

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE041321\
 Data File : BE101295.D
 Acq On : 13 Apr 2021 15:50
 Operator : CG/JU
 Sample : M1998-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Apr 14 00:40:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-SIM-BE041221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 12 18:02:55 2021
 Response via : Initial Calibration

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

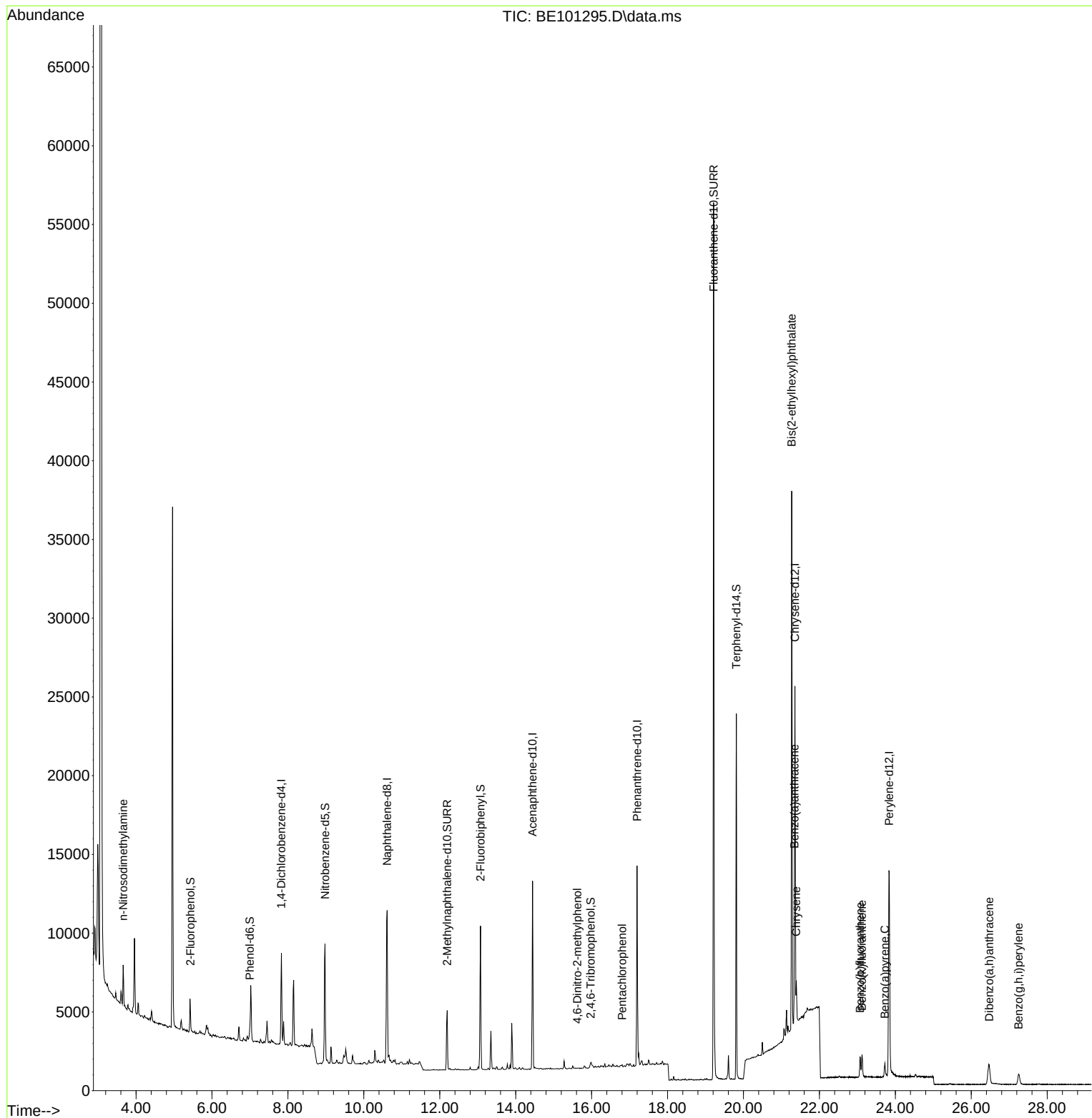
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.829	152	2652	0.40	ng	0.00
7) Naphthalene-d8	10.614	136	11197	0.40	ng	# 0.00
13) Acenaphthene-d10	14.443	164	6668	0.40	ng	0.00
19) Phenanthrene-d10	17.197	188	16142	0.40	ng	# 0.00
29) Chrysene-d12	21.354	240	20683	0.40	ng	# 0.00
36) Perylene-d12	23.834	264	20543	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.433	112	947	0.12	ng	0.00
5) Phenol-d6	7.000	99	750	0.06	ng	0.00
8) Nitrobenzene-d5	8.977	82	3062	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.196	152	5258	0.20	ng	0.00
14) 2,4,6-Tribromophenol	15.972	330	255	0.13	ng	0.02
15) 2-Fluorobiphenyl	13.075	172	8405	0.36	ng	0.00
27) Fluoranthene-d10	19.214	212	72601	0.26	ng	0.00
31) Terphenyl-d14	19.811	244	20189	0.40	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.660	42	186	0.04	ng	# 1
20) 4,6-Dinitro-2-methylph...	15.624	198	13	0.19	ng	# 1
24) Pentachlorophenol	16.804	266	5	0.26	ng	# 19
32) Benzo(a)anthracene	21.342	228	1858	0.03	ng	95
33) Chrysene	21.390	228	2116	0.03	ng	# 95
34) Bis(2-ethylhexyl)phtha...	21.269	149	38200	0.44	ng	100
37) Benzo(b)fluoranthene	23.071	252	1899	0.03	ng	# 77
38) Benzo(k)fluoranthene	23.121	252	1930	0.03	ng	# 76
39) Benzo(a)pyrene	23.723	252	1401	0.02	ng	# 65
40) Dibenzo(a,h)anthracene	26.474	278	1654	0.03	ng	# 73
41) Benzo(g,h,i)perylene	27.248	276	1702	0.03	ng	# 82

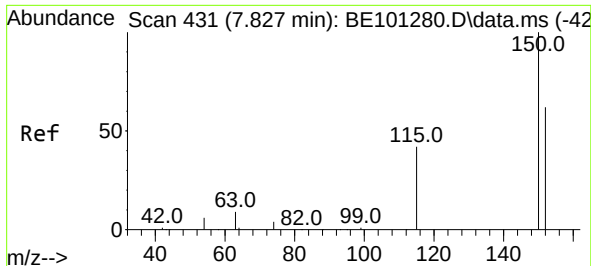
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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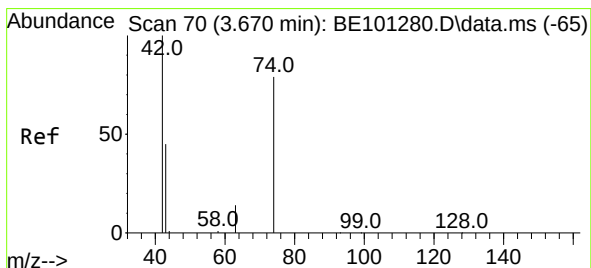
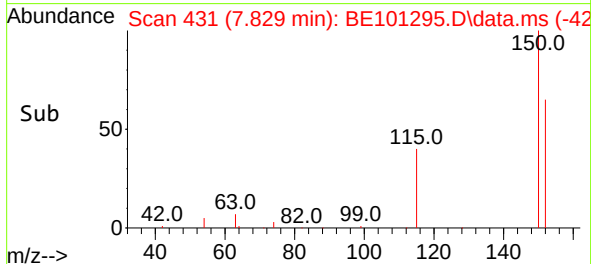
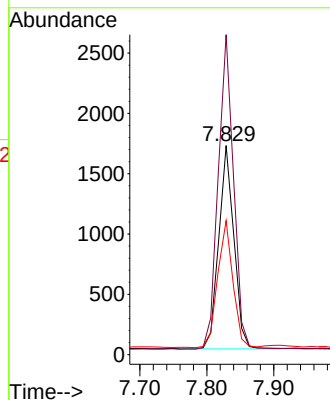
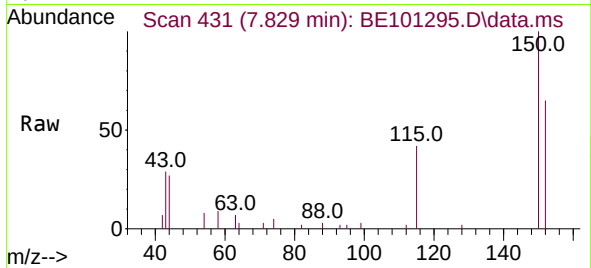




