

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
 Data File : BF139797.D
 Acq On : 14 Oct 2024 19:23
 Operator : RC/JU
 Sample : P4359-02RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-SOILRE

Quant Time: Oct 15 01:12:59 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)

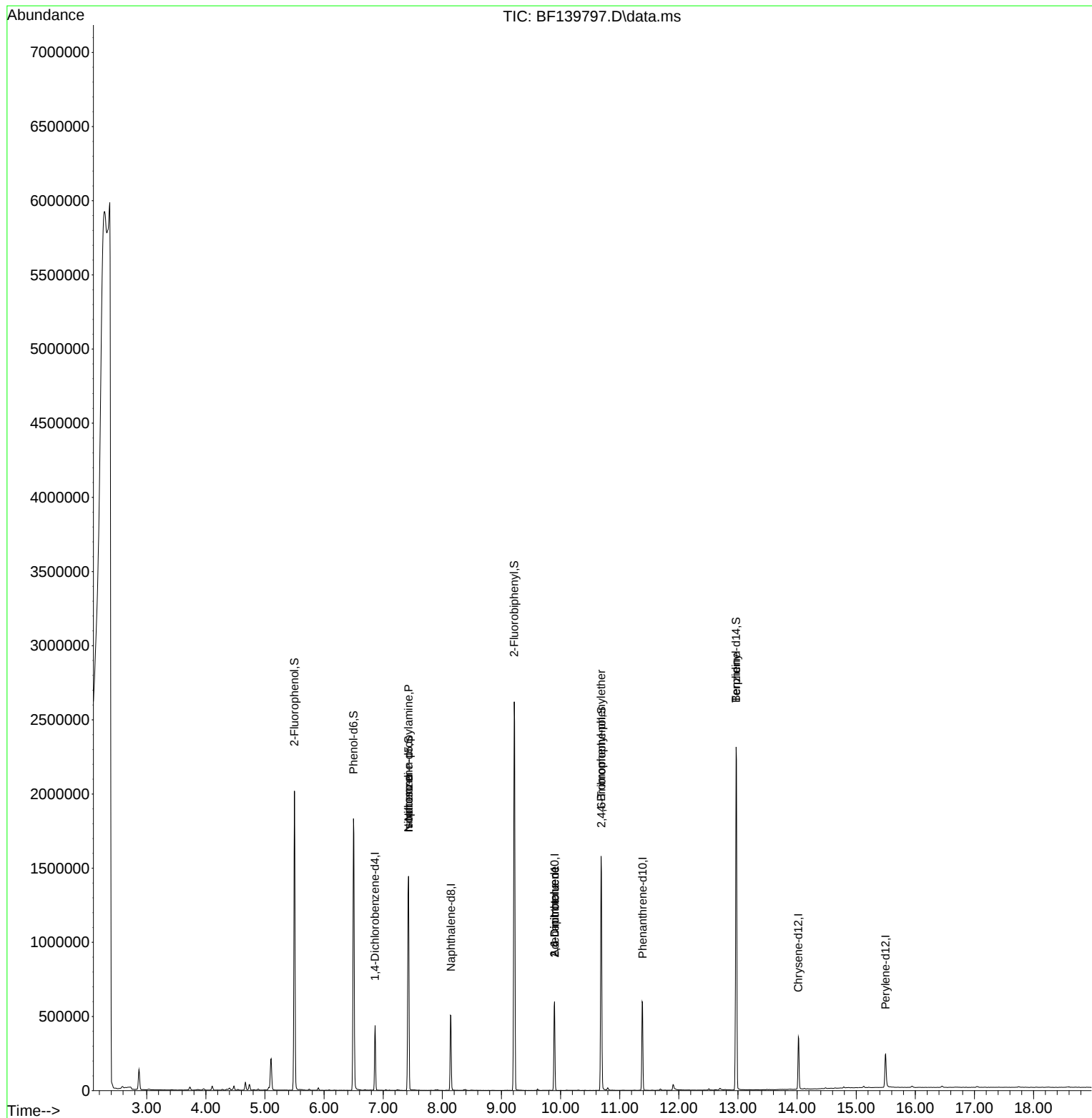
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	86179	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	325567	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	182463	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	325278	20.000	ng	0.00
76) Chrysene-d12	14.021	240	175738	20.000	ng	-0.01
86) Perylene-d12	15.498	264	145707	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	719059	144.618	ng	0.01
7) Phenol-d6	6.498	99	874697	130.817	ng	0.00
23) Nitrobenzene-d5	7.428	82	657043	102.179	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	258847	146.957	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1192630	100.344	ng	-0.01
79) Terphenyl-d14	12.969	244	1202979	112.320	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	89147	20.738	ng	# 74
25) Isophorone	7.428	82	650931	56.995	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	24308	9.009	ng	# 17
57) 2,4-Dinitrotoluene	9.898	165	24308	6.892	ng	# 17
67) 4-Bromophenyl-phenylether	10.686	248	17707	5.309	ng	# 1
77) Benzidine	12.969	184	16028	5.171	ng	# 92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101424\
Data File : BF139797.D
Acq On : 14 Oct 2024 19:23
Operator : RC/JU
Sample : P4359-02RE
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILRE

Quant Time: Oct 15 01:12:59 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

