

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102920\
 Data File : BN012438.D
 Acq On : 29 Oct 2020 15:08
 Operator : CG/JU
 Sample : L4511-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OB-9

Quant Time: Oct 30 09:04:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN102620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 28 10:32:47 2020
 Response via : Initial Calibration

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

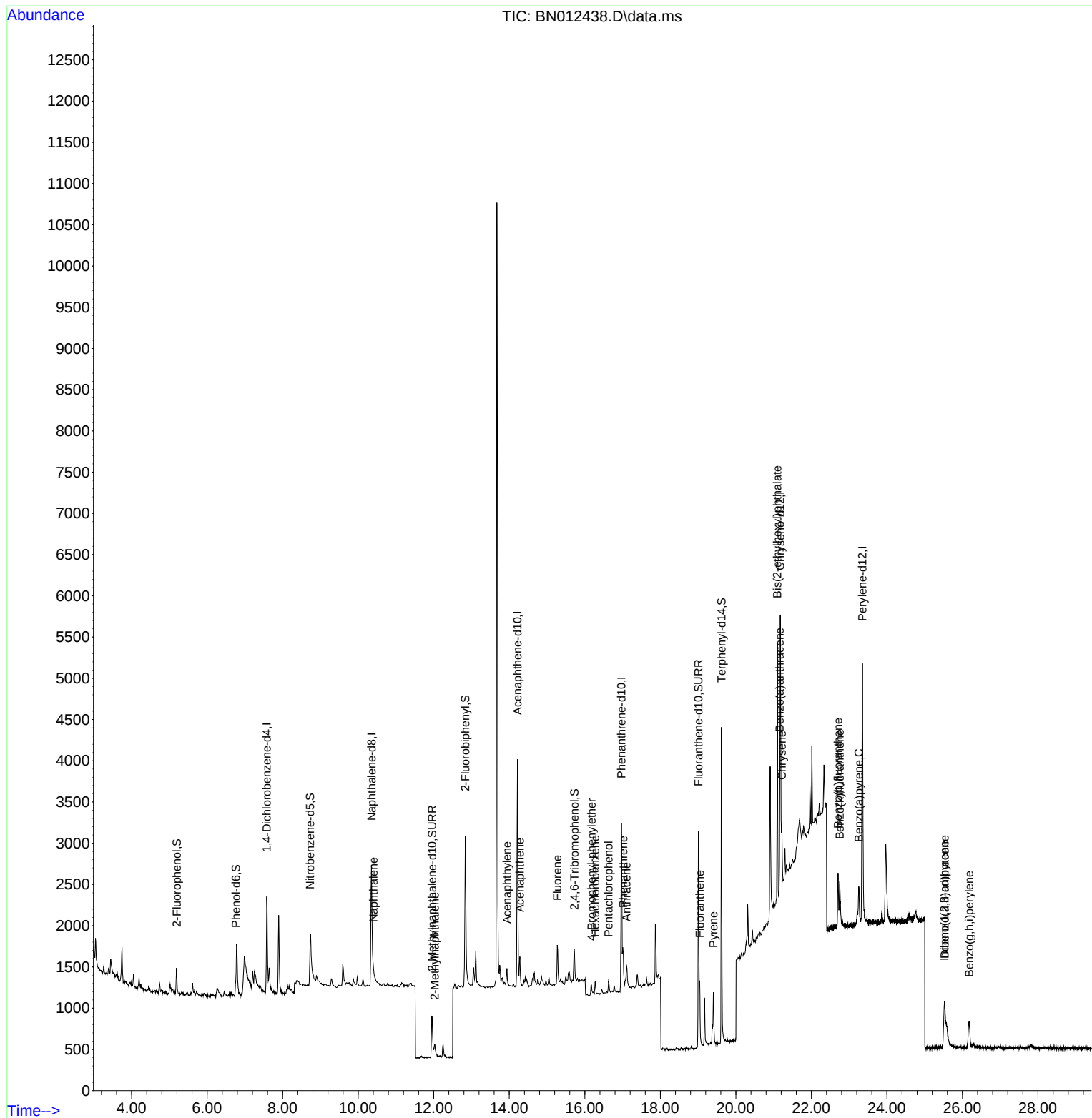
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.578	152	673	0.40	ng	# 0.00
7) Naphthalene-d8	10.352	136	2772	0.40	ng	0.00
13) Acenaphthene-d10	14.217	164	1638	0.40	ng	0.00
19) Phenanthrene-d10	16.968	188	3309	0.40	ng	# 0.00
29) Chrysene-d12	21.174	240	3728	0.40	ng	# 0.00
36) Perylene-d12	23.350	264	4359	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.194	112	212	0.09	ng	0.00
5) Phenol-d6	6.765	99	156	0.06	ng	0.00
8) Nitrobenzene-d5	8.729	82	902	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	11.953	152	1109	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.727	330	374	0.32	ng	0.00
15) 2-Fluorobiphenyl	12.835	172	2040	0.33	ng	-0.01
27) Fluoranthene-d10	19.008	212	3437	0.34	ng	0.00
31) Terphenyl-d14	19.618	244	4301	0.49	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.402	128	183	0.02	ng	# 4
12) 2-Methylnaphthalene	12.024	142	136	0.03	ng	# 80
16) Acenaphthylene	13.938	152	255	0.03	ng	95
17) Acenaphthene	14.281	154	183	0.04	ng	89
18) Fluorene	15.271	166	285	0.04	ng	# 98
21) 4-Bromophenyl-phenylether	16.177	248	84	0.04	ng	# 86
22) Hexachlorobenzene	16.275	284	115	0.05	ng	# 83
24) Pentachlorophenol	16.628	266	79	0.07	ng	# 85
25) Phenanthrene	17.017	178	525	0.05	ng	96
26) Anthracene	17.102	178	424	0.05	ng	97
28) Fluoranthene	19.043	202	618	0.05	ng	# 87
30) Pyrene	19.405	202	656	0.05	ng	# 94
32) Benzo(a)anthracene	21.163	228	570	0.05	ng	# 80
33) Chrysene	21.216	228	539	0.04	ng	# 79
34) Bis(2-ethylhexyl)phtha...	21.099	149	2543	0.34	ng	# 90
35) Indeno(1,2,3-cd)pyrene	25.517	276	757	0.04	ng	# 89
37) Benzo(b)fluoranthene	22.707	252	721	0.05	ng	# 1
38) Benzo(k)fluoranthene	22.748	252	644	0.04	ng	# 1
39) Benzo(a)pyrene	23.255	252	615	0.05	ng	# 1
40) Dibenzo(a,h)anthracene	25.527	278	616	0.04	ng	# 1
41) Benzo(g,h,i)perylene	26.174	276	747	0.05	ng	# 55

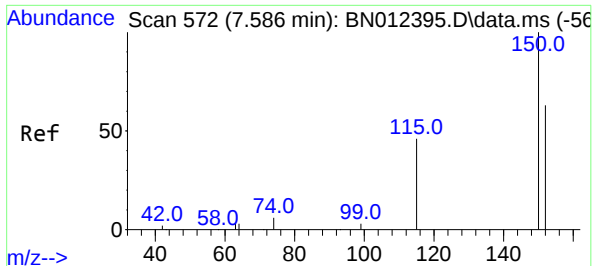
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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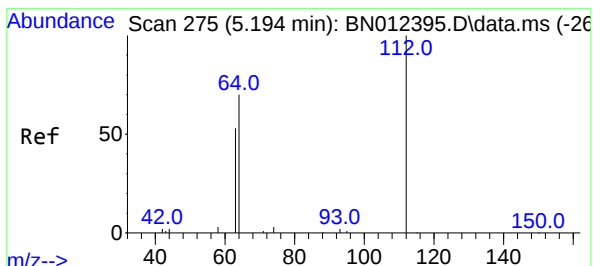
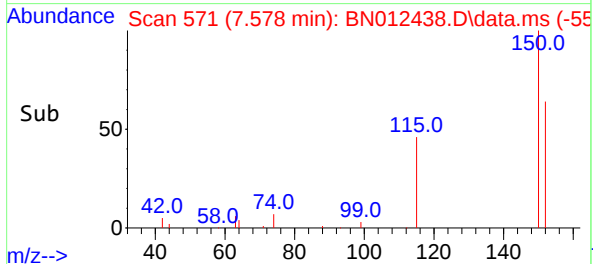
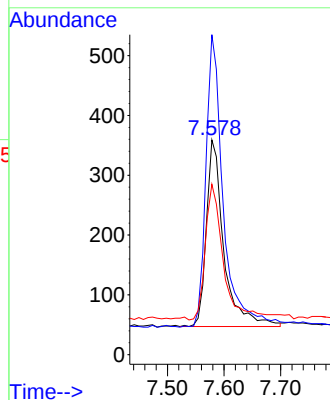
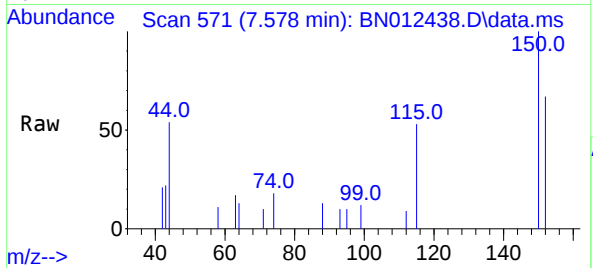




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.578 min Scan# 571
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

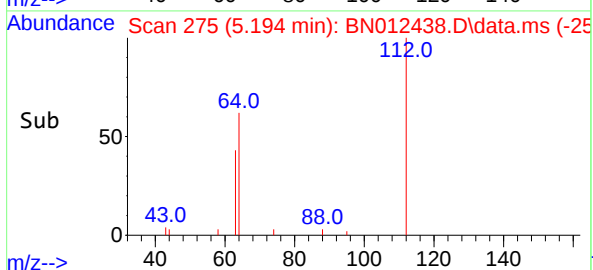
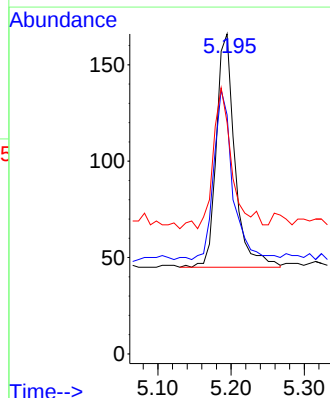
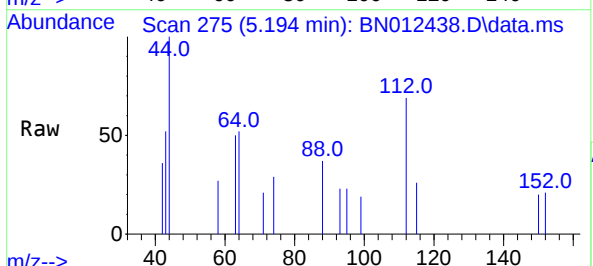
Instrument :
BNA_N
ClientSampled :
OB-9