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.829 min Scan# 431
 Delta R.T. 0.002 min
 Lab File: BE101295.D
 Acq: 13 Apr 2021 15:50

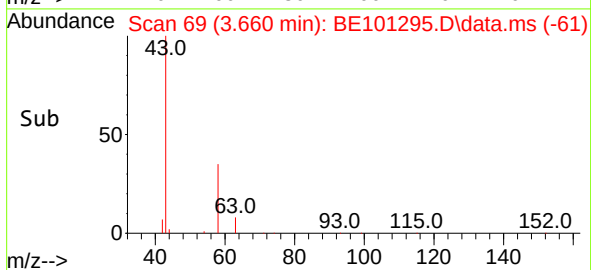
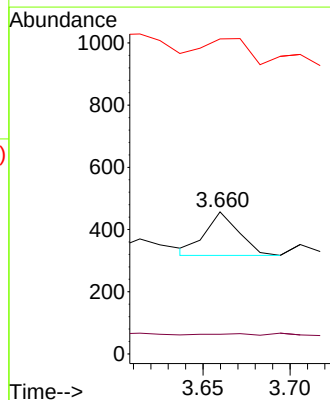
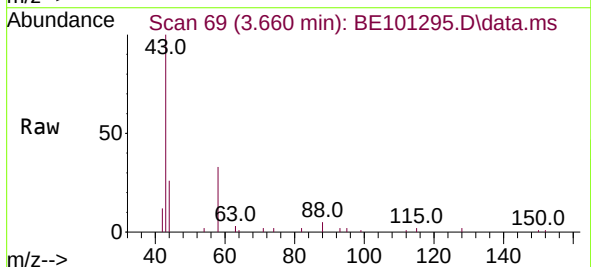
Instrument :
 BNA_E
 ClientSampleId :

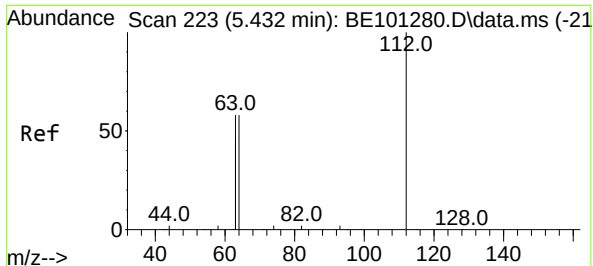
Tgt Ion:152 Resp: 2652
 Ion Ratio Lower Upper
 152 100
 150 153.1 116.9 175.3
 115 64.2 44.5 66.7



#3
 n-Nitrosodimethylamine
 Concen: 0.04 ng
 RT: 3.660 min Scan# 69
 Delta R.T. -0.010 min
 Lab File: BE101295.D
 Acq: 13 Apr 2021 15:50

Tgt Ion: 42 Resp: 186
 Ion Ratio Lower Upper
 42 100
 74 4.8 92.7 139.1#
 44 41.4 10.7 16.1#

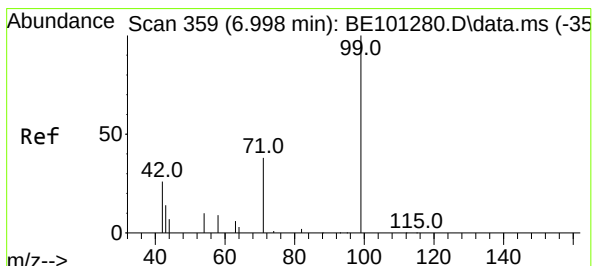
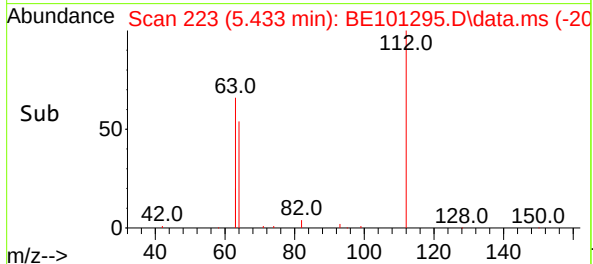
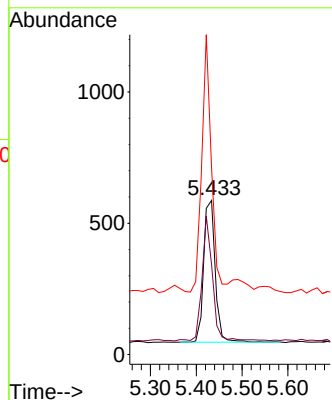
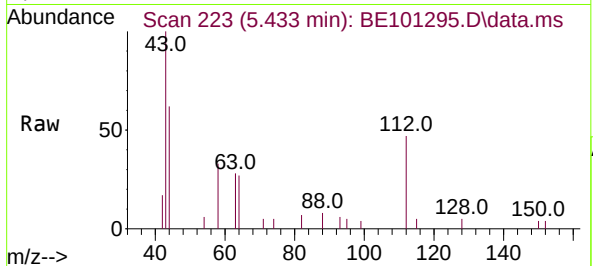




#4
2-Fluorophenol
Concen: 0.12 ng
RT: 5.433 min Scan# 223
Delta R.T. 0.001 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

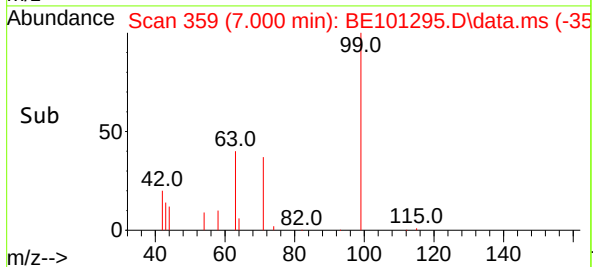
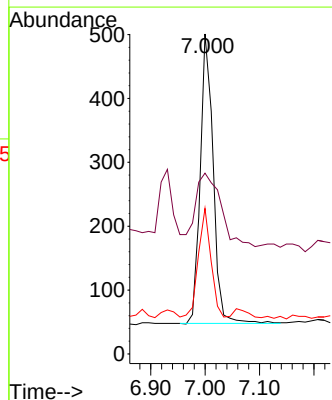
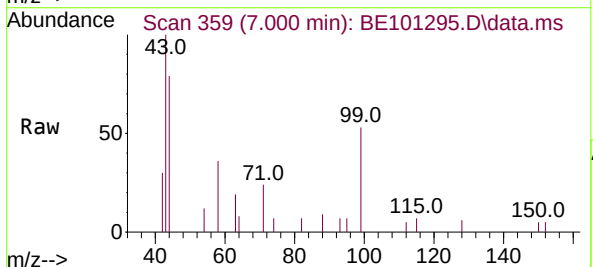
Instrument :
BNA_E
ClientSampled :

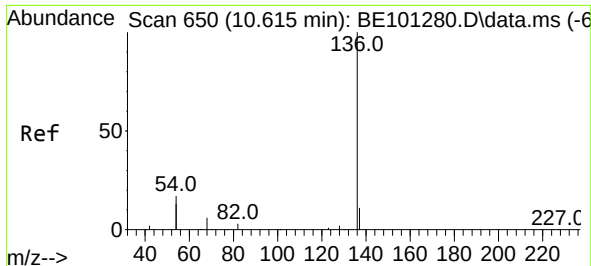
Tgt Ion:112 Resp: 947
Ion Ratio Lower Upper
112 100
64 79.4 62.3 93.5
63 151.1 117.3 175.9



