

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121620\
 Data File : BN013177.D
 Acq On : 16 Dec 2020 22:08
 Operator : CG/JU
 Sample : L4960-05
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BES-12SRRE

Quant Time: Dec 17 03:08:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN121620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 16:49:20 2020
 Response via : Initial Calibration

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

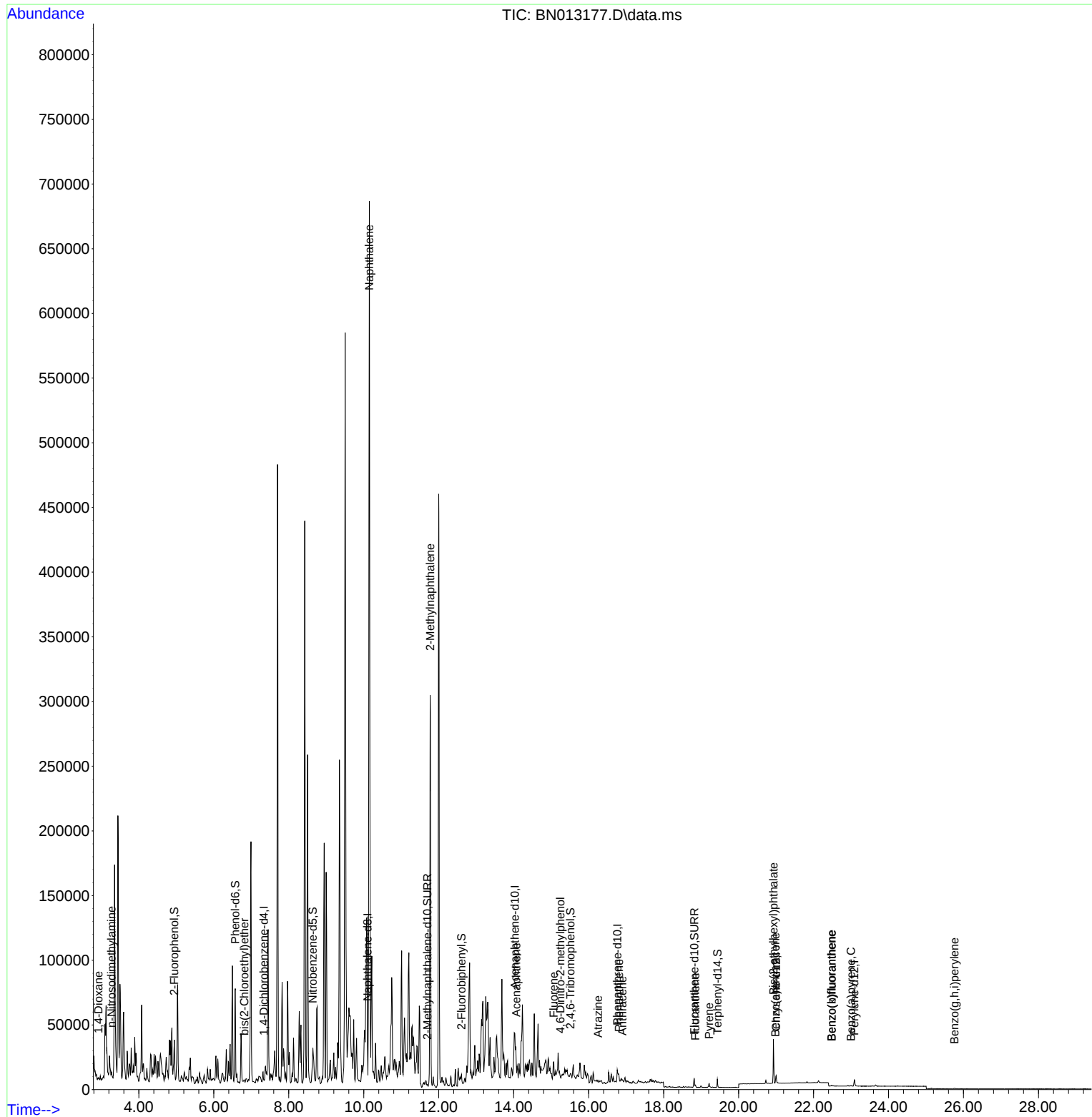
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.338	152	998	0.40	ng	-0.02
7) Naphthalene-d8	10.099	136	4176	0.40	ng	#-0.01
13) Acenaphthene-d10	14.029	164	26708	0.40	ng	# 0.01
19) Phenanthrene-d10	16.763	188	6961	0.40	ng	#-0.01
29) Chrysene-d12	21.003	240	6101	0.40	ng	# 0.00
36) Perylene-d12	23.089	264	6052	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	4.946	112	1181	0.29	ng	-0.02
5) Phenol-d6	6.573	99	1159	0.28	ng	0.02
8) Nitrobenzene-d5	8.642	82	1549	0.36	ng	0.13
11) 2-Methylnaphthalene-d10	11.697	152	2591	0.35	ng	-0.03
14) 2,4,6-Tribromophenol	15.513	330	672	0.04	ng	-0.03
15) 2-Fluorobiphenyl	12.608	172	4070	0.04	ng	-0.03
27) Fluoranthene-d10	18.818	212	7095	0.31	ng	0.00
31) Terphenyl-d14	19.434	244	6209	0.40	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.925	88	103	0.06	ng	# 1
3) n-Nitrosodimethylamine	3.271	42	3404	1.18	ng	# 20
6) bis(2-Chloroethyl)ether	6.814	93	471	0.18	ng	# 10
9) Naphthalene	10.150	128	717440	56.05	ng	96
12) 2-Methylnaphthalene	11.773	142	202350	23.31	ng	97
17) Acenaphthene	14.067	154	4833	0.05	ng	# 64
18) Fluorene	15.069	166	8144	0.07	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.247	198	27	0.20	ng	# 1
23) Atrazine	16.252	200	130	0.03	ng	# 1
25) Phenanthrene	16.812	178	4135	0.18	ng	# 80
26) Anthracene	16.897	178	2338	0.12	ng	# 76
28) Fluoranthene	18.848	202	1596	0.06	ng	# 84
30) Pyrene	19.215	202	3184	0.13	ng	# 93
32) Benzo(a)anthracene	20.982	228	634	0.03	ng	# 47
34) Bis(2-ethylhexyl)phtha...	20.929	149	26303	2.10	ng	97
37) Benzo(b)fluoranthene	22.480	252	594	0.03	ng	# 1
38) Benzo(k)fluoranthene	22.480	252	594	0.02	ng	# 1
39) Benzo(a)pyrene	23.000	252	582	0.03	ng	# 1
41) Benzo(g,h,i)perylene	25.759	276	724	0.03	ng	# 49

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

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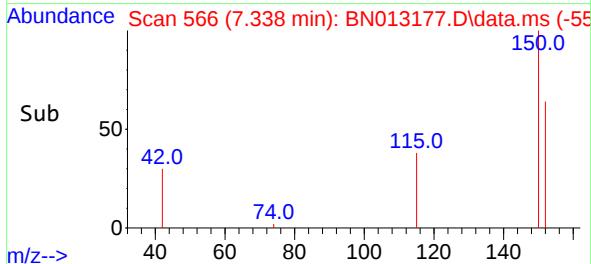
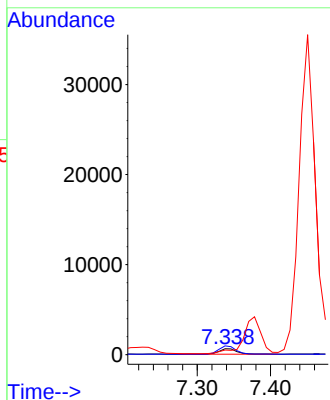
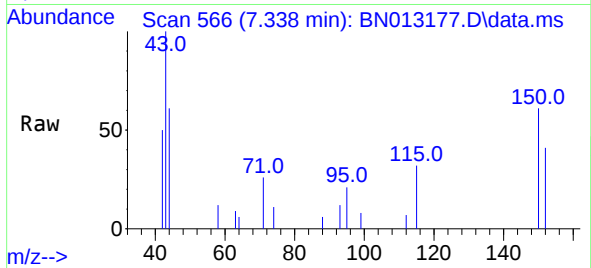




#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.338 min Scan# 566
Delta R.T. -0.016 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

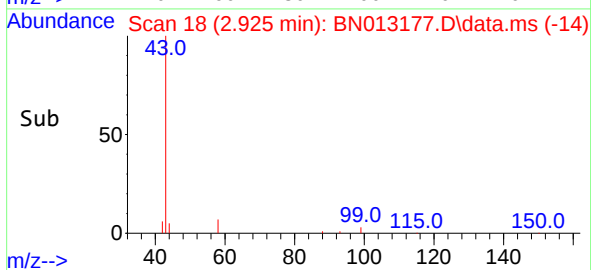
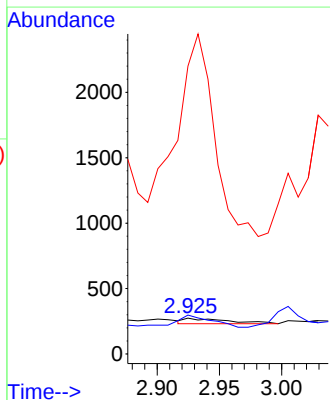
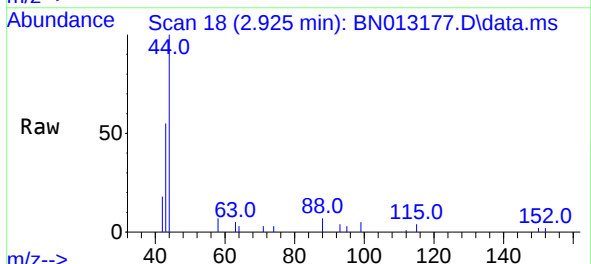
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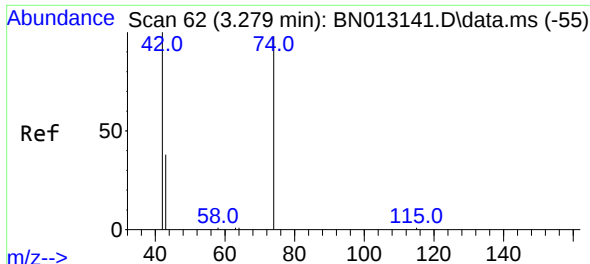
Tgt Ion:152 Resp: 998
Ion Ratio Lower Upper
152 100
150 149.2 116.6 174.8
115 78.3 52.9 79.3



