

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN070721\
 Data File : BN015394.D
 Acq On : 08 Jul 2021 05:21
 Operator : CG/JU
 Sample : M2953-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jul 08 06:45:56 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 07 11:11:38 2021
 Response via : Initial Calibration

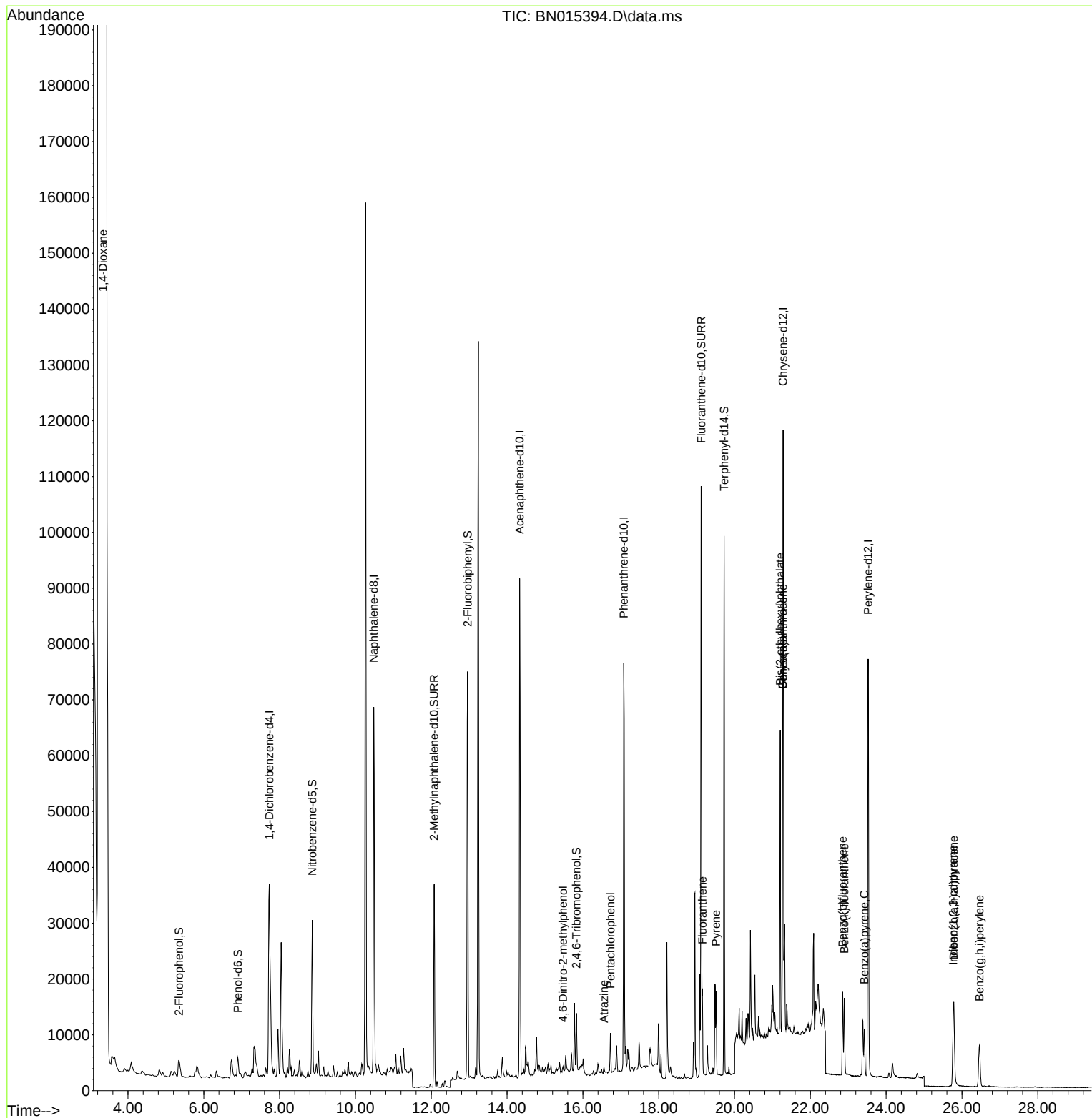
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.725	152	20264	0.40	ng	# 0.00
7) Naphthalene-d8	10.483	136	92474	0.40	ng	# 0.00
13) Acenaphthene-d10	14.332	164	53511	0.40	ng	0.00
19) Phenanthrene-d10	17.078	188	105575	0.40	ng	0.00
29) Chrysene-d12	21.280	240	95068	0.40	ng	#-0.01
35) Perylene-d12	23.525	264	92675	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.346	112	5913	0.11	ng	0.00
5) Phenol-d6	6.895	99	4122	0.06	ng	0.00
8) Nitrobenzene-d5	8.860	82	23534	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.074	152	49581	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.829	330	7534	0.55	ng	0.00
15) 2-Fluorobiphenyl	12.962	172	68475	0.31	ng	0.00
27) Fluoranthene-d10	19.122	212	118870	0.38	ng	0.00
31) Terphenyl-d14	19.723	244	94301	0.42	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.336	88	156796	16.50	ng	# 64
20) 4,6-Dinitro-2-methylph...	15.474	198	85	0.24	ng	# 16
23) Atrazine	16.555	200	713	0.19	ng	# 81
24) Pentachlorophenol	16.725	266	4869	0.61	ng	# 37
28) Fluoranthene	19.152	202	12846	0.04	ng	# 98
30) Pyrene	19.515	202	13282	0.04	ng	98
32) Benzo(a)anthracene	21.270	228	15481	0.05	ng	95
33) Chrysene	21.270	228	15367	0.04	ng	93
34) Bis(2-ethylhexyl)phtha...	21.206	149	44802	0.53	ng	# 88
36) Indeno(1,2,3-cd)pyrene	25.771	276	17472	0.05	ng	# 87
37) Benzo(b)fluoranthene	22.851	252	17855	0.05	ng	# 84
38) Benzo(k)fluoranthene	22.896	252	16713	0.04	ng	# 88
39) Benzo(a)pyrene	23.426	252	11001	0.03	ng	# 72
40) Dibenzo(a,h)anthracene	25.785	278	14601	0.06	ng	# 91
41) Benzo(g,h,i)perylene	26.459	276	15164	0.05	ng	# 89

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

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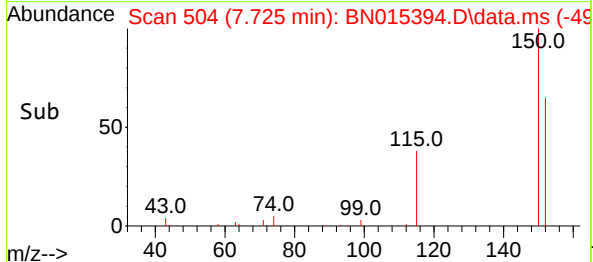
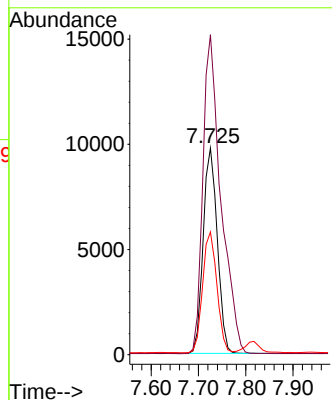
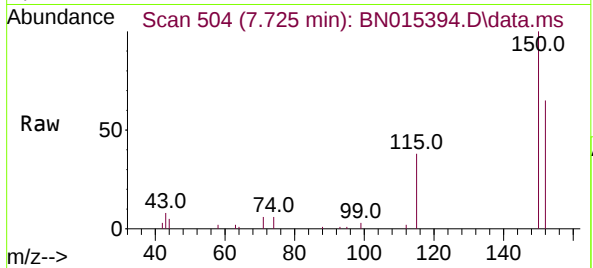




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.725 min Scan# 504
 Delta R.T. 0.000 min
 Lab File: BN015394.D
 Acq: 08 Jul 2021 05:21

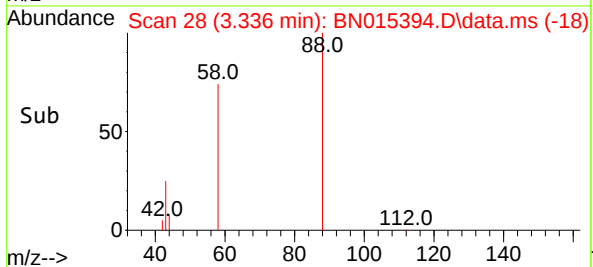
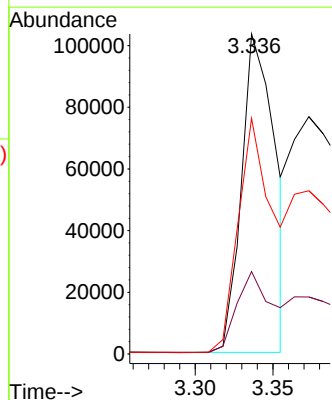
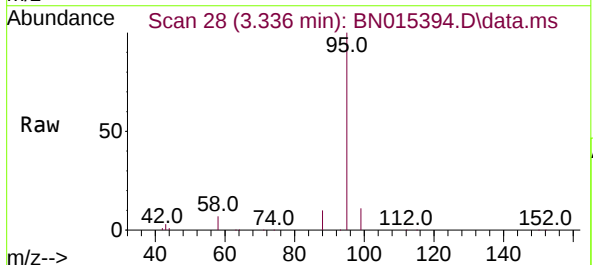
Instrument :
 BNA_N
 ClientSampled :

