

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN020921\
 Data File : BN013604.D
 Acq On : 09 Feb 2021 14:26
 Operator : CG/JU
 Sample : PB134545BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB134545BL

Quant Time: Feb 09 15:00:09 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN020821.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 08 15:13:18 2021
 Response via : Initial Calibration

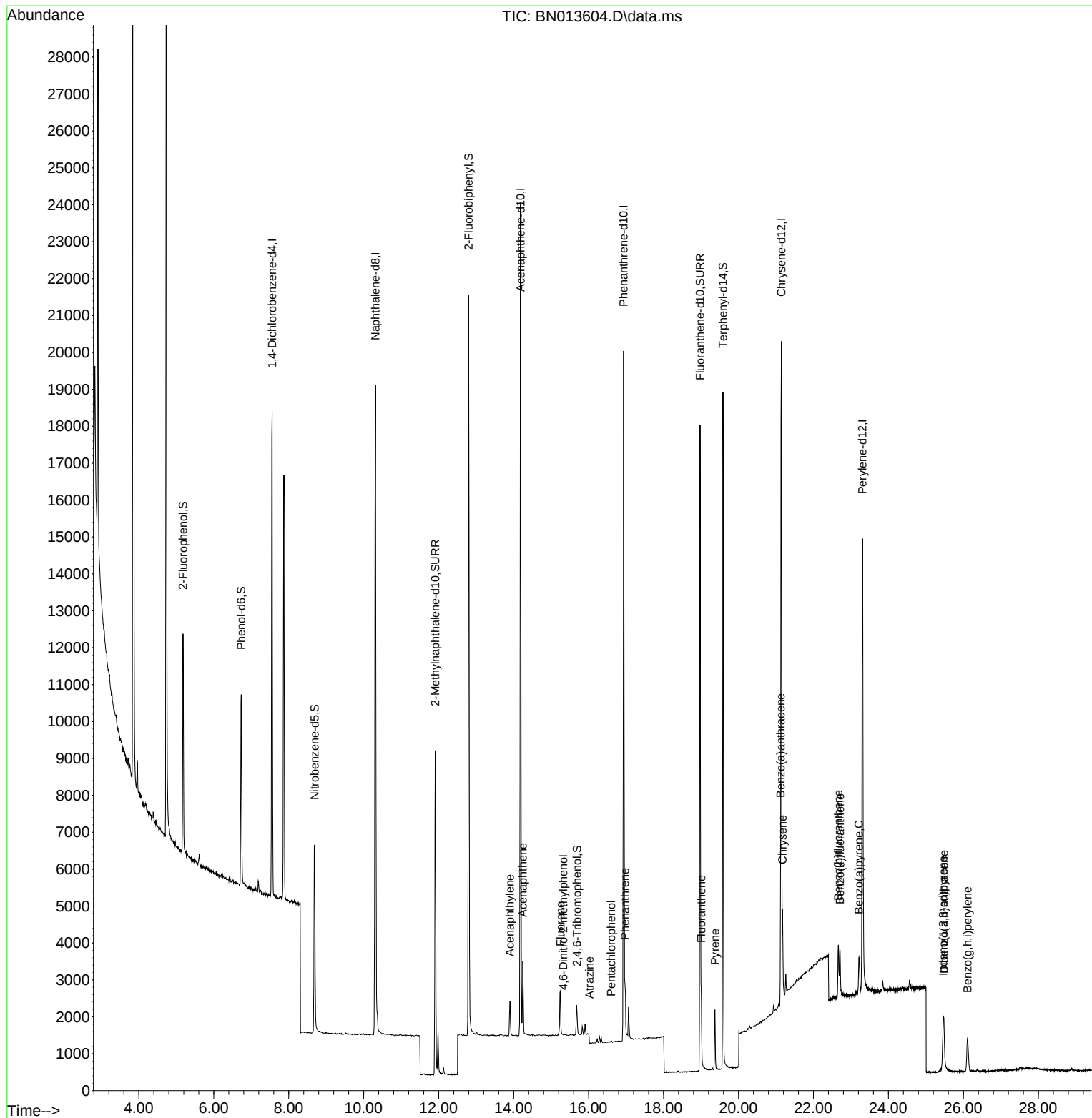
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.555	152	6538	0.40	ng	0.00
7) Naphthalene-d8	10.315	136	25300	0.40	ng	# 0.00
13) Acenaphthene-d10	14.181	164	12974	0.40	ng	0.00
19) Phenanthrene-d10	16.934	188	25578	0.40	ng	0.00
29) Chrysene-d12	21.144	240	19147	0.40	ng	# 0.00
36) Perylene-d12	23.308	264	17382	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.180	112	4561	0.32	ng	0.00
5) Phenol-d6	6.734	99	5235	0.30	ng	0.00
8) Nitrobenzene-d5	8.693	82	4895	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.911	152	12653	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.691	330	709	0.19	ng	0.01
15) 2-Fluorobiphenyl	12.798	172	18467	0.38	ng	0.00
27) Fluoranthene-d10	18.975	212	20191	0.29	ng	0.00
31) Terphenyl-d14	19.586	244	18882	0.44	ng	0.00
Target Compounds						
16) Acenaphthylene	13.902	152	1139	0.02	ng	99
17) Acenaphthene	14.245	154	955	0.03	ng	99
18) Fluorene	15.247	166	999	0.02	ng	97
20) 4,6-Dinitro-2-methylph...	15.323	198	4	0.15	ng	# 1
23) Atrazine	16.021	200	207	0.03	ng	# 5
24) Pentachlorophenol	16.605	266	20	0.20	ng	# 58
25) Phenanthrene	16.970	178	1395	0.02	ng	96
28) Fluoranthene	19.005	202	1611	0.02	ng	98
30) Pyrene	19.372	202	1515	0.03	ng	98
32) Benzo(a)anthracene	21.123	228	1482	0.03	ng	93
33) Chrysene	21.176	228	1604	0.03	ng	95
35) Indeno(1,2,3-cd)pyrene	25.461	276	1993	0.03	ng	96
37) Benzo(b)fluoranthene	22.661	252	1811	0.03	ng	# 51
38) Benzo(k)fluoranthene	22.705	252	1703	0.03	ng	# 43
39) Benzo(a)pyrene	23.212	252	1499	0.03	ng	# 24
40) Dibenzo(a,h)anthracene	25.478	278	1646	0.03	ng	# 60
41) Benzo(g,h,i)perylene	26.115	276	1943	0.03	ng	# 83

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

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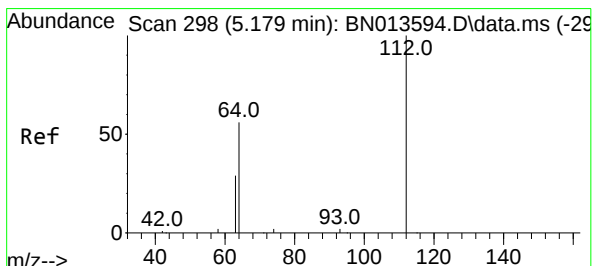
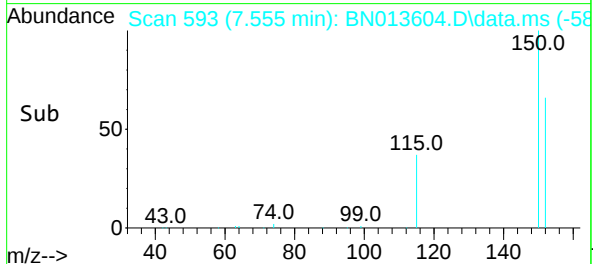
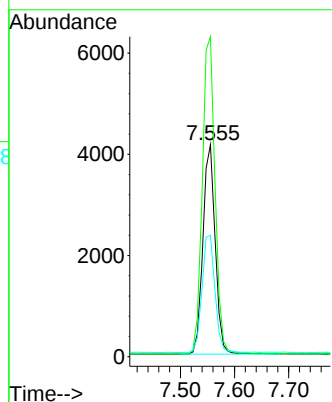
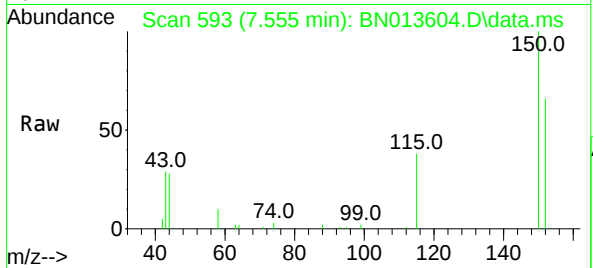


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.555 min Scan# 593
 Delta R.T. 0.000 min
 Lab File: BN013604.D
 Acq: 09 Feb 2021 14:26

Instrument :
 BNA_N
 ClientSampleId :
 PB134545BL

Tgt Ion:152 Resp: 6538

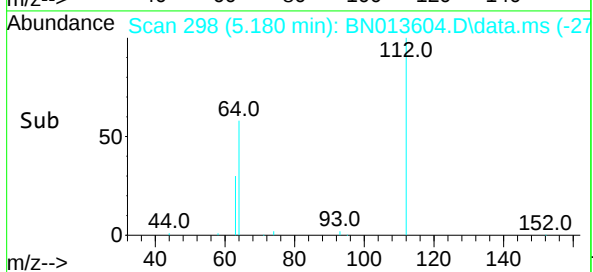
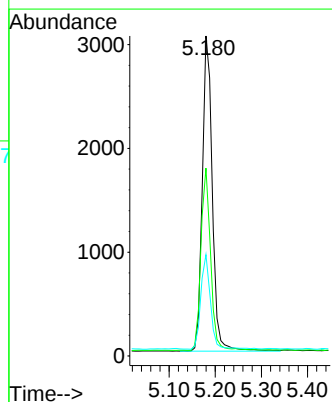
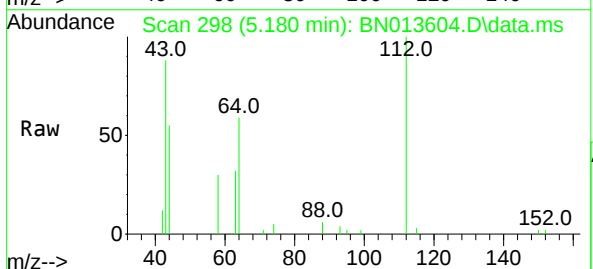
Ion	Ratio	Lower	Upper
152	100		
150	151.0	121.8	182.8
115	57.3	46.6	69.8

