

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101024\
 Data File : BF139743.D
 Acq On : 10 Oct 2024 13:39
 Operator : RC/JU
 Sample : P4359-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-SOIL

Quant Time: Oct 10 14:12:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

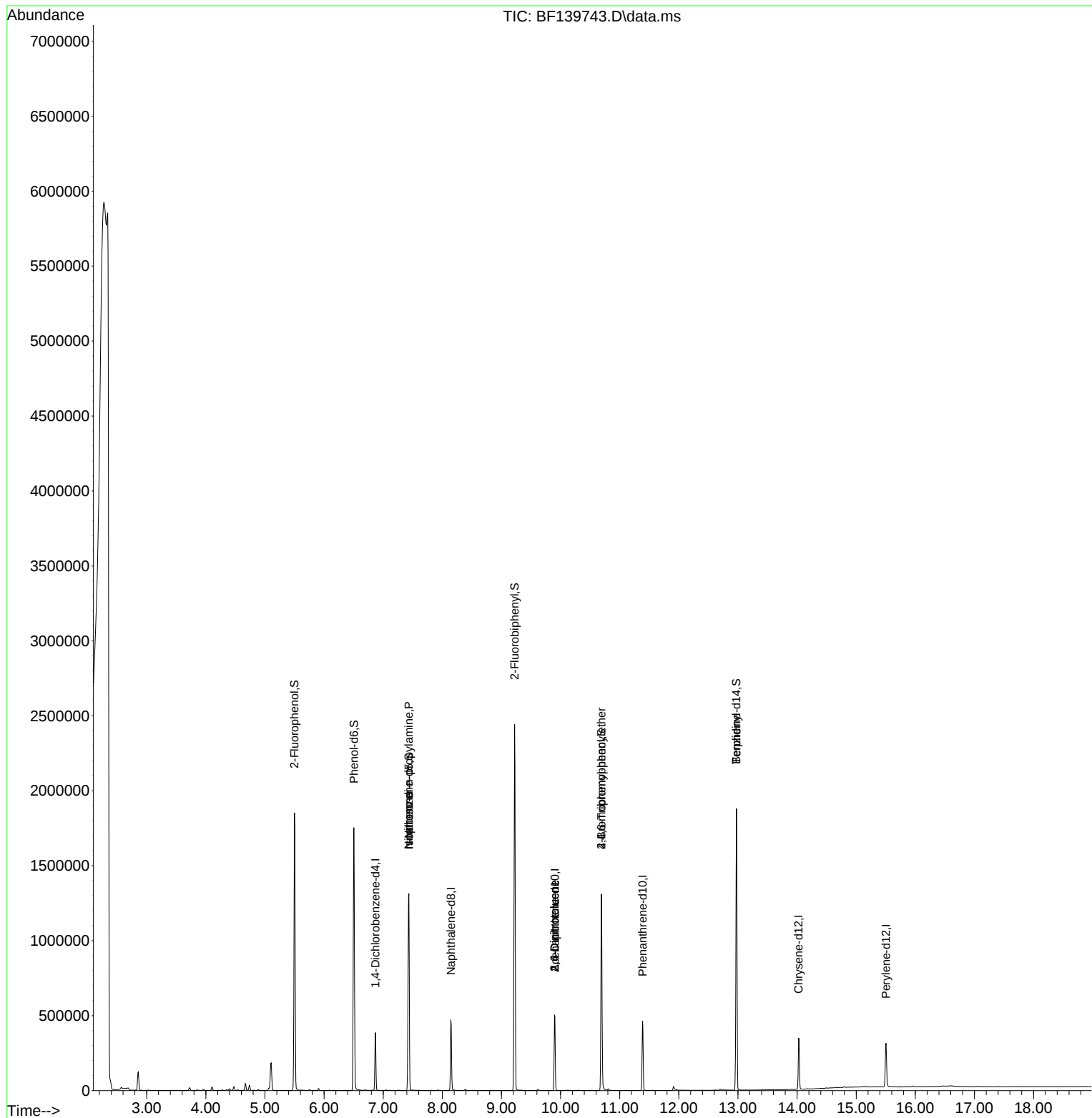
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	77682	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	290641	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	152660	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	252437	20.000	ng	0.00
76) Chrysene-d12	14.027	240	164224	20.000	ng	0.00
86) Perylene-d12	15.504	264	171238	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	652338	145.550	ng	0.01
7) Phenol-d6	6.504	99	802616	133.166	ng	0.00
23) Nitrobenzene-d5	7.434	82	591642	103.065	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	206999	140.464	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1077190	108.325	ng	0.00
79) Terphenyl-d14	12.974	244	905826	90.505	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	80014	20.649	ng	# 75
25) Isophorone	7.434	82	588669	57.737	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	19329	8.562	ng	# 17
57) 2,4-Dinitrotoluene	9.898	165	19329	6.551	ng	# 17
67) 4-Bromophenyl-phenylether	10.692	248	13657	5.277	ng	# 1
77) Benzidine	12.974	184	11970	4.132	ng	# 90

