

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE022019\
 Data File : BE098742.D
 Acq On : 20 Feb 2019 15:35
 Operator : JU/SJ
 Sample : K1528-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 20 18:03:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 24 14:44:44 2019
 Response via : Initial Calibration

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

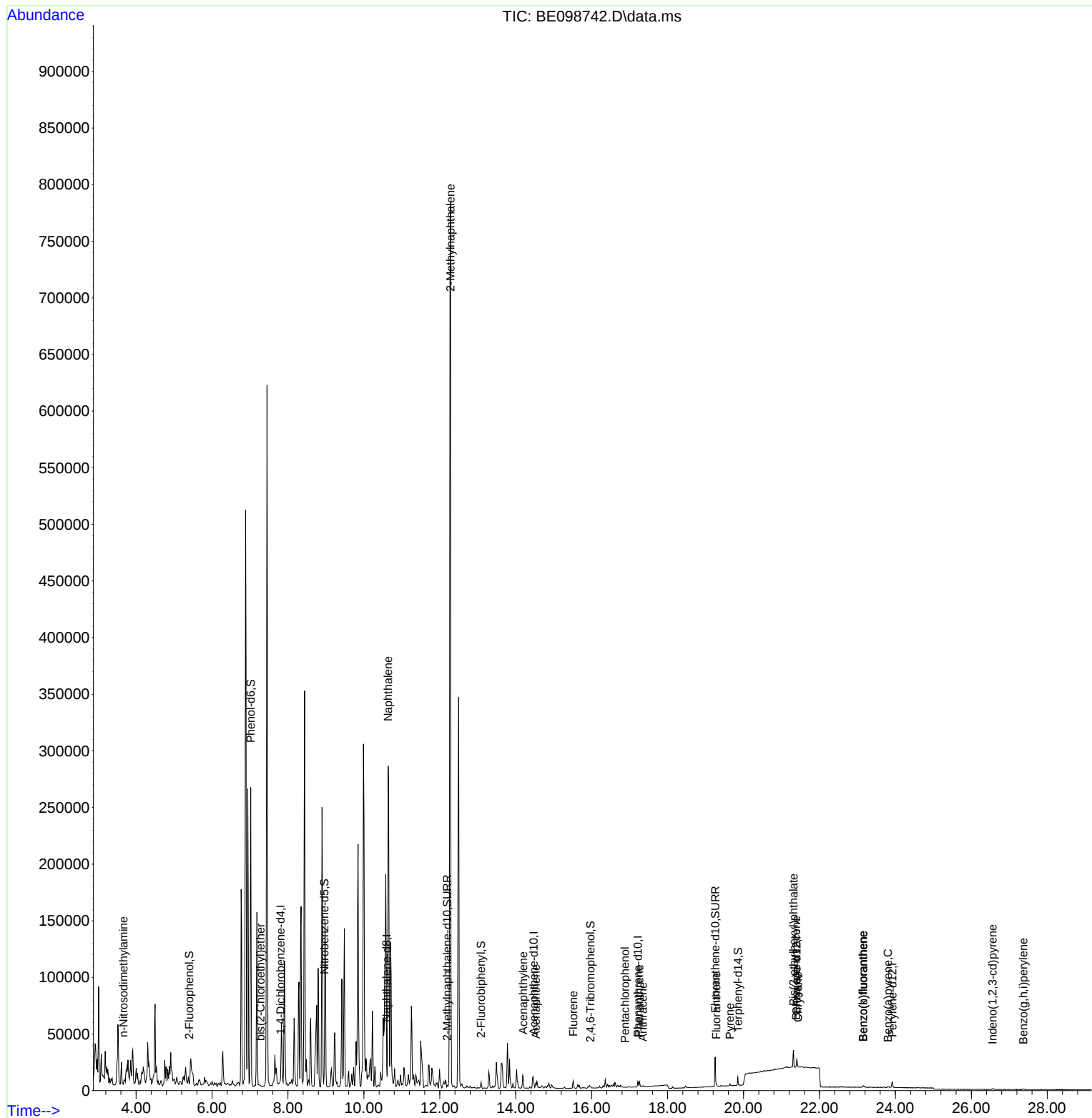
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	1181	0.40	ng	0.00
7) Naphthalene-d8	10.601	136	4837	0.40	ng	# 0.00
13) Acenaphthene-d10	14.471	164	2986	0.40	ng	0.00
19) Phenanthrene-d10	17.215	188	6438	0.40	ng	#-0.01
27) Chrysene-d12	21.402	240	7644	0.40	ng	#-0.01
34) Perylene-d12	23.919	264	7225	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.398	112	752	0.22	ng	0.00
5) Phenol-d6	7.022	99	1388	0.27	ng	0.02
8) Nitrobenzene-d5	8.964	82	1941	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.194	152	3127	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.970	330	677	0.51	ng	-0.01
15) 2-Fluorobiphenyl	13.088	172	4734	0.37	ng	-0.02
25) Fluoranthene-d10	19.254	212	35795	0.39	ng	0.00
29) Terphenyl-d14	19.851	244	6608	0.35	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.302	88	73	Below Cal	#	32
3) n-Nitrosodimethylamine	3.670	42	1962	0.66	ng	# 13
6) bis(2-Chloroethyl)ether	7.275	93	548	0.16	ng	# 1
9) Naphthalene	10.640	128	429380	7.75	ng	# 94
12) 2-Methylnaphthalene	12.281	142	576763	62.66	ng	99
16) Acenaphthylene	14.197	152	1929	0.13	ng	# 38
17) Acenaphthene	14.528	154	1960	0.22	ng	# 75
18) Fluorene	15.515	166	5042	0.41	ng	# 96
22) Pentachlorophenol	16.880	266	72	0.06	ng	# 84
23) Phenanthrene	17.255	178	5588	0.32	ng	# 93
24) Anthracene	17.349	178	965	0.12	ng	# 90
26) Fluoranthene	19.283	202	1543	0.07	ng	# 78
28) Pyrene	19.645	202	1784	0.07	ng	# 91
30) Benzo(a)anthracene	21.390	228	945	0.04	ng	# 3
31) Chrysene	21.438	228	1102	0.04	ng	# 3
32) Bis(2-ethylhexyl)phtha...	21.317	149	20574	0.48	ng	99
33) Indeno(1,2,3-cd)pyrene	26.559	276	1232	0.05	ng	96
35) Benzo(b)fluoranthene	23.153	252	1721	0.07	ng	# 1
36) Benzo(k)fluoranthene	23.153	252	1721	0.07	ng	# 1
37) Benzo(a)pyrene	23.805	252	1026	0.05	ng	# 1
39) Benzo(g,h,i)perylene	27.369	276	1597	0.07	ng	# 59

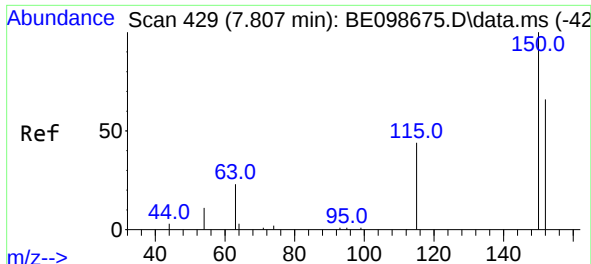
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE022019\
Data File : BE098742.D
Acq On : 20 Feb 2019 15:35
Operator : JU/SJ
Sample : K1528-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Feb 20 18:03:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE012419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 24 14:44:44 2019
Response via : Initial Calibration

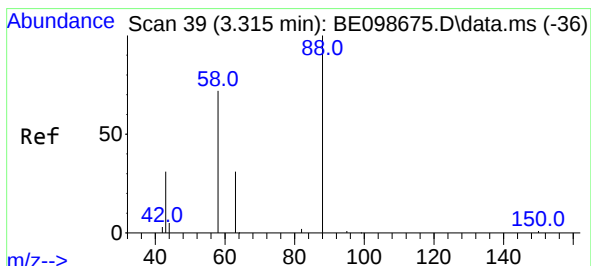
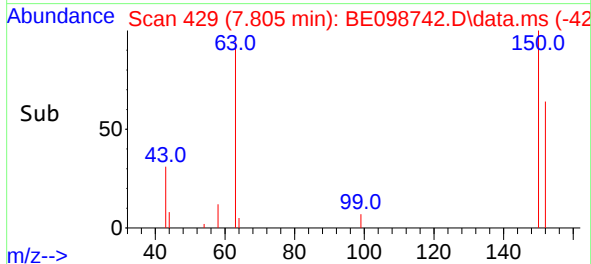
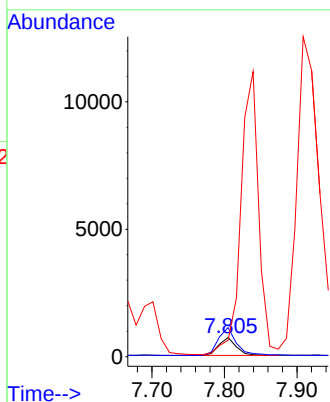
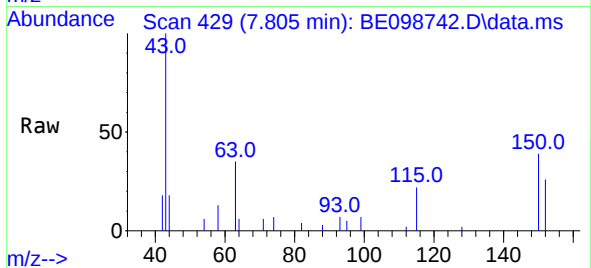




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.40 ng
 RT: 7.805 min Scan# 429
 Delta R.T. -0.002 min
 Lab File: BE098742.D
 Acq: 20 Feb 2019 15:35

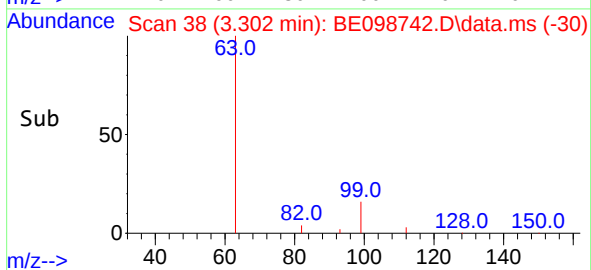
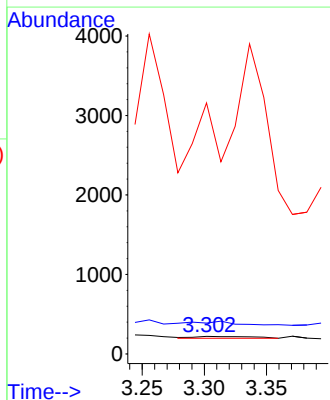
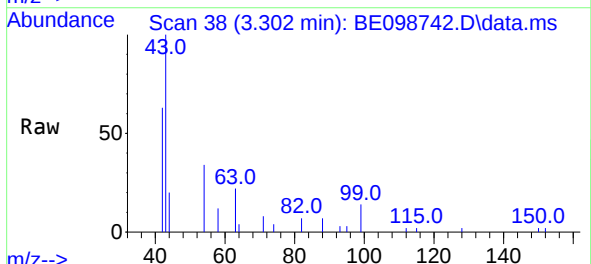
Instrument :
 BNA_E
 ClientSampled :

