

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121120\
 Data File : BN013077.D
 Acq On : 12 Dec 2020 05:56
 Operator : CG/JU
 Sample : L4960-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BES-12SR

Quant Time: Dec 14 03:05:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 11 01:53:51 2020
 Response via : Initial Calibration

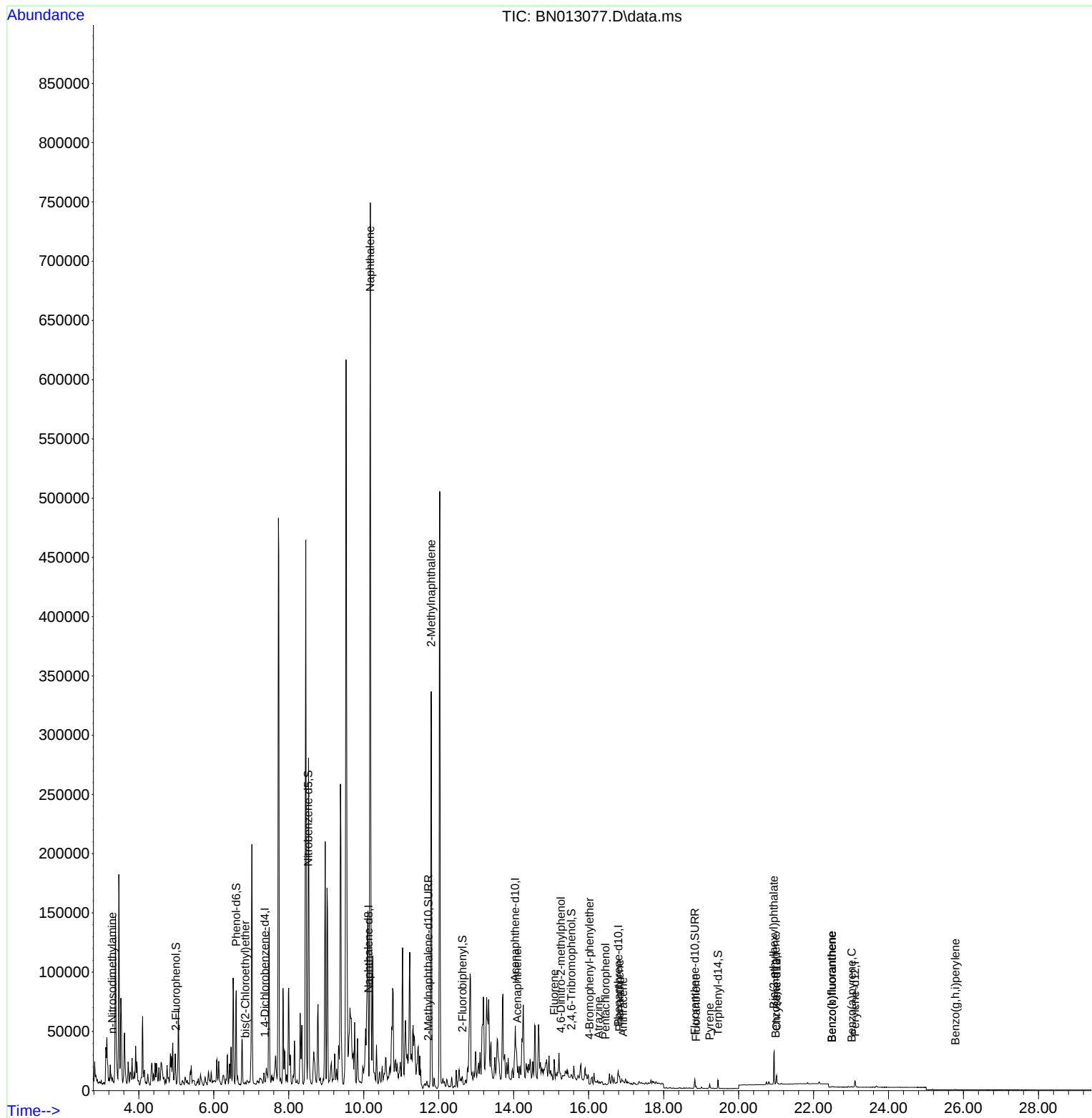
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.362	152	1043	0.40	ng	# 0.00
7) Naphthalene-d8	10.125	136	4484	0.40	ng	#-0.01
13) Acenaphthene-d10	14.042	164	28722	0.40	ng	# 0.01
19) Phenanthrene-d10	16.787	188	7711	0.40	ng	#-0.01
29) Chrysene-d12	21.014	240	6755	0.40	ng	# 0.00
36) Perylene-d12	23.107	264	6896	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.986	112	991	0.26	ng	0.00
5) Phenol-d6	6.597	99	1199	0.28	ng	0.02
8) Nitrobenzene-d5	8.515	82	1562	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	11.724	152	2882	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.539	330	747	0.04	ng	-0.01
15) 2-Fluorobiphenyl	12.633	172	4461	0.04	ng	-0.01
27) Fluoranthene-d10	18.833	212	7902	0.31	ng	0.00
31) Terphenyl-d14	19.449	244	6870	0.41	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.973	88	107	Below Cal	#	20
3) n-Nitrosodimethylamine	3.295	42	2851	1.04	ng	# 12
6) bis(2-Chloroethyl)ether	6.839	93	448	0.15	ng	# 17
9) Naphthalene	10.175	128	773371	56.38	ng	96
12) 2-Methylnaphthalene	11.800	142	221423	23.53	ng	97
17) Acenaphthene	14.092	154	5333	0.06	ng	# 56
18) Fluorene	15.082	166	8778	0.07	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.260	198	65	0.13	ng	# 1
21) 4-Bromophenyl-phenylether	16.020	248	135	0.08	ng	# 1
23) Atrazine	16.264	200	485	0.11	ng	# 1
24) Pentachlorophenol	16.446	266	72	0.03	ng	# 76
25) Phenanthrene	16.824	178	4603	0.18	ng	# 81
26) Anthracene	16.921	178	2670	0.12	ng	# 75
28) Fluoranthene	18.863	202	1766	0.06	ng	# 86
30) Pyrene	19.230	202	3527	0.14	ng	# 93
32) Benzo(a)anthracene	20.992	228	872	0.04	ng	# 47
34) Bis(2-ethylhexyl)phtha...	20.939	149	28280	1.87	ng	98
37) Benzo(b)fluoranthene	22.490	252	628	0.02	ng	# 1
38) Benzo(k)fluoranthene	22.490	252	628	0.02	ng	# 1
39) Benzo(a)pyrene	23.018	252	583	0.02	ng	# 1
41) Benzo(g,h,i)perylene	25.780	276	737	0.03	ng	# 47

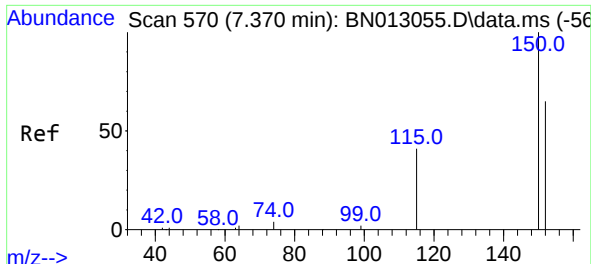
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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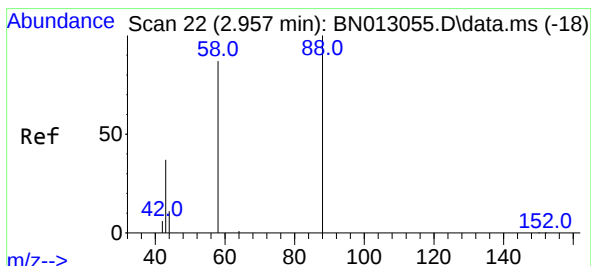
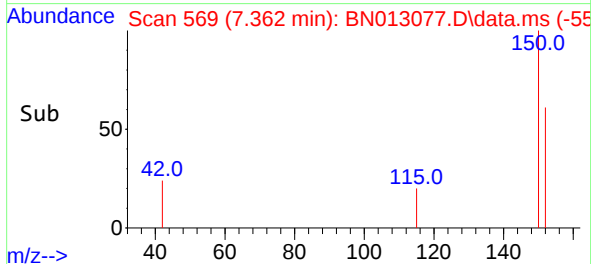
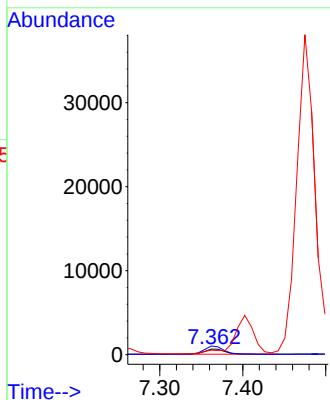
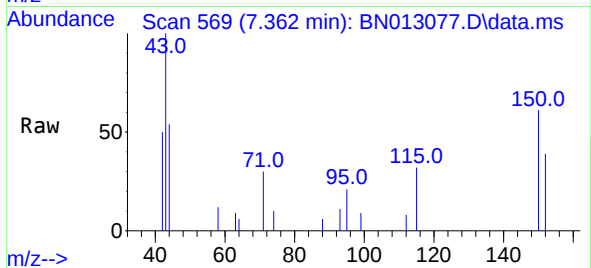




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.362 min Scan# 569
 Delta R.T. -0.008 min
 Lab File: BN013077.D
 Acq: 12 Dec 2020 05:56

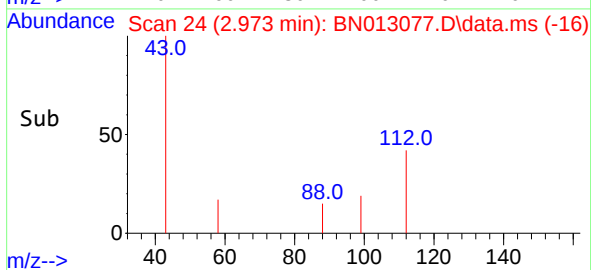
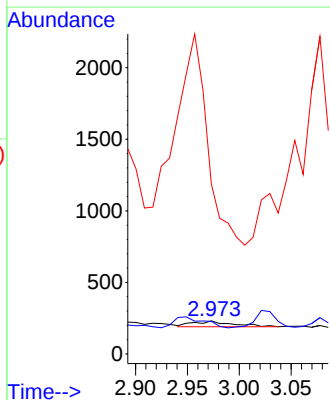
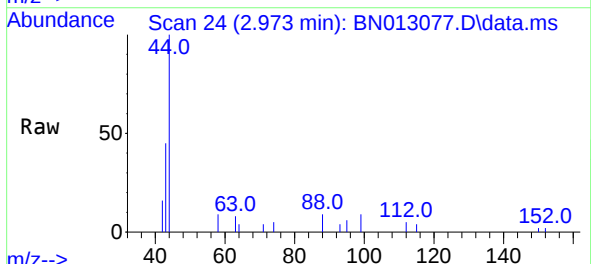
Instrument :
 BNA_N
 ClientSampleId :
 BES-12SR