#5
Phenol-d6
Concen: 0.06 ng
RT: 7.000 min Scan# 359
Delta R.T. 0.001 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 99 Resp: 750
Ion Ratio Lower Upper
99 100
42 48.8 18.5 27.7#
71 36.4 26.5 39.7

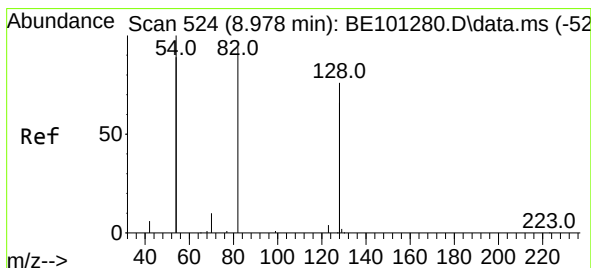
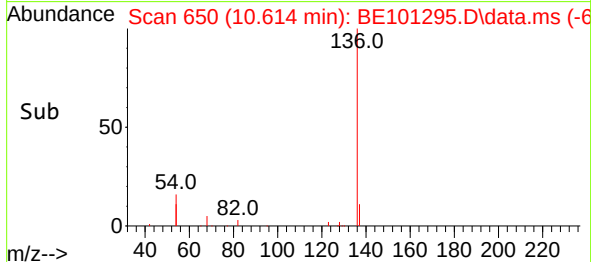
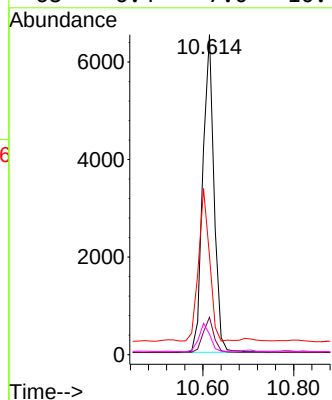
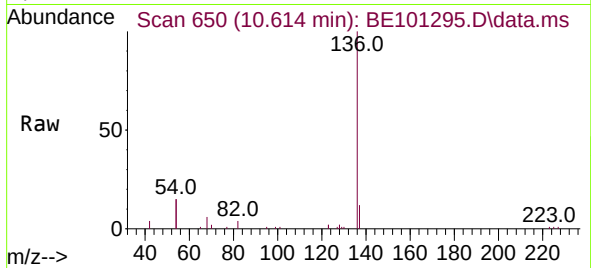




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.001 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

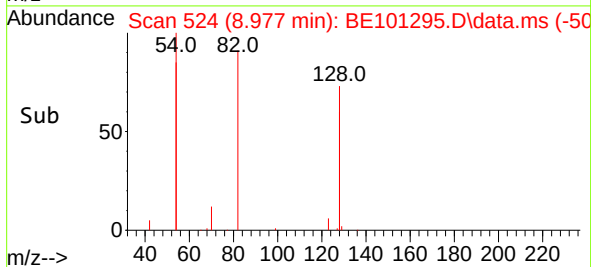
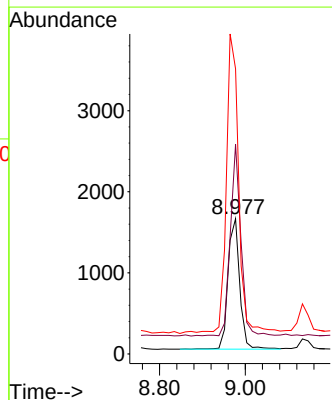
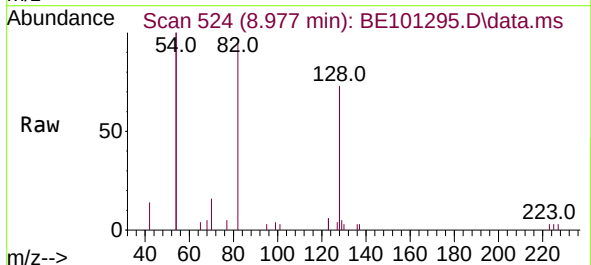
Instrument :
BNA_E
ClientSampleId :

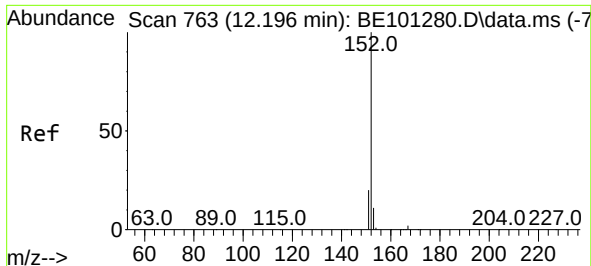
Tgt Ion:	136	Resp:	11197
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.6	13.0
54	30.9	34.7	52.1#
68	6.4	7.0	10.4#



#8
Nitrobenzene-d5
Concen: 0.30 ng
RT: 8.977 min Scan# 524
Delta R.T. -0.001 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion:	82	Resp:	3062
Ion Ratio	Lower	Upper	
82	100		
128	155.0	118.7	178.1
54	210.9	164.4	246.6

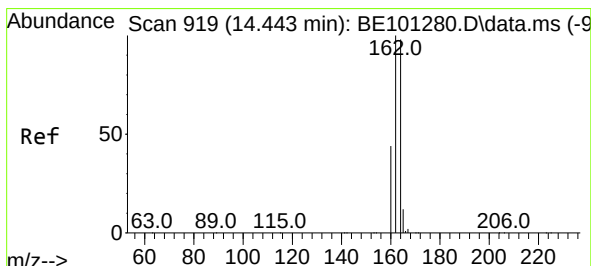
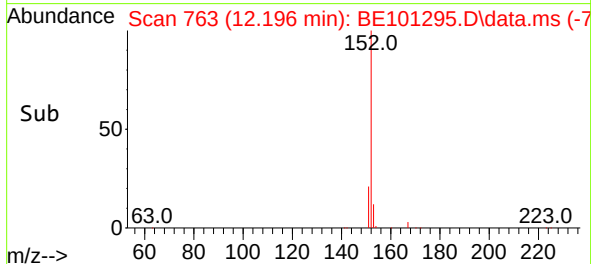
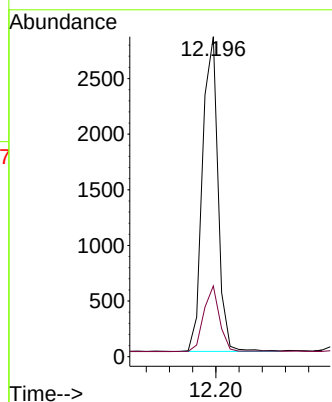
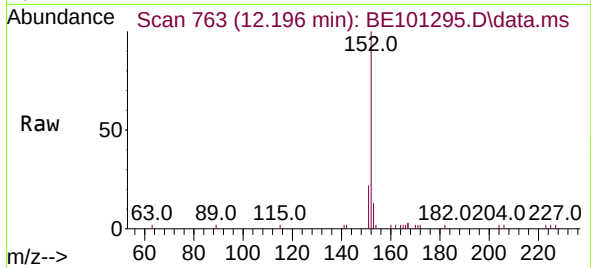




#11
2-Methylnaphthalene-d10
Concen: 0.20 ng
RT: 12.196 min Scan# 763
Delta R.T. 0.000 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

