

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040821\
 Data File : BN014241.D
 Acq On : 08 Apr 2021 17:47
 Operator : CG/JU
 Sample : M1557-21DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Quant Time: Apr 08 18:16:35 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)

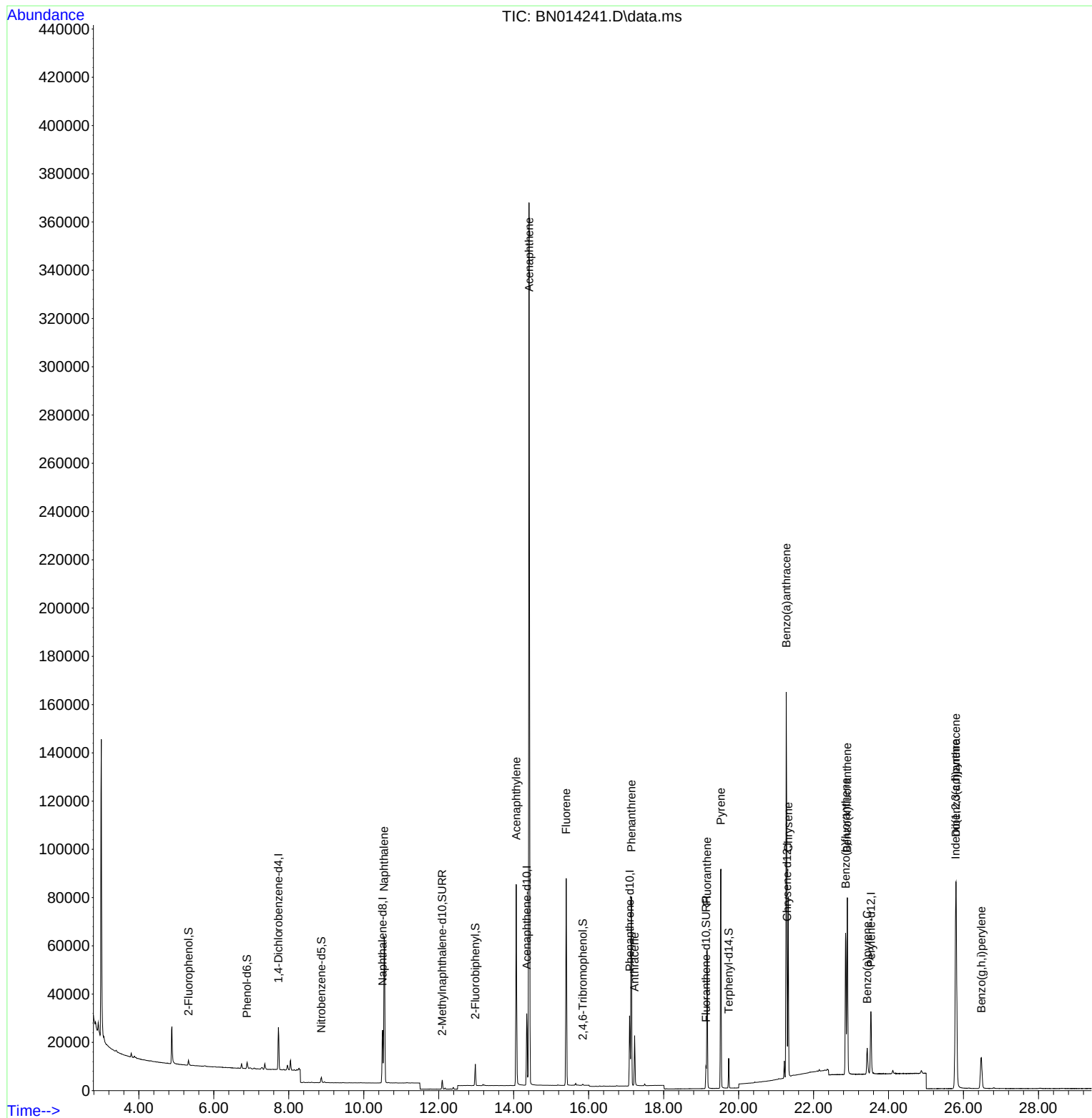
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.724	152	8002	0.40	ng	0.00
7) Naphthalene-d8	10.505	136	31159	0.40	ng	# 0.00
13) Acenaphthene-d10	14.346	164	18380	0.40	ng	-0.01
19) Phenanthrene-d10	17.092	188	38968	0.40	ng	#-0.01
29) Chrysene-d12	21.292	240	39070	0.40	ng	# 0.00
36) Perylene-d12	23.530	264	35278	0.40	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.324	112	1695	0.08	ng	0.00
5) Phenol-d6	6.887	99	2558	0.09	ng	0.00
8) Nitrobenzene-d5	8.870	82	1956	0.09	ng	0.00
11) 2-Methylnaphthalene-d10	12.093	152	4953	0.09	ng	0.00
14) 2,4,6-Tribromophenol	15.843	330	342	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.976	172	7419	0.12	ng	0.00
27) Fluoranthene-d10	19.129	212	10577	0.09	ng	0.00
31) Terphenyl-d14	19.734	244	11823	0.13	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.543	128	87520	1.12	ng	100
16) Acenaphthylene	14.067	152	88826	1.06	ng	100
17) Acenaphthene	14.410	154	182274	3.50	ng	98
18) Fluorene	15.399	166	52594	0.78	ng	100
25) Phenanthrene	17.141	178	86936	0.84	ng	100
26) Anthracene	17.226	178	21512	0.21	ng	99
28) Fluoranthene	19.159	202	53808	0.44	ng	99
30) Pyrene	19.526	202	84989	0.68	ng	100
32) Benzo(a)anthracene	21.271	228	125657	1.01	ng	99
33) Chrysene	21.324	228	58089	0.48	ng	99
35) Indeno(1,2,3-cd)pyrene	25.789	276	54146	0.37	ng	# 90
37) Benzo(b)fluoranthene	22.856	252	74192	0.64	ng	97
38) Benzo(k)fluoranthene	22.900	252	92587	0.83	ng	99
39) Benzo(a)pyrene	23.431	252	16451	0.16	ng	# 92
40) Dibenzo(a,h)anthracene	25.800	278	118489	1.08	ng	98
41) Benzo(g,h,i)perylene	26.474	276	27458	0.25	ng	98

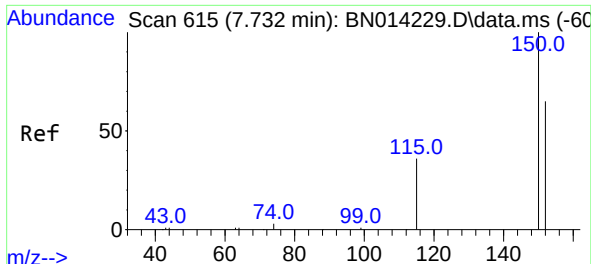
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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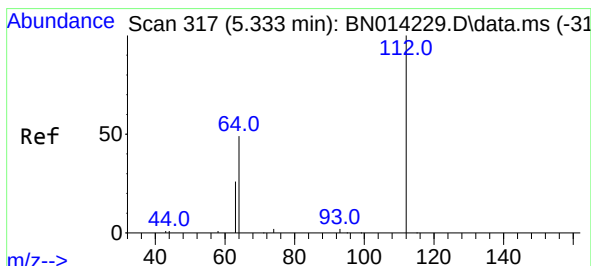
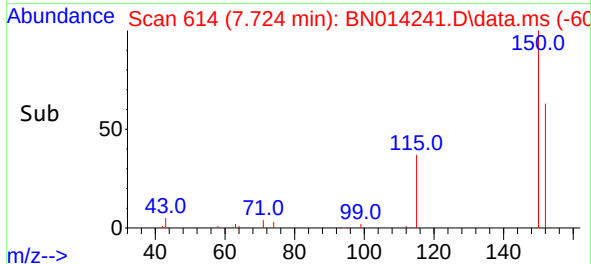
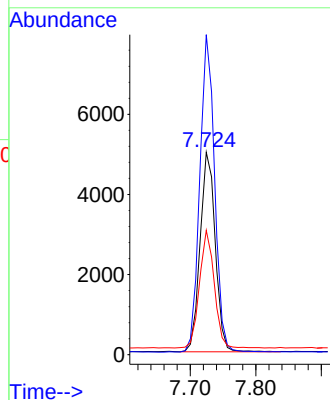
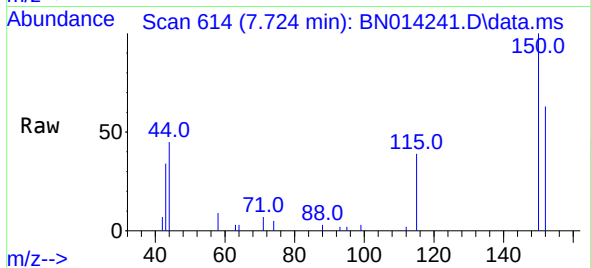




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.724 min Scan# 614
Delta R.T. -0.008 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