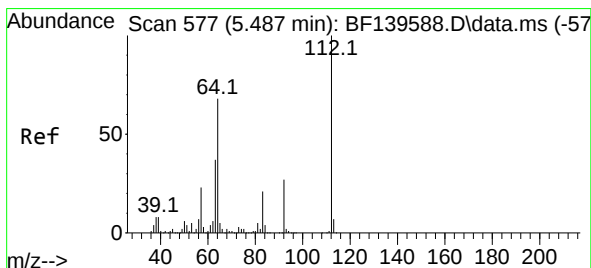
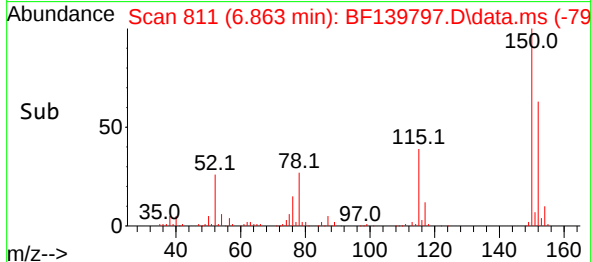
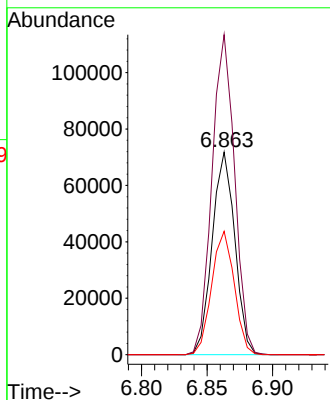
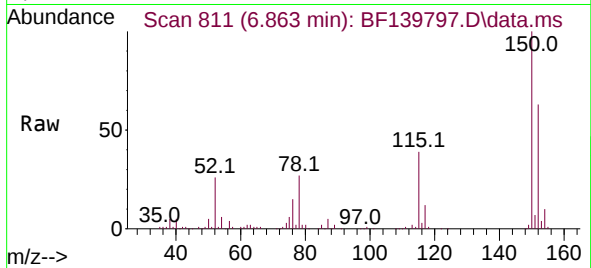




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139797.D
Acq: 14 Oct 2024 19:23

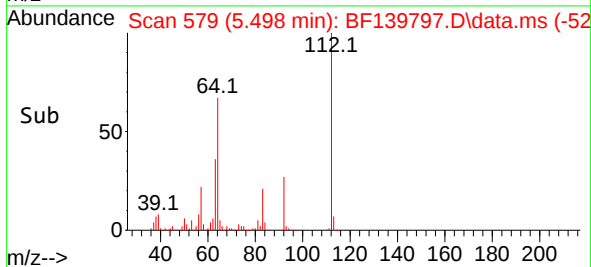
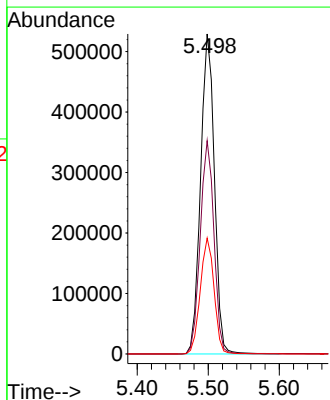
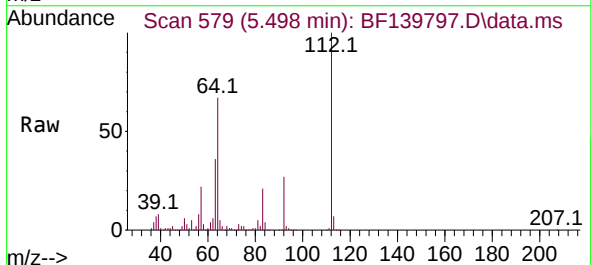
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILRE

Tgt Ion:152 Resp: 86179
Ion Ratio Lower Upper
152 100
150 158.0 127.2 190.8
115 60.9 49.0 73.4



#5
2-Fluorophenol
Concen: 144.618 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.011 min
Lab File: BF139797.D
Acq: 14 Oct 2024 19:23

Tgt Ion:112 Resp: 719059
Ion Ratio Lower Upper
112 100
64 66.6 54.2 81.4
63 36.2 29.4 44.2

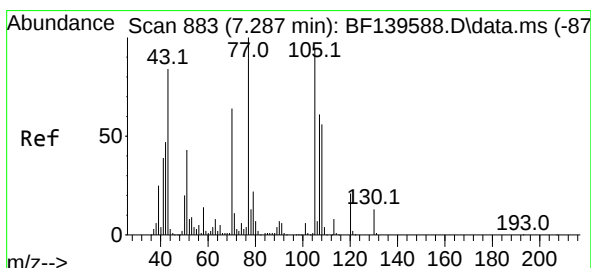
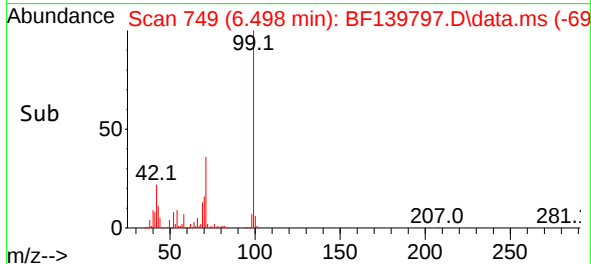
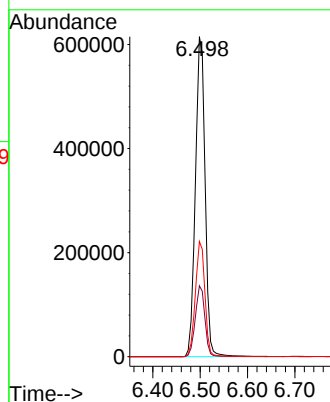
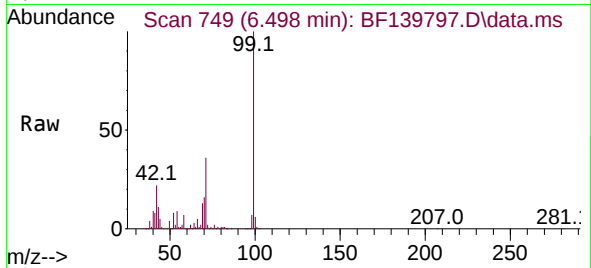