Tgt Ion:152 Resp: 1181
 Ion Ratio Lower Upper
 152 100
 150 151.9 121.4 182.2
 115 85.5 59.1 88.7

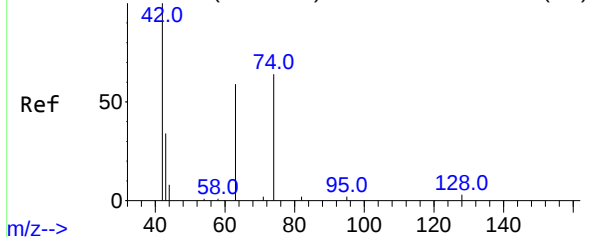


#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.302 min Scan# 38
 Delta R.T. -0.013 min
 Lab File: BE098742.D
 Acq: 20 Feb 2019 15:35

Tgt Ion: 88 Resp: 73
 Ion Ratio Lower Upper
 88 100
 58 153.4 73.9 110.9#
 43 0.0 43.7 65.5#



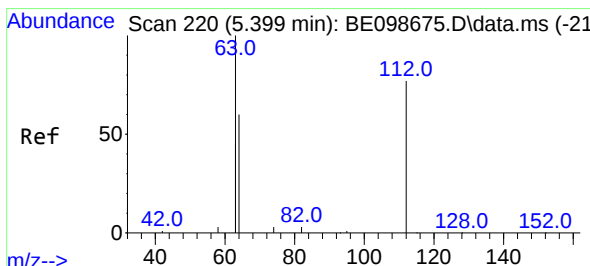
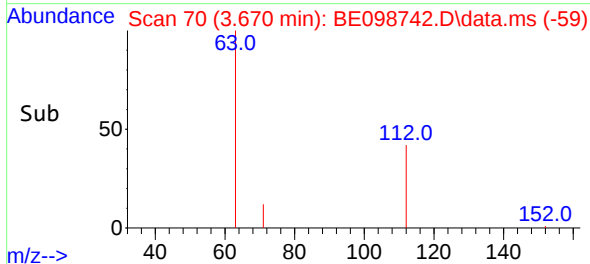
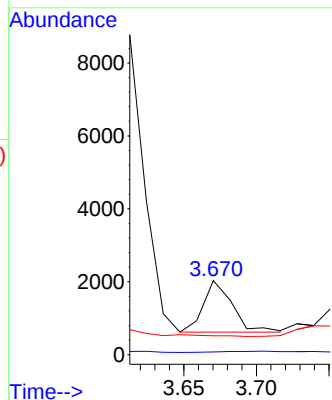
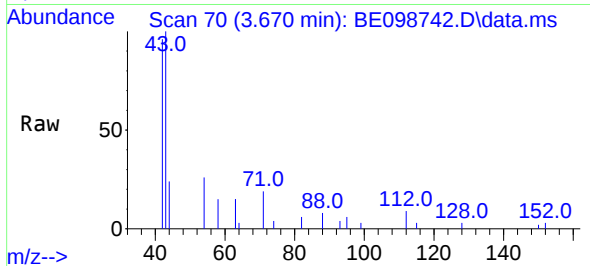
Abundance Scan 68 (3.649 min): BE098675.D\data.ms (-65)



#3
n-Nitrosodimethylamine
Concen: 0.66 ng
RT: 3.670 min Scan# 70
Delta R.T. 0.021 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

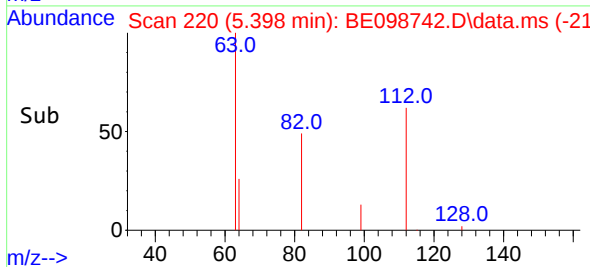
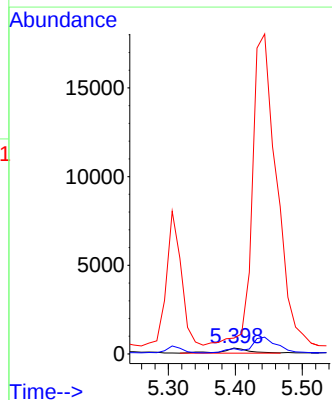
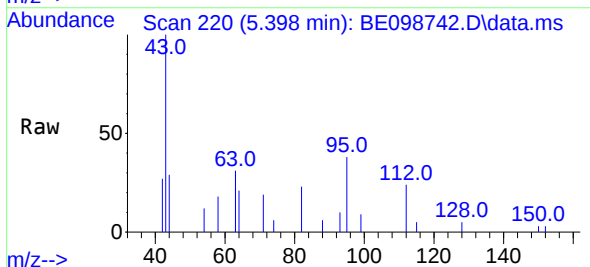
Tgt Ion: 42 Resp: 1962
Ion Ratio Lower Upper
42 100
74 0.0 58.9 88.3#
44 0.0 0.0 0.0

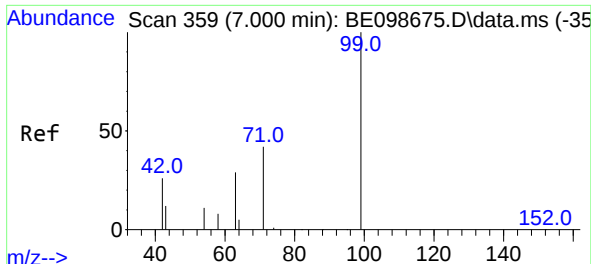
Instrument :
BNA_E
ClientSampled :



#4
2-Fluorophenol
Concen: 0.22 ng
RT: 5.398 min Scan# 220
Delta R.T. -0.001 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion: 112 Resp: 752
Ion Ratio Lower Upper
112 100
64 0.0 62.9 94.3#
63 0.0 152.2 228.4#

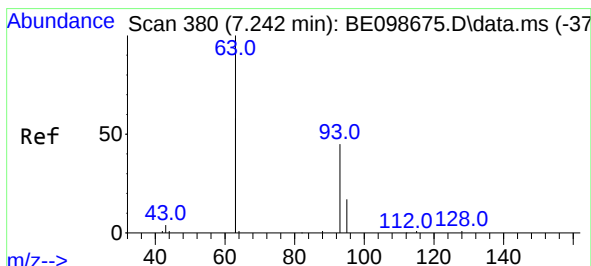
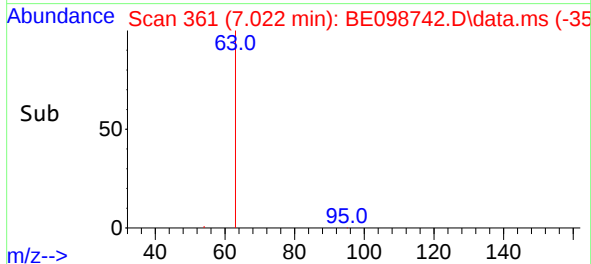
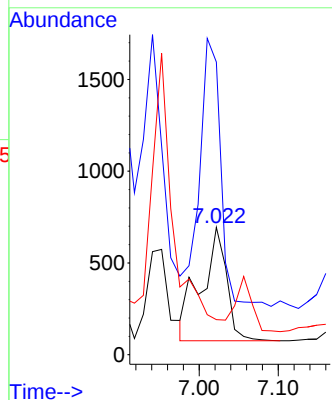
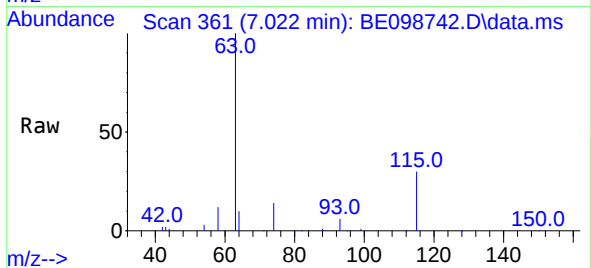




#5
Phenol-d6
Concen: 0.27 ng
RT: 7.022 min Scan# 361
Delta R.T. 0.022 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

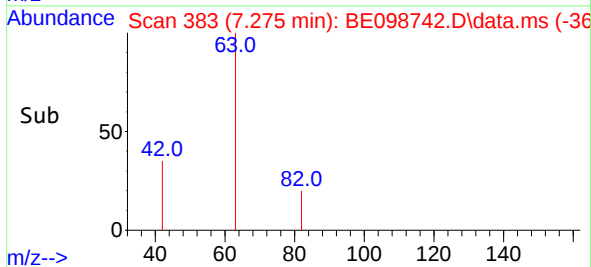
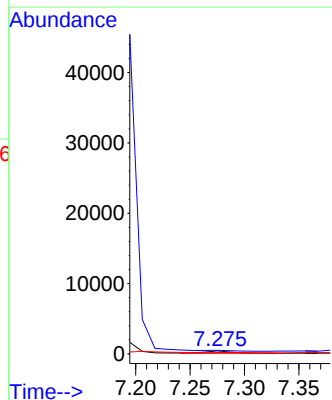
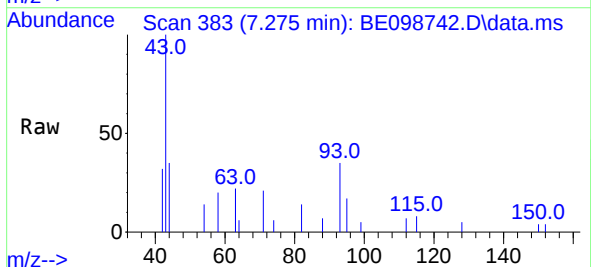
Instrument :
BNA_E
ClientSampled :

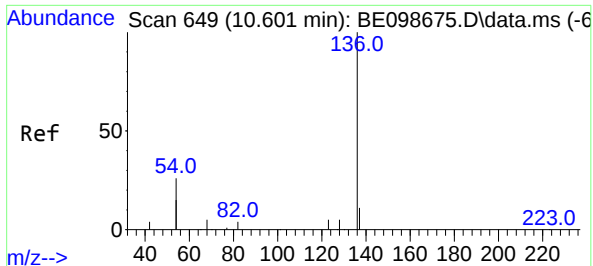
Tgt Ion: 99 Resp: 1388
Ion Ratio Lower Upper
99 100
42 194.2 24.6 37.0#
71 0.0 35.1 52.7#



#6
bis(2-Chloroethyl)ether
Concen: 0.16 ng
RT: 7.275 min Scan# 383
Delta R.T. 0.033 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion: 93 Resp: 548
Ion Ratio Lower Upper
93 100
63 0.0 267.3 400.9#
95 35.8 26.2 39.4