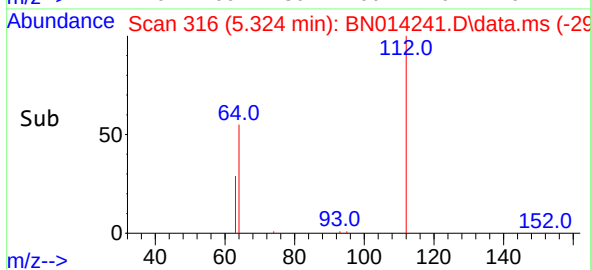
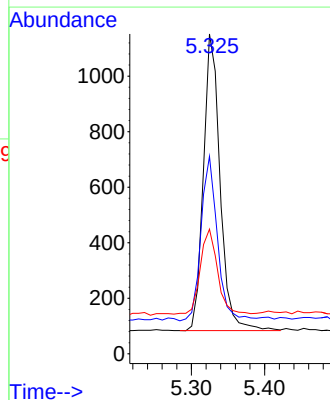
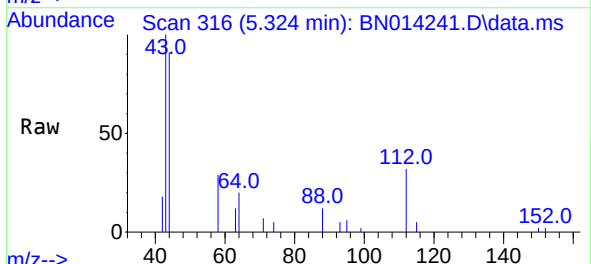
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

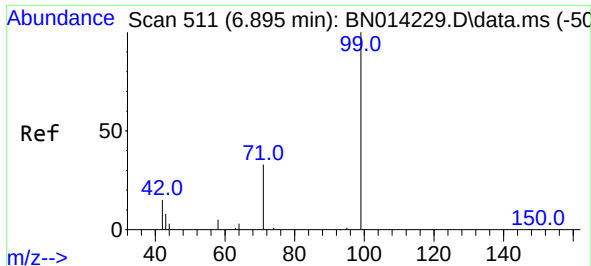
Tgt Ion:152 Resp: 8002
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.2
115 61.4 49.4 74.0



#4
2-Fluorophenol
Concen: 0.08 ng
RT: 5.324 min Scan# 316
Delta R.T. -0.008 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:112 Resp: 1695
Ion Ratio Lower Upper
112 100
64 54.6 48.4 72.6
63 29.5 26.1 39.1

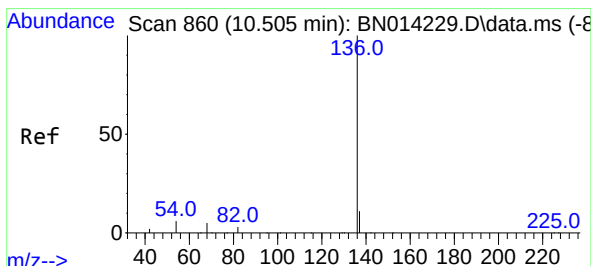
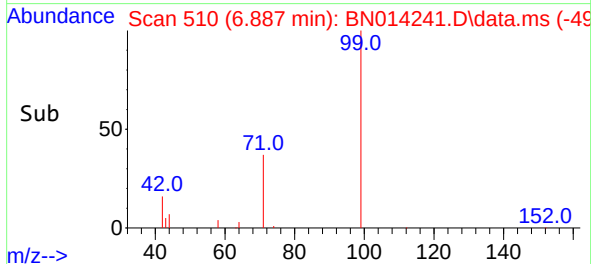
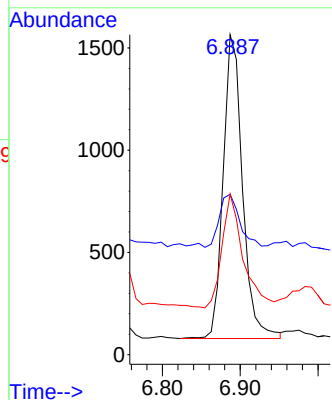
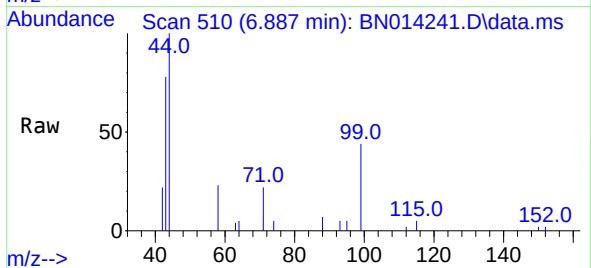




#5
Phenol-d6
Concen: 0.09 ng
RT: 6.887 min Scan# 510
Delta R.T. -0.008 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

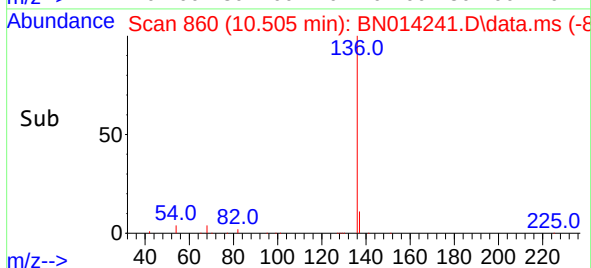
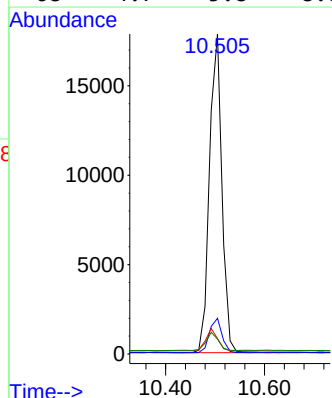
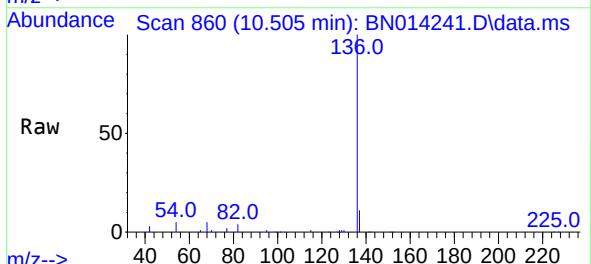
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

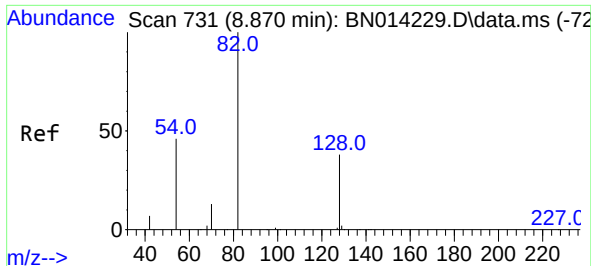
Tgt Ion: 99 Resp: 2558
Ion Ratio Lower Upper
99 100
42 18.5 17.9 26.9
71 39.8 27.0 40.6



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.505 min Scan# 860
Delta R.T. 0.000 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion: 136 Resp: 31159
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 4.8 8.4 12.6#
68 4.7 5.8 8.8#

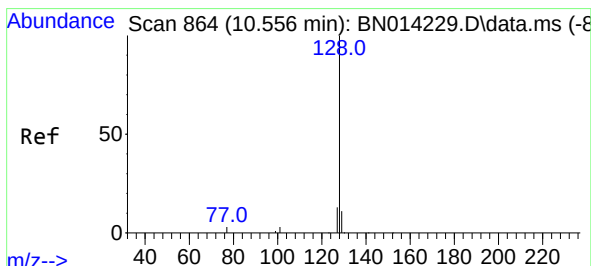
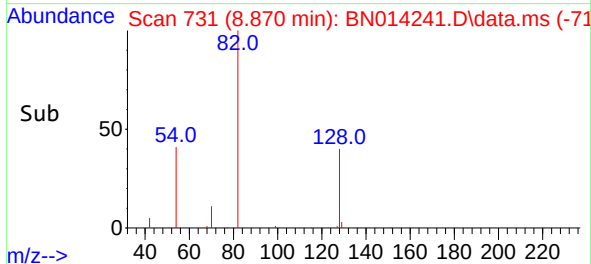
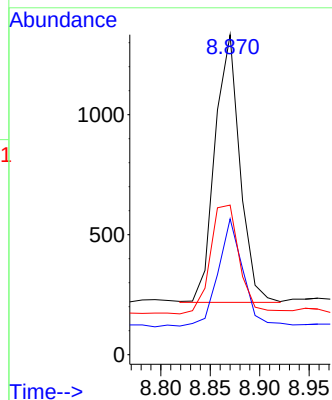
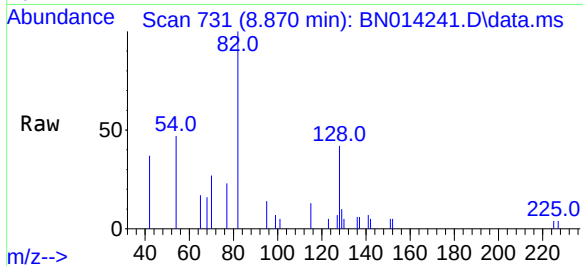




#8
Nitrobenzene-d5
Concen: 0.09 ng
RT: 8.870 min Scan# 731
Delta R.T. 0.000 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

