

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042822\
 Data File : BF127977.D
 Acq On : 28 Apr 2022 13:27
 Operator : CG\JU
 Sample : N2557-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-CUTTINGS

Quant Time: Apr 28 17:23:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

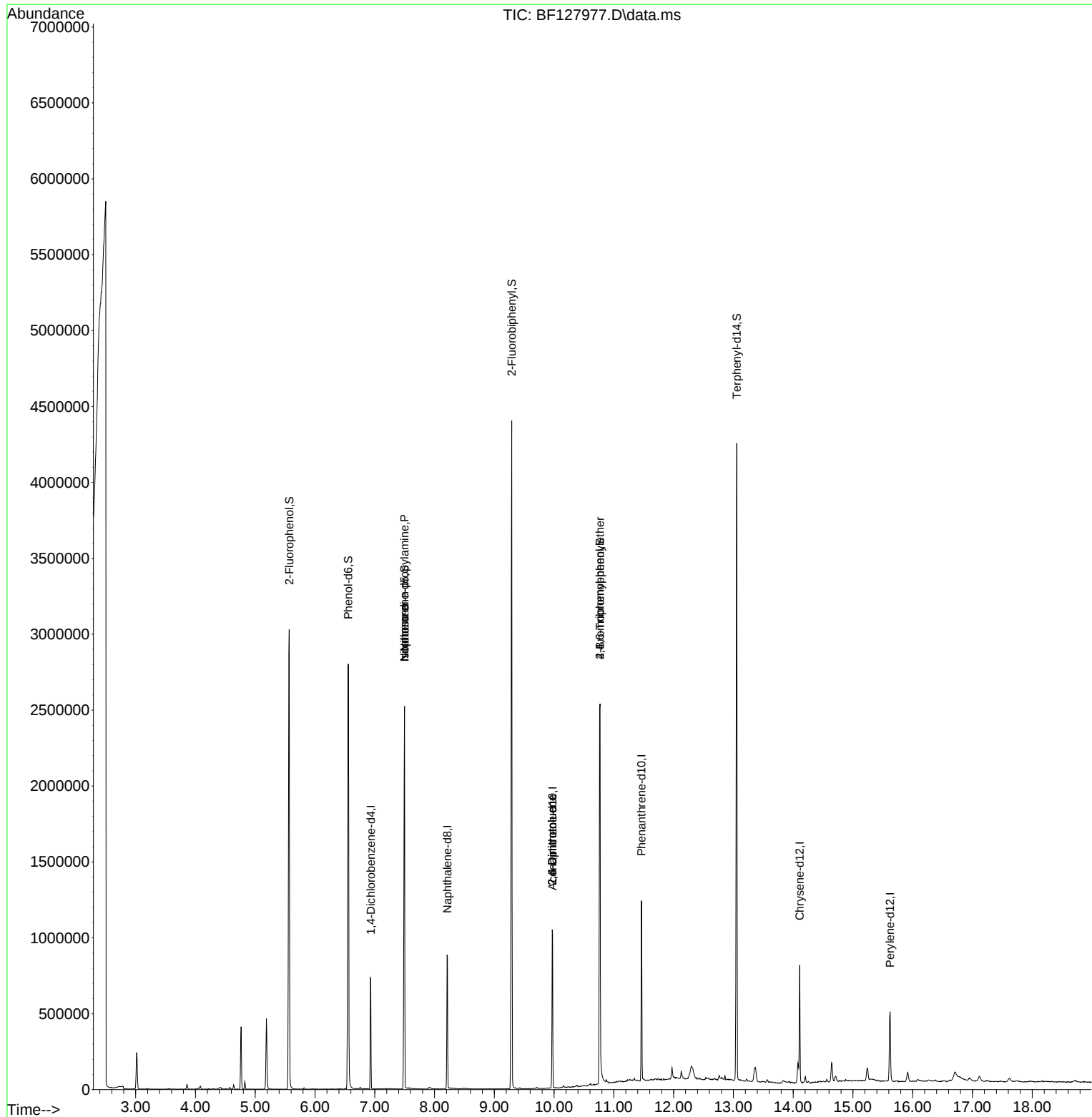
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	102986	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	414780	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	232284	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	412140	20.000	ng	0.00
76) Chrysene-d12	14.110	240	249167	20.000	ng	0.00
86) Perylene-d12	15.621	264	218899	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	872269	134.905	ng	0.02
7) Phenol-d6	6.557	99	1043445	124.371	ng	0.00
23) Nitrobenzene-d5	7.498	82	890397	100.945	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	361421	154.564	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	1406911	102.466	ng	0.00
79) Terphenyl-d14	13.057	244	1517698	111.379	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.498	70	122424	23.838	ng	Qvalue # 79
25) Isophorone	7.498	82	883938	59.542	ng	# 68
51) 2,6-Dinitrotoluene	9.969	165	30177	8.947	ng	# 21
57) 2,4-Dinitrotoluene	9.969	165	30177	6.754	ng	# 26
67) 4-Bromophenyl-phenylether	10.769	248	22888	5.010	ng	# 1