#2
1,4-Dioxane
Concen: 0.06 ng
RT: 2.925 min Scan# 18
Delta R.T. -0.016 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion: 88 Resp: 103
Ion Ratio Lower Upper
88 100
58 166.0 59.4 89.2#
43 2974.8 32.3 48.5#

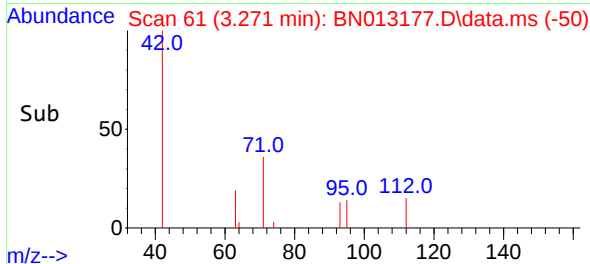
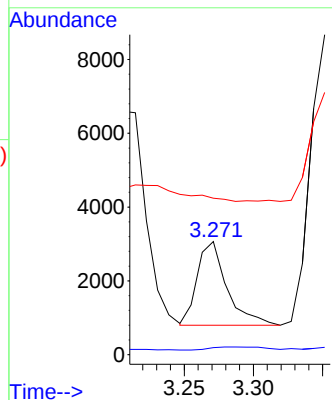
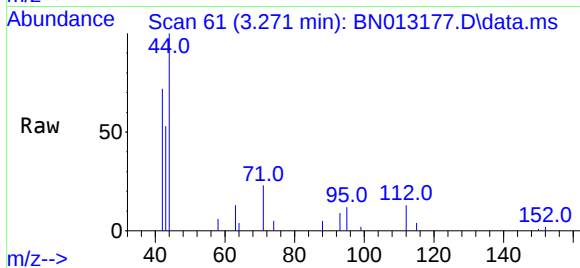




#3
n-Nitrosodimethylamine
Concen: 1.18 ng
RT: 3.271 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

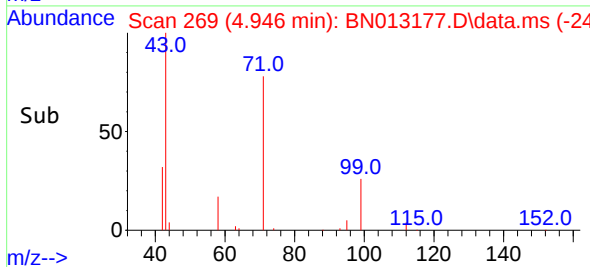
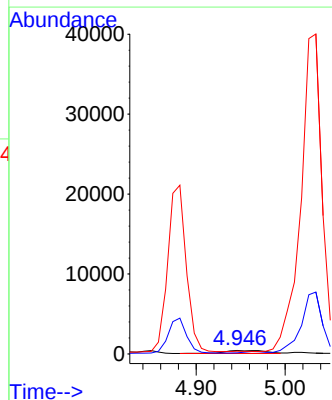
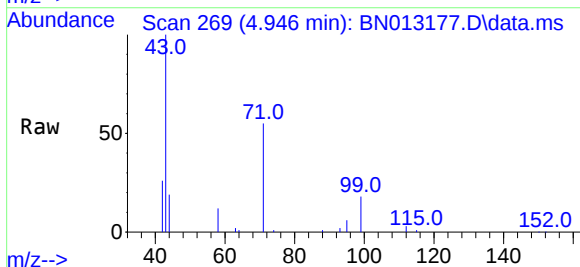
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

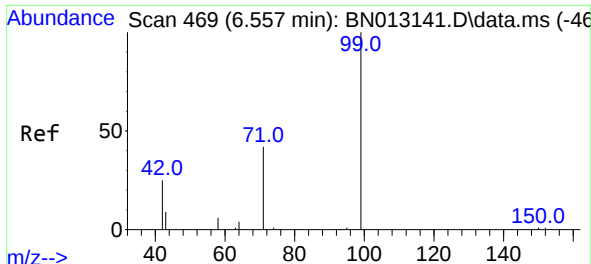
Tgt Ion: 42 Resp: 3404
Ion Ratio Lower Upper
42 100
74 6.9 64.4 96.6#
44 0.0 2.8 4.2#



#4
2-Fluorophenol
Concen: 0.29 ng
RT: 4.946 min Scan# 269
Delta R.T. -0.024 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion: 112 Resp: 1181
Ion Ratio Lower Upper
112 100
64 33.5 49.5 74.3#
63 0.0 32.0 48.0#

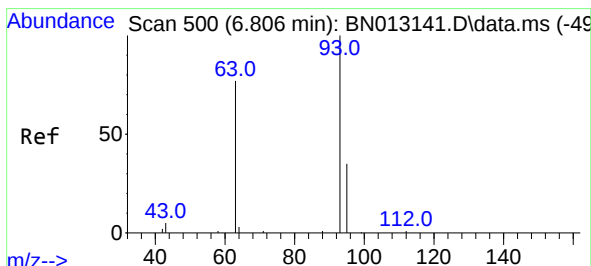
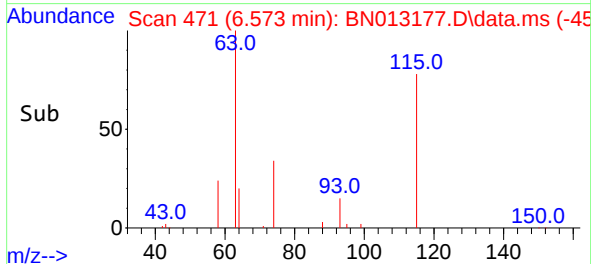
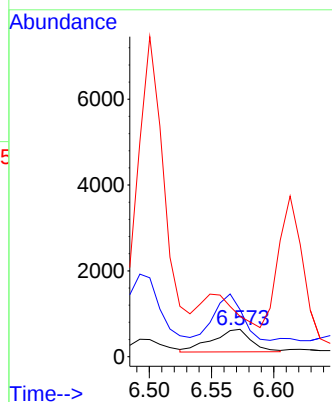
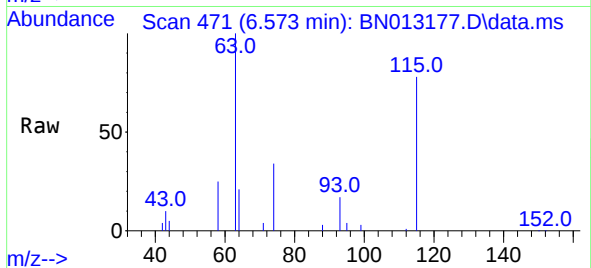




#5
Phenol-d6
Concen: 0.28 ng
RT: 6.573 min Scan# 471
Delta R.T. 0.016 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

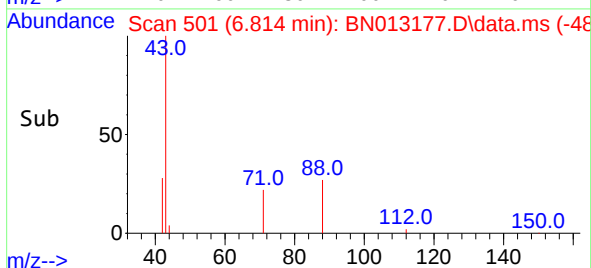
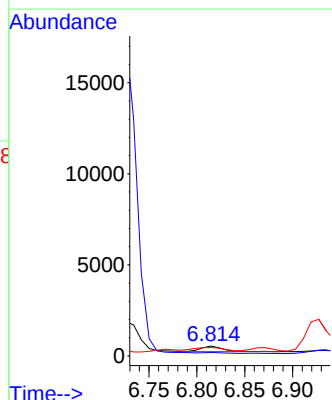
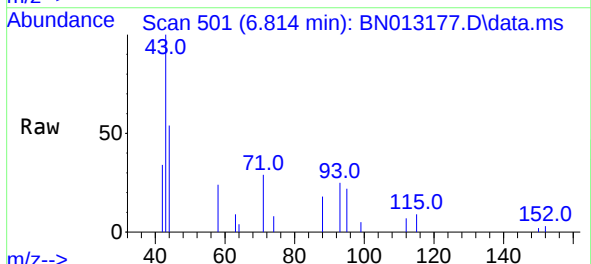
Instrument :
BNA_N
ClientSampleId :
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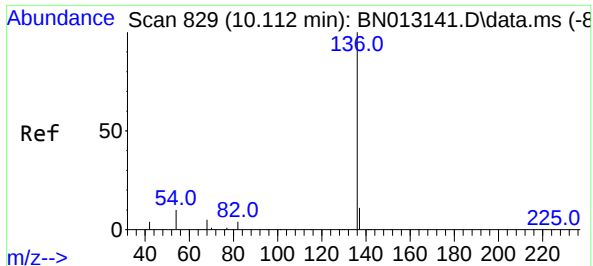
Tgt Ion: 99 Resp: 1159
Ion Ratio Lower Upper
99 100
42 145.3 22.4 33.6#
71 0.0 37.8 56.6#



#6
bis(2-Chloroethyl)ether
Concen: 0.18 ng
RT: 6.814 min Scan# 501
Delta R.T. 0.008 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion: 93 Resp: 471
Ion Ratio Lower Upper
93 100
63 0.0 63.1 94.7#
95 83.9 26.1 39.1#