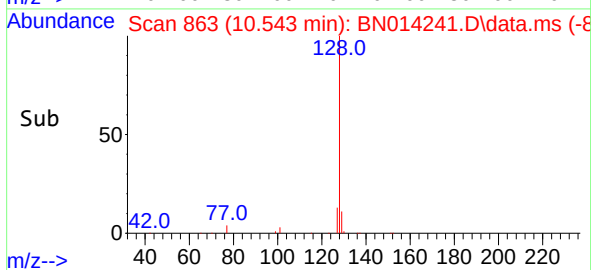
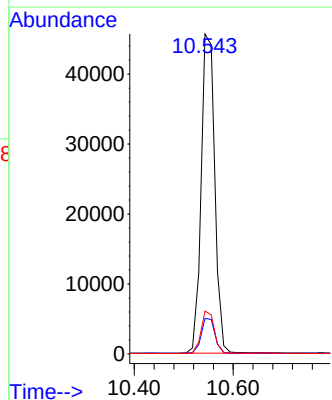
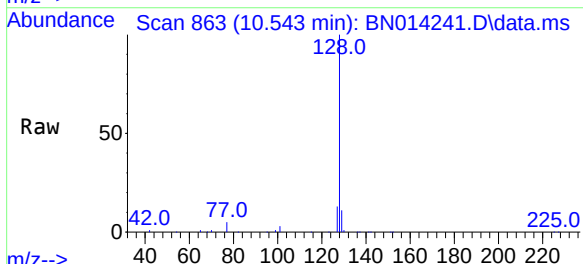
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

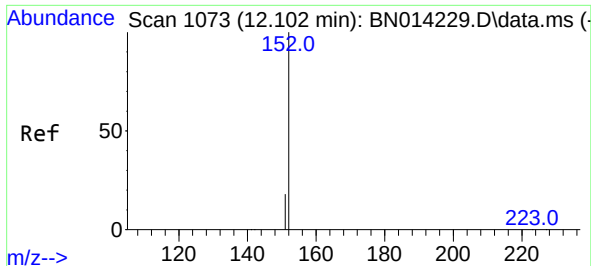
Tgt Ion: 82 Resp: 1956
Ion Ratio Lower Upper
82 100
128 42.5 36.1 54.1
54 46.7 39.1 58.7



#9
Naphthalene
Concen: 1.12 ng
RT: 10.543 min Scan# 863
Delta R.T. -0.013 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion: 128 Resp: 87520
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.6 16.0

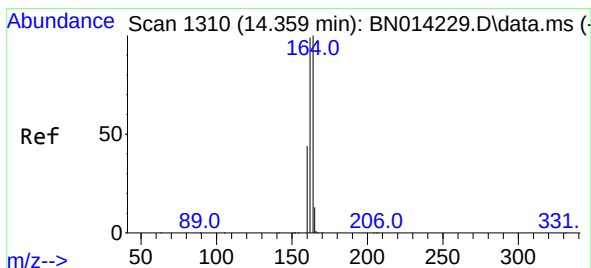
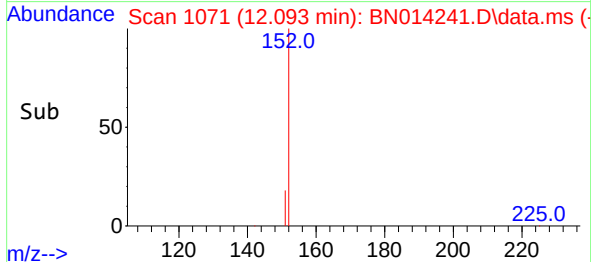
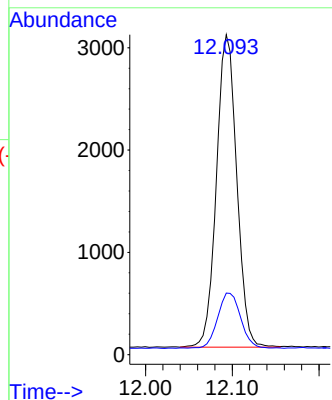
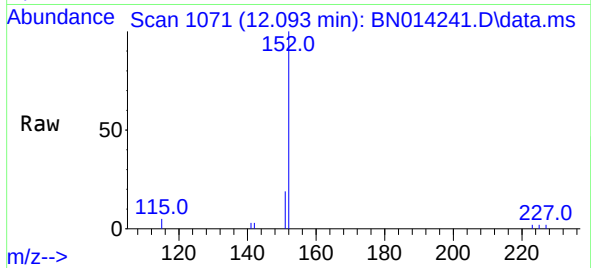




#11
2-Methylnaphthalene-d10
Concen: 0.09 ng
RT: 12.093 min Scan# 1071
Delta R.T. -0.009 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

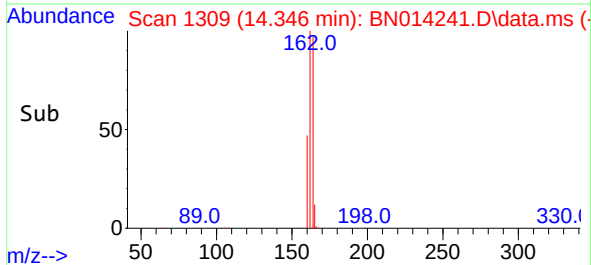
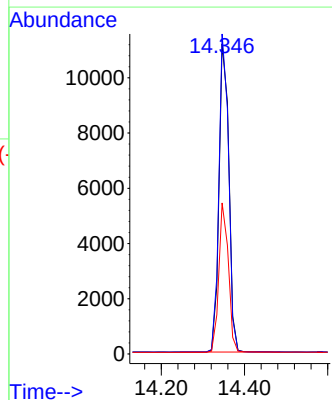
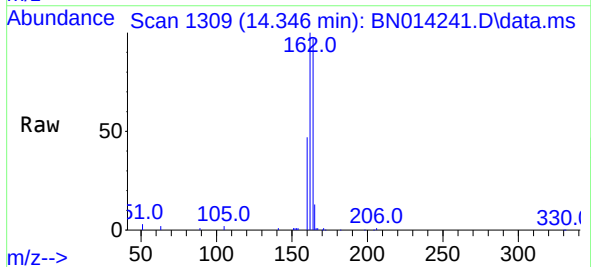
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

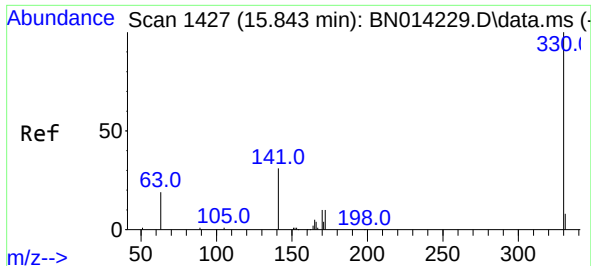
Tgt Ion:152 Resp: 4953
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.346 min Scan# 1309
Delta R.T. -0.013 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:164 Resp: 18380
Ion Ratio Lower Upper
164 100
162 103.2 80.4 120.6
160 48.7 36.0 54.0

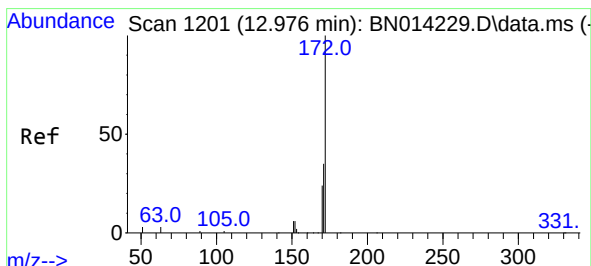
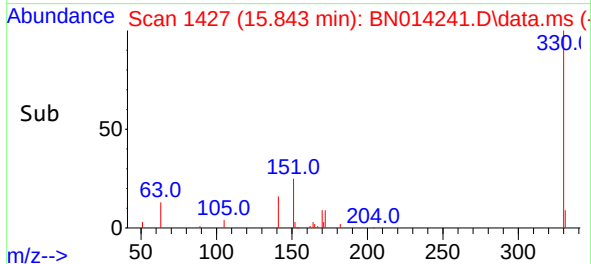
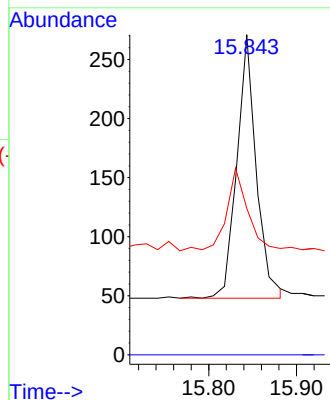
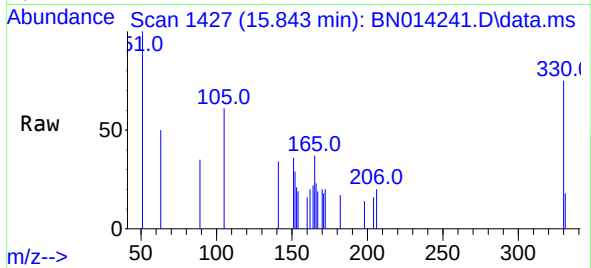




#14
2,4,6-Tribromophenol
Concen: 0.04 ng
RT: 15.843 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

