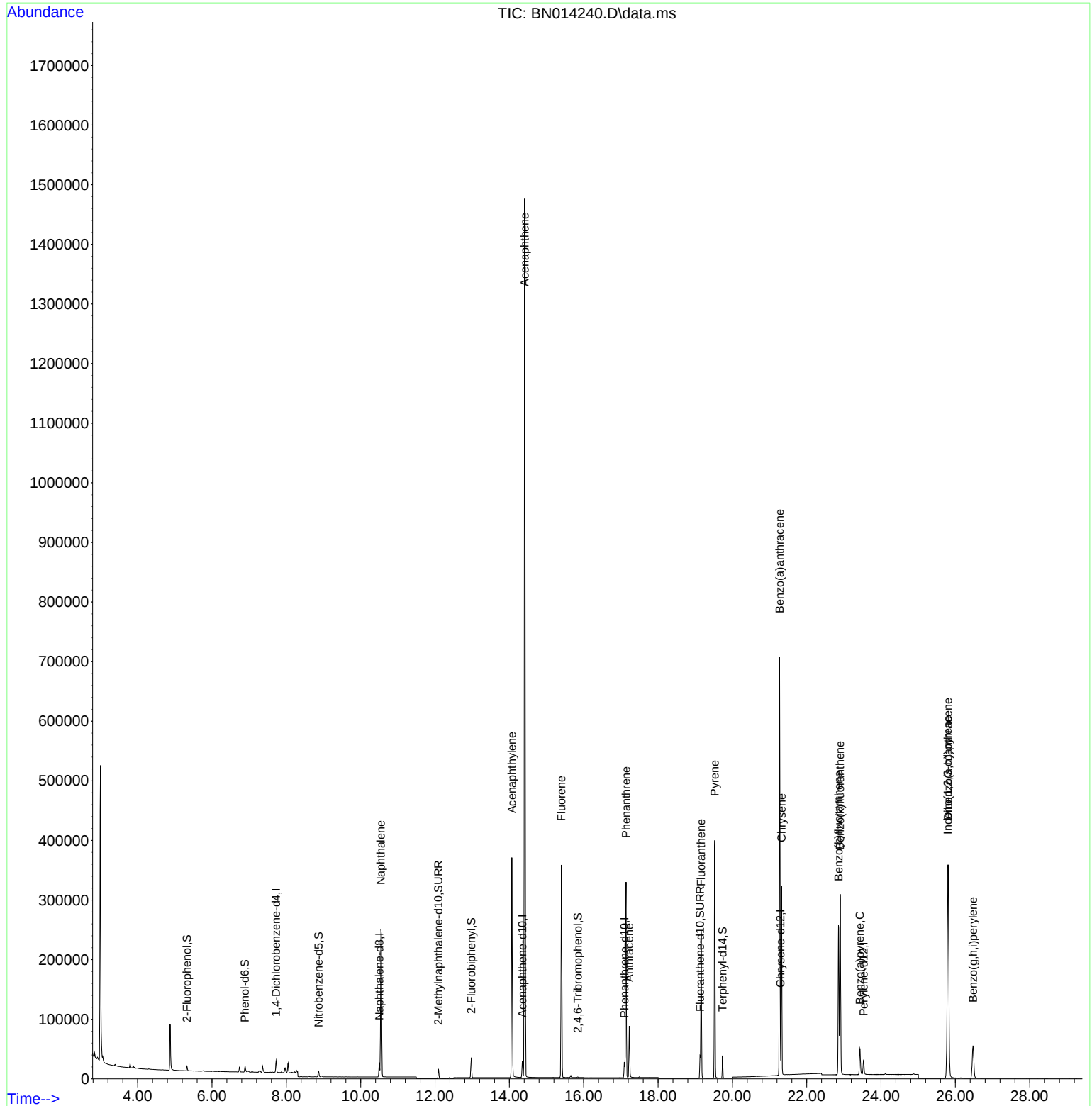
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	7389	0.40	ng	0.00
7) Naphthalene-d8	10.505	136	28771	0.40	ng	# 0.00
13) Acenaphthene-d10	14.346	164	16863	0.40	ng	-0.01
19) Phenanthrene-d10	17.092	188	35429	0.40	ng	#-0.01
29) Chrysene-d12	21.292	240	36834	0.40	ng	# 0.00
36) Perylene-d12	23.530	264	32118	0.40	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.324	112	6250	0.32	ng	0.00
5) Phenol-d6	6.887	99	9550	0.35	ng	0.00
8) Nitrobenzene-d5	8.870	82	8025	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.093	152	20332	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.843	330	863	0.10	ng	0.00
15) 2-Fluorobiphenyl	12.976	172	28298	0.48	ng	0.00
27) Fluoranthene-d10	19.129	212	43838	0.42	ng	0.00
31) Terphenyl-d14	19.734	244	36718	0.44	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.543	128	362445	5.02	ng	100
16) Acenaphthylene	14.067	152	400833	5.22	ng	100
17) Acenaphthene	14.410	154	766176	16.04	ng	99
18) Fluorene	15.399	166	219910	3.54	ng	99
25) Phenanthrene	17.140	178	361384	3.84	ng	100
26) Anthracene	17.226	178	89934	0.98	ng	100
28) Fluoranthene	19.158	202	226587	2.06	ng	99
30) Pyrene	19.526	202	357097	3.03	ng	100
32) Benzo(a)anthracene	21.271	228	546340	4.68	ng	99
33) Chrysene	21.324	228	238835	2.10	ng	99
35) Indeno(1,2,3-cd)pyrene	25.796	276	226849	1.63	ng	# 90
37) Benzo(b)fluoranthene	22.856	252	315171	3.00	ng	# 95
38) Benzo(k)fluoranthene	22.900	252	372081	3.67	ng	99
39) Benzo(a)pyrene	23.431	252	66840	0.70	ng	# 91
40) Dibenzo(a,h)anthracene	25.803	278	505334	5.08	ng	99
41) Benzo(g,h,i)perylene	26.474	276	113796	1.12	ng	98

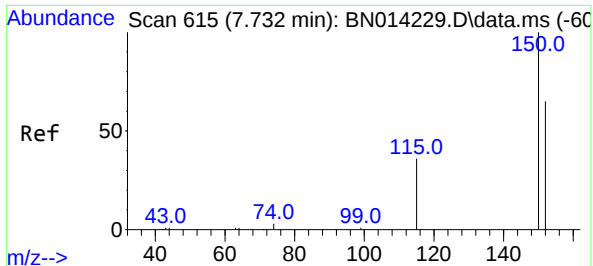
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040821\
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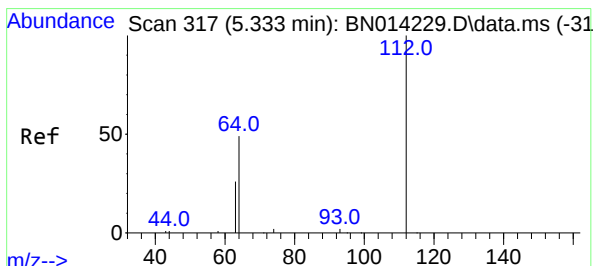
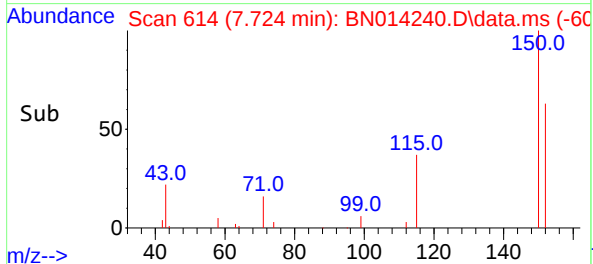
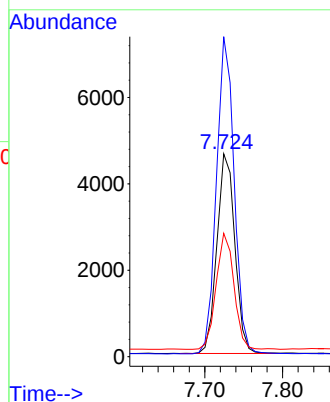
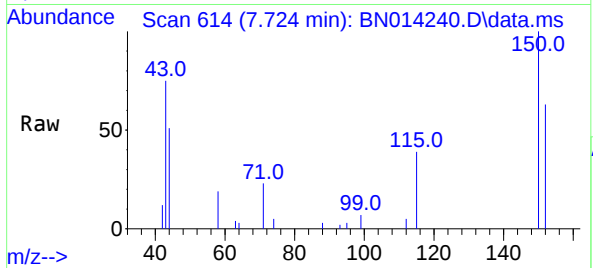




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.724 min Scan# 614
Delta R.T. -0.008 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