Tgt Ion:152 Resp: 20264
 Ion Ratio Lower Upper
 152 100
 150 154.7 119.0 178.6
 115 59.4 62.2 93.4#



#2
 1,4-Dioxane
 Concen: 16.50 ng
 RT: 3.336 min Scan# 28
 Delta R.T. -0.009 min
 Lab File: BN015394.D
 Acq: 08 Jul 2021 05:21

Tgt Ion: 88 Resp: 156796
 Ion Ratio Lower Upper
 88 100
 43 26.7 12.9 19.3#
 58 74.5 38.1 57.1#

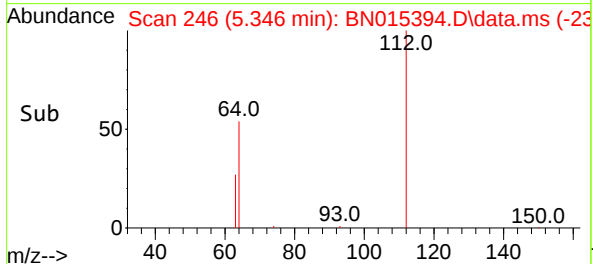
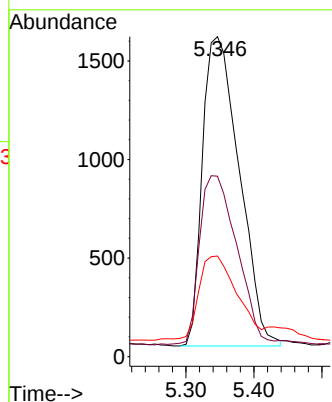
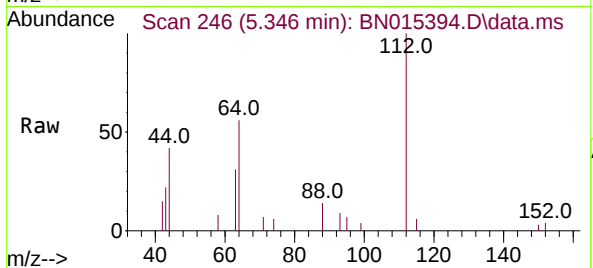




#4
2-Fluorophenol
Concen: 0.11 ng
RT: 5.346 min Scan# 246
Delta R.T. 0.009 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

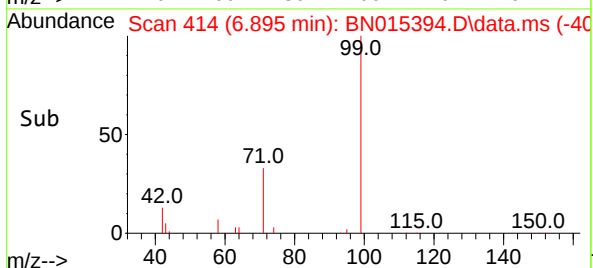
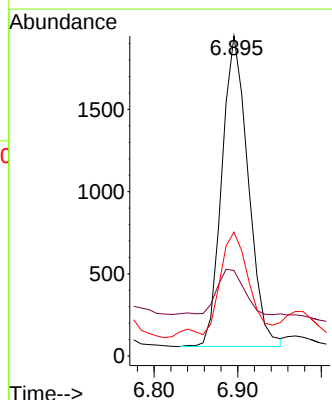
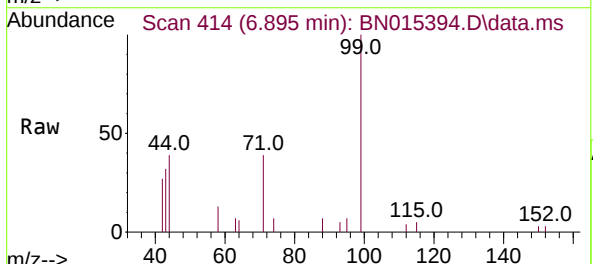
Instrument :
BNA_N
ClientSampled :

Tgt Ion:	112	Resp:	5913
Ion	Ratio	Lower	Upper
112	100		
64	55.9	39.0	58.6
63	28.4	20.6	30.8



#5
Phenol-d6
Concen: 0.06 ng
RT: 6.895 min Scan# 414
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:	99	Resp:	4122
Ion	Ratio	Lower	Upper
99	100		
42	15.1	8.9	13.3#
71	35.2	35.6	53.4#

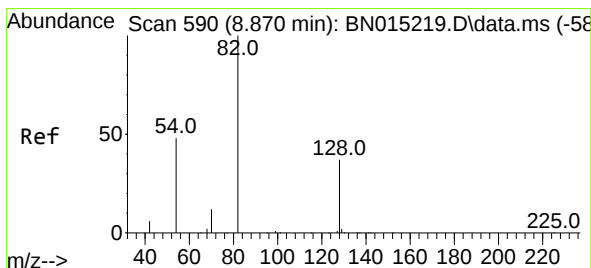
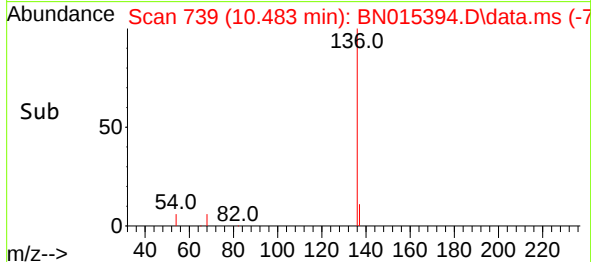
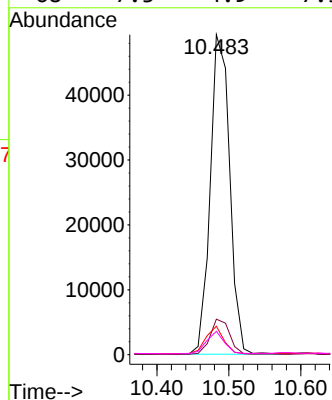
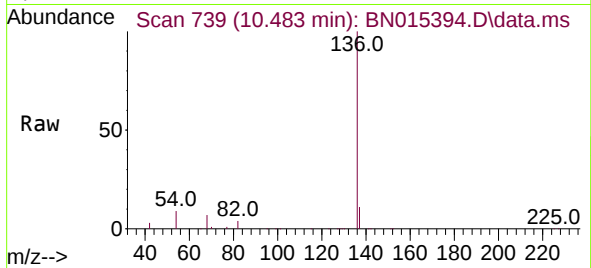




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.483 min Scan# 739
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

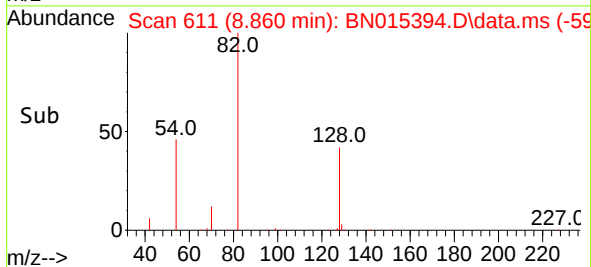
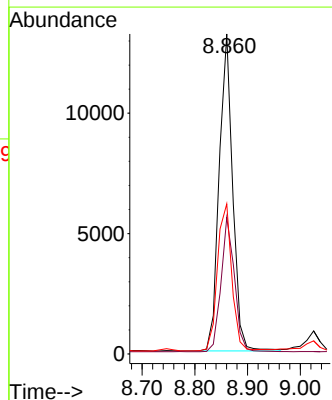
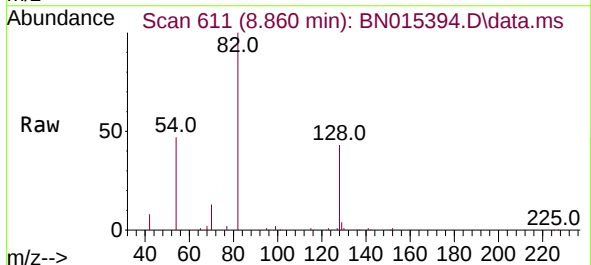
Instrument :
BNA_N
ClientSampled :