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101024\
Data File : BF139743.D
Acq On : 10 Oct 2024 13:39
Operator : RC/JU
Sample : P4359-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

Quant Time: Oct 10 14:12:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

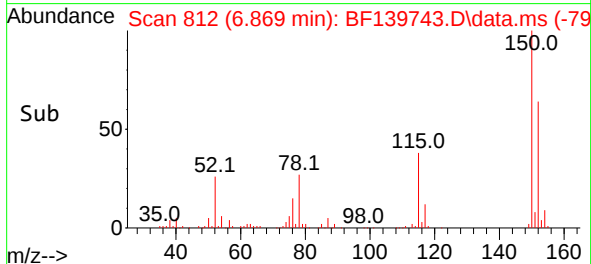
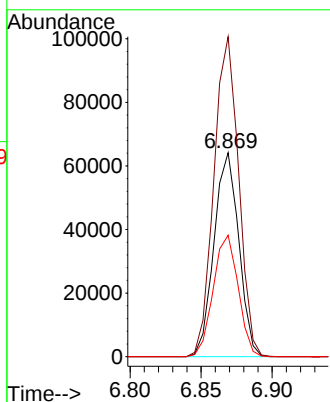
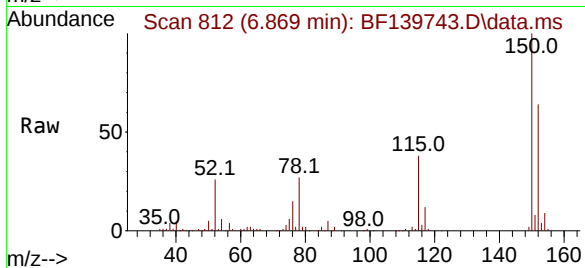




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

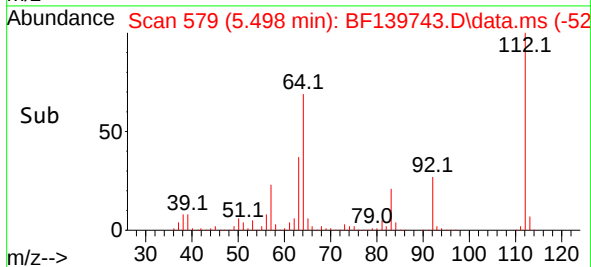
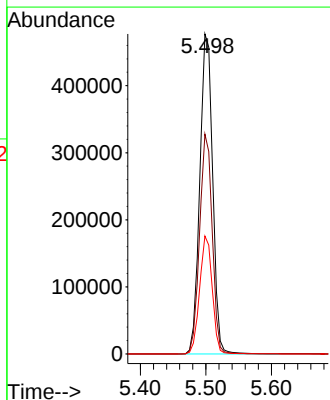
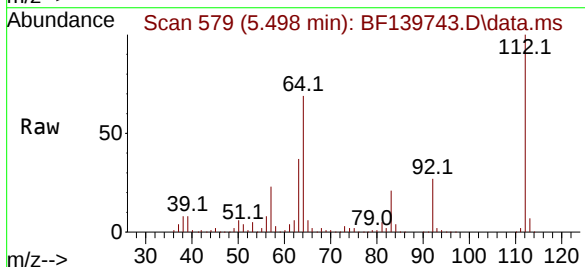
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

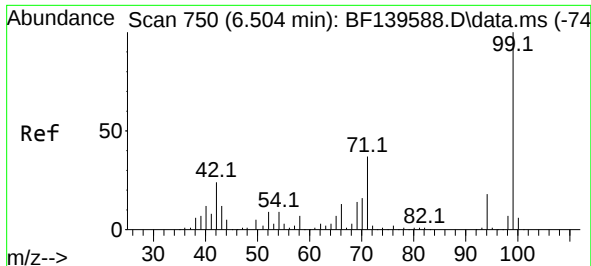
Tgt Ion:152 Resp: 77682
Ion Ratio Lower Upper
152 100
150 156.9 127.2 190.8
115 59.6 49.0 73.4



#5
2-Fluorophenol
Concen: 145.550 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.011 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

Tgt Ion:112 Resp: 652338
Ion Ratio Lower Upper
112 100
64 68.7 54.2 81.4
63 36.8 29.4 44.2

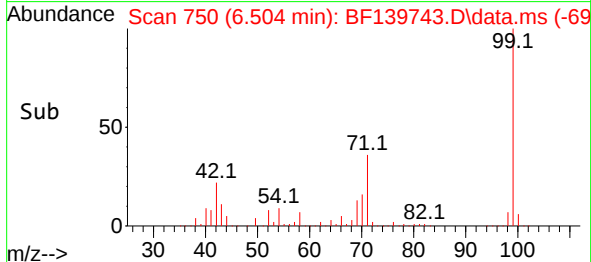
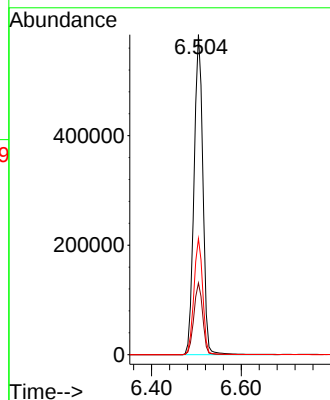
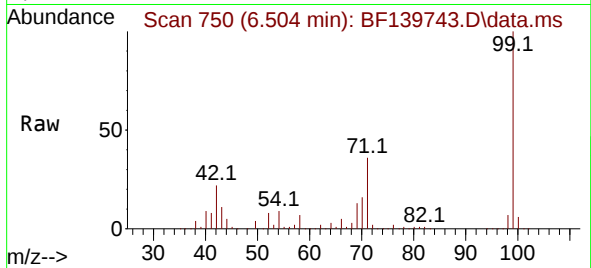




