

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE041221\
 Data File : BE101287.D
 Acq On : 12 Apr 2021 19:57
 Operator : CG/JU
 Sample : M1966-03DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-110RRDL

Quant Time: Apr 13 01:45:58 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

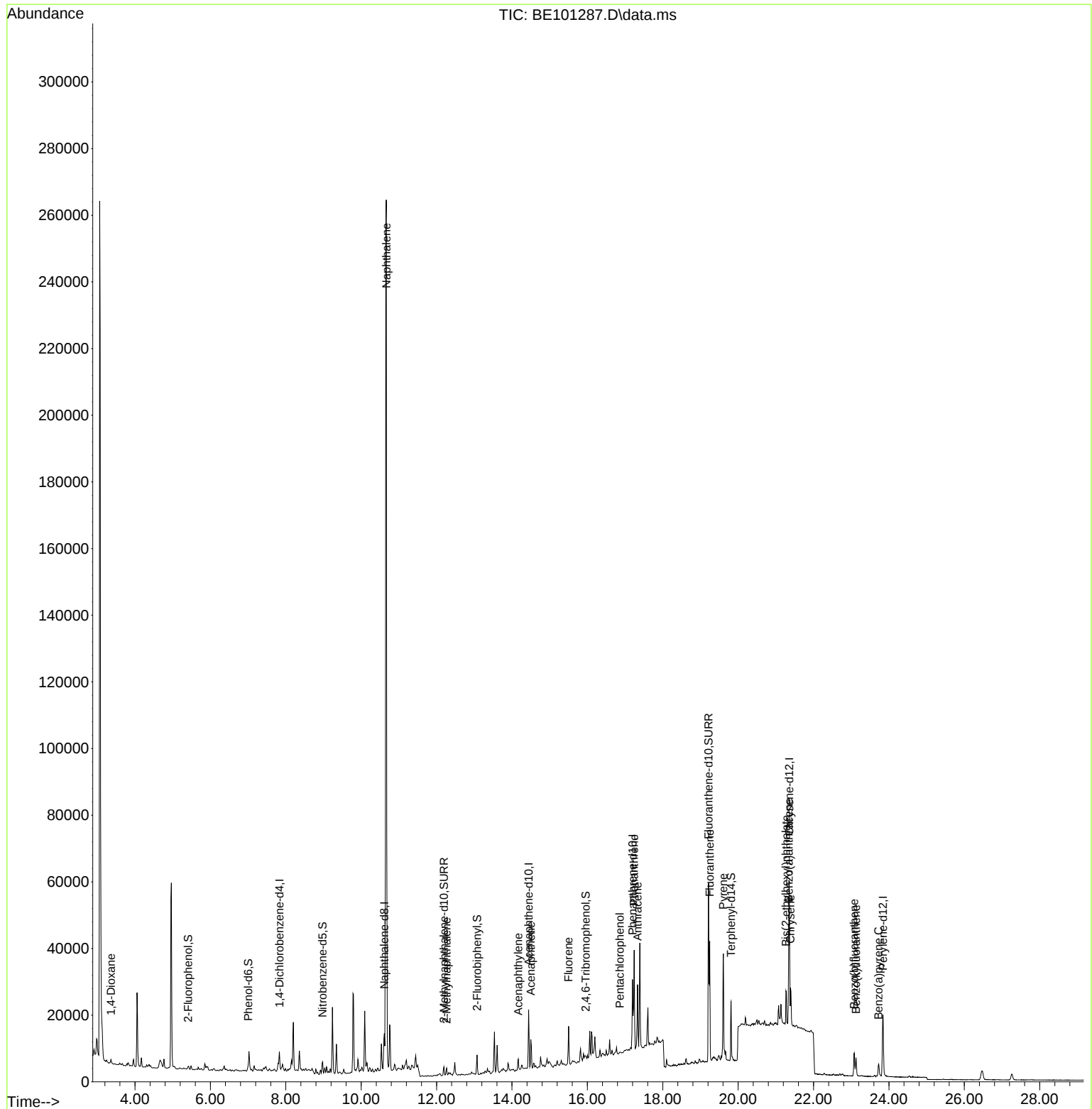
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.830	152	2510	0.40	ng	0.00
7) Naphthalene-d8	10.614	136	12596	0.40	ng	0.00
13) Acenaphthene-d10	14.442	164	10133	0.40	ng	0.00
19) Phenanthrene-d10	17.196	188	27886	0.40	ng	# 0.00
29) Chrysene-d12	21.353	240	38915	0.40	ng	0.00
36) Perylene-d12	23.841	264	27897	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.412	112	973	0.13	ng	-0.02
5) Phenol-d6	7.001	99	381	0.03	ng	0.00
8) Nitrobenzene-d5	8.978	82	1705	0.15	ng	0.00
11) 2-Methylnaphthalene-d10	12.195	152	3321	0.11	ng	0.00
14) 2,4,6-Tribromophenol	15.957	330	400	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.073	172	4993	0.14	ng	0.00
27) Fluoranthene-d10	19.216	212	70437	0.14	ng	0.00
31) Terphenyl-d14	19.813	244	16813	0.18	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.362	88	431	0.10	ng	# 1
9) Naphthalene	10.666	128	476488	3.50	ng	100
12) 2-Methylnaphthalene	12.267	142	1644	0.07	ng	# 94
16) Acenaphthylene	14.168	152	3549	0.09	ng	# 87
17) Acenaphthene	14.500	154	5290	0.18	ng	98
18) Fluorene	15.503	166	8093	0.21	ng	# 97
24) Pentachlorophenol	16.864	266	146	0.34	ng	# 87
25) Phenanthrene	17.242	178	30060	0.37	ng	# 94
26) Anthracene	17.332	178	19172	0.26	ng	# 82
28) Fluoranthene	19.245	202	31492	0.30	ng	99
30) Pyrene	19.606	202	27533	0.22	ng	98
32) Benzo(a)anthracene	21.341	228	13825	0.11	ng	95
33) Chrysene	21.390	228	11585	0.09	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.269	149	14660	0.09	ng	100
37) Benzo(b)fluoranthene	23.078	252	9725	0.10	ng	# 88
38) Benzo(k)fluoranthene	23.128	252	7742	0.08	ng	# 85
39) Benzo(a)pyrene	23.727	252	6419	0.08	ng	# 83

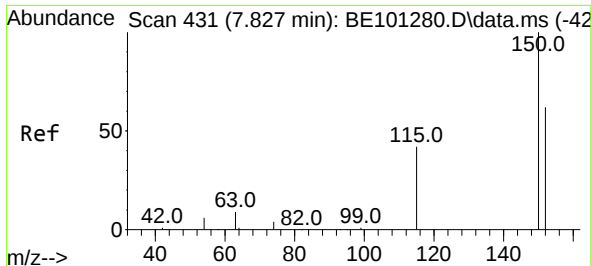
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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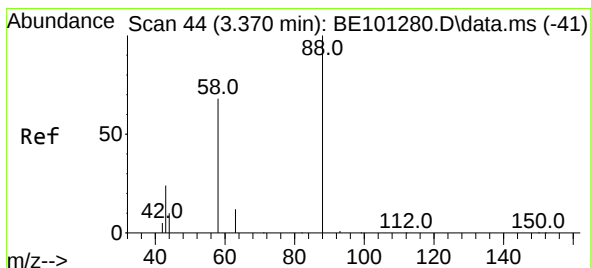
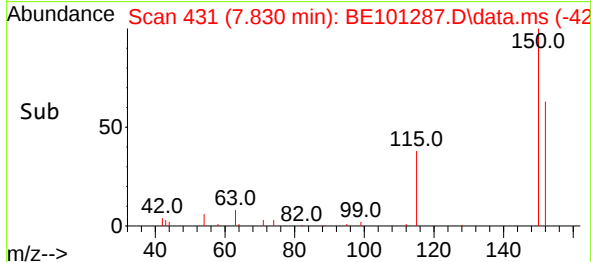
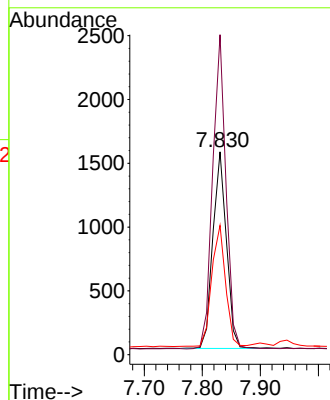
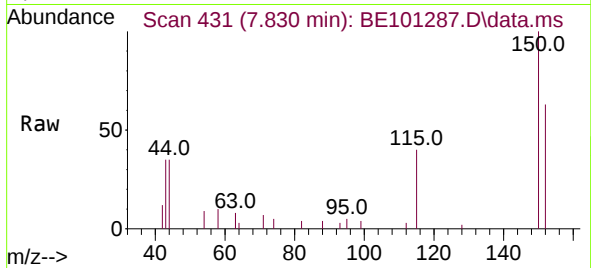




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.830 min Scan# 431
 Delta R.T. 0.003 min
 Lab File: BE101287.D
 Acq: 12 Apr 2021 19:57

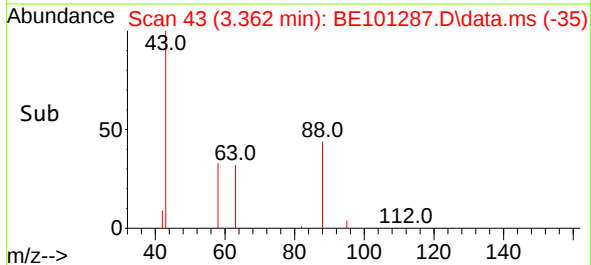
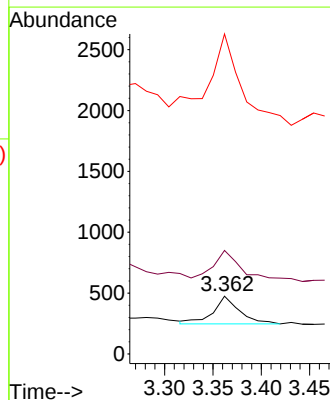
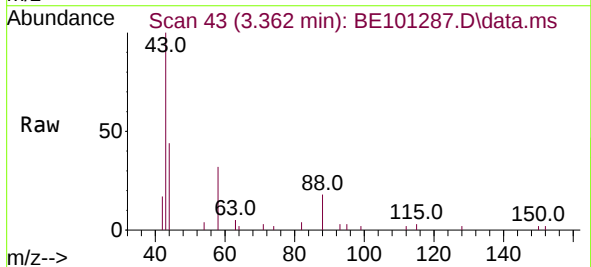
Instrument :
 BNA_E
 ClientSampleId :
 MW-110RRDL