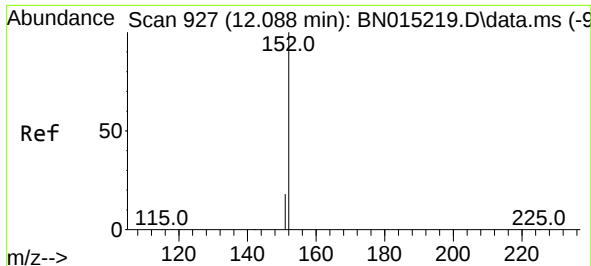
Tgt Ion:	136	Resp:	92474
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.8	14.8
54	8.9	5.4	8.2#
68	7.3	4.9	7.3



#8
Nitrobenzene-d5
Concen: 0.45 ng
RT: 8.860 min Scan# 611
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:	82	Resp:	23534
Ion Ratio	Lower	Upper	
82	100		
128	42.6	31.6	47.4
54	46.9	29.0	43.4#

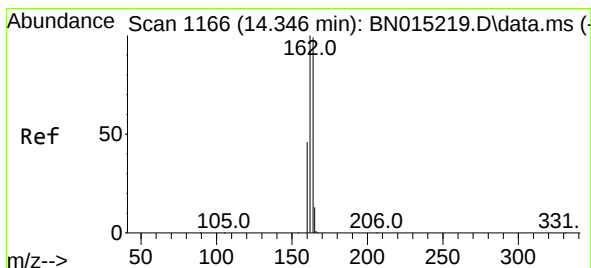
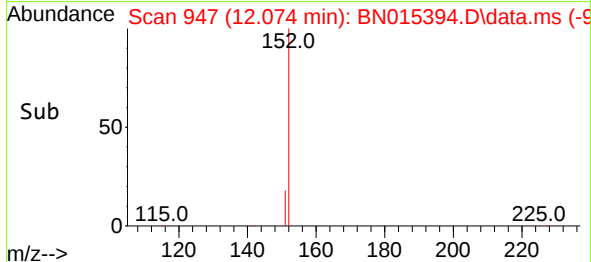
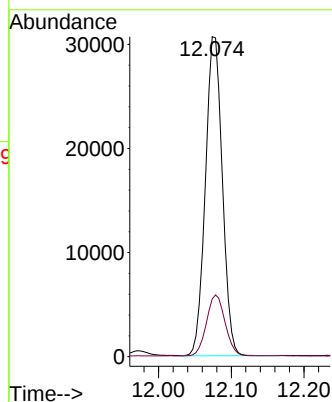
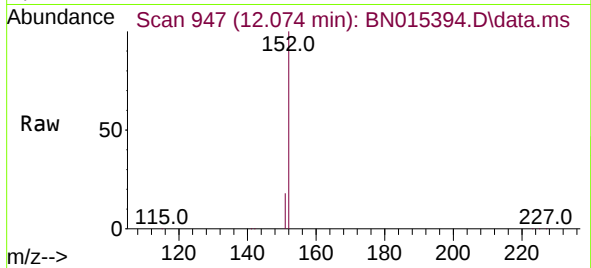




#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 12.074 min Scan# 947
Delta R.T. -0.005 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

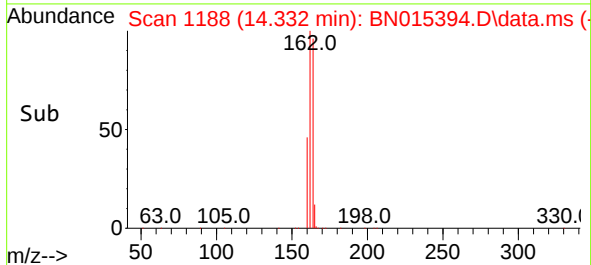
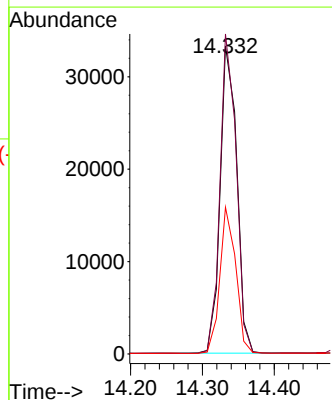
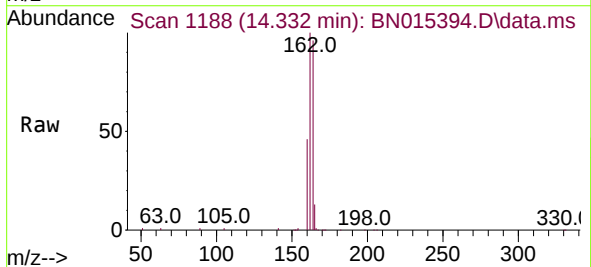
Instrument :
BNA_N
ClientSampled :

Tgt Ion:152 Resp: 49581
Ion Ratio Lower Upper
152 100
151 20.9 16.7 25.1



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.332 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:164 Resp: 53511
Ion Ratio Lower Upper
164 100
162 103.9 83.8 125.6
160 47.6 37.4 56.0

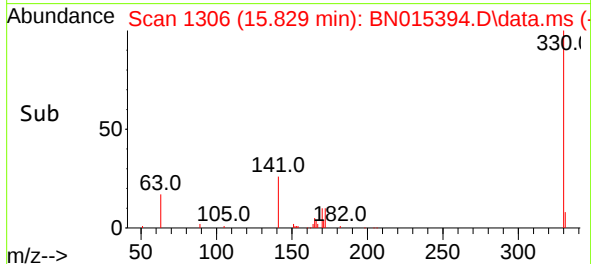
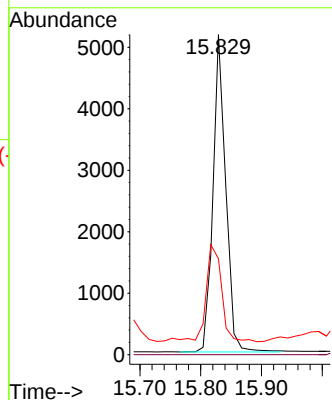
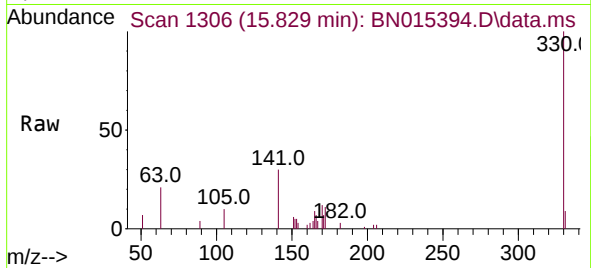




#14
2,4,6-Tribromophenol
Concen: 0.55 ng
RT: 15.829 min Scan# 1306
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

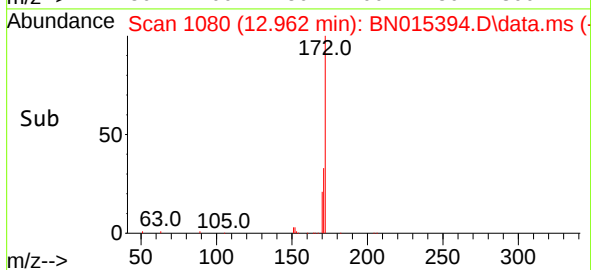
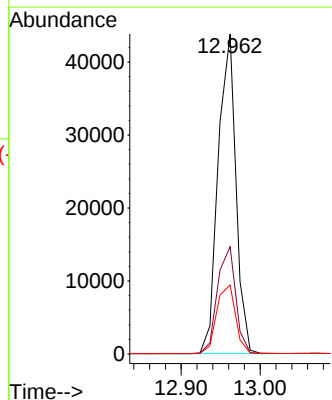
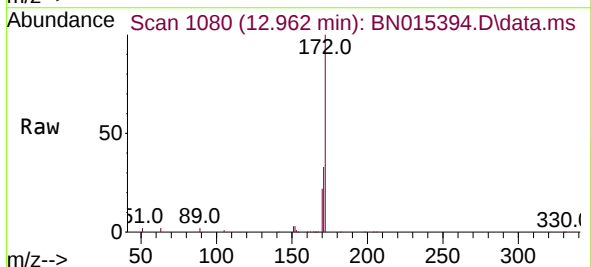
Instrument :
BNA_N
ClientSampleId :

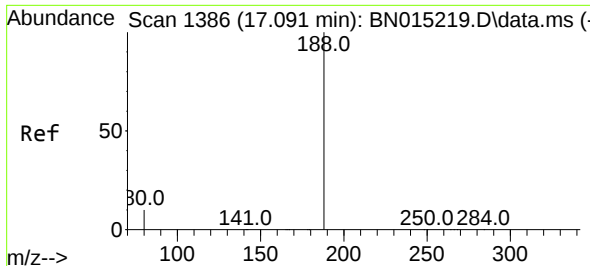
Tgt Ion:330 Resp: 7534
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.6 22.4 33.6#