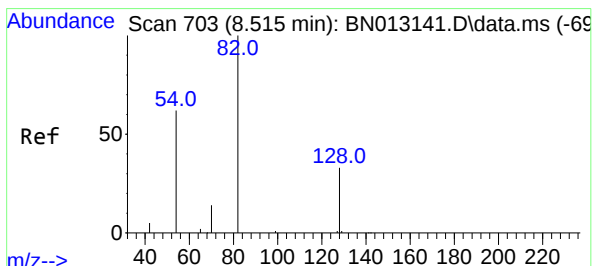
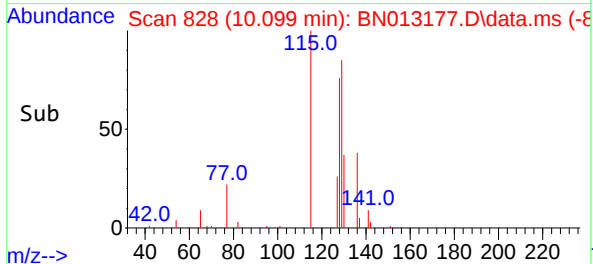
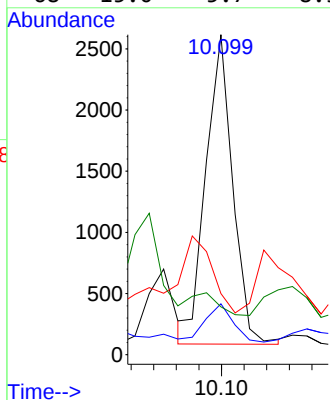
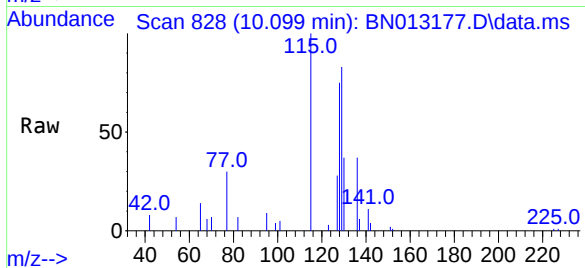




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.099 min Scan# 828
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

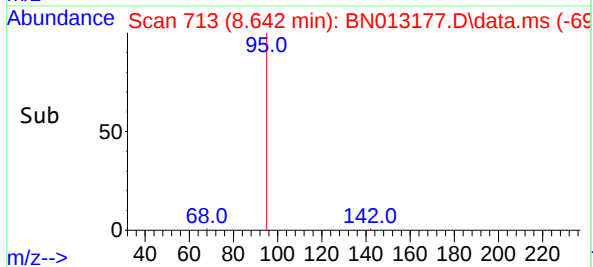
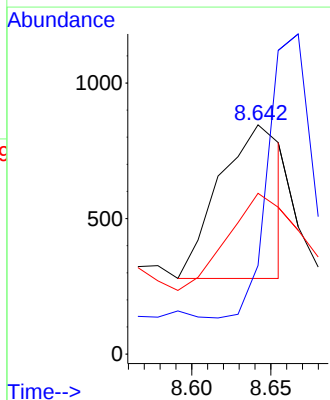
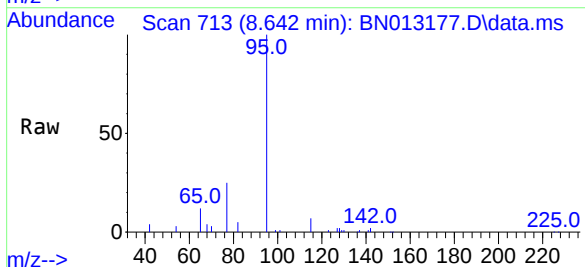
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ClientSampleId :
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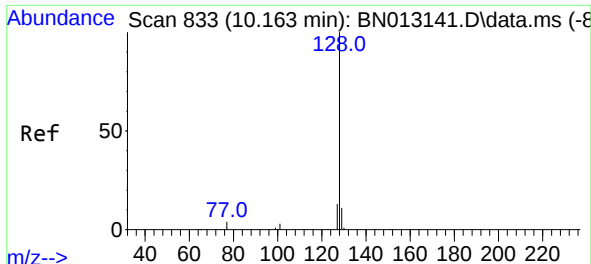
Tgt Ion:	136	Resp:	4176
Ion	Ratio	Lower	Upper
136	100		
137	15.9	10.6	15.8#
54	19.1	8.6	12.8#
68	15.0	5.7	8.5#



#8
Nitrobenzene-d5
Concen: 0.36 ng
RT: 8.642 min Scan# 713
Delta R.T. 0.127 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:	82	Resp:	1549
Ion	Ratio	Lower	Upper
82	100		
128	38.7	30.6	46.0
54	70.1	48.3	72.5

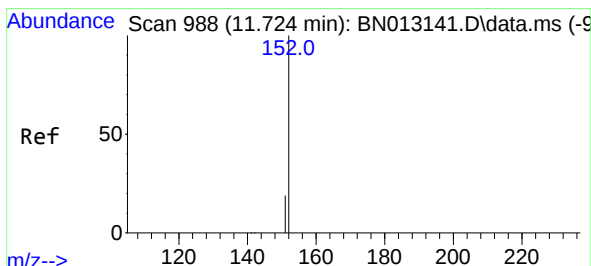
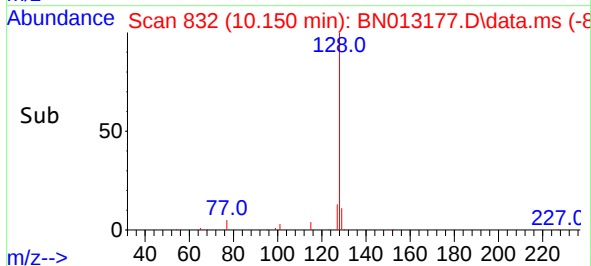
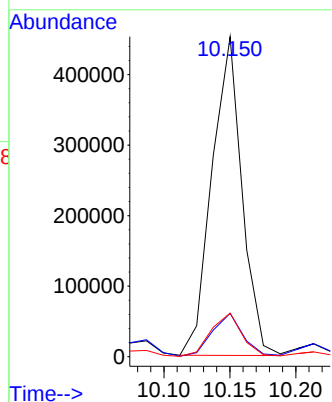
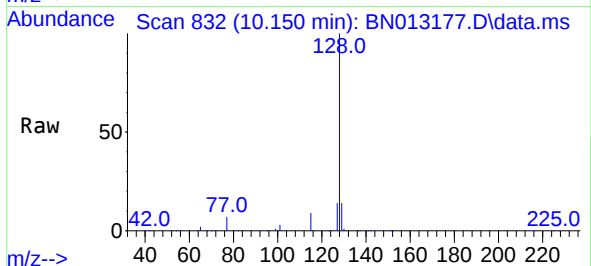




#9
Naphthalene
Concen: 56.05 ng
RT: 10.150 min Scan# 832
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

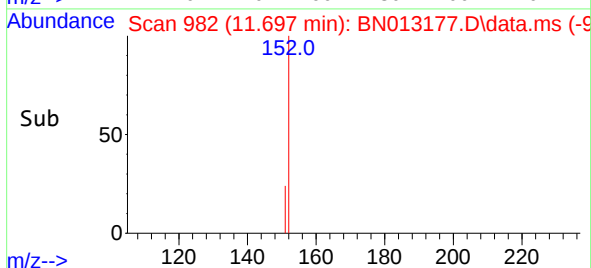
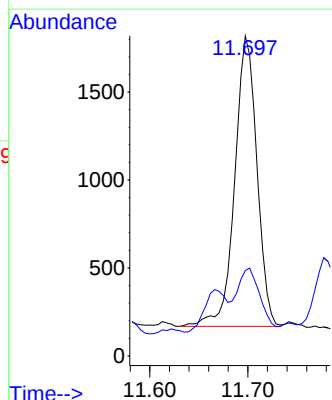
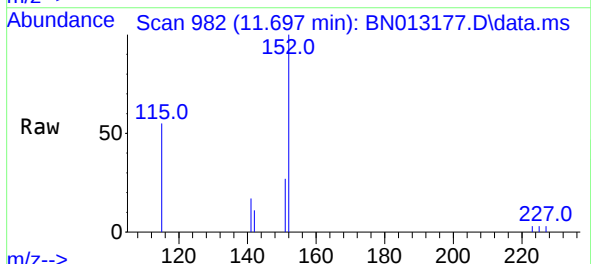
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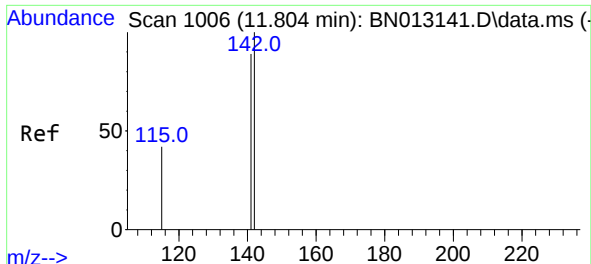
Tgt Ion:128 Resp: 717440
Ion Ratio Lower Upper
128 100
129 13.5 9.8 14.8
127 13.6 12.2 18.4



#11
2-Methylnaphthalene-d10
Concen: 0.35 ng
RT: 11.697 min Scan# 982
Delta R.T. -0.027 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:152 Resp: 2591
Ion Ratio Lower Upper
152 100
151 22.7 16.7 25.1

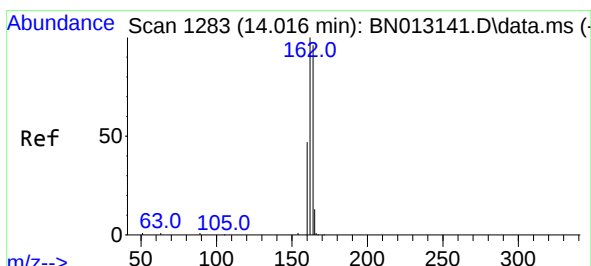
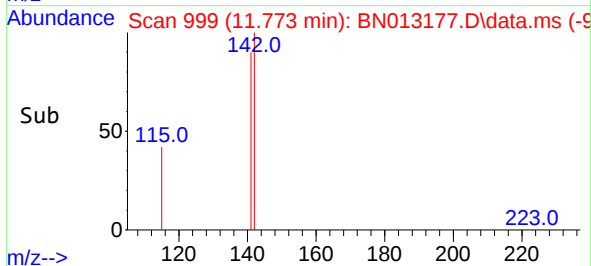
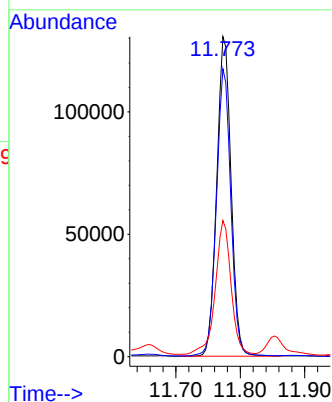
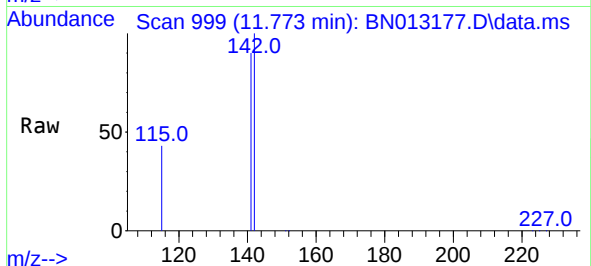