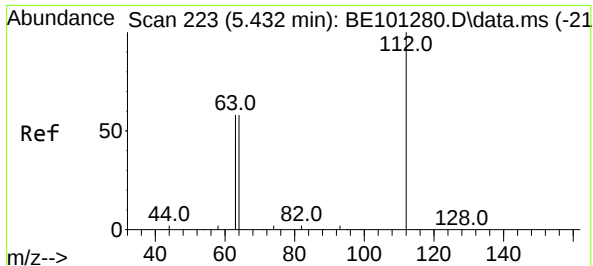
Tgt Ion:	152	Resp:	2510
Ion	Ratio	Lower	Upper
152	100		
150	157.7	116.9	175.3
115	63.8	44.5	66.7



#2
 1,4-Dioxane
 Concen: 0.10 ng
 RT: 3.362 min Scan# 43
 Delta R.T. -0.009 min
 Lab File: BE101287.D
 Acq: 12 Apr 2021 19:57

Tgt Ion:	88	Resp:	431
Ion	Ratio	Lower	Upper
88	100		
58	93.7	73.6	110.4
43	371.5	27.6	41.4#

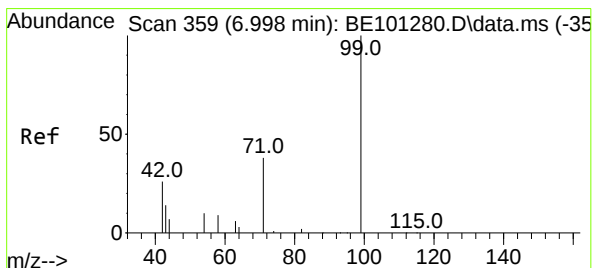
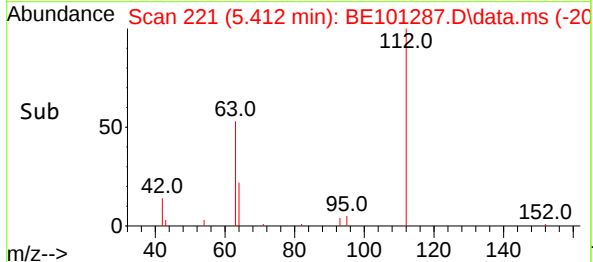
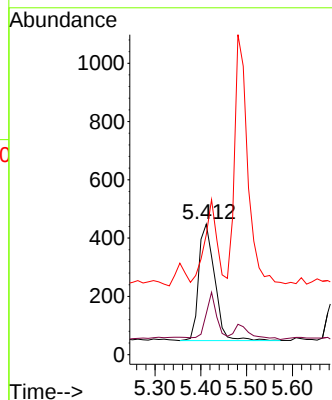
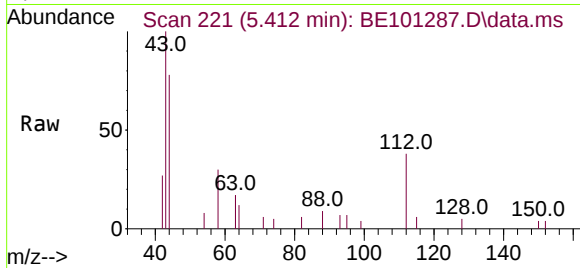




#4
2-Fluorophenol
Concen: 0.13 ng
RT: 5.412 min Scan# 221
Delta R.T. -0.020 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

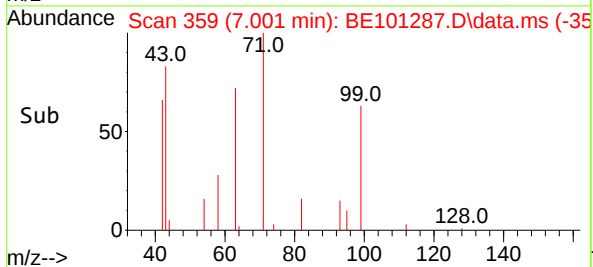
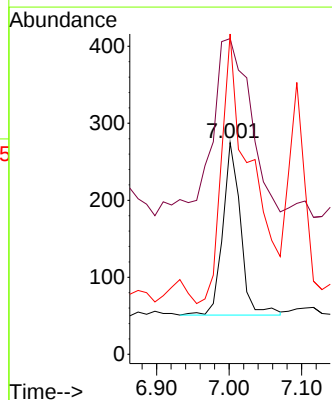
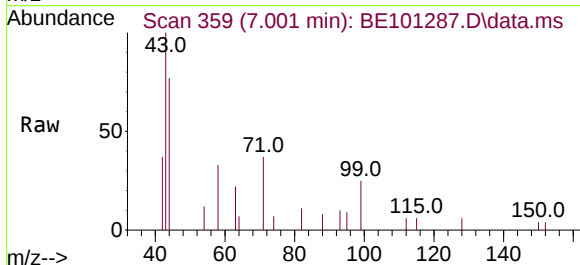
Instrument :
BNA_E
ClientSampled :
MW-110RRDL

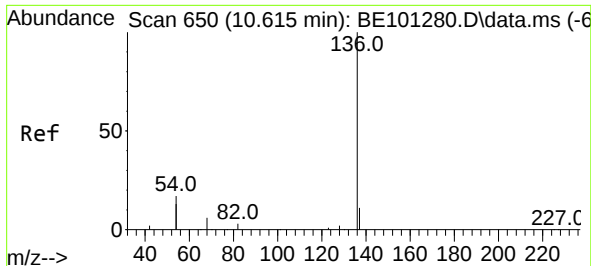
Tgt Ion: 112 Resp: 973
Ion Ratio Lower Upper
112 100
64 26.3 62.3 93.5#
63 57.1 117.3 175.9#



#5
Phenol-d6
Concen: 0.03 ng
RT: 7.001 min Scan# 359
Delta R.T. 0.003 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion: 99 Resp: 381
Ion Ratio Lower Upper
99 100
42 205.2 18.5 27.7#
71 257.2 26.5 39.7#

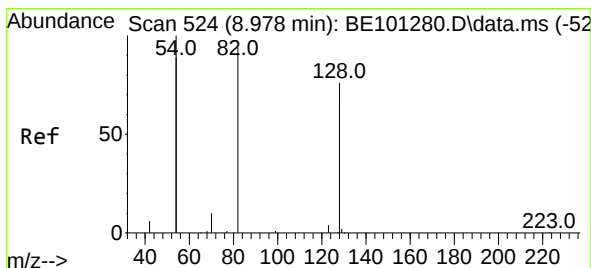
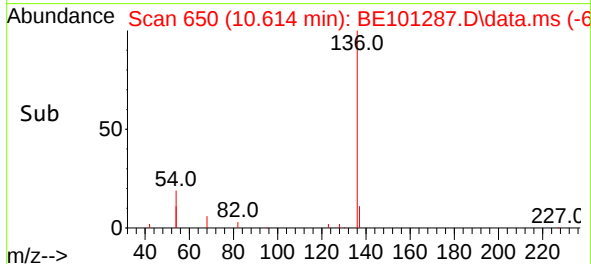
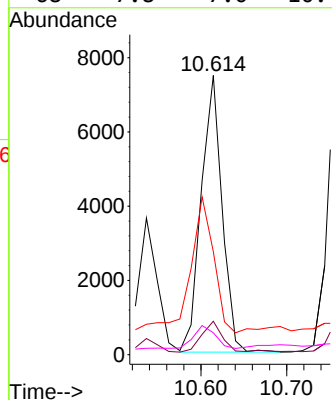
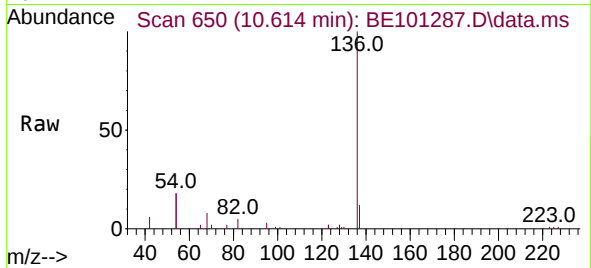




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.614 min Scan# 650
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

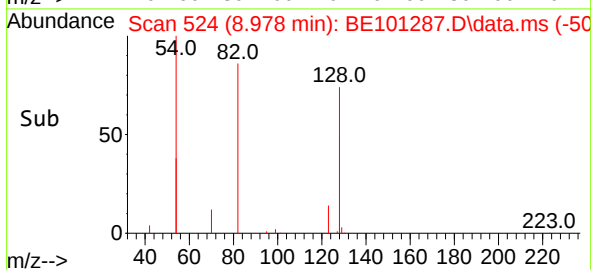
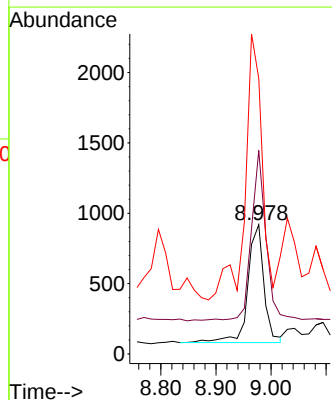
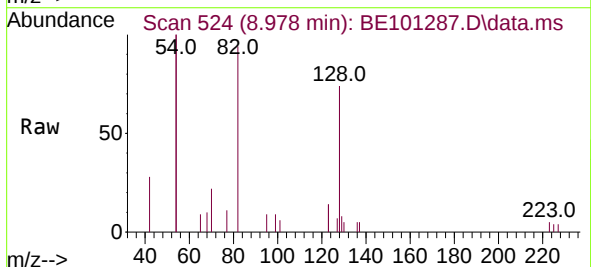
Instrument :
BNA_E
ClientSampleId :
MW-110RRDL