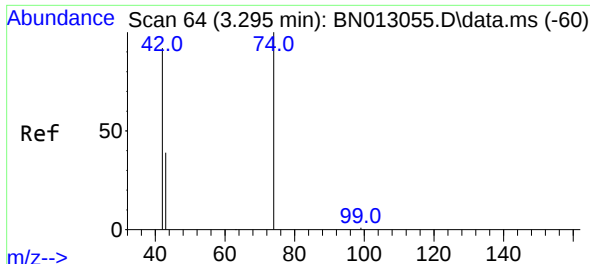
Tgt Ion:152 Resp: 1043
 Ion Ratio Lower Upper
 152 100
 150 154.1 116.6 174.8
 115 80.7 52.9 79.3#



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 2.973 min Scan# 24
 Delta R.T. 0.016 min
 Lab File: BN013077.D
 Acq: 12 Dec 2020 05:56

Tgt Ion: 88 Resp: 107
 Ion Ratio Lower Upper
 88 100
 58 0.0 59.4 89.2#
 43 0.0 32.3 48.5#

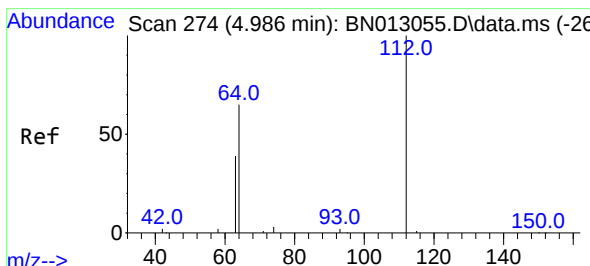
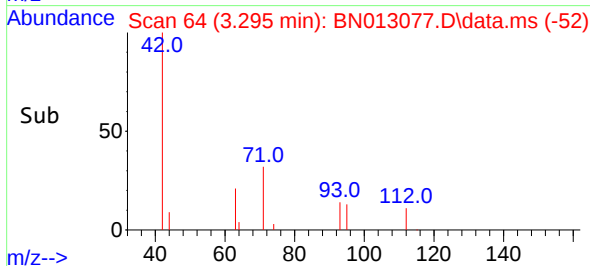
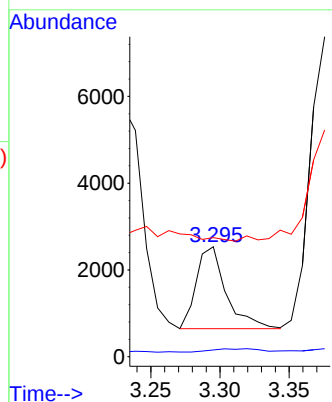
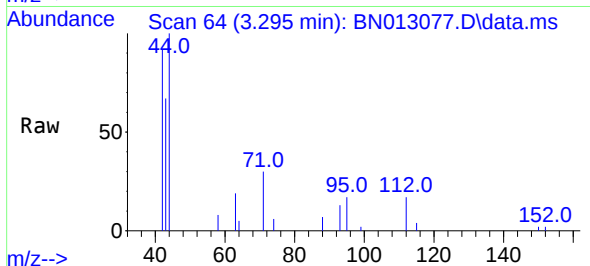




#3
n-Nitrosodimethylamine
Concen: 1.04 ng
RT: 3.295 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

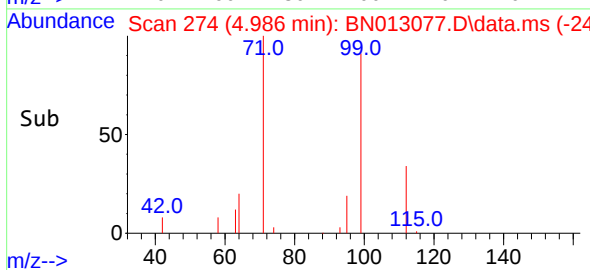
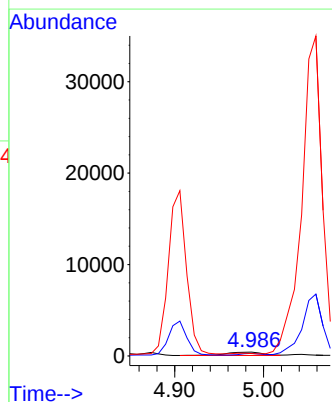
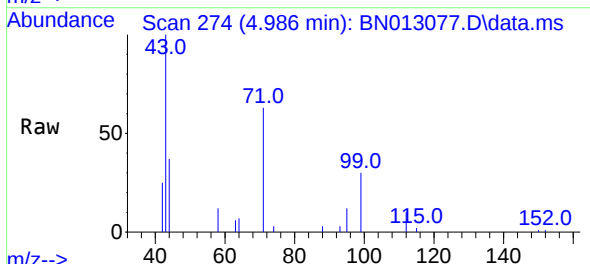
Instrument :
BNA_N
ClientSampled :
BES-12SR

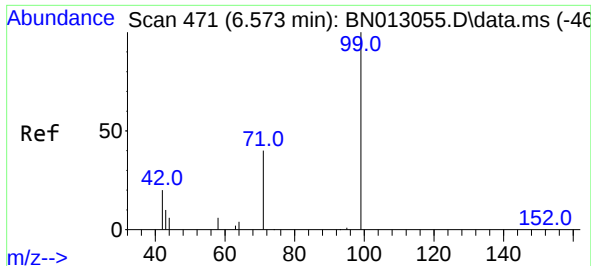
Tgt Ion: 42 Resp: 2851
Ion Ratio Lower Upper
42 100
74 0.0 64.4 96.6#
44 0.0 2.8 4.2#



#4
2-Fluorophenol
Concen: 0.26 ng
RT: 4.986 min Scan# 274
Delta R.T. 0.000 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion: 112 Resp: 991
Ion Ratio Lower Upper
112 100
64 34.4 49.5 74.3#
63 0.0 32.0 48.0#

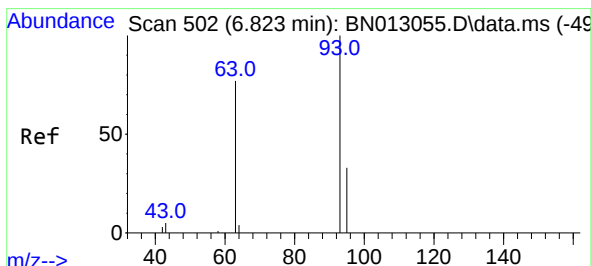
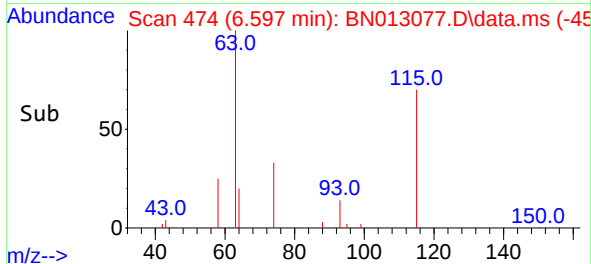
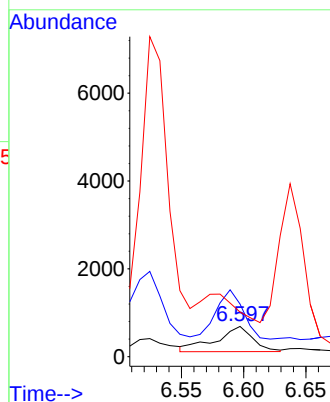
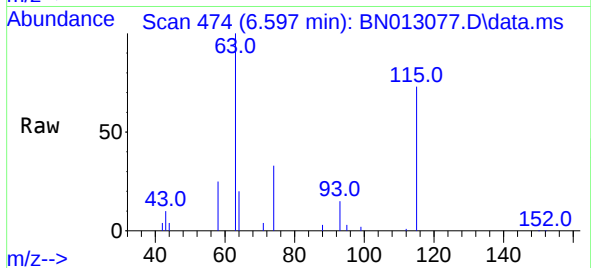




#5
Phenol-d6
Concen: 0.28 ng
RT: 6.597 min Scan# 474
Delta R.T. 0.024 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

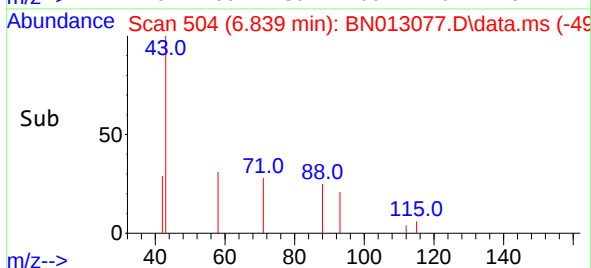
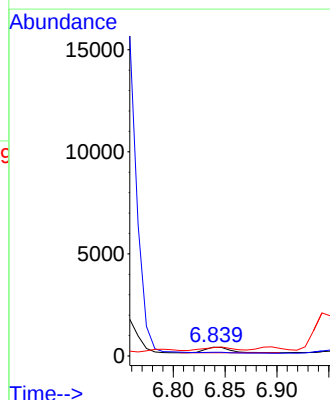
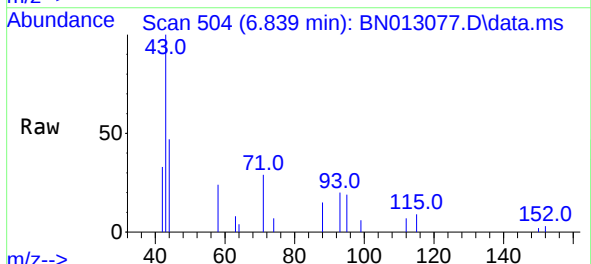
Instrument :
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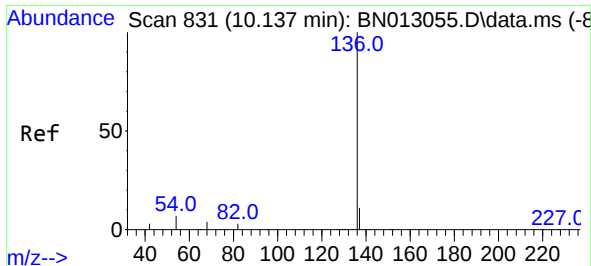
Tgt Ion: 99 Resp: 1199
Ion Ratio Lower Upper
99 100
42 142.6 22.4 33.6#
71 0.0 37.8 56.6#



#6
bis(2-Chloroethyl)ether
Concen: 0.15 ng
RT: 6.839 min Scan# 504
Delta R.T. 0.016 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion: 93 Resp: 448
Ion Ratio Lower Upper
93 100
63 0.0 63.1 94.7#
95 68.8 26.1 39.1#