#12
2-Methylnaphthalene
Concen: 23.31 ng
RT: 11.773 min Scan# 999
Delta R.T. -0.031 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

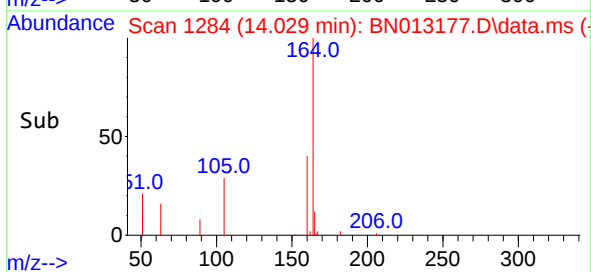
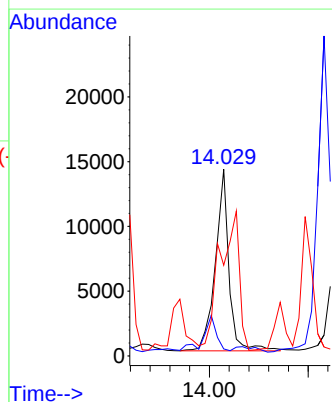
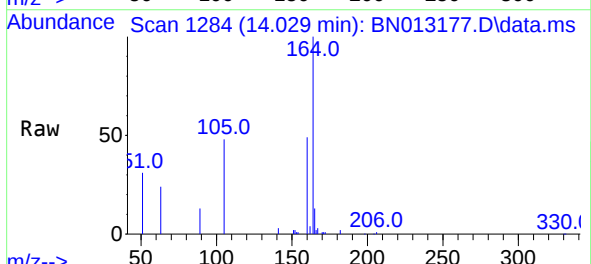
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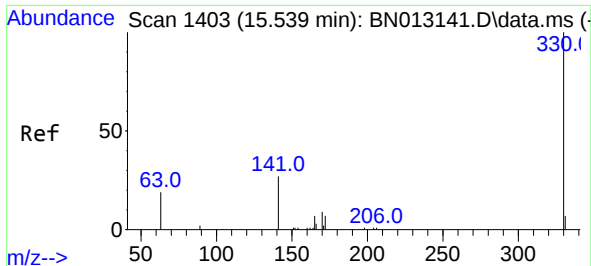
Tgt Ion:142 Resp: 202350
Ion Ratio Lower Upper
142 100
141 89.9 69.4 104.2
115 42.6 35.7 53.5



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.029 min Scan# 1284
Delta R.T. 0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:164 Resp: 26708
Ion Ratio Lower Upper
164 100
162 3.8 80.6 120.8#
160 48.6 39.5 59.3

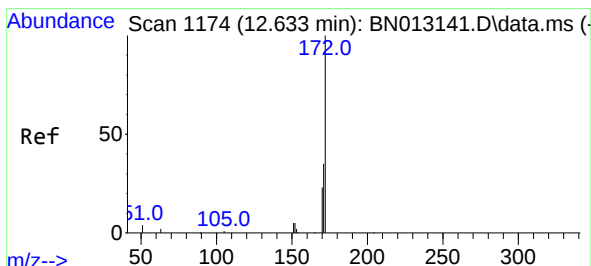
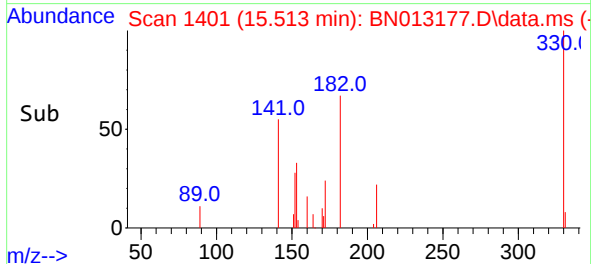
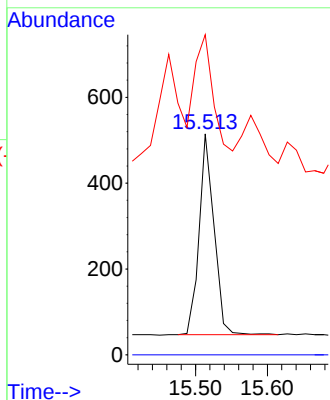
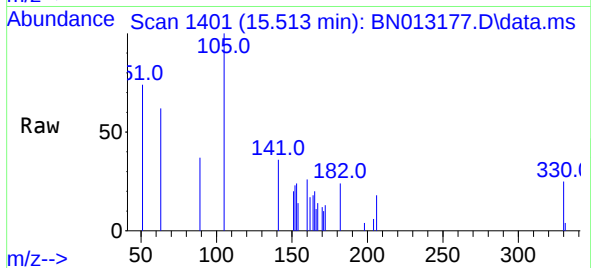




#14
2,4,6-Tribromophenol
Concen: 0.04 ng
RT: 15.513 min Scan# 1401
Delta R.T. -0.025 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

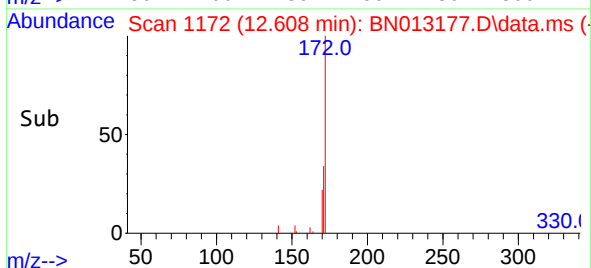
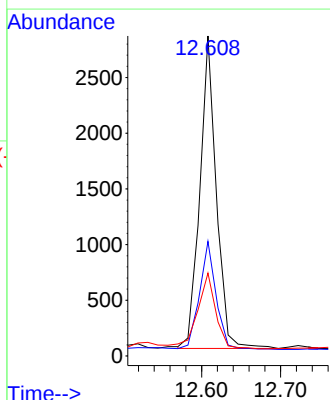
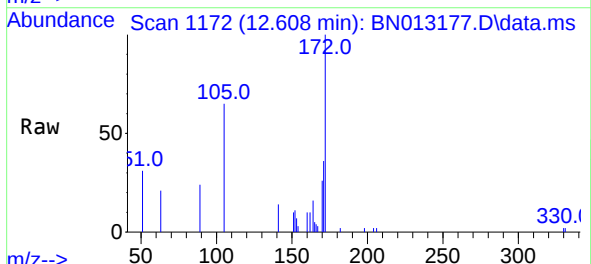
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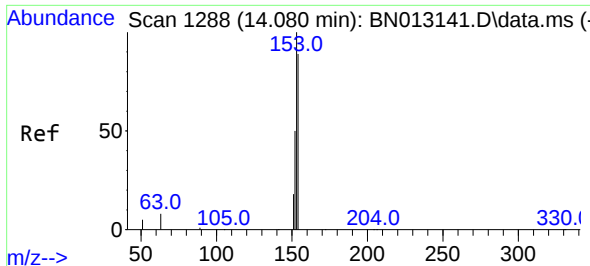
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Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 67.7 34.4 51.6#



#15
2-Fluorobiphenyl
Concen: 0.04 ng
RT: 12.608 min Scan# 1172
Delta R.T. -0.025 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:172 Resp: 4070
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.4
170 25.9 20.0 30.0

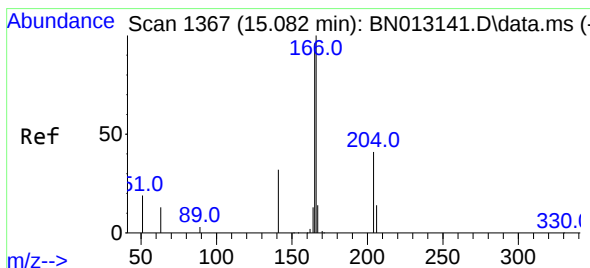
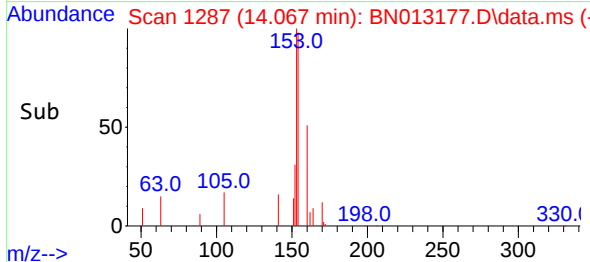
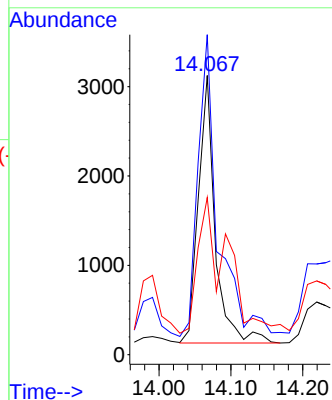
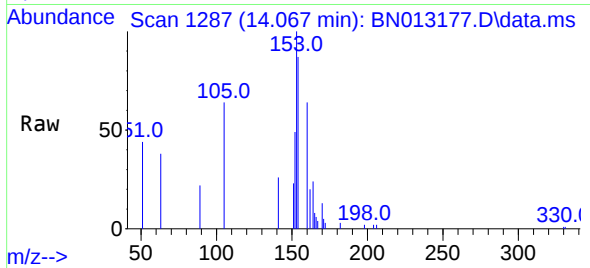




#17
Acenaphthene
Concen: 0.05 ng
RT: 14.067 min Scan# 1287
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