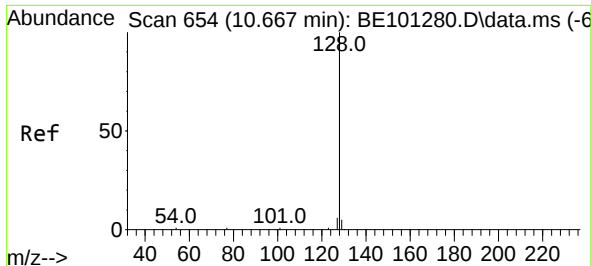
Tgt Ion:	136	Resp:	12596
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.6	13.0
54	36.9	34.7	52.1
68	7.8	7.0	10.4



#8
Nitrobenzene-d5
Concen: 0.15 ng
RT: 8.978 min Scan# 524
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion:	82	Resp:	1705
Ion	Ratio	Lower	Upper
82	100		
128	157.3	118.7	178.1
54	213.1	164.4	246.6

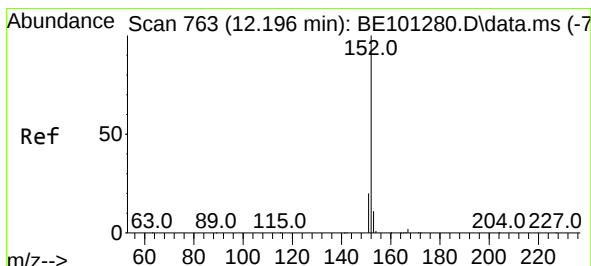
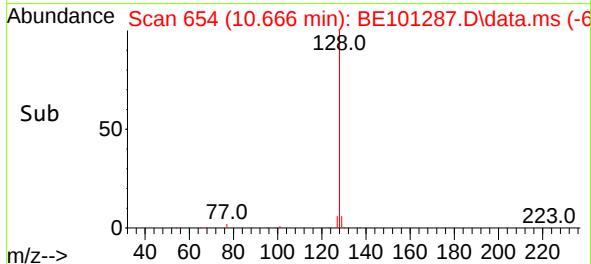
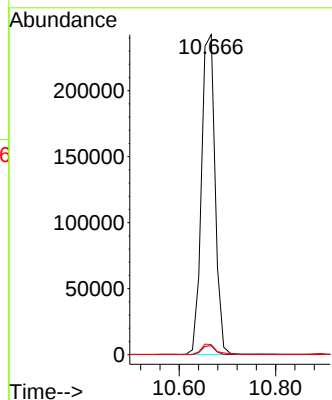
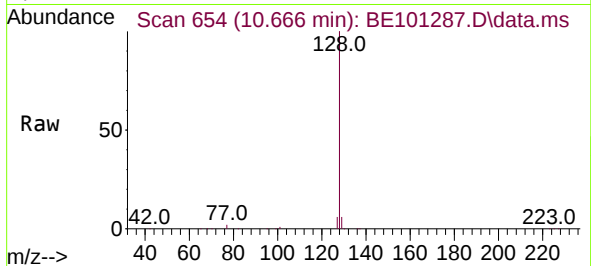




#9
Naphthalene
Concen: 3.50 ng
RT: 10.666 min Scan# 654
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

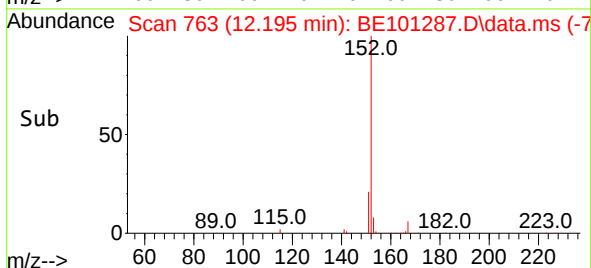
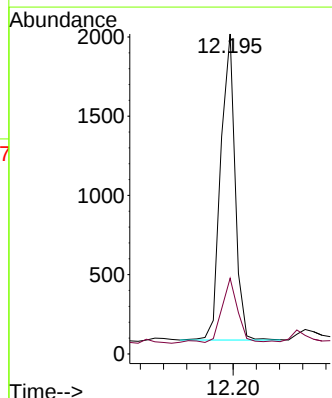
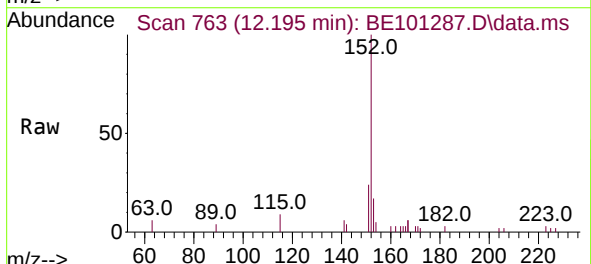
Instrument :
BNA_E
ClientSampleId :
MW-110RRDL

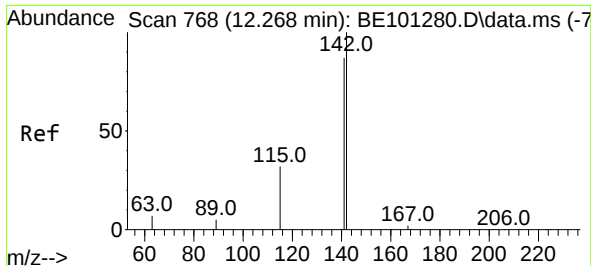
Tgt Ion:128 Resp: 476488
Ion Ratio Lower Upper
128 100
129 2.8 2.2 3.4
127 3.1 2.6 3.8



#11
2-Methylnaphthalene-d10
Concen: 0.11 ng
RT: 12.195 min Scan# 763
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion:152 Resp: 3321
Ion Ratio Lower Upper
152 100
151 24.6 16.5 24.7





#12

2-Methylnaphthalene

Concen: 0.07 ng

RT: 12.267 min Scan# 768

Delta R.T. -0.001 min

Lab File: BE101287.D

Acq: 12 Apr 2021 19:57

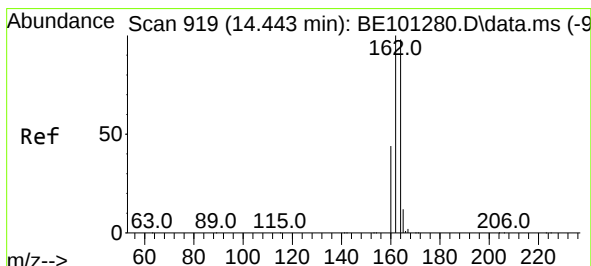
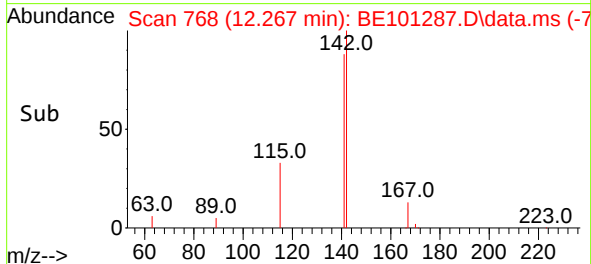
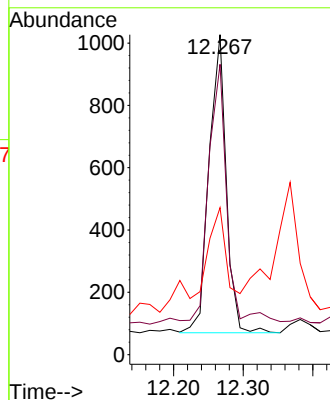
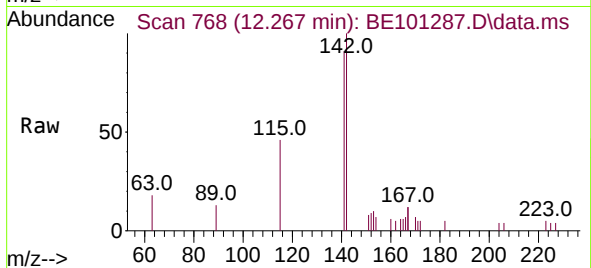
Instrument :

BNA_E

ClientSampleId :

MW-110RRDL

Tgt Ion:	142	Resp:	1644
Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.0	109.6
115	46.0	27.8	41.8



#13

Acenaphthene-d10

Concen: 0.40 ng

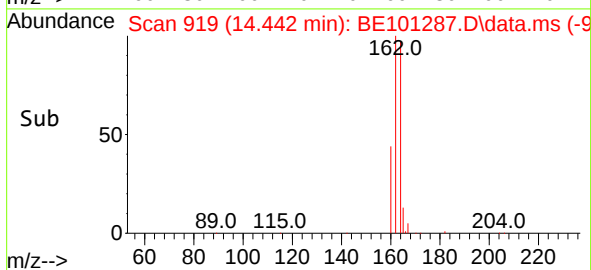
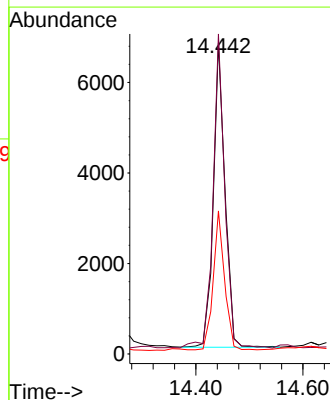
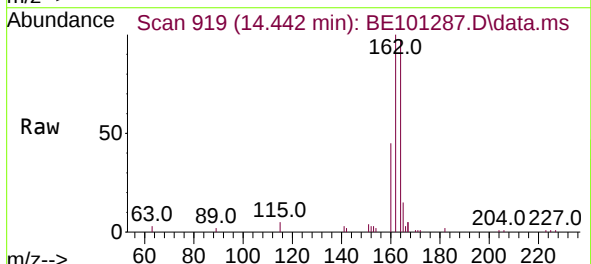
RT: 14.442 min Scan# 919