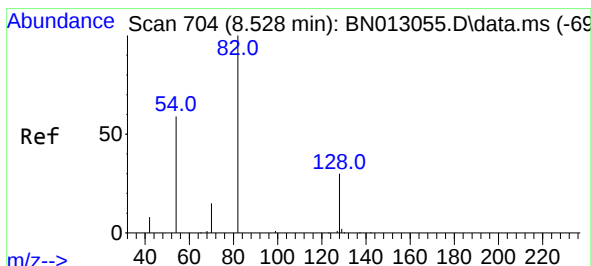
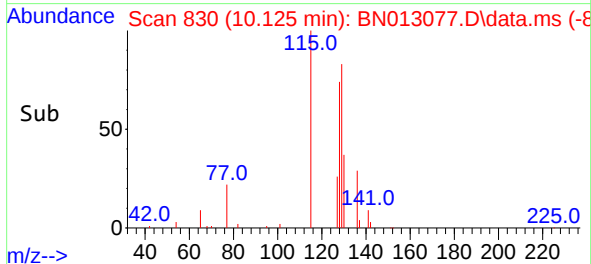
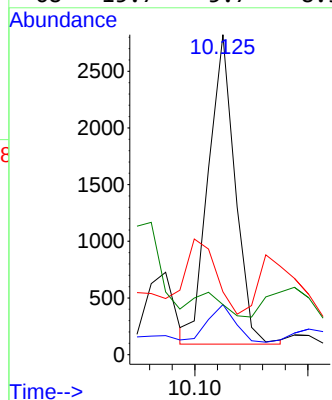
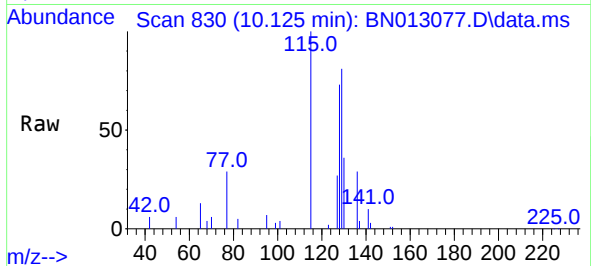




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.125 min Scan# 830
Delta R.T. -0.013 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

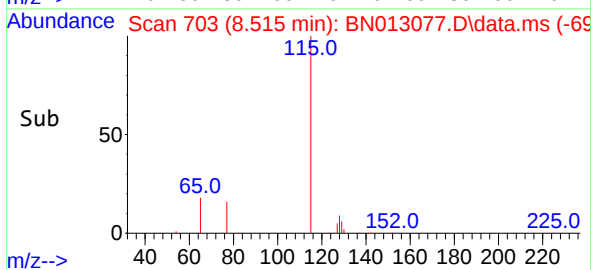
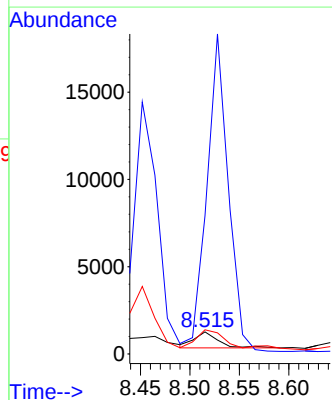
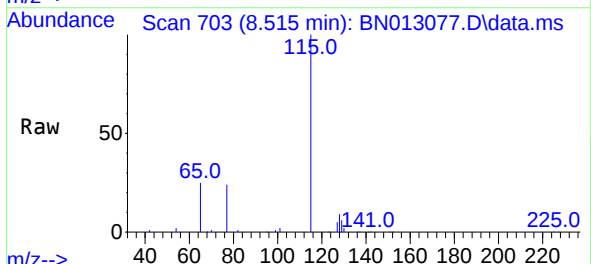
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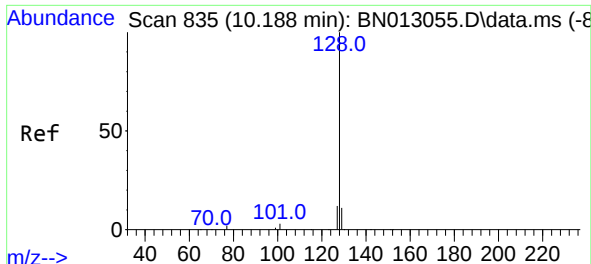
Tgt Ion:	136	Resp:	4484
Ion	Ratio	Lower	Upper
136	100		
137	15.7	10.6	15.8
54	19.6	8.6	12.8#
68	15.7	5.7	8.5#



#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 8.515 min Scan# 703
Delta R.T. -0.013 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:	82	Resp:	1562
Ion	Ratio	Lower	Upper
82	100		
128	628.1	30.6	46.0#
54	109.4	48.3	72.5#

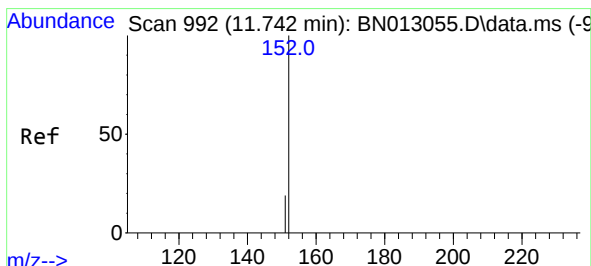
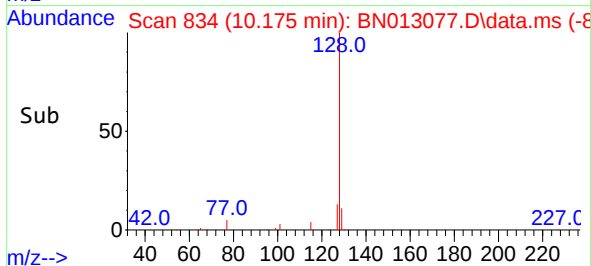
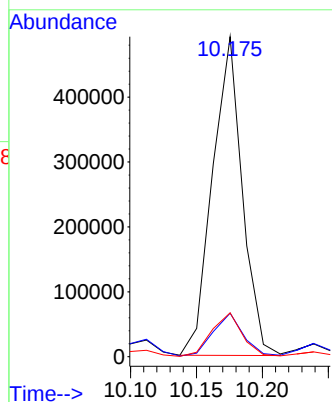
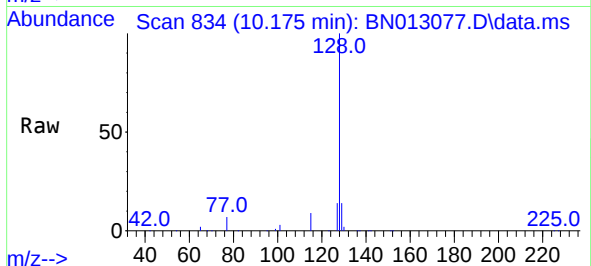




#9
Naphthalene
Concen: 56.38 ng
RT: 10.175 min Scan# 834
Delta R.T. -0.013 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

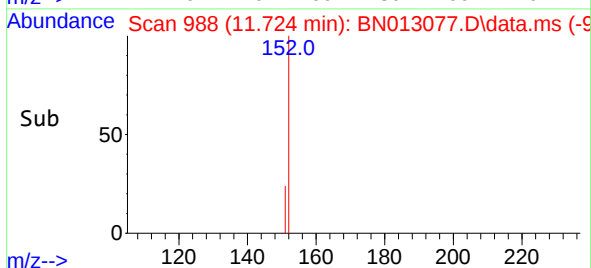
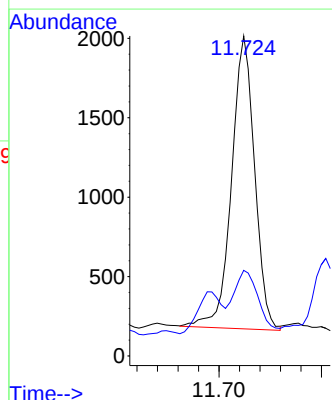
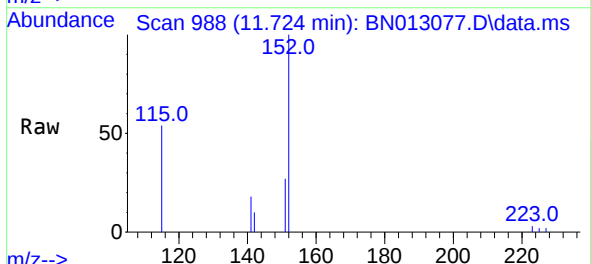
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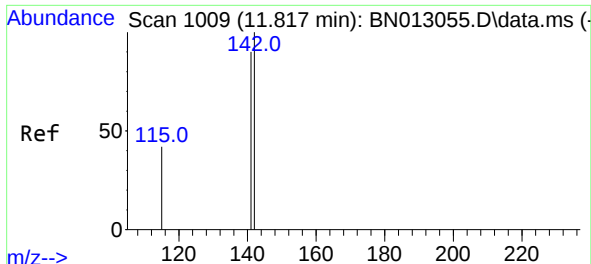
Tgt Ion:128 Resp: 773371
Ion Ratio Lower Upper
128 100
129 13.6 9.8 14.8
127 13.7 12.2 18.4



#11
2-Methylnaphthalene-d10
Concen: 0.36 ng
RT: 11.724 min Scan# 988
Delta R.T. -0.018 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:152 Resp: 2882
Ion Ratio Lower Upper
152 100
151 22.4 16.7 25.1

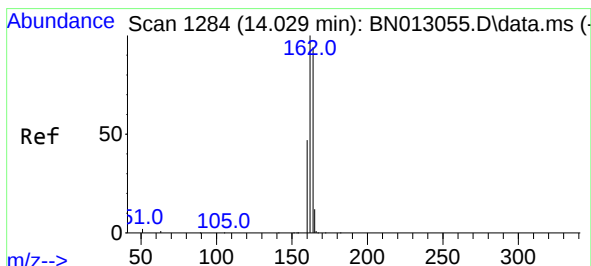
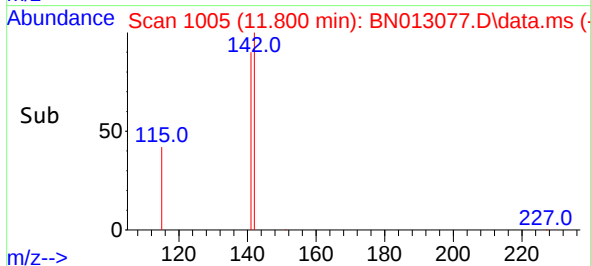
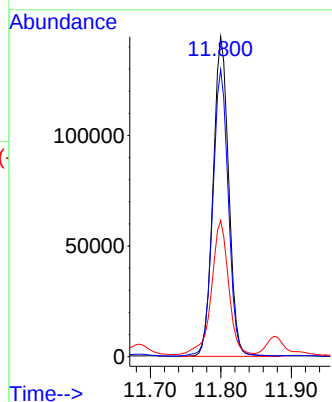
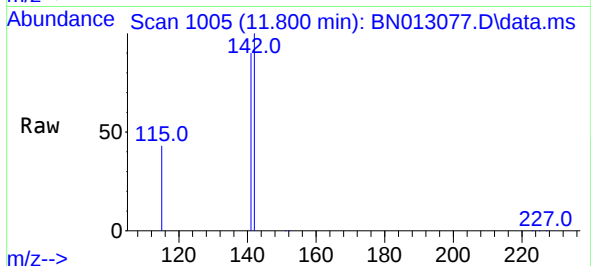




#12
2-Methylnaphthalene
Concen: 23.53 ng
RT: 11.800 min Scan# 1005
Delta R.T. -0.018 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