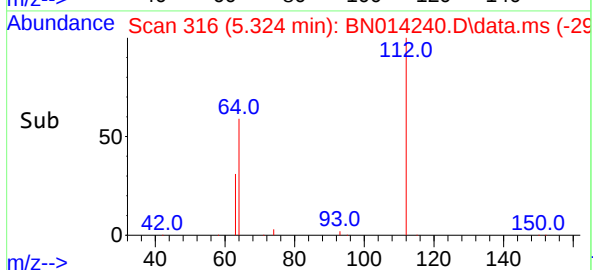
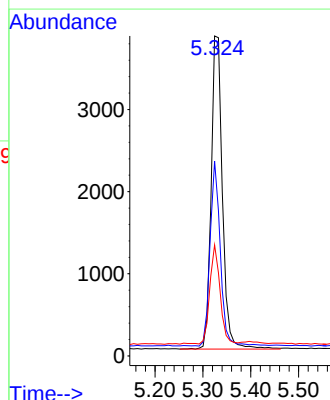
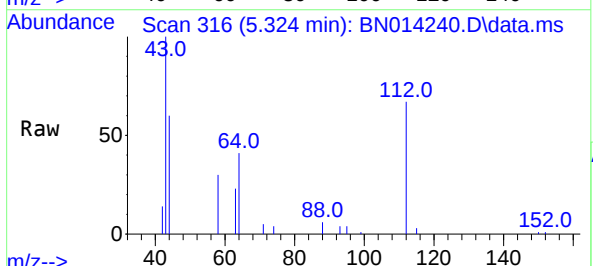
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

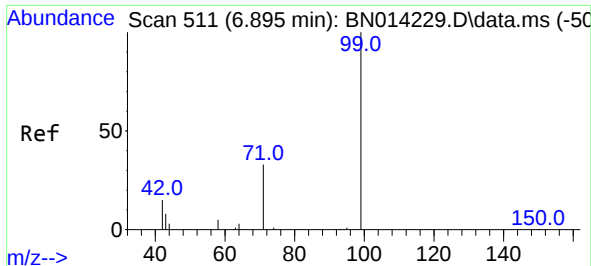
Tgt Ion:152 Resp: 7389
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 60.8 49.4 74.0



#4
2-Fluorophenol
Concen: 0.32 ng
RT: 5.324 min Scan# 316
Delta R.T. -0.008 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:112 Resp: 6250
Ion Ratio Lower Upper
112 100
64 53.7 48.4 72.6
63 28.3 26.1 39.1

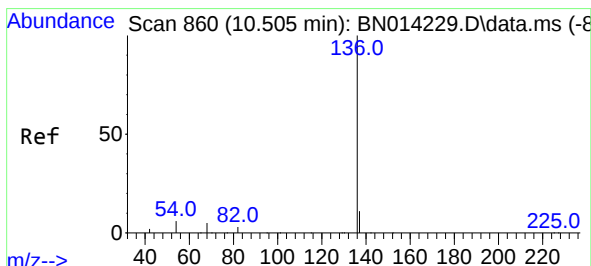
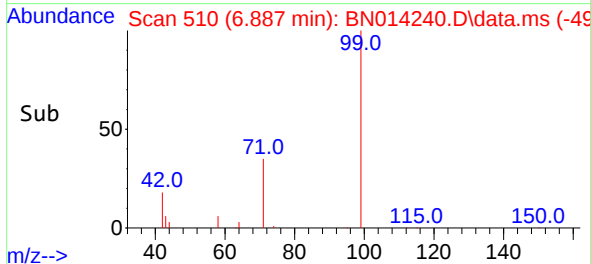
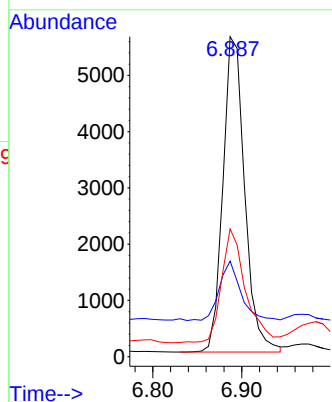
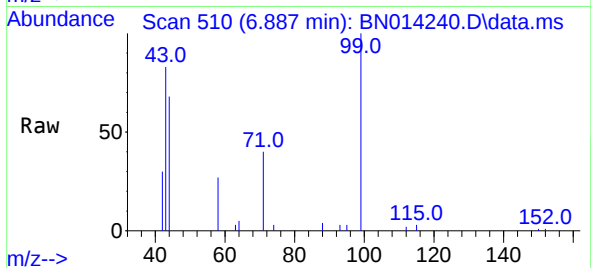




#5
Phenol-d6
Concen: 0.35 ng
RT: 6.887 min Scan# 510
Delta R.T. -0.008 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

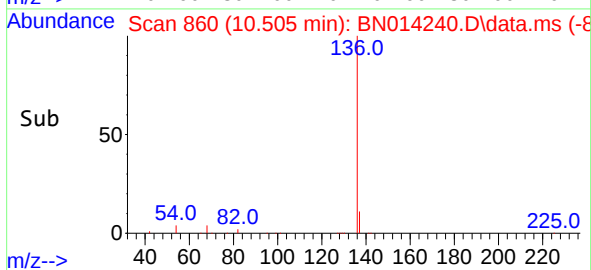
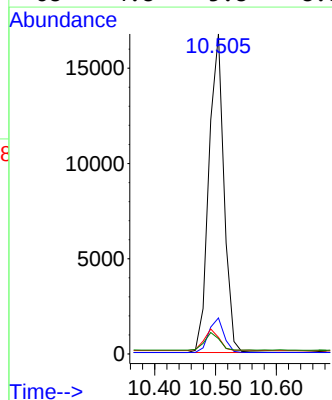
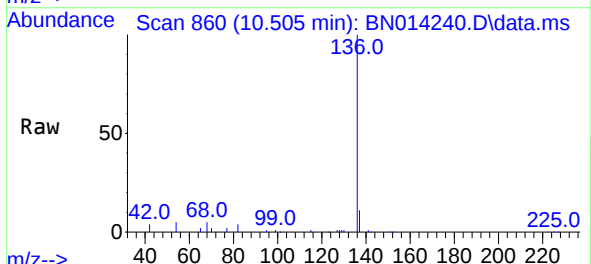
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

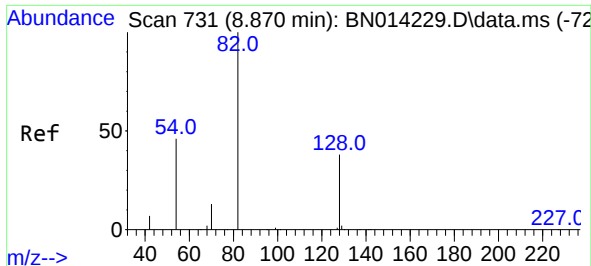
Tgt Ion:	99	Resp:	9550
Ion	Ratio	Lower	Upper
99	100		
42	18.8	17.9	26.9
71	40.3	27.0	40.6



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.505 min Scan# 860
Delta R.T. -0.000 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:	136	Resp:	28771
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	5.2	8.4	12.6#
68	4.8	5.8	8.8#

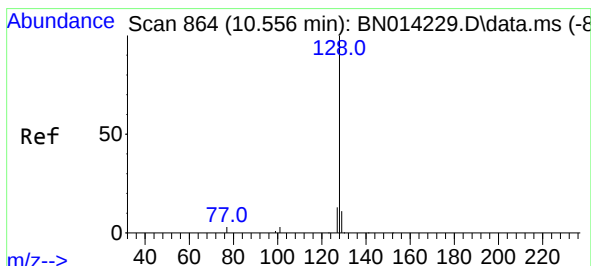
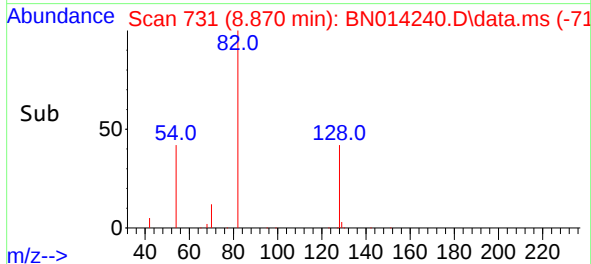
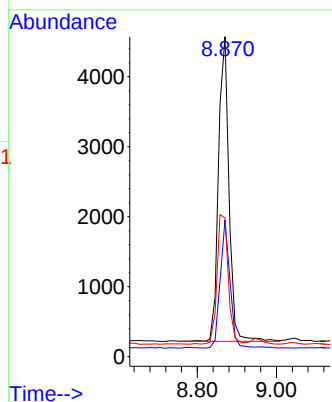
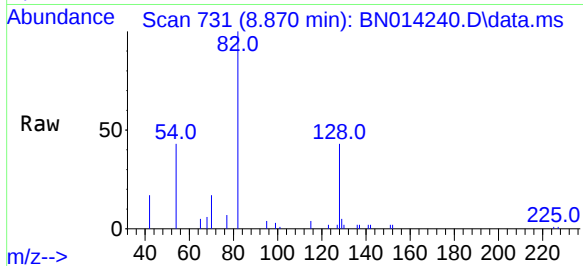




#8
Nitrobenzene-d5
Concen: 0.40 ng
RT: 8.870 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