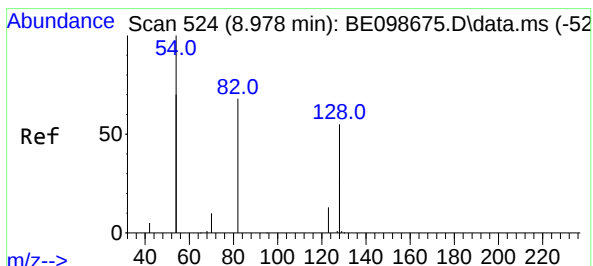
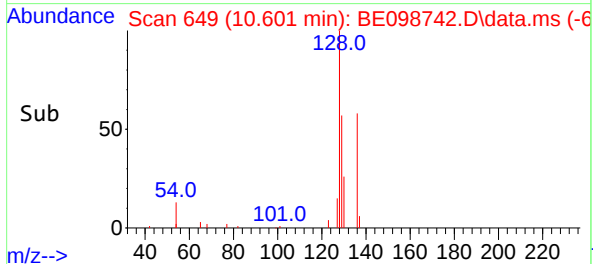
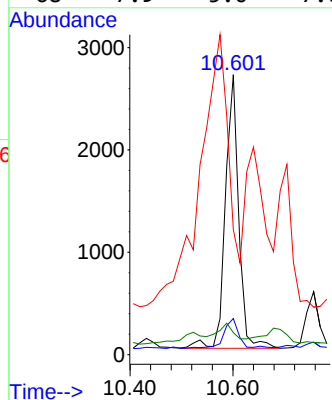
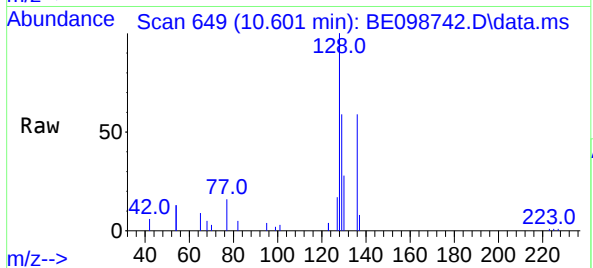




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.601 min Scan# 649
Delta R.T. -0.000 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

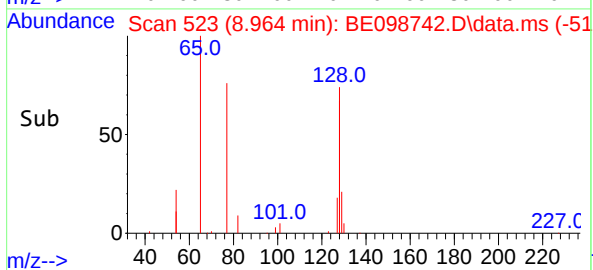
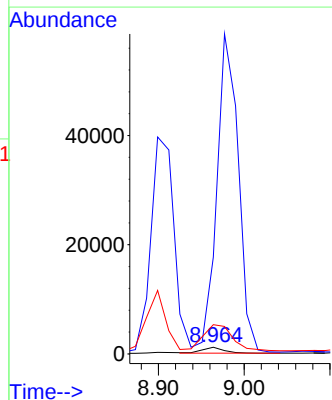
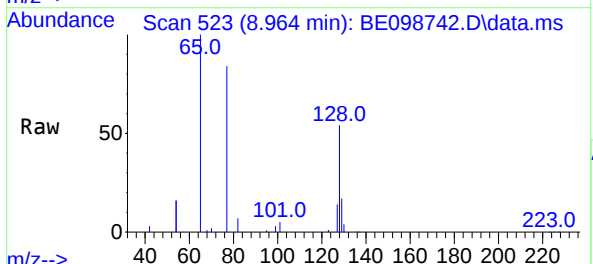
Instrument :
BNA_E
ClientSampleId :

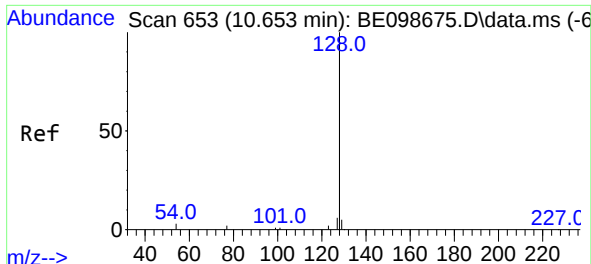
Tgt Ion:	136	Resp:	4837
Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.7	14.5
54	44.7	35.5	53.3
68	7.9	5.0	7.6



#8
Nitrobenzene-d5
Concen: 0.41 ng
RT: 8.964 min Scan# 523
Delta R.T. -0.014 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:	82	Resp:	1941
Ion	Ratio	Lower	Upper
82	100		
128	1456.3	96.5	144.7
54	440.1	224.7	337.1

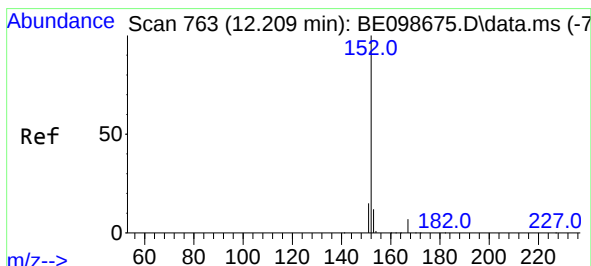
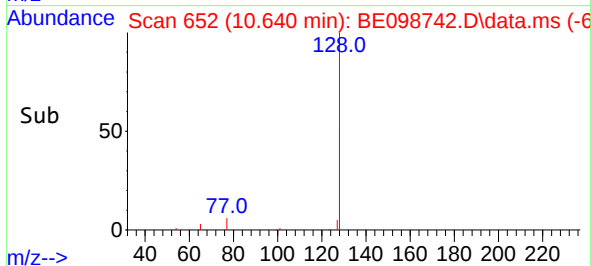
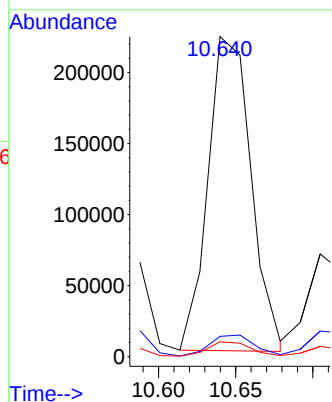
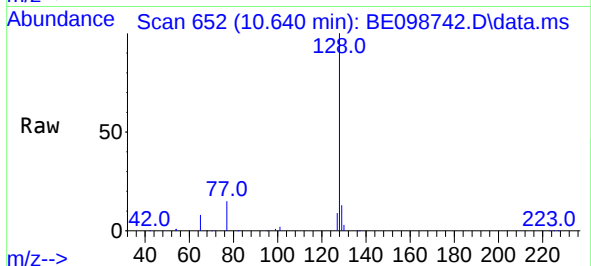




#9
Naphthalene
Concen: 7.75 ng
RT: 10.640 min Scan# 652
Delta R.T. -0.013 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

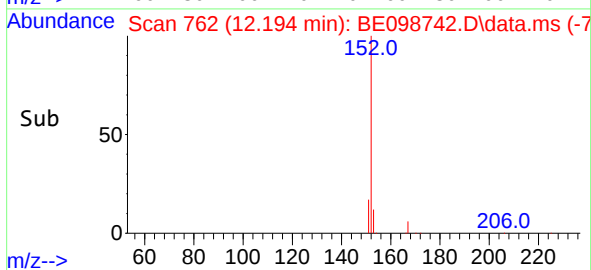
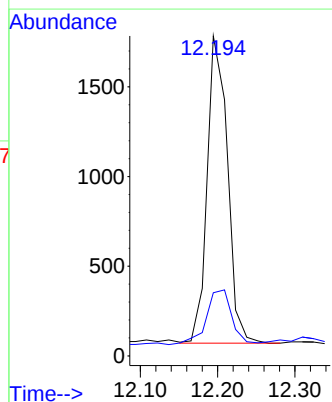
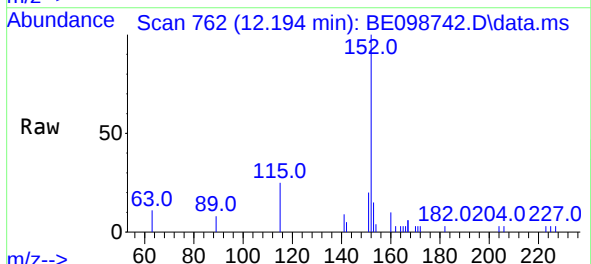
Instrument :
BNA_E
ClientSampled :

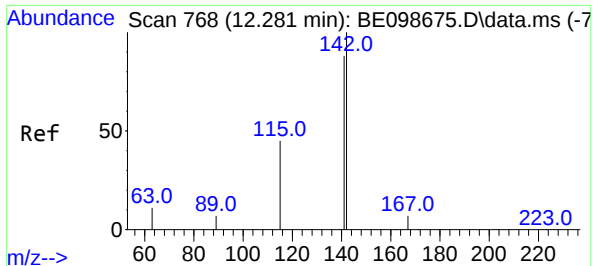
Tgt Ion:128 Resp: 429380
Ion Ratio Lower Upper
128 100
129 6.4 2.6 3.8#
127 4.7 3.0 4.6#



#11
2-Methylnaphthalene-d10
Concen: 0.34 ng
RT: 12.194 min Scan# 762
Delta R.T. -0.015 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:152 Resp: 3127
Ion Ratio Lower Upper
152 100
151 22.6 16.2 24.4

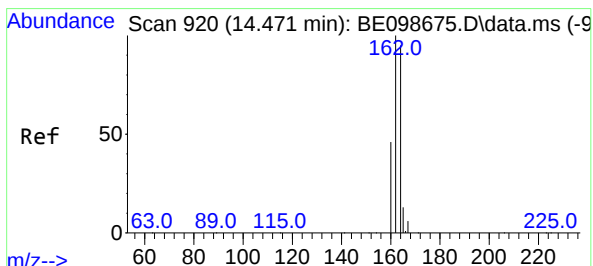
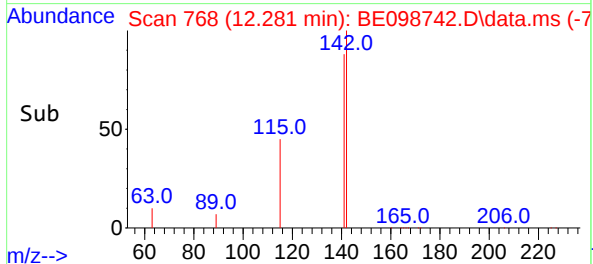
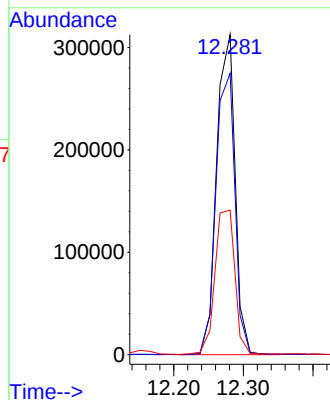
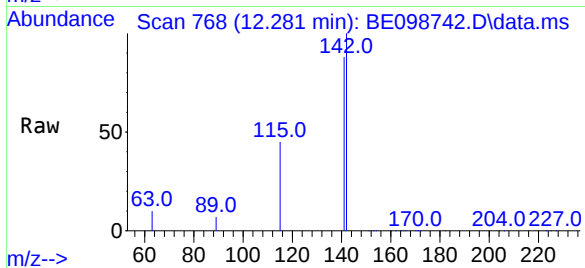




#12
2-Methylnaphthalene
Concen: 62.66 ng
RT: 12.281 min Scan# 768
Delta R.T. -0.000 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