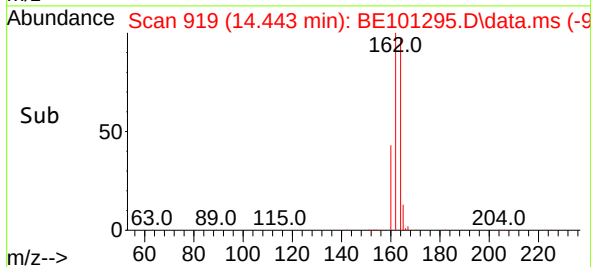
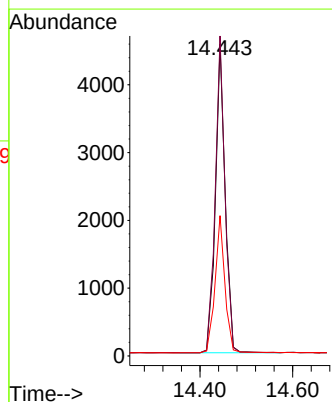
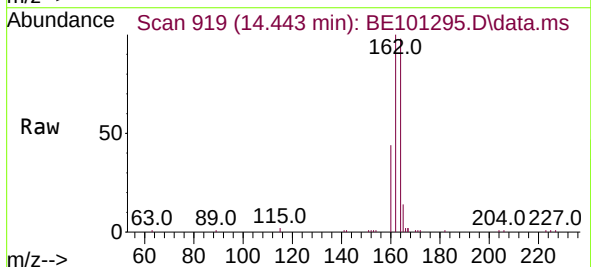
Instrument :
BNA_E
ClientSampleId :

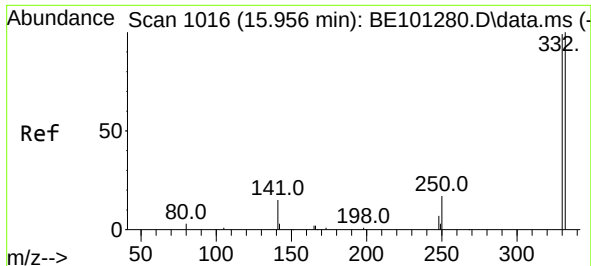
Tgt Ion:152 Resp: 5258
Ion Ratio Lower Upper
152 100
151 21.1 16.5 24.7



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.443 min Scan# 919
Delta R.T. 0.000 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion:164 Resp: 6668
Ion Ratio Lower Upper
164 100
162 102.6 85.3 127.9
160 45.0 39.1 58.7

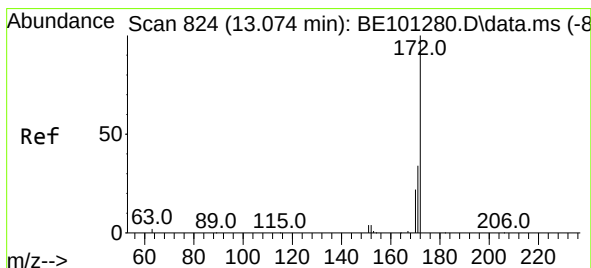
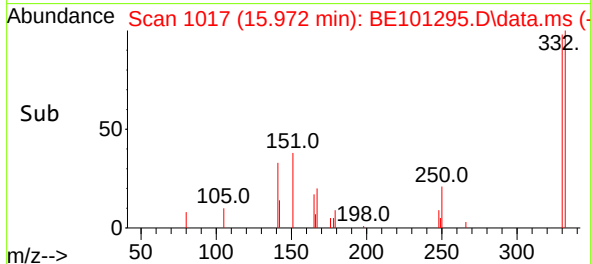
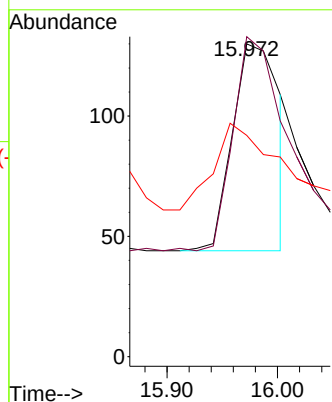
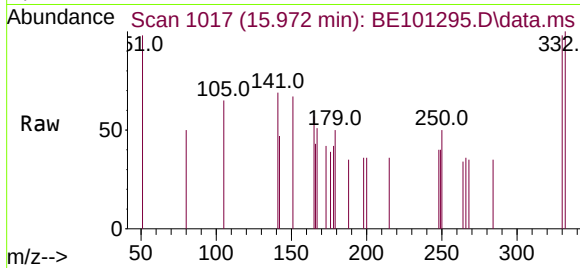




#14
2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 15.972 min Scan# 1017
Delta R.T. 0.017 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

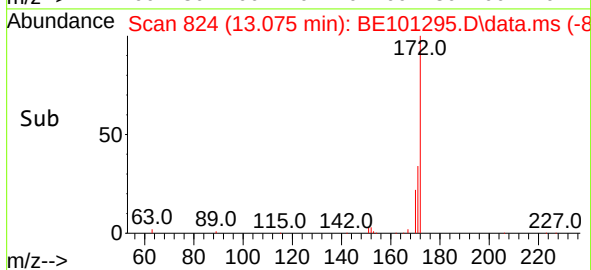
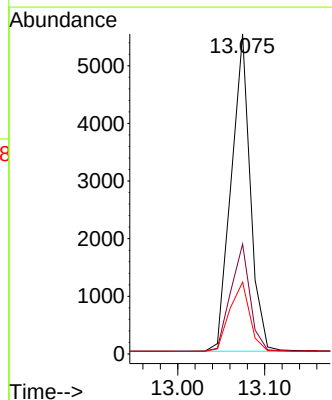
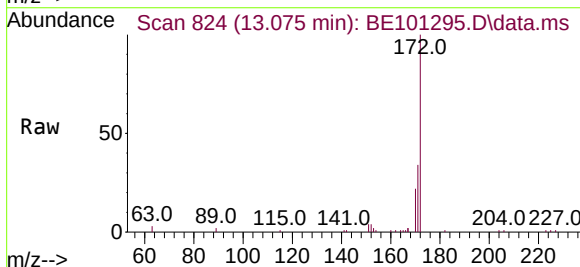
Instrument :
BNA_E
ClientSampled :

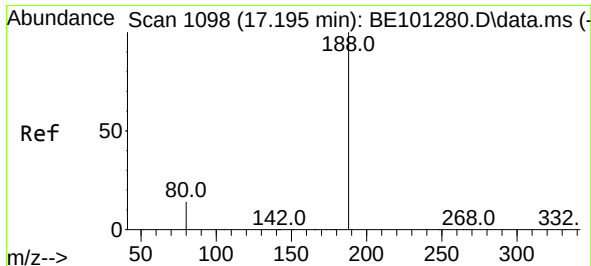
Tgt Ion: 330 Resp: 255
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.6
141 48.2 30.4 45.6#



#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.075 min Scan# 824
Delta R.T. 0.000 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion: 172 Resp: 8405
Ion Ratio Lower Upper
172 100
171 34.3 28.7 43.1
170 22.4 19.3 28.9

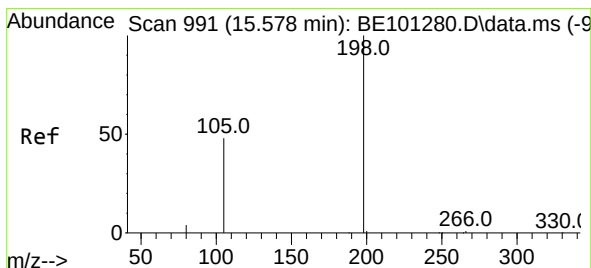
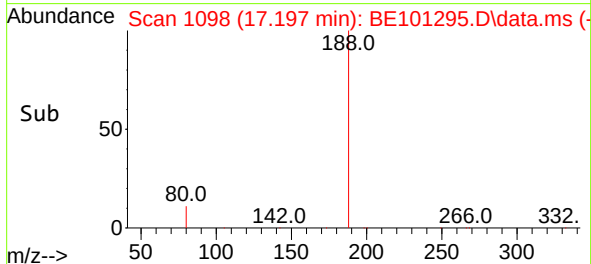
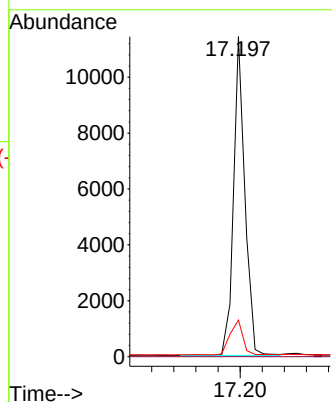
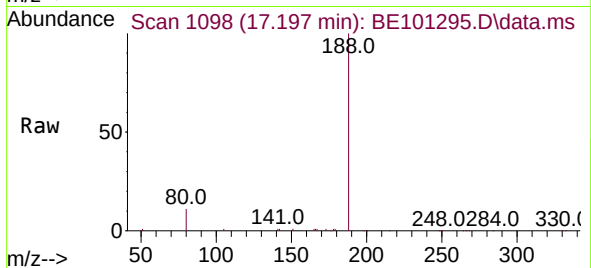