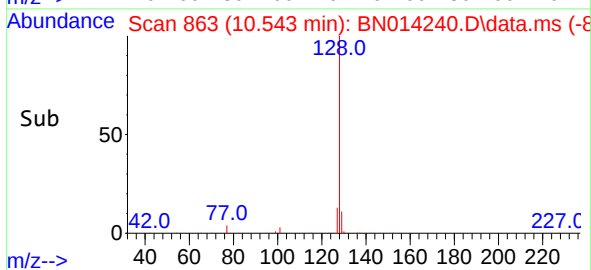
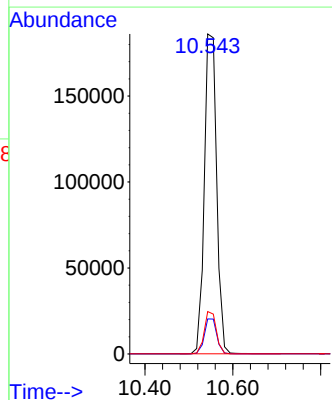
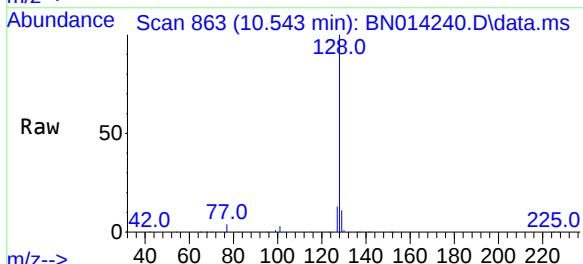
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

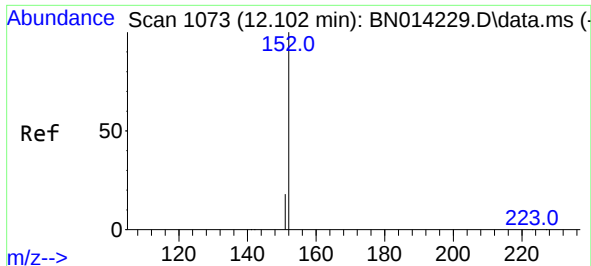
Tgt Ion:	82	Resp:	8025
Ion	Ratio	Lower	Upper
82	100		
128	42.7	36.1	54.1
54	43.4	39.1	58.7



#9
Naphthalene
Concen: 5.02 ng
RT: 10.543 min Scan# 863
Delta R.T. -0.013 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:	128	Resp:	362445
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.3	10.6	16.0

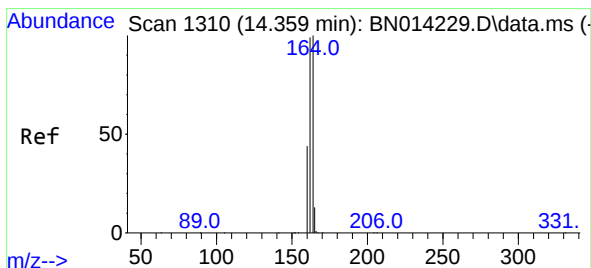
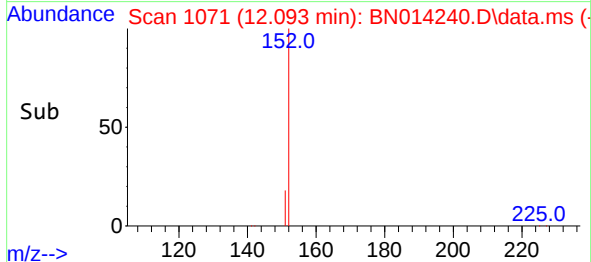
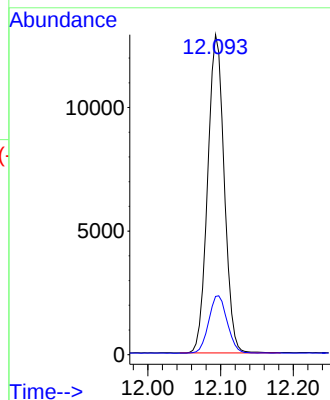
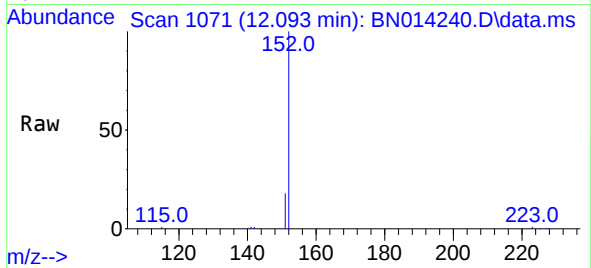




#11
2-Methylnaphthalene-d10
Concen: 0.42 ng
RT: 12.093 min Scan# 1071
Delta R.T. -0.009 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

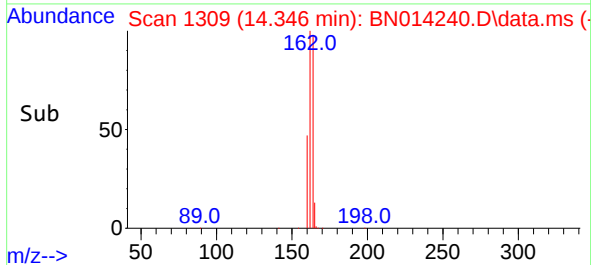
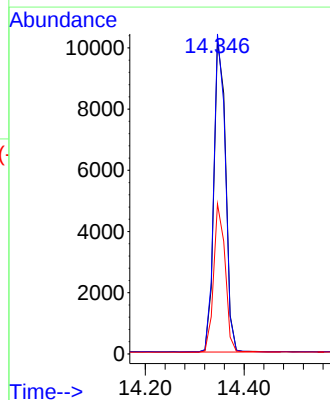
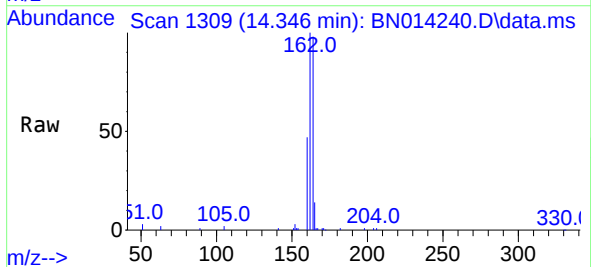
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

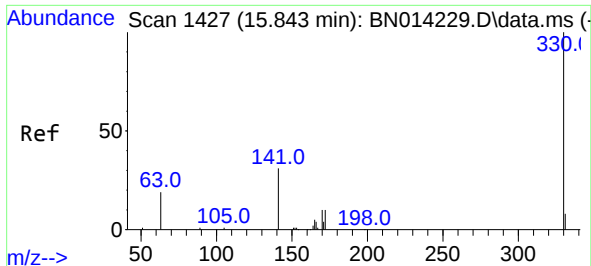
Tgt Ion:152 Resp: 20332
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.346 min Scan# 1309
Delta R.T. -0.013 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:164 Resp: 16863
Ion Ratio Lower Upper
164 100
162 102.0 80.4 120.6
160 47.9 36.0 54.0

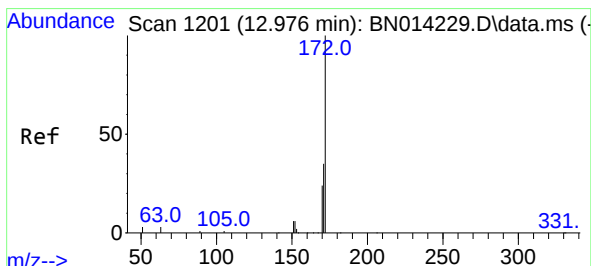
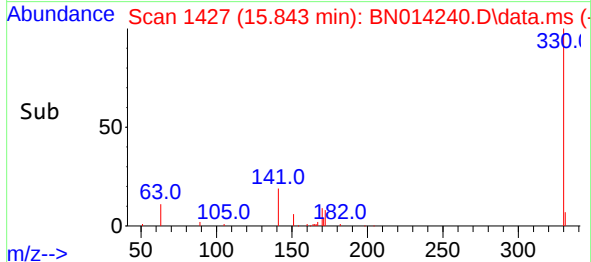
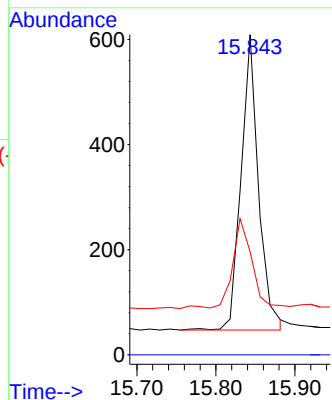
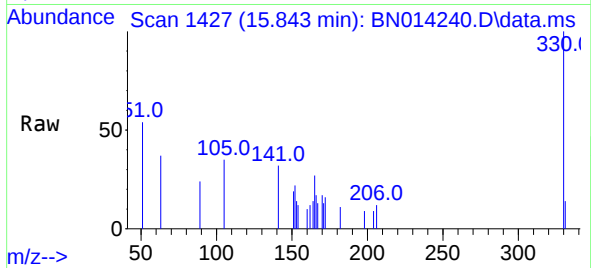




#14
2,4,6-Tribromophenol
Concen: 0.10 ng
RT: 15.843 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