#7
Phenol-d6
Concen: 130.817 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139797.D
Acq: 14 Oct 2024 19:23

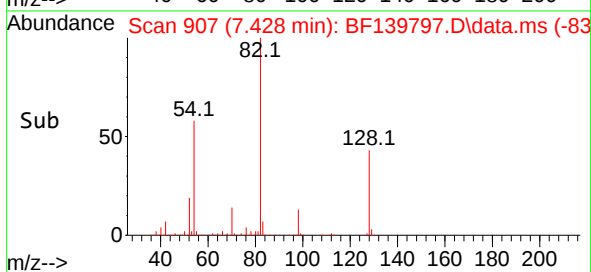
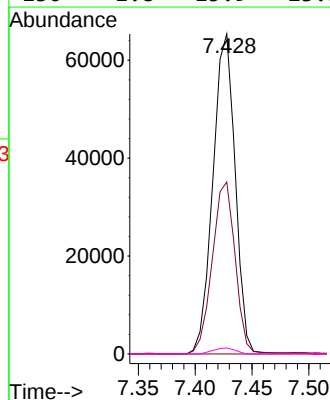
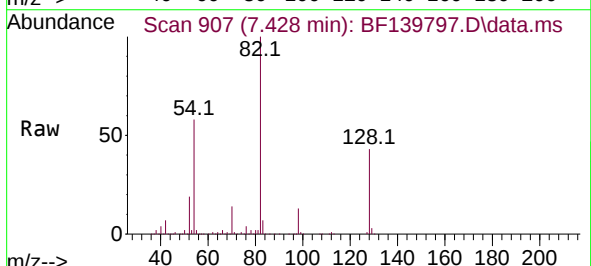
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILRE

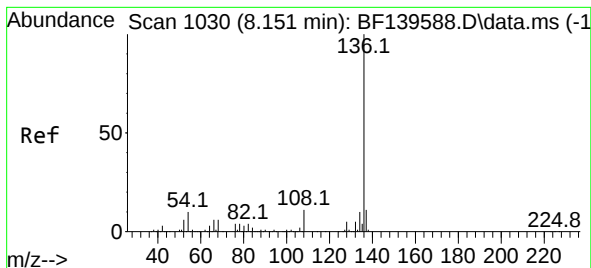
Tgt Ion: 99 Resp: 874697
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 36.0 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 20.738 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139797.D
Acq: 14 Oct 2024 19:23

Tgt Ion: 70 Resp: 89147
Ion Ratio Lower Upper
70 100
42 53.7 58.0 87.0#
101 0.0 7.8 11.8#
130 1.8 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: BF139797.D

Acq: 14 Oct 2024 19:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILRE

Tgt Ion:136 Resp: 325567

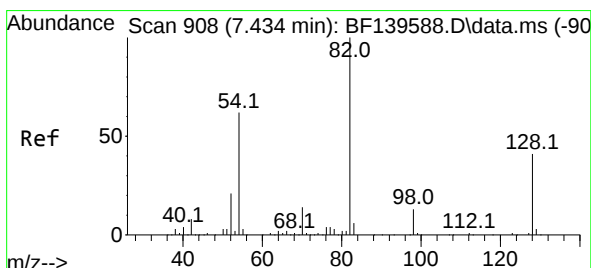
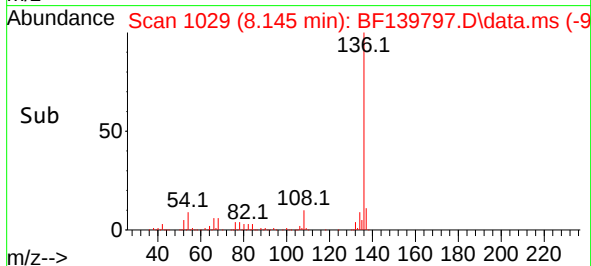
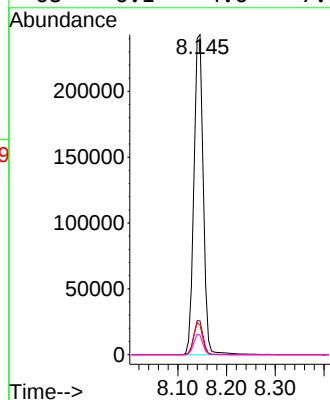
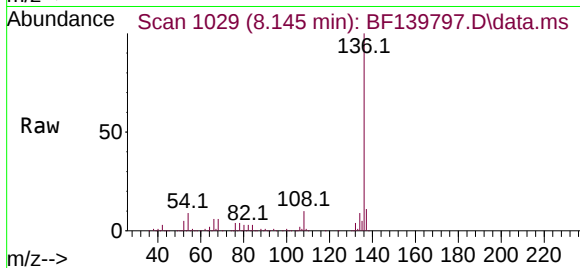
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 9.3 8.3 12.5