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.197 min Scan# 1098
Delta R.T. 0.002 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

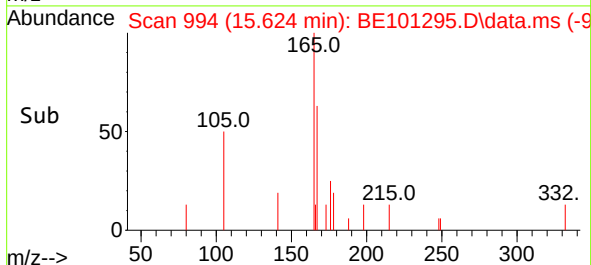
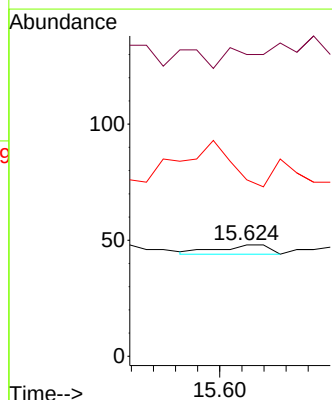
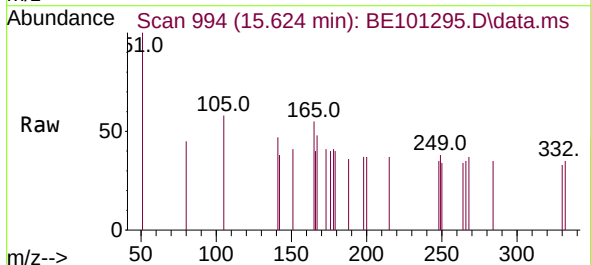
Instrument :
BNA_E
ClientSampleId :

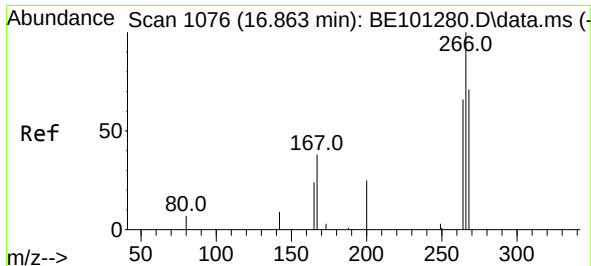
Tgt Ion:188 Resp: 16142
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 4.6 6.8#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.19 ng
RT: 15.624 min Scan# 994
Delta R.T. 0.046 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion:198 Resp: 13
Ion Ratio Lower Upper
198 100
51 270.8 55.9 83.9#
105 158.3 33.6 50.4#

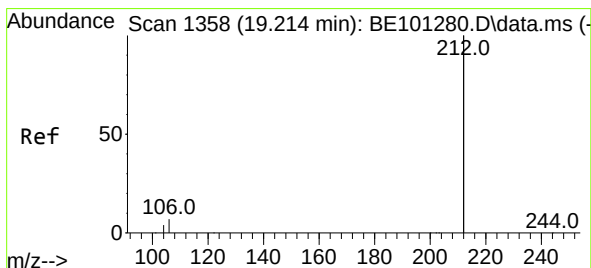
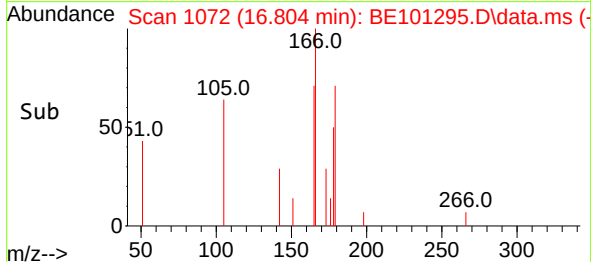
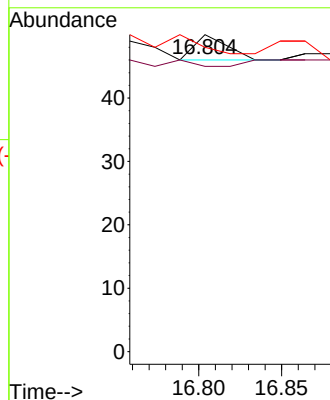
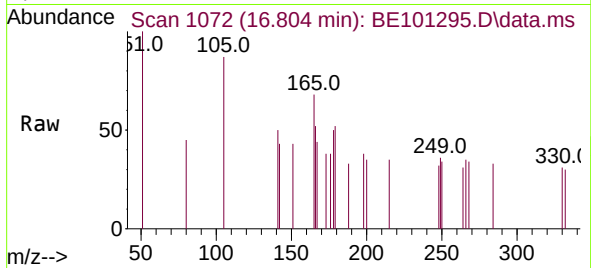




#24
Pentachlorophenol
Concen: 0.26 ng
RT: 16.804 min Scan# 1072
Delta R.T. -0.059 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

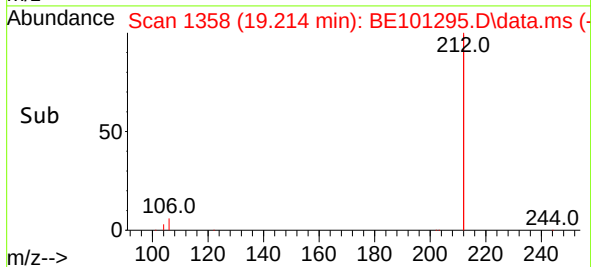
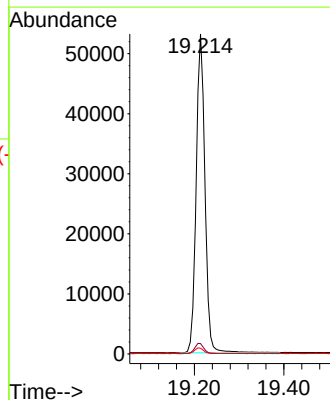
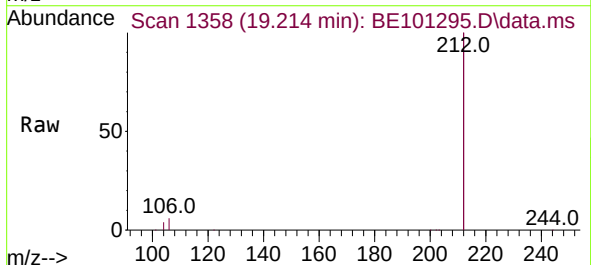
Instrument :
BNA_E
ClientSampleId :

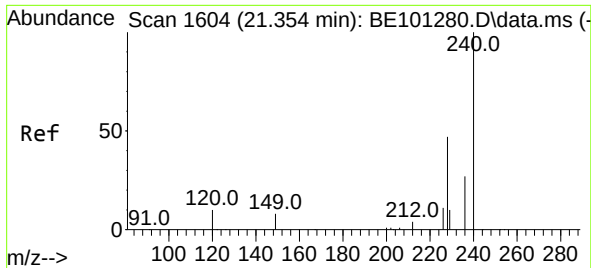
Tgt Ion:266 Resp: 5
Ion Ratio Lower Upper
266 100
264 0.0 49.1 73.7#
268 0.0 50.6 76.0#



#27
Fluoranthene-d10
Concen: 0.26 ng
RT: 19.214 min Scan# 1358
Delta R.T. -0.001 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion:212 Resp: 72601
Ion Ratio Lower Upper
212 100
106 3.3 2.6 4.0
104 1.9 1.4 2.2