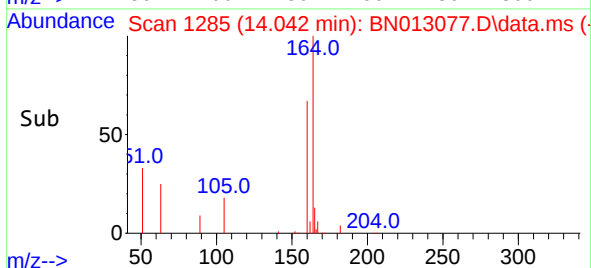
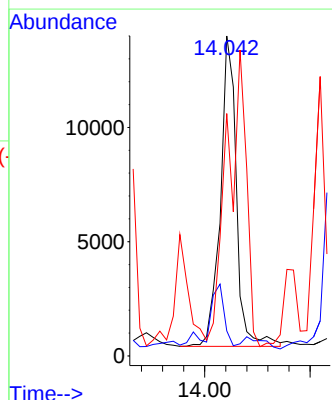
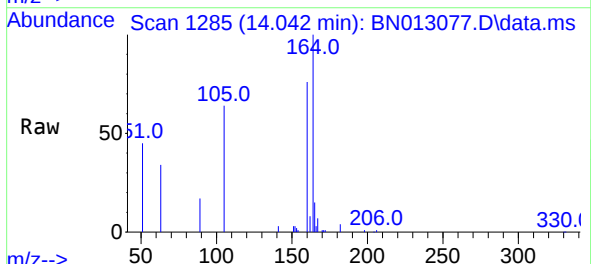
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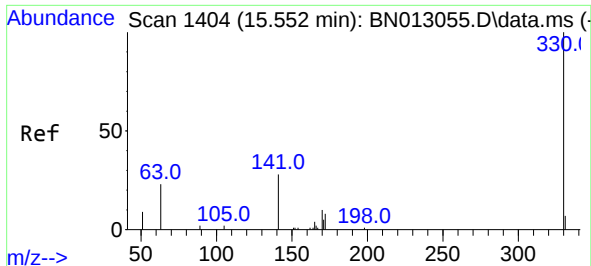
Tgt Ion:142 Resp: 221423
Ion Ratio Lower Upper
142 100
141 89.7 69.4 104.2
115 42.5 35.7 53.5



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.042 min Scan# 1285
Delta R.T. 0.013 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:164 Resp: 28722
Ion Ratio Lower Upper
164 100
162 7.9 80.6 120.8#
160 75.8 39.5 59.3#

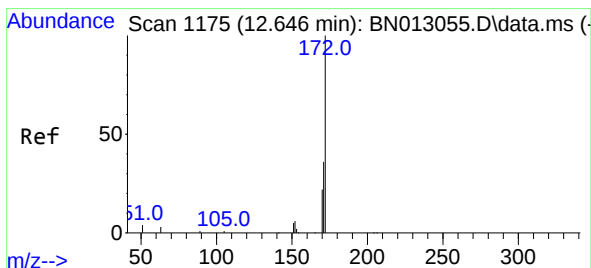
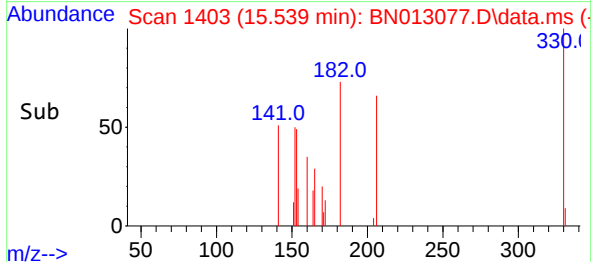
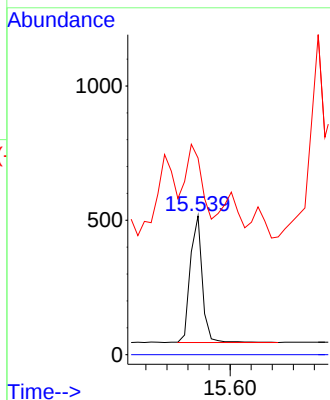
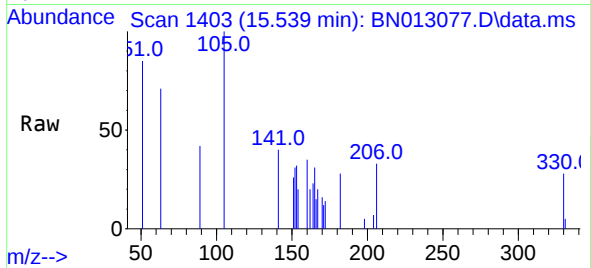




#14
2,4,6-Tribromophenol
Concen: 0.04 ng
RT: 15.539 min Scan# 1403
Delta R.T. -0.013 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

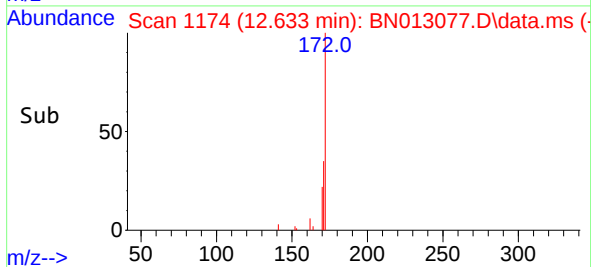
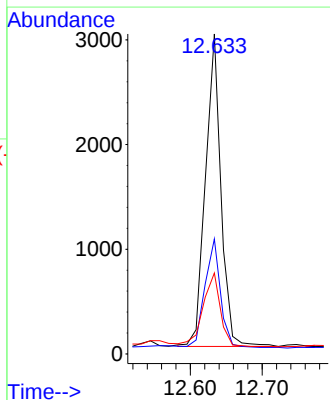
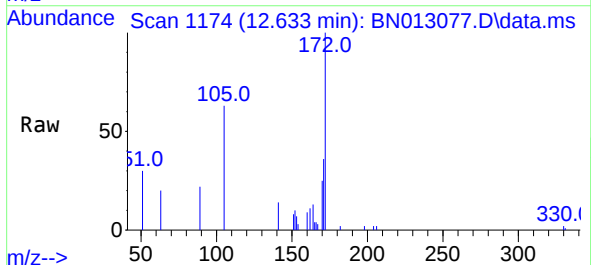
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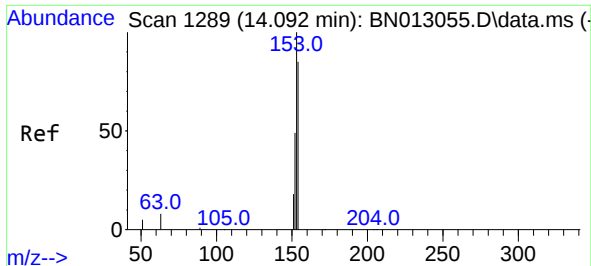
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Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 73.8 34.4 51.6#



#15
2-Fluorobiphenyl
Concen: 0.04 ng
RT: 12.633 min Scan# 1174
Delta R.T. -0.013 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:172 Resp: 4461
Ion Ratio Lower Upper
172 100
171 36.0 28.2 42.4
170 25.3 20.0 30.0

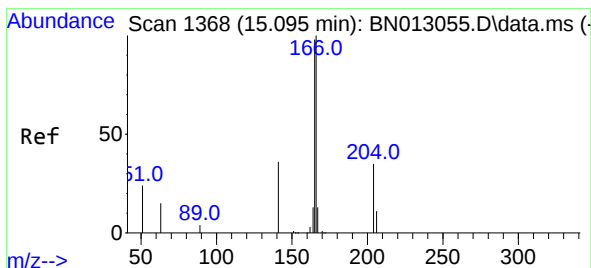
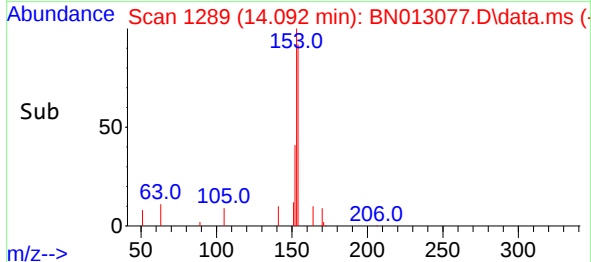
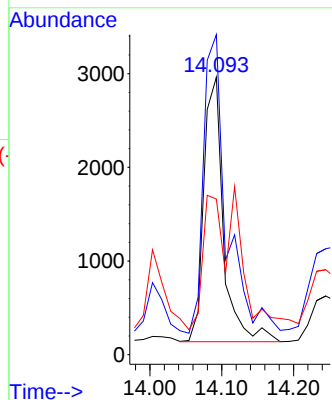
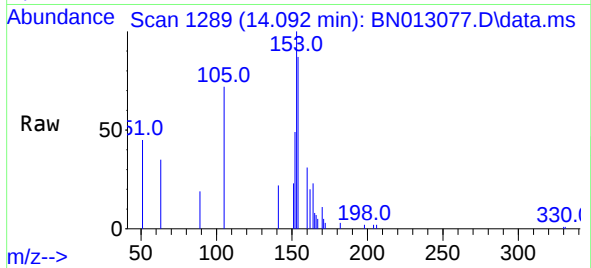




#17
Acenaphthene
Concen: 0.06 ng
RT: 14.092 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

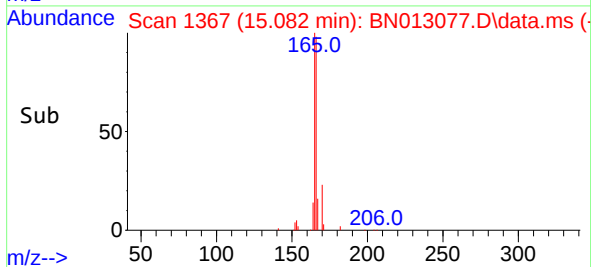
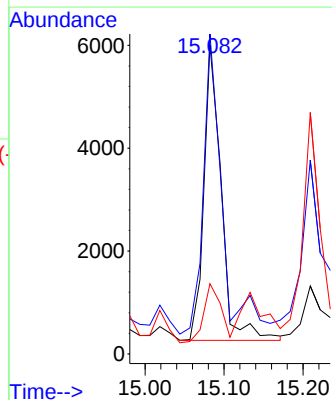
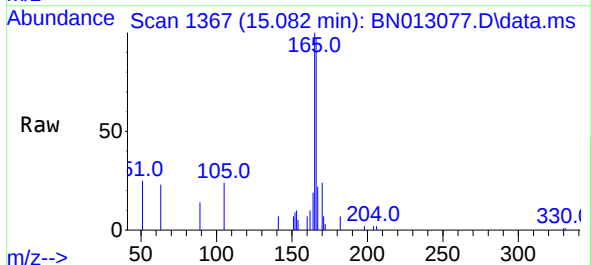
Instrument :
BNA_N
ClientSampled :
BES-12SR