68 6.1 4.6 7.0



#23

Nitrobenzene-d5

Concen: 102.179 ng

RT: 7.428 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF139797.D

Acq: 14 Oct 2024 19:23

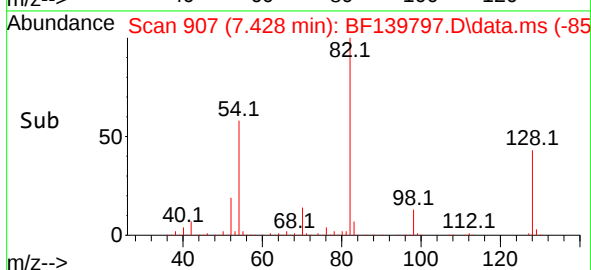
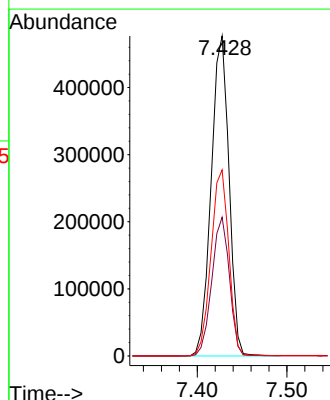
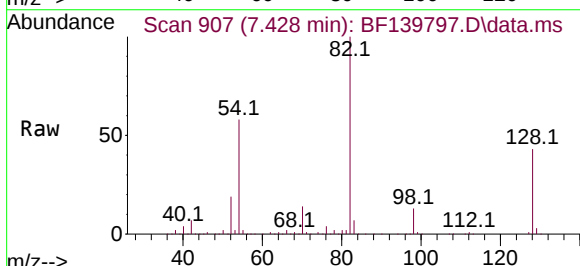
Tgt Ion: 82 Resp: 657043

Ion Ratio Lower Upper

82 100

128 43.4 32.4 48.6

54 58.1 49.1 73.7

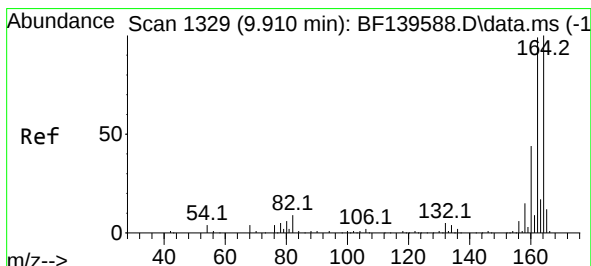
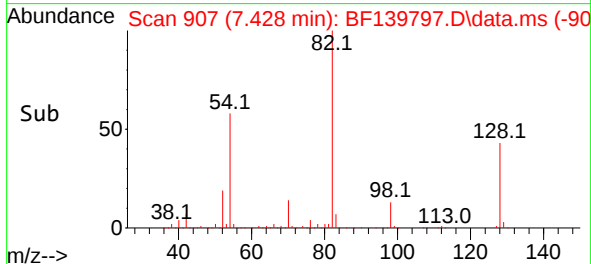
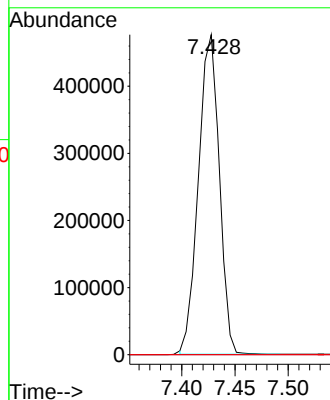
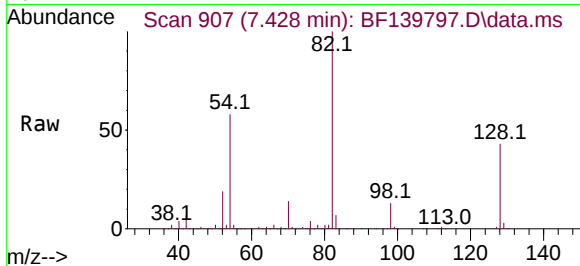




#25
Isophorone
Concen: 56.995 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139797.D
Acq: 14 Oct 2024 19:23

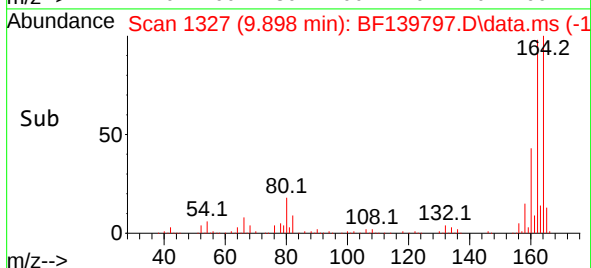
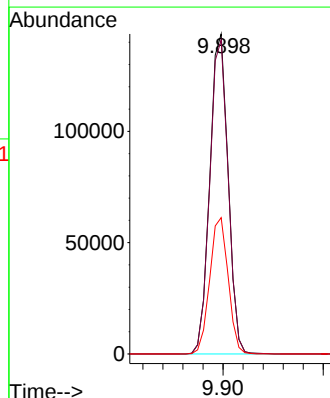
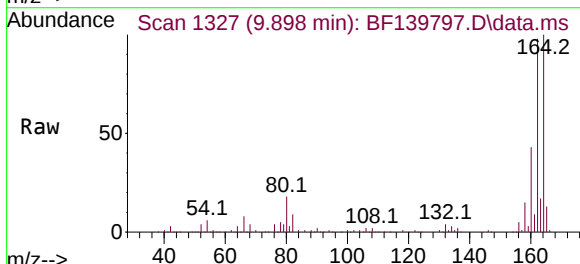
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILRE