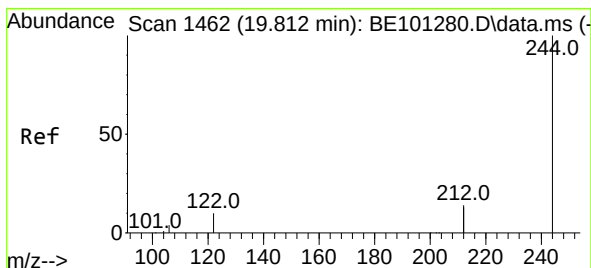
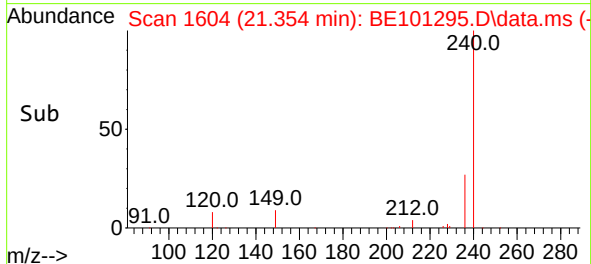
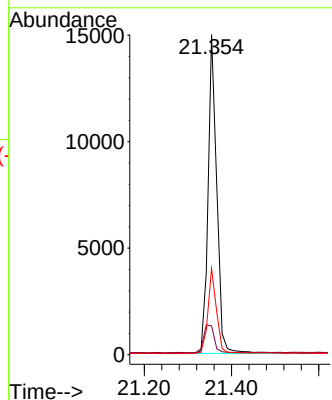
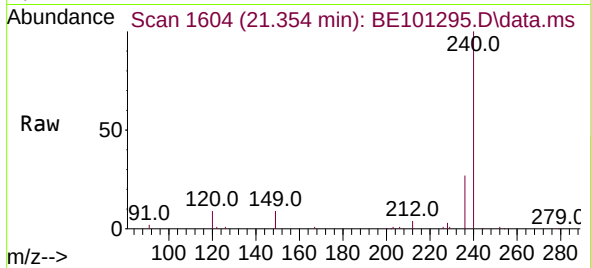




#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.354 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

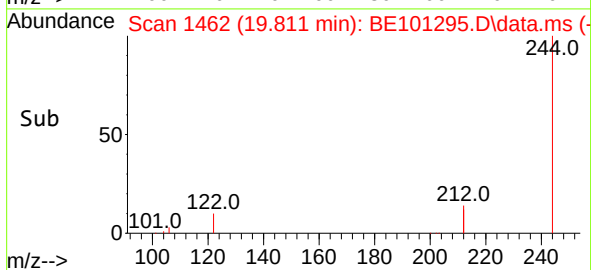
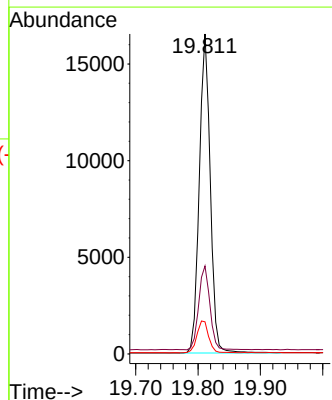
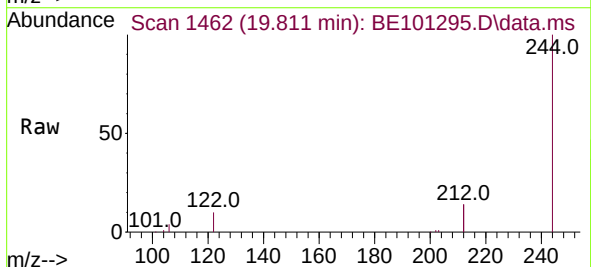
Instrument :
BNA_E
ClientSampled :

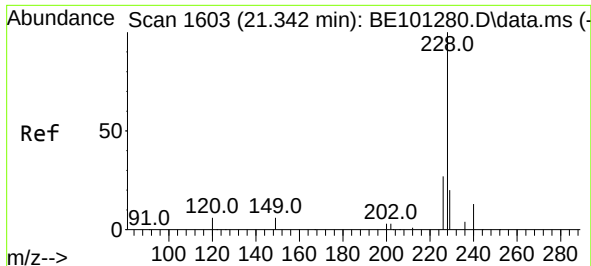
Tgt Ion:240 Resp: 20683
Ion Ratio Lower Upper
240 100
120 9.0 10.2 15.4#
236 26.9 21.7 32.5



#31
Terphenyl-d14
Concen: 0.40 ng
RT: 19.811 min Scan# 1462
Delta R.T. -0.001 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion:244 Resp: 20189
Ion Ratio Lower Upper
244 100
212 27.5 21.9 32.9
122 10.0 7.3 10.9

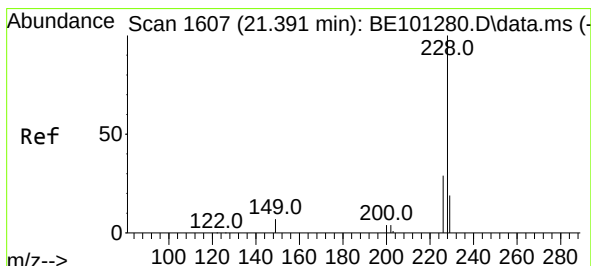
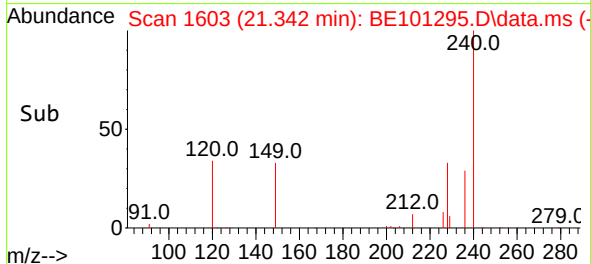
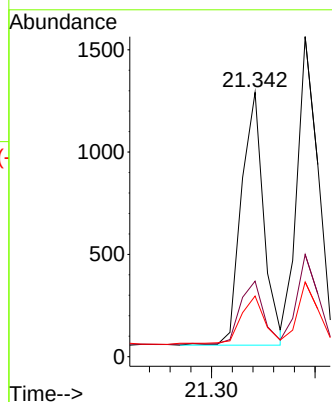
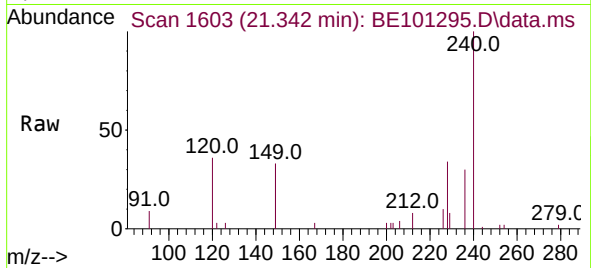




#32
Benzo(a)anthracene
Concen: 0.03 ng
RT: 21.342 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

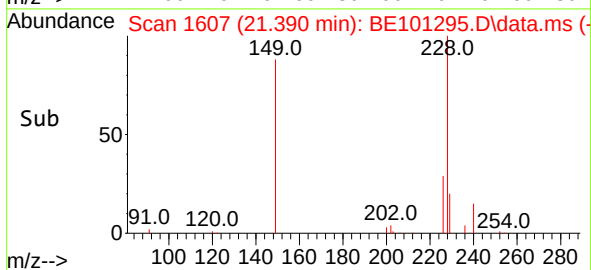
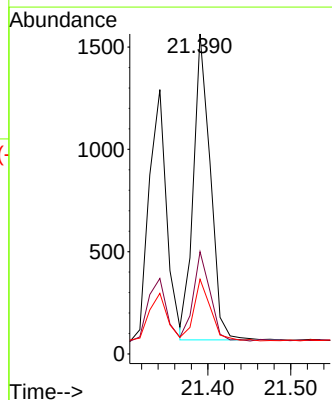
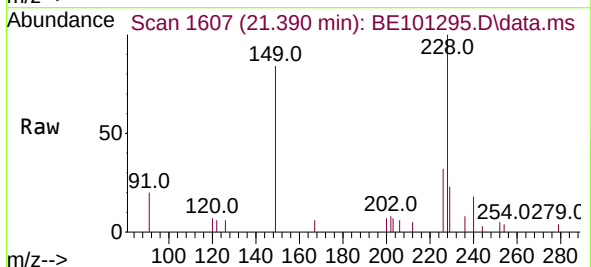
Instrument :
BNA_E
ClientSampleId :