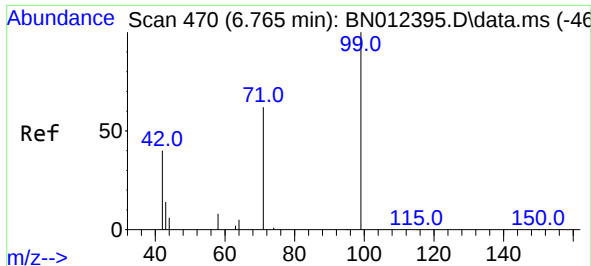
Tgt Ion:152 Resp: 673
Ion Ratio Lower Upper
152 100
150 149.0 116.6 174.8
115 79.4 52.9 79.3#



#4
2-Fluorophenol
Concen: 0.09 ng
RT: 5.194 min Scan# 275
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:112 Resp: 212
Ion Ratio Lower Upper
112 100
64 74.1 49.5 74.3
63 62.3 32.0 48.0#

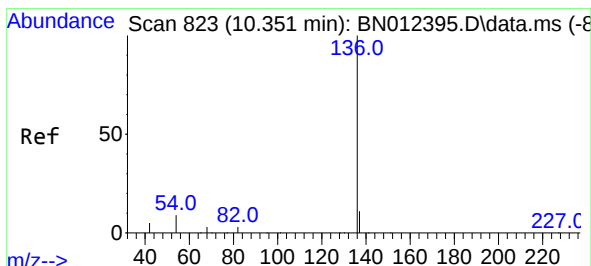
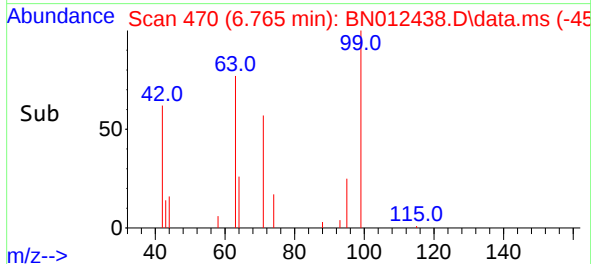
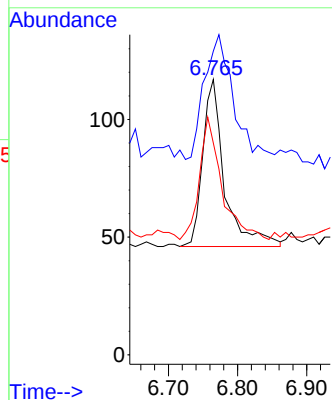
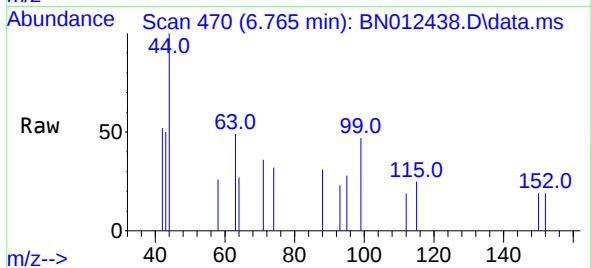




#5
Phenol-d6
Concen: 0.06 ng
RT: 6.765 min Scan# 470
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

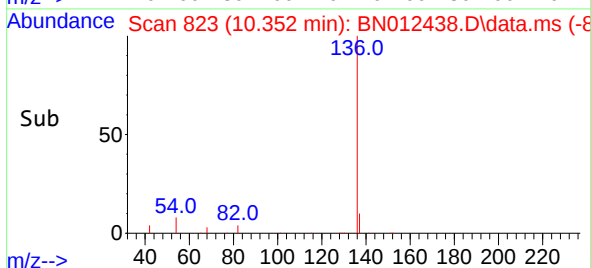
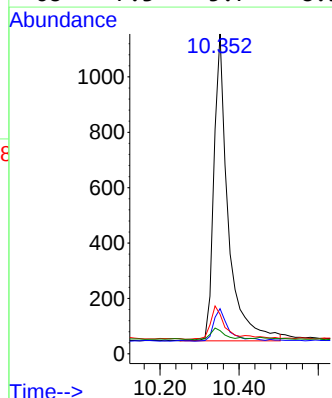
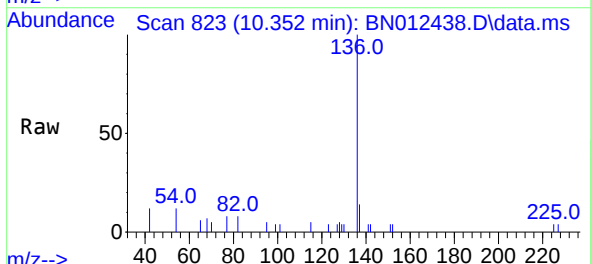
Instrument :
BNA_N
ClientSampled :
OB-9

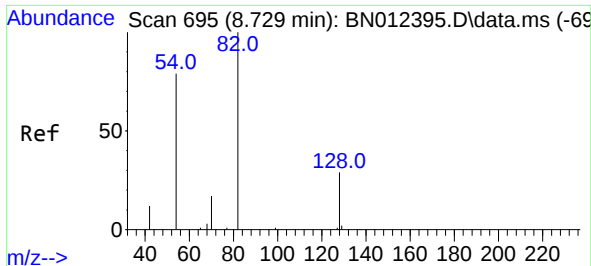
Tgt Ion: 99 Resp: 156
Ion Ratio Lower Upper
99 100
42 99.4 22.4 33.6#
71 74.4 37.8 56.6#



#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.352 min Scan# 823
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion: 136 Resp: 2772
Ion Ratio Lower Upper
136 100
137 14.1 10.6 15.8
54 12.4 8.6 12.8
68 7.3 5.7 8.5

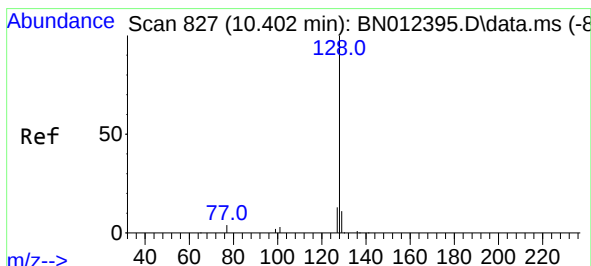
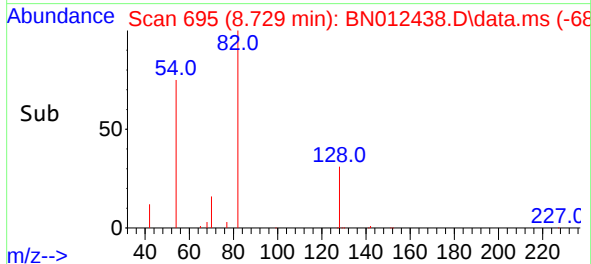
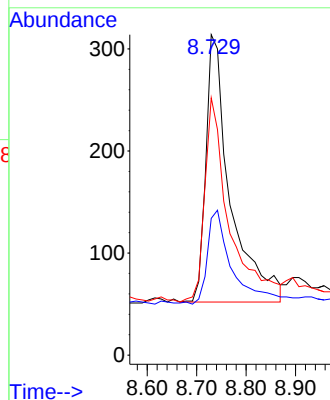
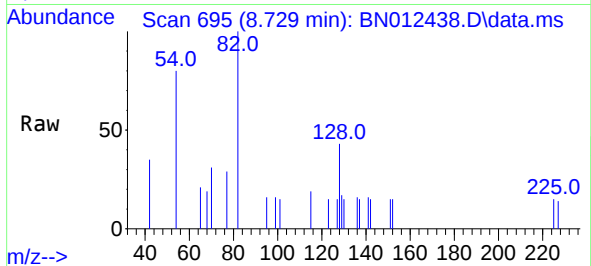




#8
Nitrobenzene-d5
Concen: 0.30 ng
RT: 8.729 min Scan# 695
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

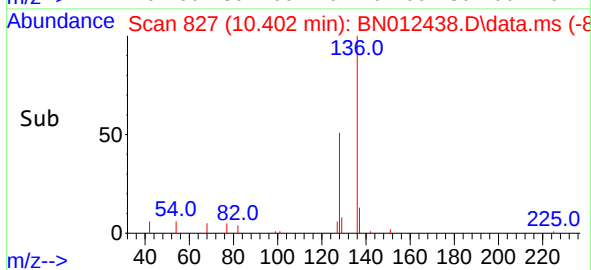
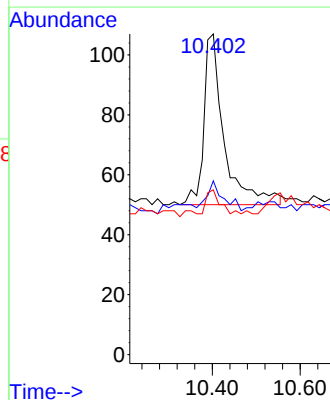
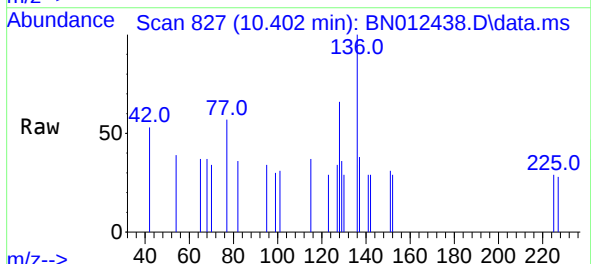
Instrument :
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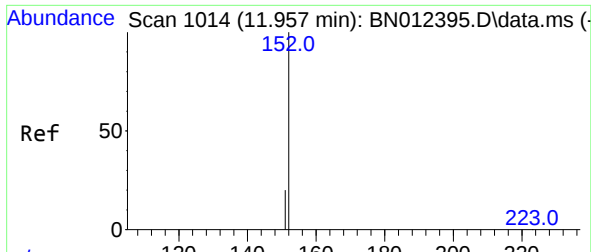
Tgt Ion:	82	Resp:	902
Ion	Ratio	Lower	Upper
82	100		
128	42.7	30.6	46.0
54	80.3	48.3	72.5#



#9
Naphthalene
Concen: 0.02 ng
RT: 10.402 min Scan# 827
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:	128	Resp:	183
Ion	Ratio	Lower	Upper
128	100		
129	54.2	9.8	14.8#
127	51.4	12.2	18.4#