Tgt Ion: 82 Resp: 650931
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: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139797.D
Acq: 14 Oct 2024 19:23

Tgt Ion:164 Resp: 182463
Ion Ratio Lower Upper
164 100
162 98.1 79.4 119.0
160 42.6 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 146.957 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139797.D

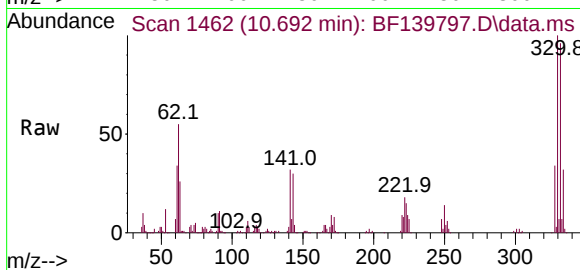
Acq: 14 Oct 2024 19:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILRE



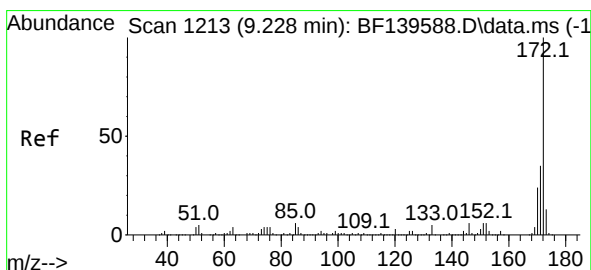
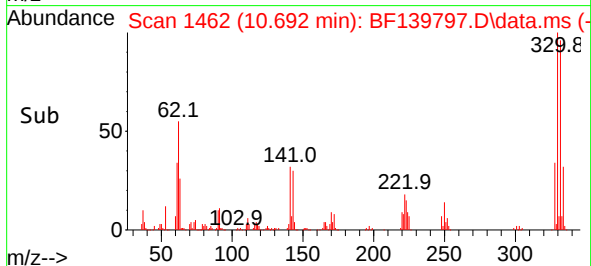
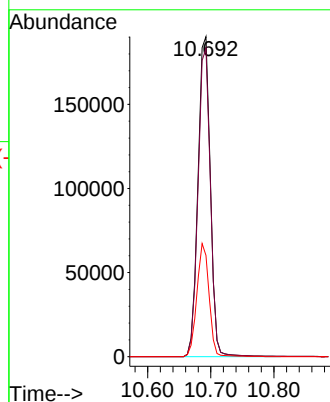
Tgt Ion:330 Resp: 258847

Ion Ratio Lower Upper

330 100

332 96.5 76.5 114.7

141 34.9 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 100.344 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.012 min

Lab File: BF139797.D

Acq: 14 Oct 2024 19:23

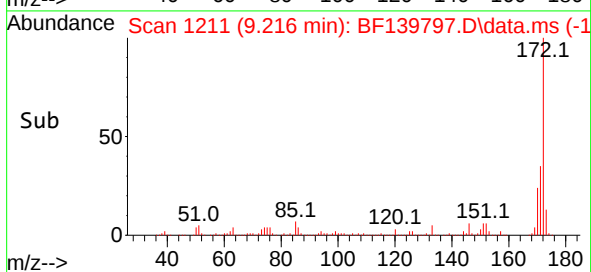
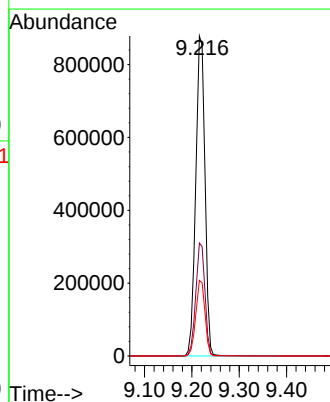
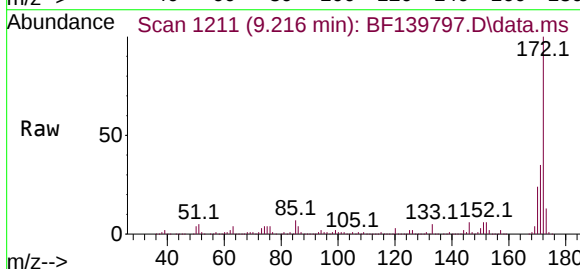
Tgt Ion:172 Resp: 1192630