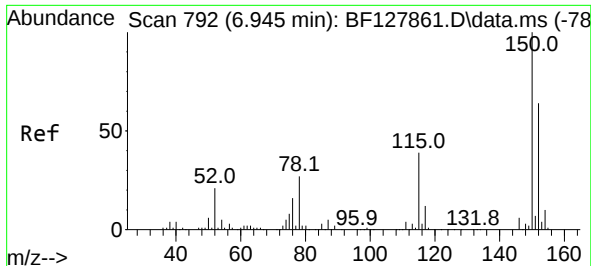
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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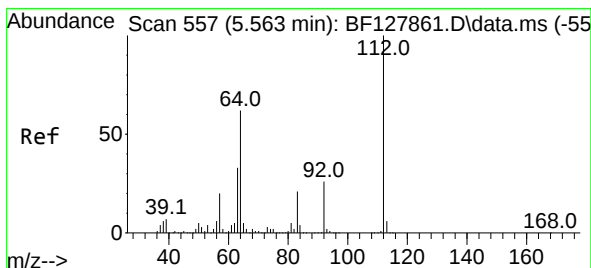
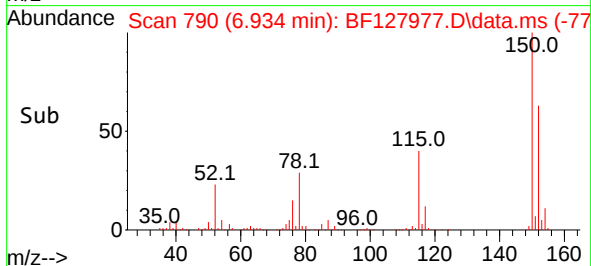
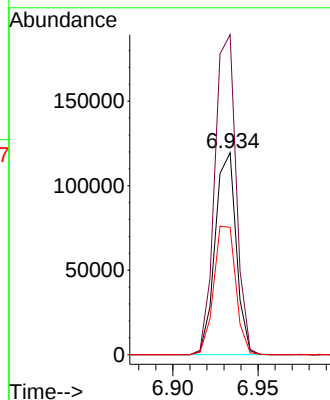
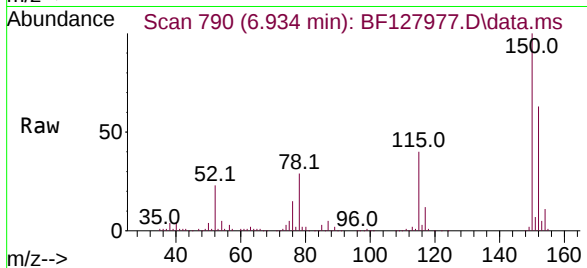




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

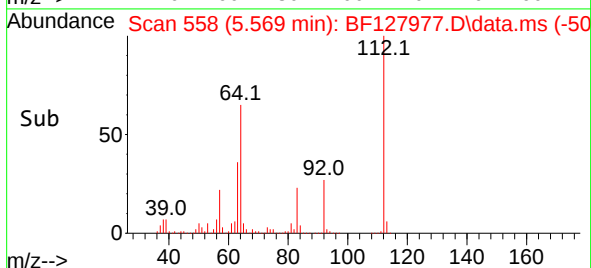
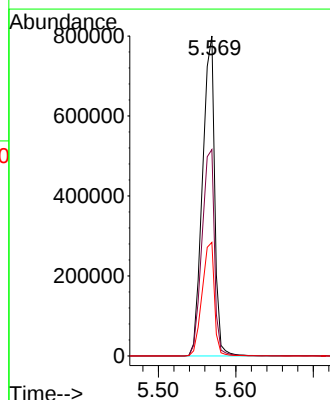
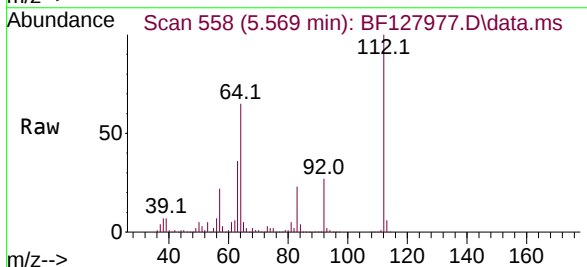
Instrument :
BNA_F
ClientSampleId :
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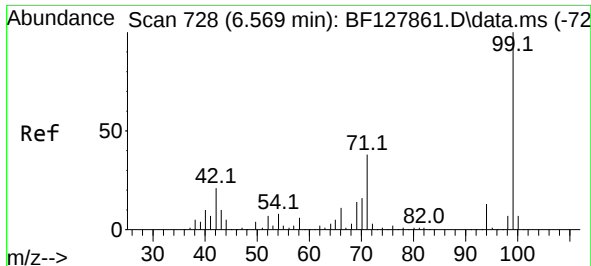
Tgt Ion:152 Resp: 102986
Ion Ratio Lower Upper
152 100
150 158.5 125.3 187.9
115 63.1 48.8 73.2