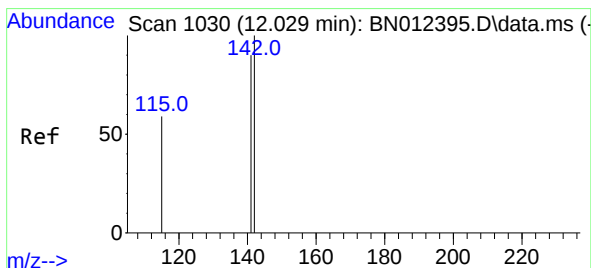
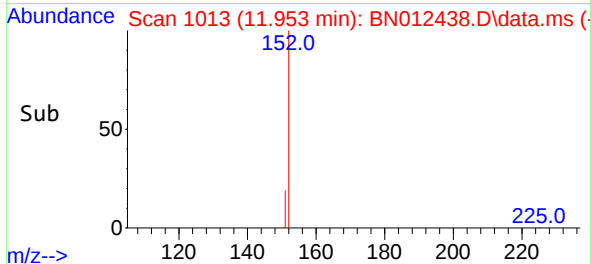
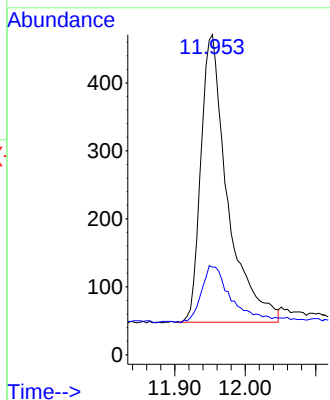
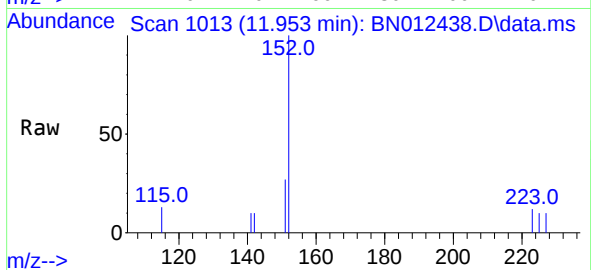




#11
2-Methylnaphthalene-d10
Concen: 0.25 ng
RT: 11.953 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

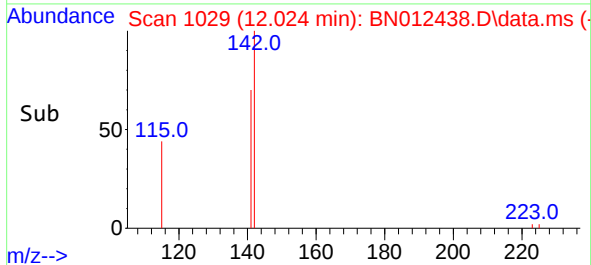
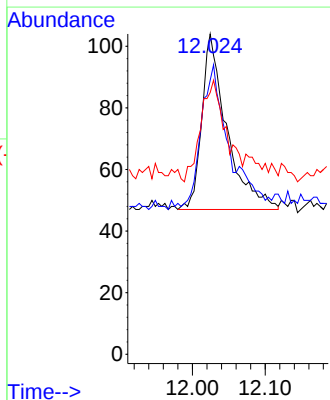
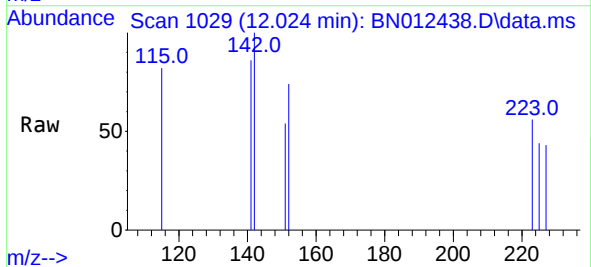
Instrument :
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ClientSampled :
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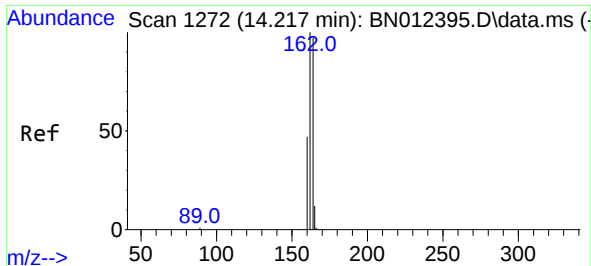
Tgt Ion:152 Resp: 1109
Ion Ratio Lower Upper
152 100
151 22.3 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.024 min Scan# 1029
Delta R.T. -0.004 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:142 Resp: 136
Ion Ratio Lower Upper
142 100
141 85.6 69.4 104.2
115 81.7 35.7 53.5#

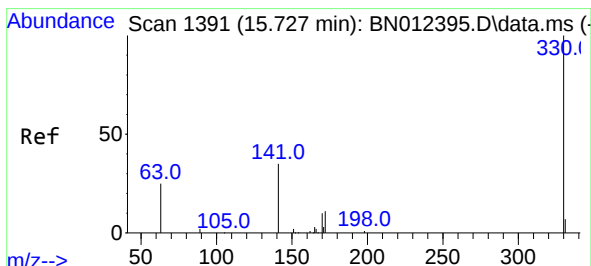
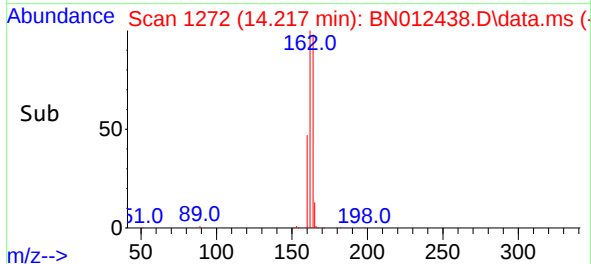
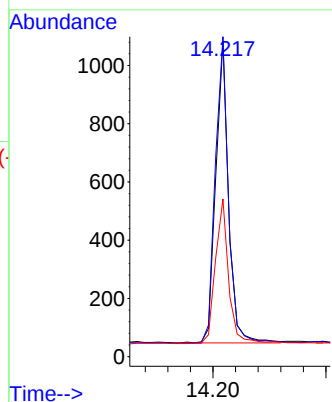
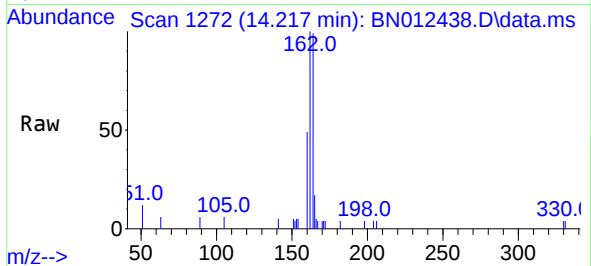




#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.217 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

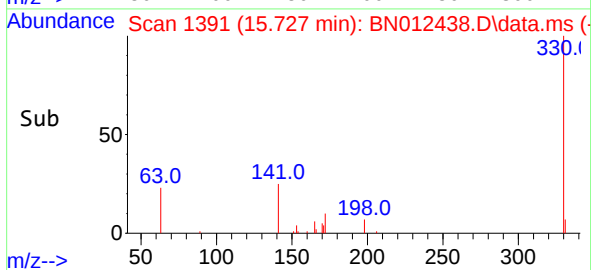
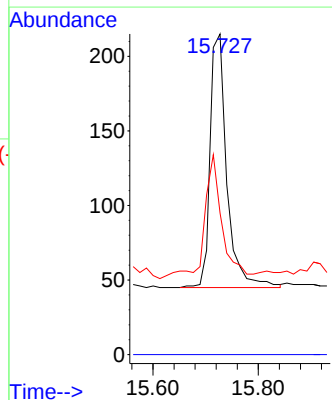
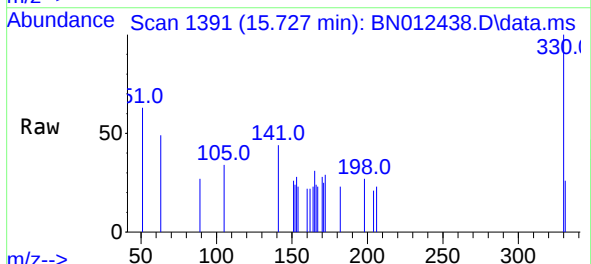
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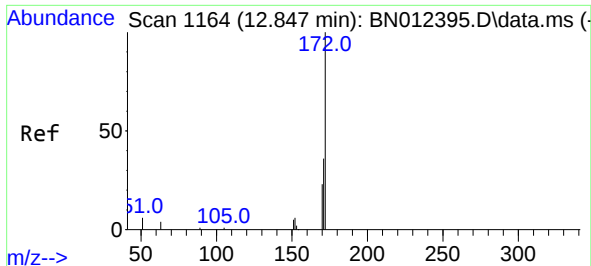
Tgt Ion:	164	Resp:	1638
Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	120.8
160	50.0	39.5	59.3



#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.727 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:	330	Resp:	374
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.2	34.4	51.6

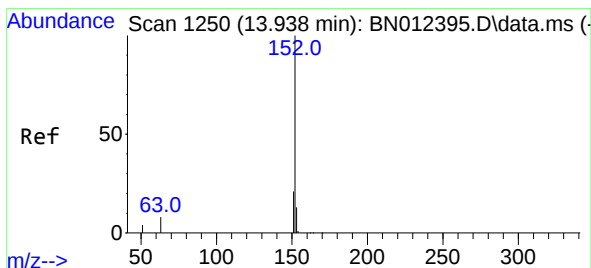
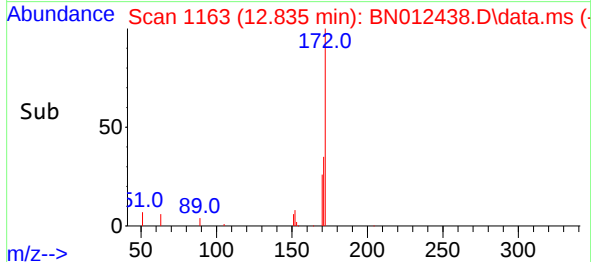
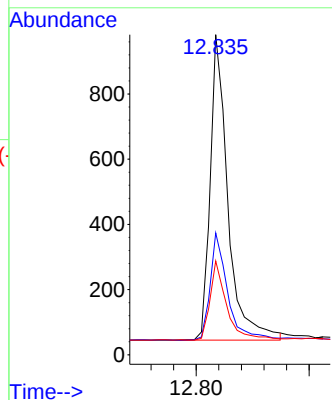
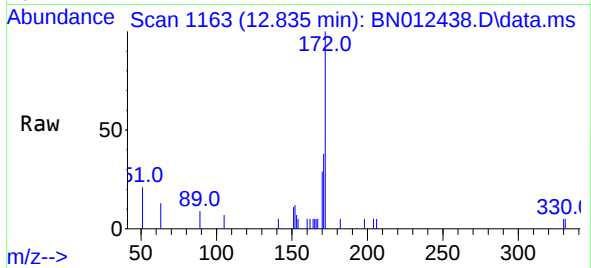




#15
2-Fluorobiphenyl
Concen: 0.33 ng
RT: 12.835 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

