

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021022\
 Data File : BF126845.D
 Acq On : 10 Feb 2022 15:59
 Operator : CG\JU
 Sample : N1357-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Feb 10 17:21:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 10 00:44:00 2022
 Response via : Initial Calibration

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

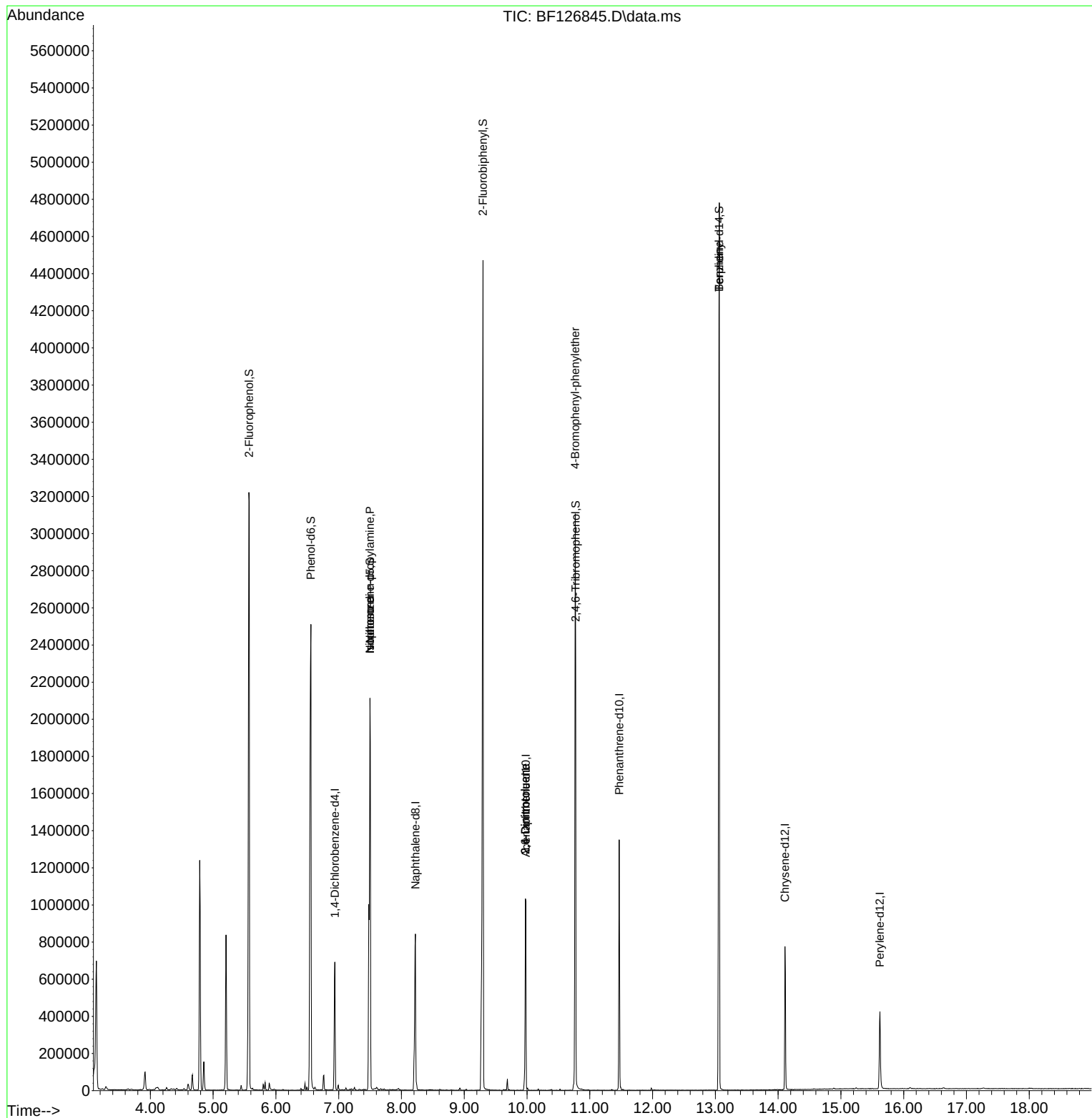
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	113195	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	458812	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	232467	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	407036	20.000	ng	0.00
76) Chrysene-d12	14.110	240	237992	20.000	ng	#-0.01
86) Perylene-d12	15.621	264	180820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	977402	132.944	ng	0.02
7) Phenol-d6	6.557	99	1163381	117.216	ng	0.00
23) Nitrobenzene-d5	7.498	82	1017137	102.287	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	361875	145.202	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1552522	100.530	ng	0.00
79) Terphenyl-d14	13.063	244	1656549	99.784	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.498	70	134085	21.334	ng	# 81
25) Isophorone	7.498	82	994327	59.683	ng	# 68
51) 2,6-Dinitrotoluene	9.975	165	30116	9.042	ng	# 20
57) 2,4-Dinitrotoluene	9.975	165	30116	6.839	ng	# 16
67) 4-Bromophenyl-phenylether	10.769	248	21890	4.949	ng	# 1
77) Benzidine	13.063	184	23959	3.826	ng	97