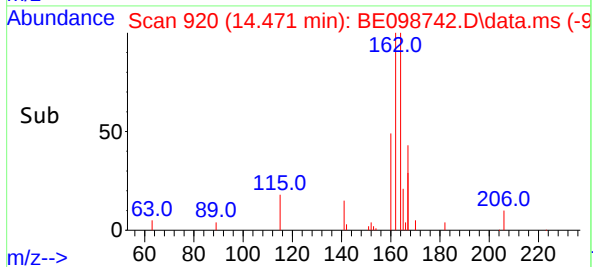
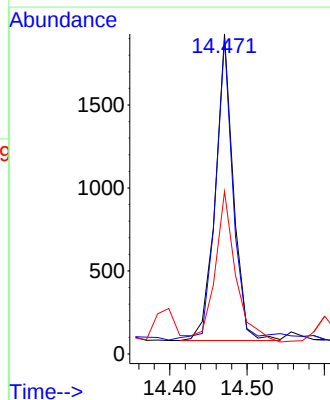
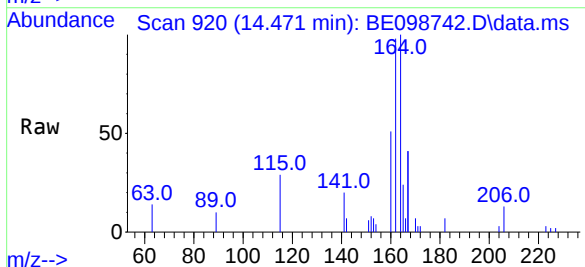
Instrument :
BNA_E
ClientSampleId :

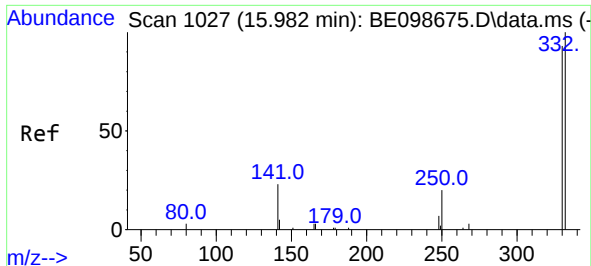
Tgt Ion:142 Resp: 576763
Ion Ratio Lower Upper
142 100
141 87.9 70.0 105.0
115 45.2 35.2 52.8



#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.471 min Scan# 920
Delta R.T. -0.000 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

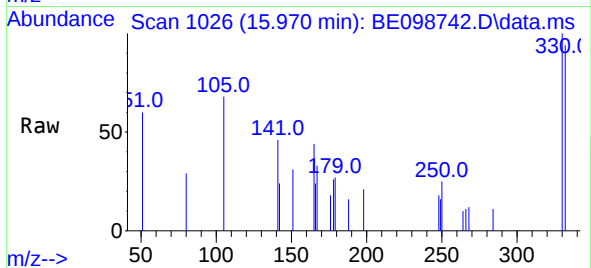
Tgt Ion:164 Resp: 2986
Ion Ratio Lower Upper
164 100
162 98.5 80.5 120.7
160 50.8 40.1 60.1



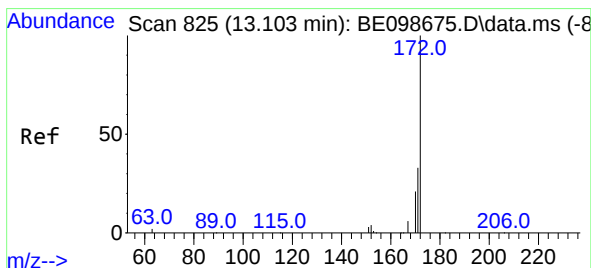
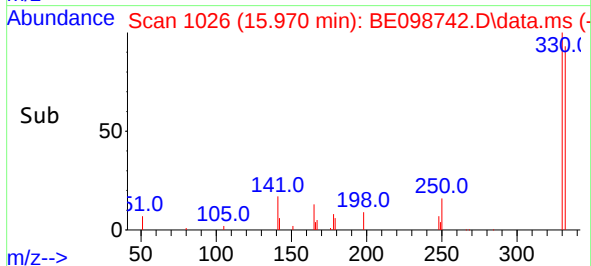
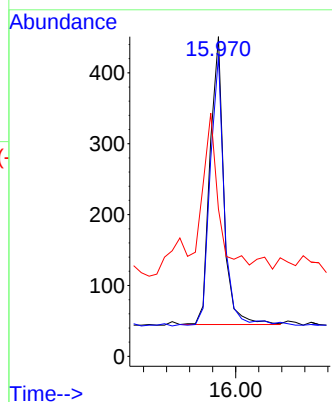


#14
2,4,6-Tribromophenol
Concen: 0.51 ng
RT: 15.970 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Instrument :
BNA_E
ClientSampled :

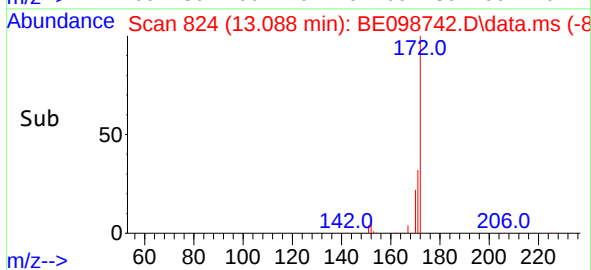
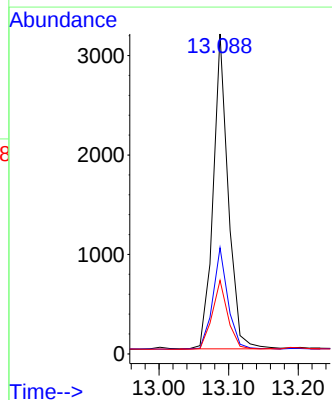
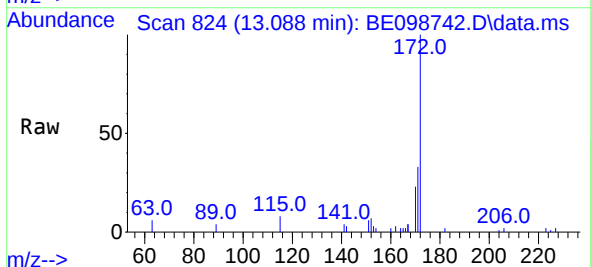


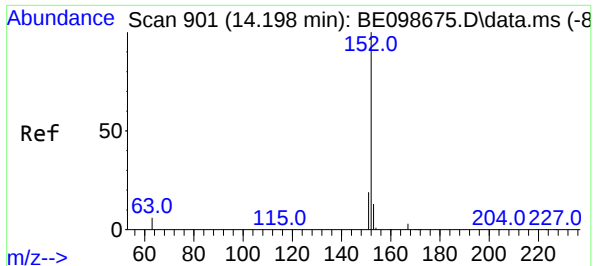
Tgt Ion: 330 Resp: 677
Ion Ratio Lower Upper
330 100
332 95.1 73.3 109.9
141 54.2 33.1 49.7#



#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.088 min Scan# 824
Delta R.T. -0.015 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion: 172 Resp: 4734
Ion Ratio Lower Upper
172 100
171 33.2 29.0 43.4
170 23.0 20.8 31.2

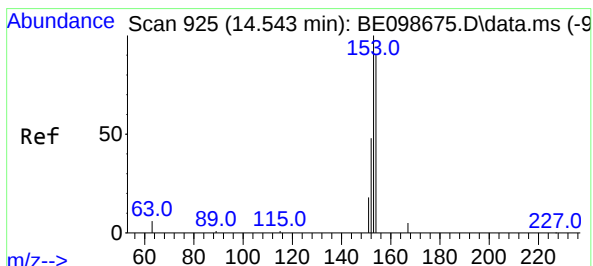
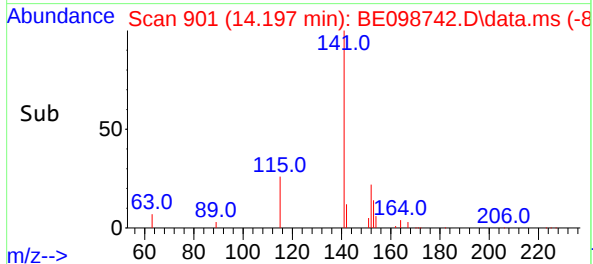
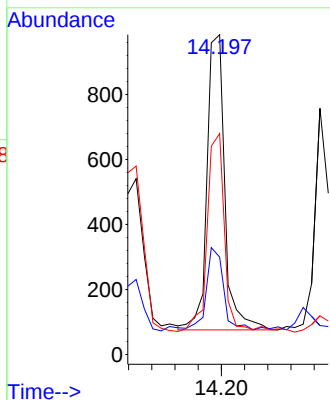
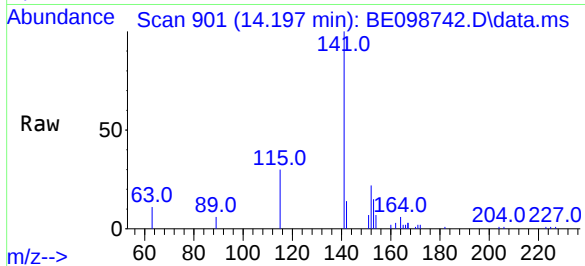




#16
Acenaphthylene
Concen: 0.13 ng
RT: 14.197 min Scan# 901
Delta R.T. -0.001 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

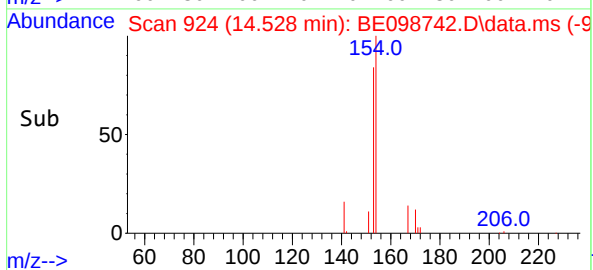
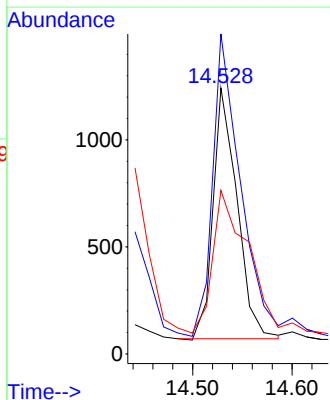
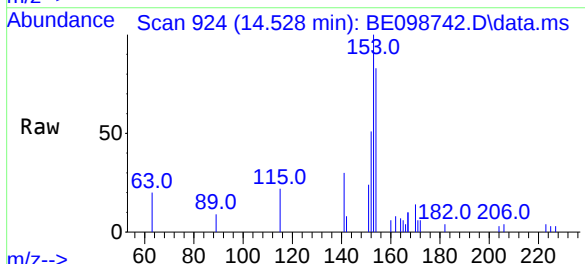
Instrument :
BNA_E
ClientSampleId :

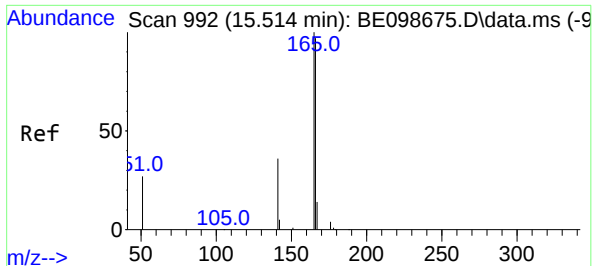
Tgt Ion:152 Resp: 1929
Ion Ratio Lower Upper
152 100
151 29.5 16.3 24.5#
153 64.1 10.7 16.1#