#15
2-Fluorobiphenyl
Concen: 0.31 ng
RT: 12.962 min Scan# 1080
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:172 Resp: 68475
Ion Ratio Lower Upper
172 100
171 33.5 30.6 45.8
170 21.6 20.2 30.4

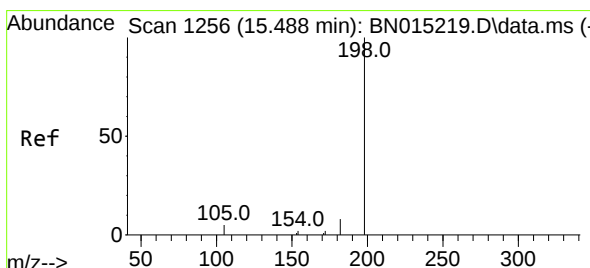
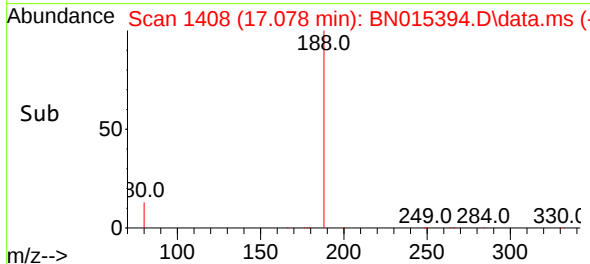
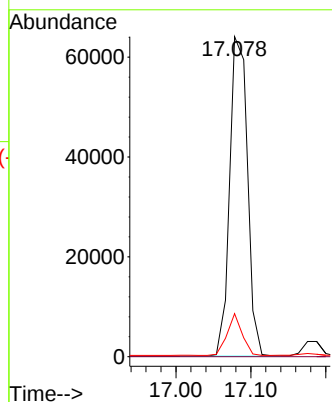
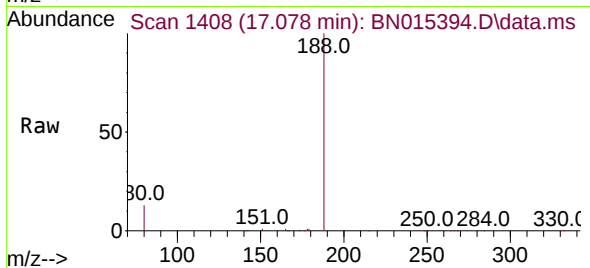




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.078 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

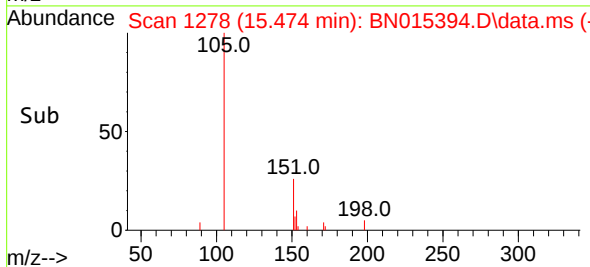
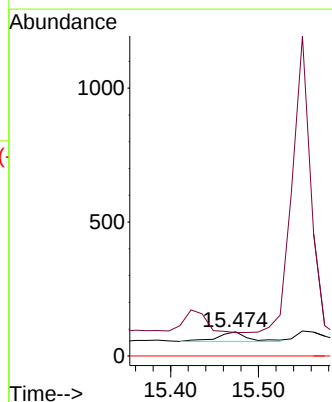
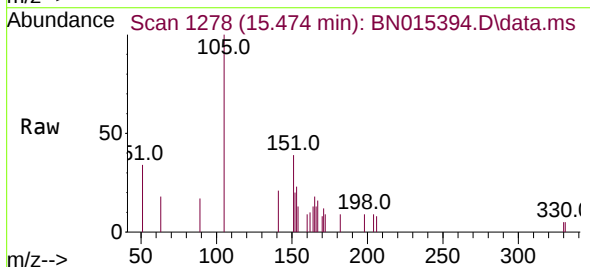
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BNA_N
ClientSampleId :

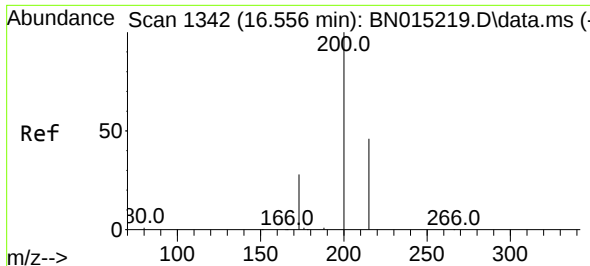
Tgt Ion:188 Resp: 105575
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.4 9.0 13.4



#20
4,6-Dinitro-2-methylphenol
Concen: 0.24 ng
RT: 15.474 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:198 Resp: 85
Ion Ratio Lower Upper
198 100
182 96.7 34.5 51.7#
77 0.0 0.0 0.0

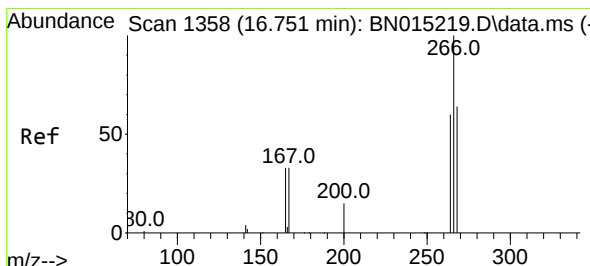
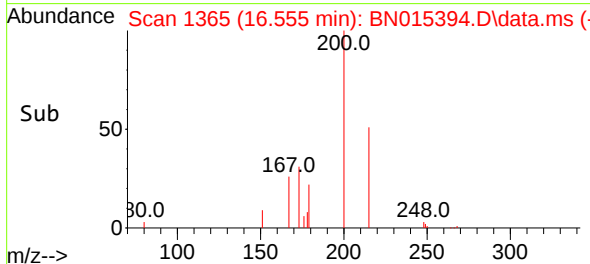
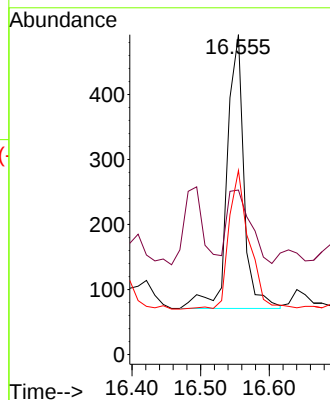
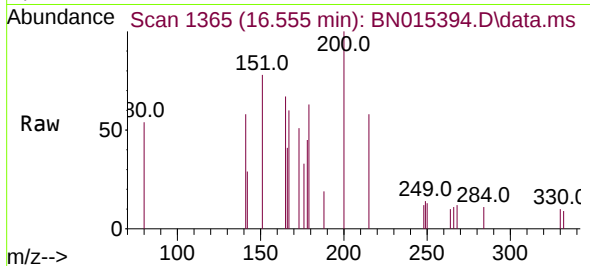




#23
Atrazine
Concen: 0.19 ng
RT: 16.555 min Scan# 1365
Delta R.T. 0.012 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

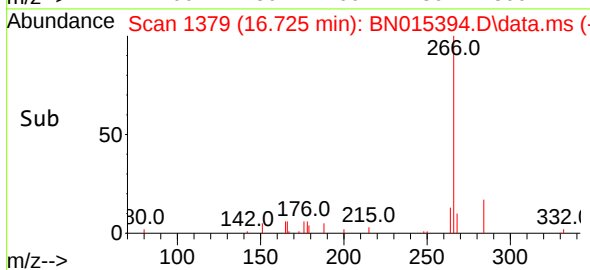
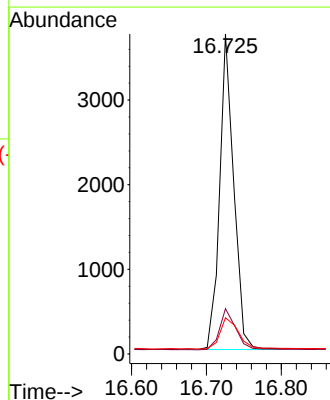
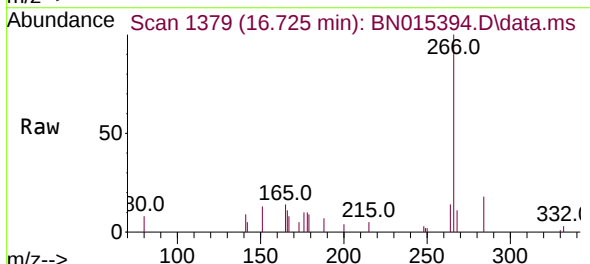
Instrument :
BNA_N
ClientSampled :