#5
2-Fluorophenol
Concen: 134.905 ng
RT: 5.569 min Scan# 558
Delta R.T. 0.018 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

Tgt Ion:112 Resp: 872269
Ion Ratio Lower Upper
112 100
64 64.5 49.5 74.3
63 35.5 26.3 39.5

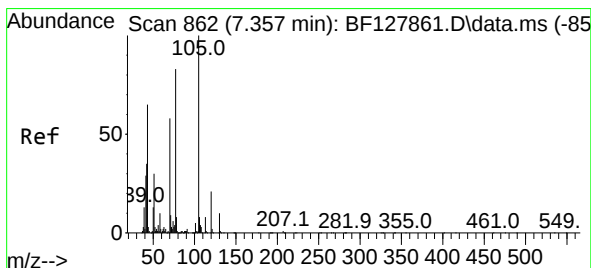
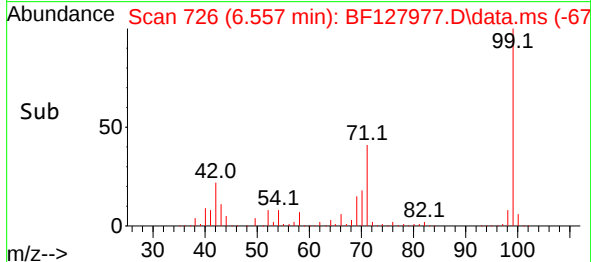
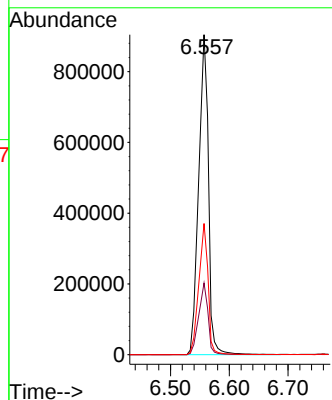
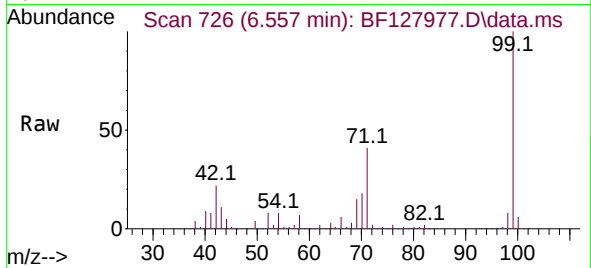




#7
Phenol-d6
Concen: 124.371 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

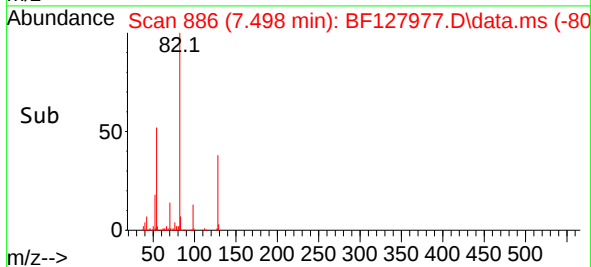
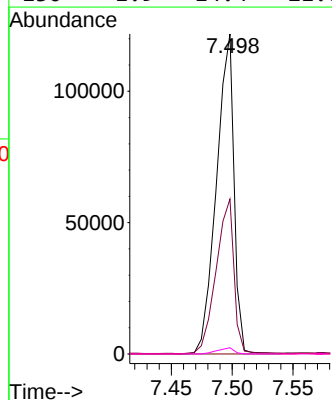
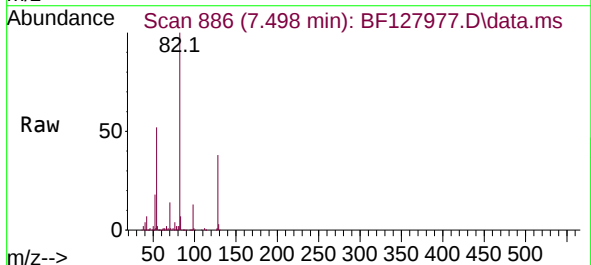
Instrument :
BNA_F
ClientSampleId :
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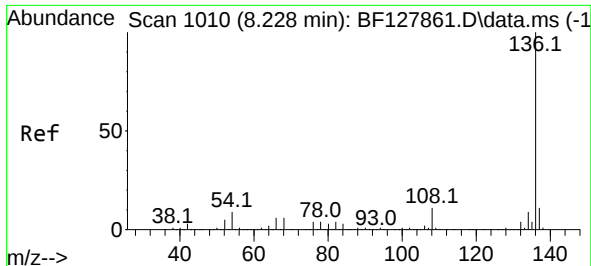
Tgt Ion: 99 Resp: 1043445
Ion Ratio Lower Upper
99 100
42 22.4 16.6 24.8
71 41.0 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 23.838 ng
RT: 7.498 min Scan# 886
Delta R.T. 0.153 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