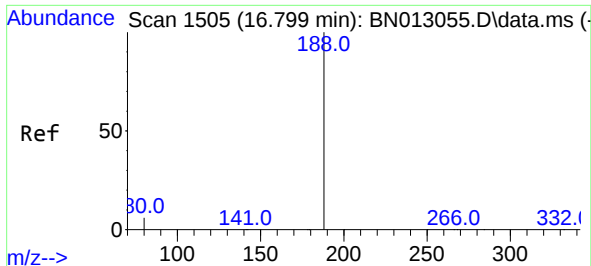
Tgt Ion:154 Resp: 5333
Ion Ratio Lower Upper
154 100
153 133.1 83.6 125.4#
152 0.0 43.9 65.9#



#18
Fluorene
Concen: 0.07 ng
RT: 15.082 min Scan# 1367
Delta R.T. -0.013 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:166 Resp: 8778
Ion Ratio Lower Upper
166 100
165 97.8 78.6 118.0
167 19.9 10.7 16.1#

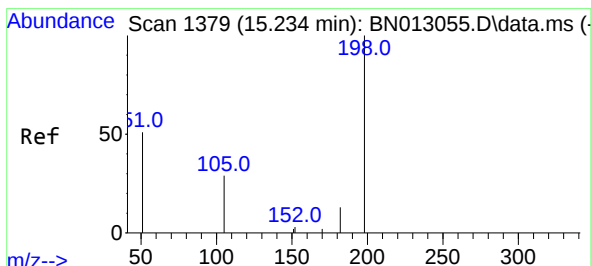
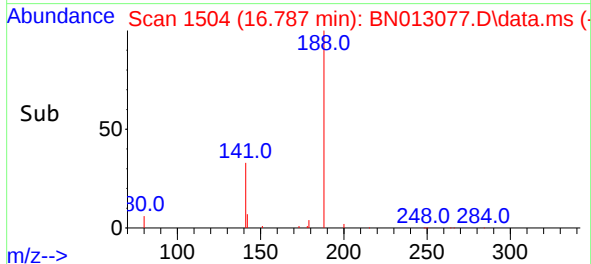
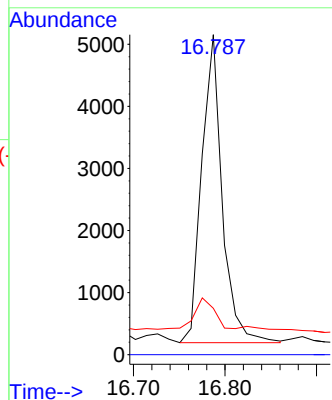
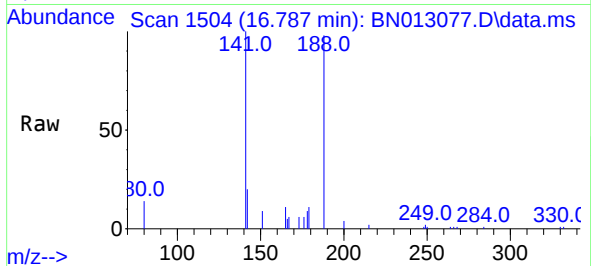




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.787 min Scan# 1504
Delta R.T. -0.012 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

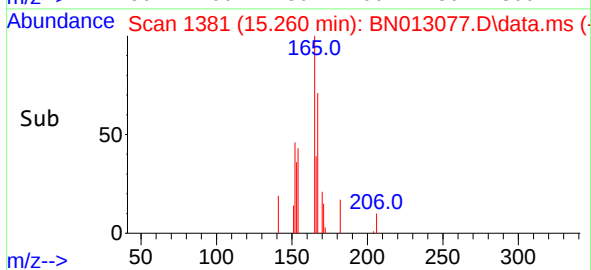
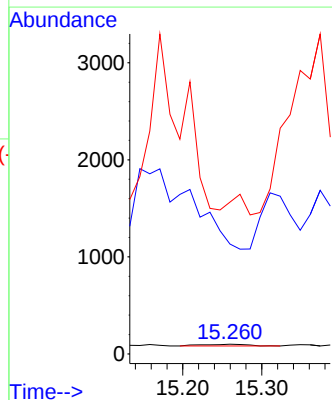
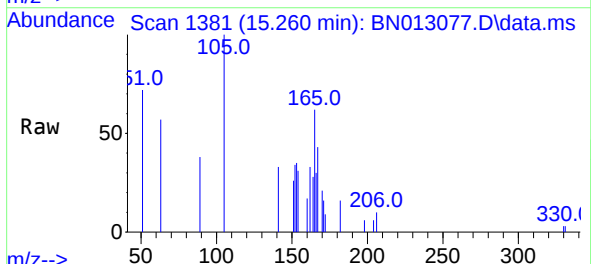
Instrument :
BNA_N
ClientSampleId :
BES-12SR

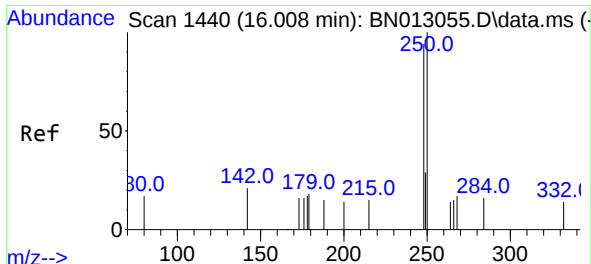
Tgt Ion:188	Resp:	7711
Ion	Ratio	Lower Upper
188	100	
94	0.0	0.0 0.0
80	14.5	5.0 7.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.13 ng
RT: 15.260 min Scan# 1381
Delta R.T. 0.026 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:198	Resp:	65
Ion	Ratio	Lower Upper
198	100	
51	1120.8	43.5 65.3#
105	1549.5	27.2 40.8#

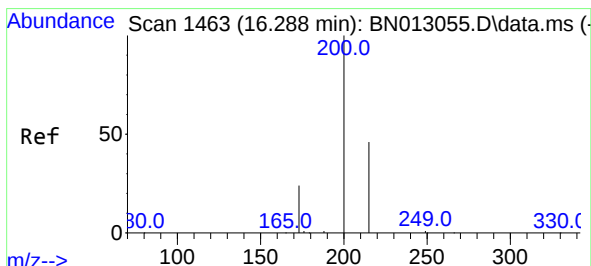
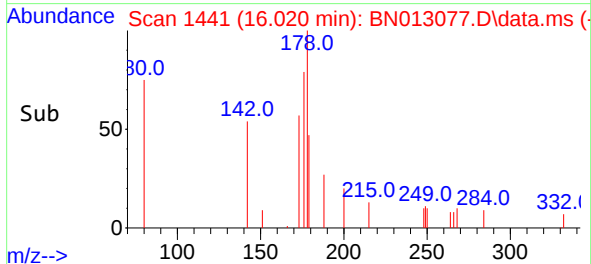
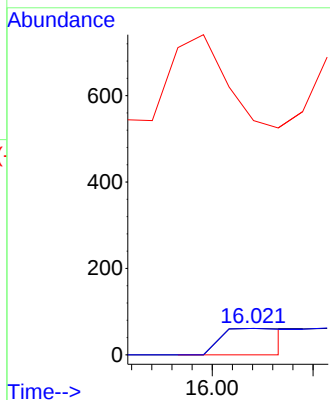
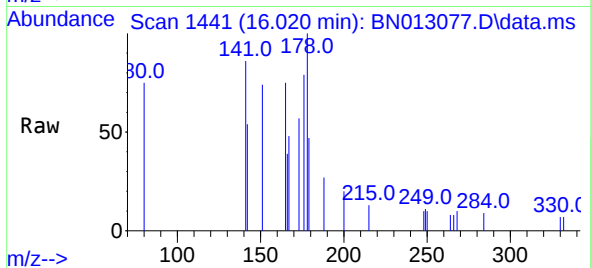




#21
4-Bromophenyl-phenylether
Concen: 0.08 ng
RT: 16.020 min Scan# 1441
Delta R.T. 0.012 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

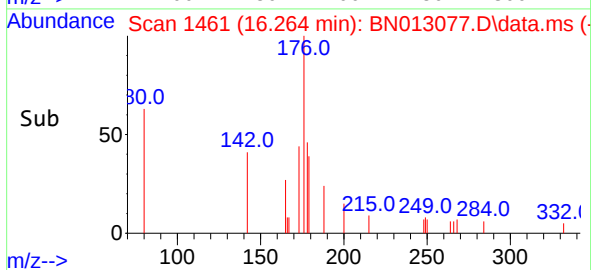
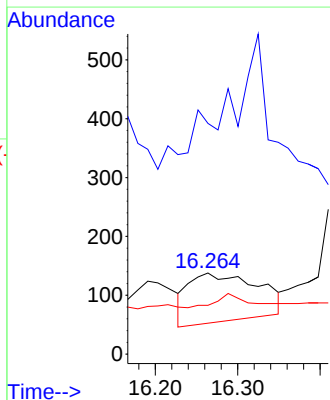
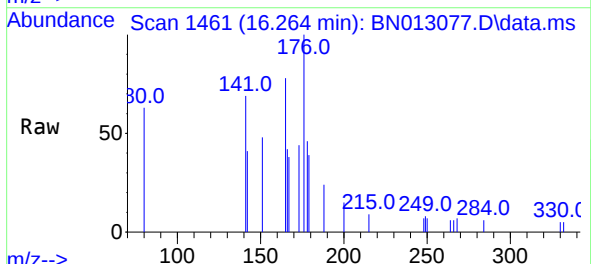
Instrument :
BNA_N
ClientSampleId :
BES-12SR

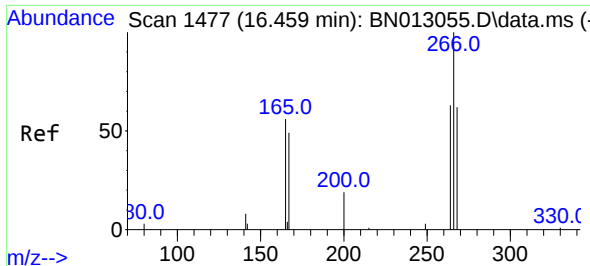
Tgt Ion:248 Resp: 135
Ion Ratio Lower Upper
248 100
250 100.0 77.3 115.9
141 888.5 57.8 86.8#



#23
Atrazine
Concen: 0.11 ng
RT: 16.264 min Scan# 1461
Delta R.T. -0.024 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:200 Resp: 485
Ion Ratio Lower Upper
200 100
173 284.1 22.8 34.2#
215 60.1 38.1 57.1#