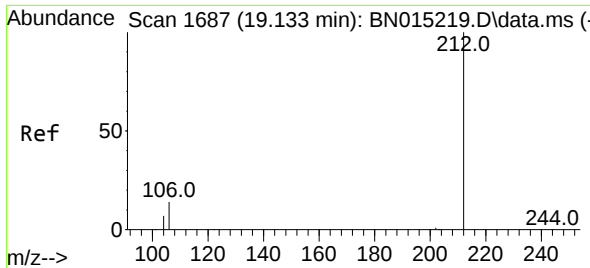
Tgt Ion:200 Resp: 713
Ion Ratio Lower Upper
200 100
173 51.4 21.7 32.5#
215 57.5 43.1 64.7



#24
Pentachlorophenol
Concen: 0.61 ng
RT: 16.725 min Scan# 1379
Delta R.T. -0.012 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:266 Resp: 4869
Ion Ratio Lower Upper
266 100
264 15.2 51.0 76.4#
268 13.4 50.6 76.0#

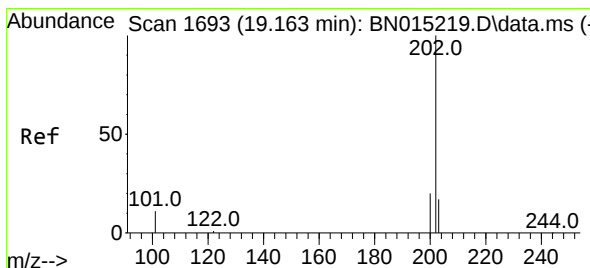
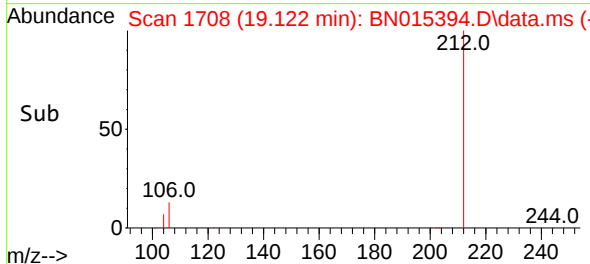
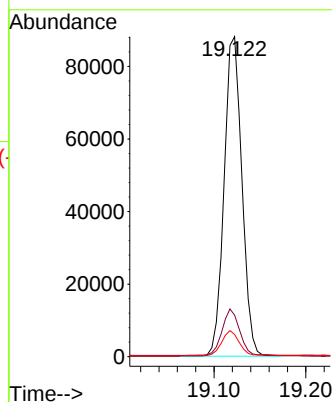
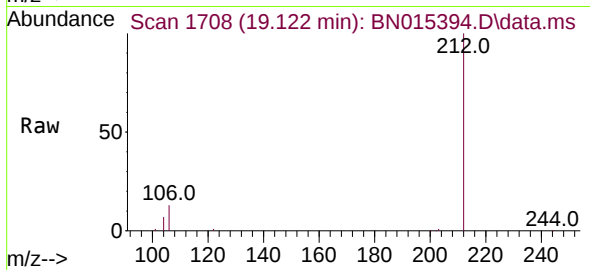




#27
Fluoranthene-d10
Concen: 0.38 ng
RT: 19.122 min Scan# 1708
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

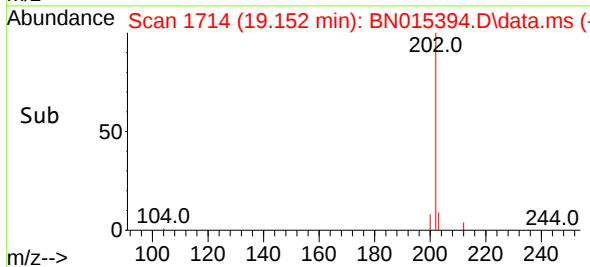
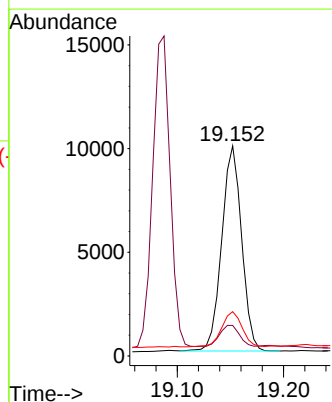
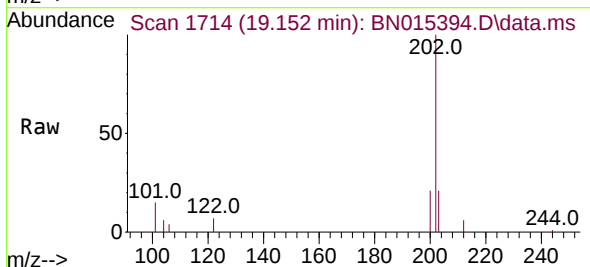
Instrument :
BNA_N
ClientSampleId :

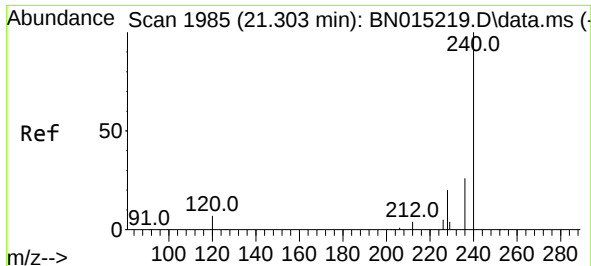
Tgt Ion:212 Resp: 118870
Ion Ratio Lower Upper
212 100
106 14.3 7.0 10.6#
104 7.8 4.1 6.1#



#28
Fluoranthene
Concen: 0.04 ng
RT: 19.152 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:202 Resp: 12846
Ion Ratio Lower Upper
202 100
101 10.4 6.6 10.0#
203 17.6 13.9 20.9

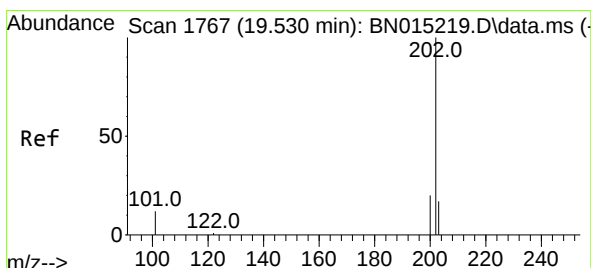
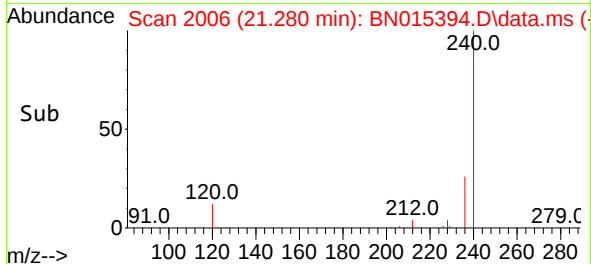
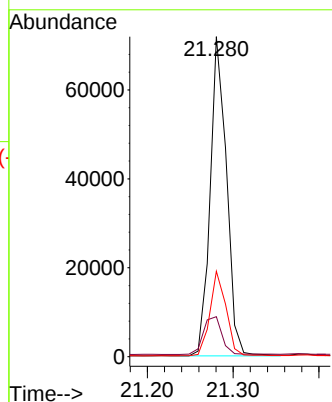
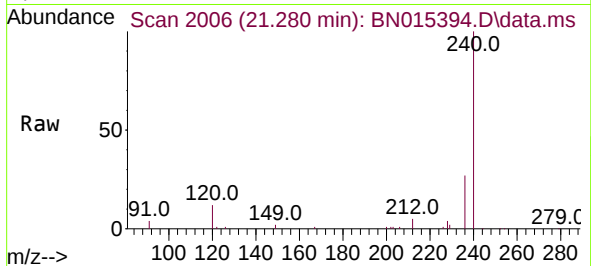




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.280 min Scan# 2006
Delta R.T. -0.011 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

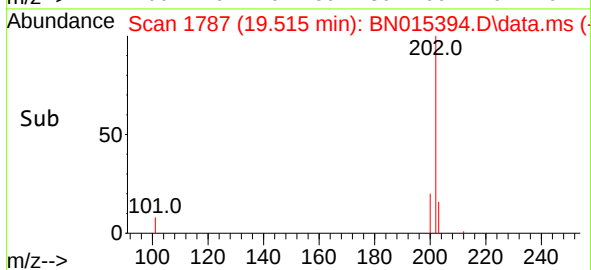
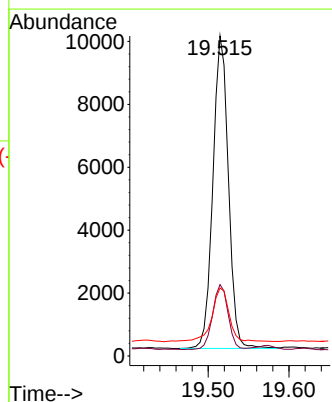
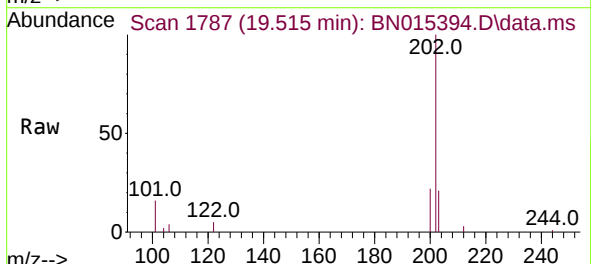
Instrument :
BNA_N
ClientSampled :