#17
Acenaphthene
Concen: 0.22 ng
RT: 14.528 min Scan# 924
Delta R.T. -0.015 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:154 Resp: 1960
Ion Ratio Lower Upper
154 100
153 139.9 93.9 140.9
152 82.1 45.8 68.8#

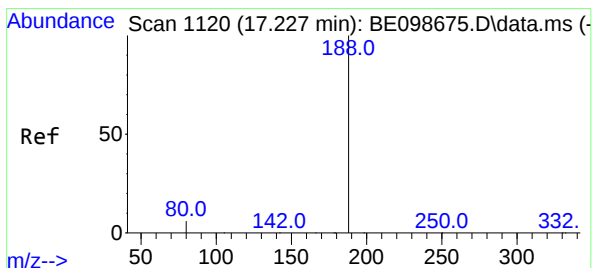
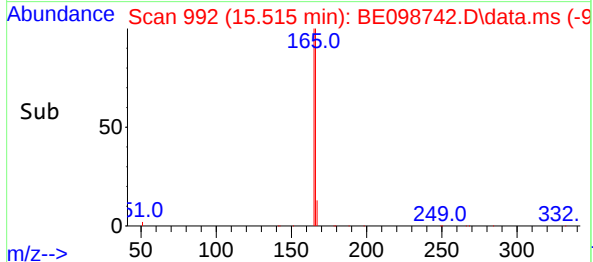
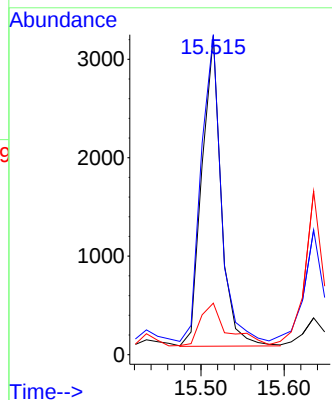
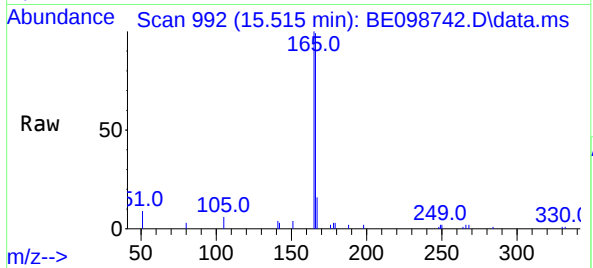




#18
Fluorene
Concen: 0.41 ng
RT: 15.515 min Scan# 992
Delta R.T. 0.001 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

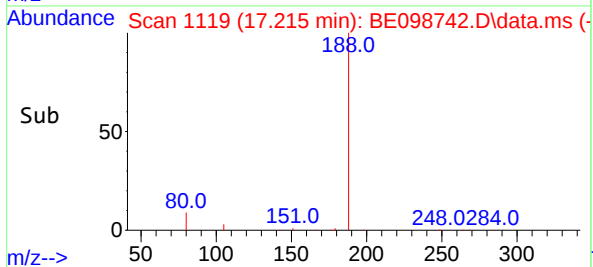
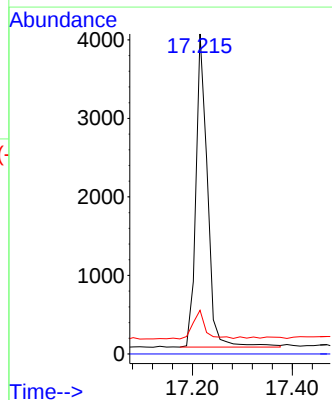
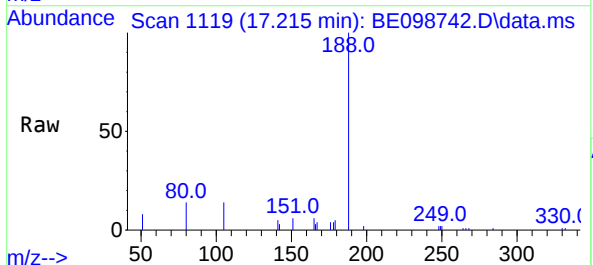
Instrument :
BNA_E
ClientSampled :

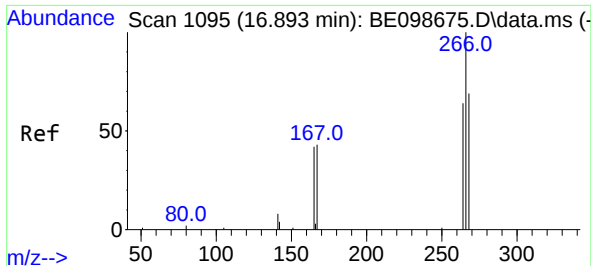
Tgt Ion:166 Resp: 5042
Ion Ratio Lower Upper
166 100
165 101.6 79.3 118.9
167 19.6 10.6 15.8#



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.215 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:188 Resp: 6438
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.6 4.7 7.1#

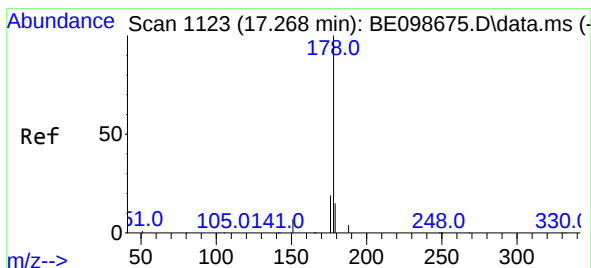
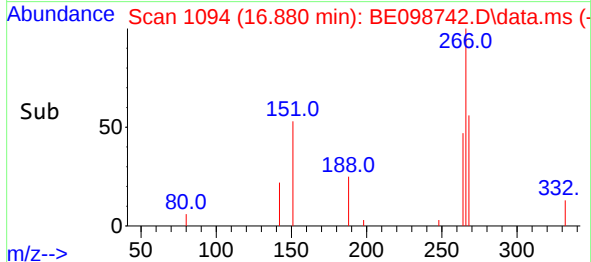
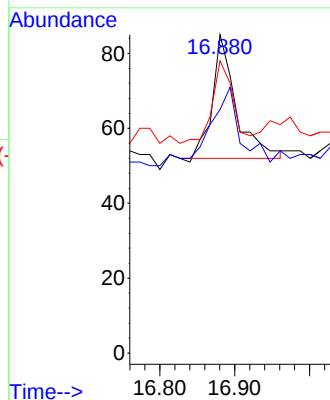
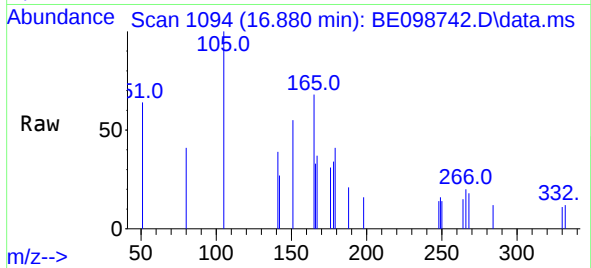




#22
Pentachlorophenol
Concen: 0.06 ng
RT: 16.880 min Scan# 1094
Delta R.T. -0.013 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

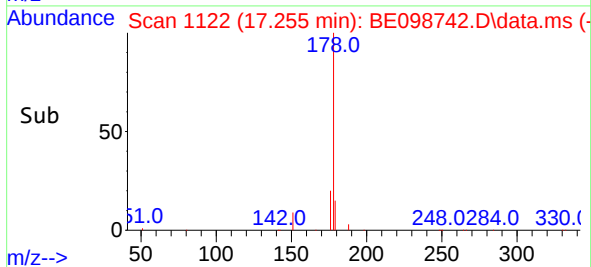
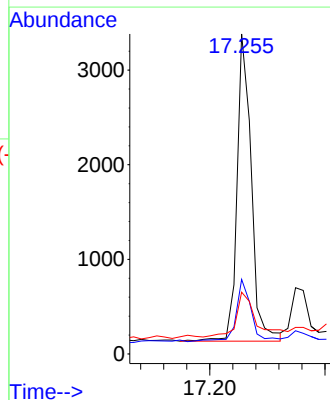
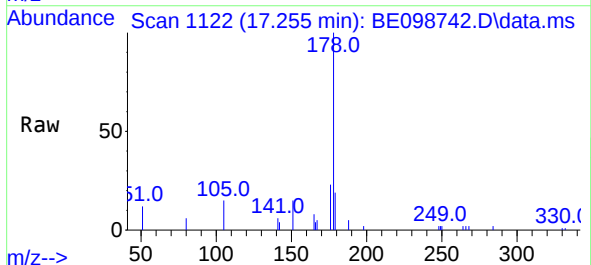
Instrument :
BNA_E
ClientSampled :

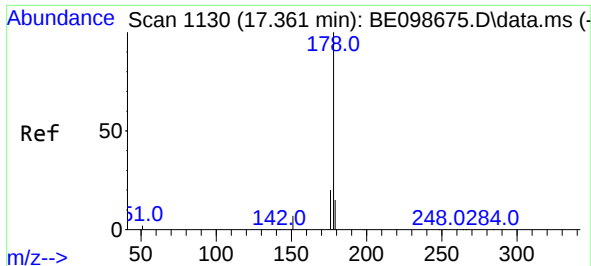
Tgt Ion:266 Resp: 72
Ion Ratio Lower Upper
266 100
264 76.5 53.7 80.5
268 91.8 59.8 89.8#



#23
Phenanthrene
Concen: 0.32 ng
RT: 17.255 min Scan# 1122
Delta R.T. -0.013 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:178 Resp: 5588
Ion Ratio Lower Upper
178 100
176 21.6 15.9 23.9
179 20.4 12.2 18.4#

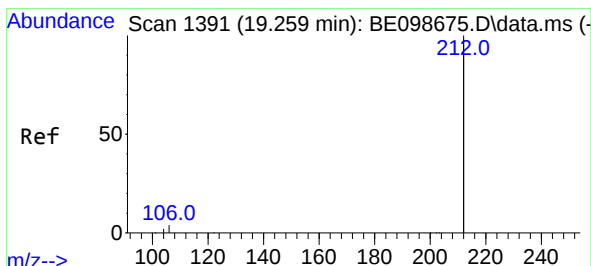
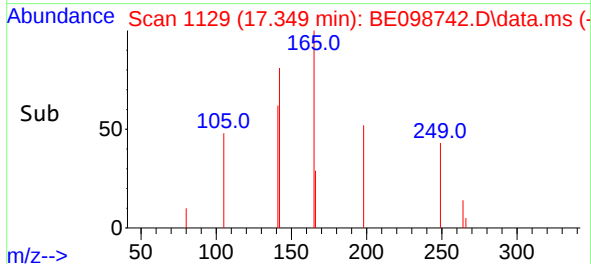
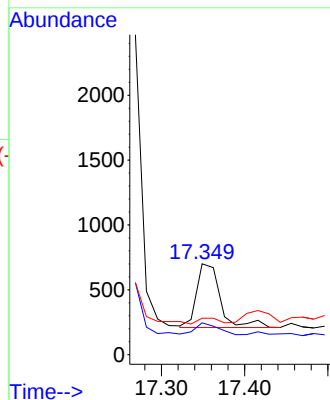
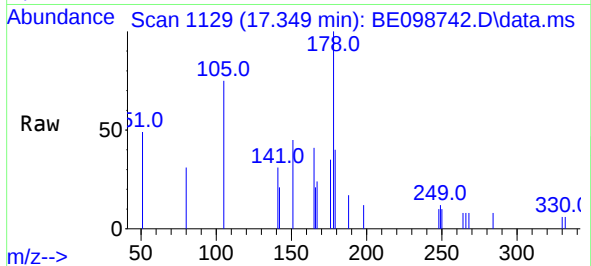