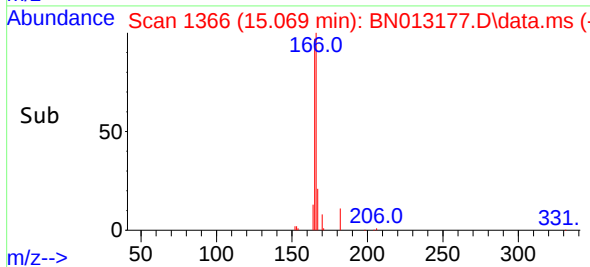
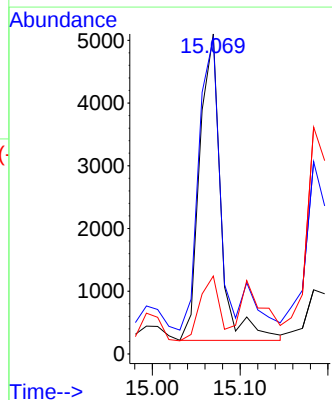
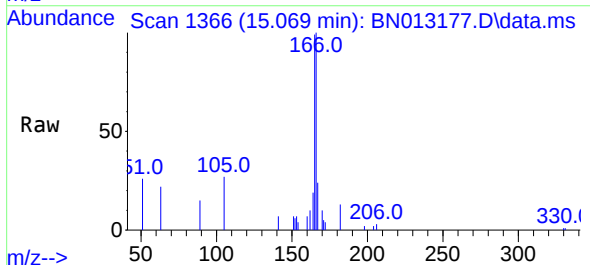
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

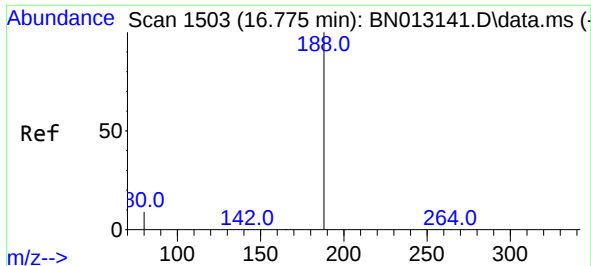
Tgt Ion:154 Resp: 4833
Ion Ratio Lower Upper
154 100
153 135.5 83.6 125.4#
152 88.0 43.9 65.9#



#18
Fluorene
Concen: 0.07 ng
RT: 15.069 min Scan# 1366
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:166 Resp: 8144
Ion Ratio Lower Upper
166 100
165 94.0 78.6 118.0
167 19.4 10.7 16.1#

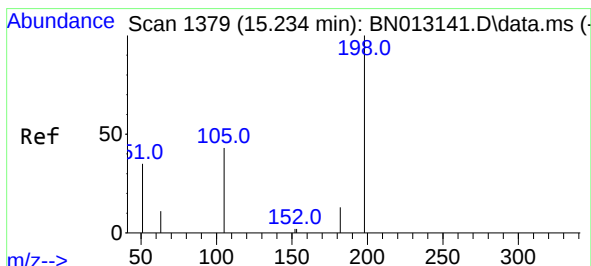
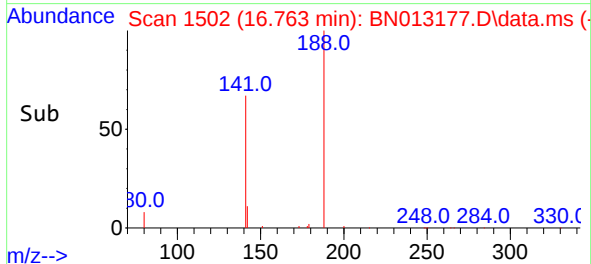
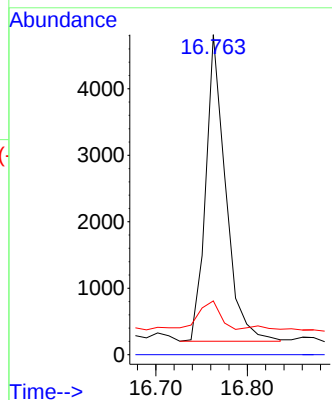
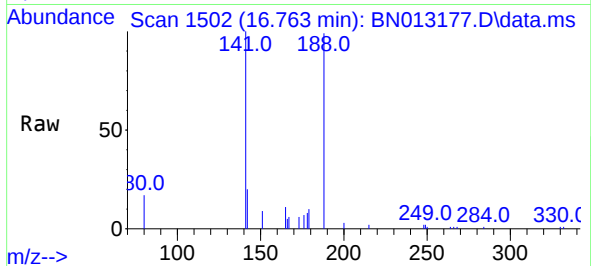




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 16.763 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

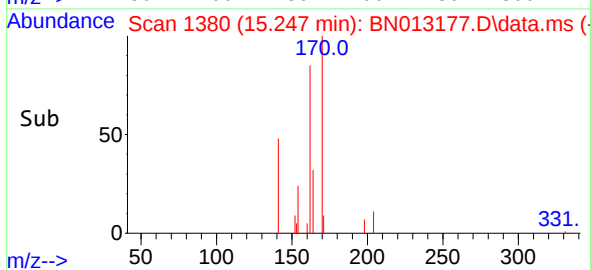
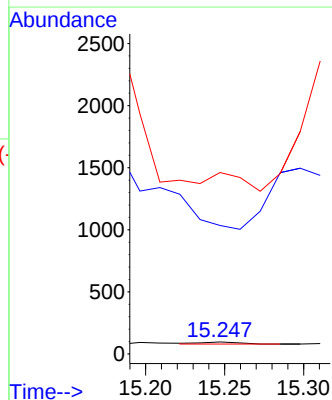
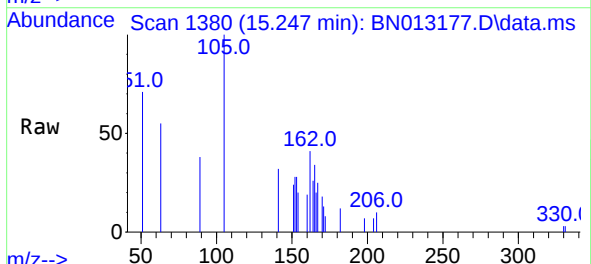
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

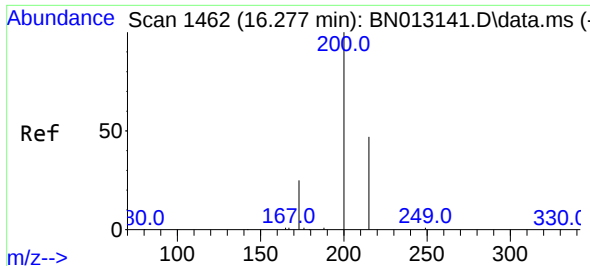
Tgt Ion:188 Resp: 6961
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.8 5.0 7.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.20 ng
RT: 15.247 min Scan# 1380
Delta R.T. 0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:198 Resp: 27
Ion Ratio Lower Upper
198 100
51 1067.0 43.5 65.3#
105 1506.2 27.2 40.8#

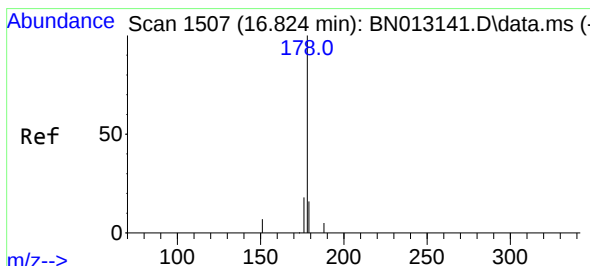
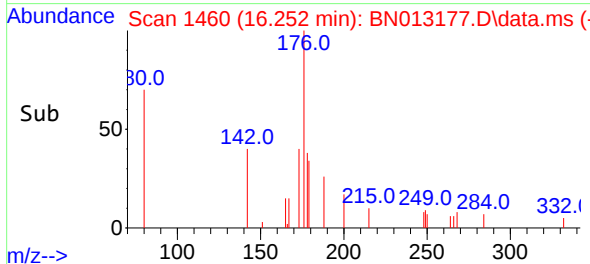
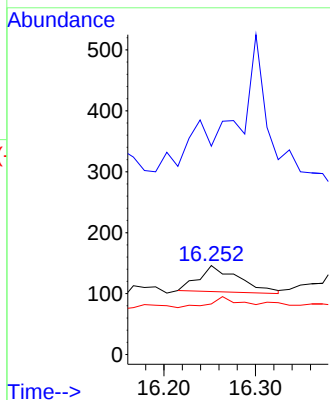
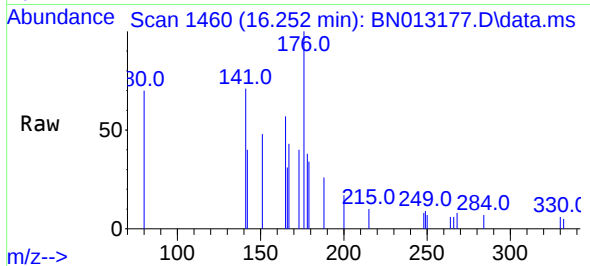




#23
Atrazine
Concen: 0.03 ng
RT: 16.252 min Scan# 1460
Delta R.T. -0.025 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

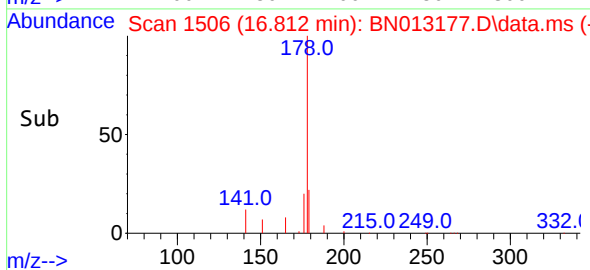
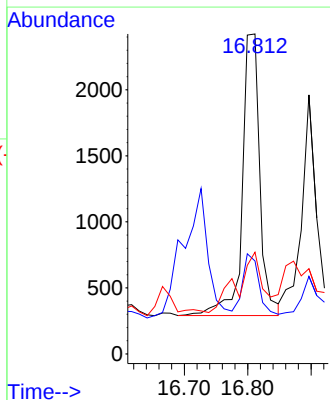
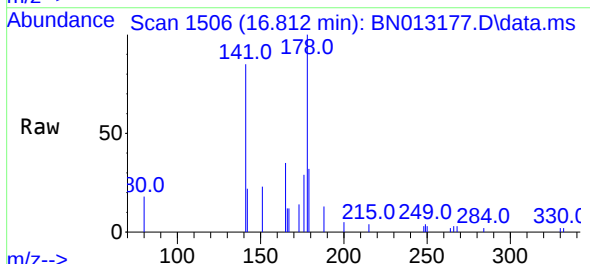
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