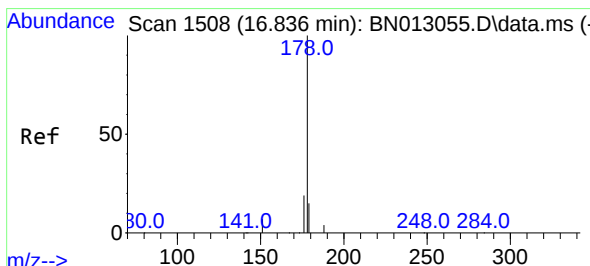
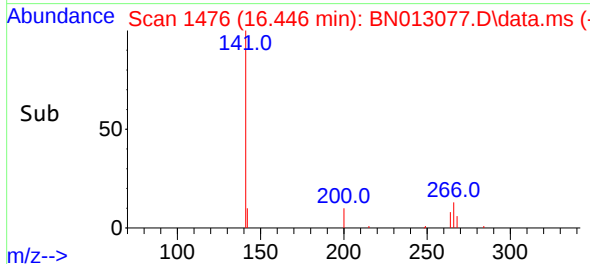
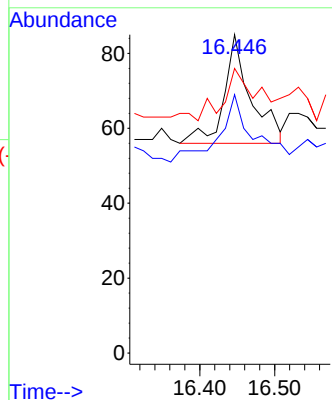
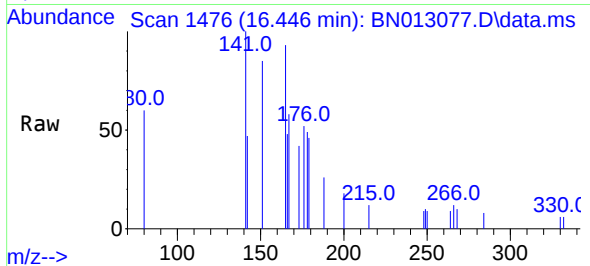




#24
Pentachlorophenol
Concen: 0.03 ng
RT: 16.446 min Scan# 1476
Delta R.T. -0.012 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

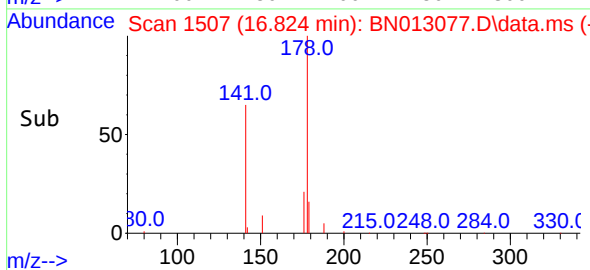
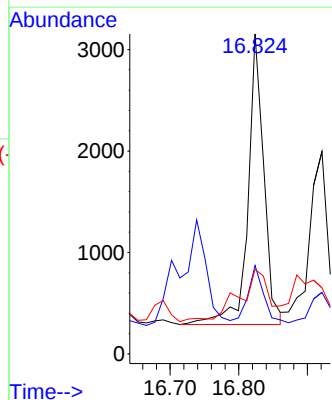
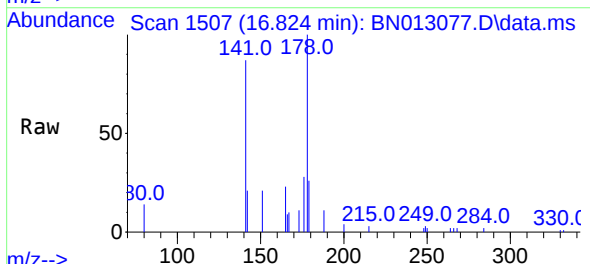
Instrument :
BNA_N
ClientSampleId :
BES-12SR

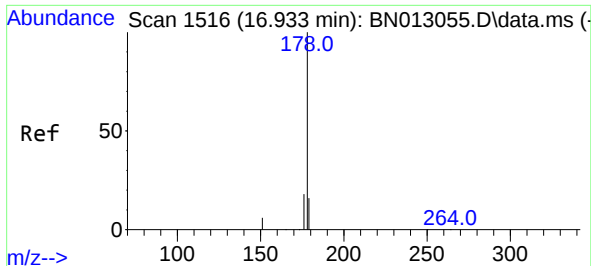
Tgt Ion:266 Resp: 72
Ion Ratio Lower Upper
266 100
264 51.4 50.9 76.3
268 38.9 51.5 77.3#



#25
Phenanthrene
Concen: 0.18 ng
RT: 16.824 min Scan# 1507
Delta R.T. -0.012 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:178 Resp: 4603
Ion Ratio Lower Upper
178 100
176 21.5 14.8 22.2
179 30.0 12.4 18.6#

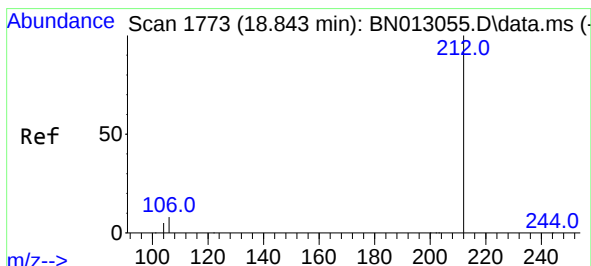
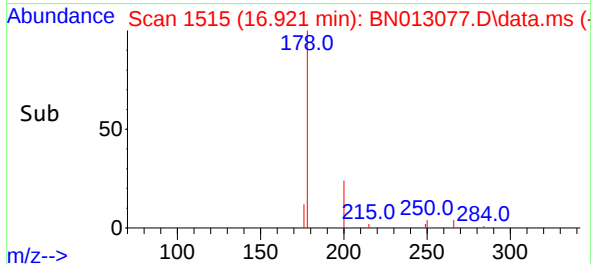
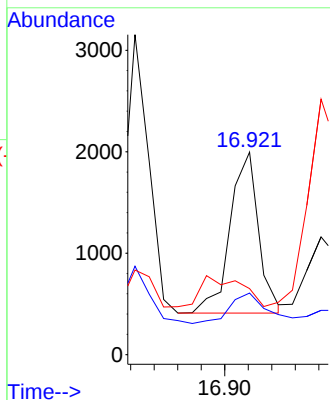
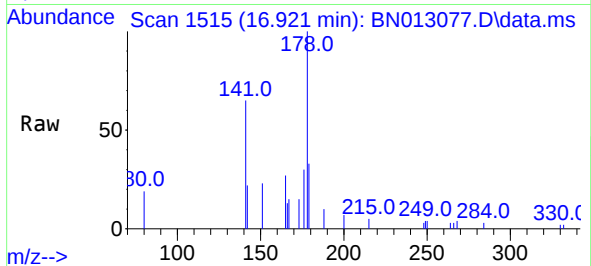




#26
 Anthracene
 Concen: 0.12 ng
 RT: 16.921 min Scan# 1515
 Delta R.T. -0.012 min
 Lab File: BN013077.D
 Acq: 12 Dec 2020 05:56

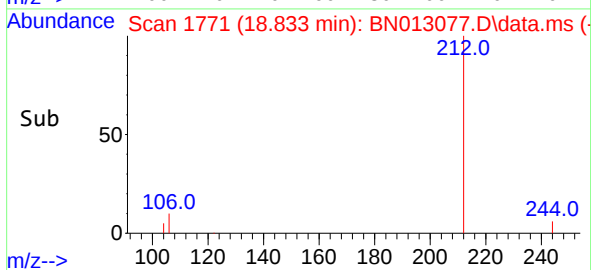
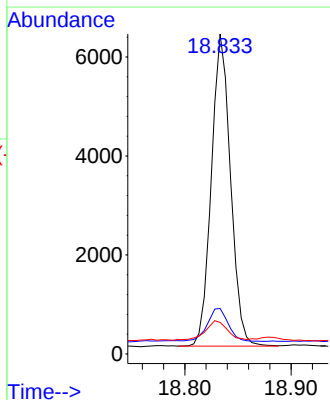
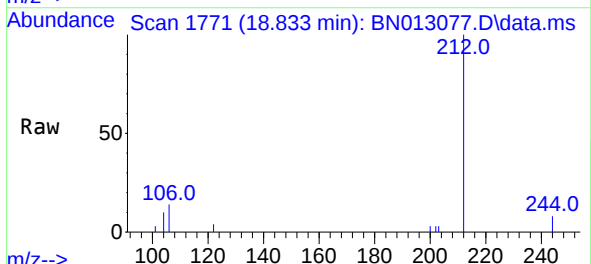
Instrument :
 BNA_N
 ClientSampleId :
 BES-12SR

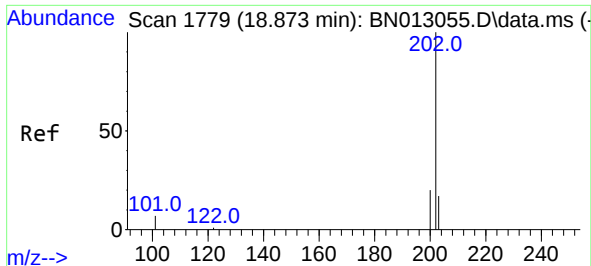
Tgt Ion:178 Resp: 2670
 Ion Ratio Lower Upper
 178 100
 176 24.7 14.8 22.2#
 179 0.0 12.5 18.7#



#27
 Fluoranthene-d10
 Concen: 0.31 ng
 RT: 18.833 min Scan# 1771
 Delta R.T. -0.010 min
 Lab File: BN013077.D
 Acq: 12 Dec 2020 05:56

Tgt Ion:212 Resp: 7902
 Ion Ratio Lower Upper
 212 100
 106 11.6 6.8 10.2#
 104 7.8 4.1 6.1#

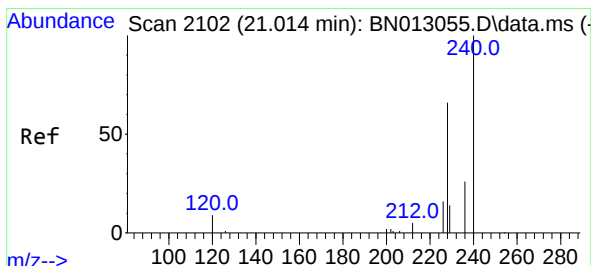
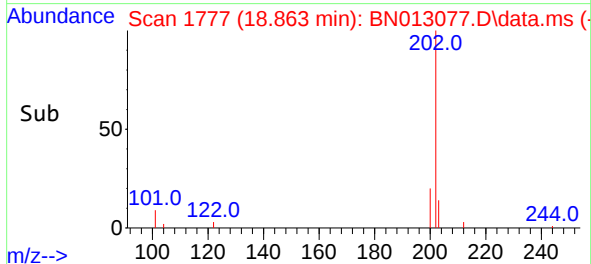
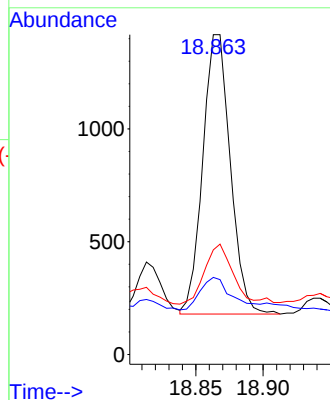
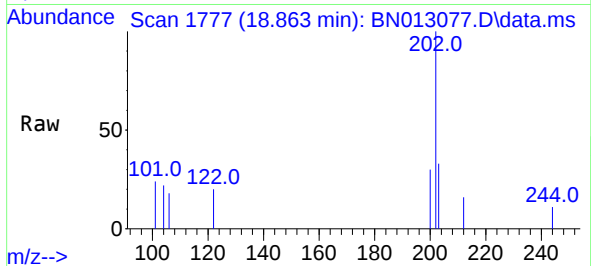




#28
Fluoranthene
Concen: 0.06 ng
RT: 18.863 min Scan# 1777
Delta R.T. -0.010 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