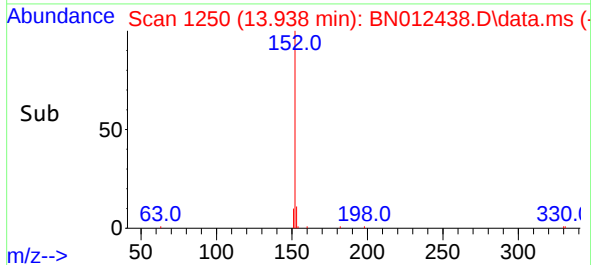
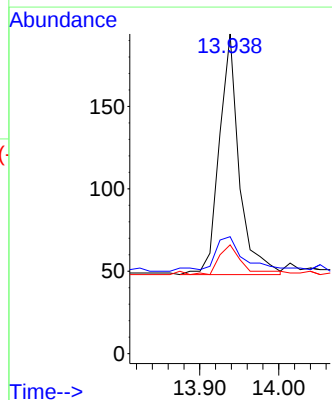
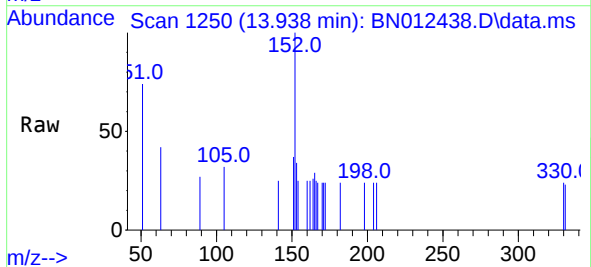
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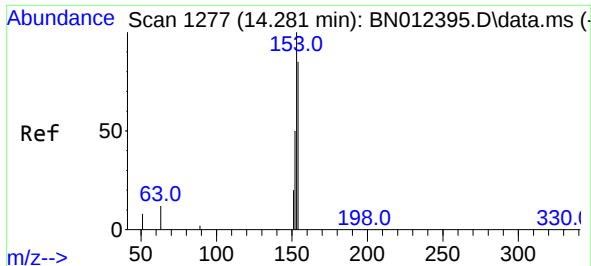
Tgt Ion:	172	Resp:	2040
Ion	Ratio	Lower	Upper
172	100		
171	38.1	28.2	42.4
170	29.3	20.0	30.0



#16
Acenaphthylene
Concen: 0.03 ng
RT: 13.938 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:	152	Resp:	255
Ion	Ratio	Lower	Upper
152	100		
151	22.0	15.8	23.8
153	15.7	10.6	16.0

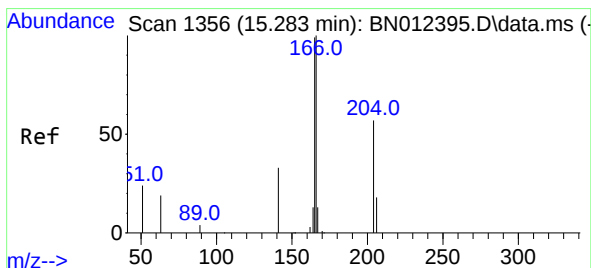
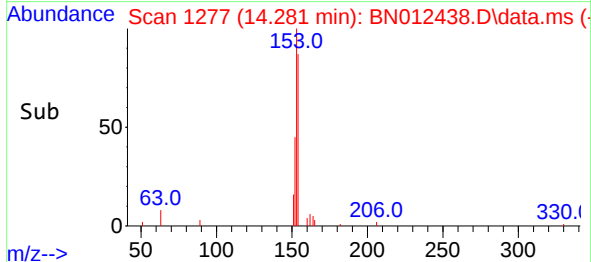
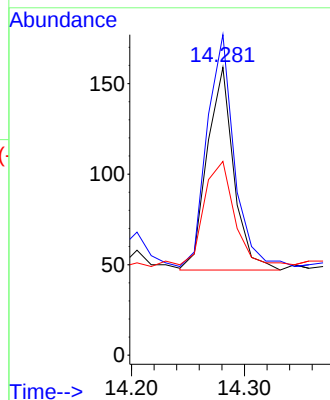
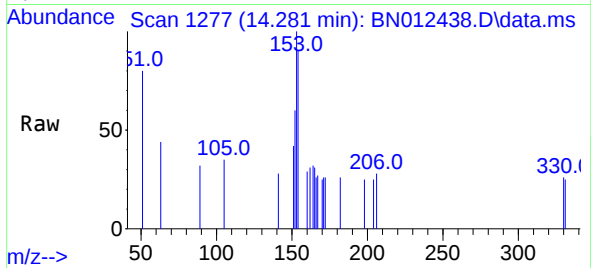




#17
Acenaphthene
Concen: 0.04 ng
RT: 14.281 min Scan# 1277
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

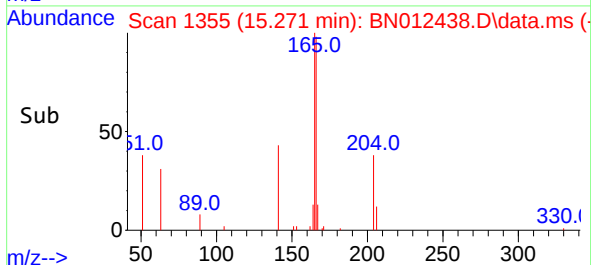
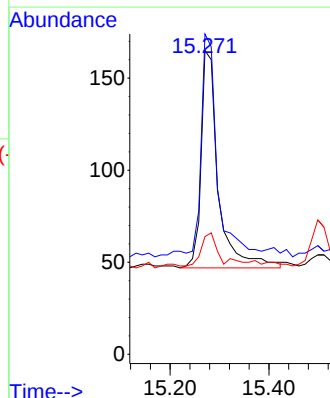
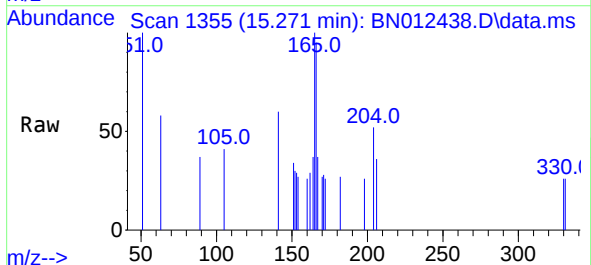
Instrument :
BNA_N
ClientSampled :
OB-9

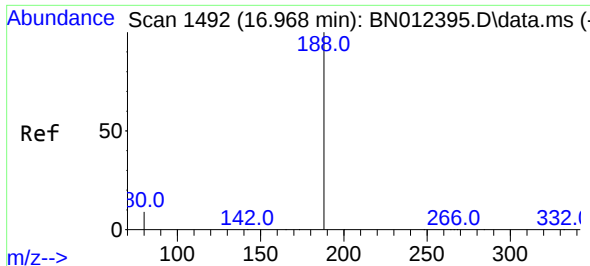
Tgt Ion:	154	Resp:	183
Ion	Ratio	Lower	Upper
154	100		
153	115.8	83.6	125.4
152	61.7	43.9	65.9



#18
Fluorene
Concen: 0.04 ng
RT: 15.271 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:	166	Resp:	285
Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.6	118.0
167	18.6	10.7	16.1

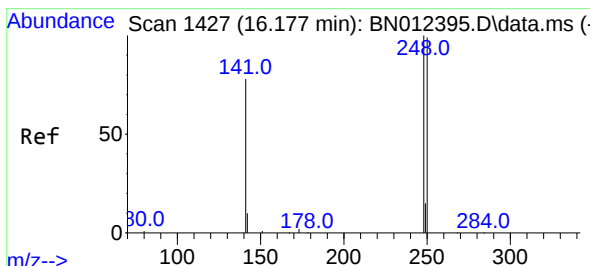
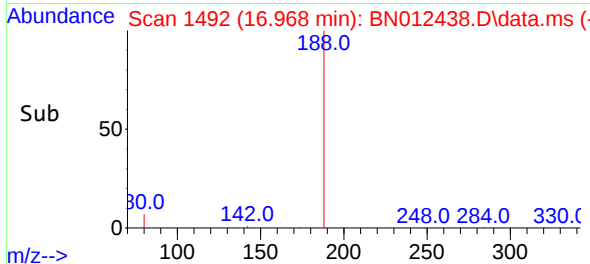
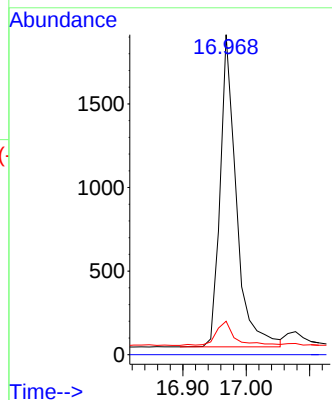
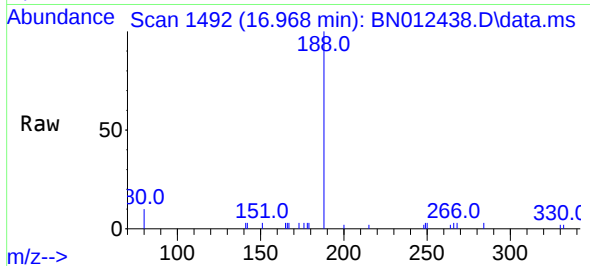




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.968 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

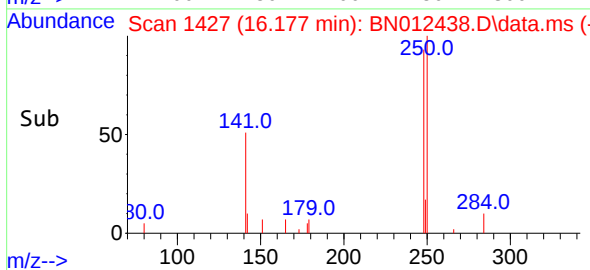
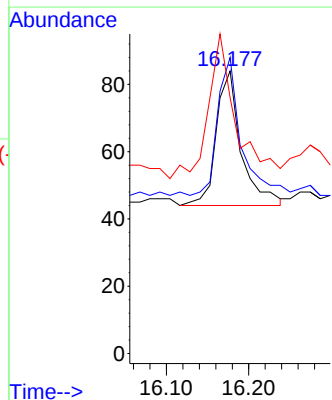
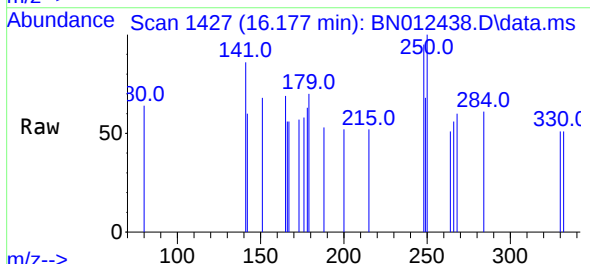
Instrument :
BNA_N
ClientSampled :
OB-9

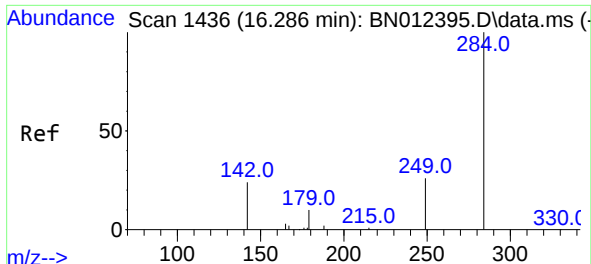
Tgt Ion:188 Resp: 3309
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.4 5.0 7.4#