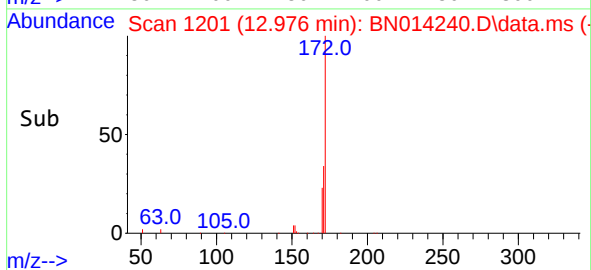
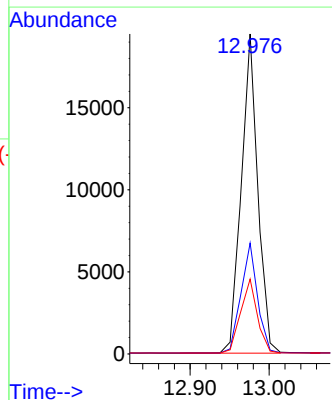
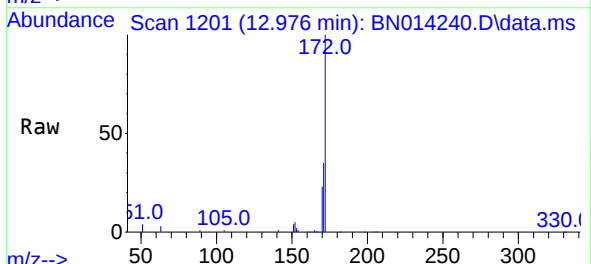
Instrument :
BNA_N
ClientSampled :
RR-PAH-WP

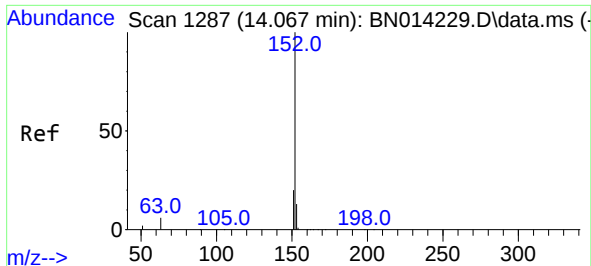
Tgt Ion:330 Resp: 863
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 33.8 30.6 45.8



#15
2-Fluorobiphenyl
Concen: 0.48 ng
RT: 12.976 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:172 Resp: 28298
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.4 18.7 28.1

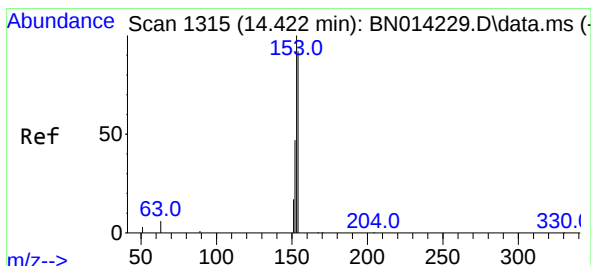
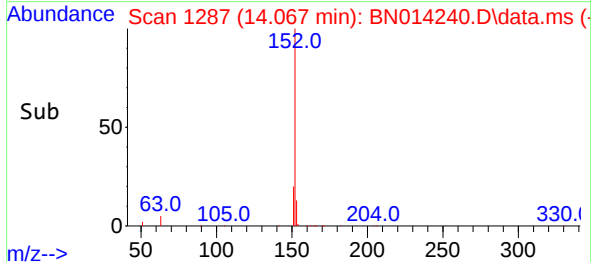
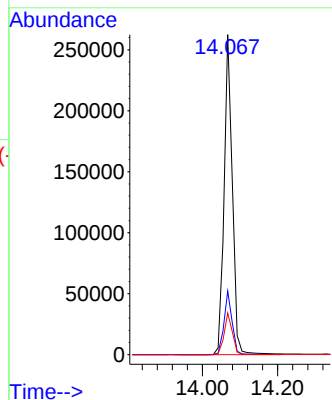
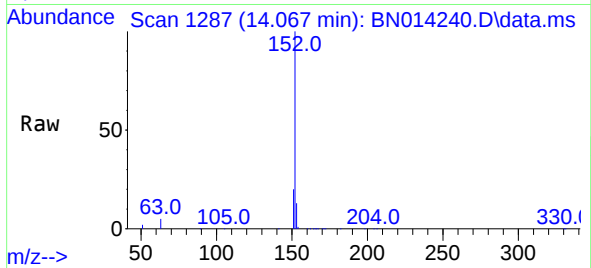




#16
Acenaphthylene
Concen: 5.22 ng
RT: 14.067 min Scan# 1287
Delta R.T. -0.000 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

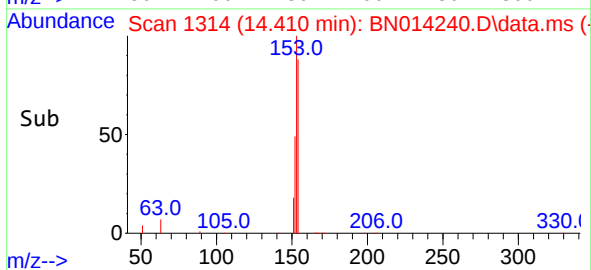
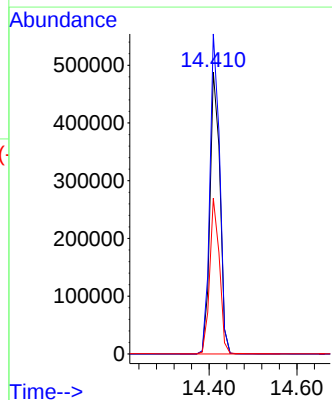
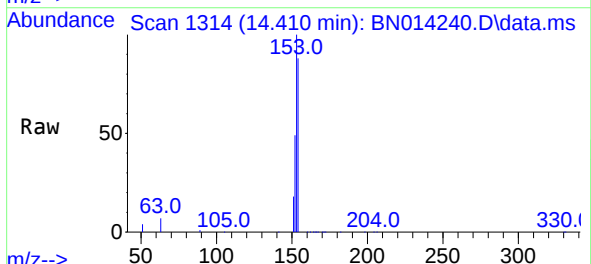
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ClientSampleId :
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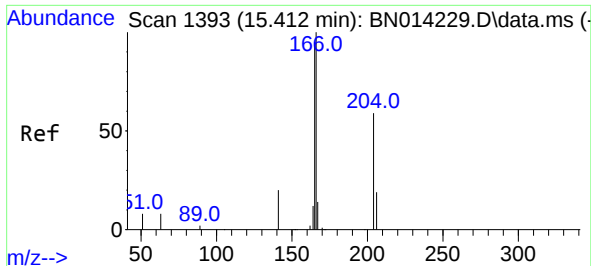
Tgt Ion:152 Resp: 400833
Ion Ratio Lower Upper
152 100
151 19.6 15.5 23.3
153 13.1 10.5 15.7



#17
Acenaphthene
Concen: 16.04 ng
RT: 14.410 min Scan# 1314
Delta R.T. -0.013 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:154 Resp: 766176
Ion Ratio Lower Upper
154 100
153 111.9 88.8 133.2
152 53.8 43.8 65.6

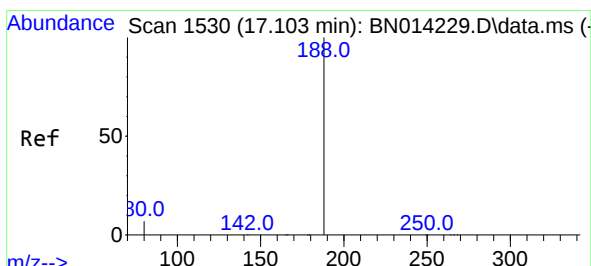
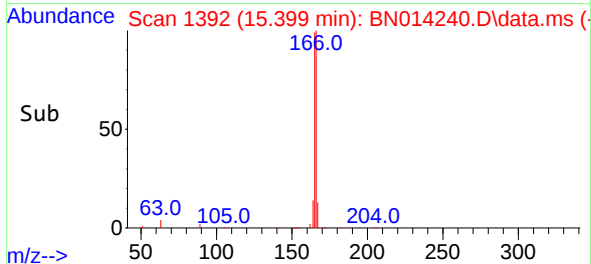
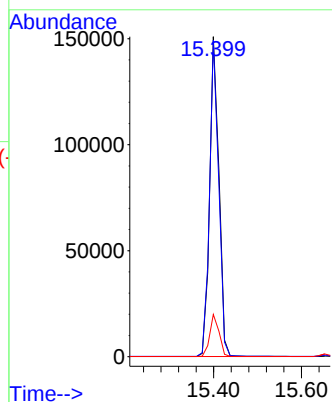
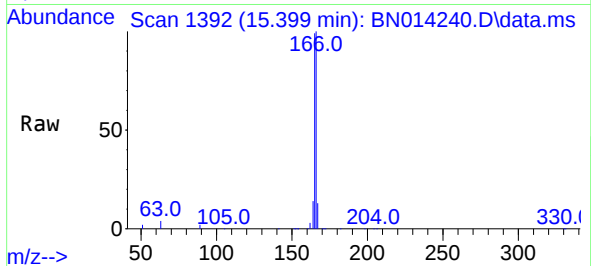




#18
Fluorene
Concen: 3.54 ng
RT: 15.399 min Scan# 1392
Delta R.T. -0.013 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