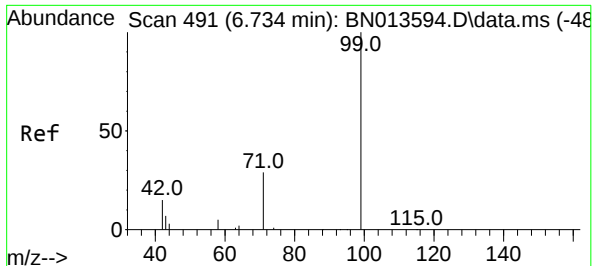


#4
 2-Fluorophenol
 Concen: 0.32 ng
 RT: 5.180 min Scan# 298
 Delta R.T. 0.000 min
 Lab File: BN013604.D
 Acq: 09 Feb 2021 14:26

Tgt Ion:112 Resp: 4561

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.3	66.5
63	28.8	23.0	34.6

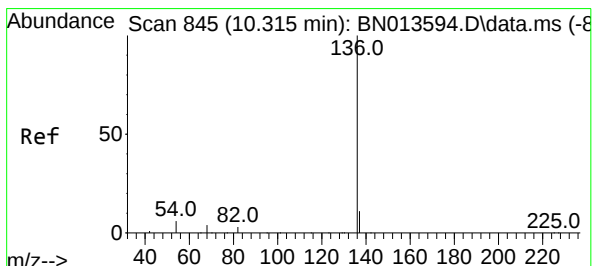
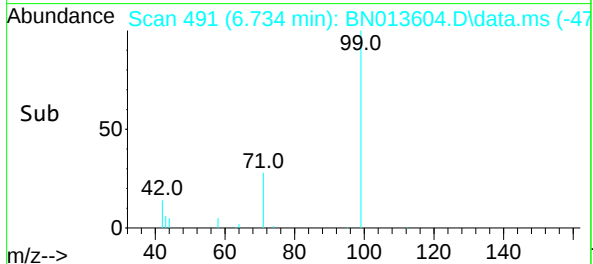
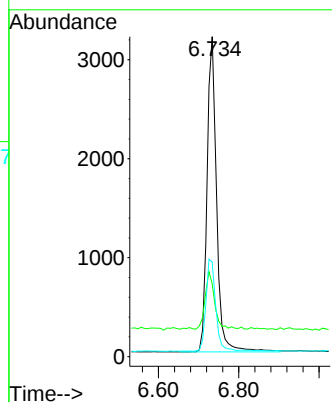
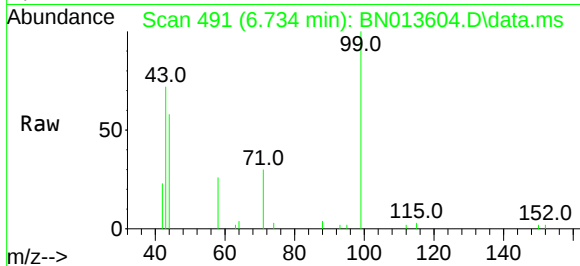




#5
Phenol-d6
Concen: 0.30 ng
RT: 6.734 min Scan# 491
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

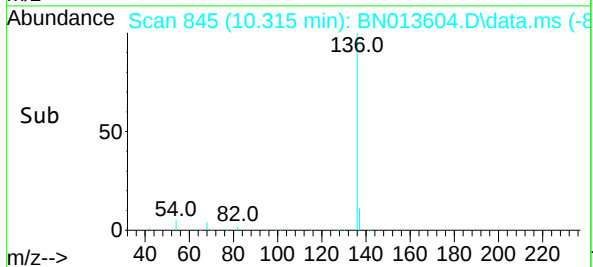
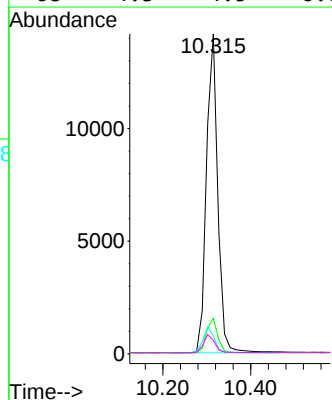
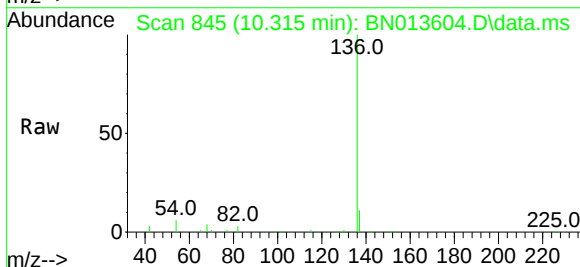
Instrument :
BNA_N
ClientSampleId :
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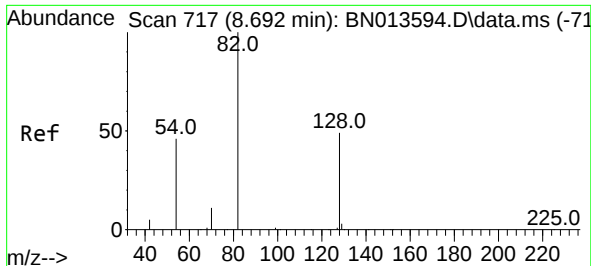
Tgt Ion:	99	Resp:	5235
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.2	22.8
71	29.9	26.1	39.1



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.315 min Scan# 845
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:	136	Resp:	25300
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	5.7	6.4	9.6#
68	4.3	4.5	6.7#

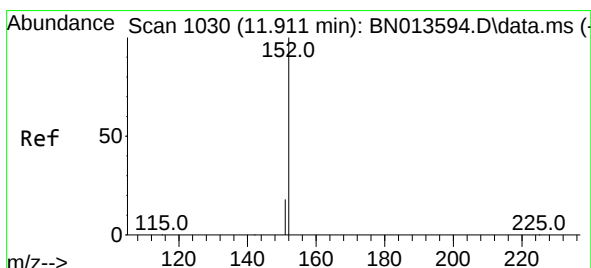
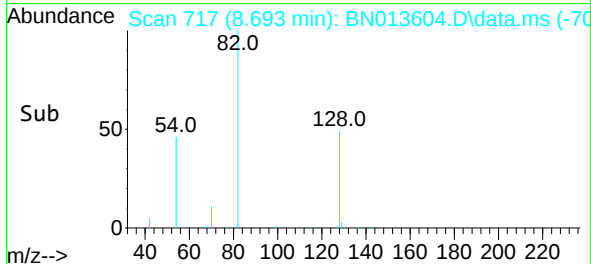
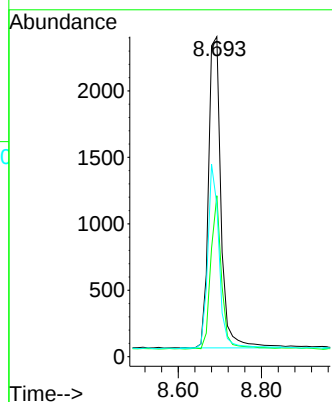
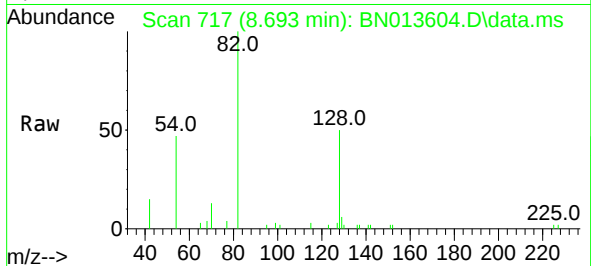




#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.693 min Scan# 717
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

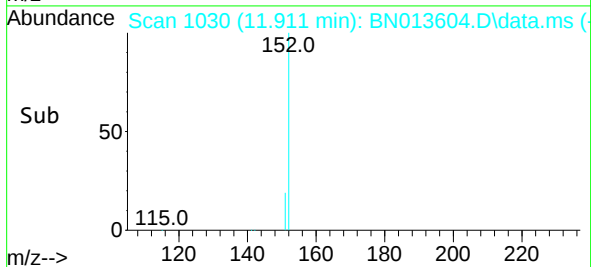
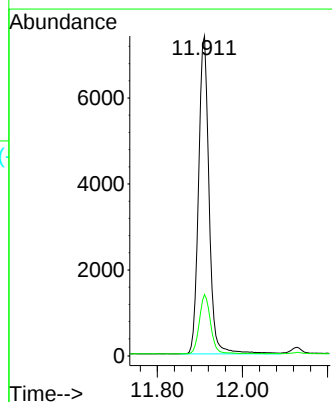
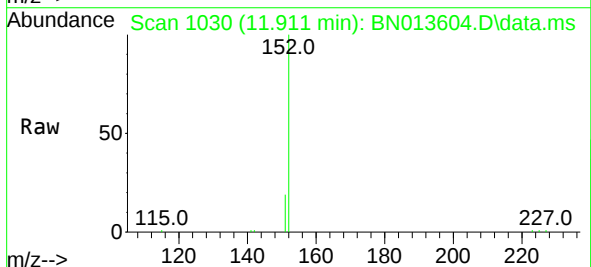
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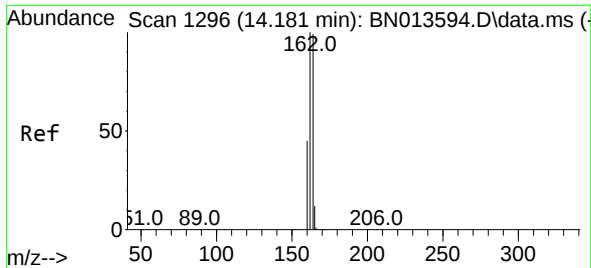
Tgt Ion: 82 Resp: 4895
Ion Ratio Lower Upper
82 100
128 50.3 39.2 58.8
54 47.5 40.1 60.1