#24
 Anthracene
 Concen: 0.12 ng
 RT: 17.349 min Scan# 1129
 Delta R.T. -0.012 min
 Lab File: BE098742.D
 Acq: 20 Feb 2019 15:35

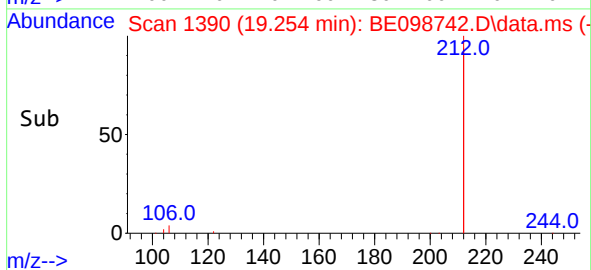
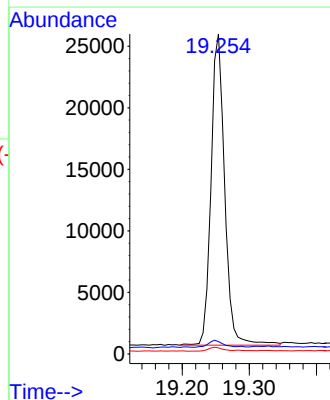
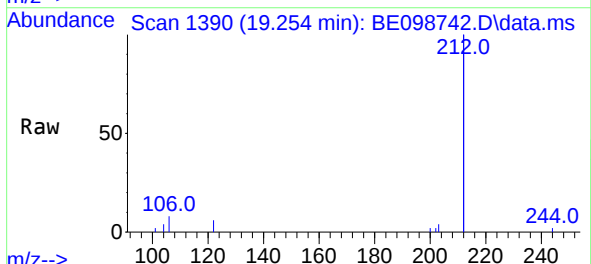
Instrument :
 BNA_E
 ClientSampleId :

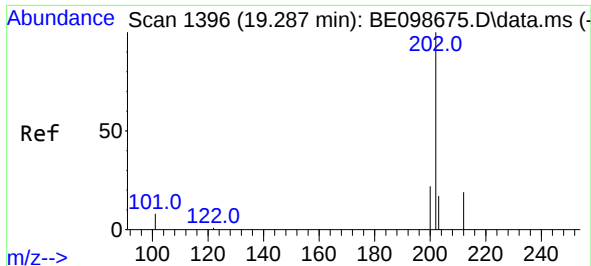
Tgt Ion:178 Resp: 965
 Ion Ratio Lower Upper
 178 100
 176 16.7 14.9 22.3
 179 8.0 11.8 17.8#



#25
 Fluoranthene-d10
 Concen: 0.39 ng
 RT: 19.254 min Scan# 1390
 Delta R.T. -0.005 min
 Lab File: BE098742.D
 Acq: 20 Feb 2019 15:35

Tgt Ion:212 Resp: 35795
 Ion Ratio Lower Upper
 212 100
 106 2.6 1.7 2.5#
 104 1.4 1.0 1.6

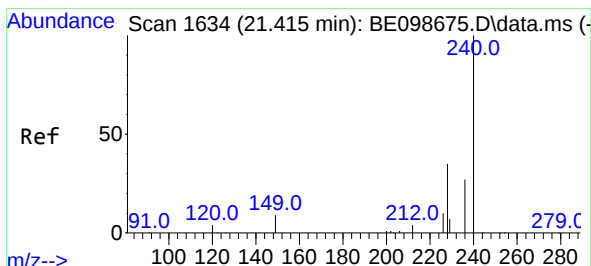
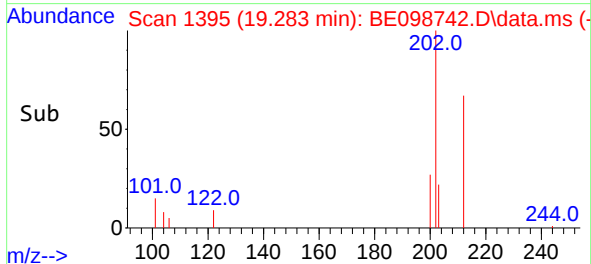
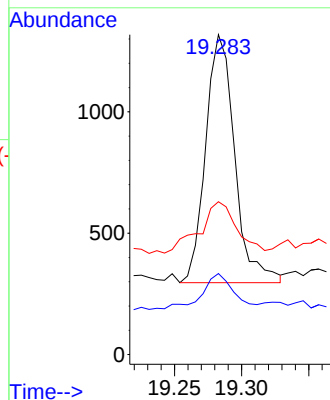
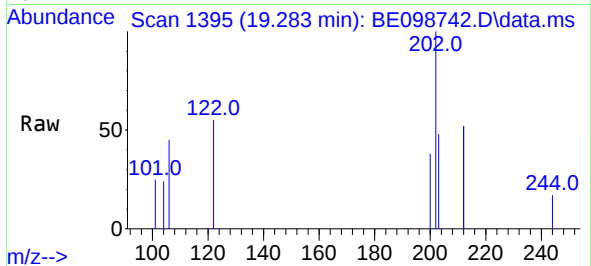




#26
Fluoranthene
Concen: 0.07 ng
RT: 19.283 min Scan# 1395
Delta R.T. -0.004 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

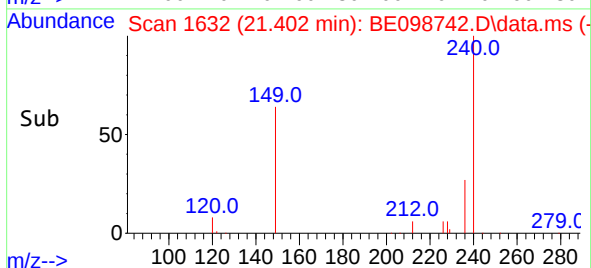
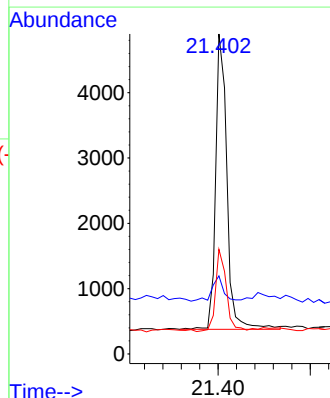
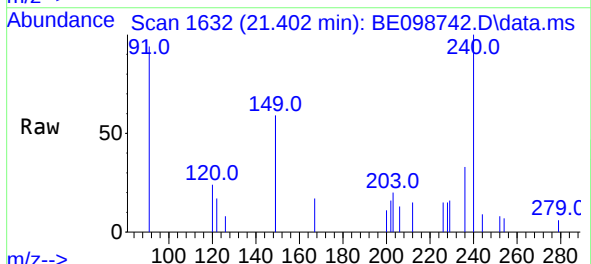
Instrument :
BNA_E
ClientSampleId :

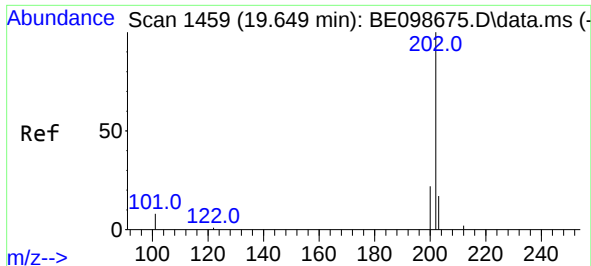
Tgt Ion:202 Resp: 1543
Ion Ratio Lower Upper
202 100
101 15.0 6.7 10.1#
203 26.9 13.3 19.9#



#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.402 min Scan# 1632
Delta R.T. -0.013 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:240 Resp: 7644
Ion Ratio Lower Upper
240 100
120 24.4 4.7 7.1#
236 32.7 21.9 32.9

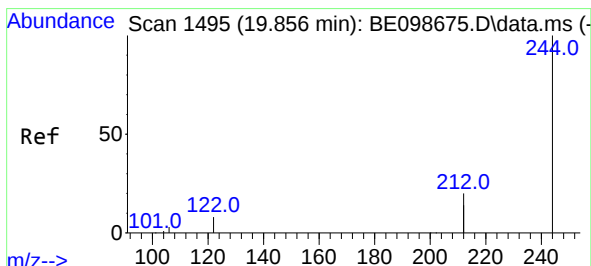
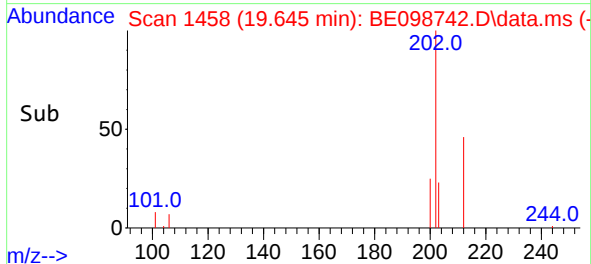
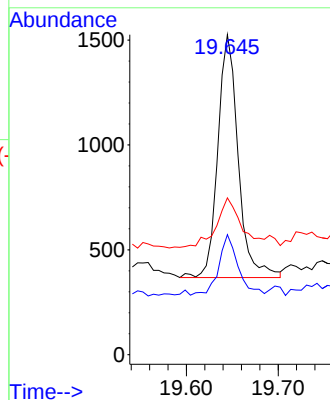
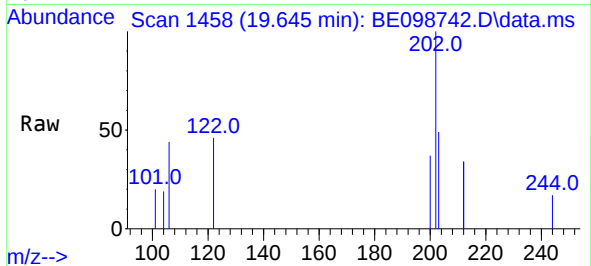




#28
Pyrene
Concen: 0.07 ng
RT: 19.645 min Scan# 1458
Delta R.T. -0.004 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