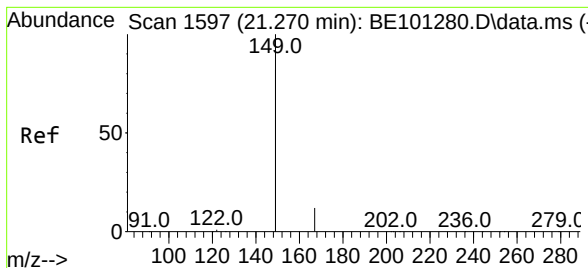
Tgt Ion:228 Resp: 1858
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.2
229 22.9 15.7 23.5



#33
Chrysene
Concen: 0.03 ng
RT: 21.390 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion:228 Resp: 2116
Ion Ratio Lower Upper
228 100
226 32.0 24.8 37.2
229 23.3 15.2 22.8#

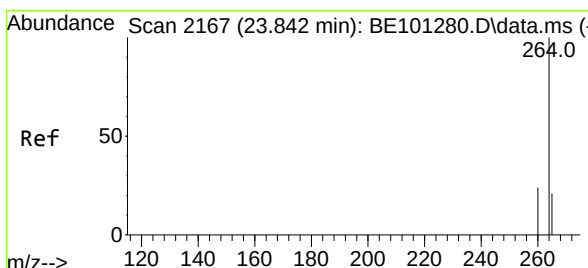
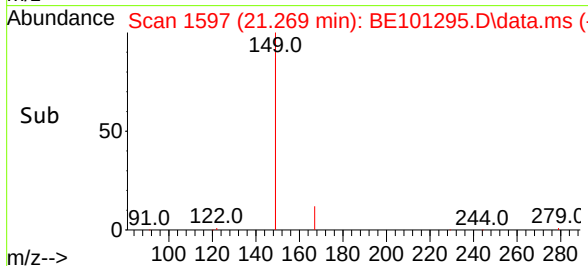
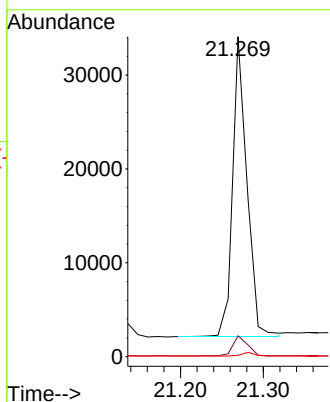
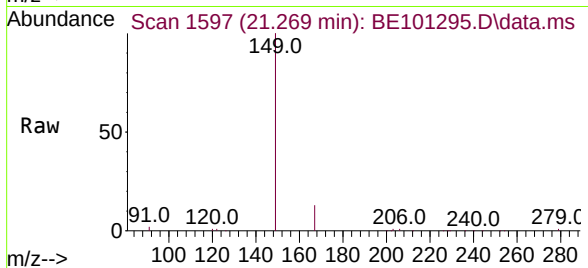




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.44 ng
 RT: 21.269 min Scan# 1597
 Delta R.T. -0.000 min
 Lab File: BE101295.D
 Acq: 13 Apr 2021 15:50

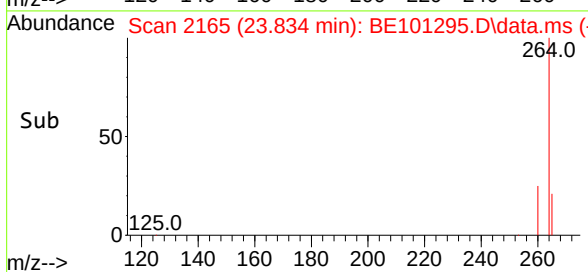
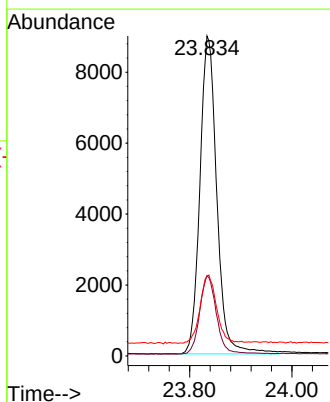
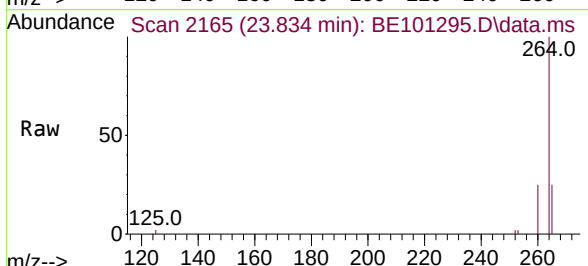
Instrument :
 BNA_E
 ClientSampleId :

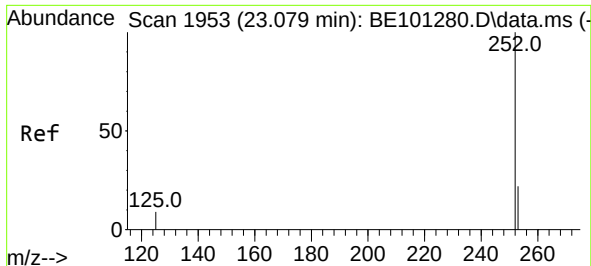
Tgt Ion:	149	Resp:	38200
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.5	8.3
279	1.1	1.0	1.4



#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.834 min Scan# 2165
 Delta R.T. -0.008 min
 Lab File: BE101295.D
 Acq: 13 Apr 2021 15:50

Tgt Ion:	264	Resp:	20543
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.3	28.9
265	25.0	22.4	33.6

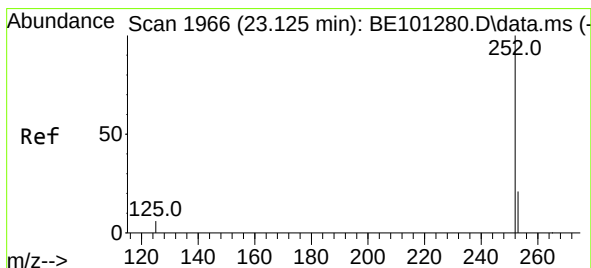
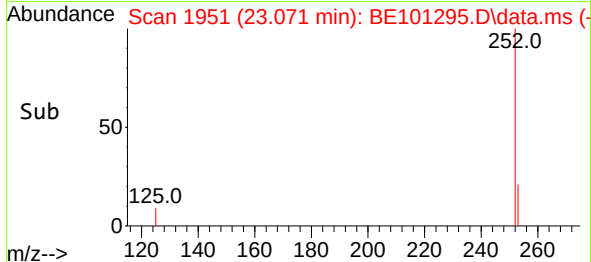
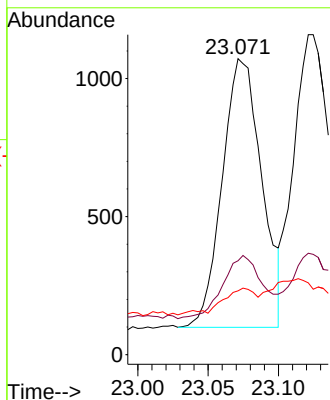
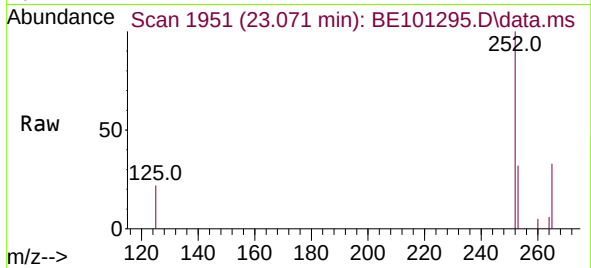