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

170 23.6 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.009 ng

RT: 9.898 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF139797.D

Acq: 14 Oct 2024 19:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILRE

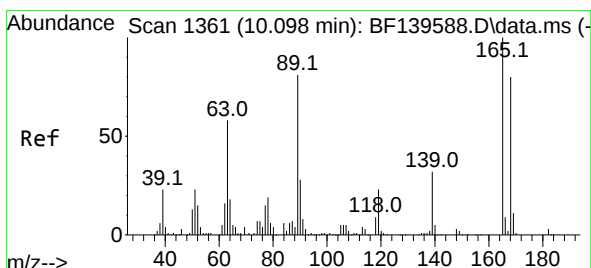
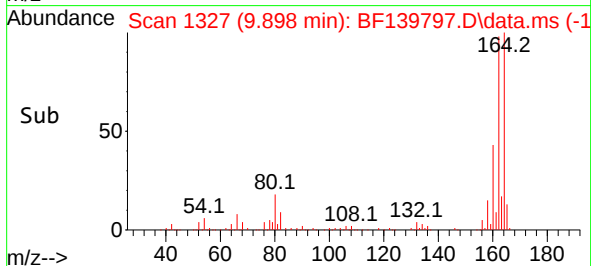
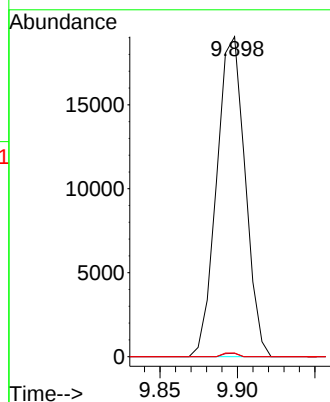
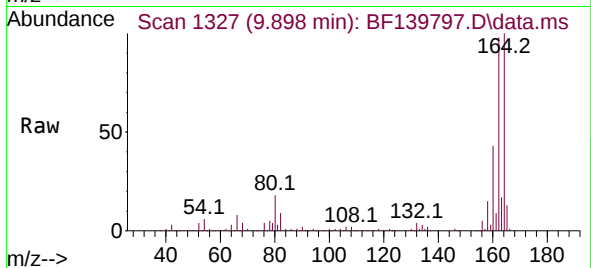
Tgt Ion:165 Resp: 24308

Ion Ratio Lower Upper

165 100

63 1.0 56.7 85.1#

89 1.1 51.6 77.4#



#57

2,4-Dinitrotoluene

Concen: 6.892 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.200 min

Lab File: BF139797.D

Acq: 14 Oct 2024 19:23

Tgt Ion:165 Resp: 24308

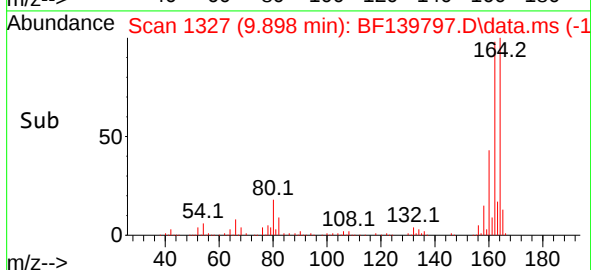
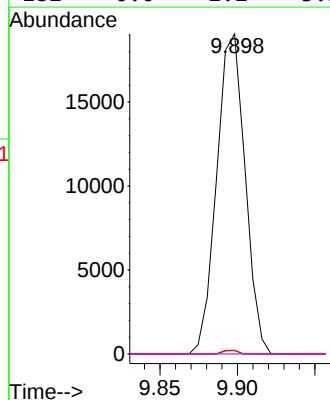
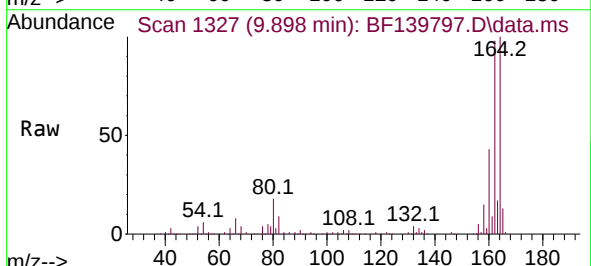
Ion Ratio Lower Upper

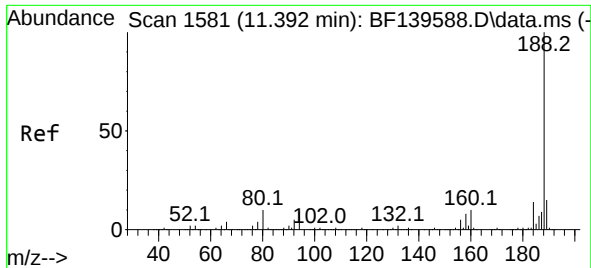
165 100

63 1.0 46.9 70.3#

89 1.1 64.4 96.6#

182 0.0 2.2 3.2#

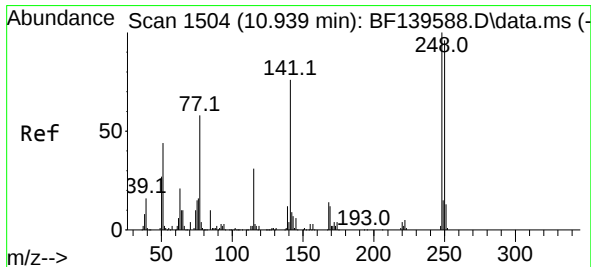
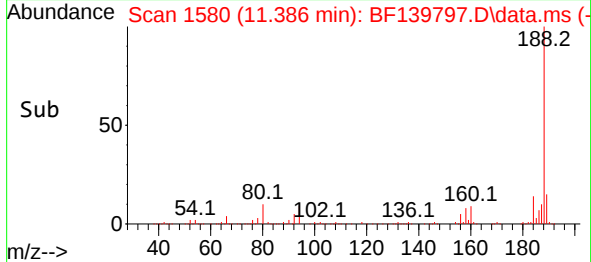
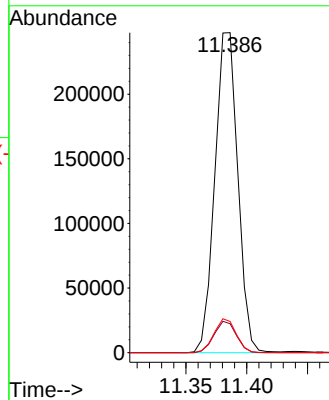
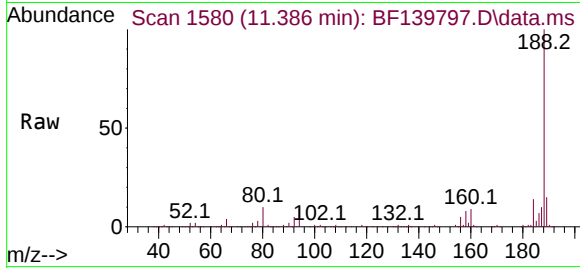