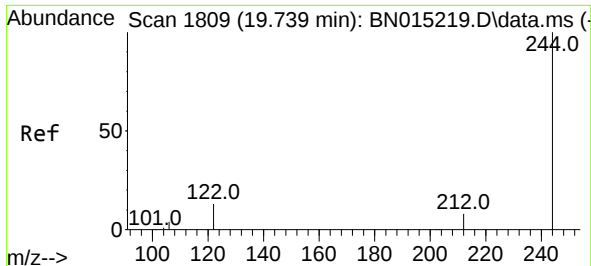
Tgt Ion:240 Resp: 95068
Ion Ratio Lower Upper
240 100
120 12.5 4.2 6.4#
236 26.7 21.4 32.2



#30
Pyrene
Concen: 0.04 ng
RT: 19.515 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:202 Resp: 13282
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 19.2 13.9 20.9

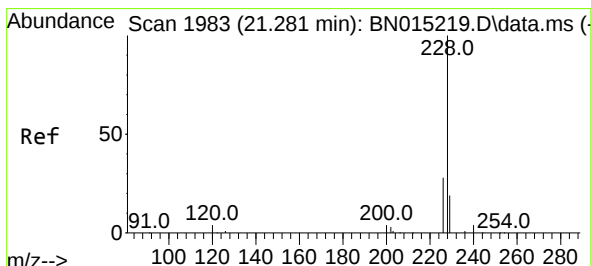
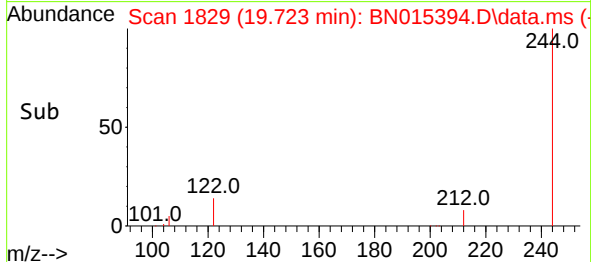
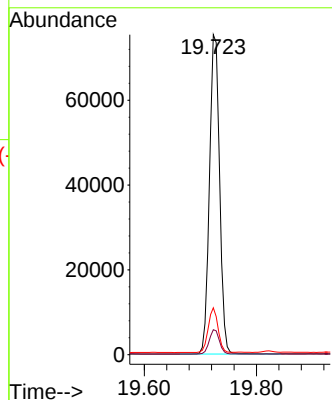
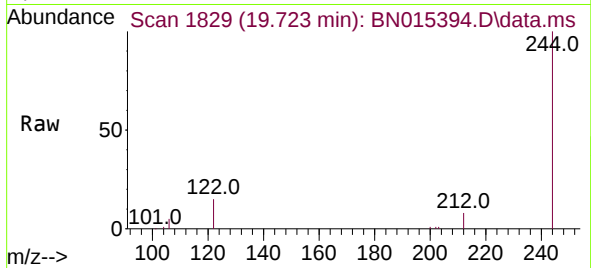




#31
Terphenyl-d14
Concen: 0.42 ng
RT: 19.723 min Scan# 1829
Delta R.T. -0.005 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

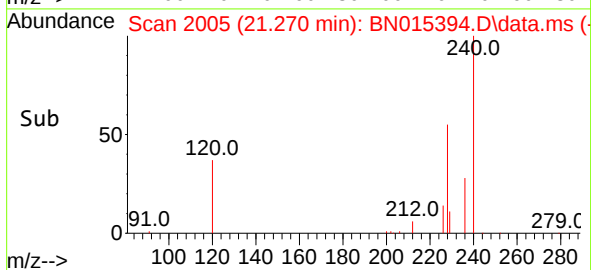
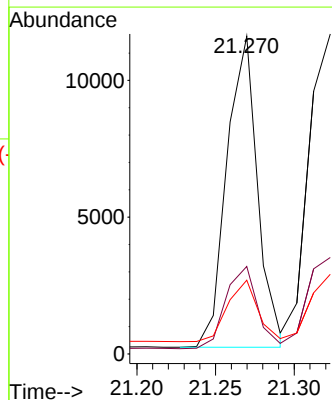
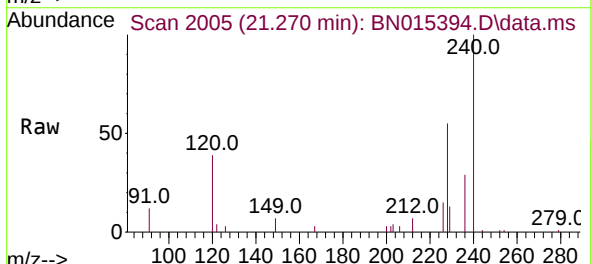
Instrument :
BNA_N
ClientSampleId :

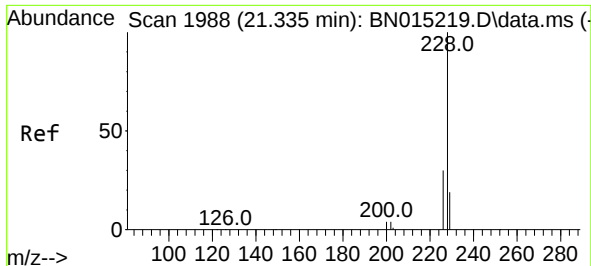
Tgt Ion:244 Resp: 94301
Ion Ratio Lower Upper
244 100
212 7.8 6.3 9.5
122 14.6 6.2 9.2#



#32
Benzo(a)anthracene
Concen: 0.05 ng
RT: 21.270 min Scan# 2005
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:228 Resp: 15481
Ion Ratio Lower Upper
228 100
226 27.5 23.0 34.6
229 23.2 15.7 23.5

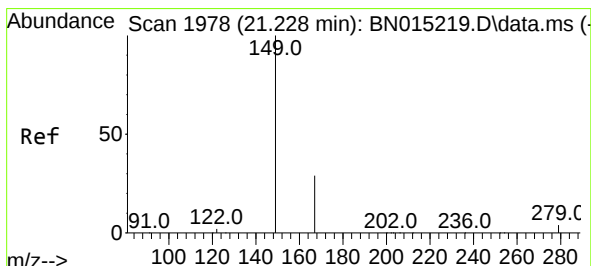
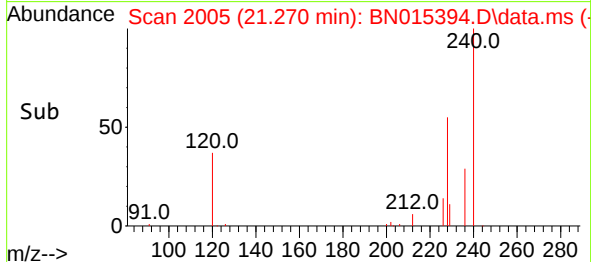
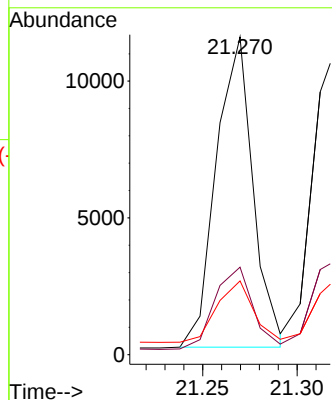
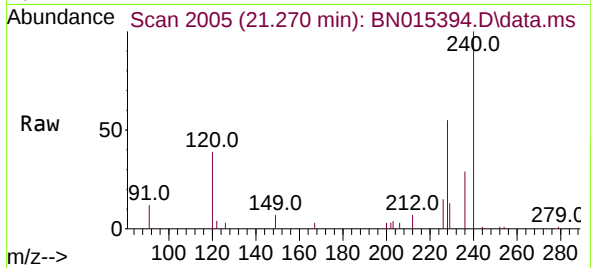




#33
Chrysene
Concen: 0.04 ng
RT: 21.270 min Scan# 2005
Delta R.T. -0.053 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