#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 11.911 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion: 152 Resp: 12653
Ion Ratio Lower Upper
152 100
151 20.1 16.2 24.2

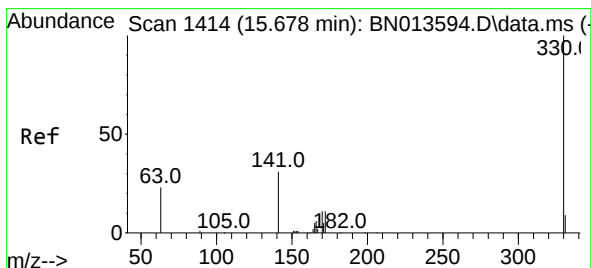
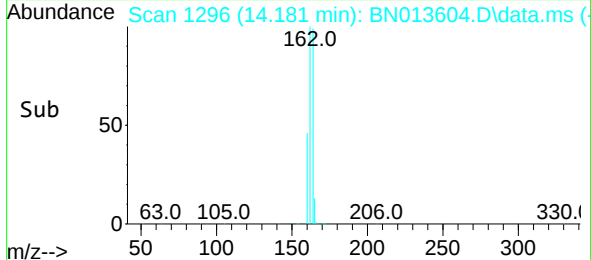
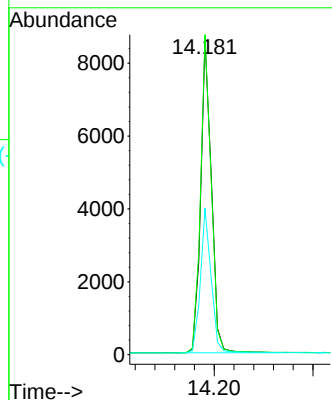
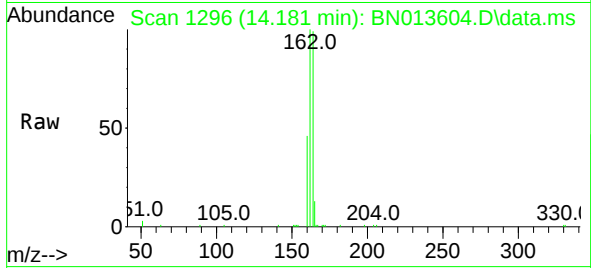




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.181 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

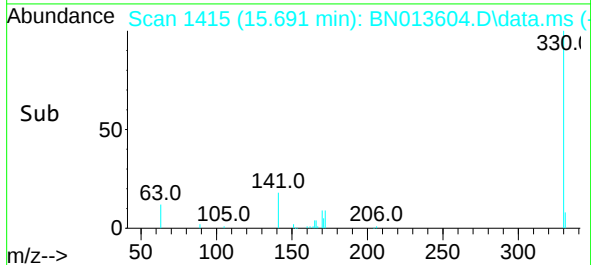
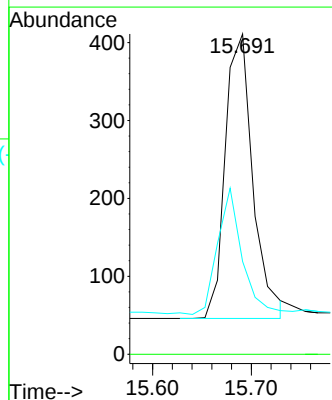
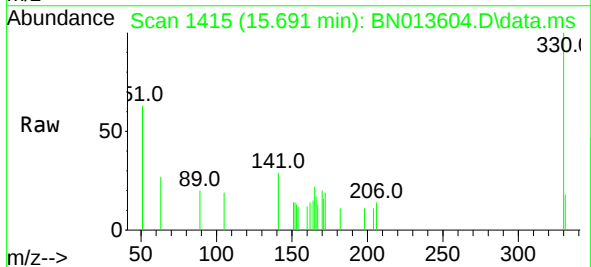
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BNA_N
ClientSampleId :
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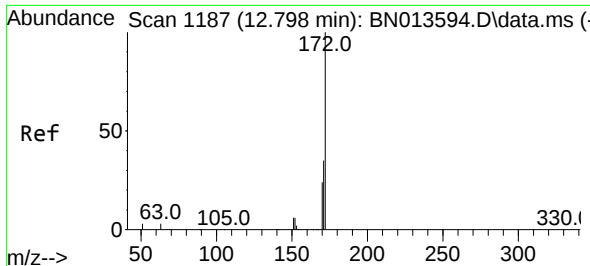
Tgt Ion:164 Resp: 12974
Ion Ratio Lower Upper
164 100
162 101.5 79.6 119.4
160 46.4 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.19 ng
RT: 15.691 min Scan# 1415
Delta R.T. 0.013 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:330 Resp: 709
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 38.5 26.8 40.2

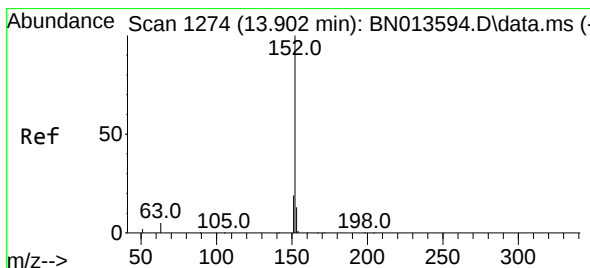
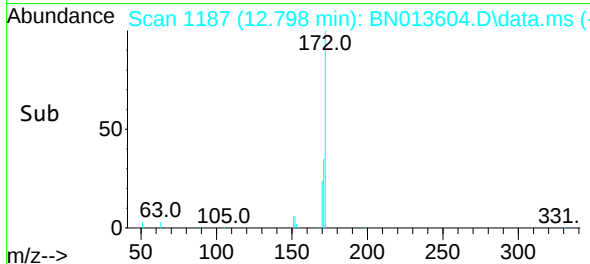
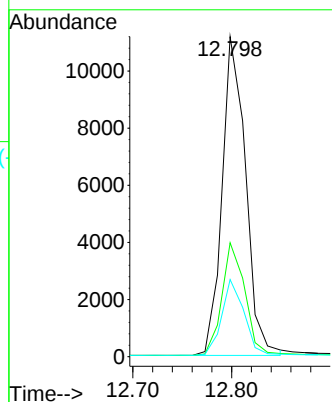
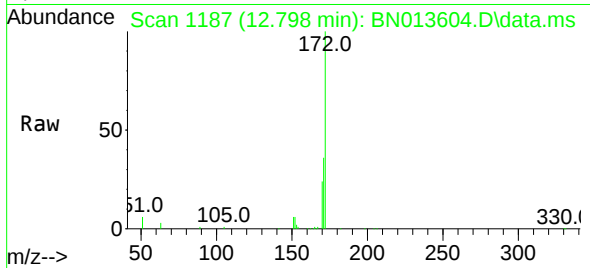




#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 12.798 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

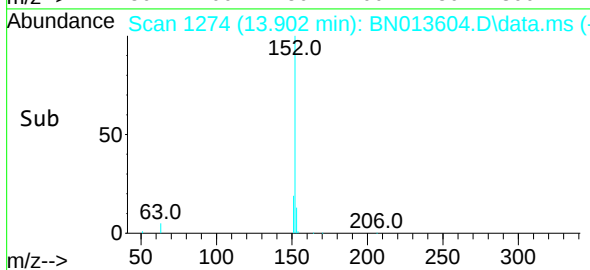
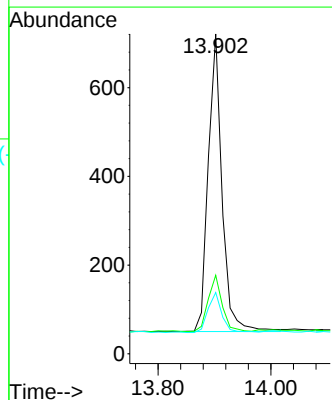
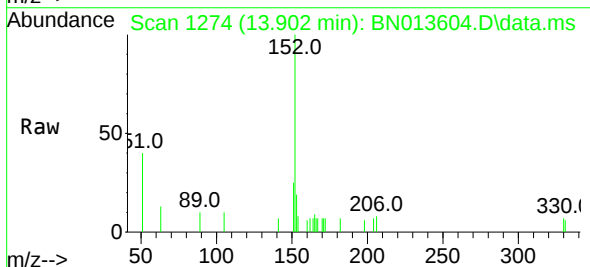
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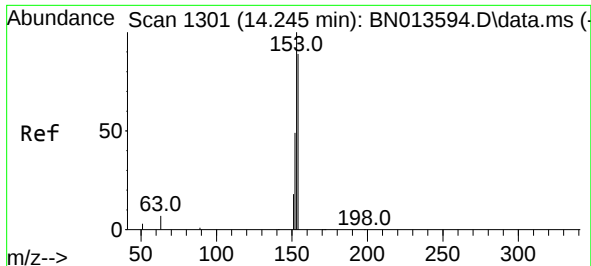
Tgt Ion:	172	Resp:	18467
Ion Ratio	Lower	Upper	
172	100		
171	35.6	28.6	42.8
170	24.1	18.9	28.3