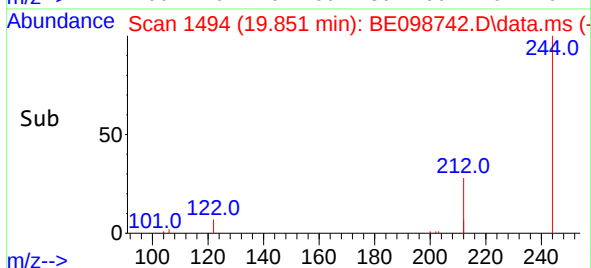
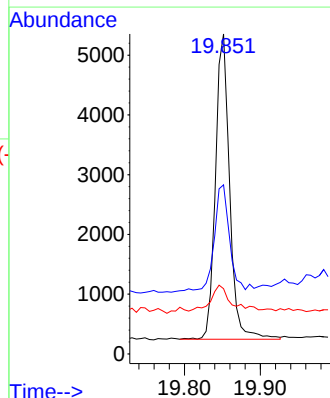
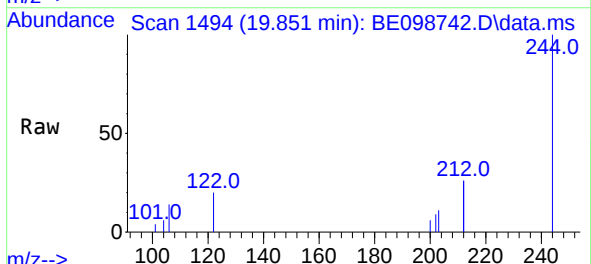
Instrument :
BNA_E
ClientSampleId :

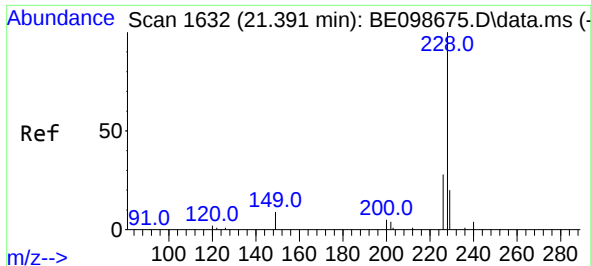
Tgt Ion:	202	Resp:	1784
Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.0	25.6
203	24.6	13.8	20.8#



#29
Terphenyl-d14
Concen: 0.35 ng
RT: 19.851 min Scan# 1494
Delta R.T. -0.005 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:	244	Resp:	6608
Ion	Ratio	Lower	Upper
244	100		
212	52.8	29.4	44.2#
122	20.4	7.1	10.7#

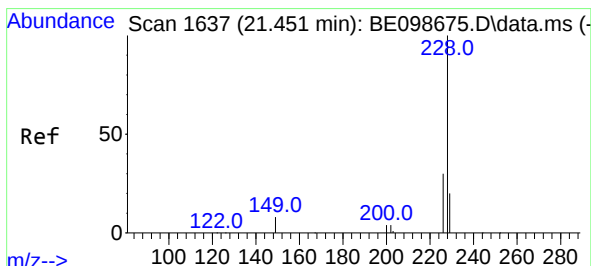
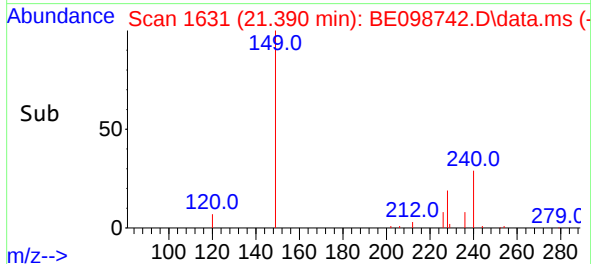
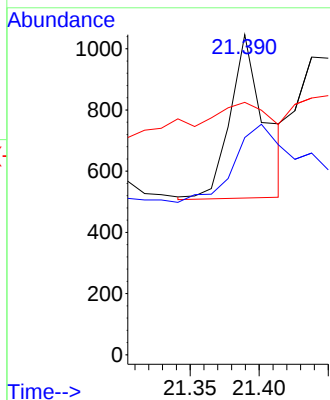
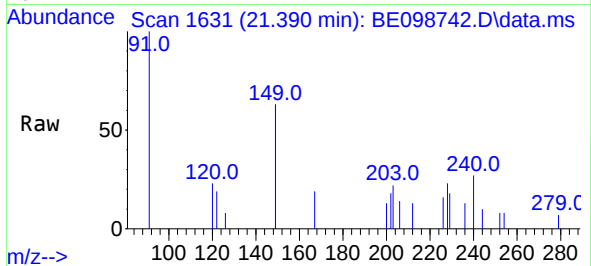




#30
Benzo(a)anthracene
Concen: 0.04 ng
RT: 21.390 min Scan# 1631
Delta R.T. -0.001 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

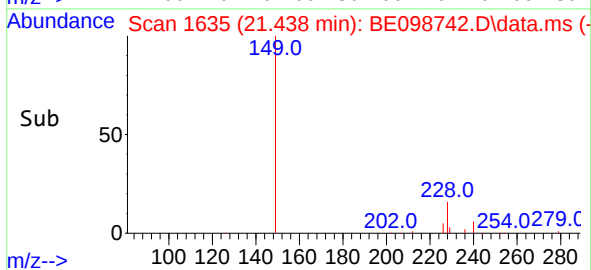
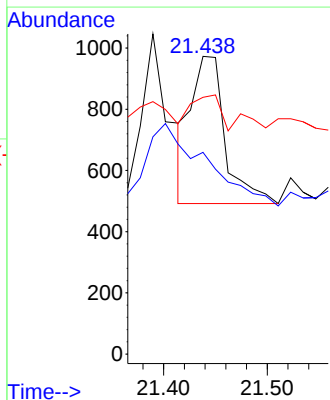
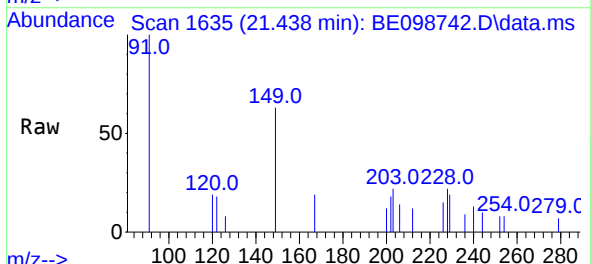
Instrument :
BNA_E
ClientSampleId :

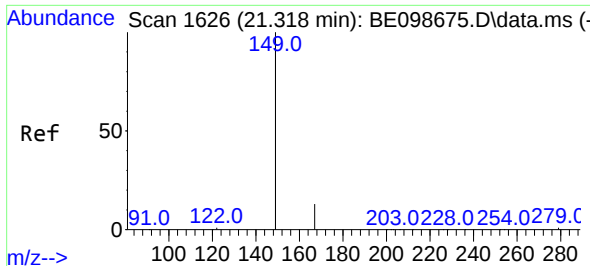
Tgt Ion:228 Resp: 945
Ion Ratio Lower Upper
228 100
226 67.9 23.0 34.4#
229 78.9 15.0 22.6#



#31
Chrysene
Concen: 0.04 ng
RT: 21.438 min Scan# 1635
Delta R.T. -0.013 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:228 Resp: 1102
Ion Ratio Lower Upper
228 100
226 67.7 24.6 36.8#
229 86.2 16.4 24.6#



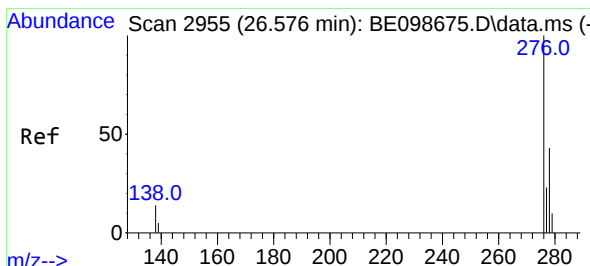
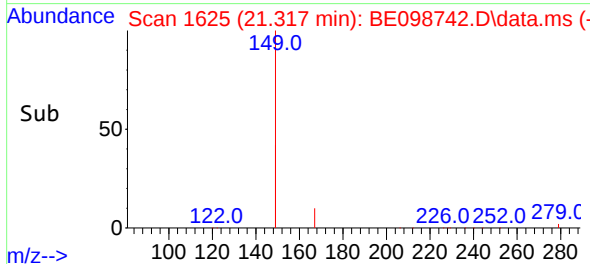
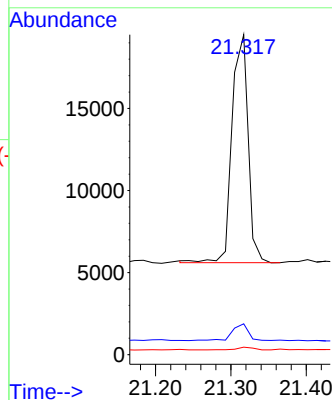
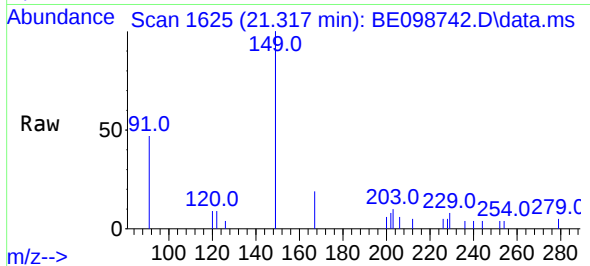


#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.48 ng
 RT: 21.317 min Scan# 1625
 Delta R.T. -0.001 min
 Lab File: BE098742.D
 Acq: 20 Feb 2019 15:35

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:149 Resp: 20574

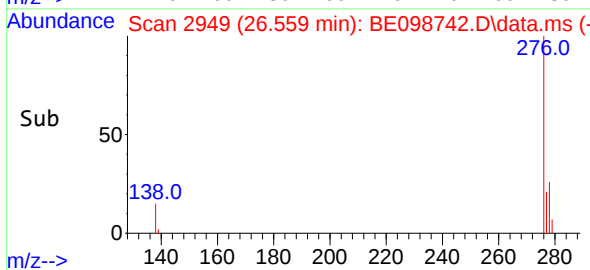
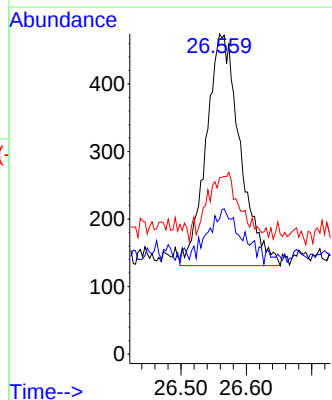
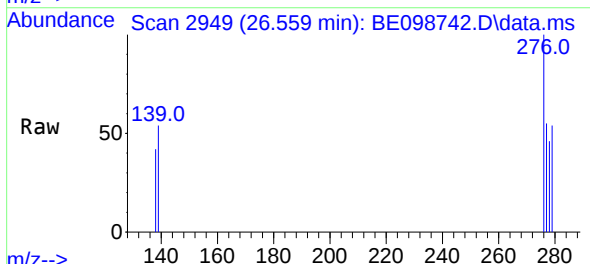
Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.4	8.2
279	1.1	1.0	1.4

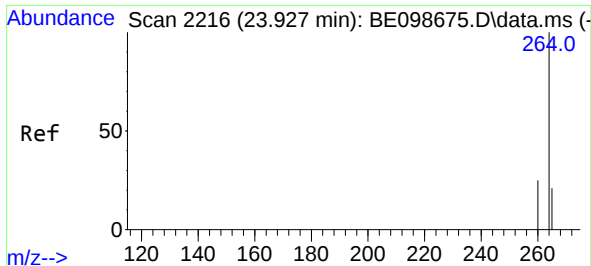


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.559 min Scan# 2949
 Delta R.T. -0.017 min
 Lab File: BE098742.D
 Acq: 20 Feb 2019 15:35