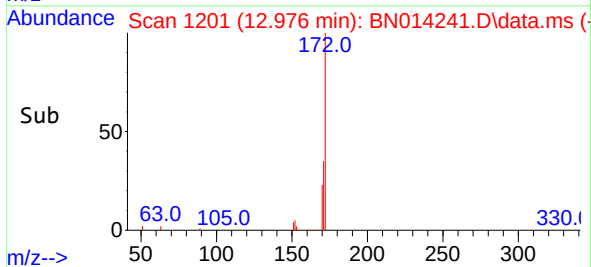
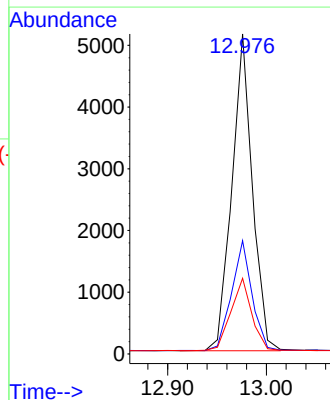
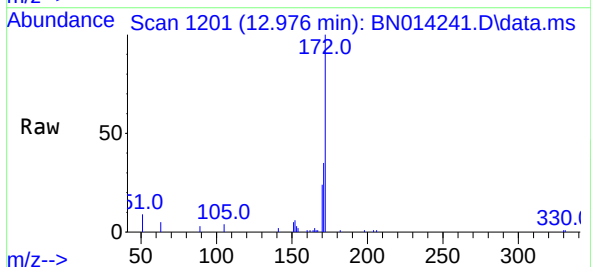
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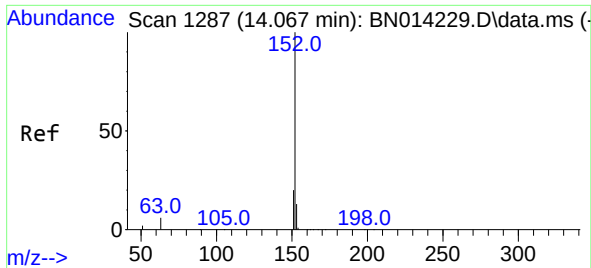
Tgt Ion:330 Resp: 342
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 32.2 30.6 45.8



#15
2-Fluorobiphenyl
Concen: 0.12 ng
RT: 12.976 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:172 Resp: 7419
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.6
170 23.6 18.7 28.1

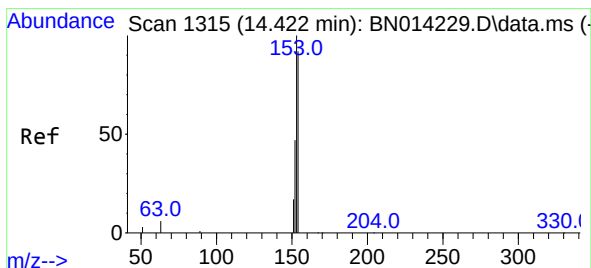
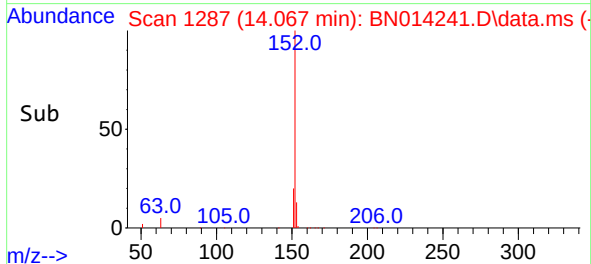
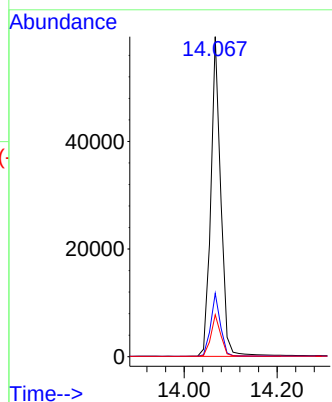
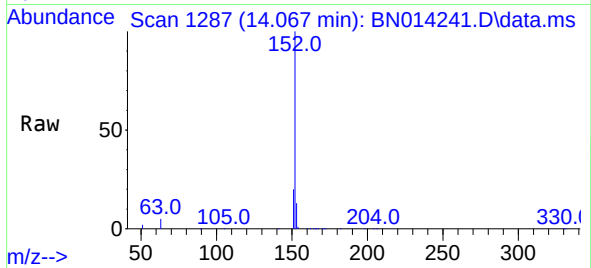




#16
Acenaphthylene
Concen: 1.06 ng
RT: 14.067 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

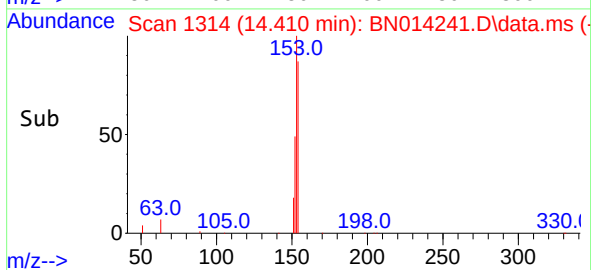
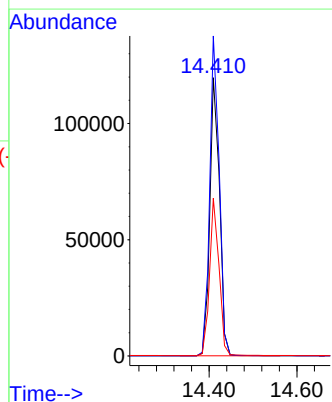
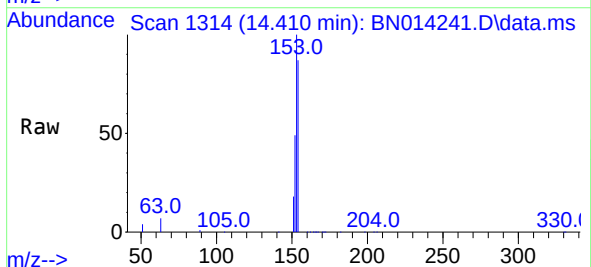
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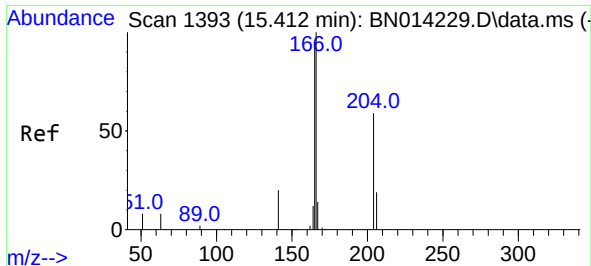
Tgt Ion:152	Resp:	88826
Ion Ratio	Lower	Upper
152	100	
151	19.6	15.5 23.3
153	13.1	10.5 15.7



#17
Acenaphthene
Concen: 3.50 ng
RT: 14.410 min Scan# 1314
Delta R.T. -0.013 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:154	Resp:	182274
Ion Ratio	Lower	Upper
154	100	
153	113.3	88.8 133.2
152	55.4	43.8 65.6

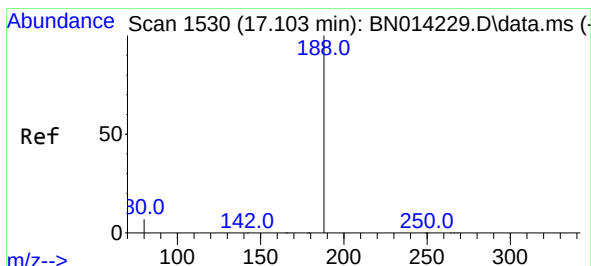
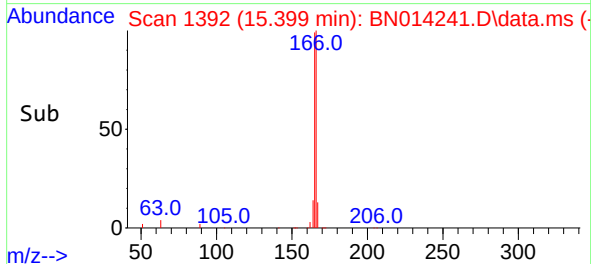
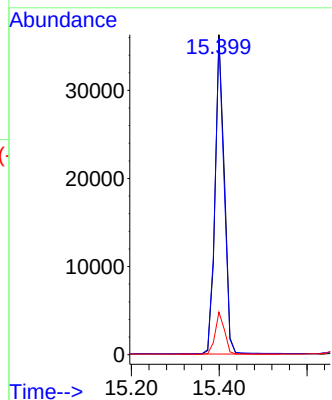
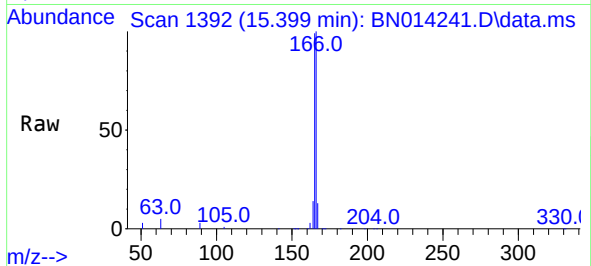




#18
Fluorene
Concen: 0.78 ng
RT: 15.399 min Scan# 1392
Delta R.T. -0.013 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