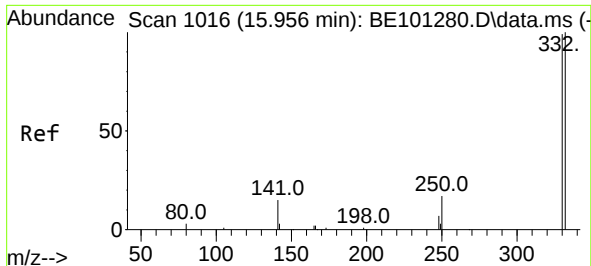
Delta R.T. -0.001 min

Lab File: BE101287.D

Acq: 12 Apr 2021 19:57

Tgt Ion:	164	Resp:	10133
Ion	Ratio	Lower	Upper
164	100		
162	102.9	85.3	127.9
160	46.0	39.1	58.7

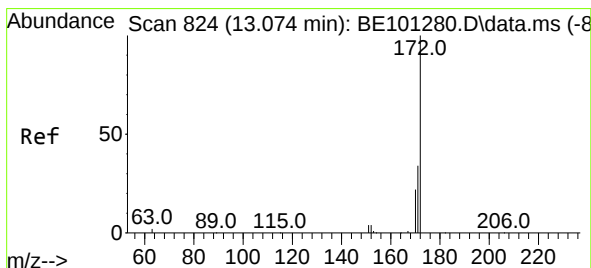
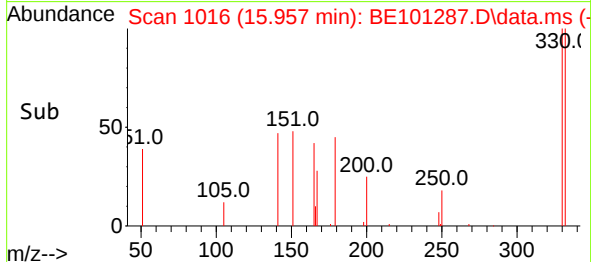
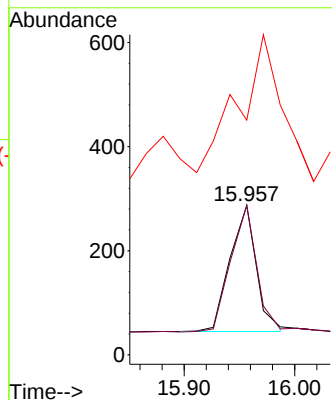
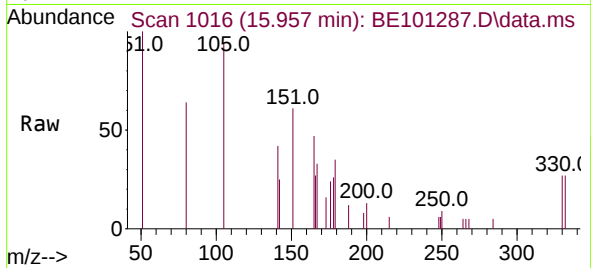




#14
2,4,6-Tribromophenol
Concen: 0.13 ng
RT: 15.957 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

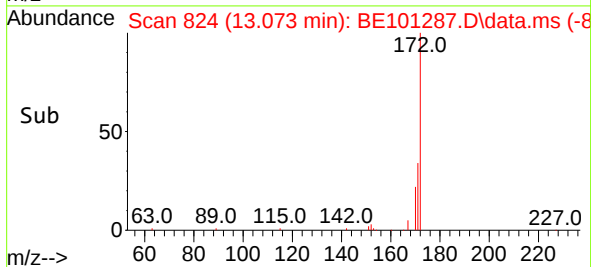
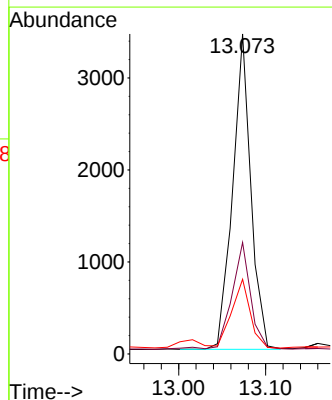
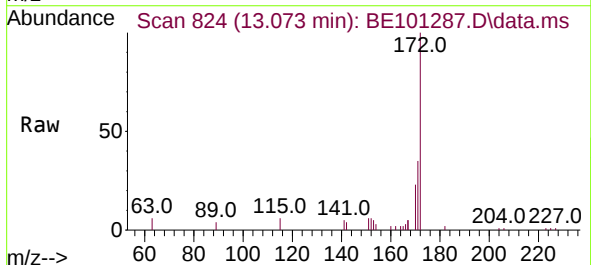
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MW-110RRDL

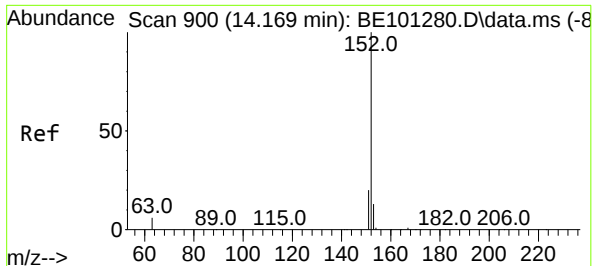
Tgt Ion: 330 Resp: 400
Ion Ratio Lower Upper
330 100
332 99.8 77.8 116.6
141 160.3 30.4 45.6#



#15
2-Fluorobiphenyl
Concen: 0.14 ng
RT: 13.073 min Scan# 824
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion: 172 Resp: 4993
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.4 19.3 28.9





#16

Acenaphthylene

Concen: 0.09 ng

RT: 14.168 min Scan# 900

Delta R.T. -0.001 min

Lab File: BE101287.D

Acq: 12 Apr 2021 19:57

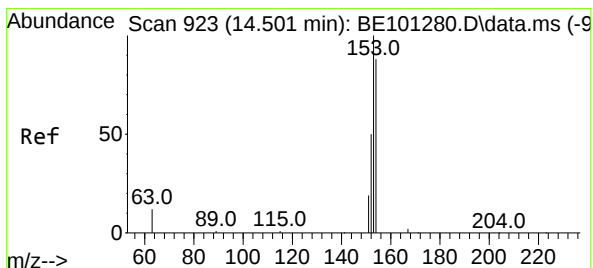
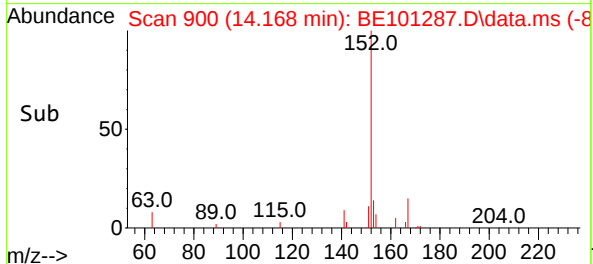
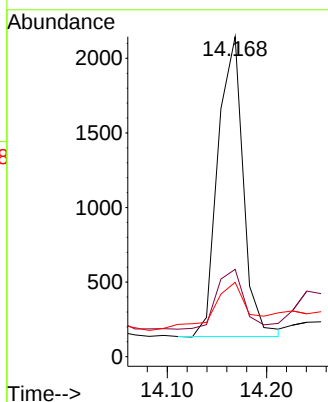
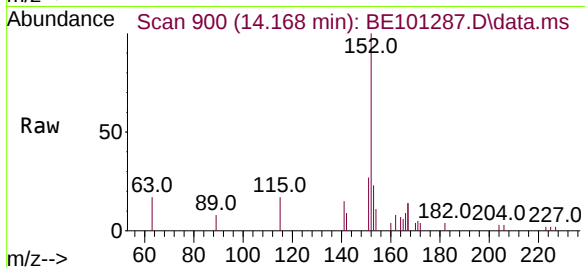
Tgt Ion:	152	Resp:	3549
Ion Ratio	Lower	Upper	
152	100		
151	21.5	15.4	23.2
153	22.5	10.0	15.0

Instrument :

BNA_E

ClientSampleId :

MW-110RRDL



#17

Acenaphthene

Concen: 0.18 ng

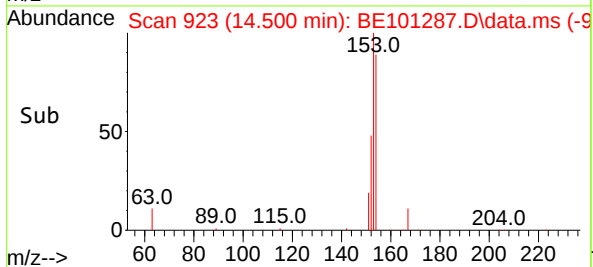
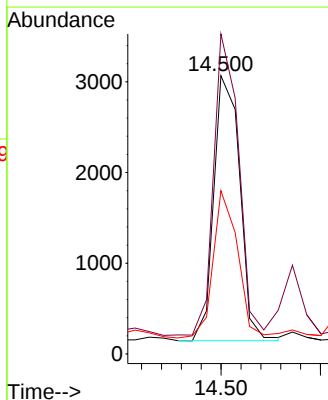
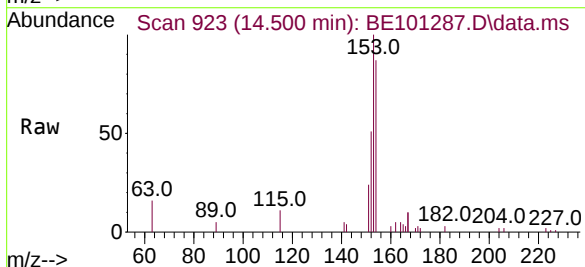
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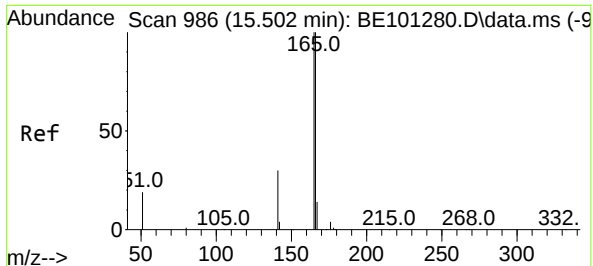
Delta R.T. -0.001 min