Tgt Ion:276 Resp: 1232

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.3	19.9
277	21.6	19.4	29.0

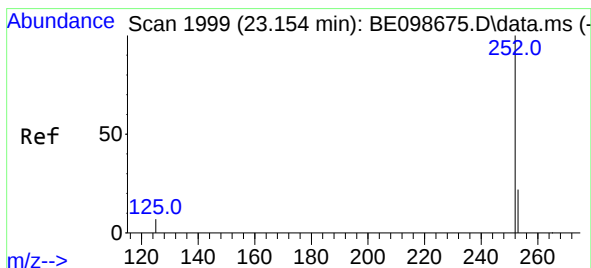
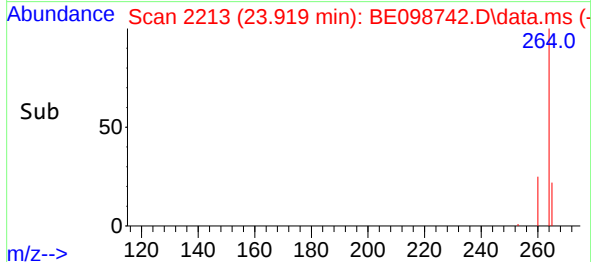
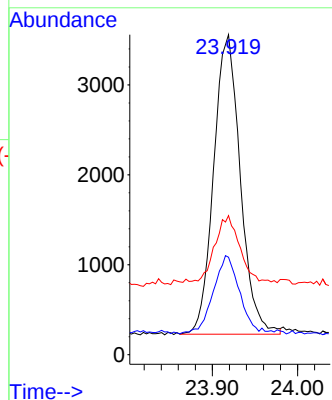
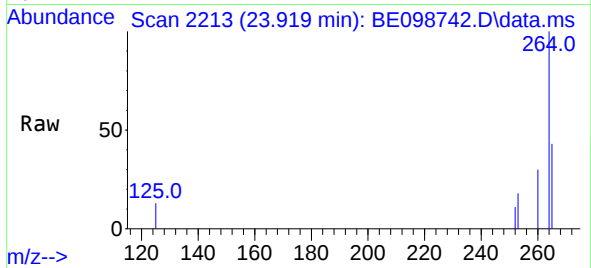




#34
Perylene-d12
Concen: 0.40 ng
RT: 23.919 min Scan# 2213
Delta R.T. -0.008 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

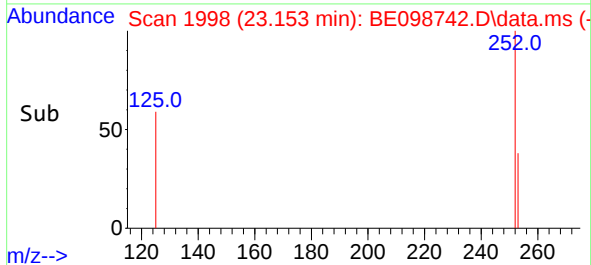
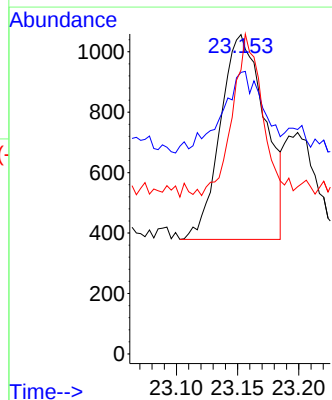
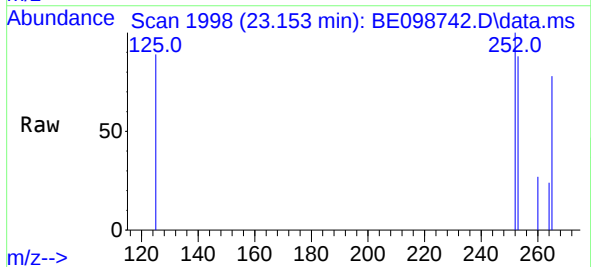
Instrument :
BNA_E
ClientSampled :

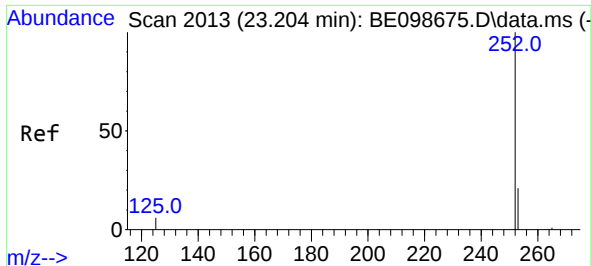
Tgt Ion:264 Resp: 7225
Ion Ratio Lower Upper
264 100
260 30.4 20.5 30.7
265 43.4 22.3 33.5#



#35
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 23.153 min Scan# 1998
Delta R.T. -0.001 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:252 Resp: 1721
Ion Ratio Lower Upper
252 100
253 88.2 19.4 29.0#
125 88.9 8.2 12.4#

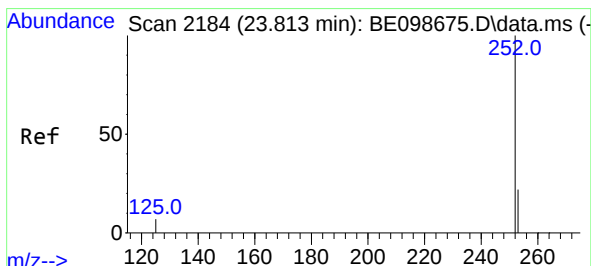
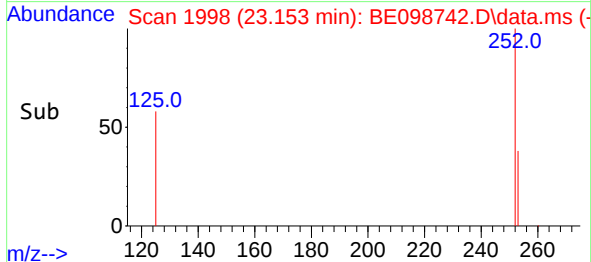
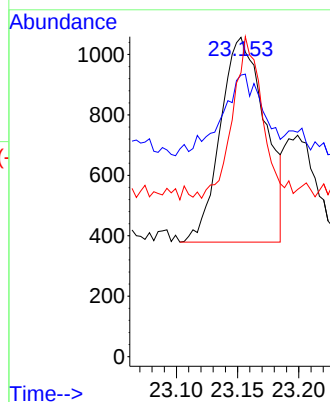
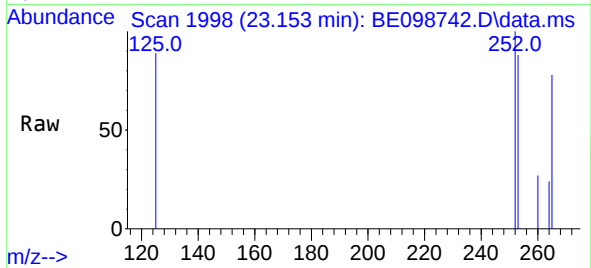




#36
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 23.153 min Scan# 1998
Delta R.T. -0.051 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

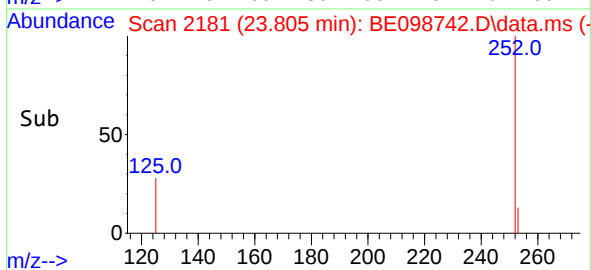
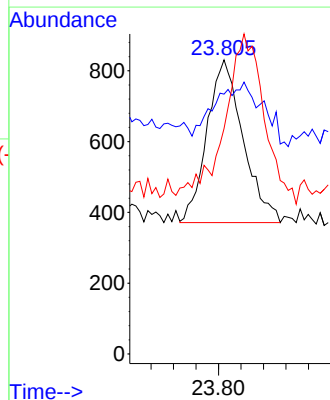
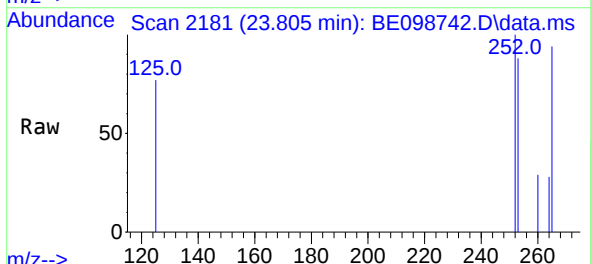
Instrument :
BNA_E
ClientSampleId :

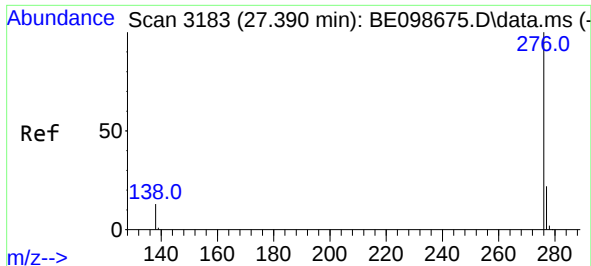
Tgt Ion:252 Resp: 1721
Ion Ratio Lower Upper
252 100
253 88.2 19.0 28.4#
125 88.9 7.0 10.4#



#37
Benzo(a)pyrene
Concen: 0.05 ng
RT: 23.805 min Scan# 2181
Delta R.T. -0.008 min
Lab File: BE098742.D
Acq: 20 Feb 2019 15:35

Tgt Ion:252 Resp: 1026
Ion Ratio Lower Upper
252 100
253 88.3 21.0 31.4#
125 76.7 9.2 13.8#





#39

Benzo(g,h,i)perylene

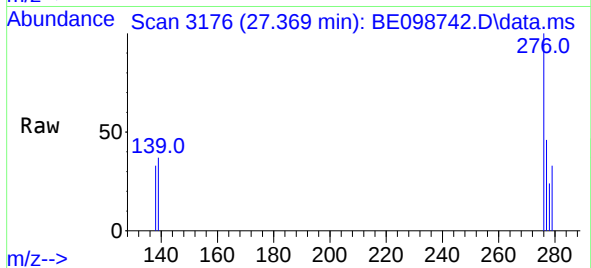
Concen: 0.07 ng

RT: 27.369 min Scan# 3176

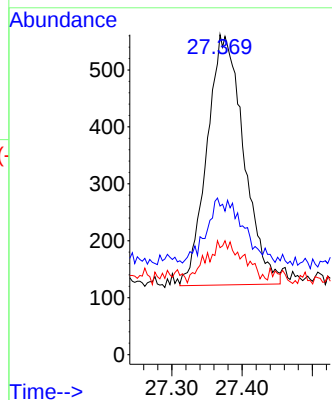
Delta R.T. -0.021 min

Lab File: BE098742.D

Acq: 20 Feb 2019 15:35



Tgt Ion:	276	Resp:	1597
Ion	Ratio	Lower	Upper
276	100		
277	46.4	20.3	30.5#
138	33.5	13.3	19.9#



Instrument :
BNA_E
ClientSampleId :