Tgt Ion: 70 Resp: 122424
Ion Ratio Lower Upper
70 100
42 48.4 48.7 73.1#
101 0.0 7.2 10.8#
130 1.9 14.4 21.6#

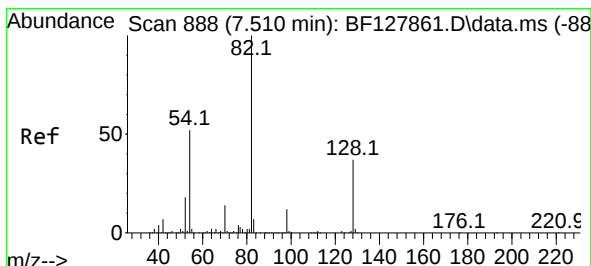
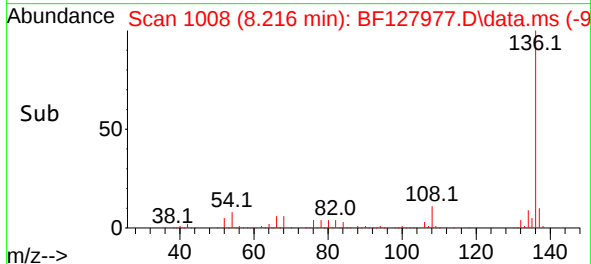
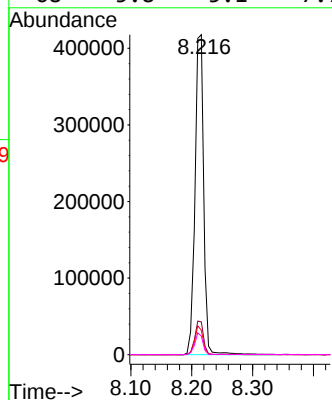
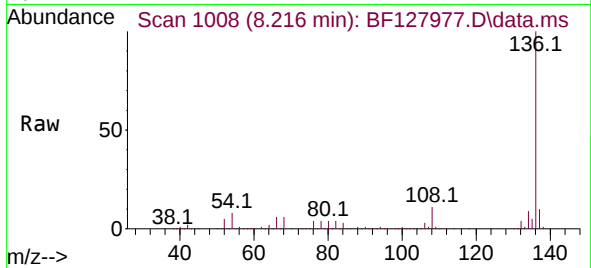




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

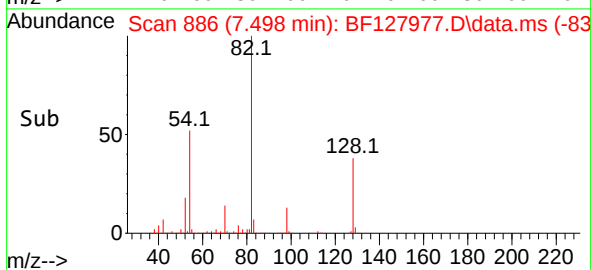
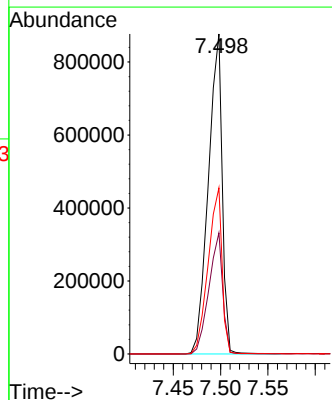
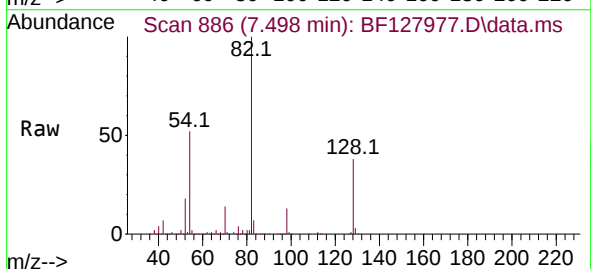
Instrument :
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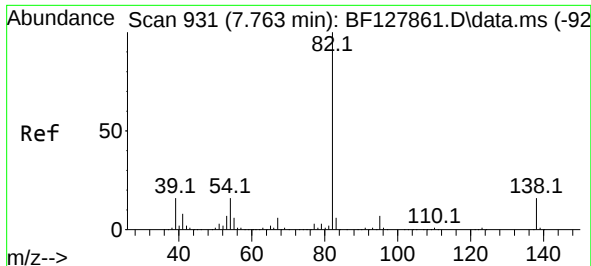
Tgt Ion:136	Resp: 414780
Ion Ratio	Lower Upper
136 100	
137 10.3	8.6 13.0
54 7.7	6.8 10.2
68 5.8	5.1 7.7