Lab File: BE101287.D

Acq: 12 Apr 2021 19:57

Tgt Ion:	154	Resp:	5290
Ion Ratio	Lower	Upper	
154	100		
153	108.9	84.9	127.3
152	53.1	42.7	64.1

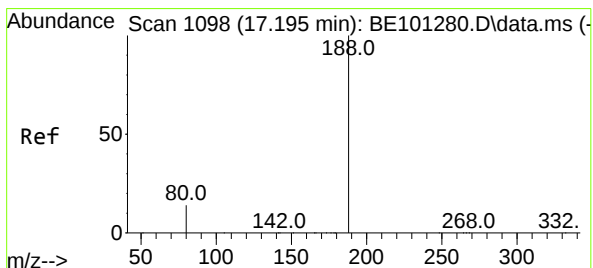
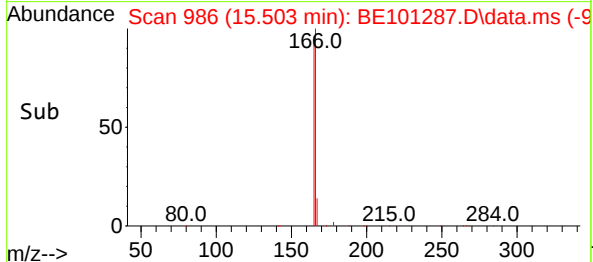
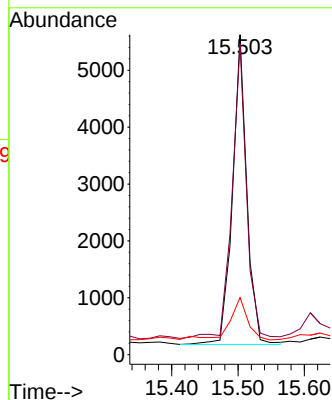
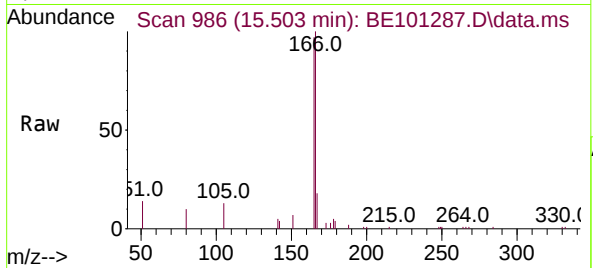




#18
Fluorene
Concen: 0.21 ng
RT: 15.503 min Scan# 986
Delta R.T. 0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

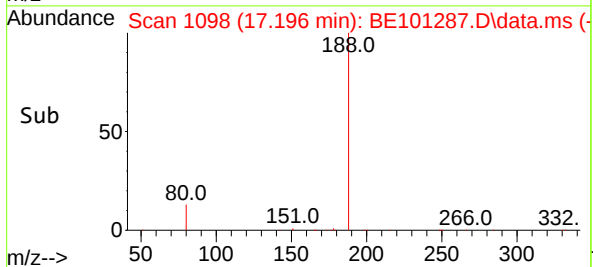
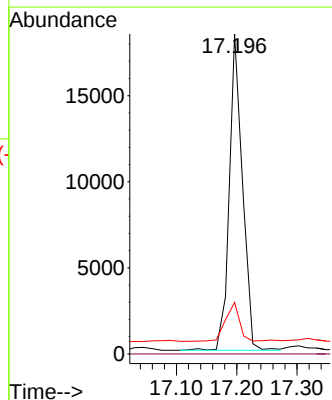
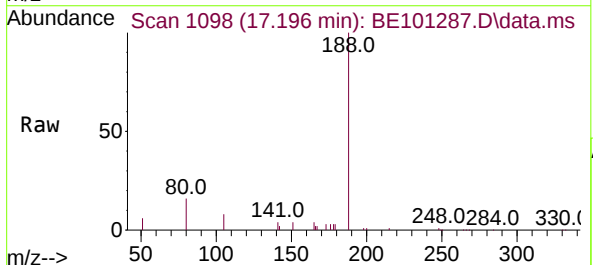
Instrument :
BNA_E
ClientSampleId :
MW-110RRDL

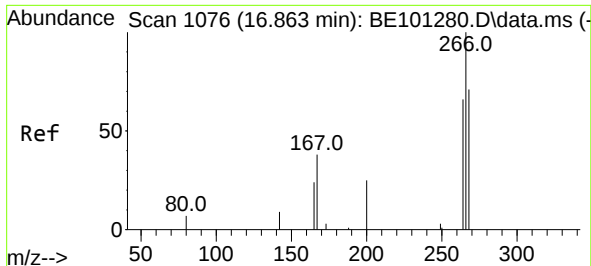
Tgt Ion:166 Resp: 8093
Ion Ratio Lower Upper
166 100
165 96.1 79.0 118.4
167 17.2 11.0 16.4#



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.196 min Scan# 1098
Delta R.T. 0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion:188 Resp: 27886
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.1 4.6 6.8#

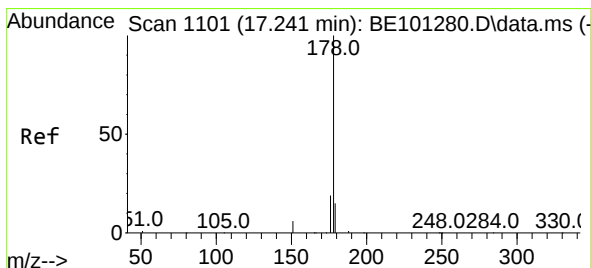
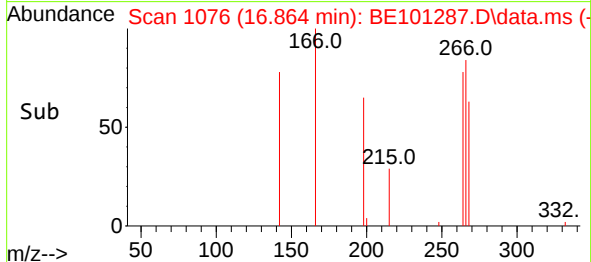
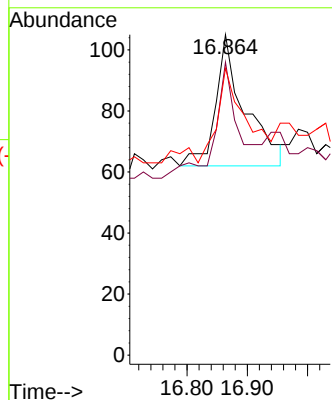
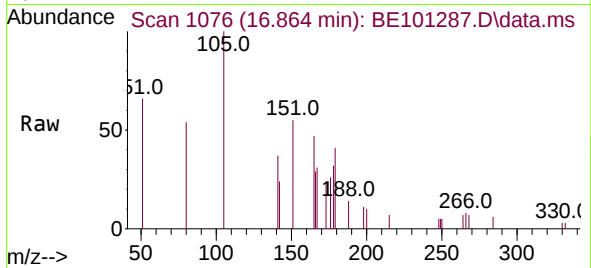




#24
Pentachlorophenol
Concen: 0.34 ng
RT: 16.864 min Scan# 1076
Delta R.T. 0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

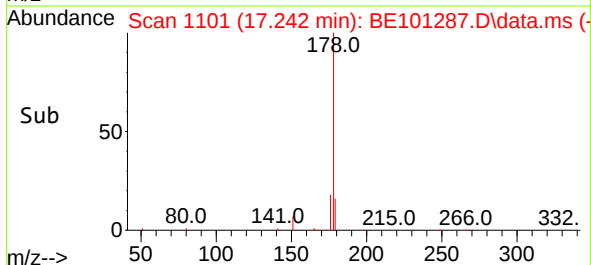
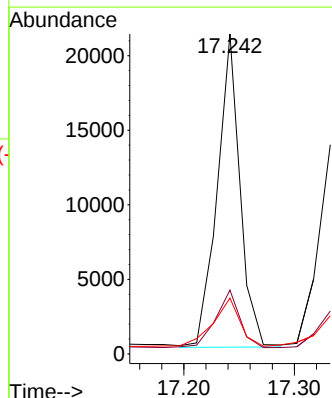
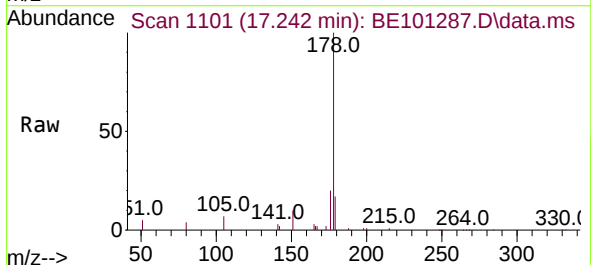
Instrument :
BNA_E
ClientSampleId :
MW-110RRDL

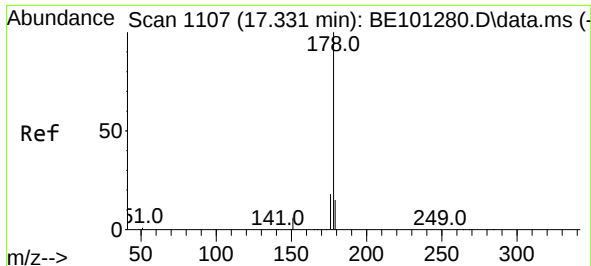
Tgt Ion:266 Resp: 146
Ion Ratio Lower Upper
266 100
264 47.3 49.1 73.7#
268 69.9 50.6 76.0