#37
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 23.071 min Scan# 1951
Delta R.T. -0.008 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

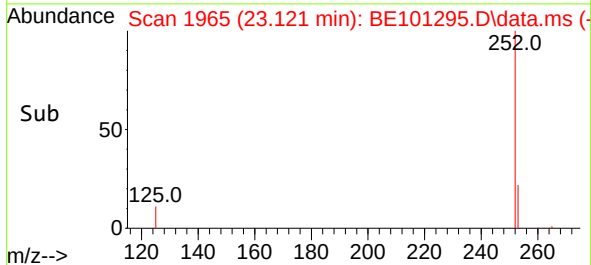
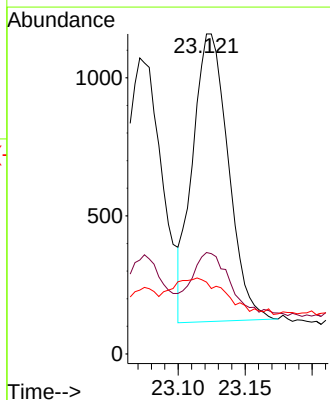
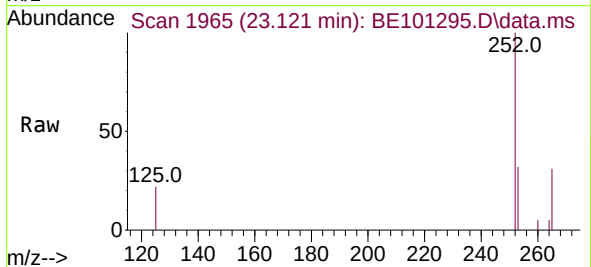
Instrument :
BNA_E
ClientSampleId :

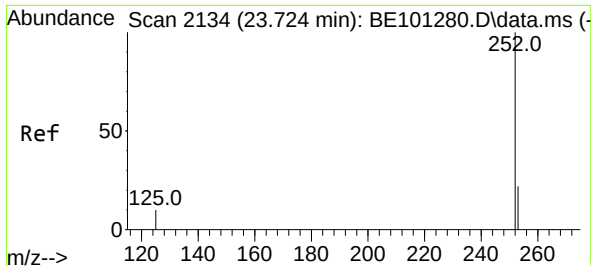
Tgt Ion:252 Resp: 1899
Ion Ratio Lower Upper
252 100
253 31.7 18.1 27.1#
125 21.5 7.6 11.4#



#38
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 23.121 min Scan# 1965
Delta R.T. -0.004 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Tgt Ion:252 Resp: 1930
Ion Ratio Lower Upper
252 100
253 31.7 17.8 26.6#
125 22.4 7.6 11.4#





#39

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.723 min Scan# 2134

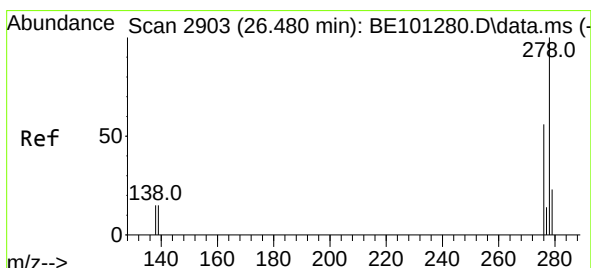
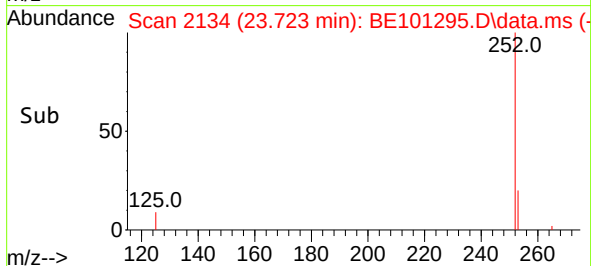
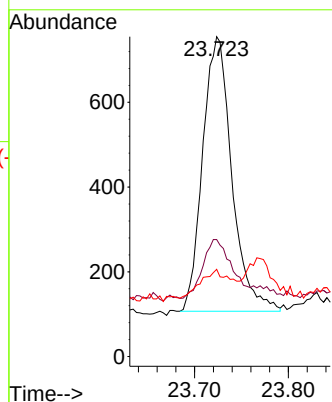
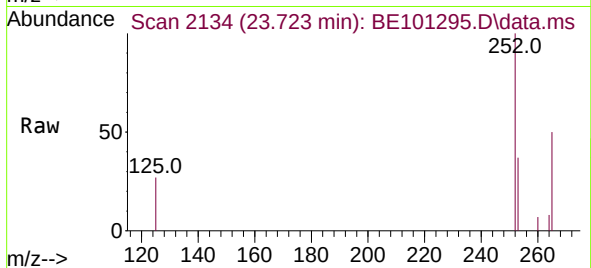
Delta R.T. -0.001 min

Lab File: BE101295.D

Acq: 13 Apr 2021 15:50

Tgt Ion:	252	Resp:	1401
Ion Ratio	Lower	Upper	
252	100		
253	36.6	18.0	27.0#
125	27.3	8.0	12.0#

Instrument :
BNA_E
ClientSampleId :



#40

Dibenzo(a,h)anthracene

Concen: 0.03 ng

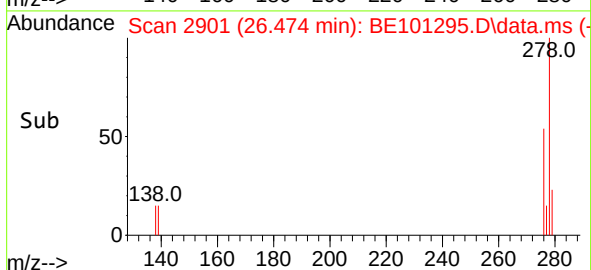
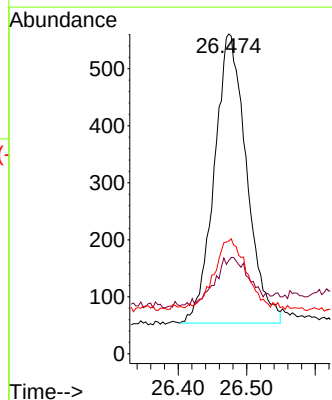
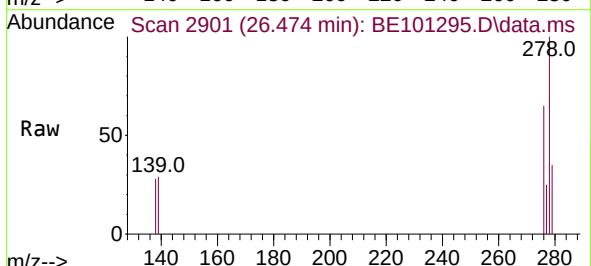
RT: 26.474 min Scan# 2901

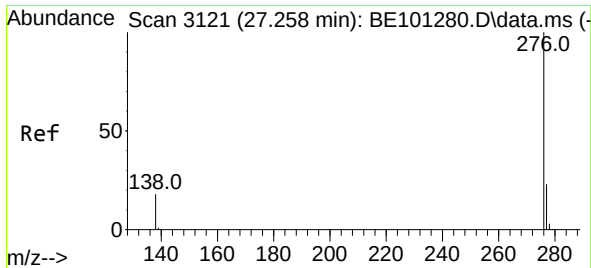
Delta R.T. -0.006 min

Lab File: BE101295.D

Acq: 13 Apr 2021 15:50

Tgt Ion:	278	Resp:	1654
Ion Ratio	Lower	Upper	
278	100		
139	29.2	12.2	18.2#
279	35.3	19.3	28.9#





#41
Benzo(g,h,i)perylene
Concen: 0.03 ng
RT: 27.248 min Scan# 3118
Delta R.T. -0.010 min
Lab File: BE101295.D
Acq: 13 Apr 2021 15:50

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 1702
Ion Ratio Lower Upper
276 100
277 31.0 19.4 29.0#
138 29.9 15.2 22.8#