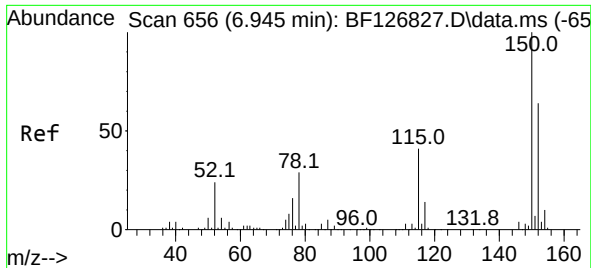
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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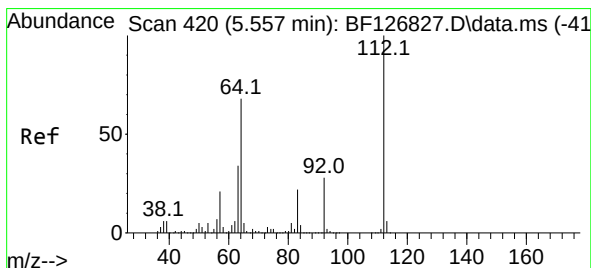
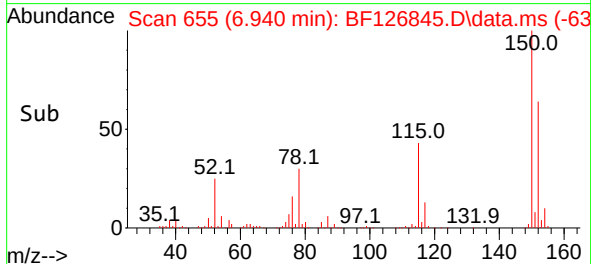
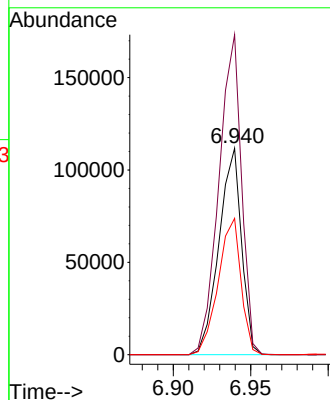
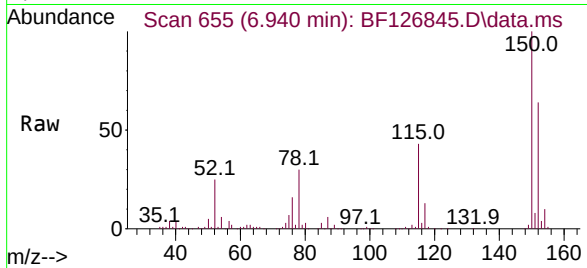




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.005 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

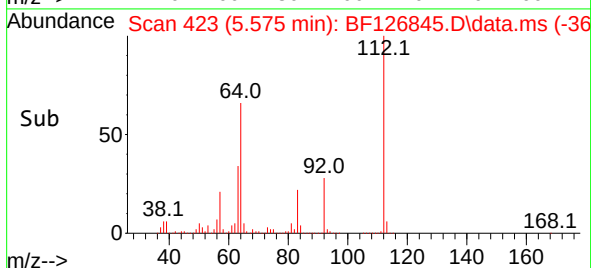
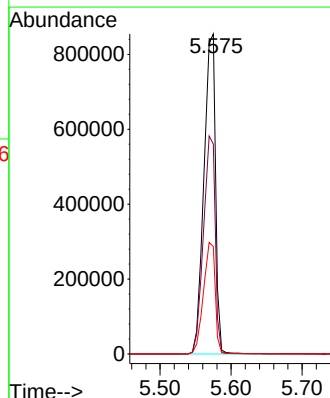
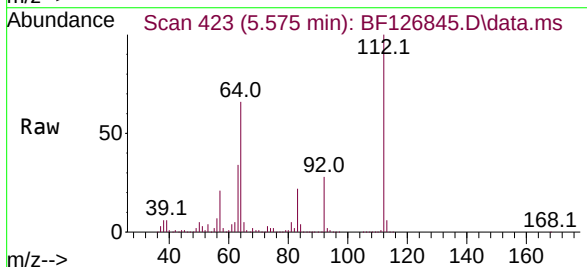
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

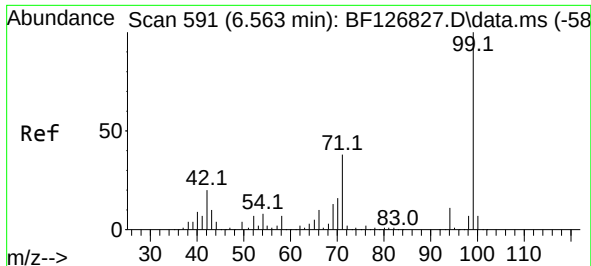
Tgt Ion:152 Resp: 113195
Ion Ratio Lower Upper
152 100
150 155.1 124.3 186.5
115 66.1 50.5 75.7



#5
2-Fluorophenol
Concen: 132.944 ng
RT: 5.575 min Scan# 423
Delta R.T. 0.018 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

Tgt Ion:112 Resp: 977402
Ion Ratio Lower Upper
112 100
64 65.6 54.3 81.5
63 33.6 27.5 41.3

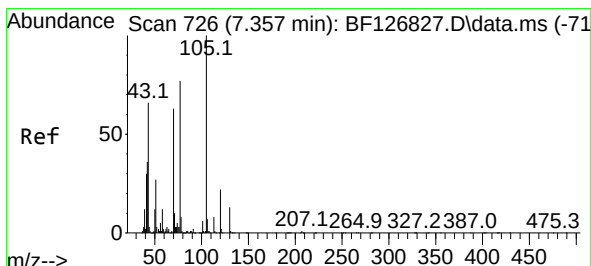
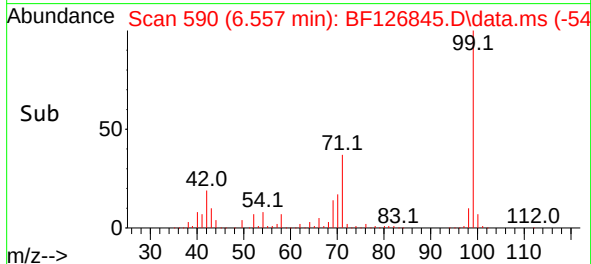
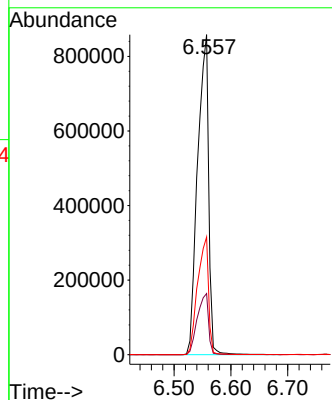
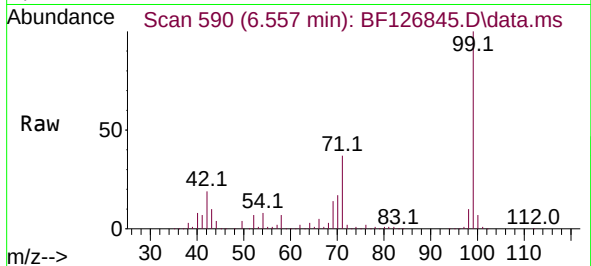