#25
Phenanthrene
Concen: 0.37 ng
RT: 17.242 min Scan# 1101
Delta R.T. 0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion:178 Resp: 30060
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.6
179 19.7 12.2 18.4#

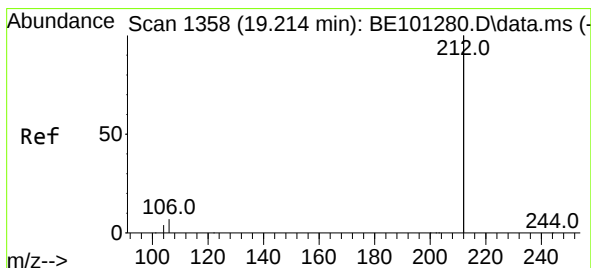
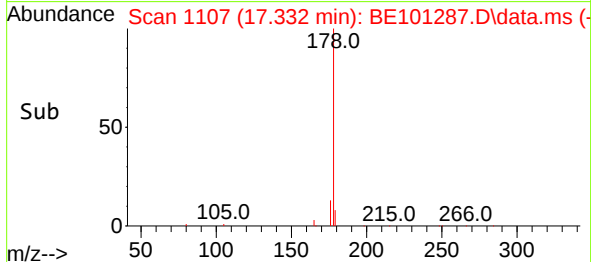
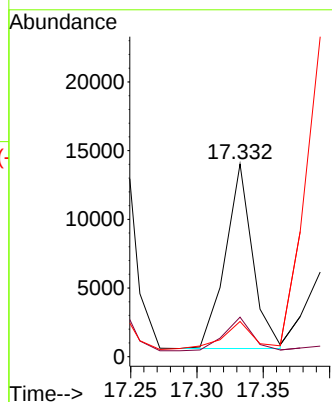
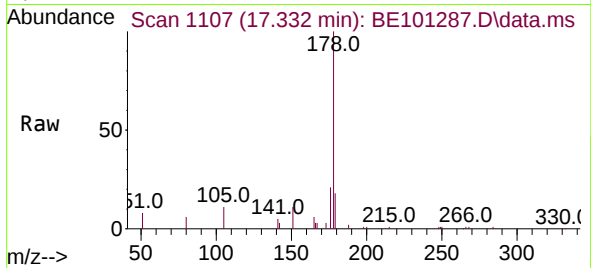




#26
 Anthracene
 Concen: 0.26 ng
 RT: 17.332 min Scan# 1107
 Delta R.T. 0.001 min
 Lab File: BE101287.D
 Acq: 12 Apr 2021 19:57

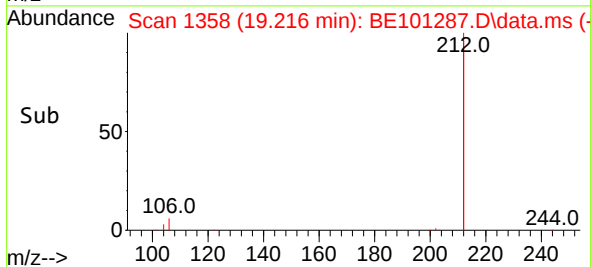
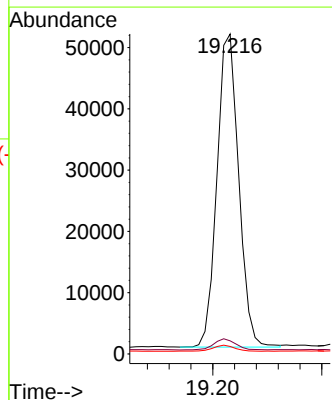
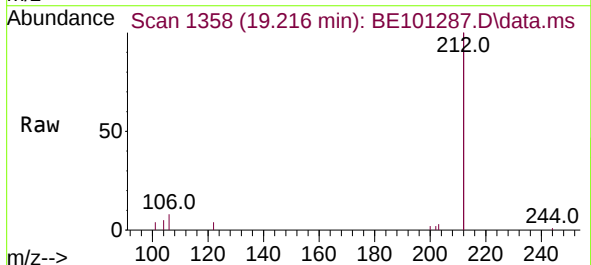
Instrument :
 BNA_E
 ClientSampleId :
 MW-110RRDL

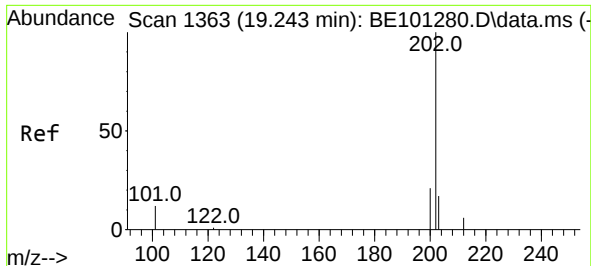
Tgt Ion:178 Resp: 19172
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.4 21.6
 179 0.0 11.8 17.8#



#27
 Fluoranthene-d10
 Concen: 0.14 ng
 RT: 19.216 min Scan# 1358
 Delta R.T. 0.002 min
 Lab File: BE101287.D
 Acq: 12 Apr 2021 19:57

Tgt Ion:212 Resp: 70437
 Ion Ratio Lower Upper
 212 100
 106 3.6 2.6 4.0
 104 2.0 1.4 2.2

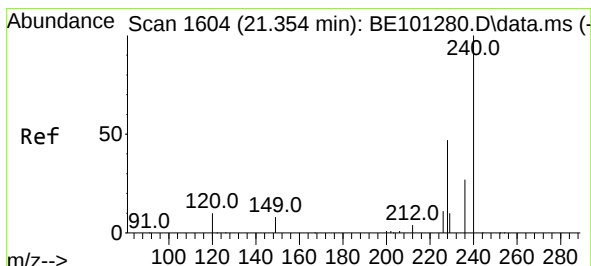
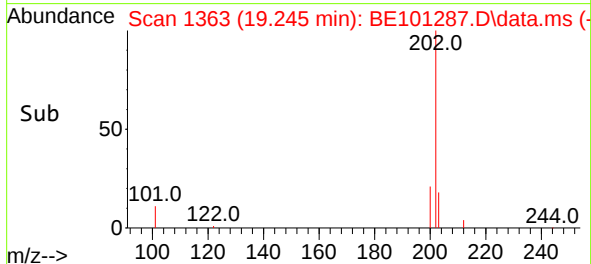
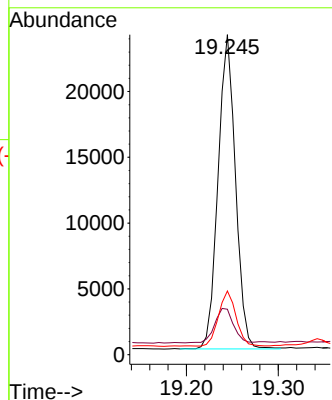
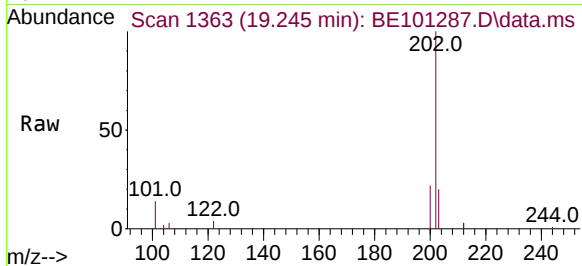




#28
Fluoranthene
Concen: 0.30 ng
RT: 19.245 min Scan# 1363
Delta R.T. 0.002 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

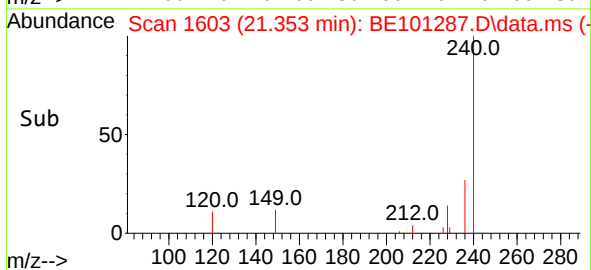
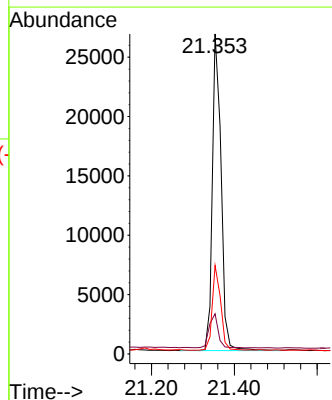
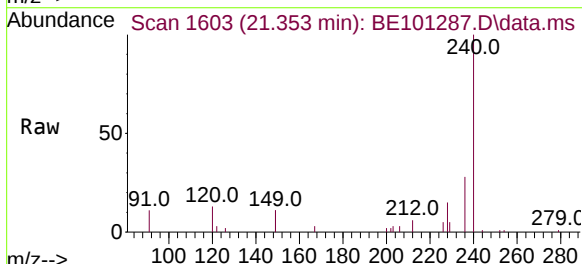
Instrument :
BNA_E
ClientSampleId :
MW-110RRDL

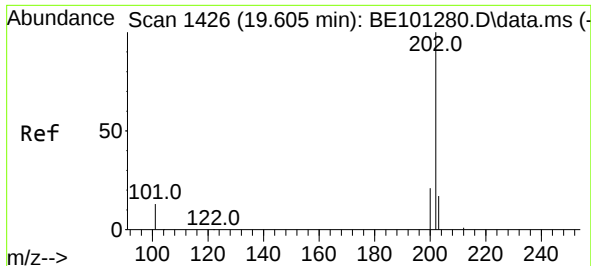
Tgt Ion:202 Resp: 31492
Ion Ratio Lower Upper
202 100
101 11.7 9.1 13.7
203 17.5 13.6 20.4



#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.353 min Scan# 1603
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion:240 Resp: 38915
Ion Ratio Lower Upper
240 100
120 12.6 10.2 15.4
236 27.7 21.7 32.5