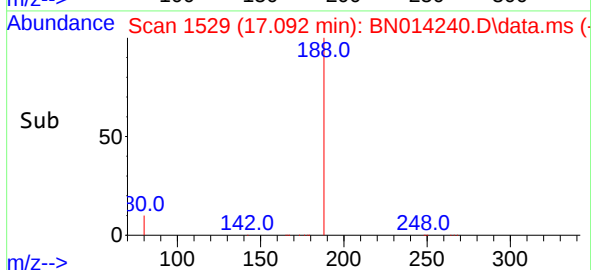
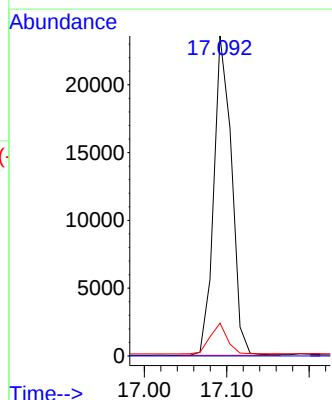
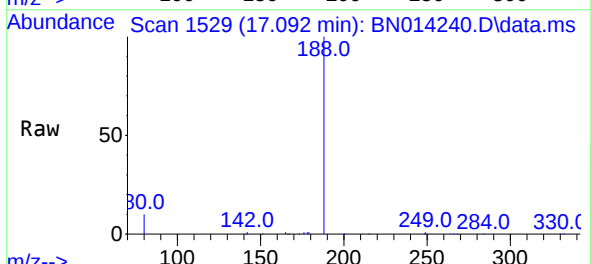
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

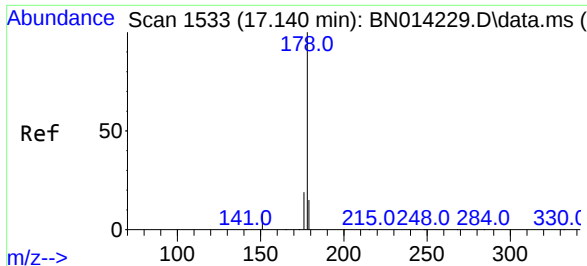
Tgt Ion:166 Resp: 219910
Ion Ratio Lower Upper
166 100
165 97.7 78.6 118.0
167 13.3 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.092 min Scan# 1529
Delta R.T. -0.012 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:188 Resp: 35429
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.2 6.2 9.2#

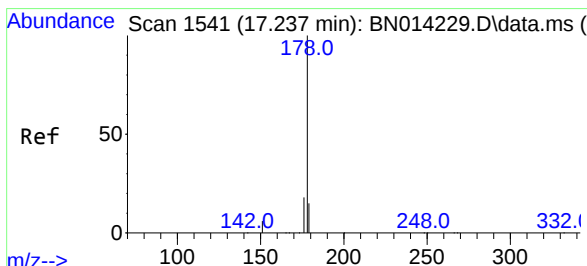
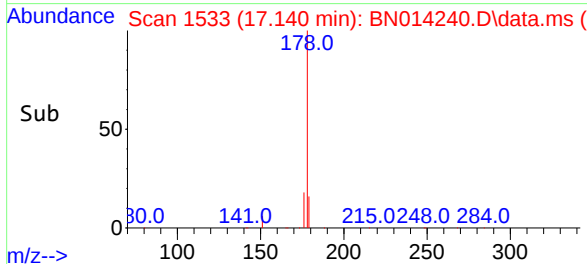
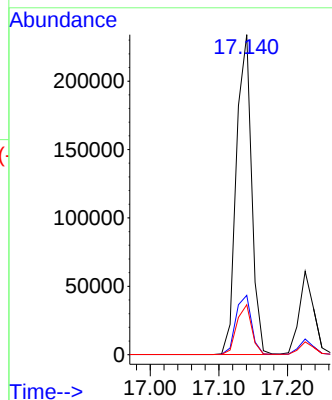
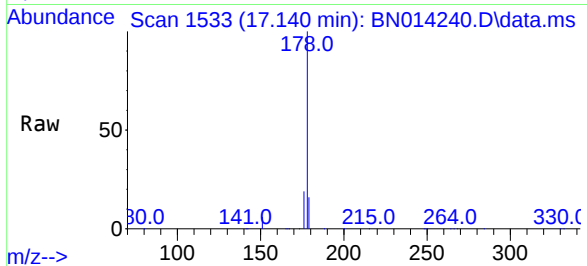




#25
Phenanthrene
Concen: 3.84 ng
RT: 17.140 min Scan# 1533
Delta R.T. 0.000 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

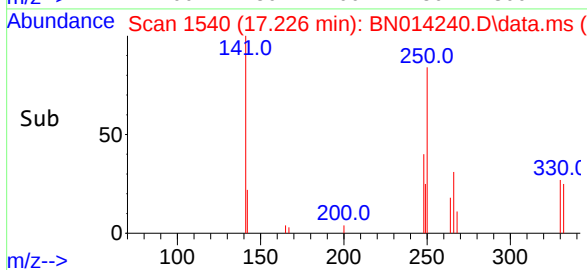
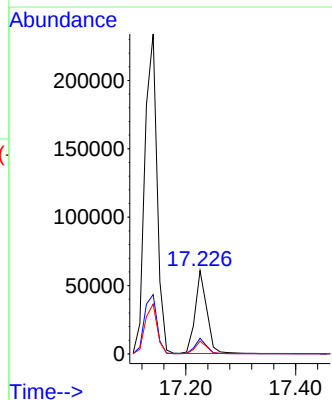
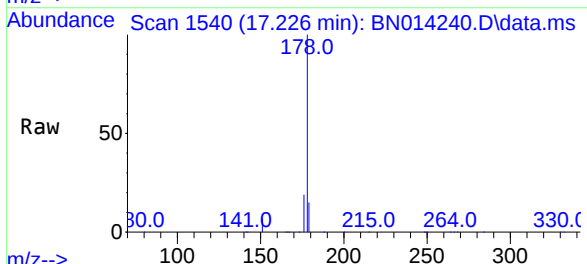
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

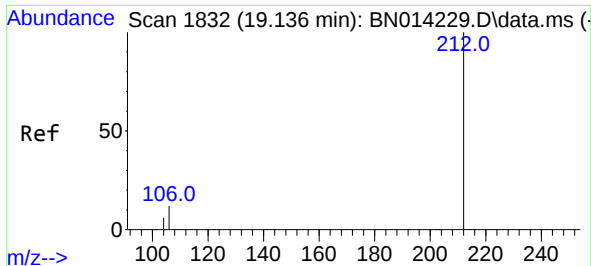
Tgt Ion:178 Resp: 361384
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.98 ng
RT: 17.226 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:178 Resp: 89934
Ion Ratio Lower Upper
178 100
176 18.4 14.6 21.8
179 15.3 12.3 18.5

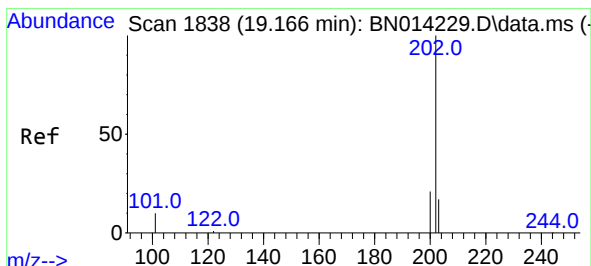
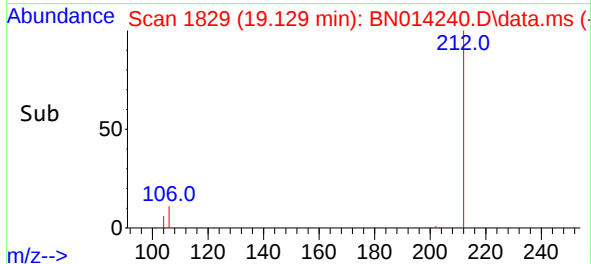
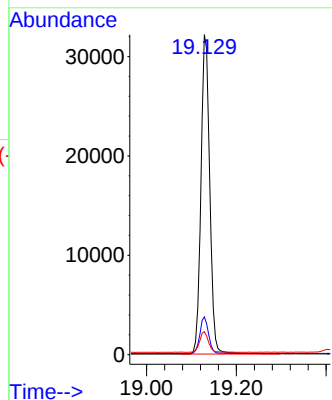
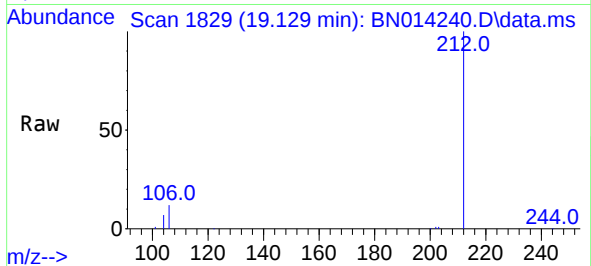




#27
Fluoranthene-d10
Concen: 0.42 ng
RT: 19.129 min Scan# 1829
Delta R.T. -0.007 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

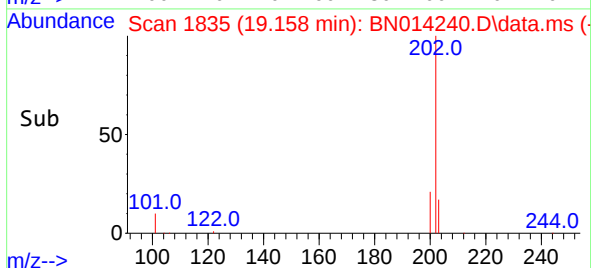
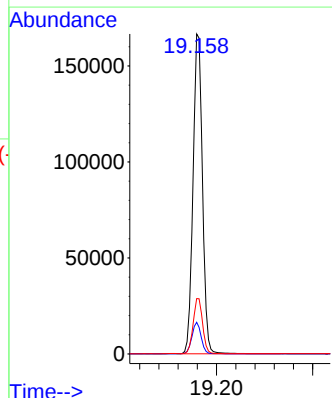
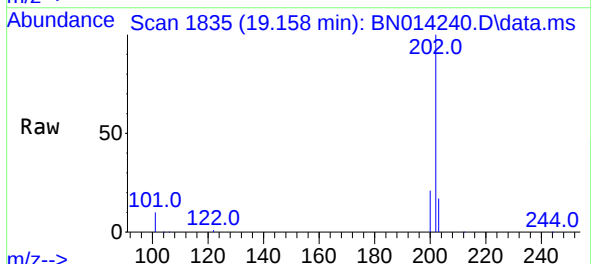
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