#7
Phenol-d6
Concen: 117.216 ng
RT: 6.557 min Scan# 54
Delta R.T. -0.006 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

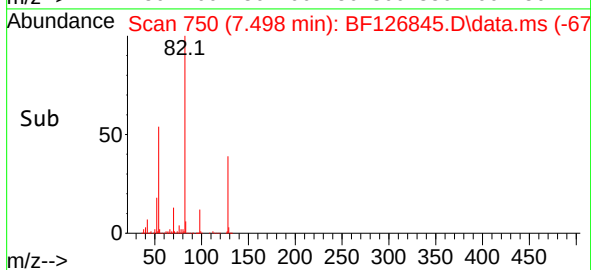
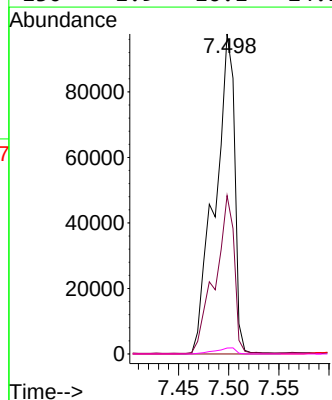
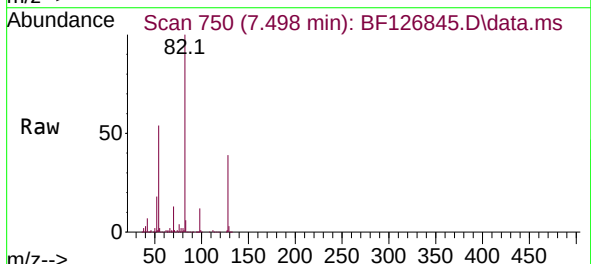
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

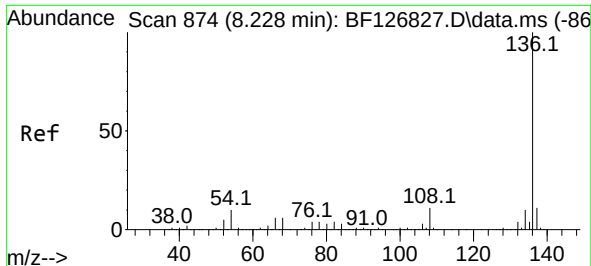
Tgt Ion: 99 Resp: 1163381
Ion Ratio Lower Upper
99 100
42 19.1 15.8 23.6
71 36.7 30.6 45.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.334 ng
RT: 7.498 min Scan# 750
Delta R.T. 0.141 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

Tgt Ion: 70 Resp: 134085
Ion Ratio Lower Upper
70 100
42 49.5 46.3 69.5
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#

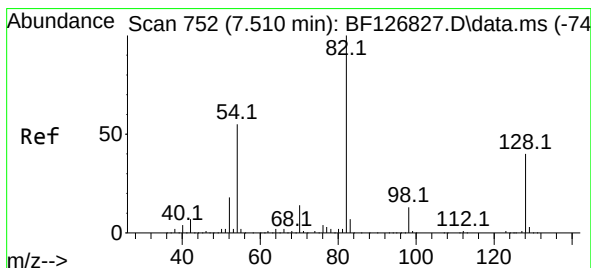
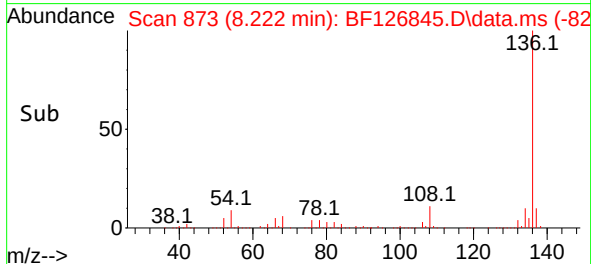
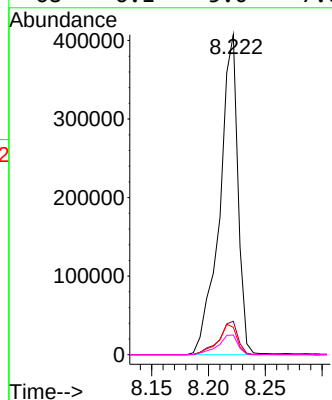
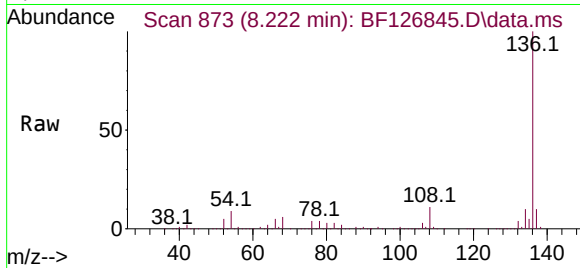