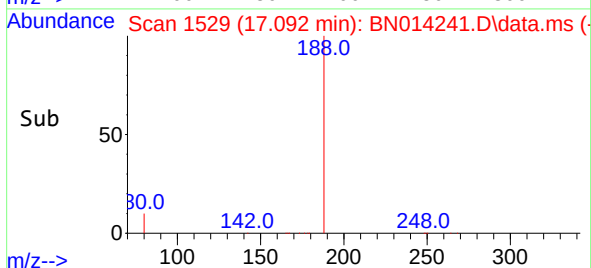
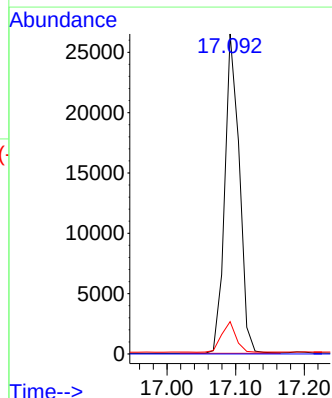
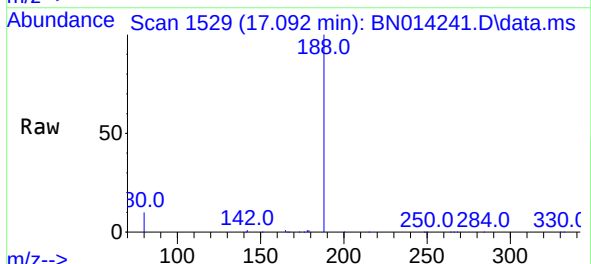
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

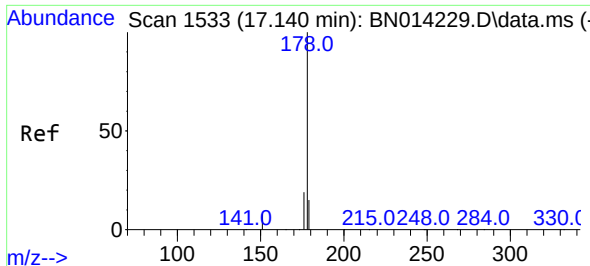
Tgt Ion:166 Resp: 52594
Ion Ratio Lower Upper
166 100
165 97.8 78.6 118.0
167 13.2 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.092 min Scan# 1529
Delta R.T. -0.012 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:188 Resp: 38968
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.1 6.2 9.2#

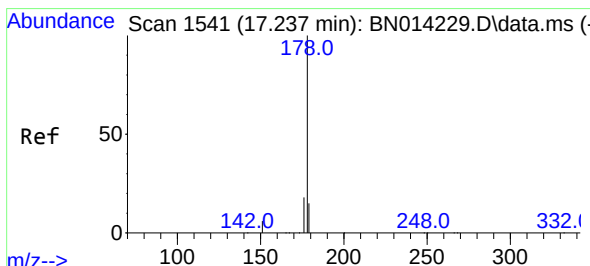
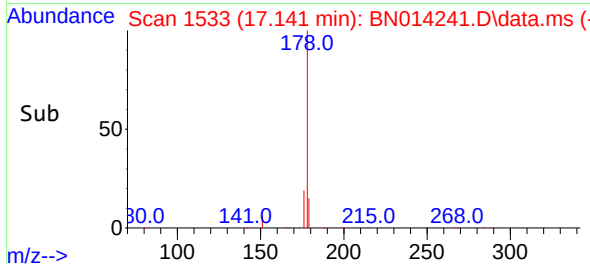
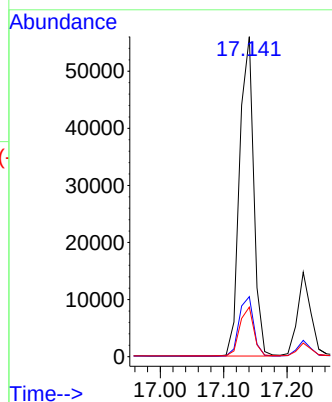
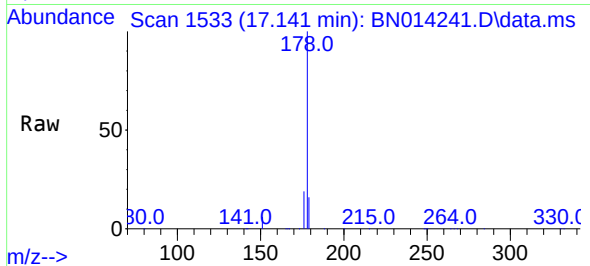




#25
Phenanthrene
Concen: 0.84 ng
RT: 17.141 min Scan# 1533
Delta R.T. 0.001 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

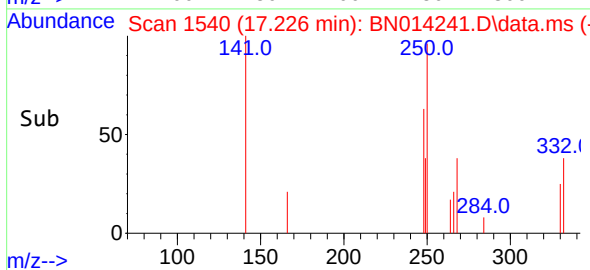
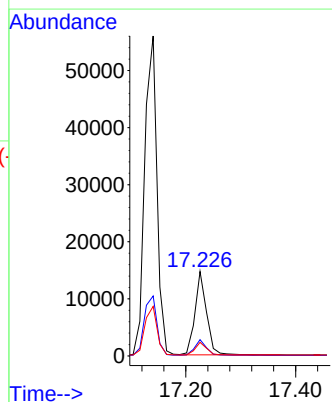
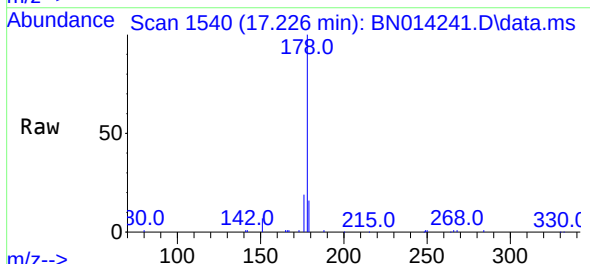
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

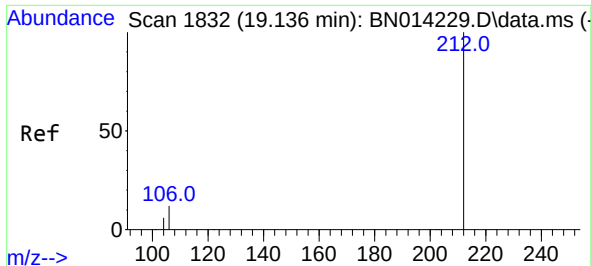
Tgt Ion:178 Resp: 86936
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.3 12.2 18.4



#26
Anthracene
Concen: 0.21 ng
RT: 17.226 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:178 Resp: 21512
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.3 12.3 18.5

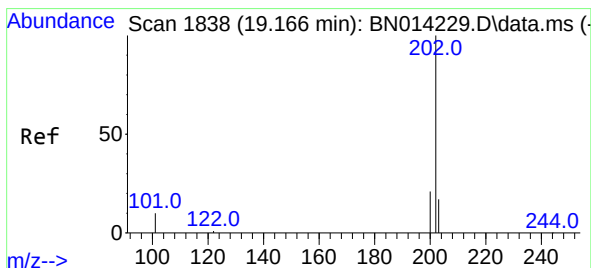
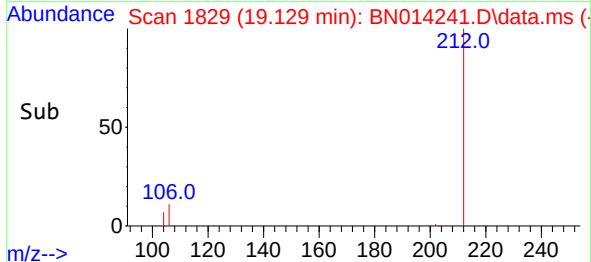
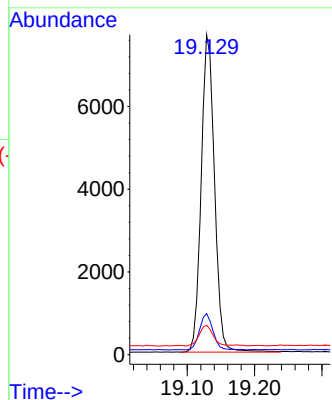
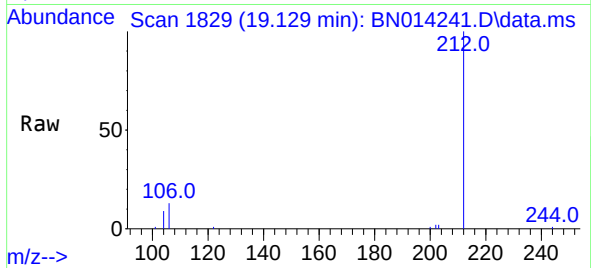




#27
Fluoranthene-d10
Concen: 0.09 ng
RT: 19.129 min Scan# 1829
Delta R.T. -0.007 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