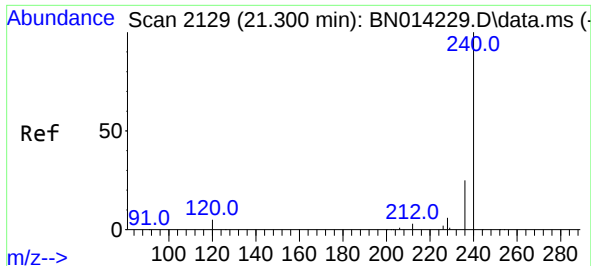
Tgt Ion:212 Resp: 43838
Ion Ratio Lower Upper
212 100
106 11.3 10.1 15.1
104 6.4 5.6 8.4



#28
Fluoranthene
Concen: 2.06 ng
RT: 19.158 min Scan# 1835
Delta R.T. -0.007 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:202 Resp: 226587
Ion Ratio Lower Upper
202 100
101 9.6 8.6 13.0
203 17.4 13.8 20.6

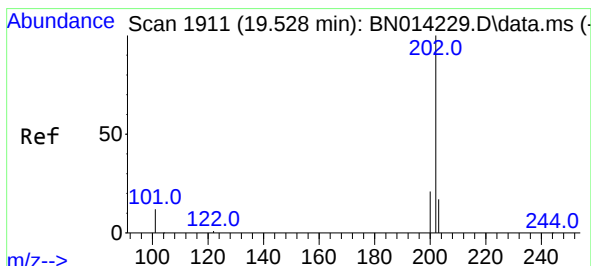
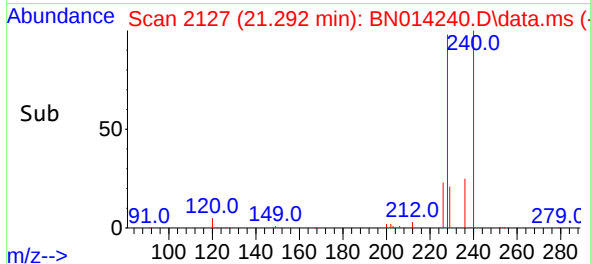
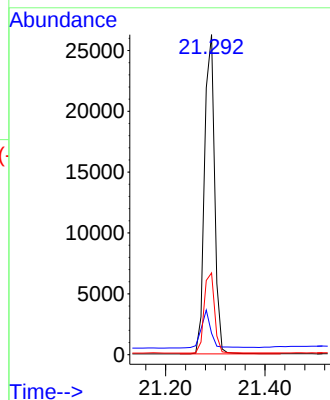
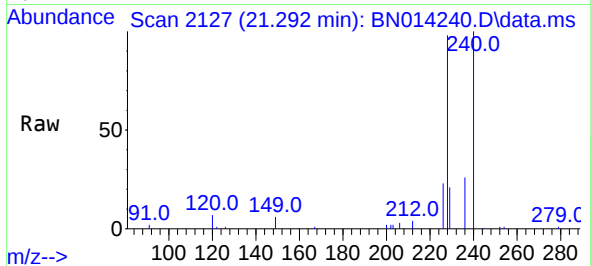




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.292 min Scan# 2127
Delta R.T. -0.008 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

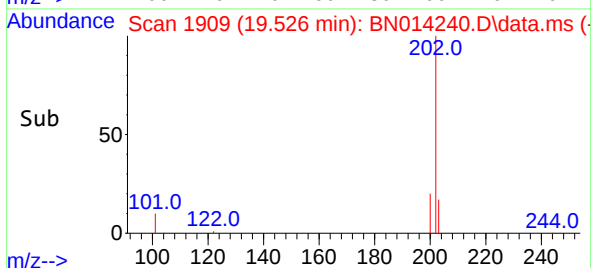
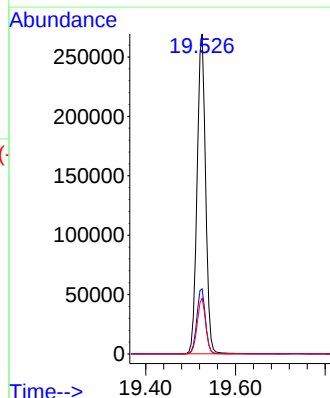
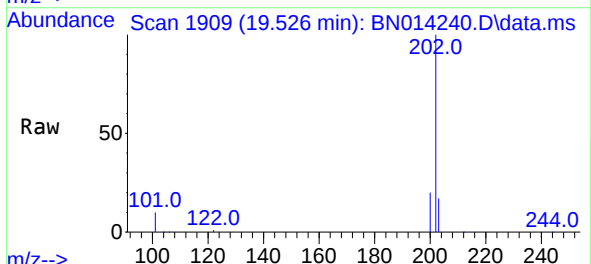
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

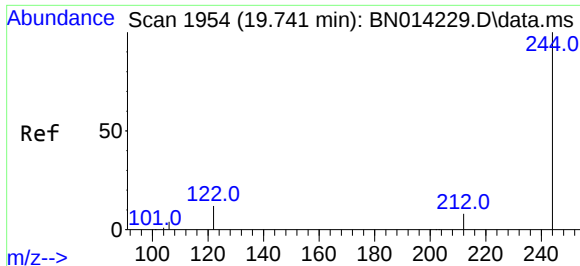
Tgt Ion:240 Resp: 36834
Ion Ratio Lower Upper
240 100
120 6.7 10.8 16.2#
236 25.5 21.4 32.2



#30
Pyrene
Concen: 3.03 ng
RT: 19.526 min Scan# 1909
Delta R.T. -0.002 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:202 Resp: 357097
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 17.4 13.9 20.9

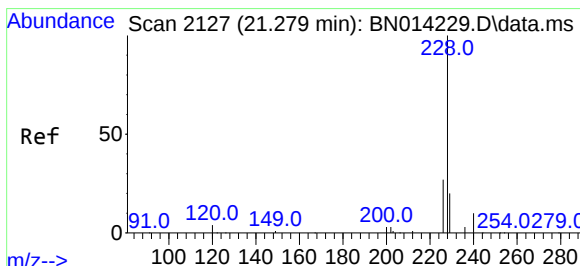
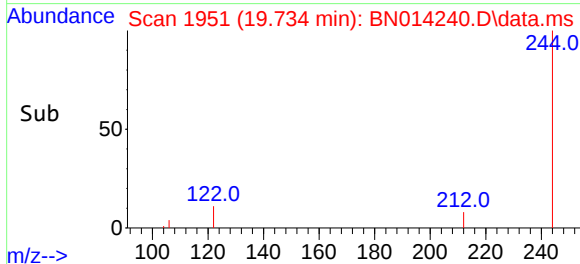
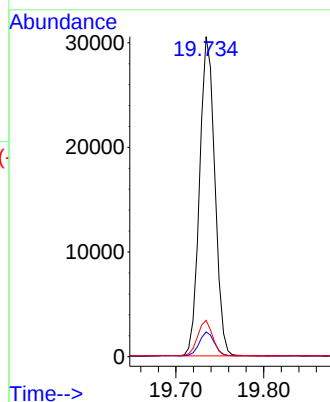
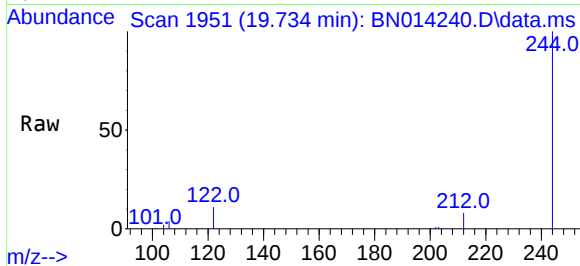




#31
 Terphenyl-d14
 Concen: 0.44 ng
 RT: 19.734 min Scan# 1951
 Delta R.T. -0.007 min
 Lab File: BN014240.D
 Acq: 08 Apr 2021 17:11

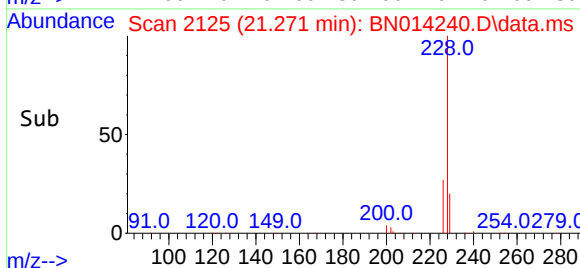
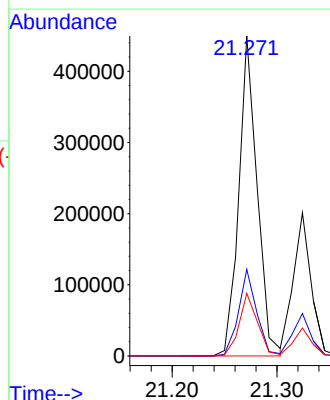
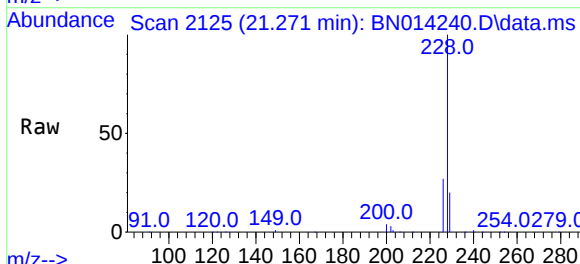
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WP