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

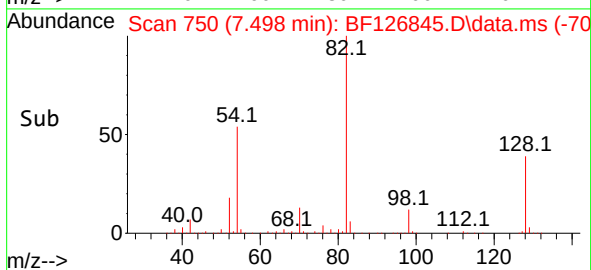
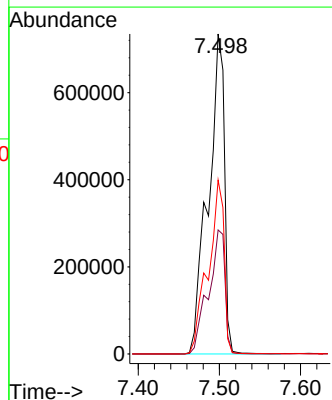
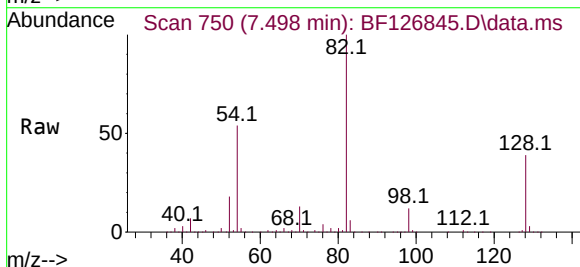
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

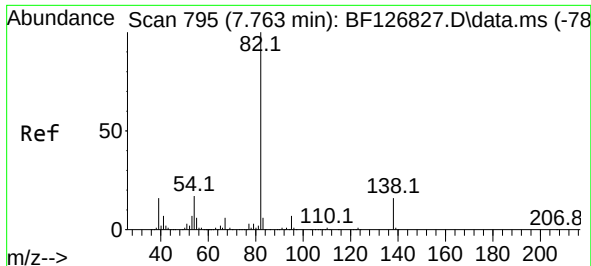
Tgt Ion:136 Resp: 458812
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 8.5 8.0 12.0
68 6.1 5.0 7.6



#23
Nitrobenzene-d5
Concen: 102.287 ng
RT: 7.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

Tgt Ion: 82 Resp: 1017137
Ion Ratio Lower Upper
82 100
128 38.7 31.6 47.4
54 54.4 43.7 65.5

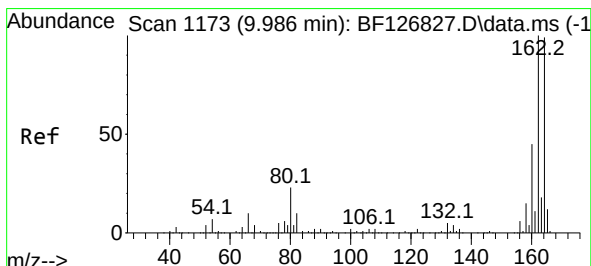
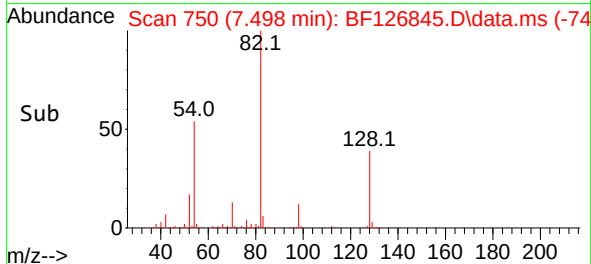
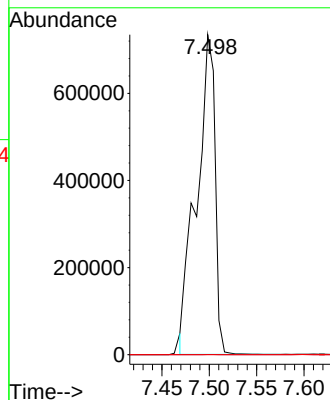
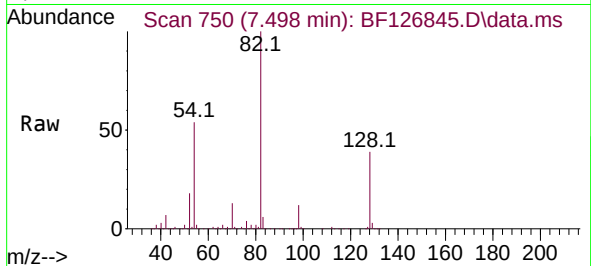




#25
Isophorone
Concen: 59.683 ng
RT: 7.498 min Scan# 71
Delta R.T. -0.265 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

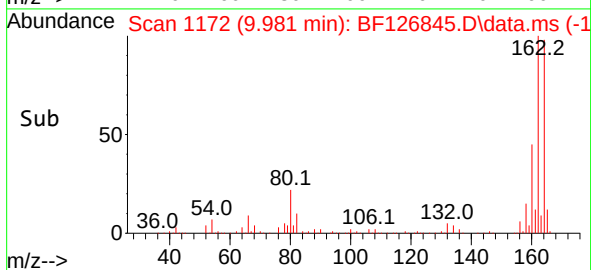
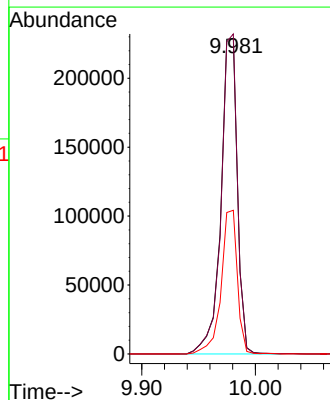
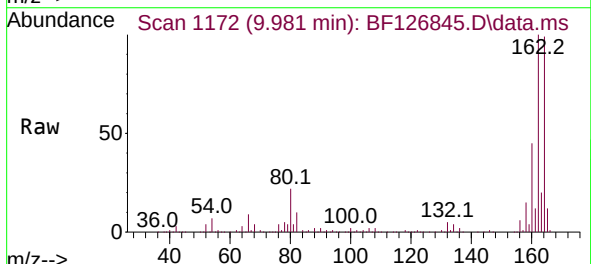
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