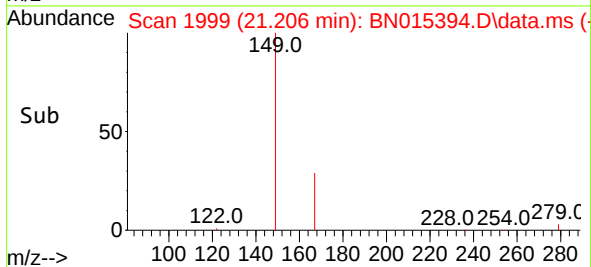
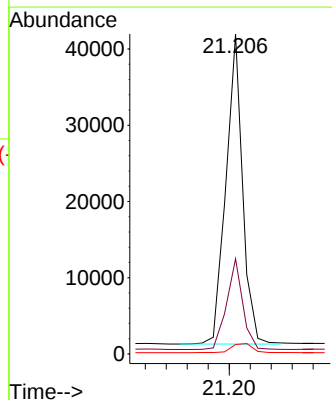
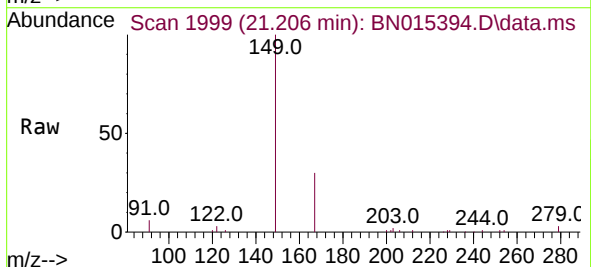
Instrument :
BNA_N
ClientSampled :

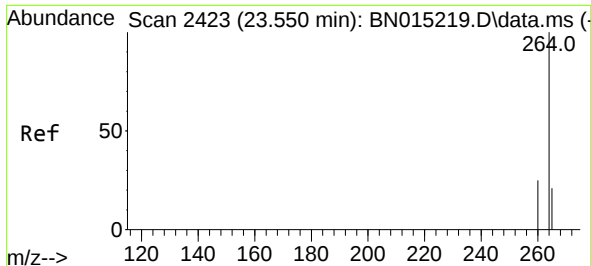
Tgt Ion:228 Resp: 15367
Ion Ratio Lower Upper
228 100
226 27.5 25.0 37.6
229 23.2 15.9 23.9



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.53 ng
RT: 21.206 min Scan# 1999
Delta R.T. -0.000 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

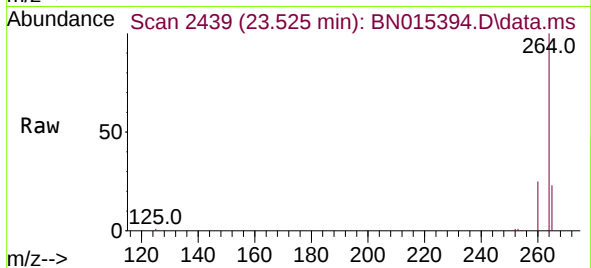
Tgt Ion:149 Resp: 44802
Ion Ratio Lower Upper
149 100
167 28.3 28.9 43.3#
279 3.8 4.9 7.3#



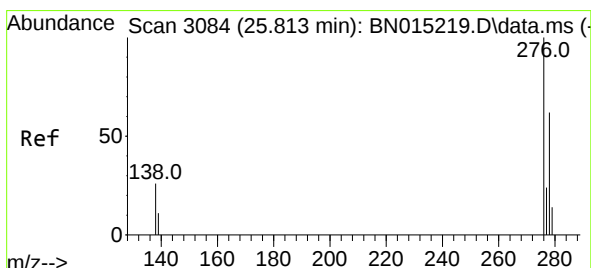
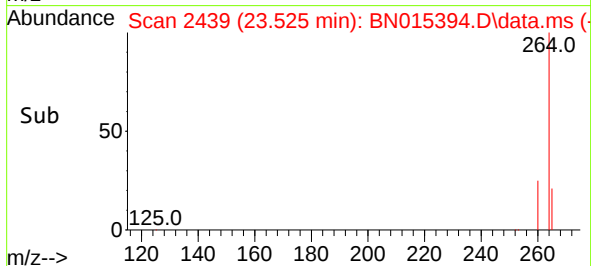
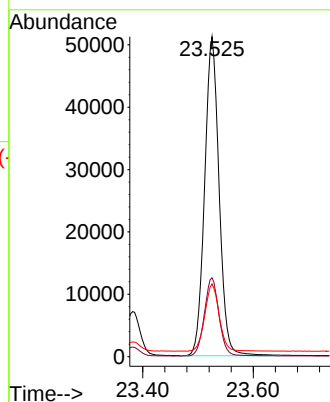


#35
Perylene-d12
Concen: 0.40 ng
RT: 23.525 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Instrument :
BNA_N
ClientSampleId :

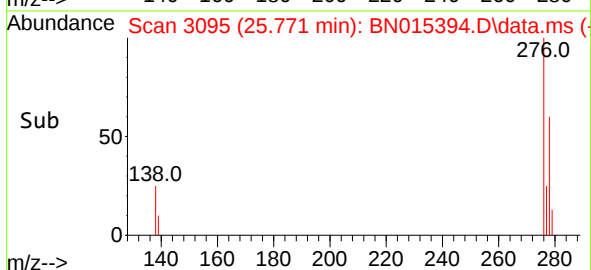
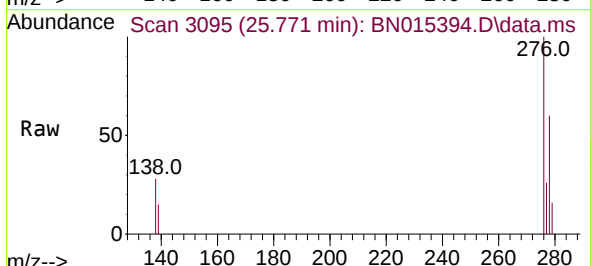
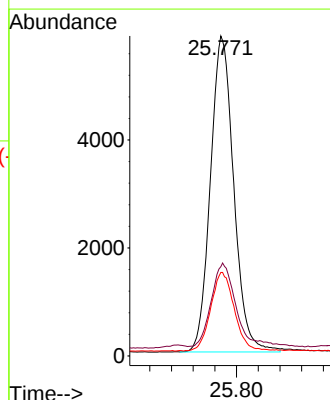


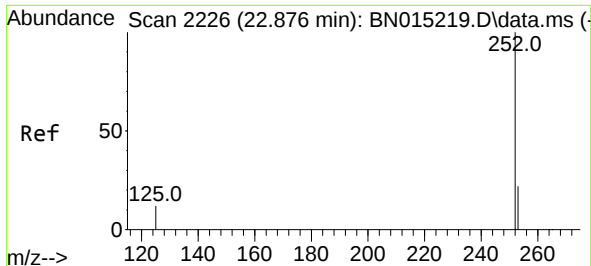
Tgt Ion:	264	Resp:	92675
Ion Ratio	Lower	Upper	
264	100		
260	24.6	20.6	31.0
265	22.7	21.4	32.2



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng
RT: 25.771 min Scan# 3095
Delta R.T. -0.007 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:	276	Resp:	17472
Ion Ratio	Lower	Upper	
276	100		
138	27.6	10.0	15.0#
277	25.0	20.4	30.6

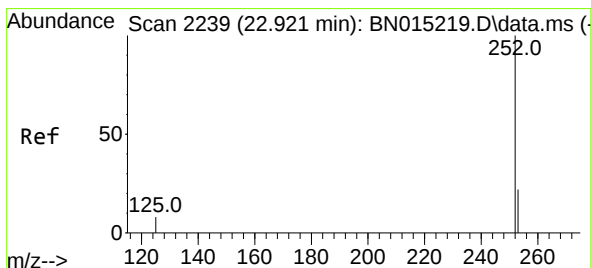
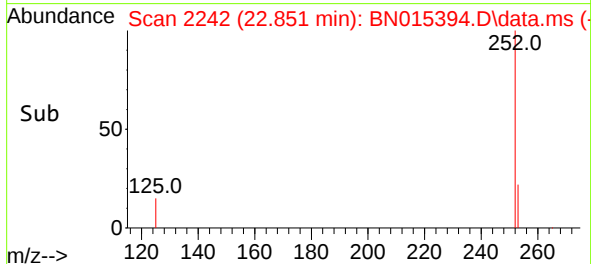
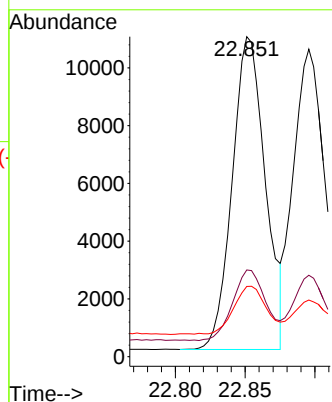
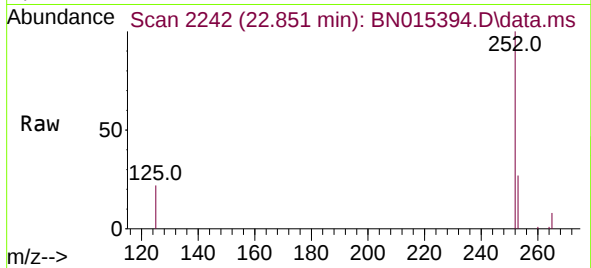