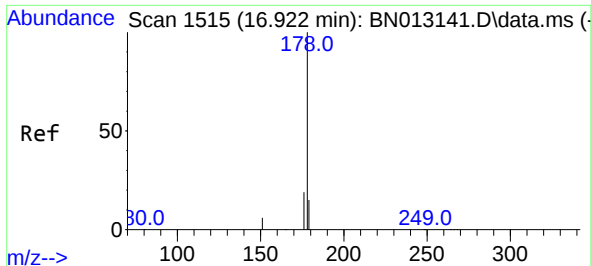
Tgt Ion:200 Resp: 130
Ion Ratio Lower Upper
200 100
173 234.2 22.8 34.2#
215 56.8 38.1 57.1



#25
Phenanthrene
Concen: 0.18 ng
RT: 16.812 min Scan# 1506
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:178 Resp: 4135
Ion Ratio Lower Upper
178 100
176 21.9 14.8 22.2
179 30.1 12.4 18.6#

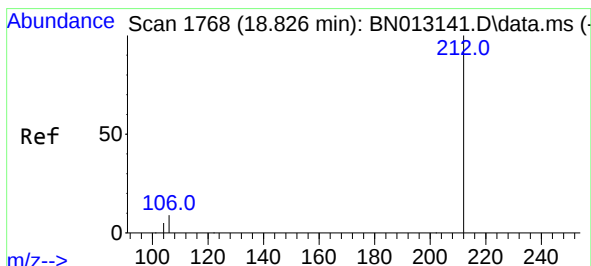
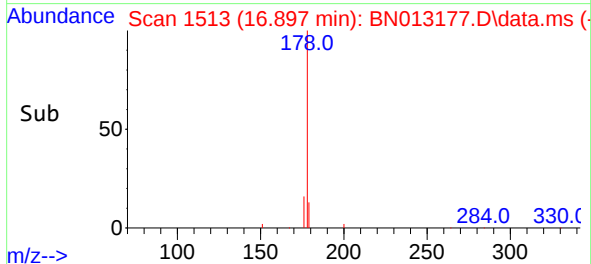
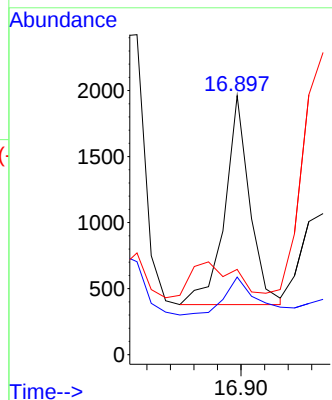
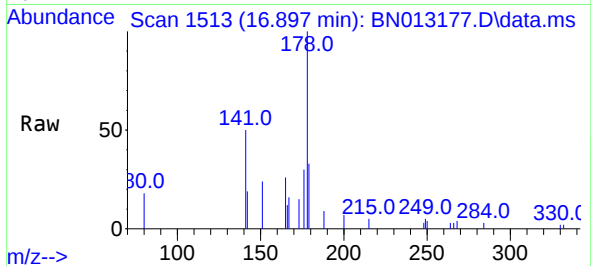




#26
 Anthracene
 Concen: 0.12 ng
 RT: 16.897 min Scan# 1513
 Delta R.T. -0.025 min
 Lab File: BN013177.D
 Acq: 16 Dec 2020 22:08

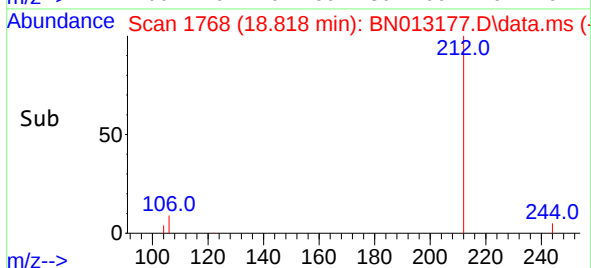
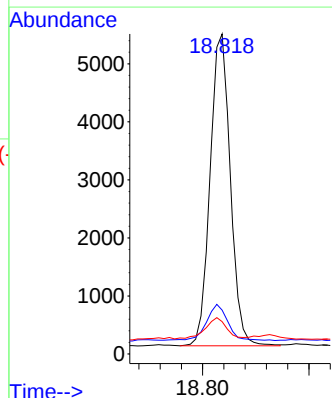
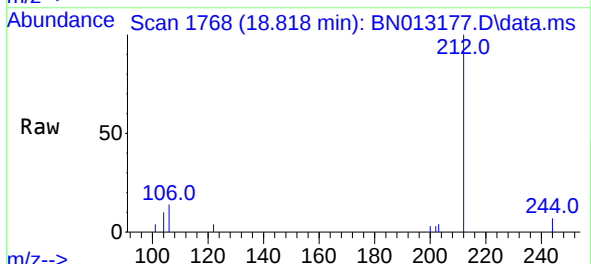
Instrument :
 BNA_N
 ClientSampleId :
 BES-12SRRE

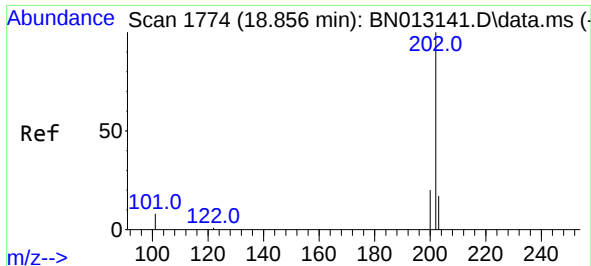
Tgt Ion:178 Resp: 2338
 Ion Ratio Lower Upper
 178 100
 176 24.5 14.8 22.2#
 179 0.0 12.5 18.7#



#27
 Fluoranthene-d10
 Concen: 0.31 ng
 RT: 18.818 min Scan# 1768
 Delta R.T. -0.008 min
 Lab File: BN013177.D
 Acq: 16 Dec 2020 22:08

Tgt Ion:212 Resp: 7095
 Ion Ratio Lower Upper
 212 100
 106 12.4 6.8 10.2#
 104 7.8 4.1 6.1#

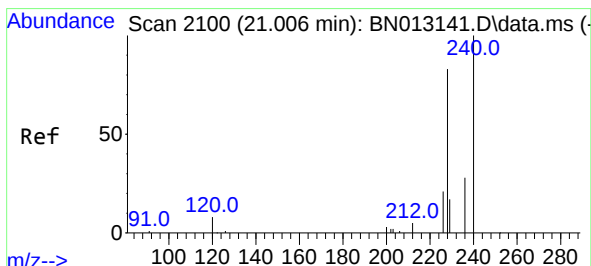
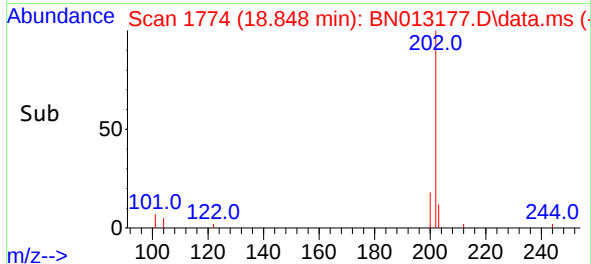
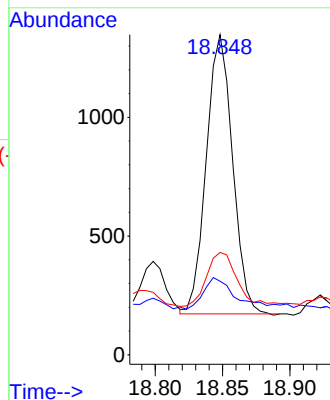
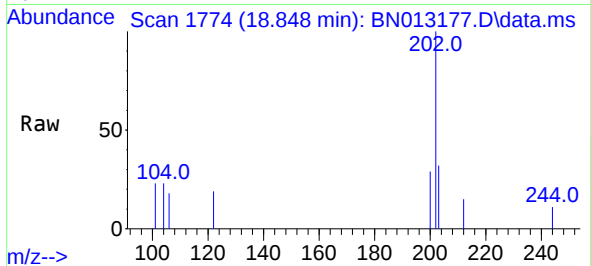




#28
Fluoranthene
Concen: 0.06 ng
RT: 18.848 min Scan# 1774
Delta R.T. -0.008 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

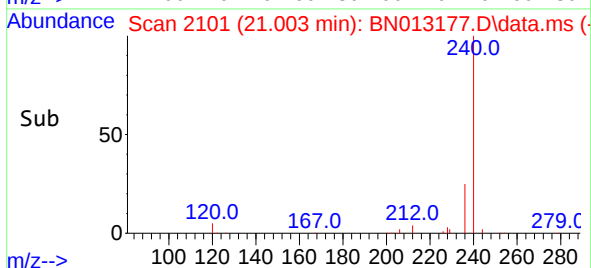
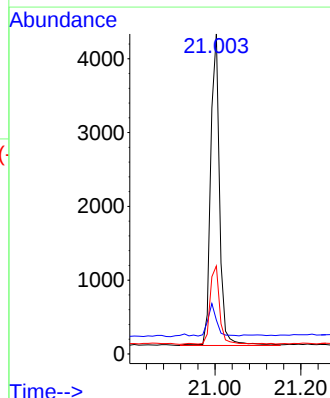
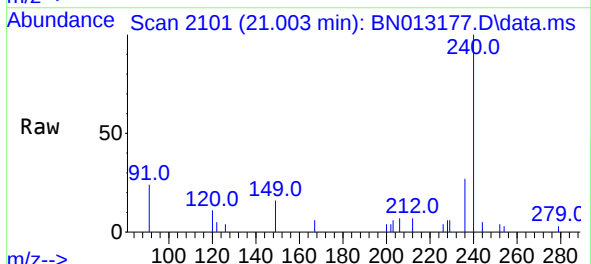
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