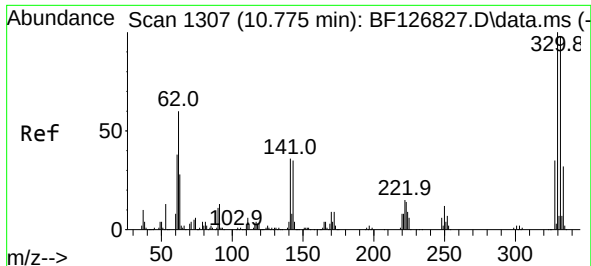
Tgt Ion: 82 Resp: 994327
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 12.6 19.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1172
Delta R.T. -0.005 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

Tgt Ion: 164 Resp: 232467
Ion Ratio Lower Upper
164 100
162 101.5 80.9 121.3
160 45.6 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 145.202 ng

RT: 10.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF126845.D

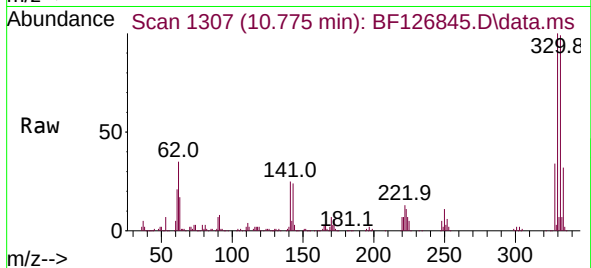
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Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS



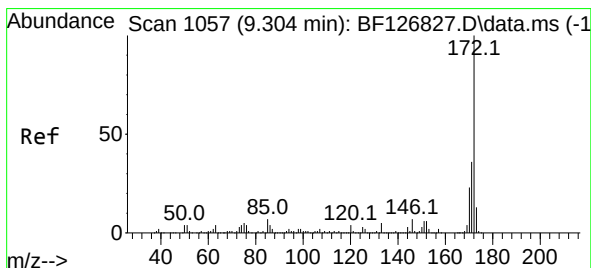
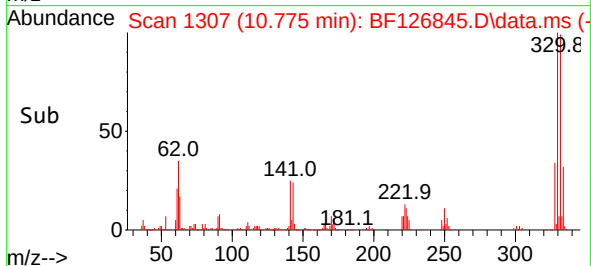
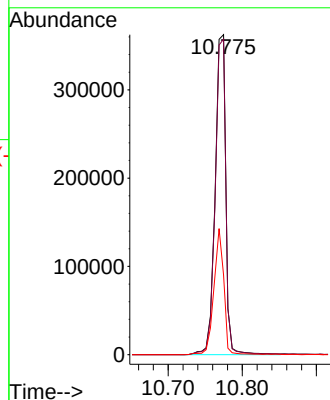
Tgt Ion:330 Resp: 361875

Ion Ratio Lower Upper

330 100

332 98.6 78.2 117.4

141 36.6 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 100.530 ng

RT: 9.298 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BF126845.D

Acq: 10 Feb 2022 15:59

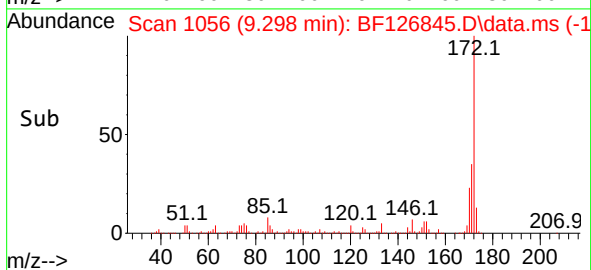
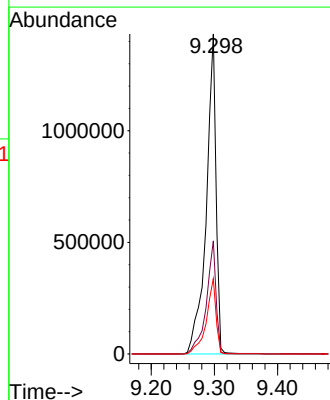
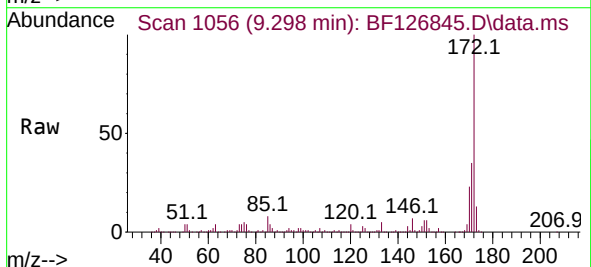
Tgt Ion:172 Resp: 1552522

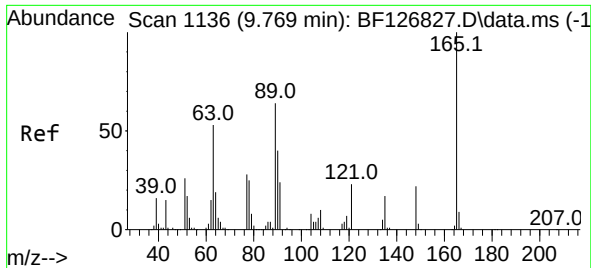
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.5 18.7 28.1