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139797.D
Acq: 14 Oct 2024 19:23

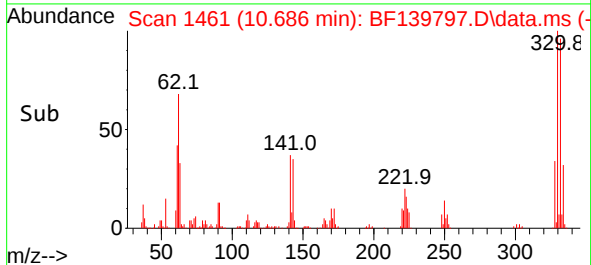
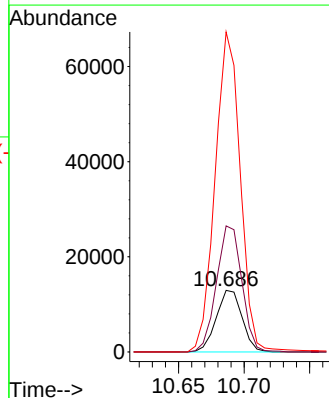
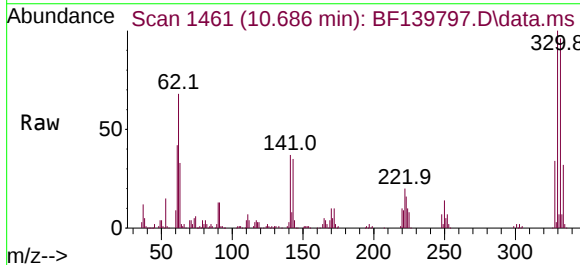
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-SOILRE

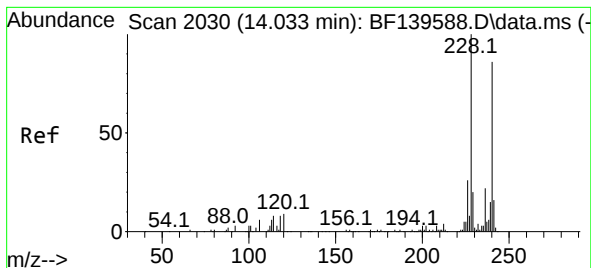
Tgt Ion:188 Resp: 325278
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.7 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 5.309 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.253 min
Lab File: BF139797.D
Acq: 14 Oct 2024 19:23

Tgt Ion:248 Resp: 17707
Ion Ratio Lower Upper
248 100
250 204.8 77.1 115.7#
141 519.6 60.4 90.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF139797.D

Acq: 14 Oct 2024 19:23

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-SOILRE

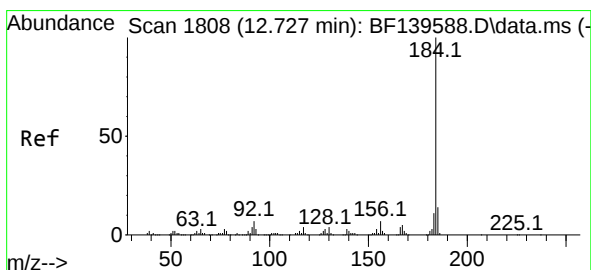
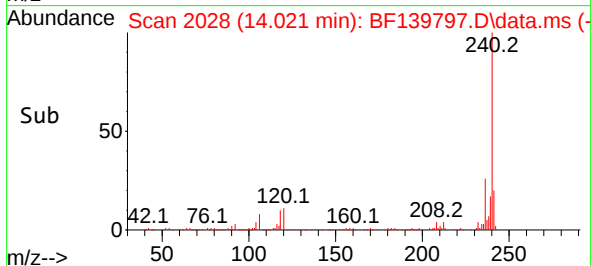
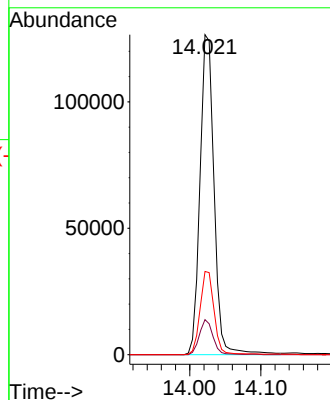
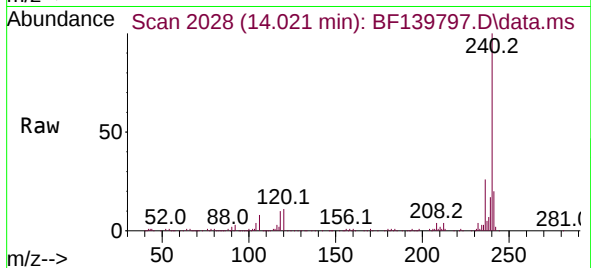
Tgt Ion:240 Resp: 175738