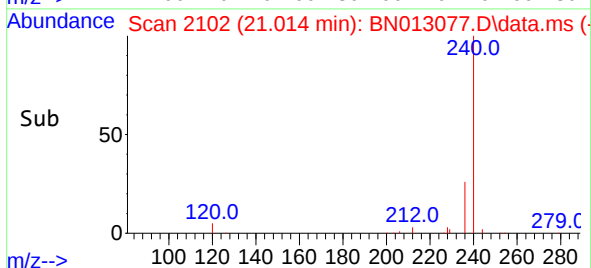
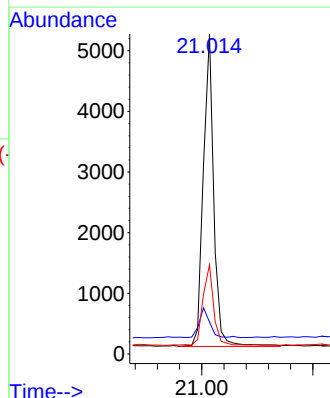
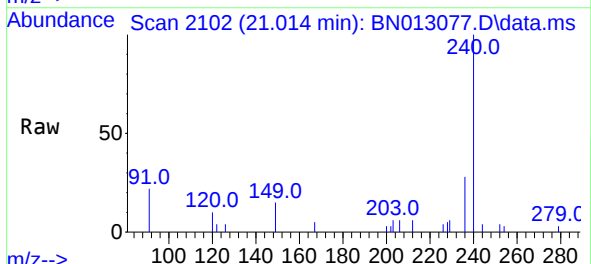
Instrument :
BNA_N
ClientSampleId :
BES-12SR

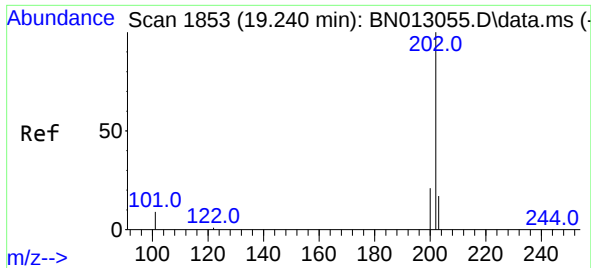
Tgt Ion:202 Resp: 1766
Ion Ratio Lower Upper
202 100
101 13.2 5.8 8.6#
203 22.3 13.7 20.5#



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.014 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:240 Resp: 6755
Ion Ratio Lower Upper
240 100
120 10.0 5.3 7.9#
236 27.8 21.8 32.8

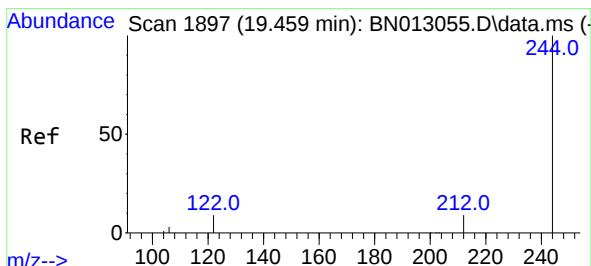
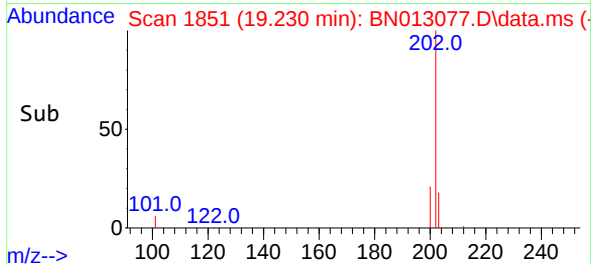
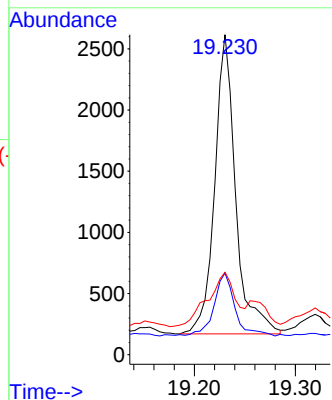
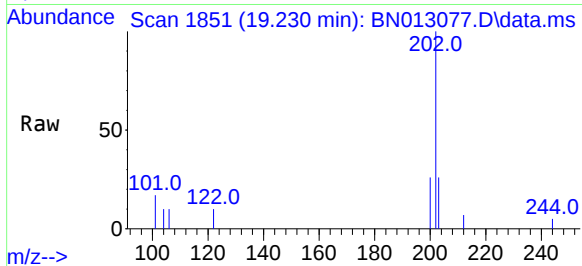




#30
Pyrene
Concen: 0.14 ng
RT: 19.230 min Scan# 1851
Delta R.T. -0.010 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

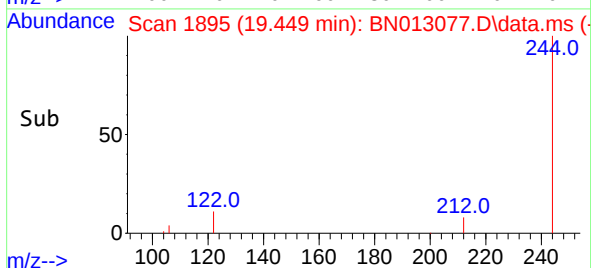
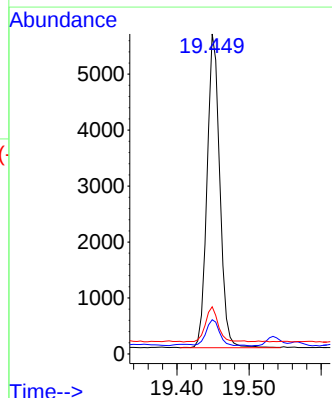
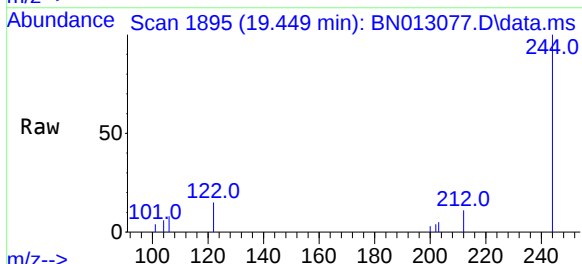
Instrument :
BNA_N
ClientSampleId :
BES-12SR

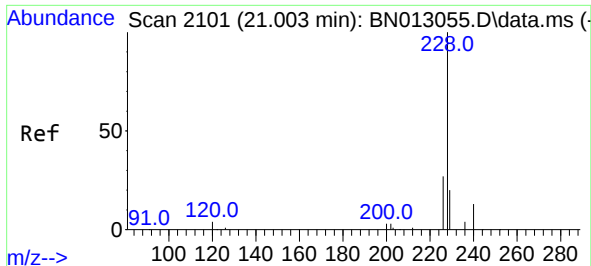
Tgt Ion:202	Resp:	3527
Ion Ratio	Lower	Upper
202	100	
200	20.8	16.6 24.8
203	24.2	13.8 20.8#



#31
Terphenyl-d14
Concen: 0.41 ng
RT: 19.449 min Scan# 1895
Delta R.T. -0.010 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:244	Resp:	6870
Ion Ratio	Lower	Upper
244	100	
212	10.7	7.3 10.9
122	14.7	7.3 10.9#

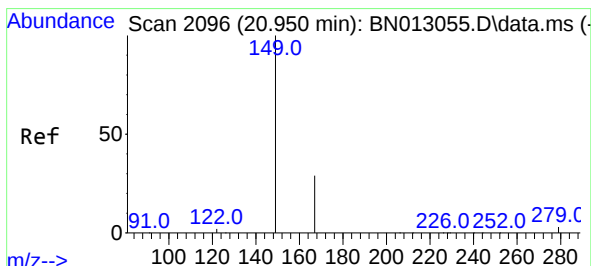
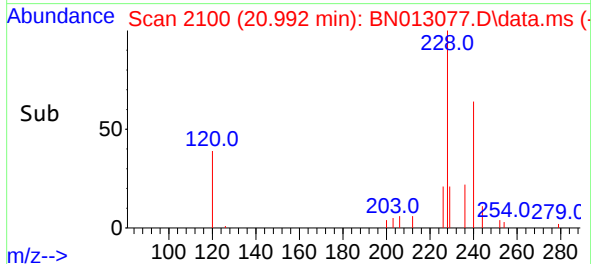
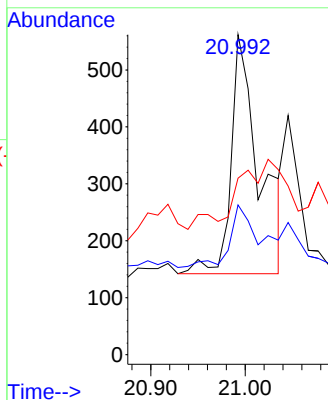
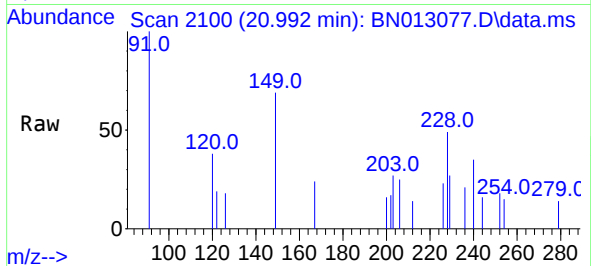




#32
Benzo(a)anthracene
Concen: 0.04 ng
RT: 20.992 min Scan# 2100
Delta R.T. -0.011 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

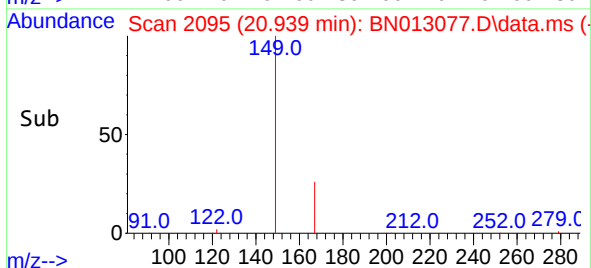
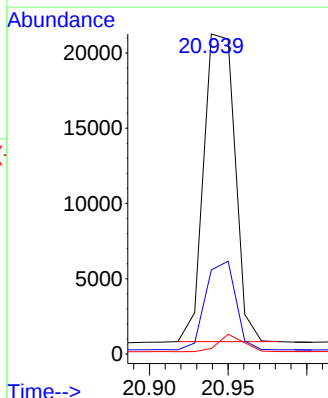
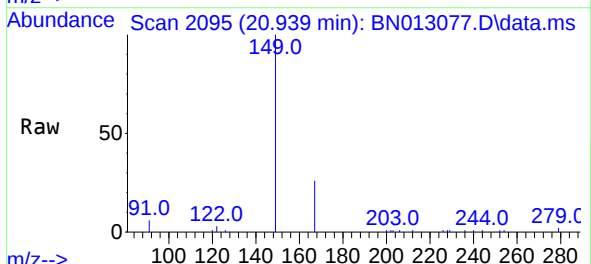
Instrument :
BNA_N
ClientSampleId :
BES-12SR