#7
Phenol-d6
Concen: 133.166 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

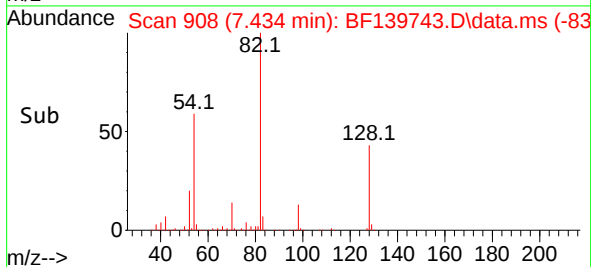
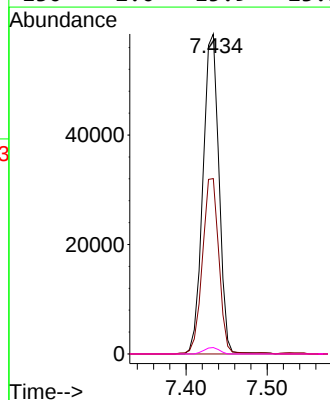
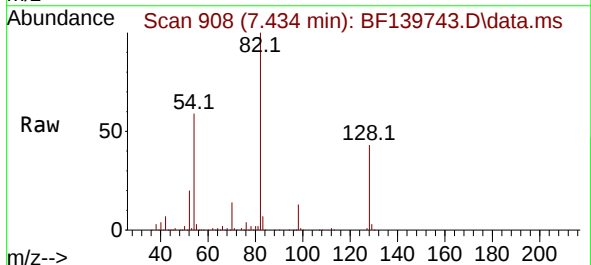
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

Tgt Ion: 99 Resp: 802616
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 36.3 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 20.649 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

Tgt Ion: 70 Resp: 80014
Ion Ratio Lower Upper
70 100
42 54.8 58.0 87.0#
101 0.0 7.8 11.8#
130 2.0 15.9 23.9#

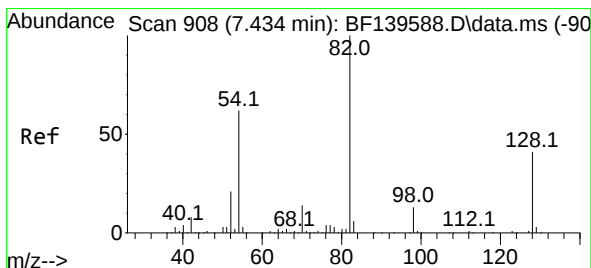
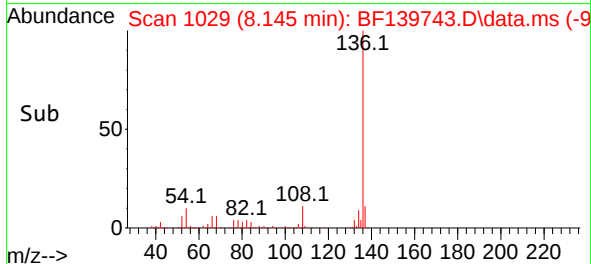
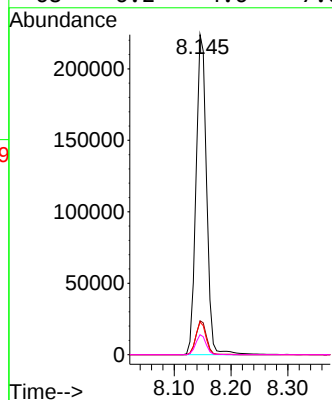
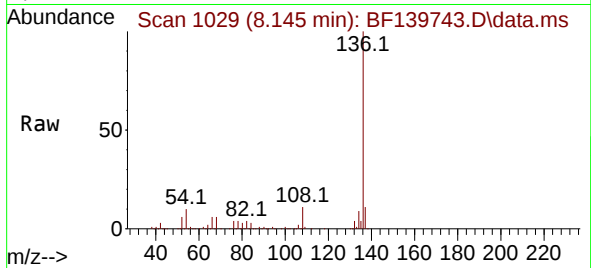