#16
Acenaphthylene
Concen: 0.02 ng
RT: 13.902 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:	152	Resp:	1139
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.7	23.5
153	13.6	10.5	15.7

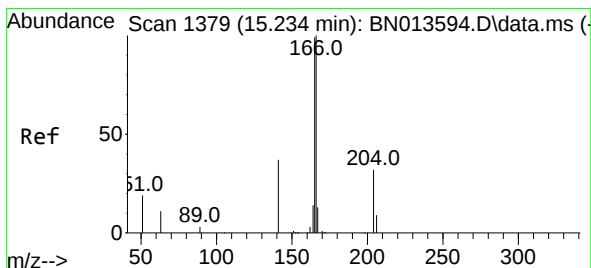
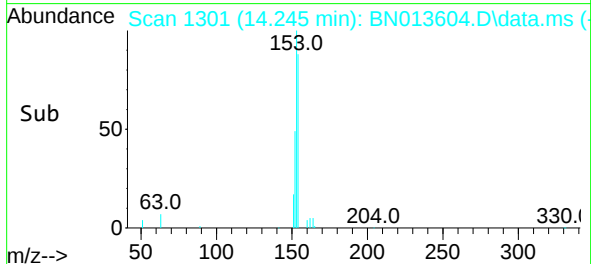
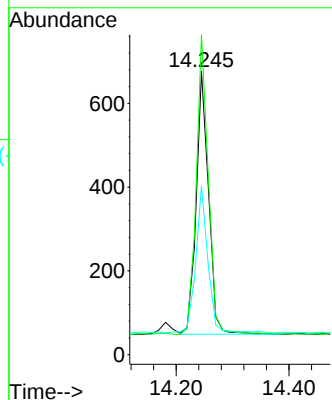
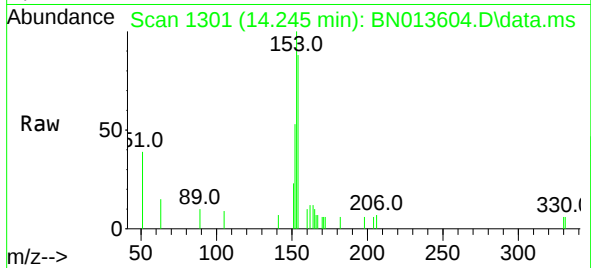




#17
Acenaphthene
Concen: 0.03 ng
RT: 14.245 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

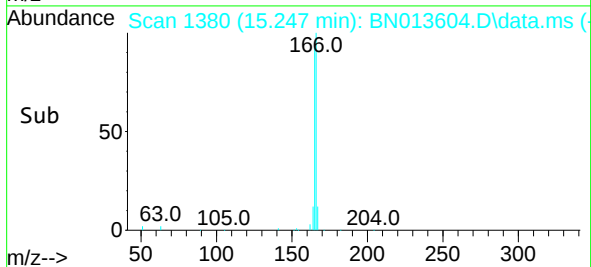
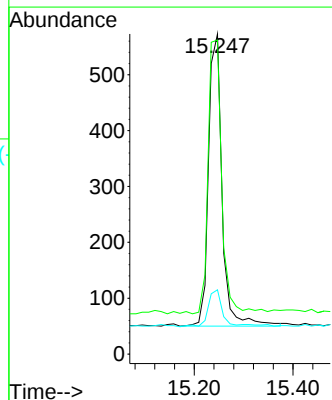
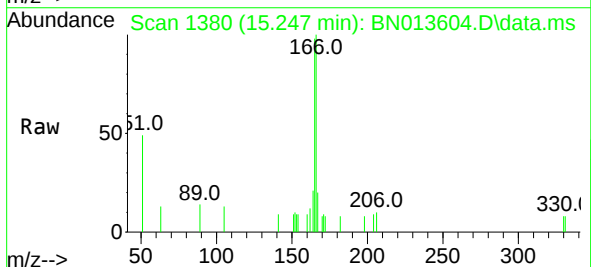
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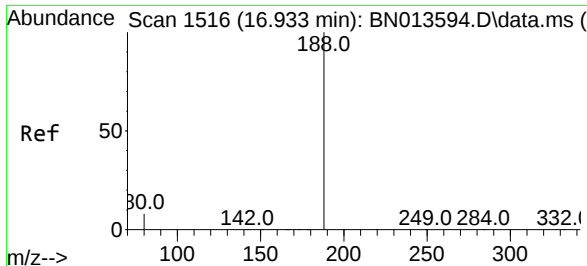
Tgt Ion:154 Resp: 955
Ion Ratio Lower Upper
154 100
153 111.6 88.4 132.6
152 54.0 43.0 64.4



#18
Fluorene
Concen: 0.02 ng
RT: 15.247 min Scan# 1380
Delta R.T. 0.013 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:166 Resp: 999
Ion Ratio Lower Upper
166 100
165 94.7 77.8 116.8
167 14.4 10.6 16.0

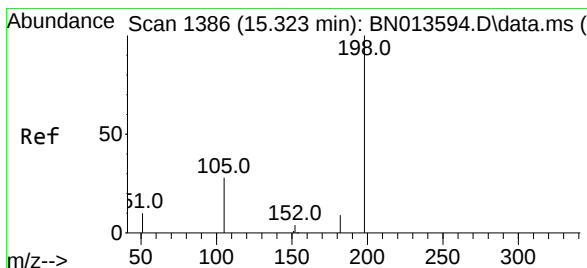
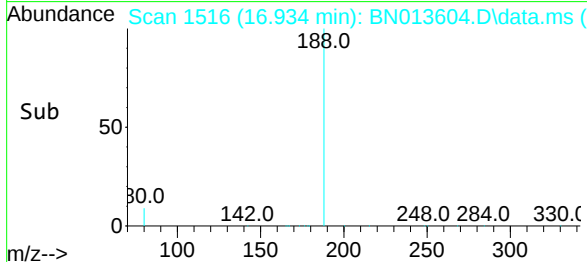
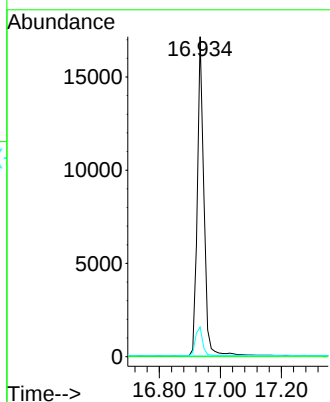
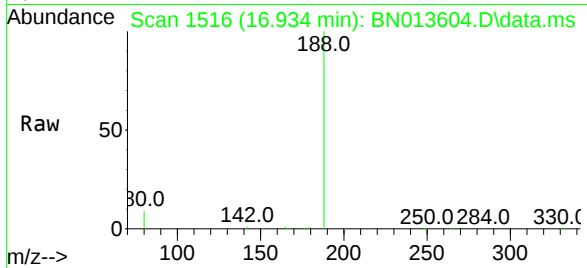




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.934 min Scan# 1516
Delta R.T. 0.001 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

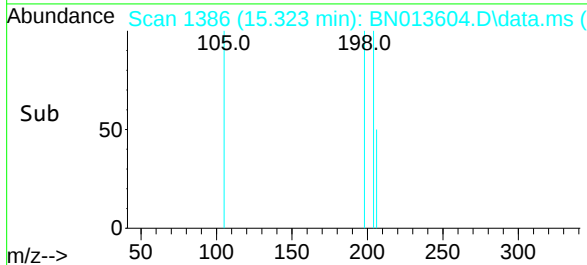
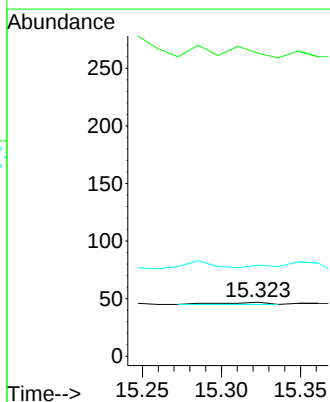
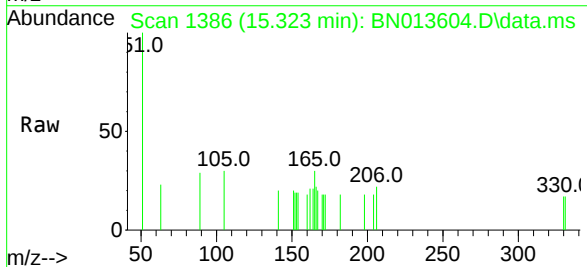
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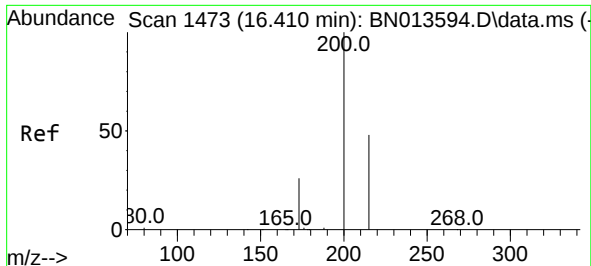
Tgt Ion:188 Resp: 25578
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.2 9.0 13.6



#20
4,6-Dinitro-2-methylphenol
Concen: 0.15 ng
RT: 15.323 min Scan# 1386
Delta R.T. 0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:198 Resp: 4
Ion Ratio Lower Upper
198 100
51 559.6 61.7 92.5#
105 168.1 33.0 49.6#