#21
4-Bromophenyl-phenylether
Concen: 0.04 ng
RT: 16.177 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:248 Resp: 84
Ion Ratio Lower Upper
248 100
250 104.8 77.3 115.9
141 90.5 57.8 86.8#

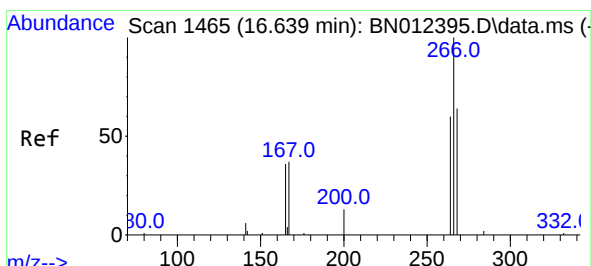
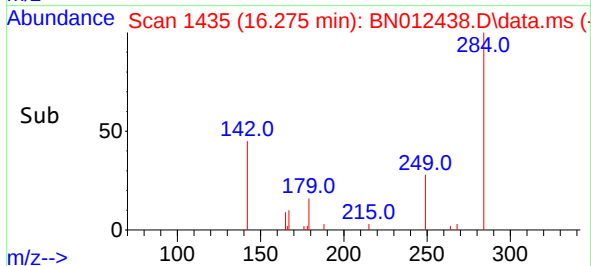
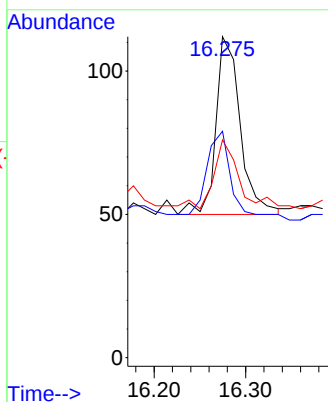
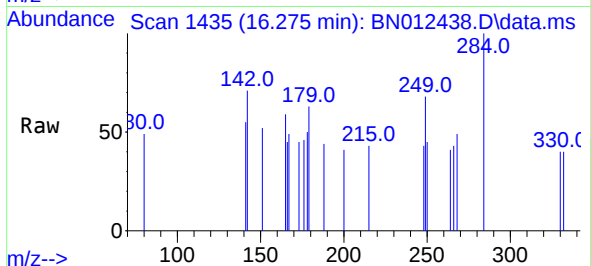




#22
Hexachlorobenzene
Concen: 0.05 ng
RT: 16.275 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

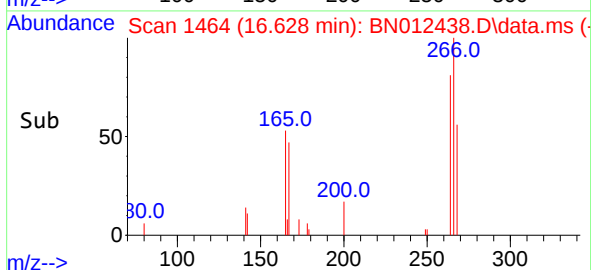
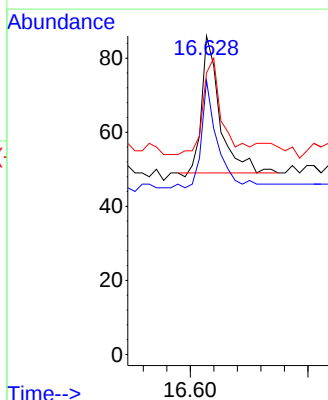
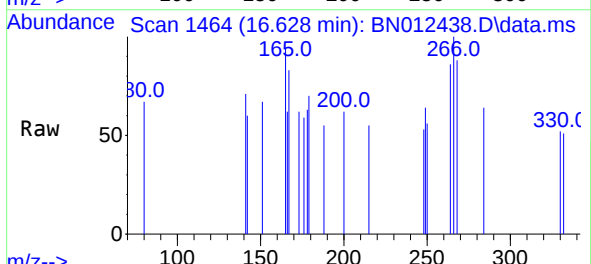
Instrument :
BNA_N
ClientSampled :
OB-9

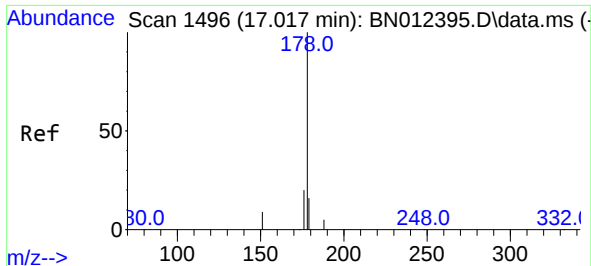
Tgt Ion:284 Resp: 115
Ion Ratio Lower Upper
284 100
142 53.0 32.0 48.0#
249 40.9 27.0 40.6#



#24
Pentachlorophenol
Concen: 0.07 ng
RT: 16.628 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:266 Resp: 79
Ion Ratio Lower Upper
266 100
264 81.0 50.9 76.3#
268 70.9 51.5 77.3

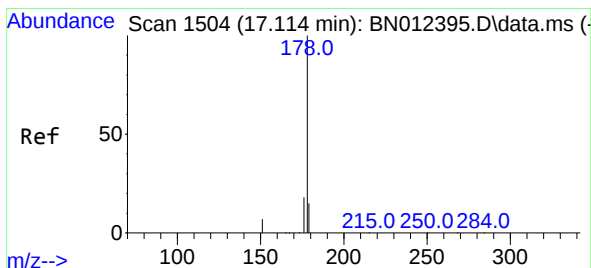
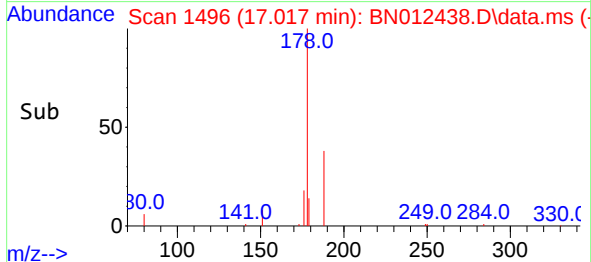
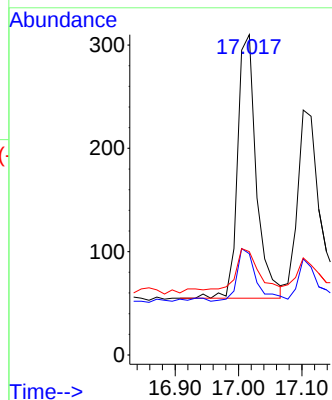
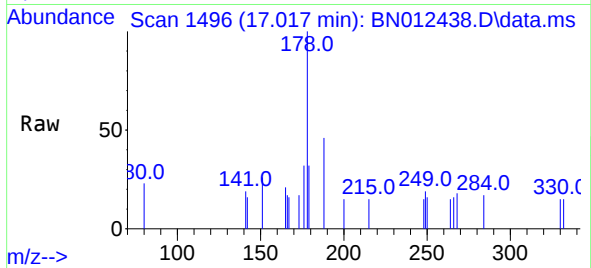




#25
Phenanthrene
Concen: 0.05 ng
RT: 17.017 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

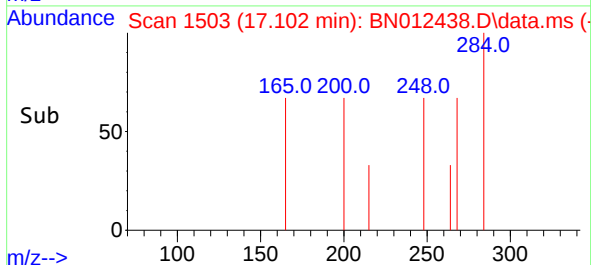
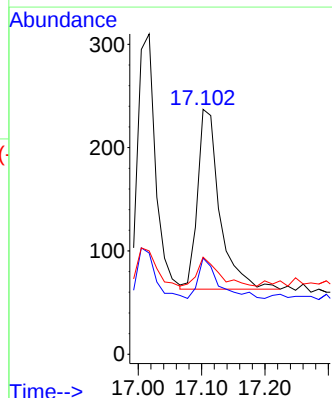
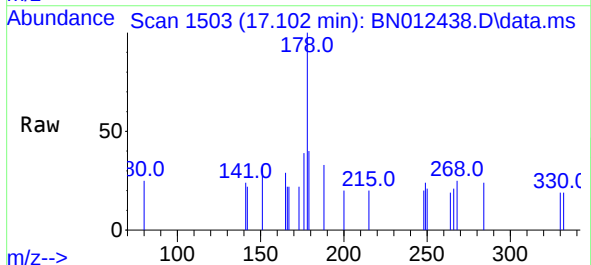
Instrument :
BNA_N
ClientSampled :
OB-9

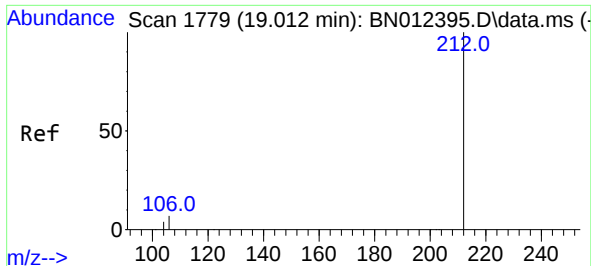
Tgt Ion:	178	Resp:	525
Ion	Ratio	Lower	Upper
178	100		
176	20.8	14.8	22.2
179	16.4	12.4	18.6



#26
Anthracene
Concen: 0.05 ng
RT: 17.102 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:	178	Resp:	424
Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.8	22.2
179	15.1	12.5	18.7

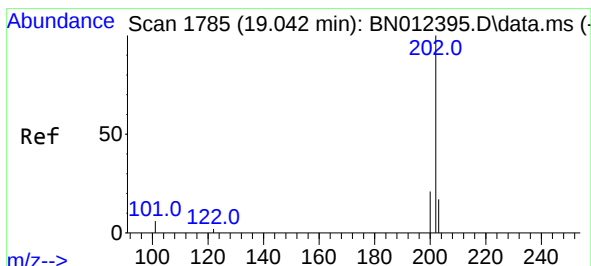
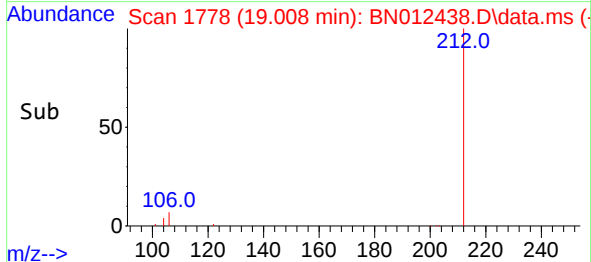
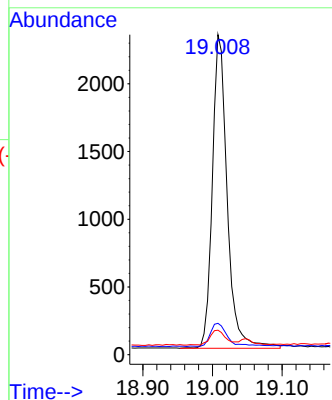
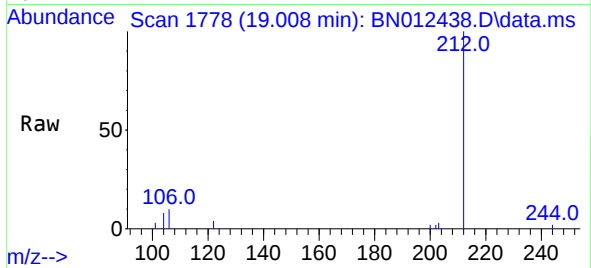