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

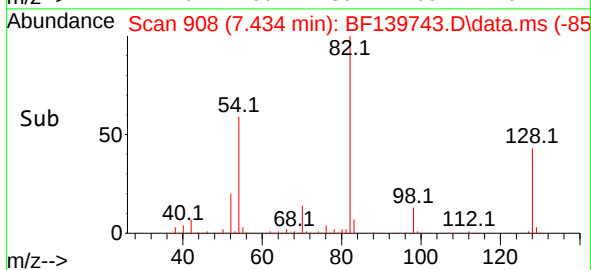
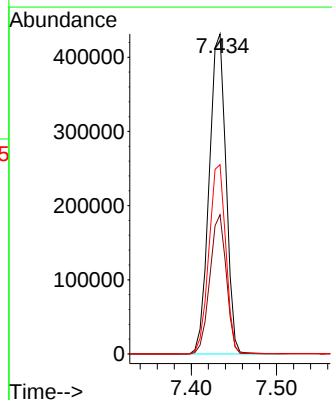
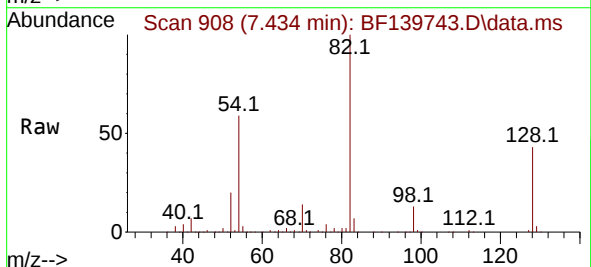
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

Tgt Ion:136 Resp: 290641
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 10.2 8.3 12.5
68 6.2 4.6 7.0



#23
Nitrobenzene-d5
Concen: 103.065 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.000 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

Tgt Ion: 82 Resp: 591642
Ion Ratio Lower Upper
82 100
128 43.5 32.4 48.6
54 59.2 49.1 73.7

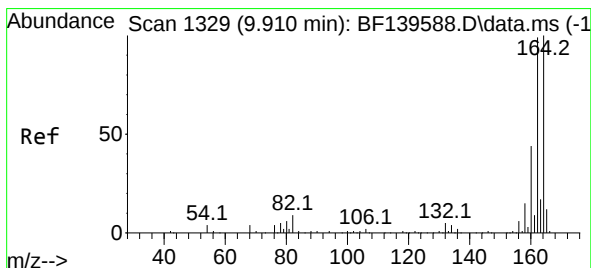
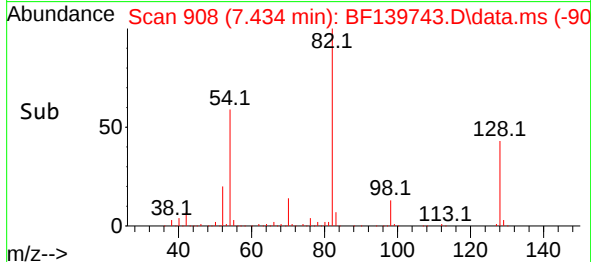
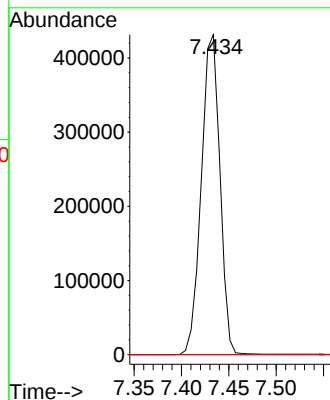
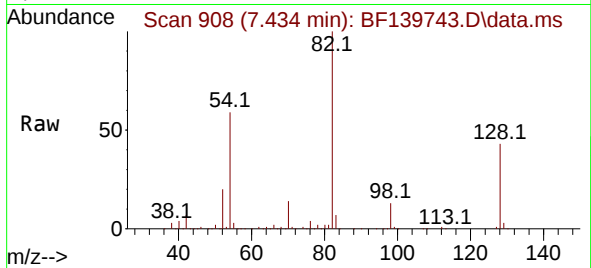




#25
Isophorone
Concen: 57.737 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

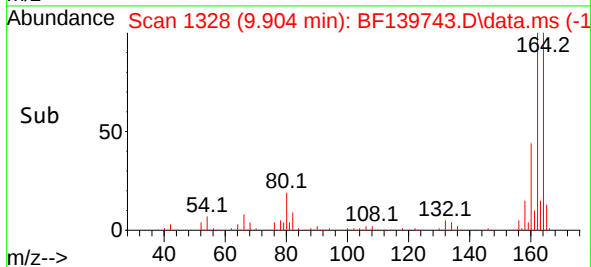
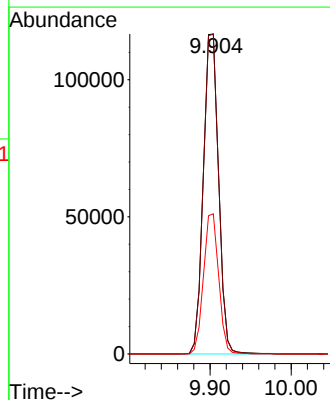
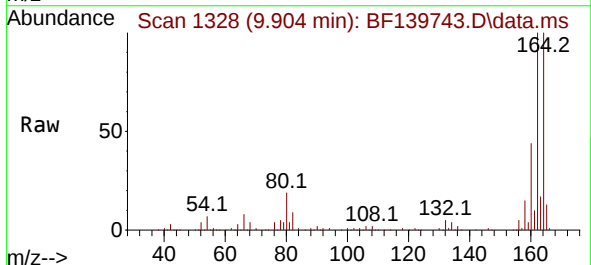
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