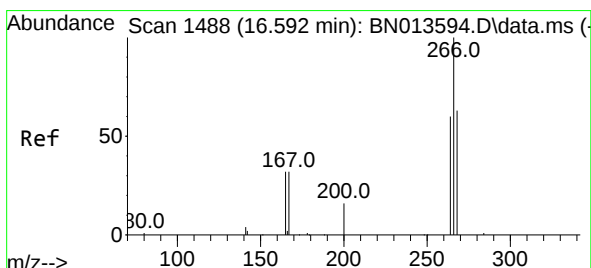
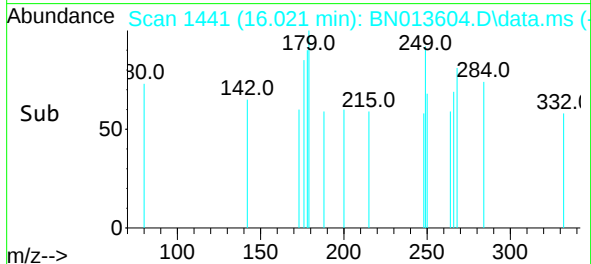
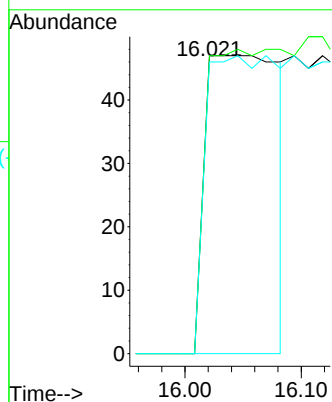
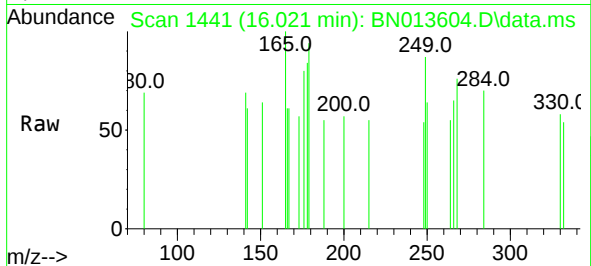




#23
Atrazine
Concen: 0.03 ng
RT: 16.021 min Scan# 1441
Delta R.T. -0.389 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

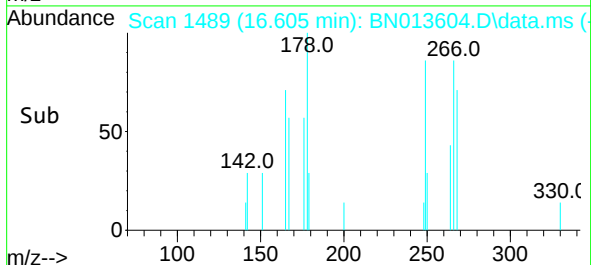
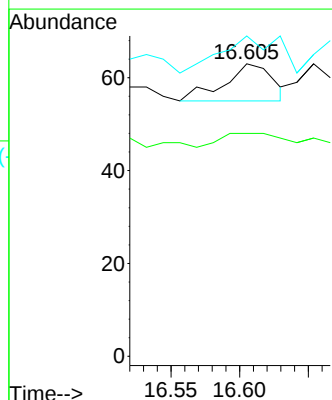
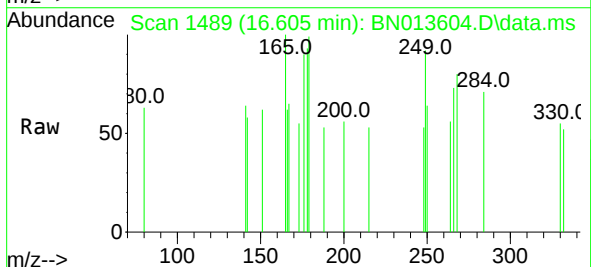
Instrument :
BNA_N
ClientSampleId :
PB134545BL

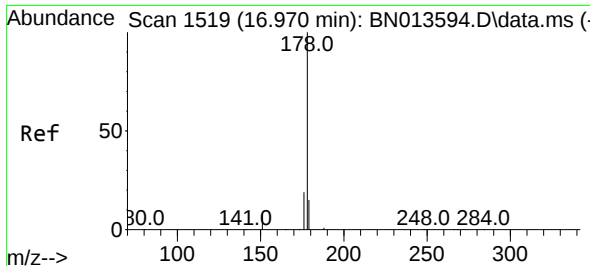
Tgt Ion:200 Resp: 207
Ion Ratio Lower Upper
200 100
173 100.0 18.6 28.0#
215 97.9 41.0 61.6#



#24
Pentachlorophenol
Concen: 0.20 ng
RT: 16.605 min Scan# 1489
Delta R.T. 0.013 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:266 Resp: 20
Ion Ratio Lower Upper
266 100
264 45.0 51.6 77.4#
268 115.0 54.6 82.0#

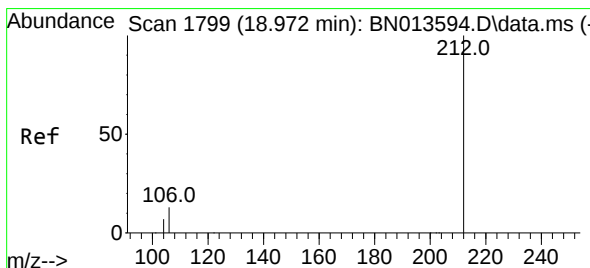
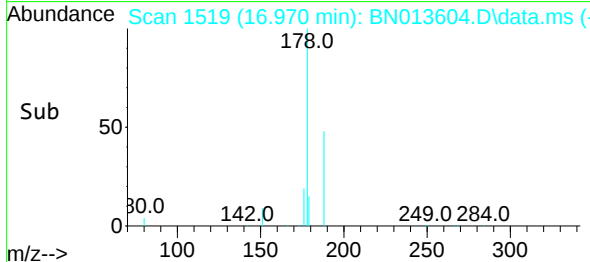
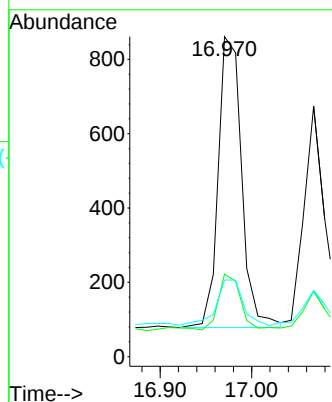
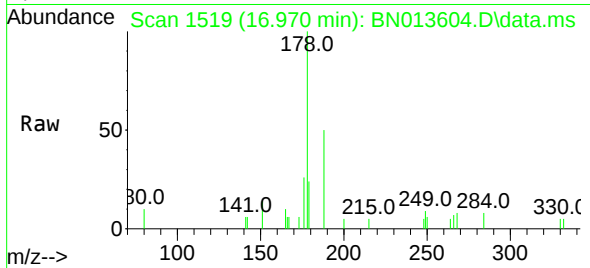




#25
Phenanthrene
Concen: 0.02 ng
RT: 16.970 min Scan# 1519
Delta R.T. 0.001 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

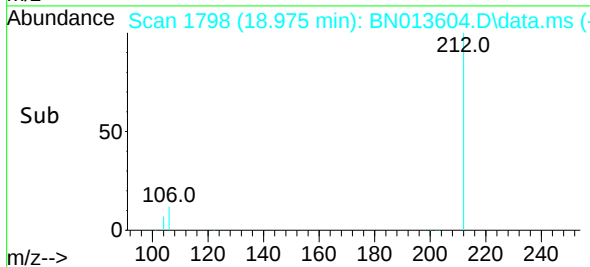
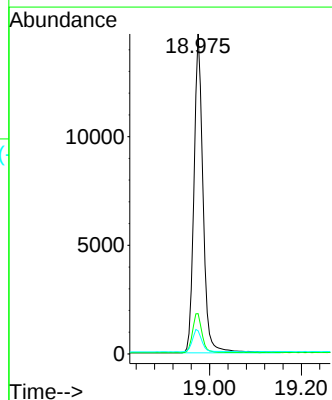
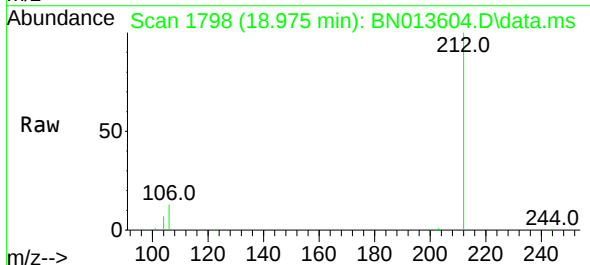
Instrument :
BNA_N
ClientSampleId :
PB134545BL

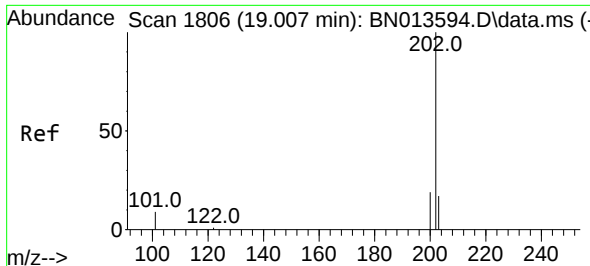
Tgt Ion:	178	Resp:	1395
Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.0	22.4
179	17.7	12.3	18.5



#27
Fluoranthene-d10
Concen: 0.29 ng
RT: 18.975 min Scan# 1798
Delta R.T. 0.003 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:	212	Resp:	20191
Ion	Ratio	Lower	Upper
212	100		
106	12.9	9.7	14.5
104	7.2	5.5	8.3