#27
Fluoranthene-d10
Concen: 0.34 ng
RT: 19.008 min Scan# 1778
Delta R.T. -0.005 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

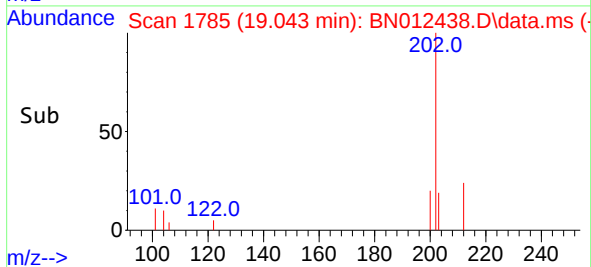
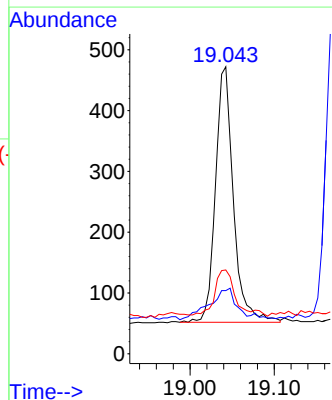
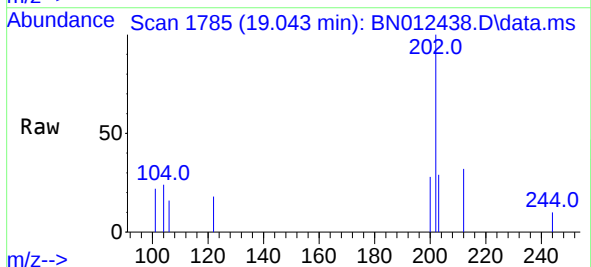
Instrument :
BNA_N
ClientSampleId :
OB-9

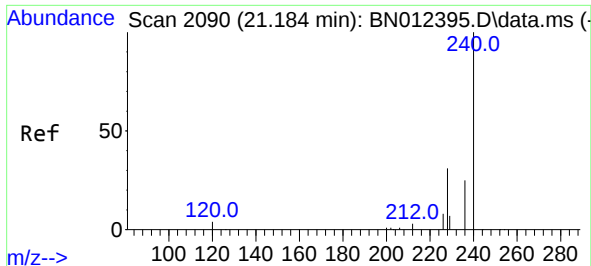
Tgt Ion:212 Resp: 3437
Ion Ratio Lower Upper
212 100
106 8.9 6.8 10.2
104 5.0 4.1 6.1



#28
Fluoranthene
Concen: 0.05 ng
RT: 19.043 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:202 Resp: 618
Ion Ratio Lower Upper
202 100
101 18.4 5.8 8.6#
203 18.9 13.7 20.5

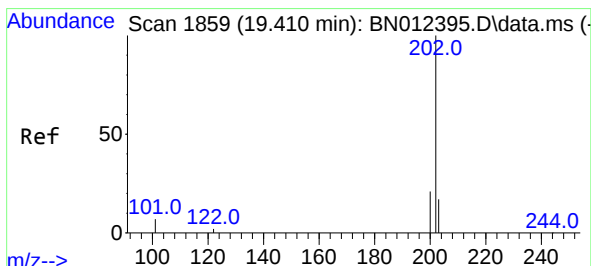
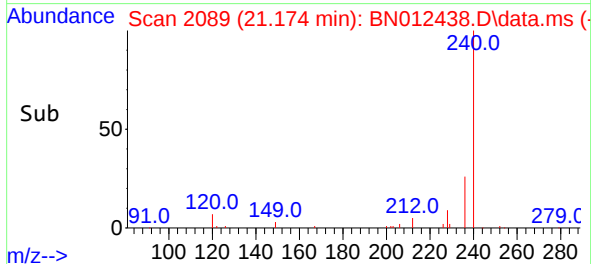
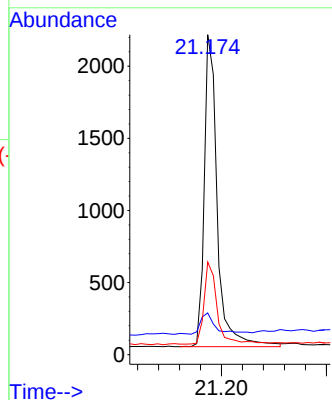
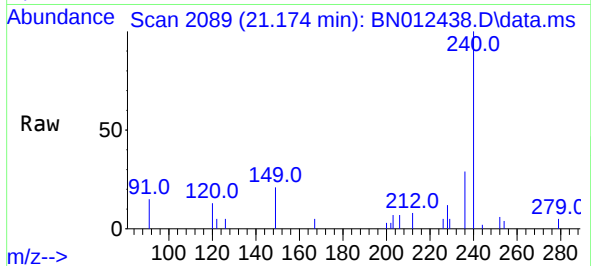




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.174 min Scan# 2089
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

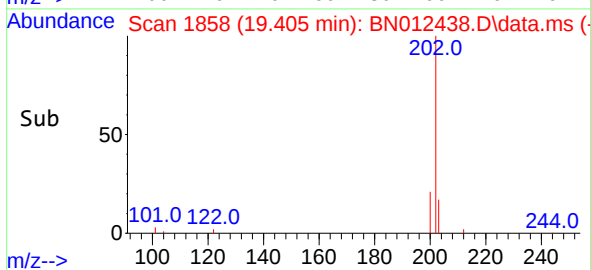
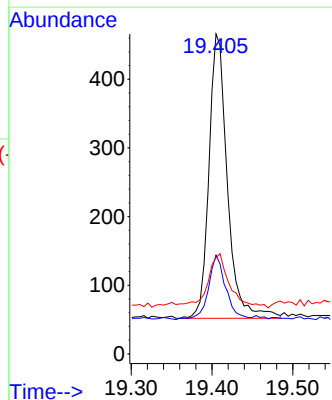
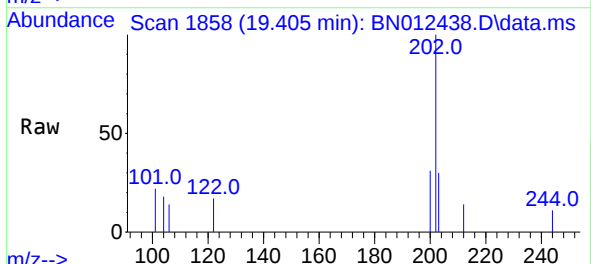
Instrument :
BNA_N
ClientSampled :
OB-9

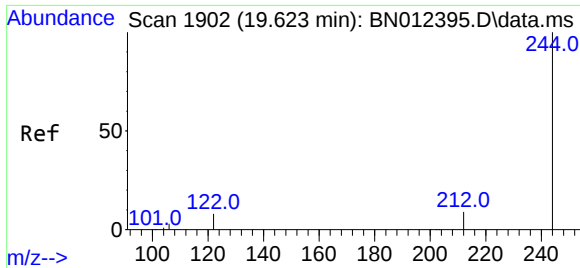
Tgt Ion:240 Resp: 3728
Ion Ratio Lower Upper
240 100
120 13.0 5.3 7.9#
236 28.9 21.8 32.8



#30
Pyrene
Concen: 0.05 ng
RT: 19.405 min Scan# 1858
Delta R.T. -0.005 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:202 Resp: 656
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 22.6 13.8 20.8#



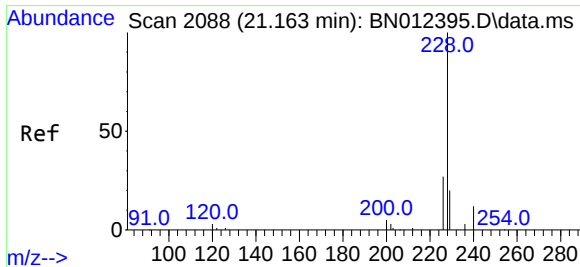
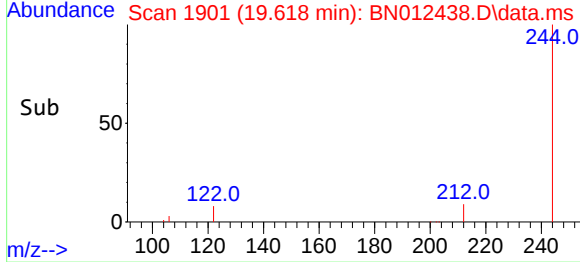
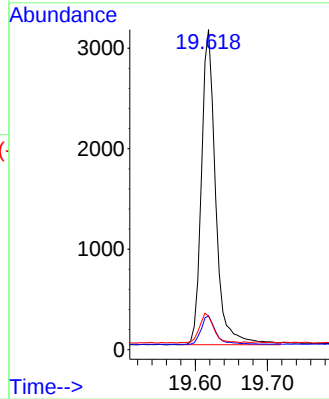
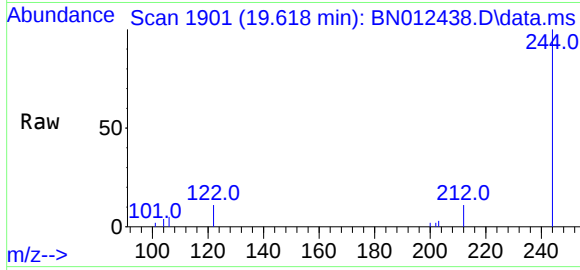


#31
 Terphenyl-d14
 Concen: 0.49 ng
 RT: 19.618 min Scan# 1901
 Delta R.T. -0.005 min
 Lab File: BN012438.D
 Acq: 29 Oct 2020 15:08