#23
Nitrobenzene-d5
Concen: 100.945 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

Tgt Ion: 82	Resp: 890397
Ion Ratio	Lower Upper
82 100	
128 37.8	30.0 45.0
54 51.9	41.3 61.9

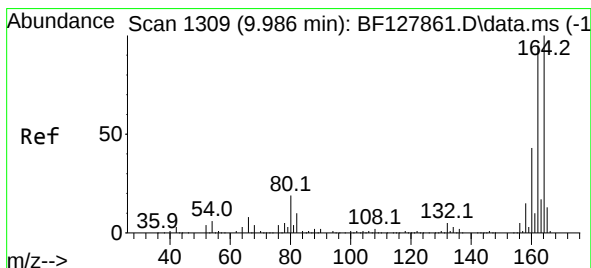
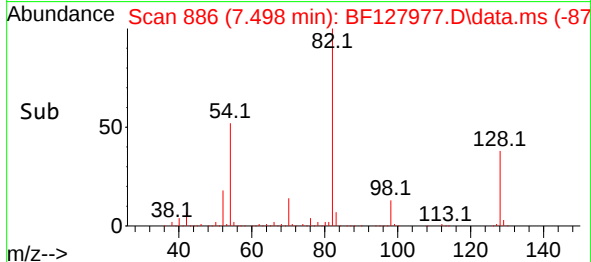
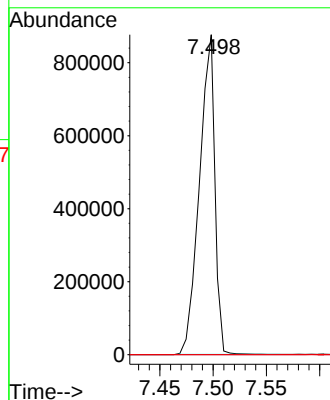
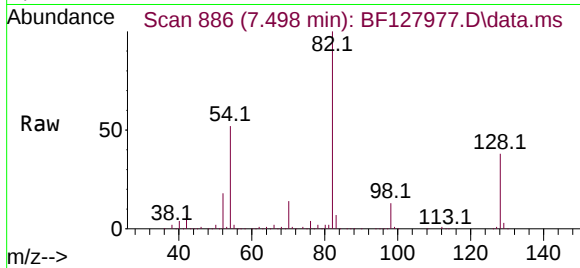




#25
Isophorone
Concen: 59.542 ng
RT: 7.498 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

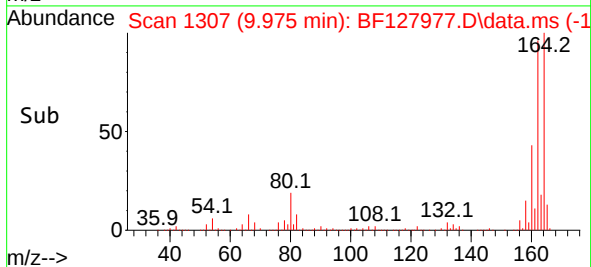
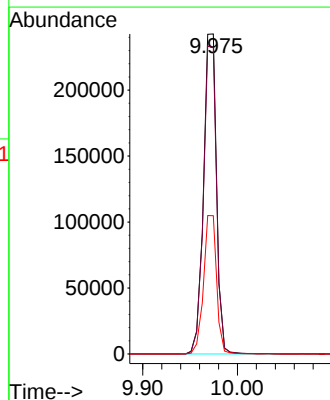
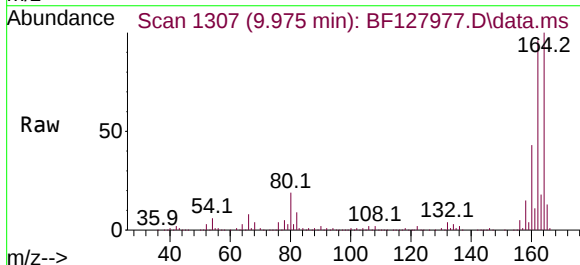
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