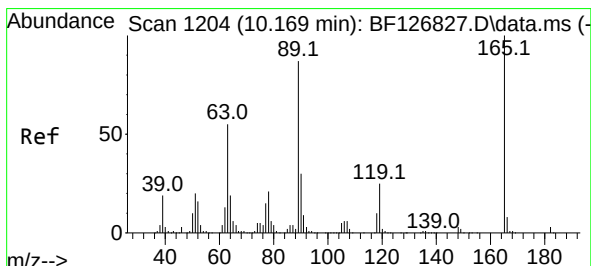
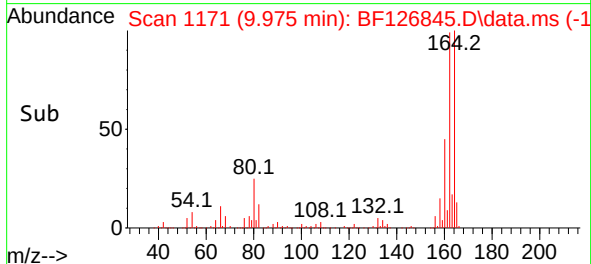
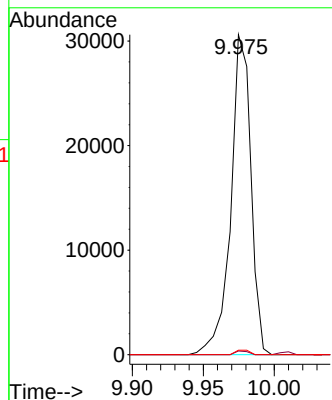
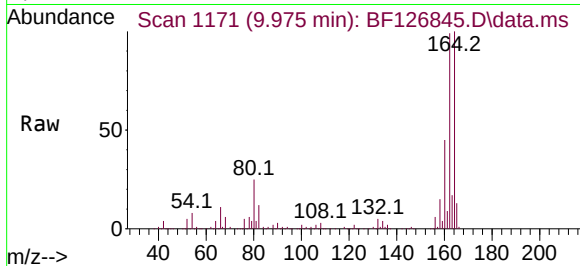




#51
2,6-Dinitrotoluene
Concen: 9.042 ng
RT: 9.975 min Scan# 1171
Delta R.T. 0.206 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

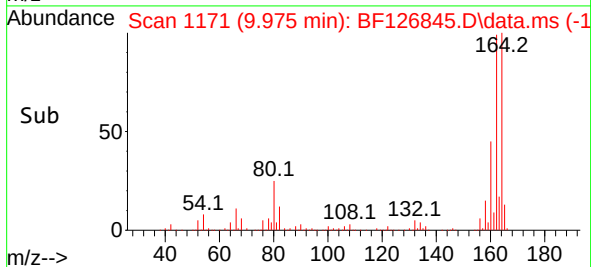
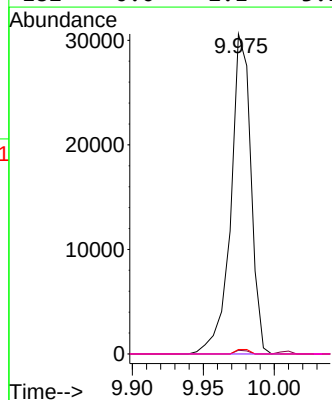
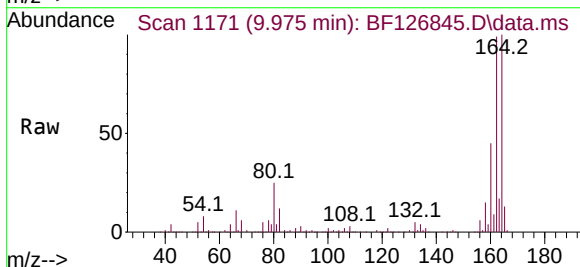
Instrument :
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SOIL-CUTTINGS

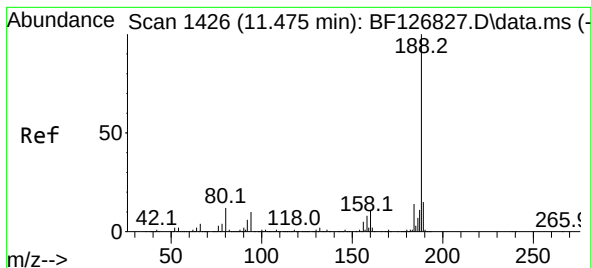
Tgt Ion:165 Resp: 30116
Ion Ratio Lower Upper
165 100
63 1.1 49.9 74.9#
89 1.4 51.0 76.4#



#57
2,4-Dinitrotoluene
Concen: 6.839 ng
RT: 9.975 min Scan# 1171
Delta R.T. -0.194 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

Tgt Ion:165 Resp: 30116
Ion Ratio Lower Upper
165 100
63 1.1 43.9 65.9#
89 1.4 69.8 104.8#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 1426