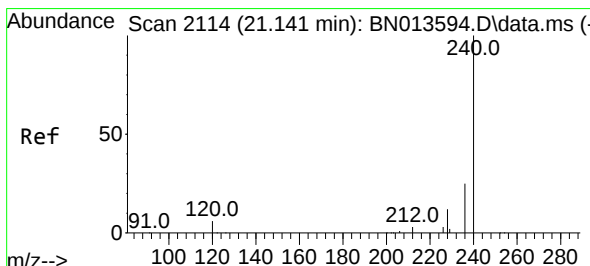
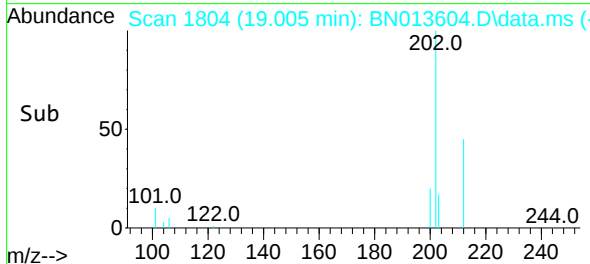
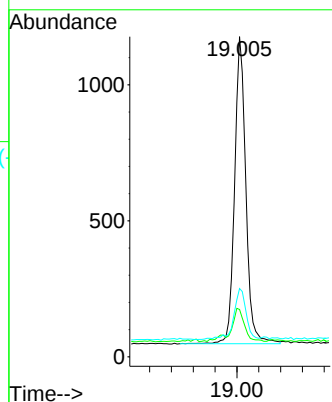
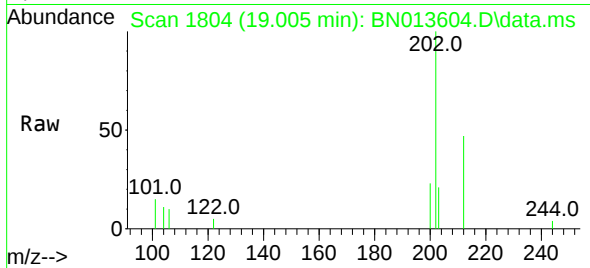




#28
Fluoranthene
Concen: 0.02 ng
RT: 19.005 min Scan# 1804
Delta R.T. -0.002 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

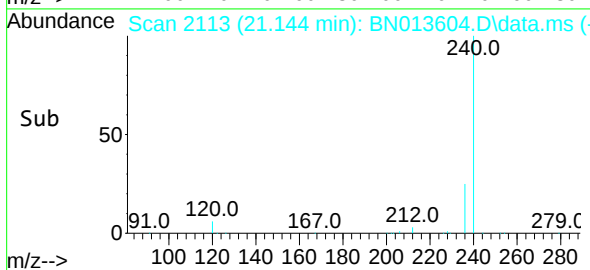
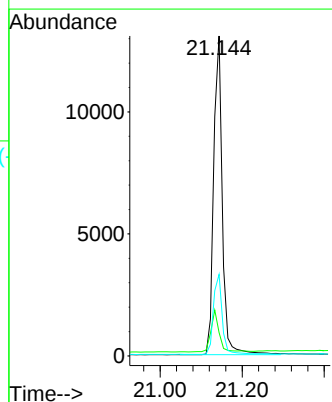
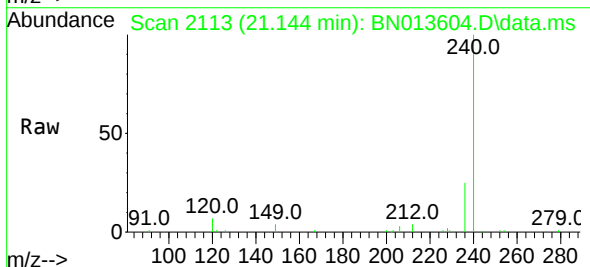
Instrument :
BNA_N
ClientSampleId :
PB134545BL

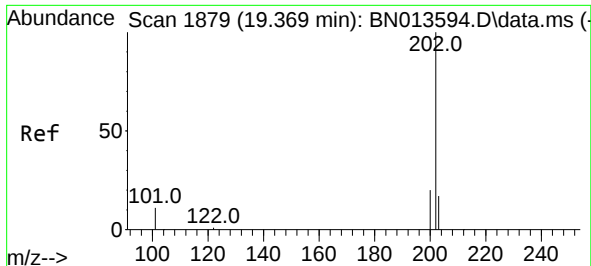
Tgt Ion:202 Resp: 1611
Ion Ratio Lower Upper
202 100
101 10.8 8.1 12.1
203 18.3 13.9 20.9



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.144 min Scan# 2113
Delta R.T. 0.003 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:240 Resp: 19147
Ion Ratio Lower Upper
240 100
120 7.3 10.2 15.4#
236 25.5 21.3 31.9

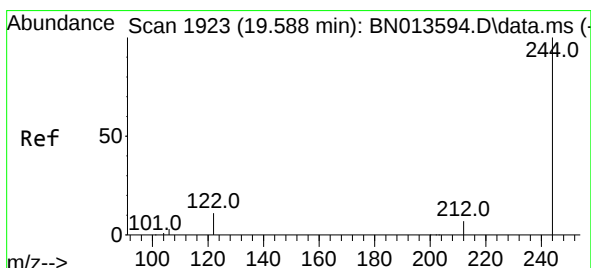
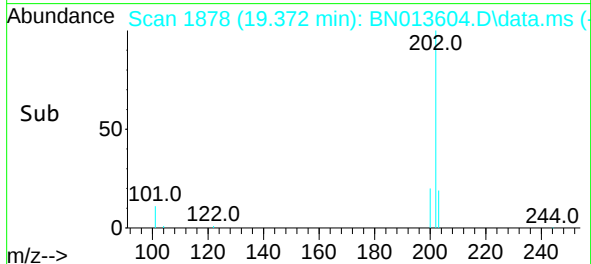
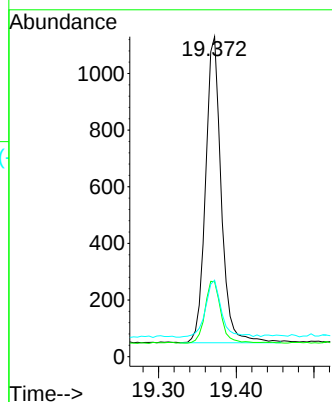
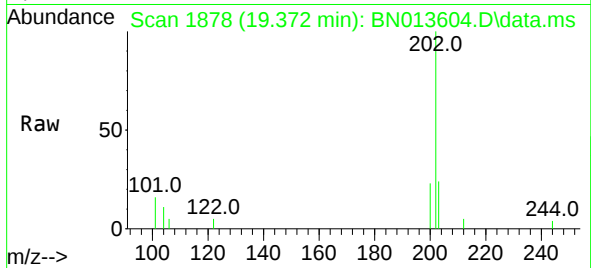




#30
Pyrene
Concen: 0.03 ng
RT: 19.372 min Scan# 1878
Delta R.T. 0.003 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

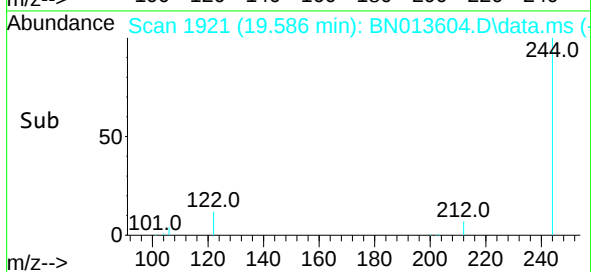
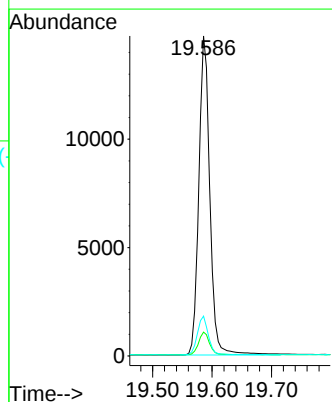
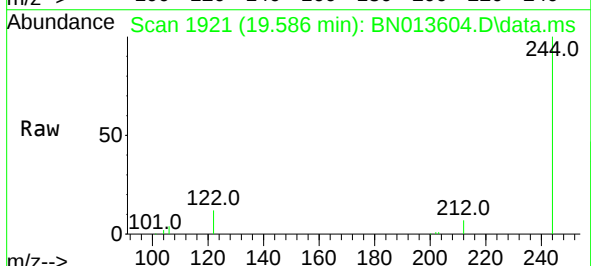
Instrument :
BNA_N
ClientSampleId :
PB134545BL

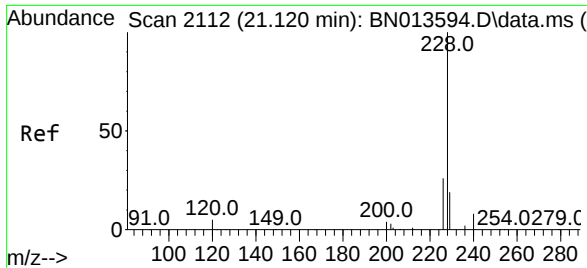
Tgt Ion:202 Resp: 1515
Ion Ratio Lower Upper
202 100
200 20.5 16.3 24.5
203 19.0 14.0 21.0



#31
Terphenyl-d14
Concen: 0.44 ng
RT: 19.586 min Scan# 1921
Delta R.T. -0.002 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:244 Resp: 18882
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 12.4 9.8 14.8