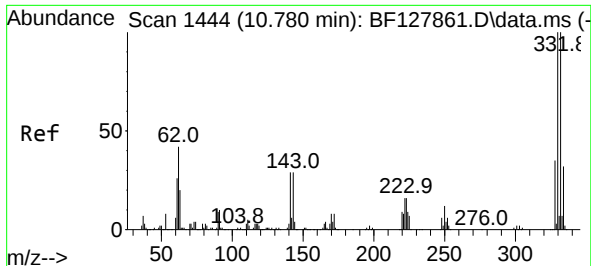
Tgt Ion: 82 Resp: 883938
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

Tgt Ion: 164 Resp: 232284
Ion Ratio Lower Upper
164 100
162 95.7 76.0 114.0
160 43.2 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 154.564 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.000 min

Lab File: BF127977.D

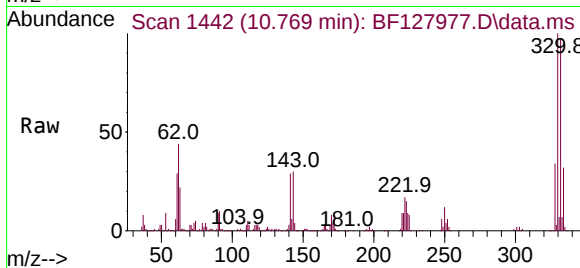
Acq: 28 Apr 2022 13:27

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS



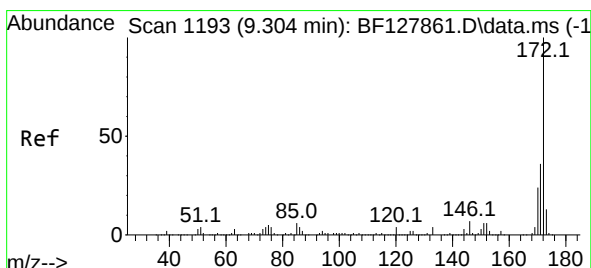
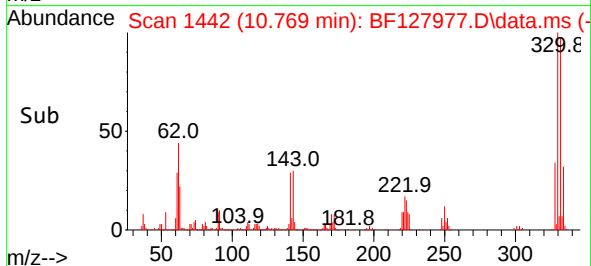
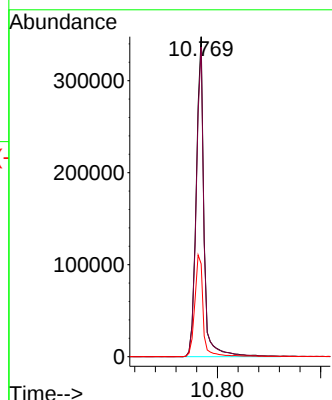
Tgt Ion:330 Resp: 361421

Ion Ratio Lower Upper

330 100

332 96.9 79.0 118.4

141 34.4 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 102.466 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF127977.D

Acq: 28 Apr 2022 13:27

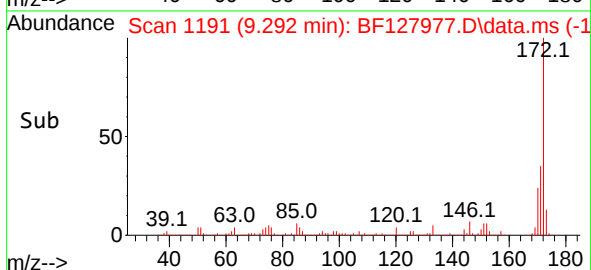
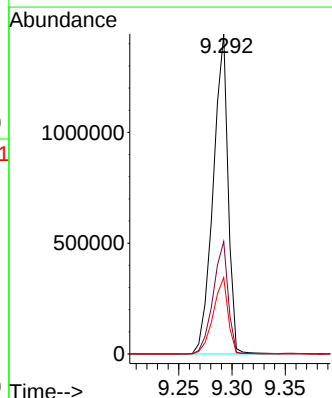
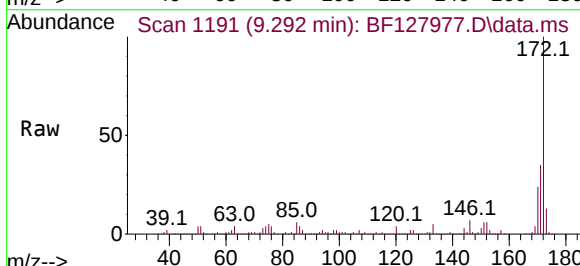
Tgt Ion:172 Resp: 1406911