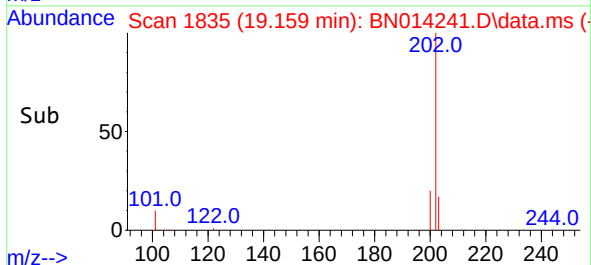
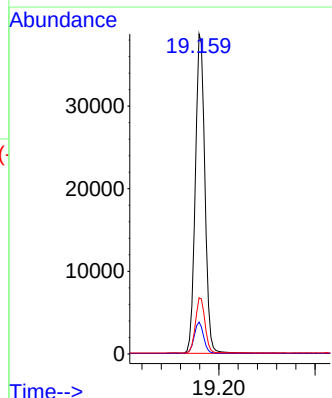
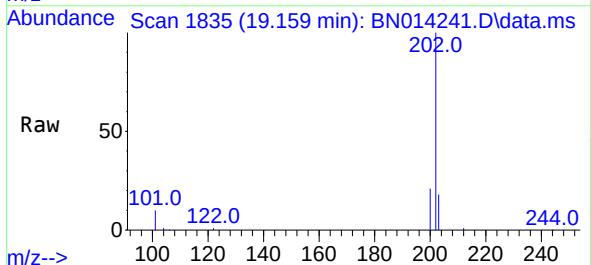
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

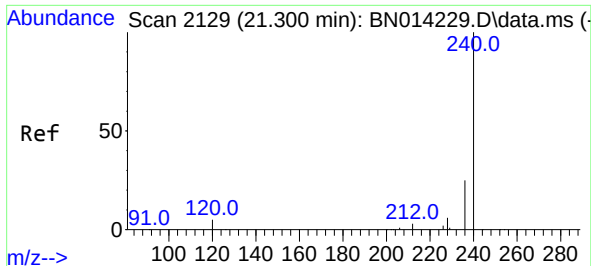
Tgt Ion:212 Resp: 10577
Ion Ratio Lower Upper
212 100
106 11.3 10.1 15.1
104 6.7 5.6 8.4



#28
Fluoranthene
Concen: 0.44 ng
RT: 19.159 min Scan# 1835
Delta R.T. -0.007 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:202 Resp: 53808
Ion Ratio Lower Upper
202 100
101 9.6 8.6 13.0
203 17.2 13.8 20.6

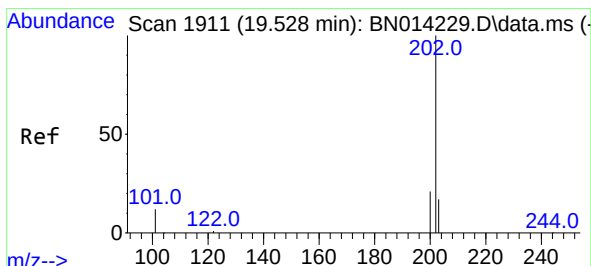
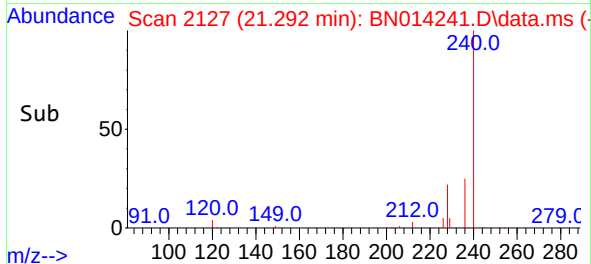
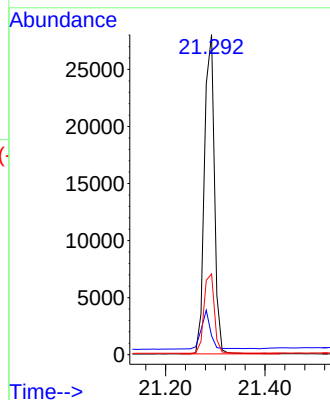
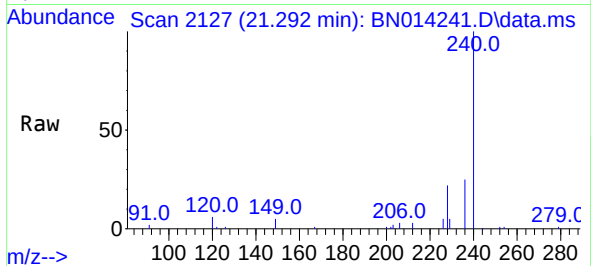




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.292 min Scan# 2127
Delta R.T. -0.008 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

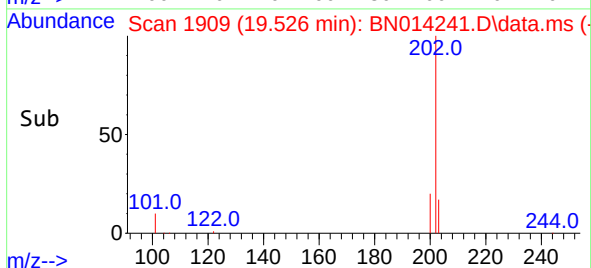
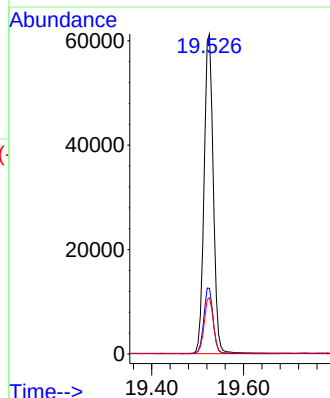
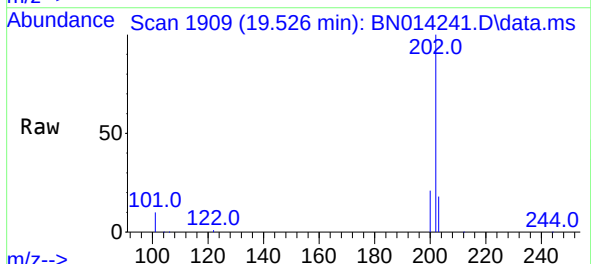
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

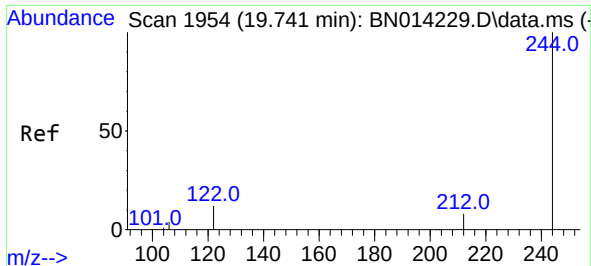
Tgt Ion:240 Resp: 39070
Ion Ratio Lower Upper
240 100
120 5.9 10.8 16.2#
236 25.3 21.4 32.2



#30
Pyrene
Concen: 0.68 ng
RT: 19.526 min Scan# 1909
Delta R.T. -0.002 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:202 Resp: 84989
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 17.5 13.9 20.9

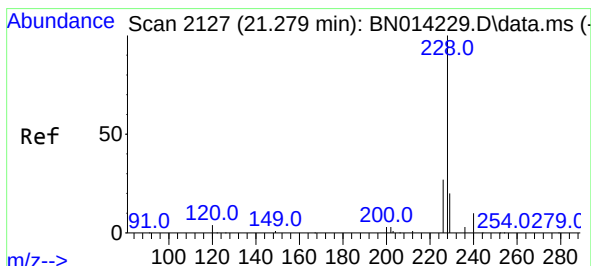
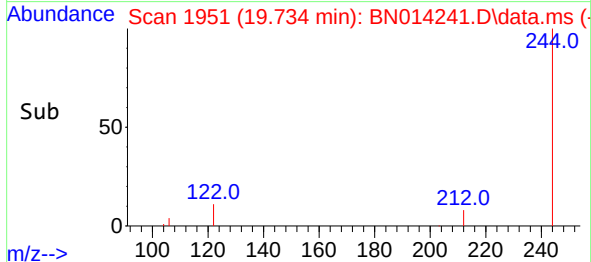
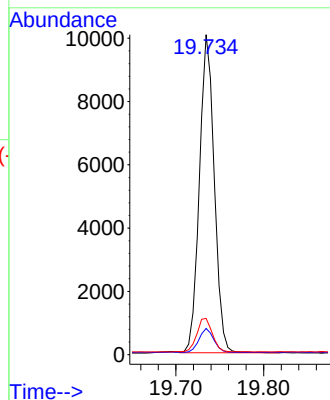
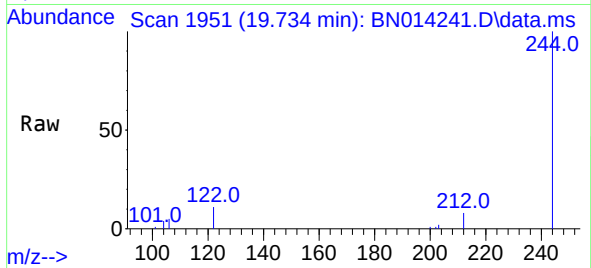




#31
Terphenyl-d14
Concen: 0.13 ng
RT: 19.734 min Scan# 1951
Delta R.T. -0.007 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