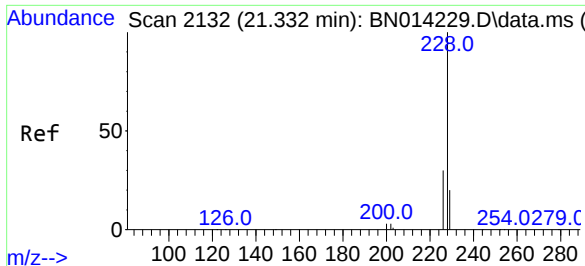
Tgt Ion:244 Resp: 36718
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 11.4 9.2 13.8



#32
 Benzo(a)anthracene
 Concen: 4.68 ng
 RT: 21.271 min Scan# 2125
 Delta R.T. -0.008 min
 Lab File: BN014240.D
 Acq: 08 Apr 2021 17:11

Tgt Ion:228 Resp: 546340
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.1 31.7
 229 19.6 15.8 23.8



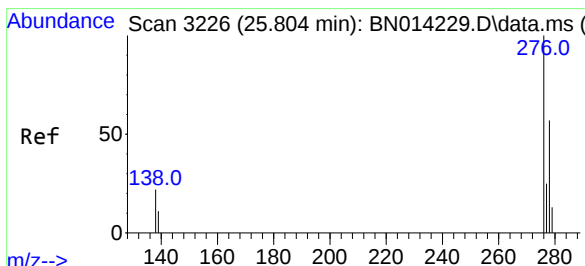
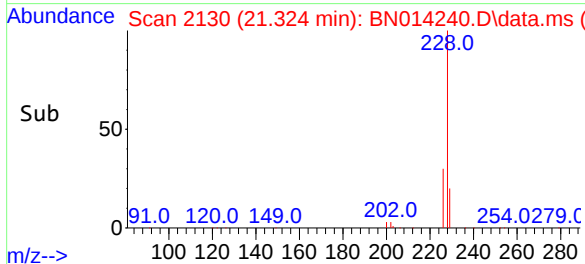
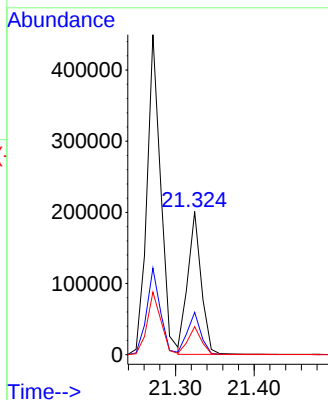
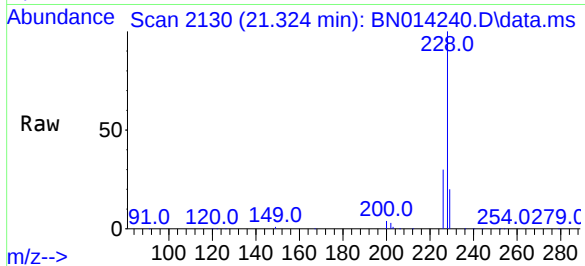


#33
Chrysene
Concen: 2.10 ng
RT: 21.324 min Scan# 2130
Delta R.T. -0.008 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

Tgt Ion:228 Resp: 238835

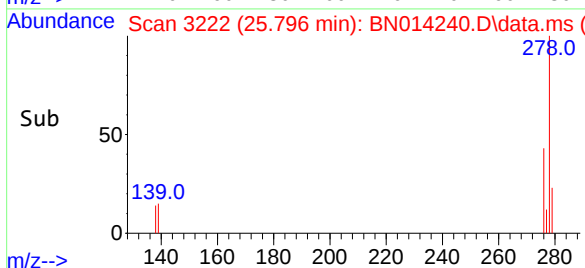
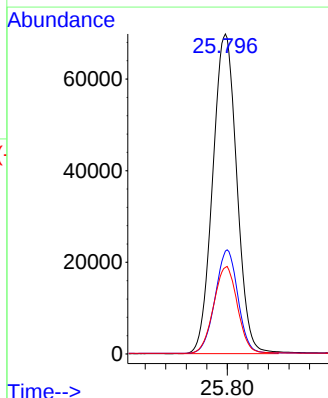
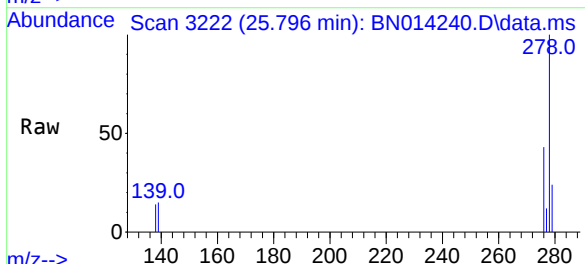
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.0	34.6
229	19.6	15.8	23.8

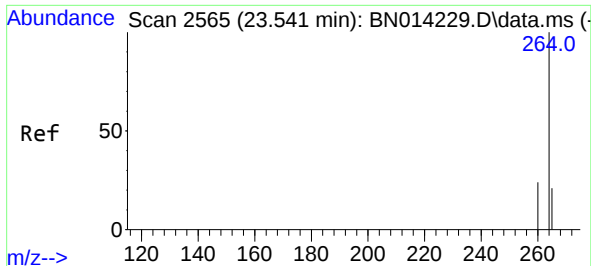


#35
Indeno(1,2,3-cd)pyrene
Concen: 1.63 ng
RT: 25.796 min Scan# 3222
Delta R.T. -0.008 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:276 Resp: 226849

Ion	Ratio	Lower	Upper
276	100		
138	30.7	18.6	27.8#
277	26.8	19.8	29.8

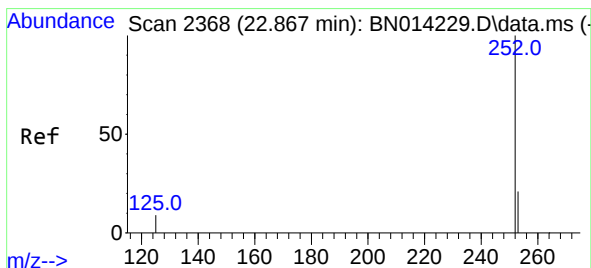
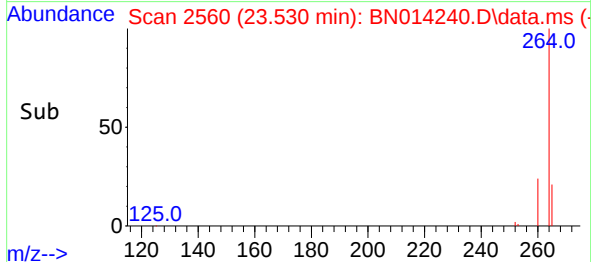
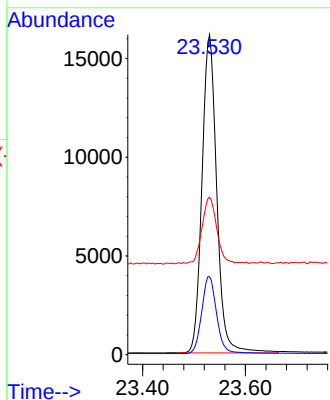
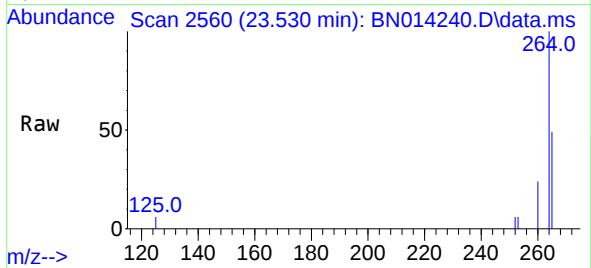




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.530 min Scan# 2560
Delta R.T. -0.011 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

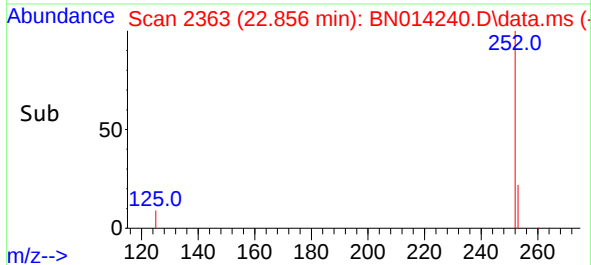
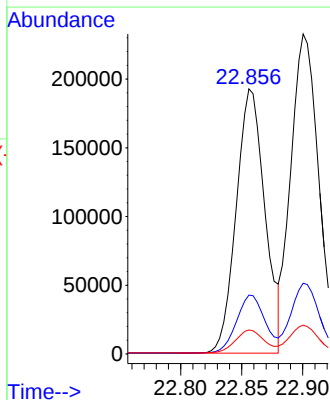
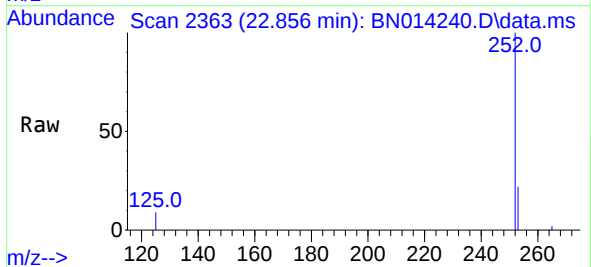
Instrument :
BNA_N
ClientSampled :
RR-PAH-WP