Instrument :
 BNA_N
 ClientSampled :
 OB-9

Tgt Ion:244 Resp: 4301

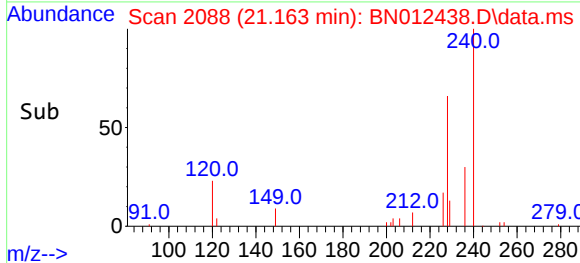
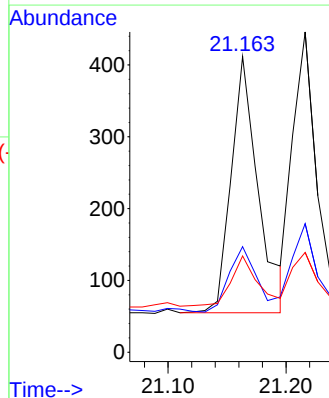
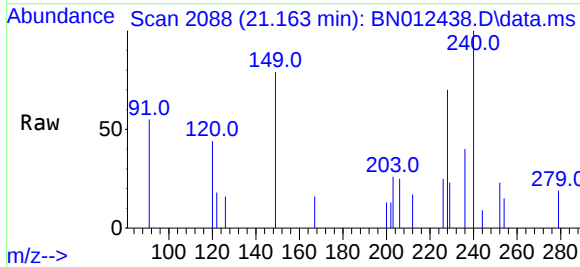
Ion	Ratio	Lower	Upper
244	100		
212	10.5	7.3	10.9
122	10.5	7.3	10.9

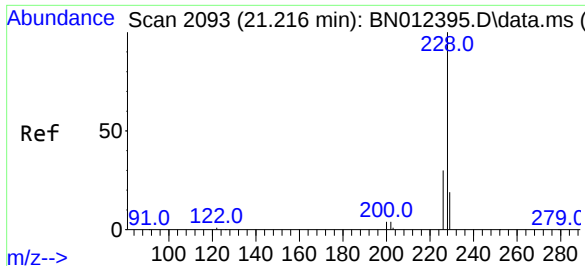


#32
 Benzo(a)anthracene
 Concen: 0.05 ng
 RT: 21.163 min Scan# 2088
 Delta R.T. 0.000 min
 Lab File: BN012438.D
 Acq: 29 Oct 2020 15:08

Tgt Ion:228 Resp: 570

Ion	Ratio	Lower	Upper
228	100		
226	35.7	22.3	33.5#
229	32.5	15.7	23.5#

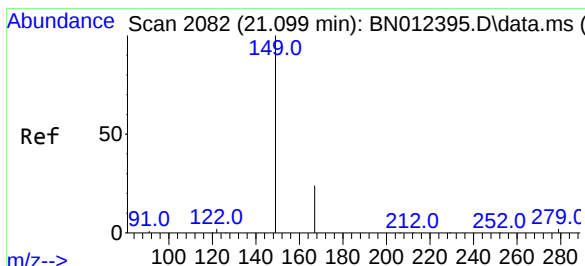
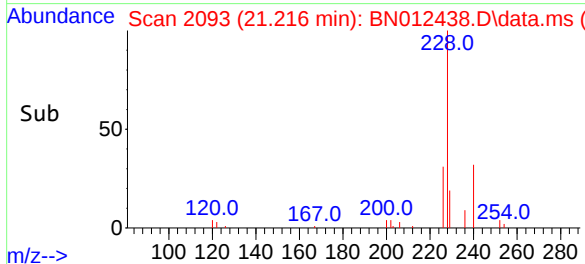
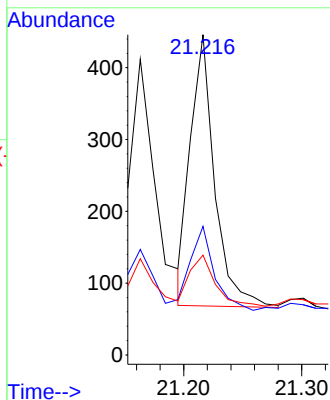
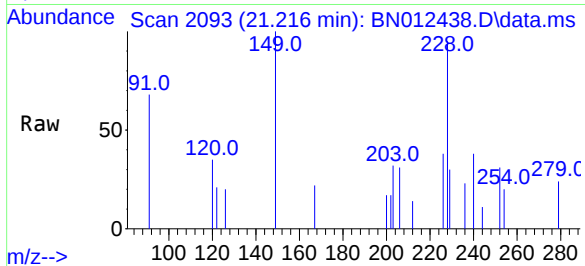




#33
Chrysene
Concen: 0.04 ng
RT: 21.216 min Scan# 2093
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

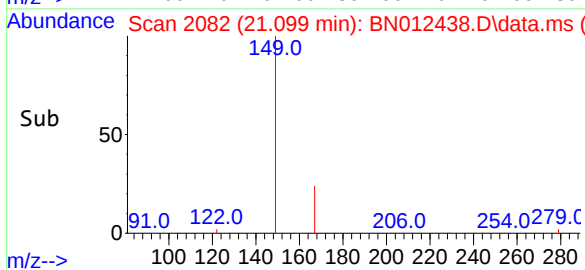
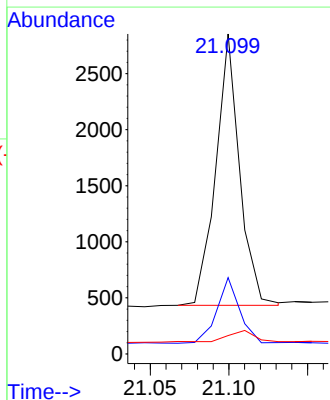
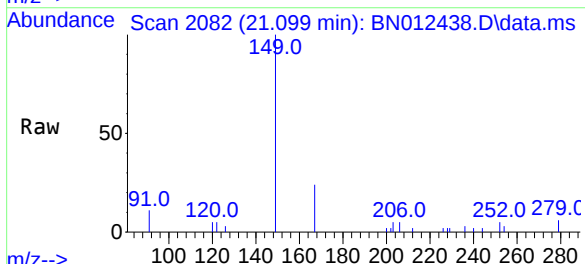
Instrument :
BNA_N
ClientSampled :
OB-9

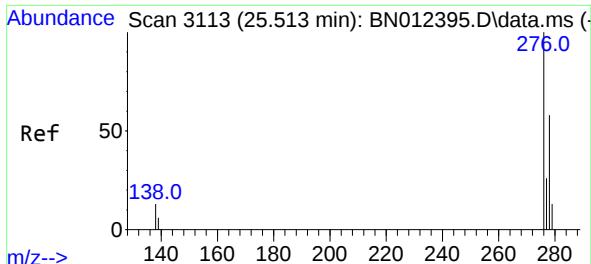
Tgt Ion:228 Resp: 539
Ion Ratio Lower Upper
228 100
226 40.1 24.2 36.2#
229 31.2 15.7 23.5#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.34 ng
RT: 21.099 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:149 Resp: 2543
Ion Ratio Lower Upper
149 100
167 23.2 23.2 34.8#
279 4.3 3.9 5.9

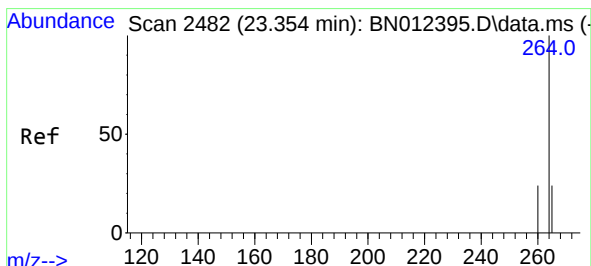
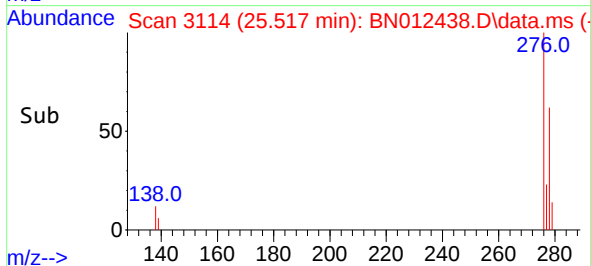
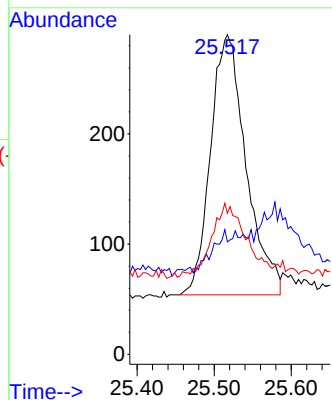
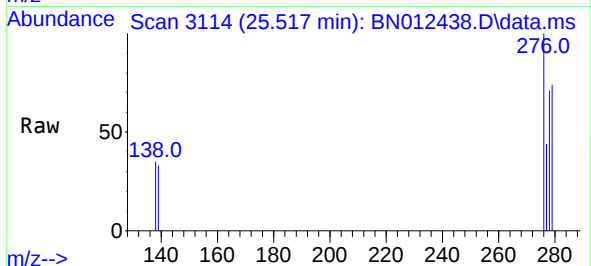




#35
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 25.517 min Scan# 3114
Delta R.T. 0.007 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

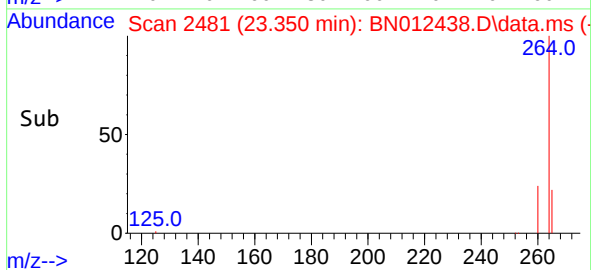
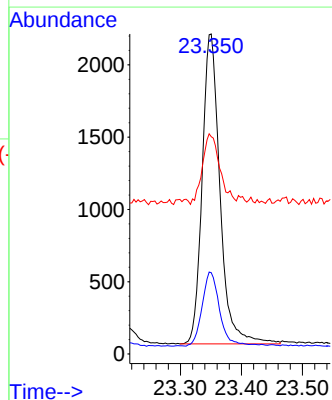
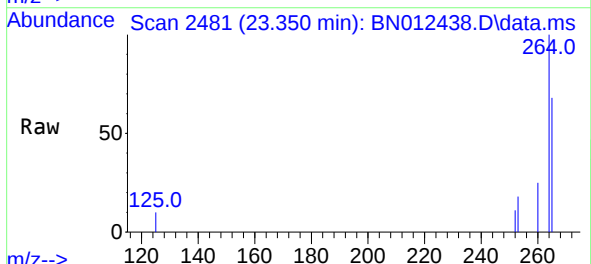
Instrument :
BNA_N
ClientSampled :
OB-9

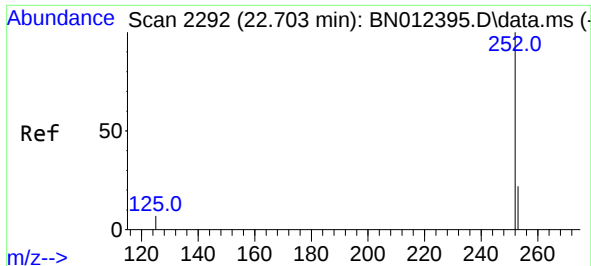
Tgt Ion:276 Resp: 757
Ion Ratio Lower Upper
276 100
138 7.7 13.3 19.9#
277 27.6 20.2 30.4