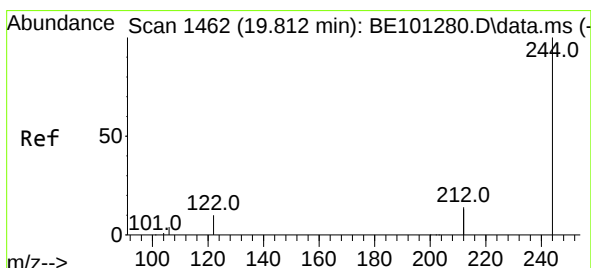
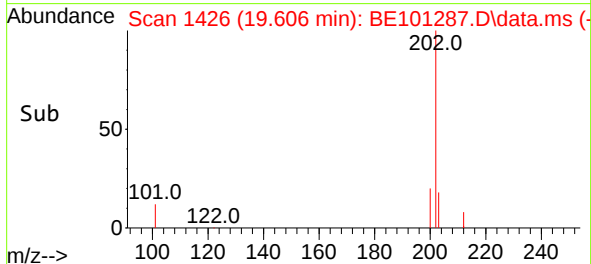
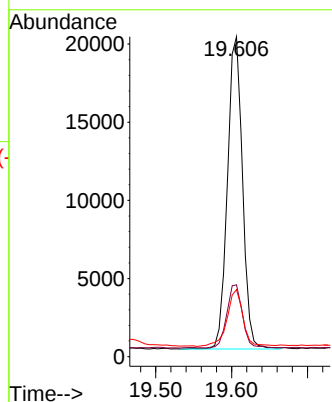
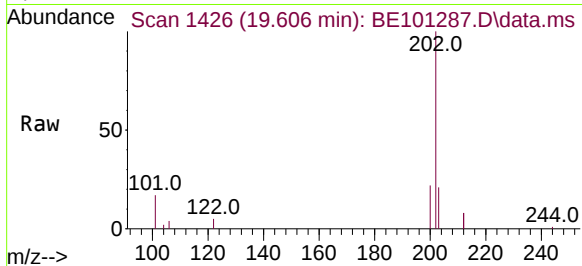




#30
Pyrene
Concen: 0.22 ng
RT: 19.606 min Scan# 1426
Delta R.T. 0.002 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

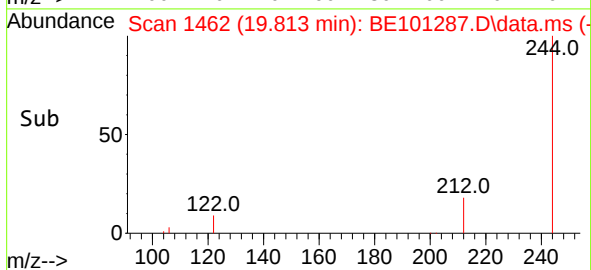
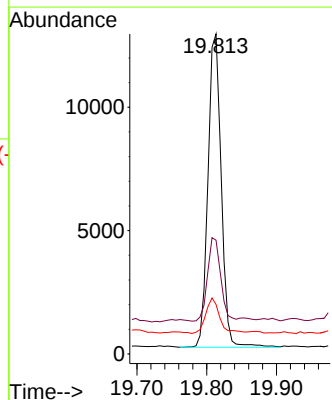
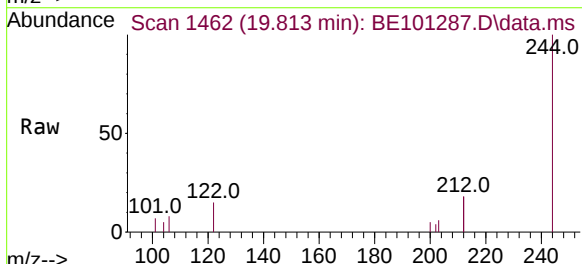
Instrument :
BNA_E
ClientSampleId :
MW-110RRDL

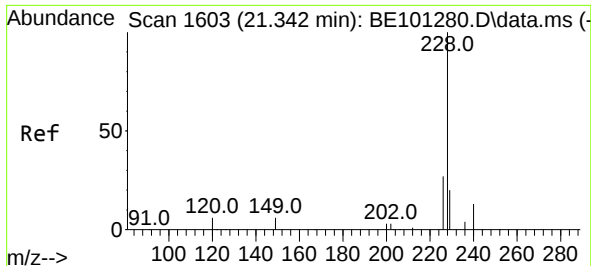
Tgt Ion:	202	Resp:	27533
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.6	24.8
203	19.4	13.8	20.8



#31
Terphenyl-d14
Concen: 0.18 ng
RT: 19.813 min Scan# 1462
Delta R.T. 0.002 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion:	244	Resp:	16813
Ion Ratio	Lower	Upper	
244	100		
212	35.6	21.9	32.9#
122	15.4	7.3	10.9#

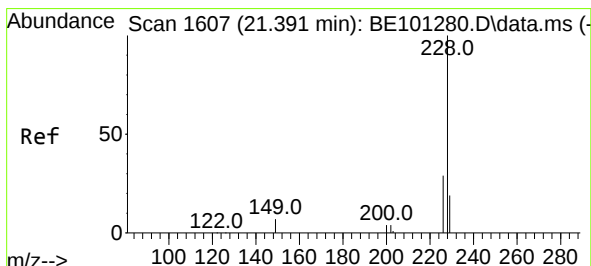
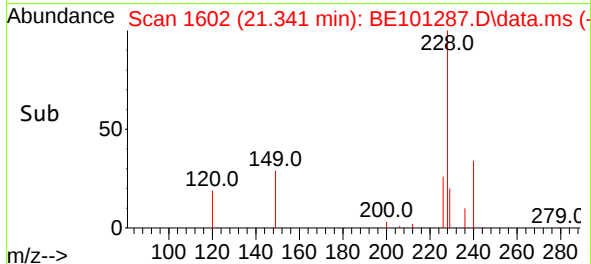
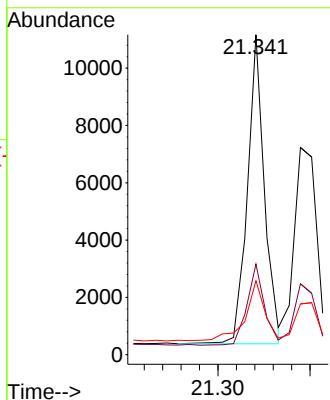
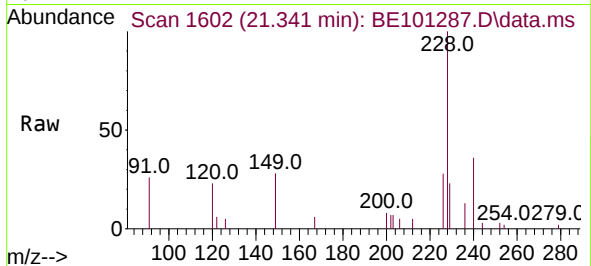




#32
Benzo(a)anthracene
Concen: 0.11 ng
RT: 21.341 min Scan# 1602
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

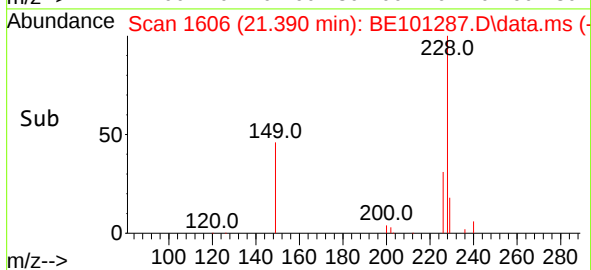
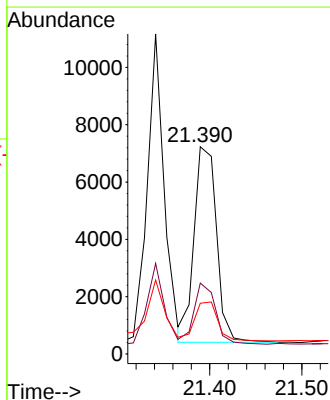
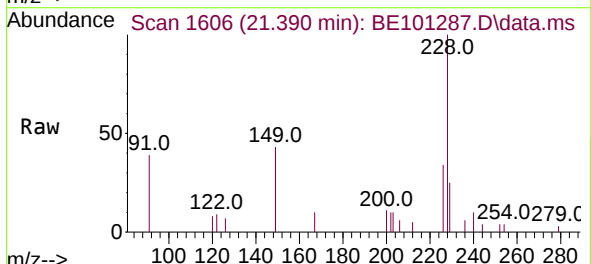
Instrument :
BNA_E
ClientSampleId :
MW-110RRDL

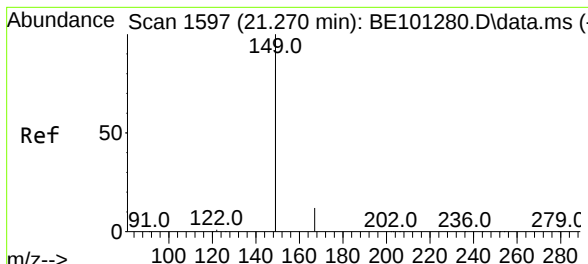
Tgt Ion:228	Resp:	13825
Ion Ratio	Lower	Upper
228	100	
226	28.3	21.4 32.2
229	23.1	15.7 23.5



#33
Chrysene
Concen: 0.09 ng
RT: 21.390 min Scan# 1606
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Tgt Ion:228	Resp:	11585
Ion Ratio	Lower	Upper
228	100	
226	34.2	24.8 37.2
229	24.5	15.2 22.8#