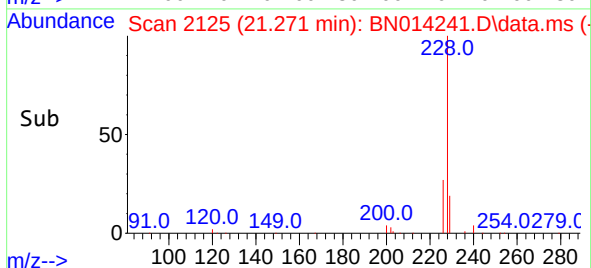
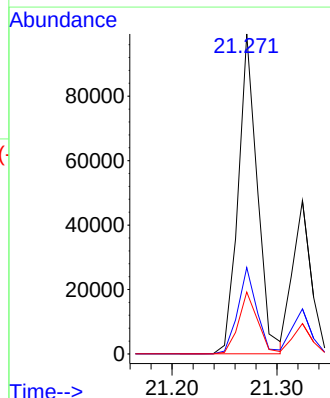
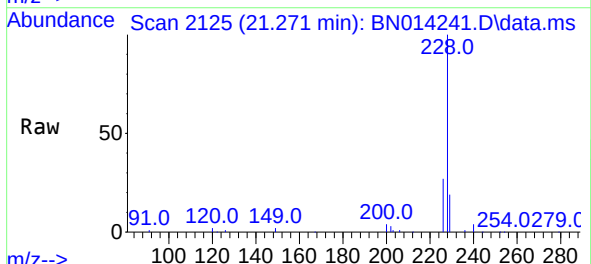
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

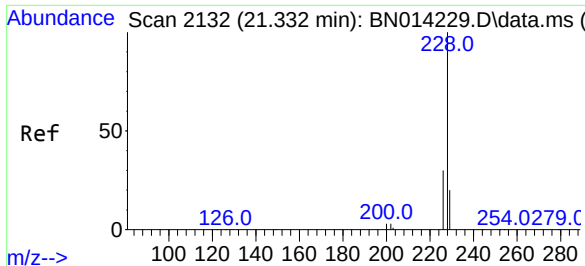
Tgt Ion:244 Resp: 11823
Ion Ratio Lower Upper
244 100
212 8.2 5.9 8.9
122 11.3 9.2 13.8



#32
Benzo(a)anthracene
Concen: 1.01 ng
RT: 21.271 min Scan# 2125
Delta R.T. -0.008 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:228 Resp: 125657
Ion Ratio Lower Upper
228 100
226 27.0 21.1 31.7
229 19.4 15.8 23.8



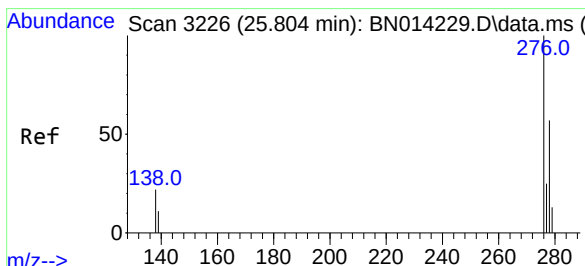
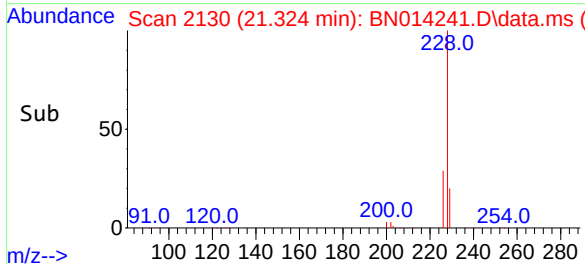
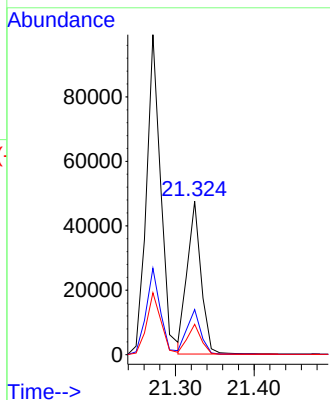
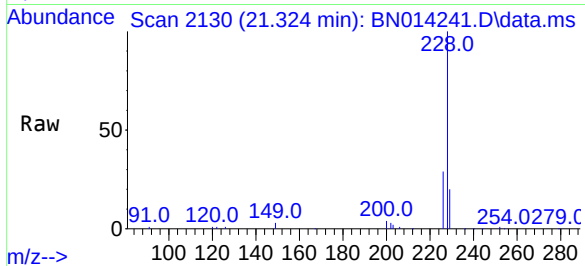


#33
Chrysene
Concen: 0.48 ng
RT: 21.324 min Scan# 2130
Delta R.T. -0.008 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:228 Resp: 58089

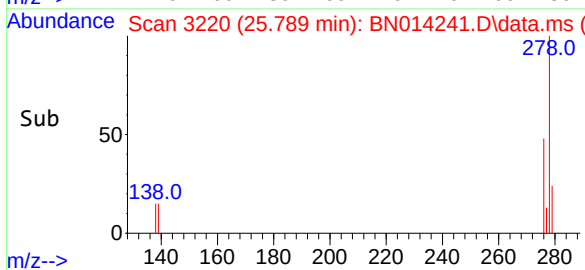
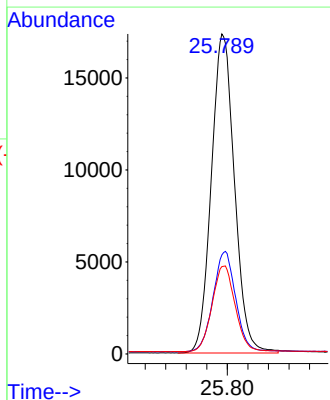
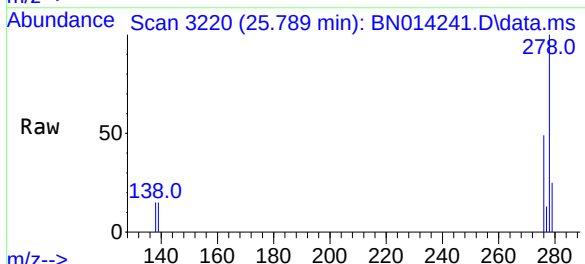
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	19.8	15.8	23.8

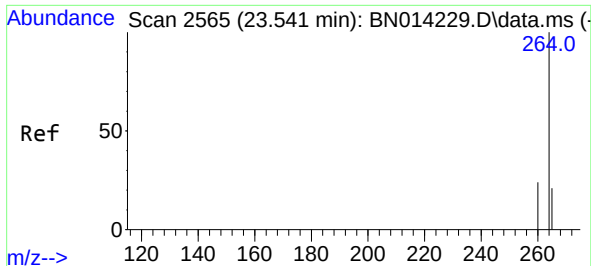


#35
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 25.789 min Scan# 3220
Delta R.T. -0.014 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:276 Resp: 54146

Ion	Ratio	Lower	Upper
276	100		
138	30.7	18.6	27.8#
277	26.9	19.8	29.8

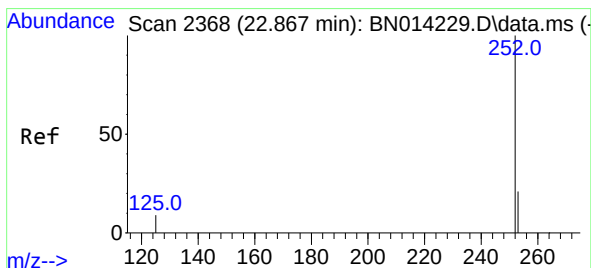
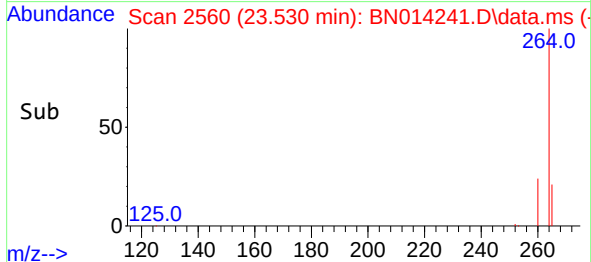
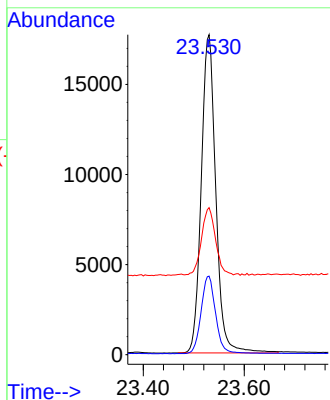
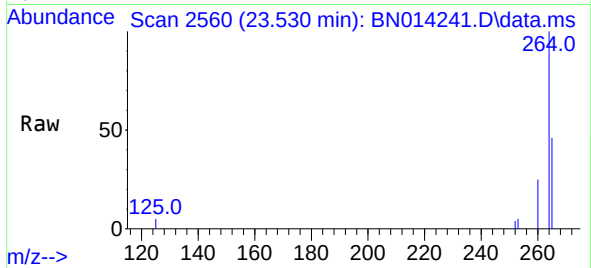




#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.530 min Scan# 2560
 Delta R.T. -0.011 min
 Lab File: BN014241.D
 Acq: 08 Apr 2021 17:47