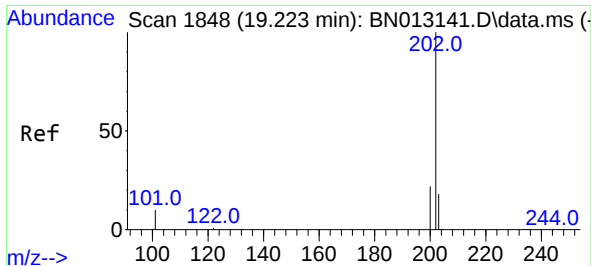
Tgt Ion:202 Resp: 1596
Ion Ratio Lower Upper
202 100
101 14.4 5.8 8.6#
203 22.9 13.7 20.5#



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.003 min Scan# 2101
Delta R.T. -0.003 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:240 Resp: 6101
Ion Ratio Lower Upper
240 100
120 10.6 5.3 7.9#
236 27.5 21.8 32.8

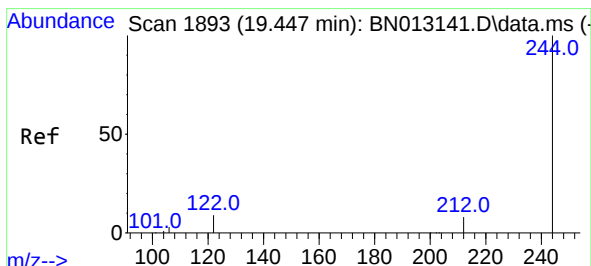
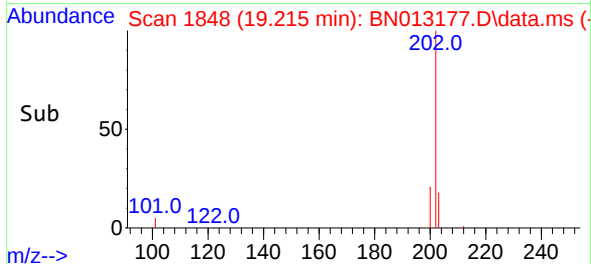
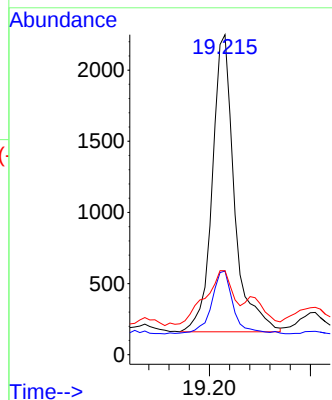
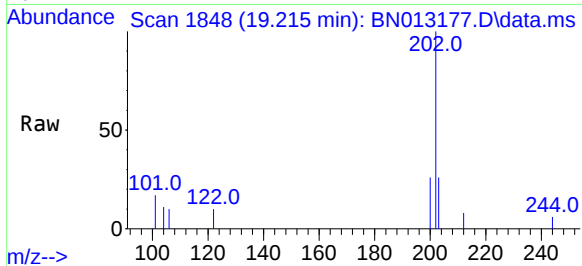




#30
Pyrene
Concen: 0.13 ng
RT: 19.215 min Scan# 1848
Delta R.T. -0.008 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

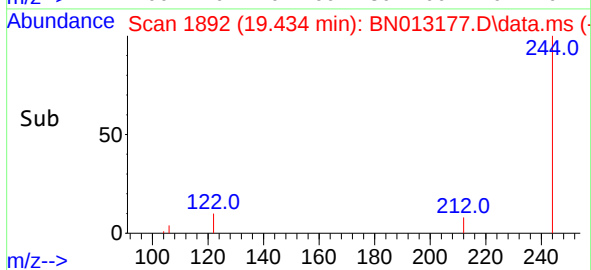
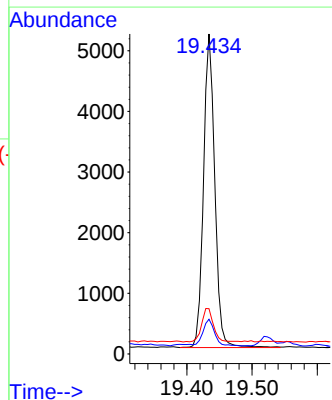
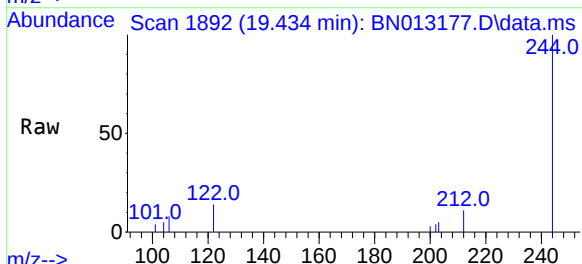
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

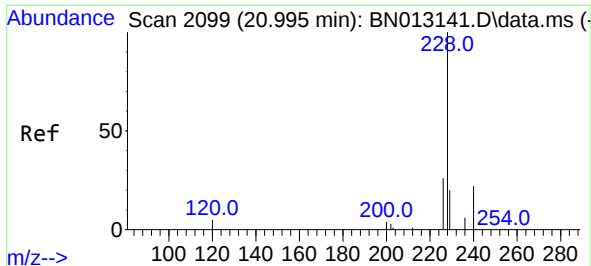
Tgt Ion:	202	Resp:	3184
Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	24.0	13.8	20.8#



#31
Terphenyl-d14
Concen: 0.40 ng
RT: 19.434 min Scan# 1892
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:	244	Resp:	6209
Ion	Ratio	Lower	Upper
244	100		
212	10.9	7.3	10.9
122	14.1	7.3	10.9#

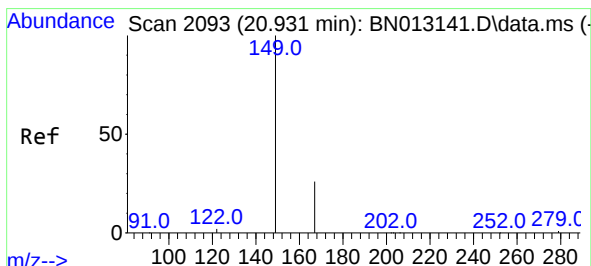
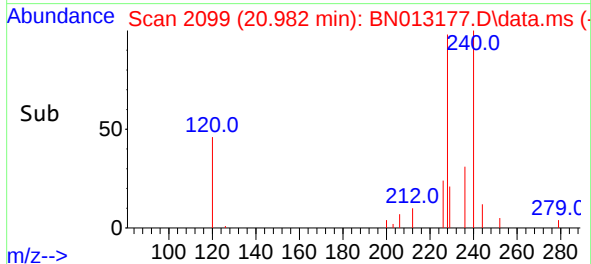
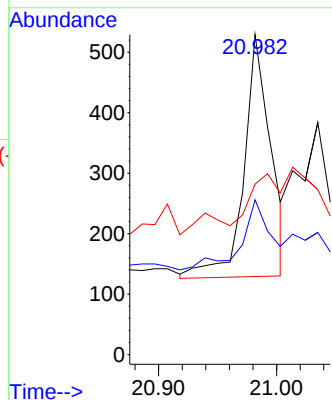
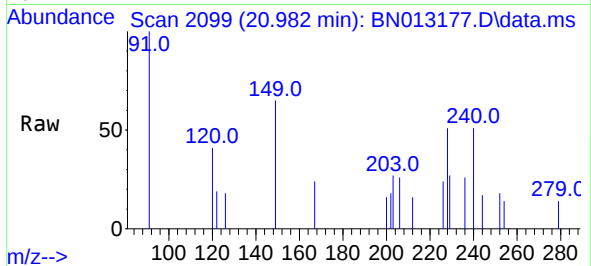




#32
Benzo(a)anthracene
Concen: 0.03 ng
RT: 20.982 min Scan# 2099
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

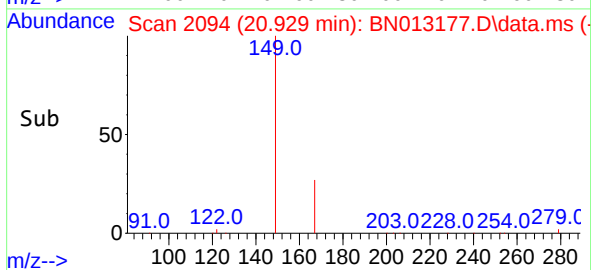
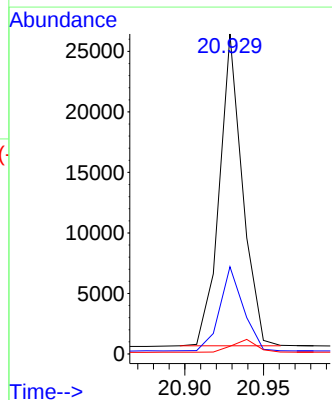
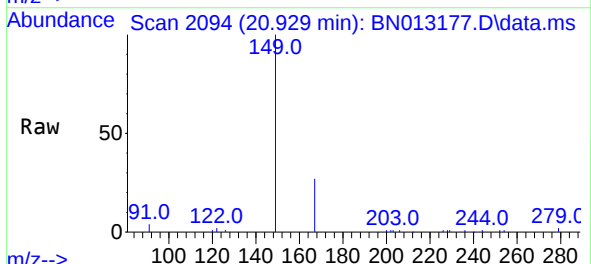
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

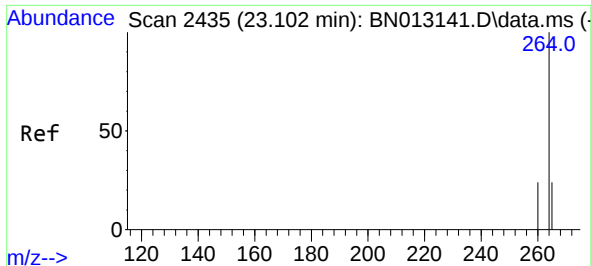
Tgt Ion:228 Resp: 634
Ion Ratio Lower Upper
228 100
226 48.4 22.3 33.5#
229 53.3 15.7 23.5#