Tgt Ion: 82 Resp: 588669
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

Tgt Ion: 164 Resp: 152660
Ion Ratio Lower Upper
164 100
162 100.0 79.4 119.0
160 43.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 140.464 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139743.D

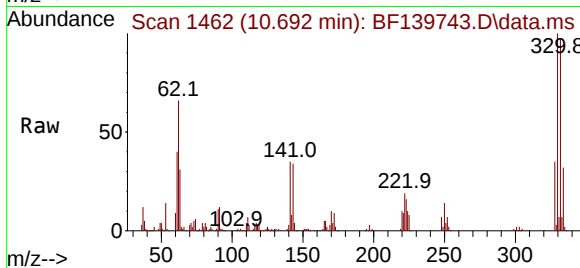
Acq: 10 Oct 2024 13:39

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL



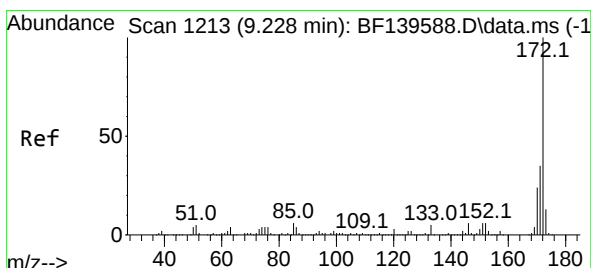
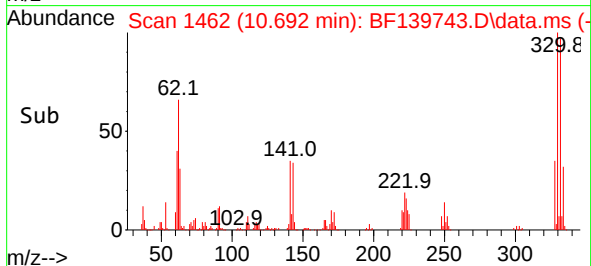
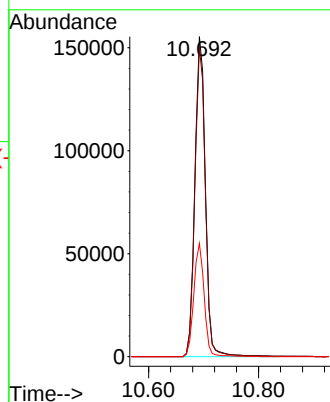
Tgt Ion:330 Resp: 206999

Ion Ratio Lower Upper

330 100

332 96.6 76.5 114.7

141 34.9 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 108.325 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139743.D

Acq: 10 Oct 2024 13:39

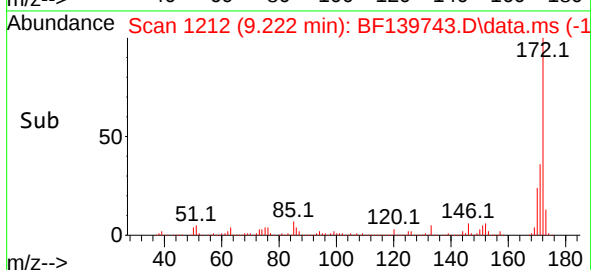
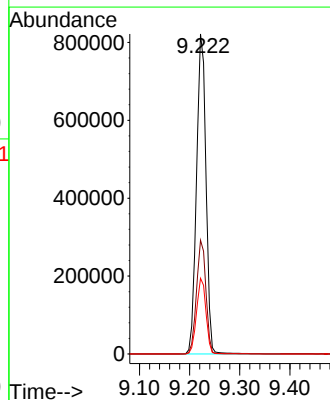
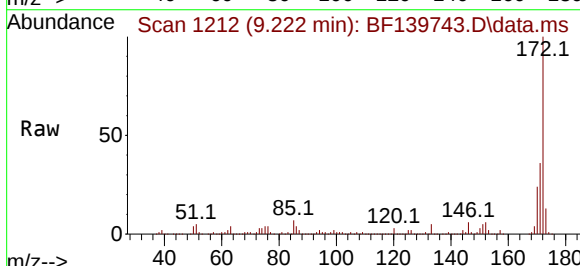
Tgt Ion:172 Resp: 1077190