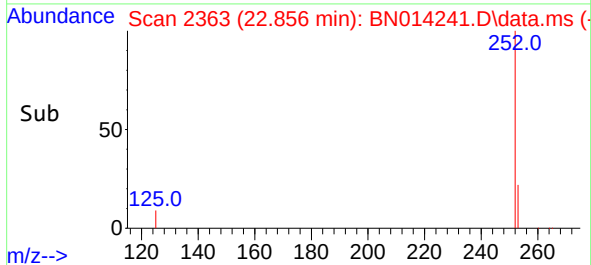
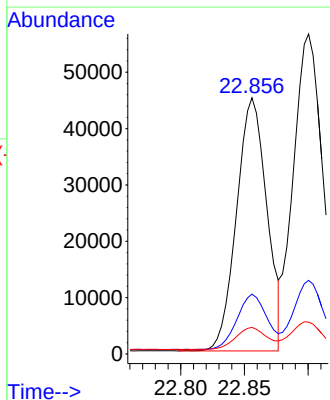
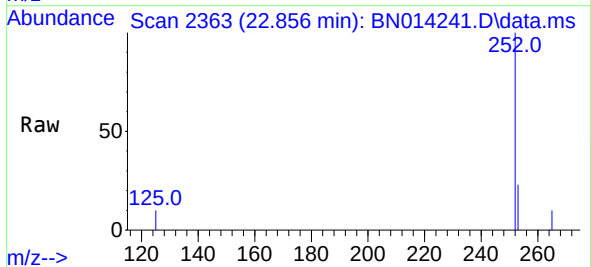
Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

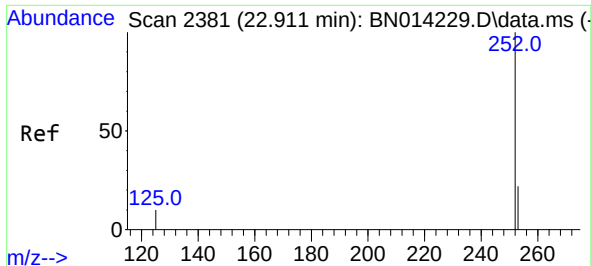
Tgt Ion:264 Resp: 35278
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.7 29.5
 265 45.9 19.2 28.8#



#37
 Benzo(b)fluoranthene
 Concen: 0.64 ng
 RT: 22.856 min Scan# 2363
 Delta R.T. -0.011 min
 Lab File: BN014241.D
 Acq: 08 Apr 2021 17:47

Tgt Ion:252 Resp: 74192
 Ion Ratio Lower Upper
 252 100
 253 23.4 18.5 27.7
 125 10.4 10.3 15.5

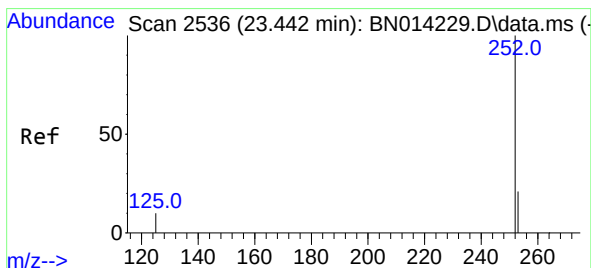
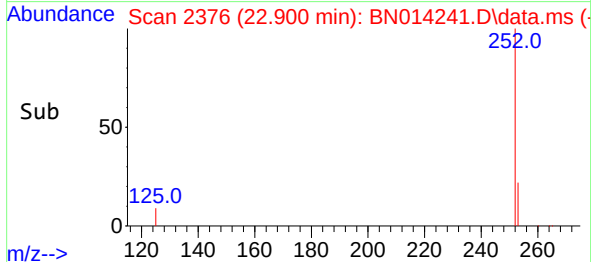
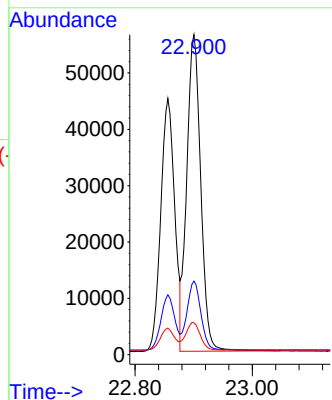
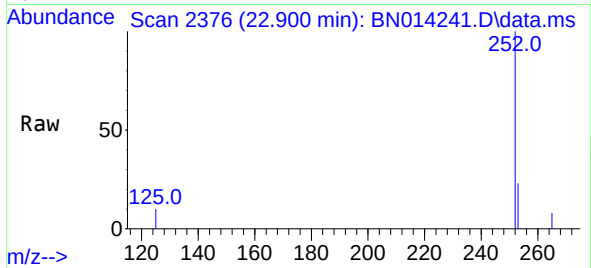




#38
Benzo(k)fluoranthene
Concen: 0.83 ng
RT: 22.900 min Scan# 2376
Delta R.T. -0.011 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

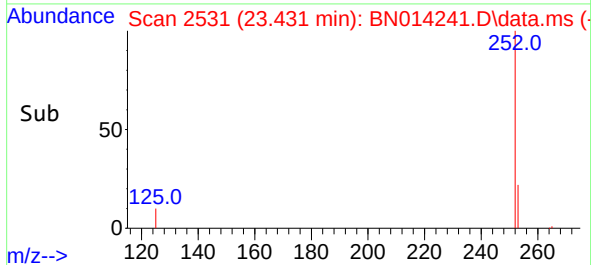
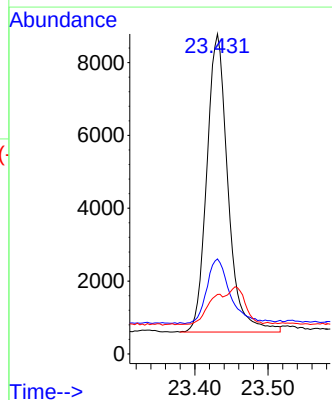
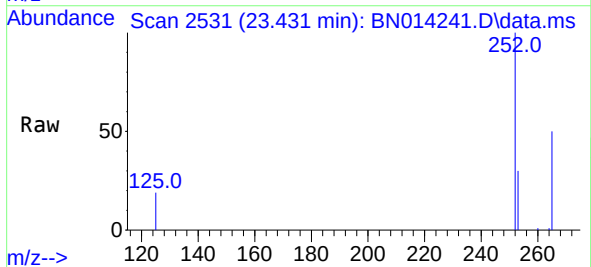
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

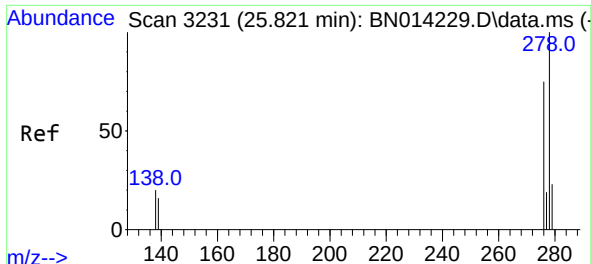
Tgt Ion:252 Resp: 92587
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 9.9 7.8 11.6



#39
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.431 min Scan# 2531
Delta R.T. -0.011 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:252 Resp: 16451
Ion Ratio Lower Upper
252 100
253 29.7 19.4 29.2#
125 18.6 16.6 24.8

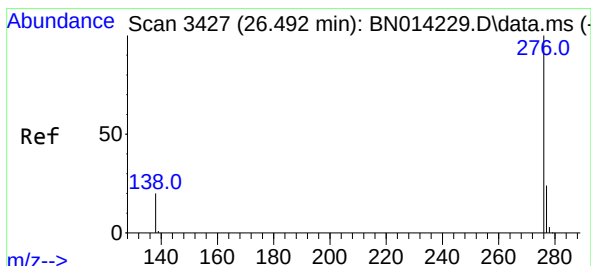
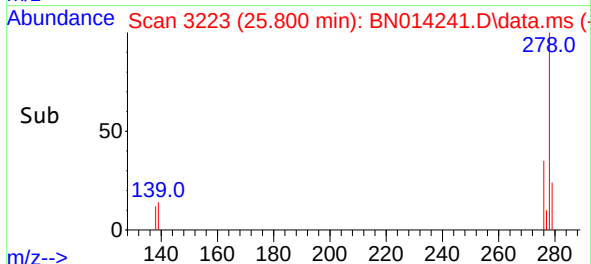
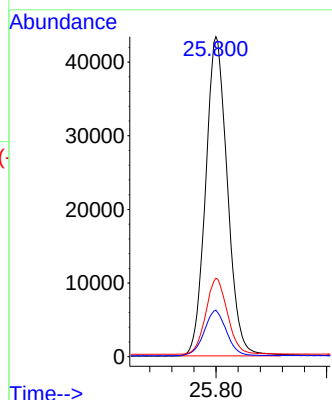
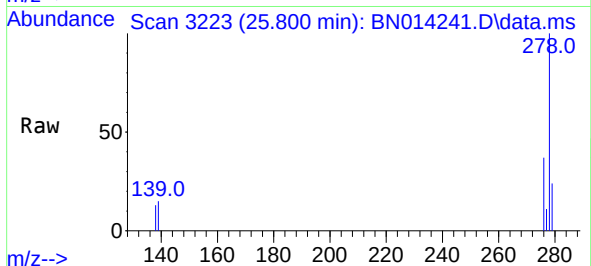




#40
Dibenzo(a,h)anthracene
Concen: 1.08 ng
RT: 25.800 min Scan# 3223
Delta R.T. -0.021 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:278 Resp: 118489
Ion Ratio Lower Upper
278 100
139 14.6 12.6 19.0
279 24.5 19.4 29.0



#41
Benzo(g,h,i)perylene
Concen: 0.25 ng
RT: 26.474 min Scan# 3420
Delta R.T. -0.018 min
Lab File: BN014241.D
Acq: 08 Apr 2021 17:47

Tgt Ion:276 Resp: 27458
Ion Ratio Lower Upper
276 100
277 24.5 18.9 28.3
138 19.7 16.4 24.6