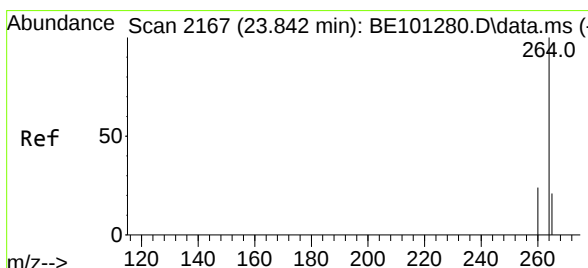
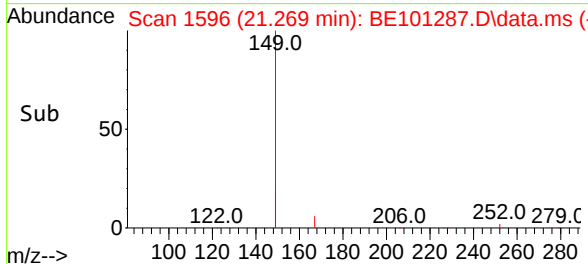
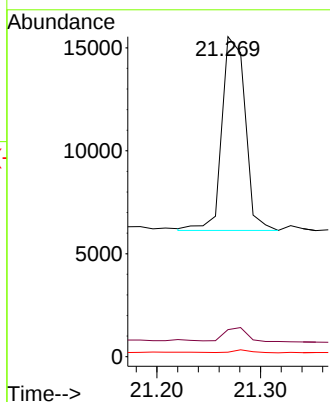
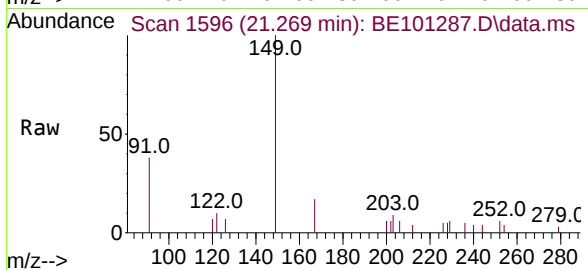




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.09 ng
 RT: 21.269 min Scan# 1596
 Delta R.T. -0.001 min
 Lab File: BE101287.D
 Acq: 12 Apr 2021 19:57

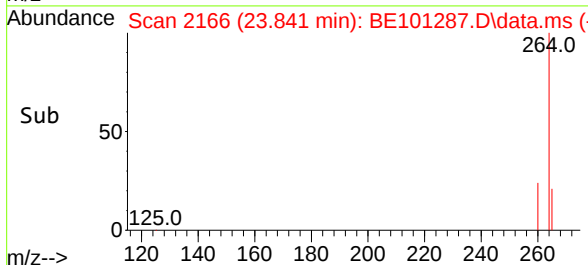
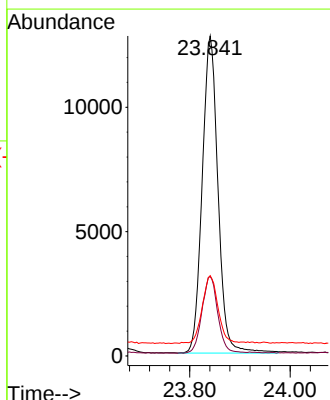
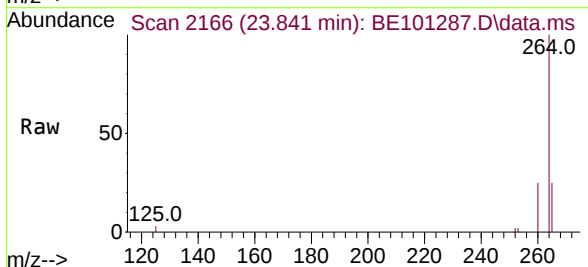
Instrument :
 BNA_E
 ClientSampleId :
 MW-110RRDL

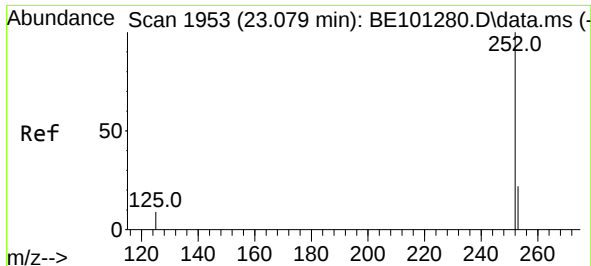
Tgt Ion:	149	Resp:	14660
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.5	8.3
279	1.3	1.0	1.4



#36
 Perylene-d12
 Concen: 0.40 ng
 RT: 23.841 min Scan# 2166
 Delta R.T. -0.001 min
 Lab File: BE101287.D
 Acq: 12 Apr 2021 19:57

Tgt Ion:	264	Resp:	27897
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.3	28.9
265	25.1	22.4	33.6

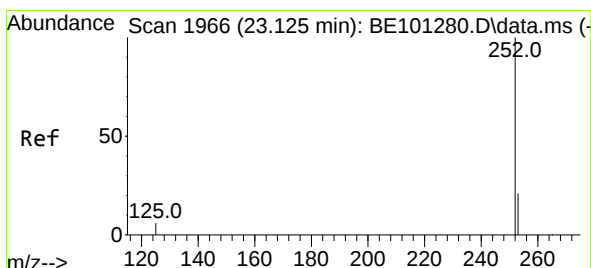
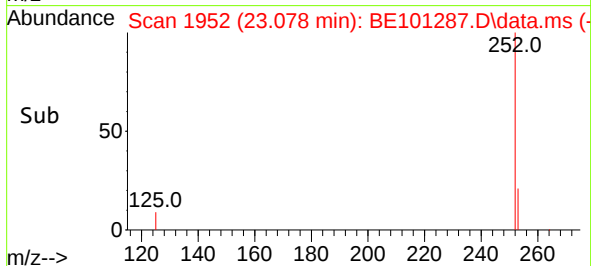
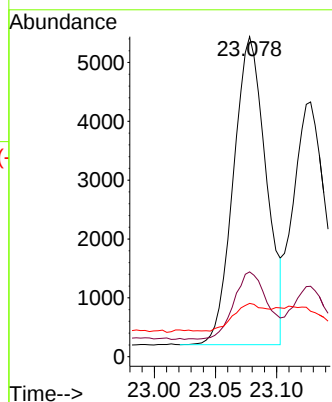
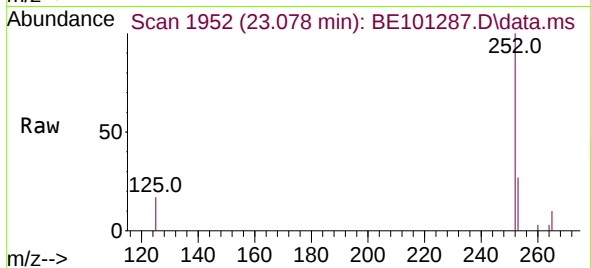




#37
Benzo(b)fluoranthene
Concen: 0.10 ng
RT: 23.078 min Scan# 1952
Delta R.T. -0.001 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

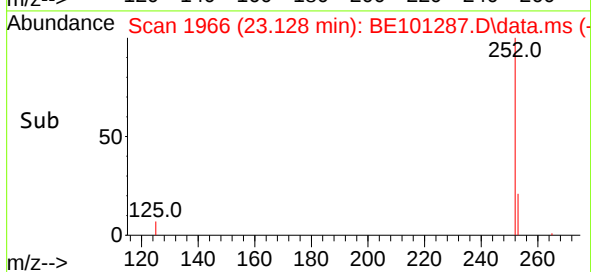
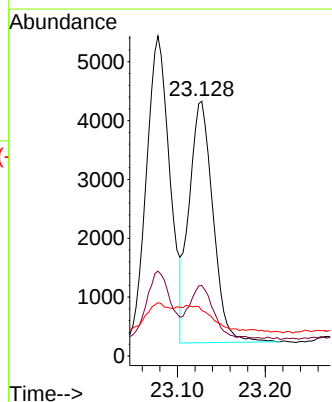
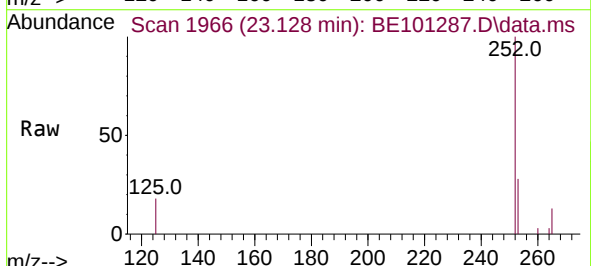
Instrument :
BNA_E
ClientSampleId :
MW-110RRDL

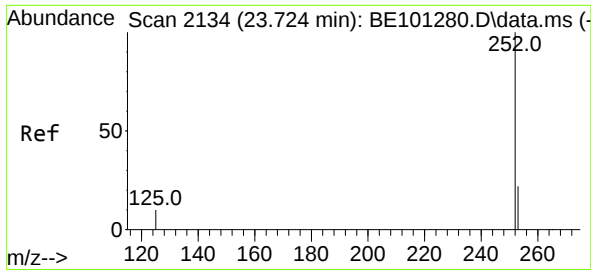
Tgt Ion:252 Resp: 9725
Ion Ratio Lower Upper
252 100
253 26.5 18.1 27.1
125 16.7 7.6 11.4#



#38
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 23.128 min Scan# 1966
Delta R.T. 0.002 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

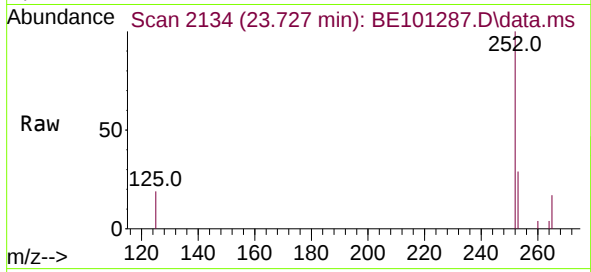
Tgt Ion:252 Resp: 7742
Ion Ratio Lower Upper
252 100
253 27.7 17.8 26.6#
125 17.9 7.6 11.4#





#39
Benzo(a)pyrene
Concen: 0.08 ng
RT: 23.727 min Scan# 2134
Delta R.T. 0.002 min
Lab File: BE101287.D
Acq: 12 Apr 2021 19:57

Instrument :
BNA_E
ClientSampleId :
MW-110RRDL



Tgt Ion:252 Resp: 6419
Ion Ratio Lower Upper
252 100
253 29.3 18.0 27.0#
125 19.2 8.0 12.0#