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.7 18.8 28.2

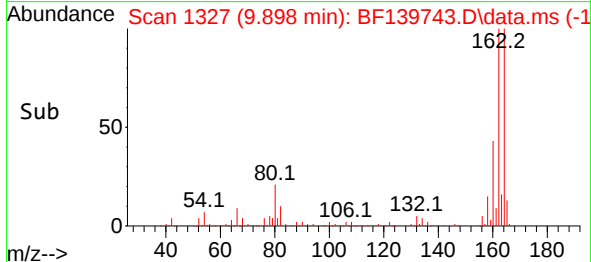
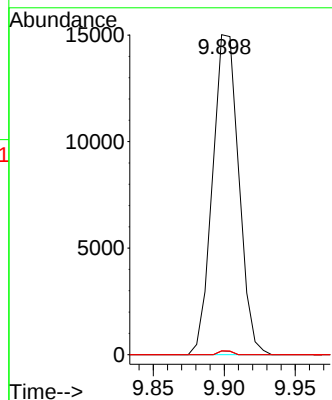
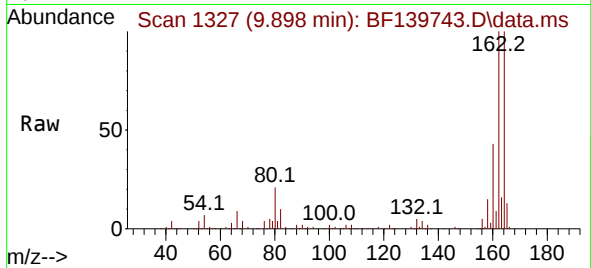




#51
2,6-Dinitrotoluene
Concen: 8.562 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

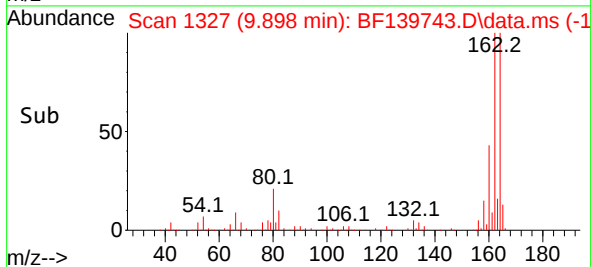
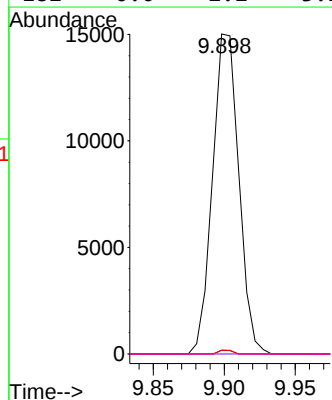
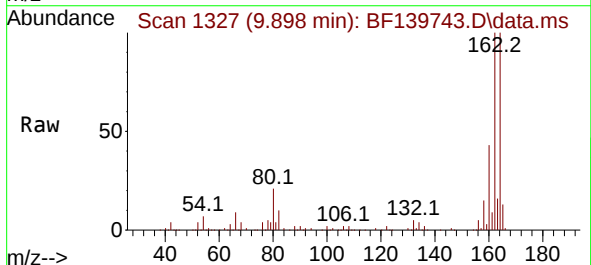
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOIL

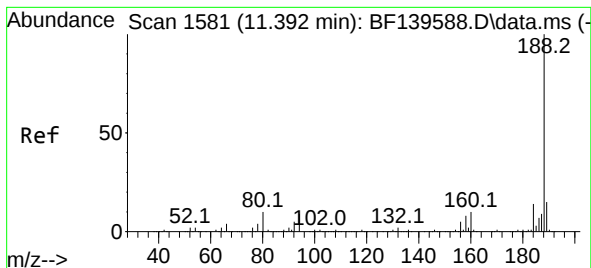
Tgt Ion:165 Resp: 19329
Ion Ratio Lower Upper
165 100
63 1.1 56.7 85.1#
89 1.2 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.551 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139743.D
Acq: 10 Oct 2024 13:39

Tgt Ion:165 Resp: 19329
Ion Ratio Lower Upper
165 100
63 1.1 46.9 70.3#
89 1.2 64.4 96.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139743.D

Acq: 10 Oct 2024 13:39

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

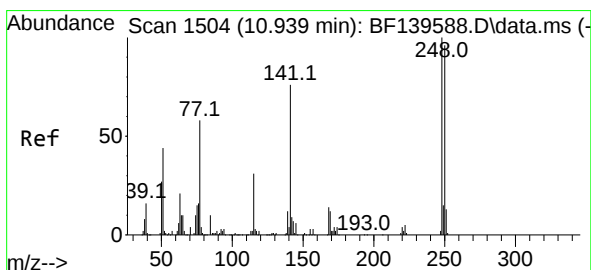
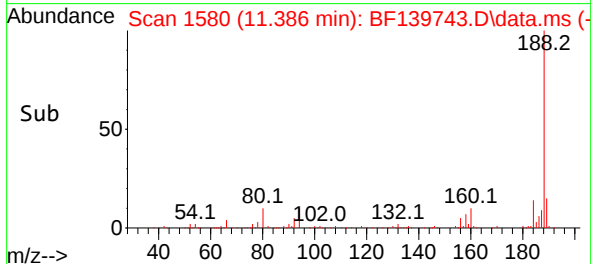
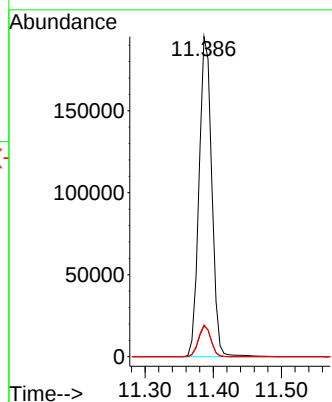
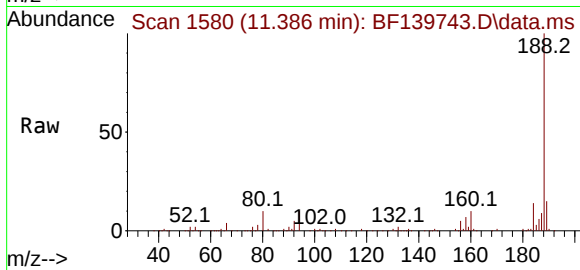
Tgt Ion:188 Resp: 252437

Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

80 9.9 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 5.277 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF139743.D

Acq: 10 Oct 2024 13:39

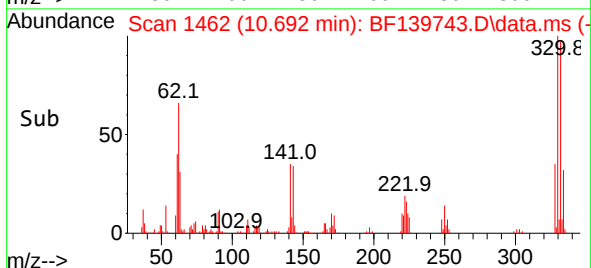
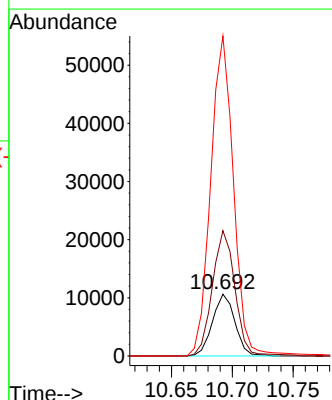
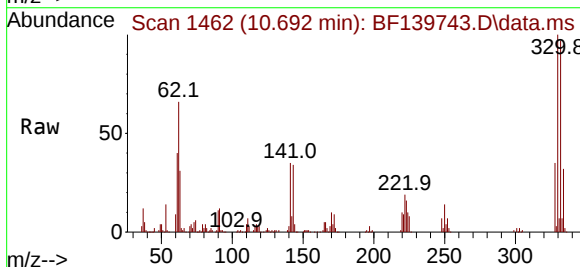
Tgt Ion:248 Resp: 13657

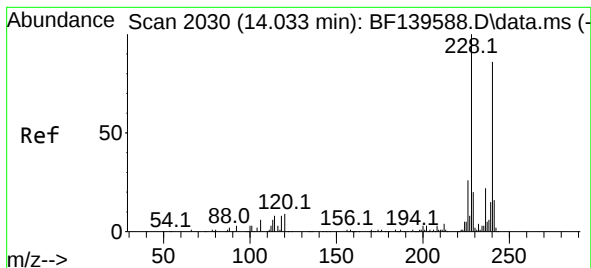
Ion Ratio Lower Upper

248 100

250 203.1 77.1 115.7#

141 518.4 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139743.D

Acq: 10 Oct 2024 13:39

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOIL

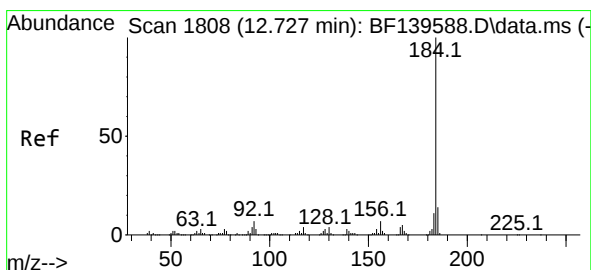
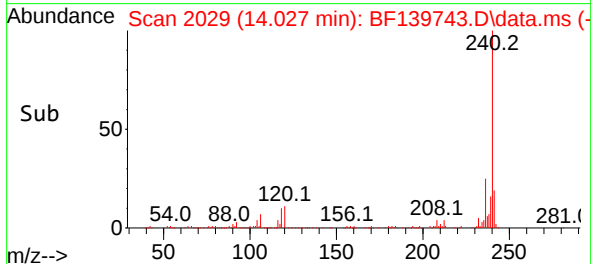
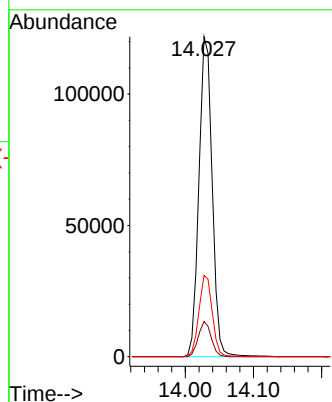
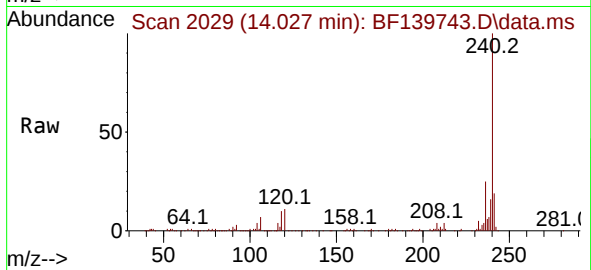
Tgt Ion:240 Resp: 164224