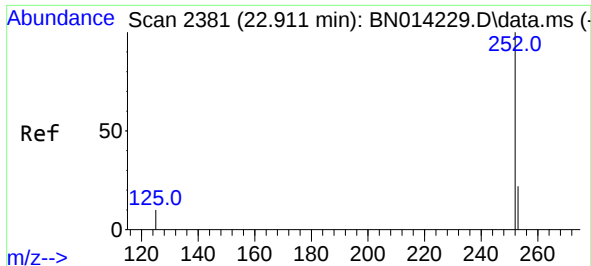
Tgt Ion:264 Resp: 32118
Ion Ratio Lower Upper
264 100
260 24.3 19.7 29.5
265 49.3 19.2 28.8#



#37
Benzo(b)fluoranthene
Concen: 3.00 ng
RT: 22.856 min Scan# 2363
Delta R.T. -0.011 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:252 Resp: 315171
Ion Ratio Lower Upper
252 100
253 22.2 18.5 27.7
125 9.1 10.3 15.5#

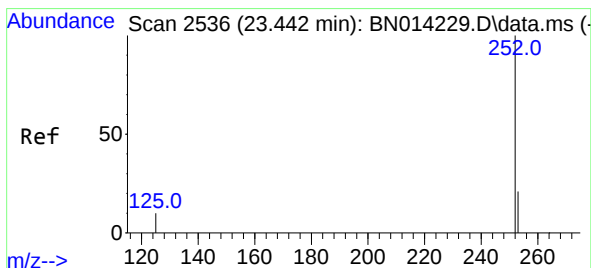
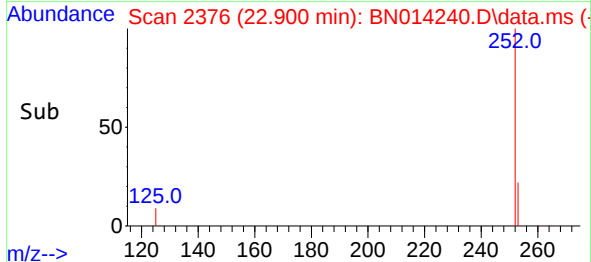
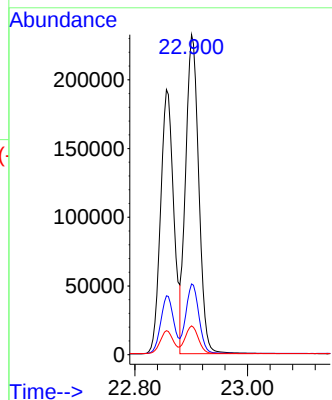
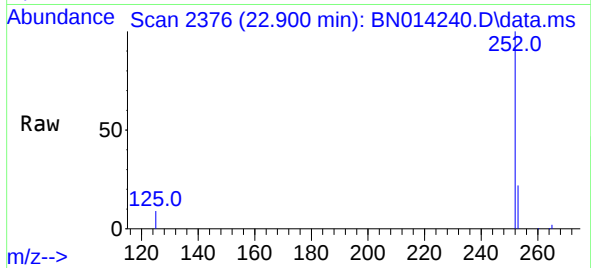




#38
Benzo(k)fluoranthene
Concen: 3.67 ng
RT: 22.900 min Scan# 2376
Delta R.T. -0.011 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

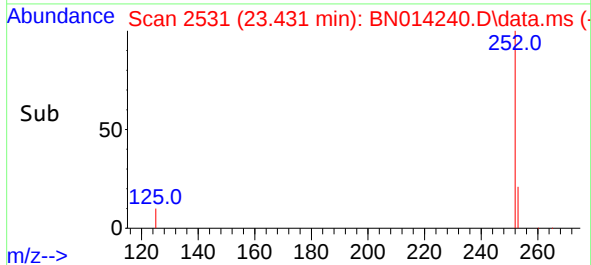
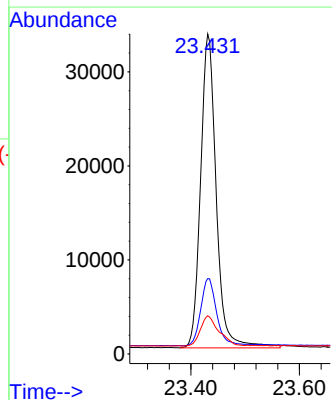
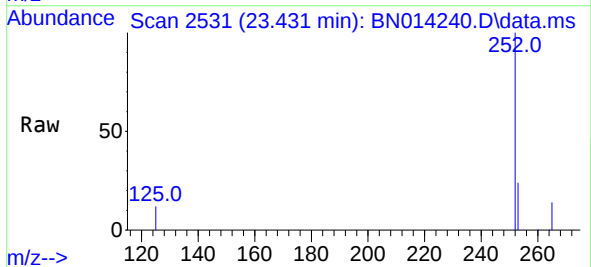
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

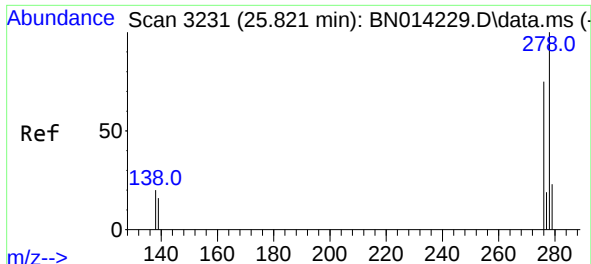
Tgt Ion:252 Resp: 372081
Ion Ratio Lower Upper
252 100
253 22.1 18.1 27.1
125 9.0 7.8 11.6



#39
Benzo(a)pyrene
Concen: 0.70 ng
RT: 23.431 min Scan# 2531
Delta R.T. -0.011 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:252 Resp: 66840
Ion Ratio Lower Upper
252 100
253 23.6 19.4 29.2
125 11.9 16.6 24.8#

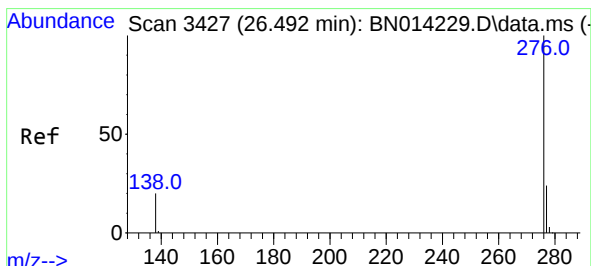
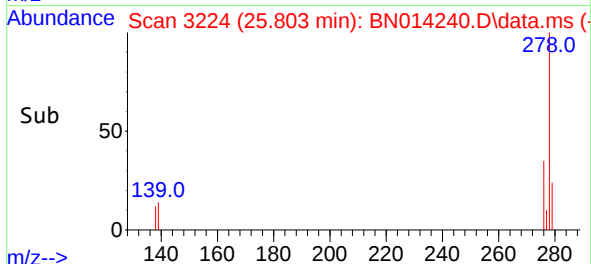
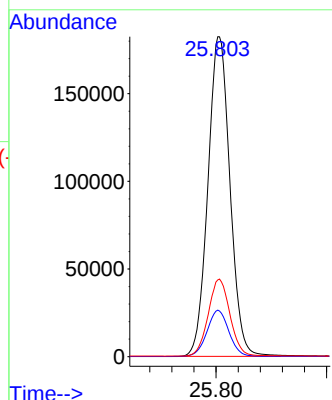
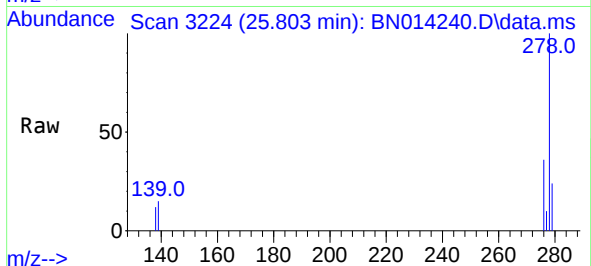




#40
Dibenzo(a,h)anthracene
Concen: 5.08 ng
RT: 25.803 min Scan# 3224
Delta R.T. -0.018 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Instrument :
BNA_N
ClientSampled :
RR-PAH-WP

Tgt Ion:278 Resp: 505334
Ion Ratio Lower Upper
278 100
139 14.6 12.6 19.0
279 24.0 19.4 29.0



#41
Benzo(g,h,i)perylene
Concen: 1.12 ng
RT: 26.474 min Scan# 3420
Delta R.T. -0.018 min
Lab File: BN014240.D
Acq: 08 Apr 2021 17:11

Tgt Ion:276 Resp: 113796
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 19.0 16.4 24.6