Delta R.T. -0.006 min

Lab File: BF126845.D

Acq: 10 Feb 2022 15:59

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS

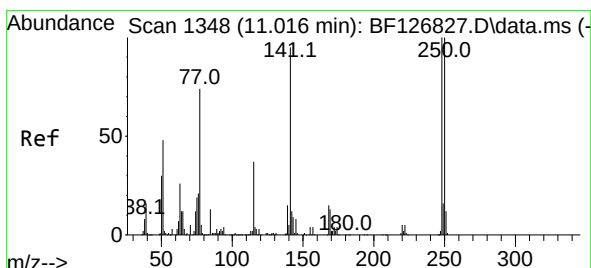
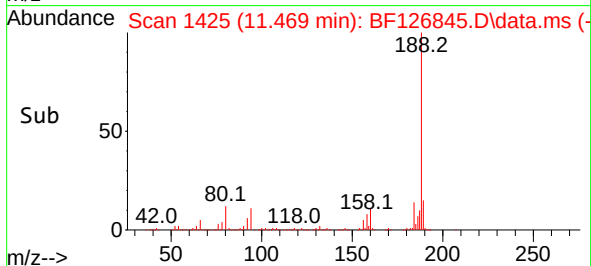
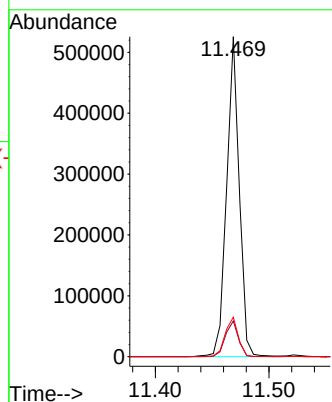
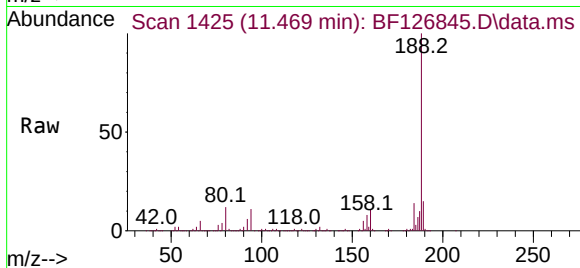
Tgt Ion:188 Resp: 407036

Ion Ratio Lower Upper

188 100

94 11.1 8.1 12.1

80 12.4 9.5 14.3



#67

4-Bromophenyl-phenylether

Concen: 4.949 ng

RT: 10.769 min Scan# 1306

Delta R.T. -0.247 min

Lab File: BF126845.D

Acq: 10 Feb 2022 15:59

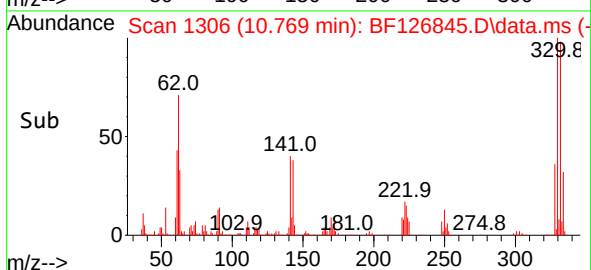
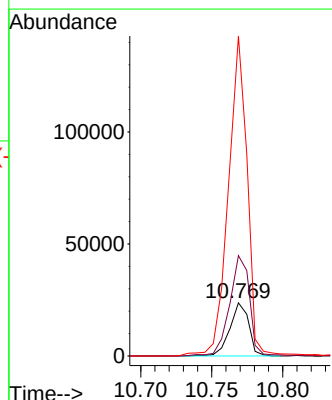
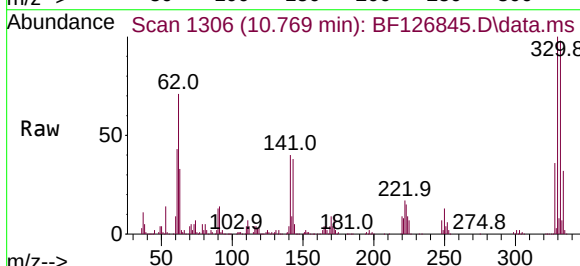
Tgt Ion:248 Resp: 21890

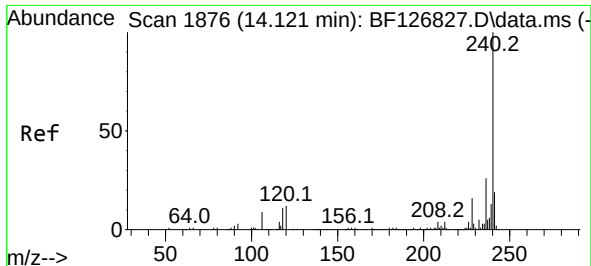
Ion Ratio Lower Upper

248 100

250 188.6 80.0 120.0#

141 601.6 75.6 113.4#

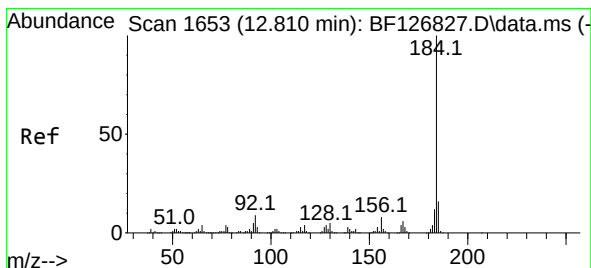
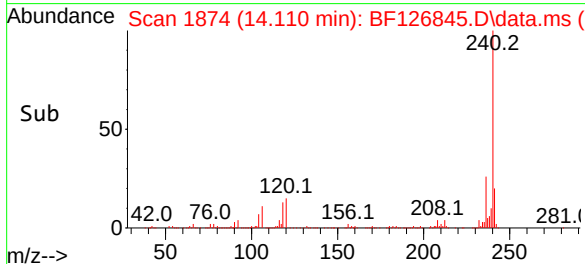
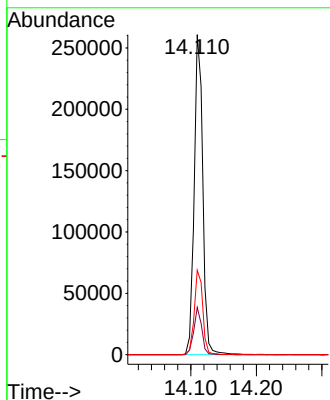
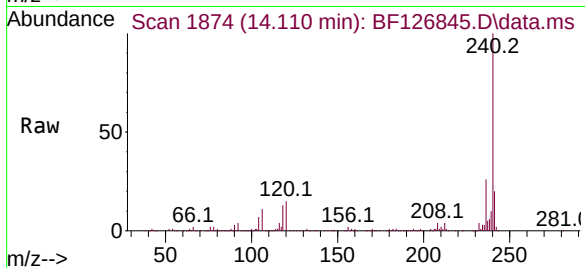