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

236 25.4 20.3 30.5



#77

Benzidine

Concen: 4.132 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139743.D

Acq: 10 Oct 2024 13:39

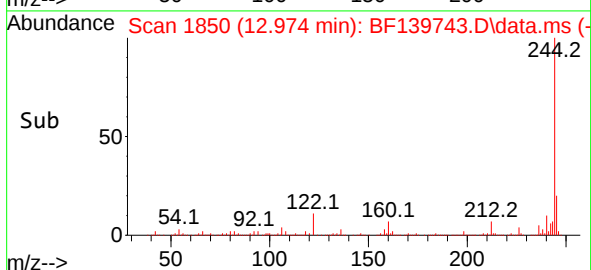
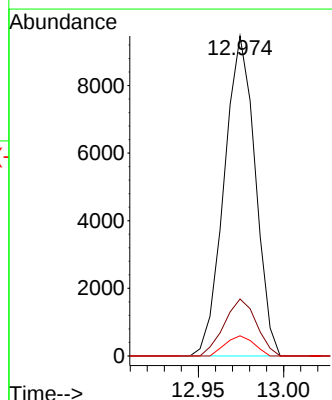
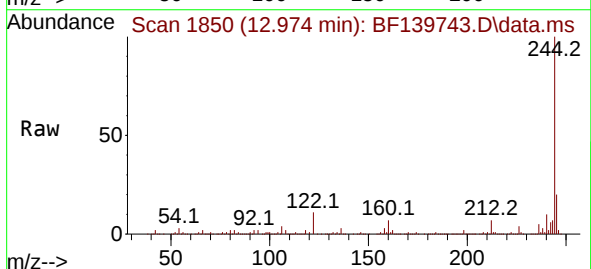
Tgt Ion:184 Resp: 11970

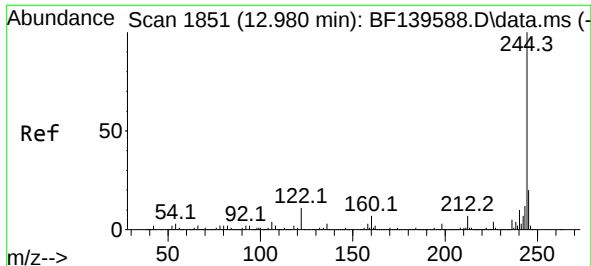
Ion Ratio Lower Upper

184 100

185 17.8 11.4 17.0#

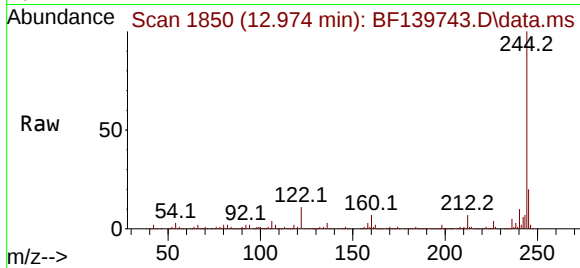
183 6.3 8.8 13.2#



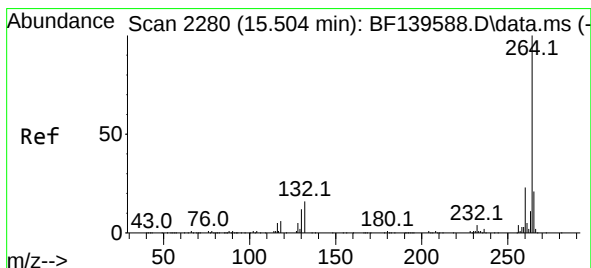
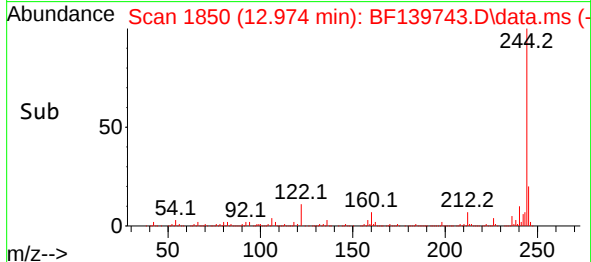
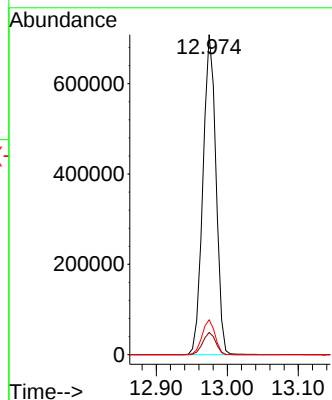


#79
 Terphenyl-d14
 Concen: 90.505 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF139743.D
 Acq: 10 Oct 2024 13:39

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-SOIL



Tgt Ion:244 Resp: 905826
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 10.9 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.000 min
 Lab File: BF139743.D
 Acq: 10 Oct 2024 13:39

Tgt Ion:264 Resp: 171238
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 21.2 16.9 25.3