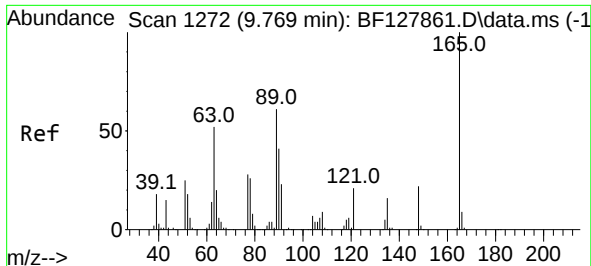
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.9 19.1 28.7

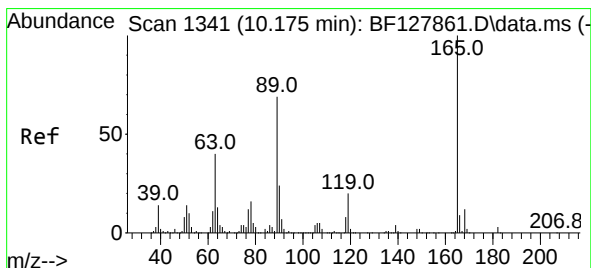
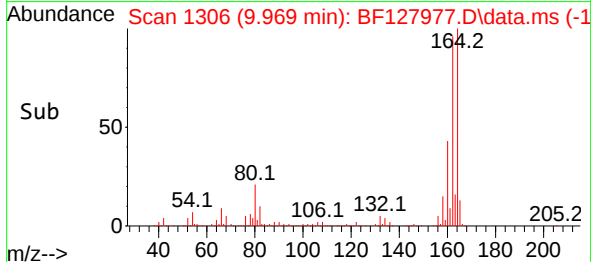
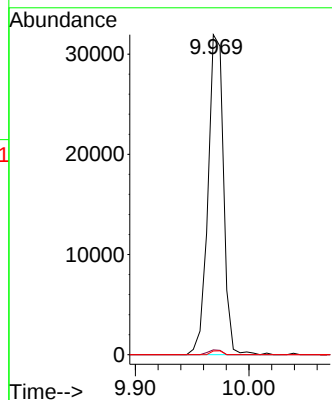
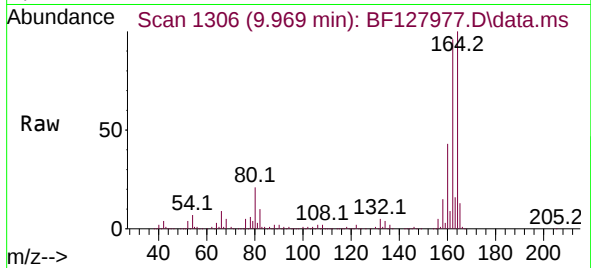




#51
2,6-Dinitrotoluene
Concen: 8.947 ng
RT: 9.969 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

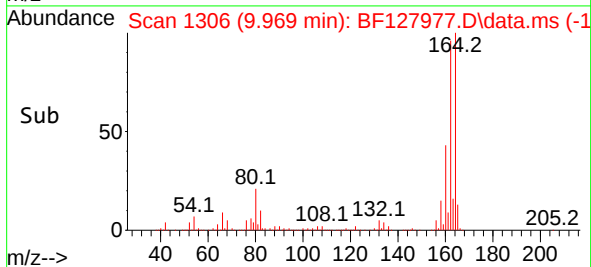
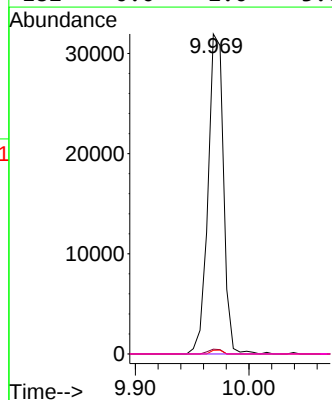
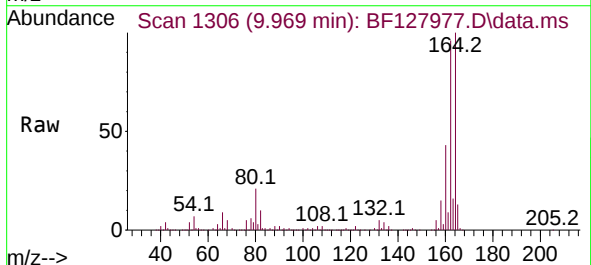
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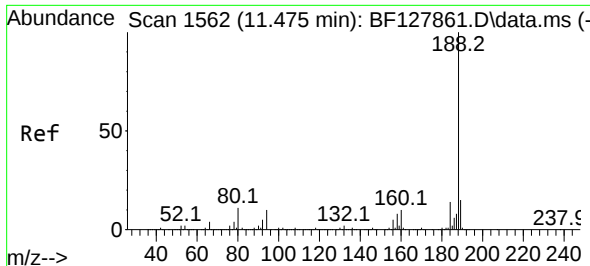
Tgt Ion:165 Resp: 30177
Ion Ratio Lower Upper
165 100
63 1.5 49.5 74.3#
89 1.1 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.754 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.194 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