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

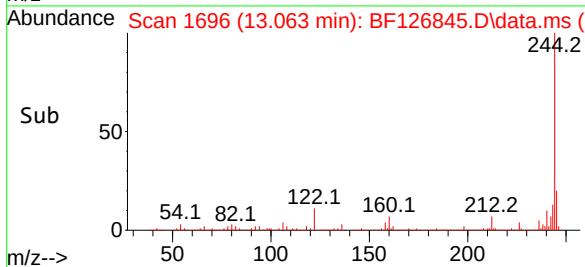
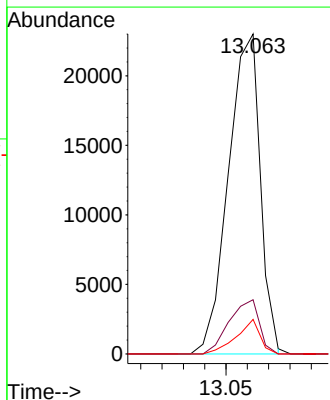
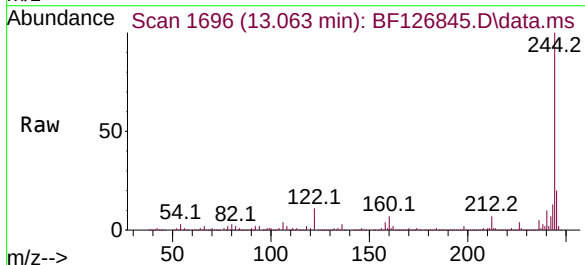
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

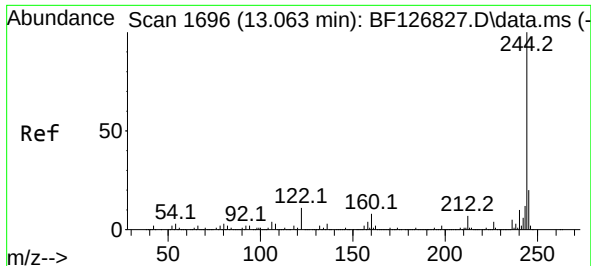
Tgt Ion:240 Resp: 237992
Ion Ratio Lower Upper
240 100
120 14.8 9.8 14.6#
236 26.4 20.5 30.7



#77
Benzidine
Concen: 3.826 ng
RT: 13.063 min Scan# 1696
Delta R.T. 0.253 min
Lab File: BF126845.D
Acq: 10 Feb 2022 15:59

Tgt Ion:184 Resp: 23959
Ion Ratio Lower Upper
184 100
185 17.0 12.5 18.7
183 10.8 9.6 14.4

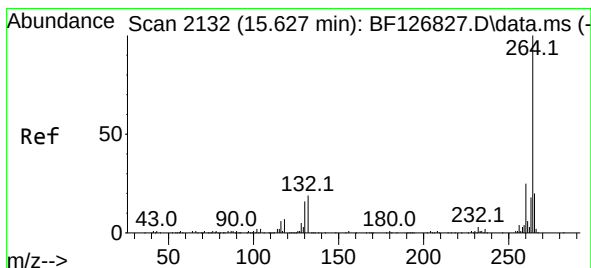
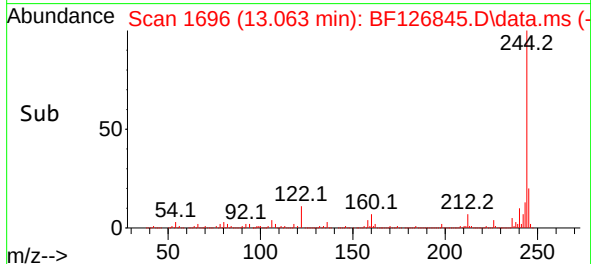
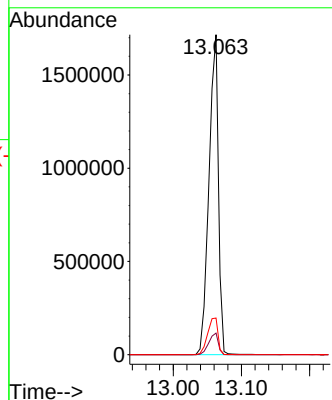
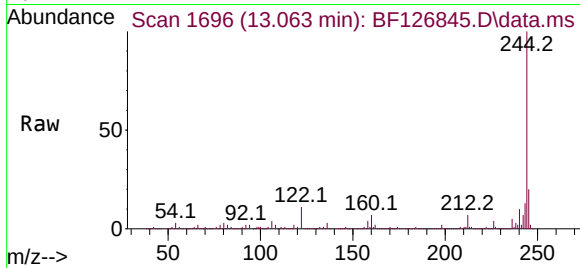




#79
 Terphenyl-d14
 Concen: 99.784 ng
 RT: 13.063 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BF126845.D
 Acq: 10 Feb 2022 15:59

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Tgt Ion:244 Resp: 1656549
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.5 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.621 min Scan# 2131
 Delta R.T. -0.006 min
 Lab File: BF126845.D
 Acq: 10 Feb 2022 15:59

Tgt Ion:264 Resp: 180820
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.6 29.4
 265 21.2 15.9 23.9