#37
Benzo(b)fluoranthene
Concen: 0.05 ng
RT: 22.851 min Scan# 2242
Delta R.T. -0.003 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

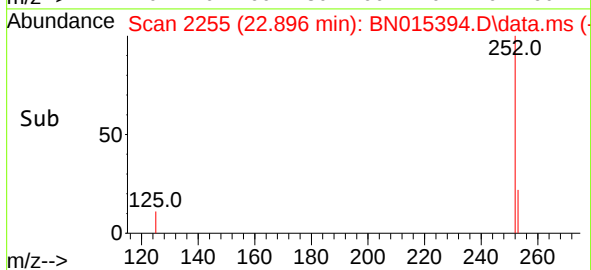
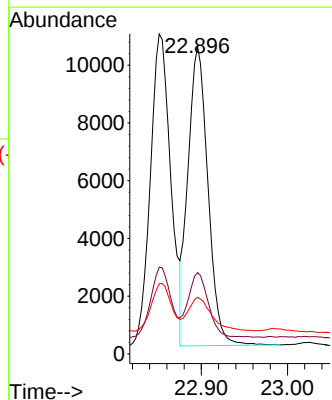
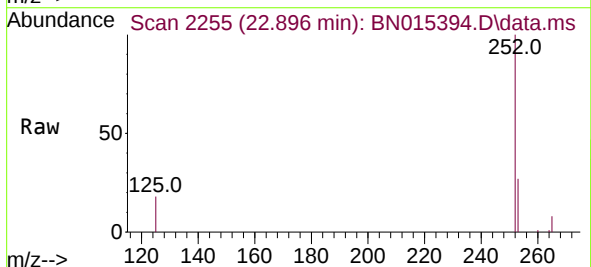
Instrument :
BNA_N
ClientSampleId :

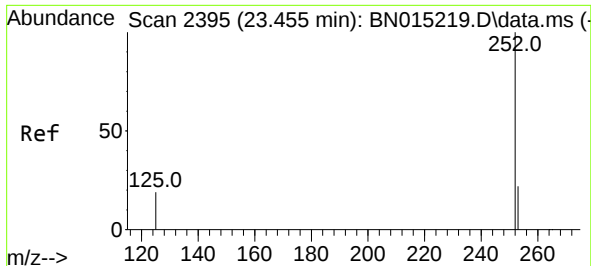
Tgt Ion:252 Resp: 17855
Ion Ratio Lower Upper
252 100
253 27.1 18.5 27.7
125 21.9 5.8 8.6#



#38
Benzo(k)fluoranthene
Concen: 0.04 ng
RT: 22.896 min Scan# 2255
Delta R.T. -0.007 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

Tgt Ion:252 Resp: 16713
Ion Ratio Lower Upper
252 100
253 26.5 19.1 28.7
125 18.4 5.4 8.0#

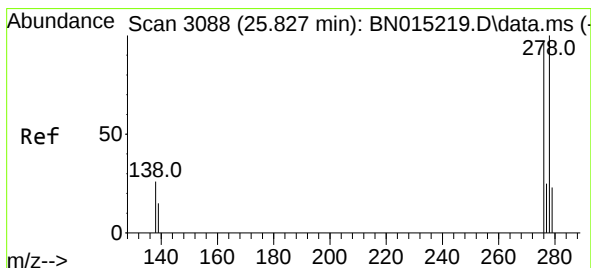
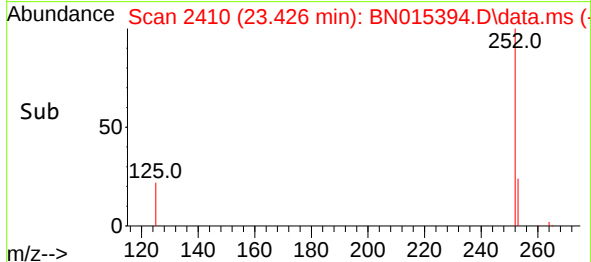
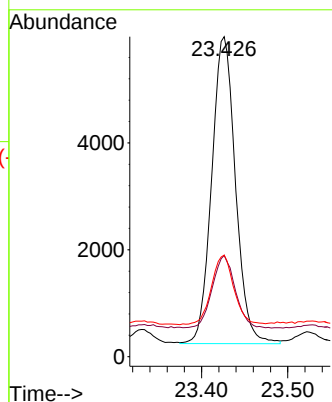
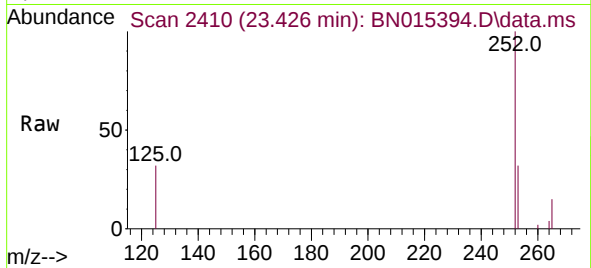




#39
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.426 min Scan# 2410
Delta R.T. -0.003 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

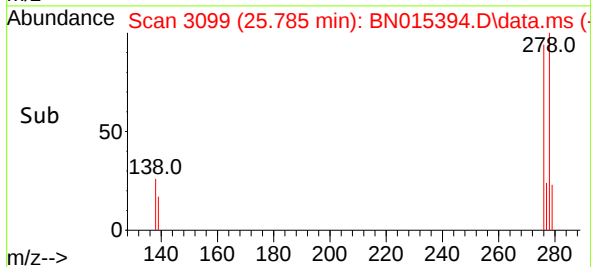
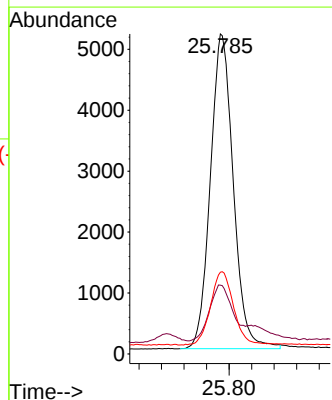
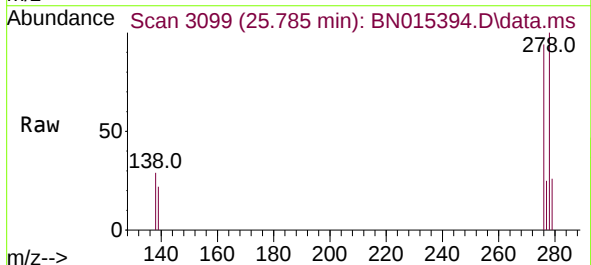
Instrument :
BNA_N
ClientSampled :

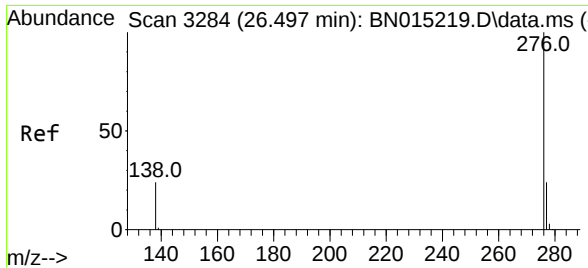
Tgt Ion:252 Resp: 11001
Ion Ratio Lower Upper
252 100
253 31.7 19.4 29.2#
125 31.8 7.4 11.2#



#40
Dibenzo(a,h)anthracene
Concen: 0.06 ng
RT: 25.785 min Scan# 3099
Delta R.T. -0.003 min
Lab File: BN015394.D
Acq: 08 Jul 2021 05:21

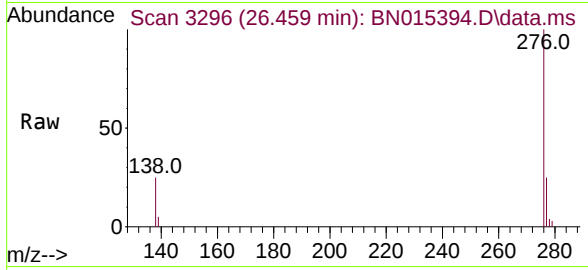
Tgt Ion:278 Resp: 14601
Ion Ratio Lower Upper
278 100
139 21.5 9.0 13.4#
279 25.6 21.0 31.4





#41
 Benzo(g,h,i)perylene
 Concen: 0.05 ng
 RT: 26.459 min Scan# 3296
 Delta R.T. -0.003 min
 Lab File: BN015394.D
 Acq: 08 Jul 2021 05:21

Instrument :
 BNA_N
 ClientSampleId :



Tgt Ion:	276	Resp:	15164
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.7	29.5
138	25.2	9.8	14.6#