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 26.0 20.3 30.5



#77

Benzidine

Concen: 5.171 ng

RT: 12.969 min Scan# 1849

Delta R.T. 0.241 min

Lab File: BF139797.D

Acq: 14 Oct 2024 19:23

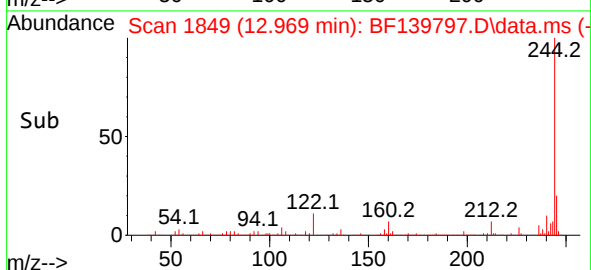
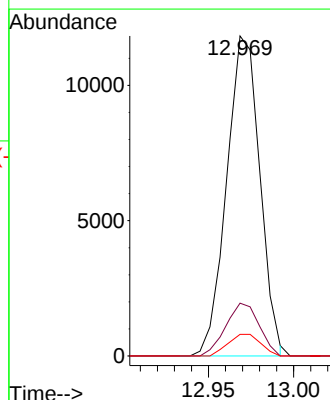
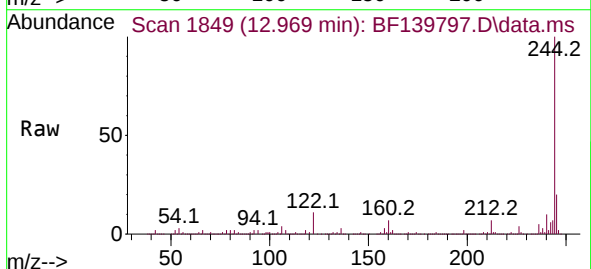
Tgt Ion:184 Resp: 16028

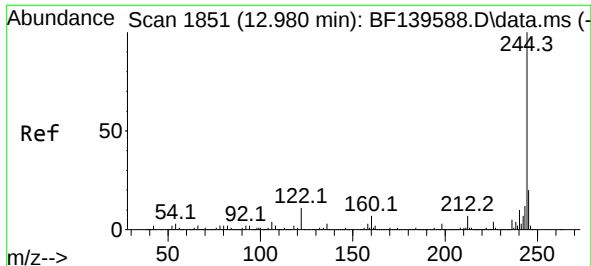
Ion Ratio Lower Upper

184 100

185 16.5 11.4 17.0

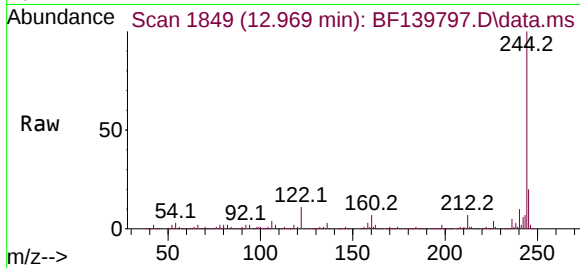
183 6.7 8.8 13.2#





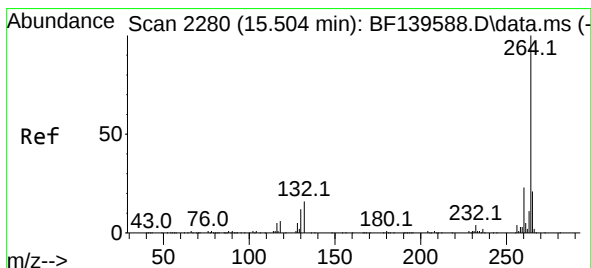
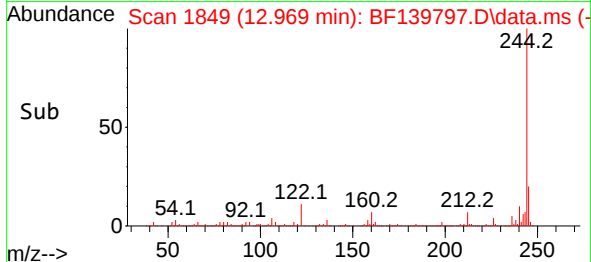
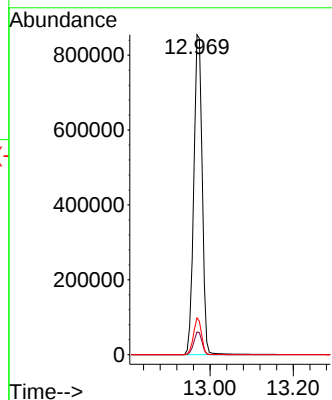
#79
 Terphenyl-d14
 Concen: 112.320 ng
 RT: 12.969 min Scan# 1849
 Delta R.T. -0.011 min
 Lab File: BF139797.D
 Acq: 14 Oct 2024 19:23

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-SOILRE



Tgt Ion:244 Resp: 1202979

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	11.5	8.6	12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2279
 Delta R.T. -0.006 min
 Lab File: BF139797.D
 Acq: 14 Oct 2024 19:23

Tgt Ion:264 Resp: 145707

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	21.5	16.9	25.3