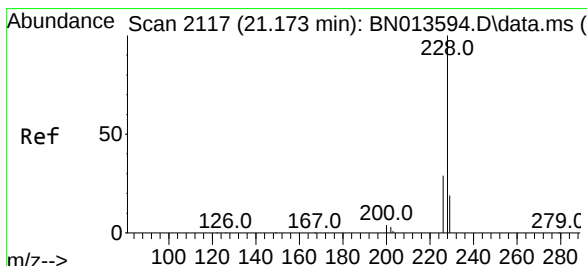
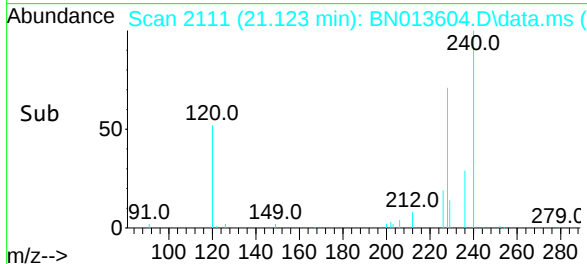
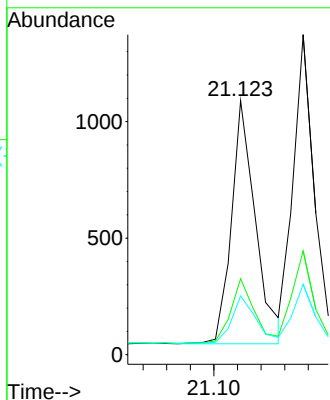
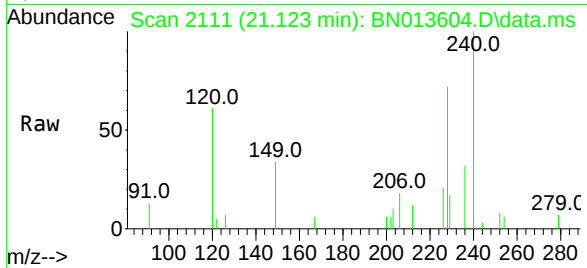




#32
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.123 min Scan# 2111
Delta R.T. 0.003 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

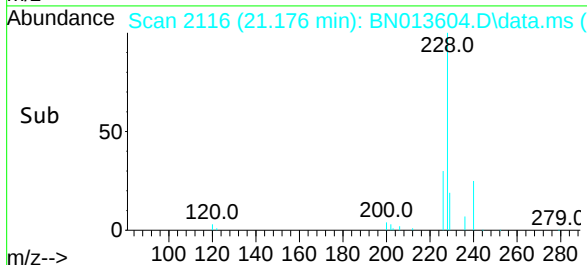
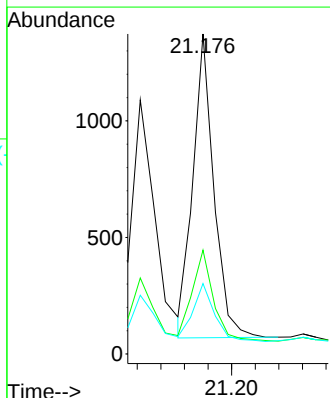
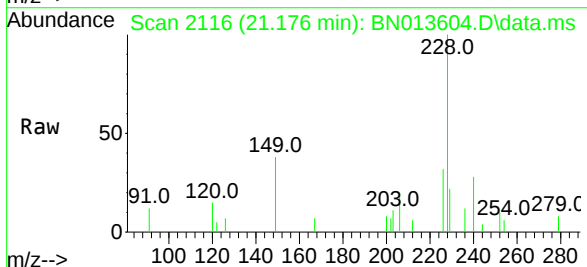
Instrument :
BNA_N
ClientSampleId :
PB134545BL

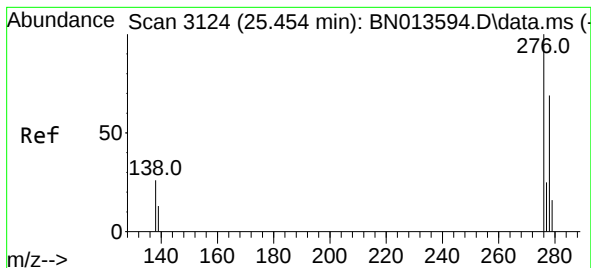
Tgt Ion:228 Resp: 1482
Ion Ratio Lower Upper
228 100
226 29.9 20.5 30.7
229 23.1 16.2 24.4



#33
Chrysene
Concen: 0.03 ng
RT: 21.176 min Scan# 2116
Delta R.T. 0.003 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:228 Resp: 1604
Ion Ratio Lower Upper
228 100
226 32.5 24.3 36.5
229 22.0 15.1 22.7

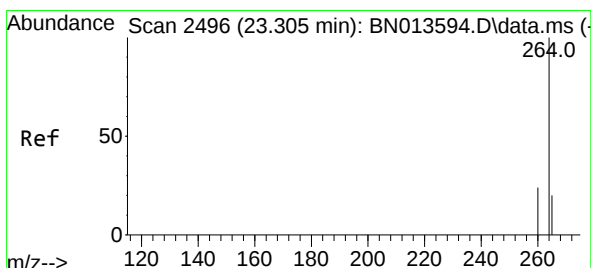
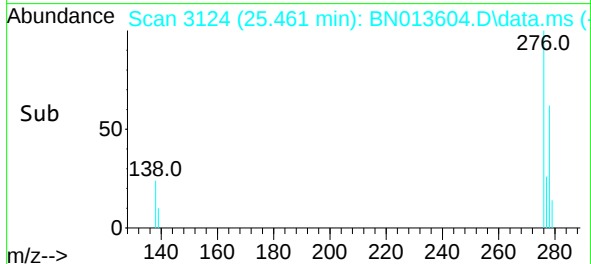
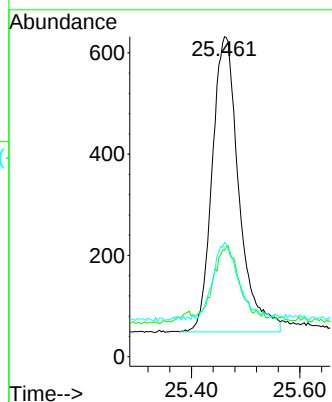
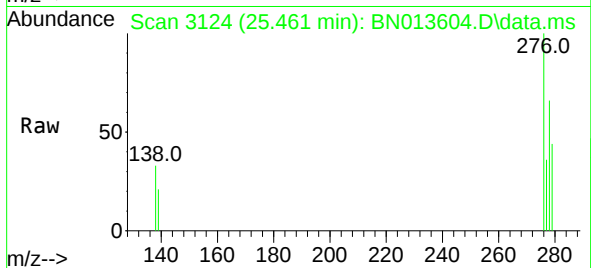




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.03 ng
RT: 25.461 min Scan# 3124
Delta R.T. 0.006 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

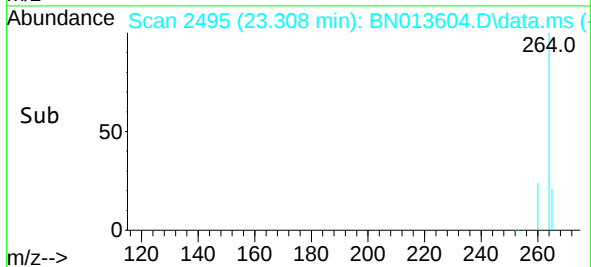
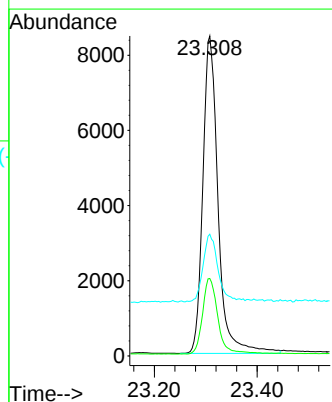
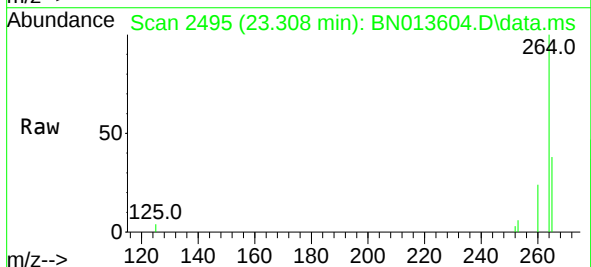
Instrument :
BNA_N
ClientSampleId :
PB134545BL

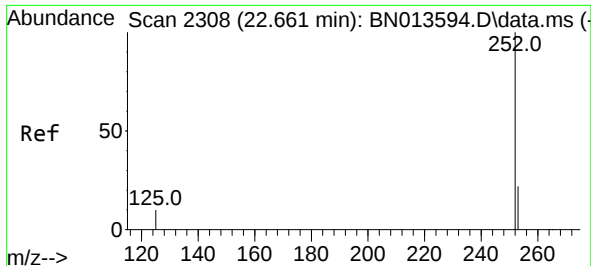
Tgt Ion:	276	Resp:	1993
Ion Ratio	Lower	Upper	
276	100		
138	21.8	19.8	29.6
277	24.1	19.9	29.9



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.308 min Scan# 2495
Delta R.T. 0.003 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:	264	Resp:	17382
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.3	28.9
265	38.0	66.2	99.4#