#34
Bis(2-ethylhexyl)phthalate
Concen: 2.10 ng
RT: 20.929 min Scan# 2094
Delta R.T. -0.002 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:149 Resp: 26303
Ion Ratio Lower Upper
149 100
167 27.3 23.2 34.8
279 4.4 3.9 5.9

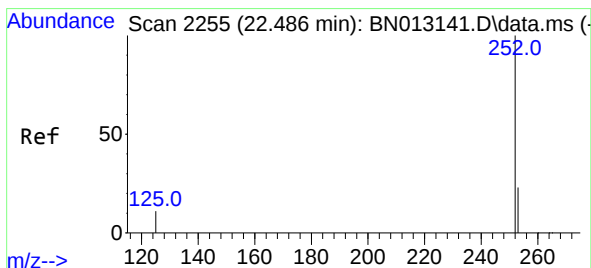
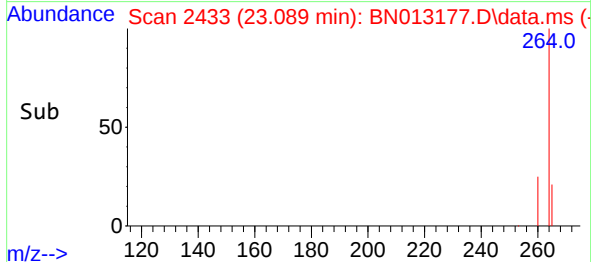
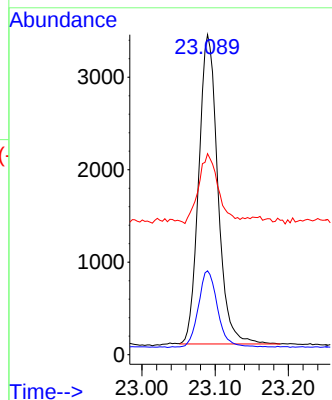
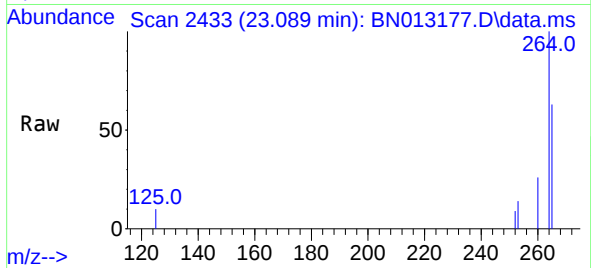




#36
Perylene-d12
Concen: 0.40 ng
RT: 23.089 min Scan# 2433
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

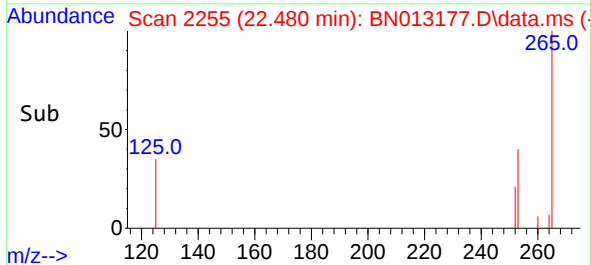
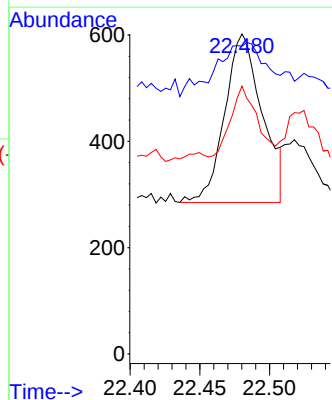
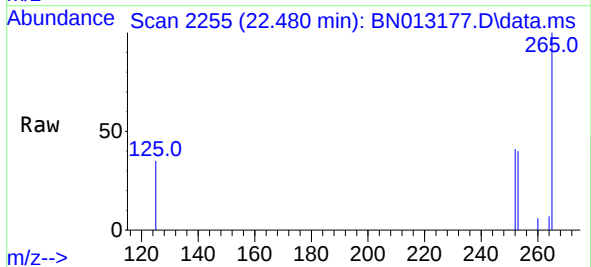
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

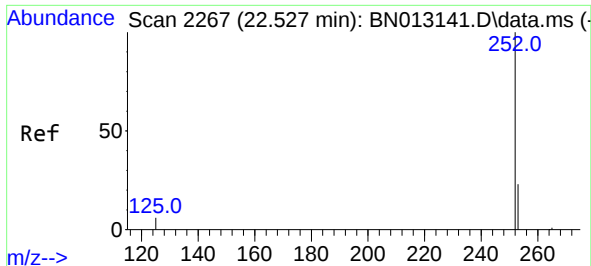
Tgt Ion:264 Resp: 6052
Ion Ratio Lower Upper
264 100
260 26.2 19.8 29.6
265 62.8 51.4 77.0



#37
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.480 min Scan# 2255
Delta R.T. -0.006 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:252 Resp: 594
Ion Ratio Lower Upper
252 100
253 96.2 20.1 30.1#
125 83.7 7.2 10.8#

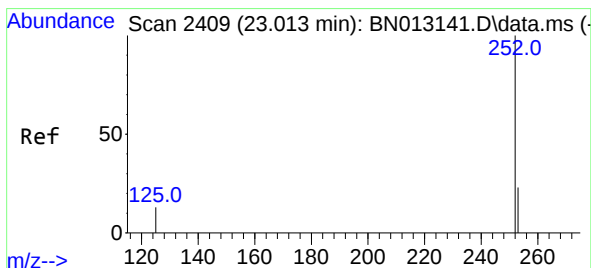
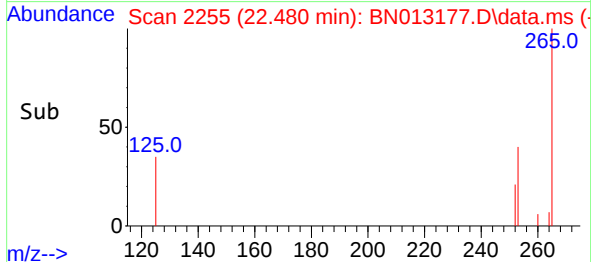
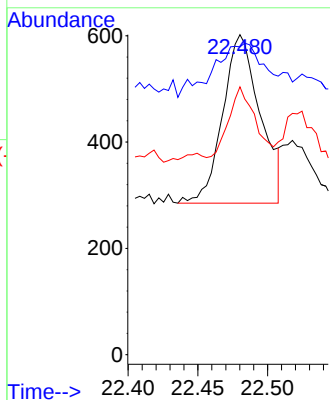
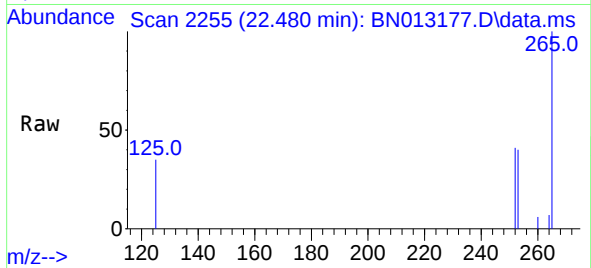




#38
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 22.480 min Scan# 2255
Delta R.T. -0.047 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

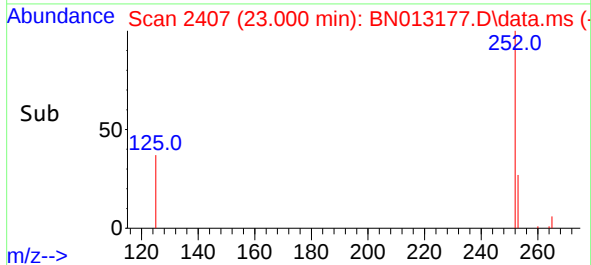
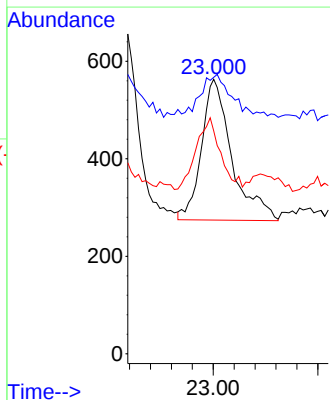
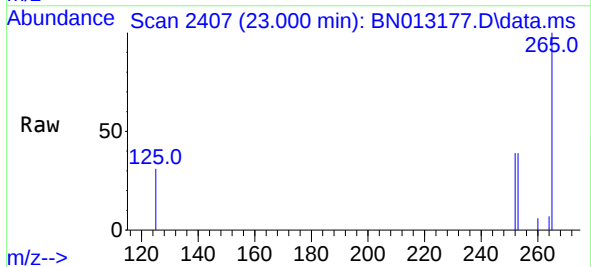
Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

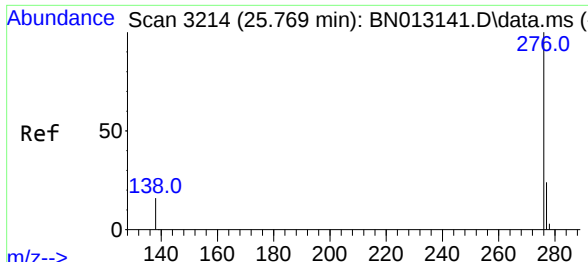
Tgt Ion:252 Resp: 594
Ion Ratio Lower Upper
252 100
253 96.2 19.8 29.8#
125 83.7 7.1 10.7#



#39
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.000 min Scan# 2407
Delta R.T. -0.013 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Tgt Ion:252 Resp: 582
Ion Ratio Lower Upper
252 100
253 100.7 21.3 31.9#
125 81.2 8.3 12.5#





#41
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 25.759 min Scan# 3213
Delta R.T. -0.010 min
Lab File: BN013177.D
Acq: 16 Dec 2020 22:08

Instrument :
BNA_N
ClientSampleId :
BES-12SRRE

Tgt Ion:276 Resp: 724
Ion Ratio Lower Upper
276 100
277 46.8 19.8 29.8#
138 40.7 11.7 17.5#