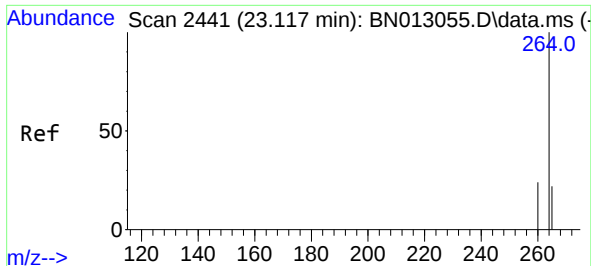
Tgt Ion:228	Resp:	872
Ion Ratio	Lower	Upper
228	100	
226	46.8	22.3 33.5#
229	55.2	15.7 23.5#



#34
Bis(2-ethylhexyl)phthalate
Concen: 1.87 ng
RT: 20.939 min Scan# 2095
Delta R.T. -0.011 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:149	Resp:	28280
Ion Ratio	Lower	Upper
149	100	
167	27.6	23.2 34.8
279	4.5	3.9 5.9

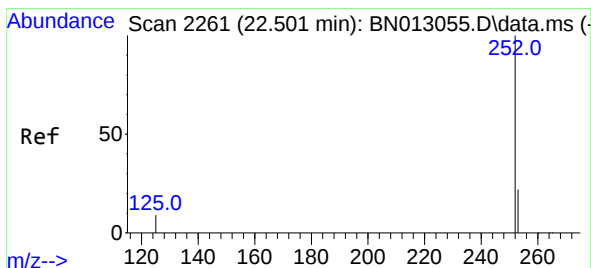
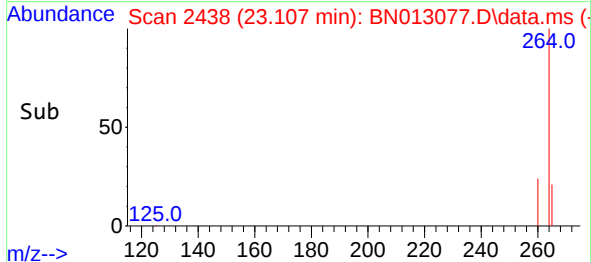
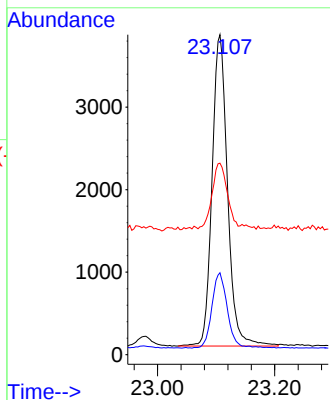
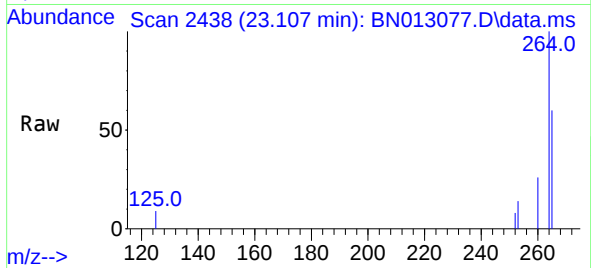




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.107 min Scan# 2438
Delta R.T. -0.010 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

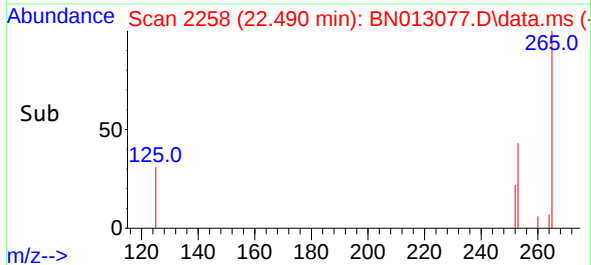
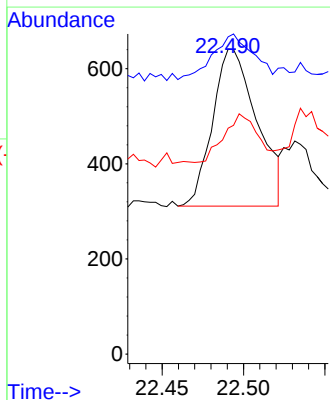
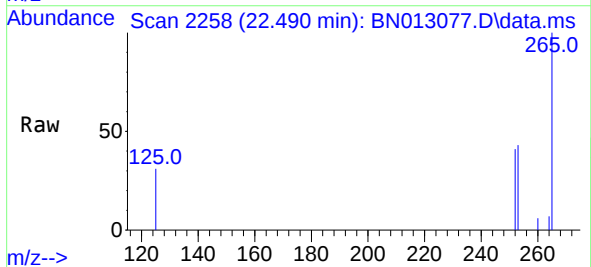
Instrument :
BNA_N
ClientSampled :
BES-12SR

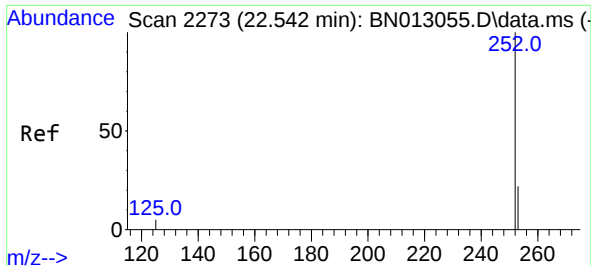
Tgt Ion:264 Resp: 6896
Ion Ratio Lower Upper
264 100
260 25.6 19.8 29.6
265 59.9 51.4 77.0



#37
Benzo(b)fluoranthene
Concen: 0.02 ng
RT: 22.490 min Scan# 2258
Delta R.T. -0.010 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:252 Resp: 628
Ion Ratio Lower Upper
252 100
253 104.1 20.1 30.1#
125 74.1 7.2 10.8#

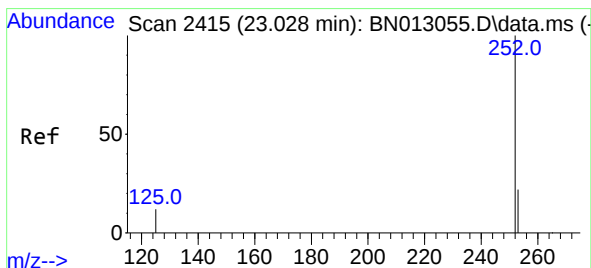
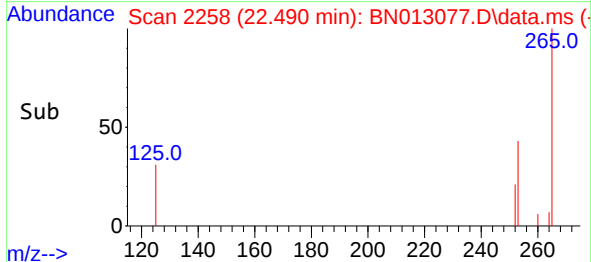
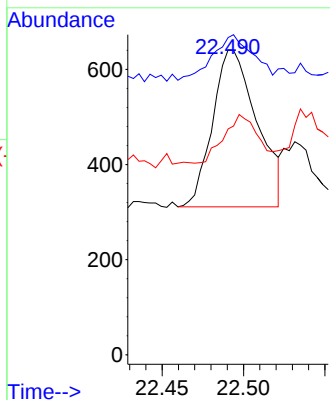
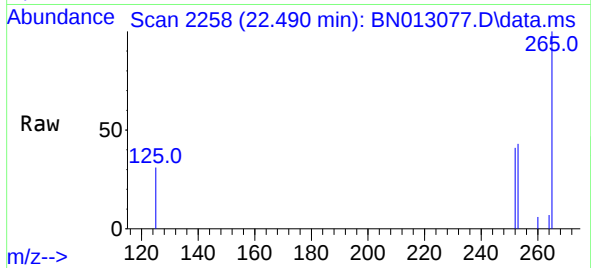




#38
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 22.490 min Scan# 2258
Delta R.T. -0.051 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

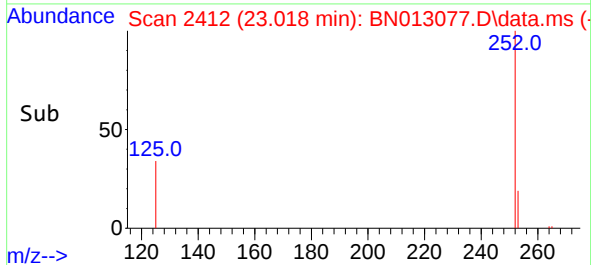
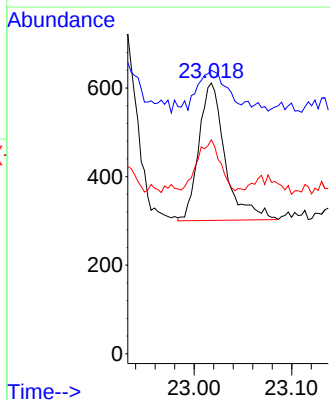
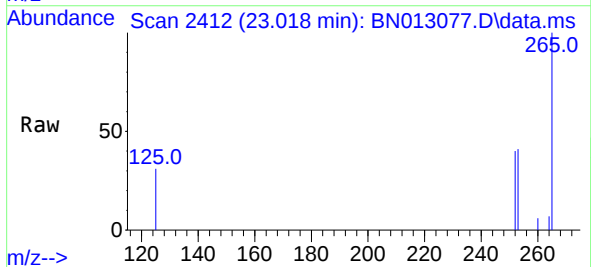
Instrument :
BNA_N
ClientSampleId :
BES-12SR

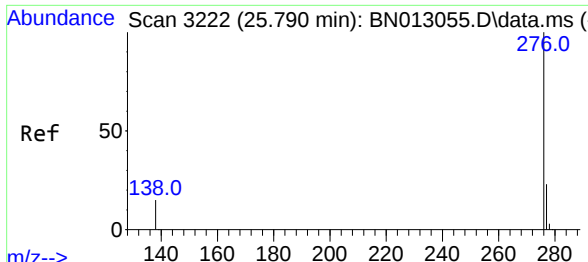
Tgt Ion:252 Resp: 628
Ion Ratio Lower Upper
252 100
253 104.1 19.8 29.8#
125 74.1 7.1 10.7#



#39
Benzo(a)pyrene
Concen: 0.02 ng
RT: 23.018 min Scan# 2412
Delta R.T. -0.010 min
Lab File: BN013077.D
Acq: 12 Dec 2020 05:56

Tgt Ion:252 Resp: 583
Ion Ratio Lower Upper
252 100
253 104.7 21.3 31.9#
125 79.1 8.3 12.5#





#41
 Benzo(g,h,i)perylene
 Concen: 0.03 ng
 RT: 25.780 min Scan# 3219
 Delta R.T. -0.010 min
 Lab File: BN013077.D
 Acq: 12 Dec 2020 05:56

Instrument :
 BNA_N
 ClientSampleId :
 BES-12SR

Tgt Ion:	276	Resp:	737
Ion	Ratio	Lower	Upper
276	100		
277	47.0	19.8	29.8#
138	42.6	11.7	17.5#