#36
Perylene-d12
Concen: 0.40 ng
RT: 23.350 min Scan# 2481
Delta R.T. -0.003 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Tgt Ion:264 Resp: 4359
Ion Ratio Lower Upper
264 100
260 25.4 19.8 29.6
265 67.9 51.4 77.0





#37

Benzo(b)fluoranthene

Concen: 0.05 ng

RT: 22.707 min Scan# 2293

Delta R.T. 0.004 min

Lab File: BN012438.D

Acq: 29 Oct 2020 15:08

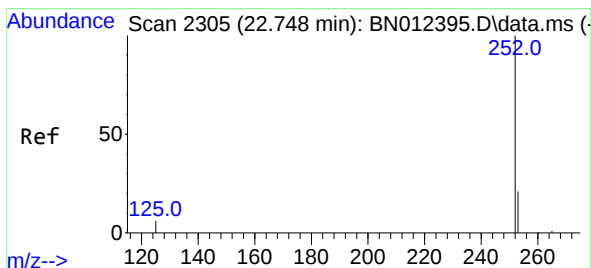
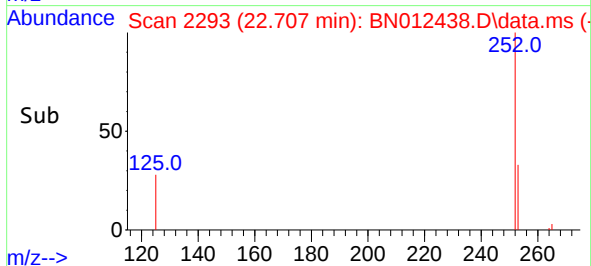
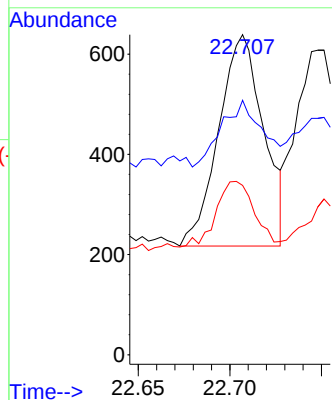
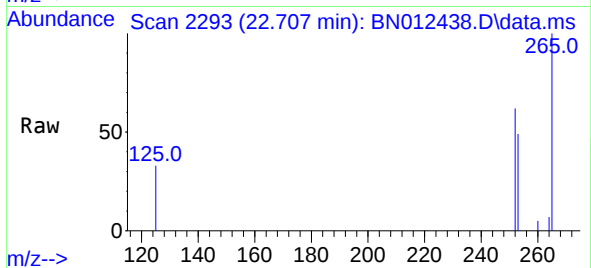
Tgt Ion:252 Resp: 721

Ion Ratio Lower Upper

252 100

253 79.5 20.1 30.1#

125 52.9 7.2 10.8#



#38

Benzo(k)fluoranthene

Concen: 0.04 ng

RT: 22.748 min Scan# 2305

Delta R.T. 0.000 min

Lab File: BN012438.D

Acq: 29 Oct 2020 15:08

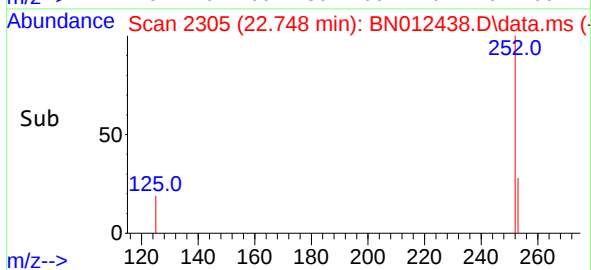
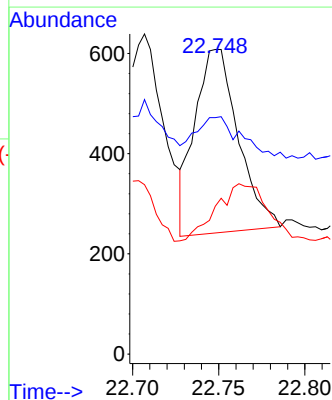
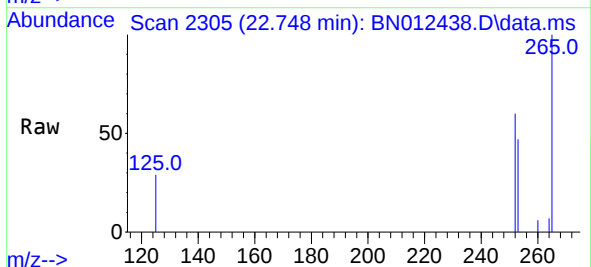
Tgt Ion:252 Resp: 644

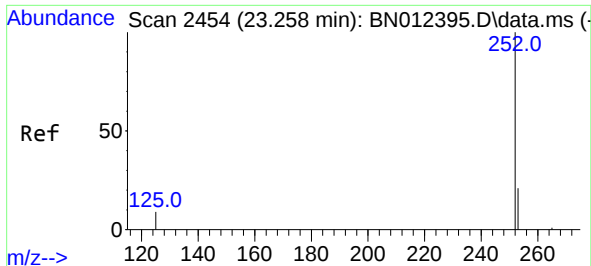
Ion Ratio Lower Upper

252 100

253 77.6 19.8 29.8#

125 48.5 7.1 10.7#





#39

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.255 min Scan# 2453

Delta R.T. -0.007 min

Lab File: BN012438.D

Acq: 29 Oct 2020 15:08

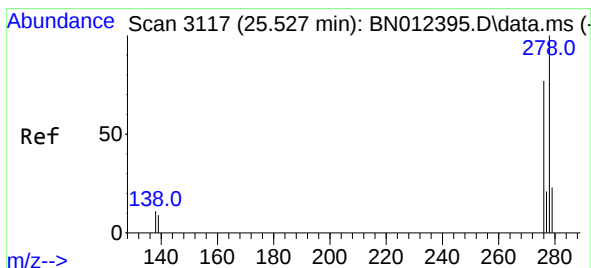
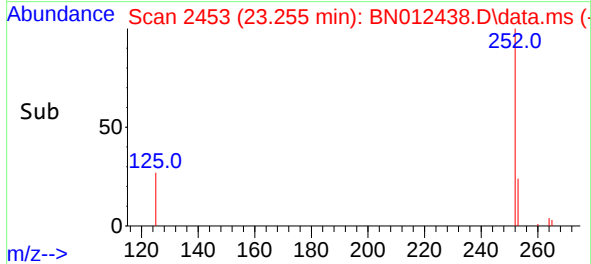
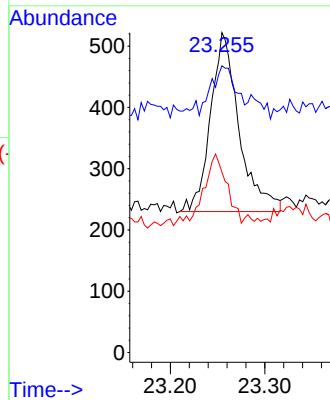
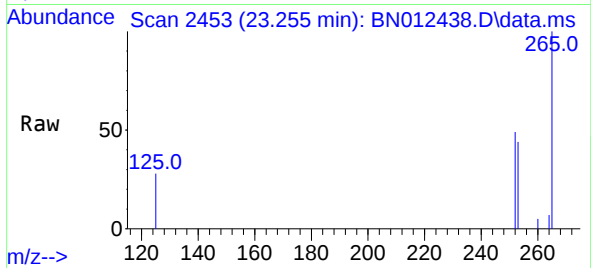
Tgt Ion:252	Resp:	615
Ion	Ratio	Lower Upper
252	100	
253	89.7	21.3 31.9#
125	56.3	8.3 12.5#

Instrument :

BNA_N

ClientSampled :

OB-9



#40

Dibenzo(a,h)anthracene

Concen: 0.04 ng

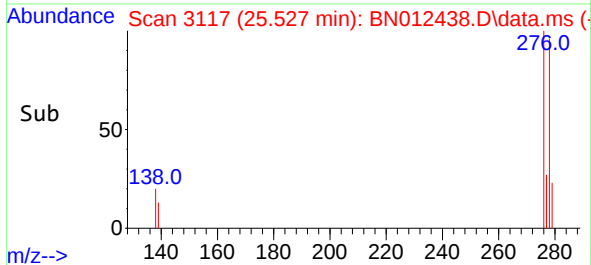
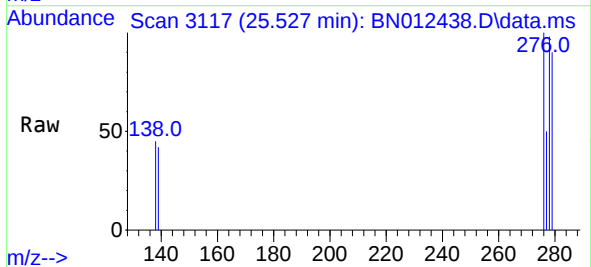
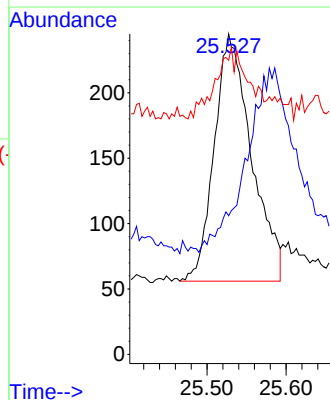
RT: 25.527 min Scan# 3117

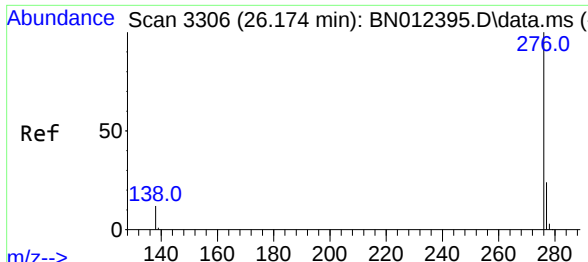
Delta R.T. 0.000 min

Lab File: BN012438.D

Acq: 29 Oct 2020 15:08

Tgt Ion:278	Resp:	616
Ion	Ratio	Lower Upper
278	100	
139	43.3	9.3 13.9#
279	91.8	21.6 32.4#





#41
Benzo(g,h,i)perylene
Concen: 0.05 ng
RT: 26.174 min Scan# 3306
Delta R.T. 0.004 min
Lab File: BN012438.D
Acq: 29 Oct 2020 15:08

Instrument :
BNA_N
ClientSampleId :
OB-9

Tgt Ion:276 Resp: 747
Ion Ratio Lower Upper
276 100
277 45.9 19.8 29.8#
138 34.6 11.7 17.5#