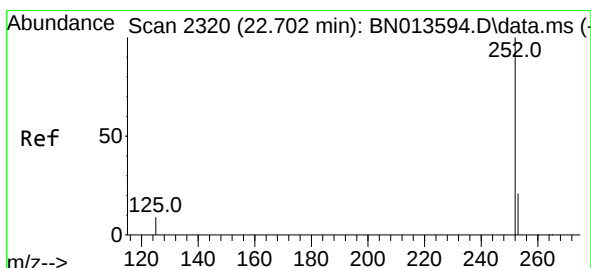
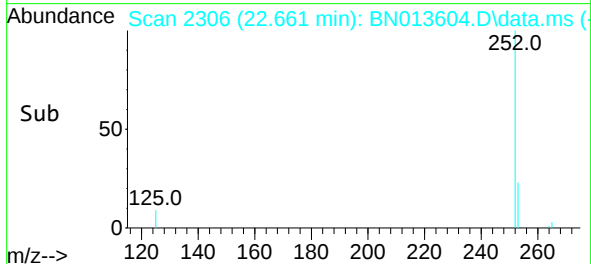
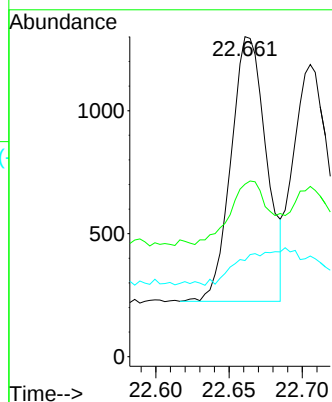
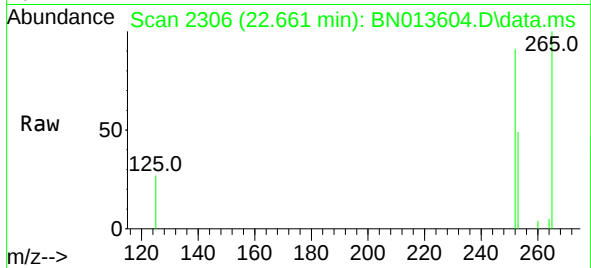




#37
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.661 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

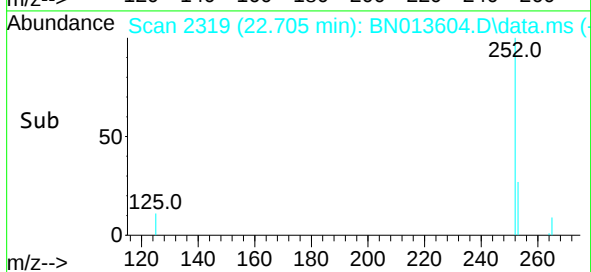
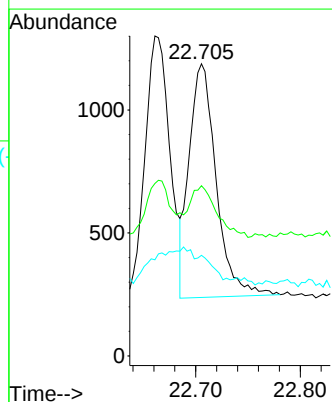
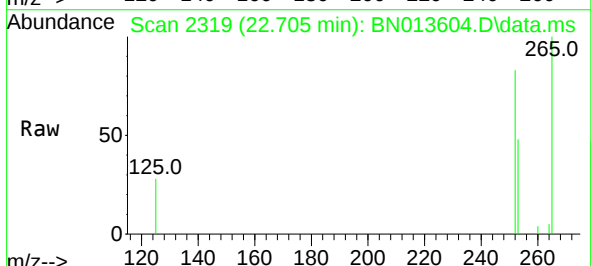
Instrument :
BNA_N
ClientSampleId :
PB134545BL

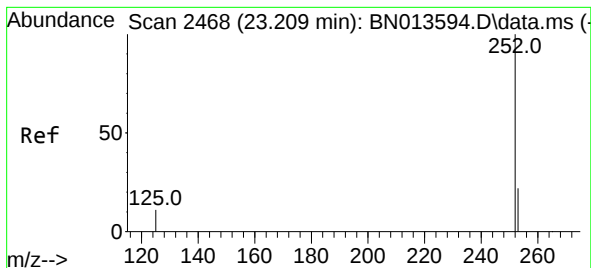
Tgt Ion:252 Resp: 1811
Ion Ratio Lower Upper
252 100
253 53.9 20.4 30.6#
125 30.1 11.6 17.4#



#38
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 22.705 min Scan# 2319
Delta R.T. 0.003 min
Lab File: BN013604.D
Acq: 09 Feb 2021 14:26

Tgt Ion:252 Resp: 1703
Ion Ratio Lower Upper
252 100
253 58.2 20.5 30.7#
125 34.4 12.3 18.5#





#39

Benzo(a)pyrene

Concen: 0.03 ng

RT: 23.212 min Scan# 2467

Delta R.T. 0.003 min

Lab File: BN013604.D

Acq: 09 Feb 2021 14:26

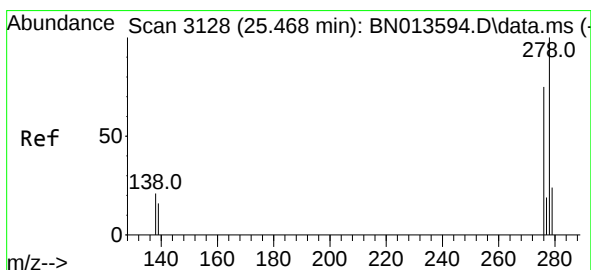
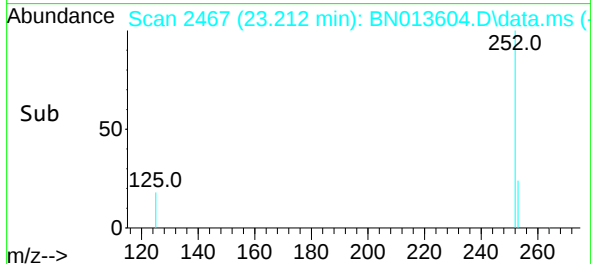
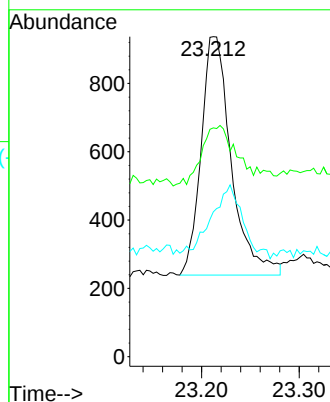
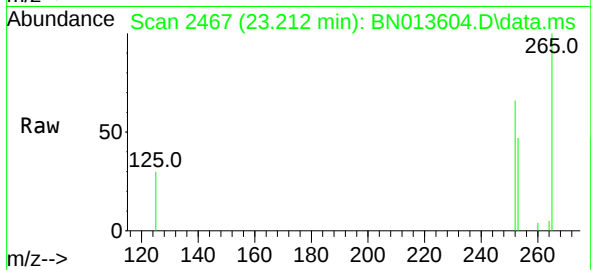
Tgt Ion:	252	Resp:	1499
Ion Ratio	Lower	Upper	
252	100		
253	71.5	21.8	32.6#
125	45.3	14.6	21.8#

Instrument :

BNA_N

ClientSampled :

PB134545BL



#40

Dibenzo(a,h)anthracene

Concen: 0.03 ng

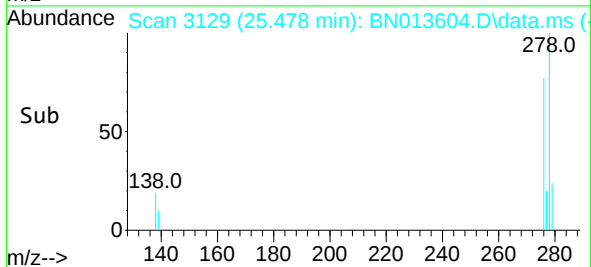
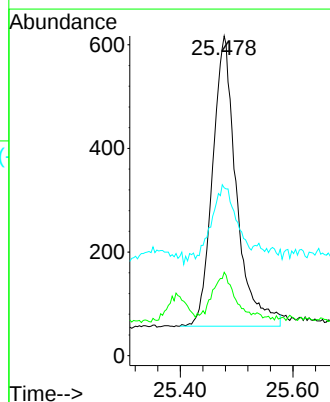
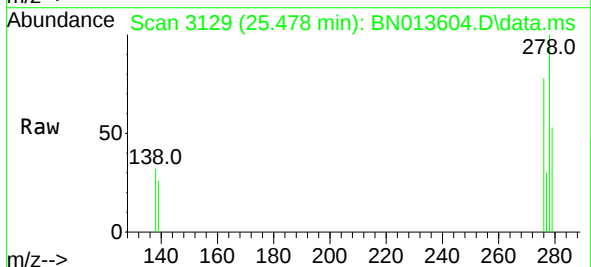
RT: 25.478 min Scan# 3129

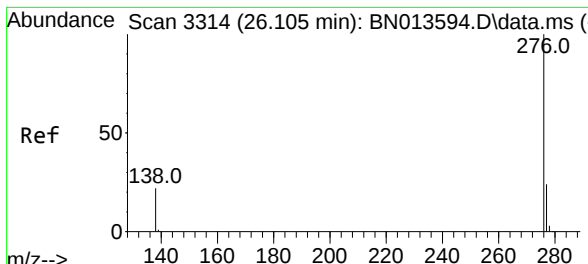
Delta R.T. 0.010 min

Lab File: BN013604.D

Acq: 09 Feb 2021 14:26

Tgt Ion:	278	Resp:	1646
Ion Ratio	Lower	Upper	
278	100		
139	26.1	13.1	19.7#
279	52.5	21.4	32.0#





#41
 Benzo(g,h,i)perylene
 Concen: 0.03 ng
 RT: 26.115 min Scan# 3315
 Delta R.T. 0.010 min
 Lab File: BN013604.D
 Acq: 09 Feb 2021 14:26

Instrument :
 BNA_N
 ClientSampleId :
 PB134545BL

Tgt Ion: 276 Resp: 1943

Ion	Ratio	Lower	Upper
276	100		
277	33.1	20.0	30.0#
138	30.5	17.8	26.8#