Tgt Ion:165 Resp: 30177
Ion Ratio Lower Upper
165 100
63 1.5 32.6 49.0#
89 1.1 55.2 82.8#
182 0.0 2.0 3.0#

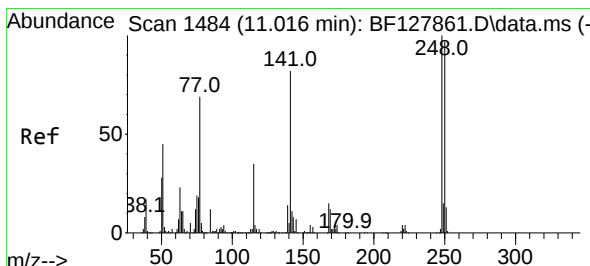
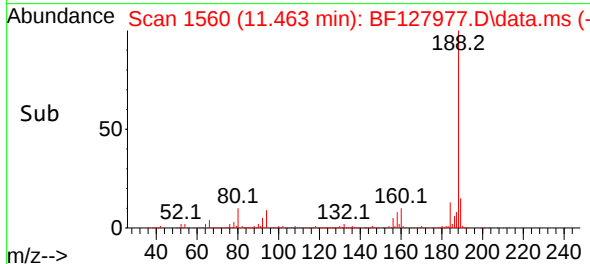
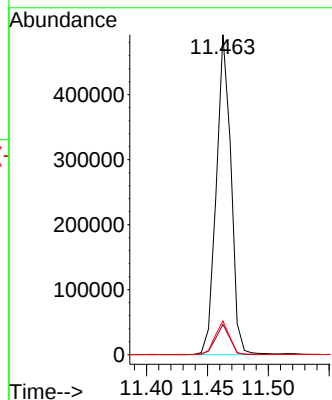
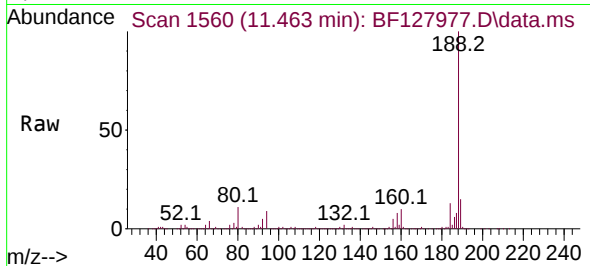




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

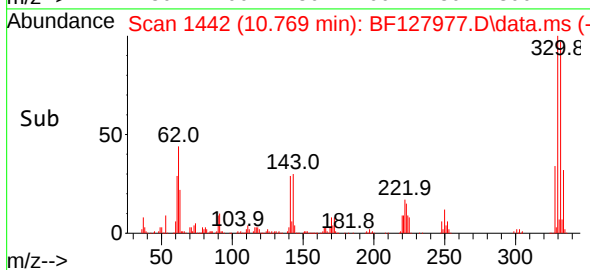
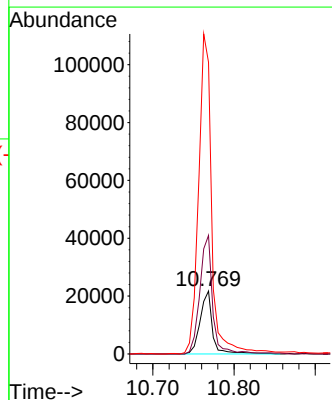
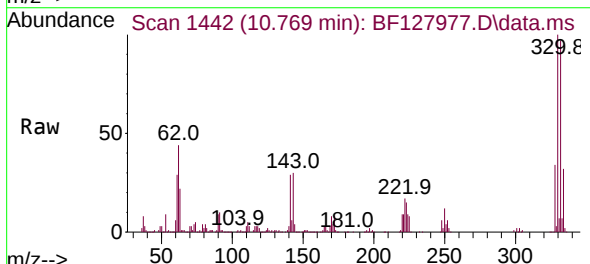
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

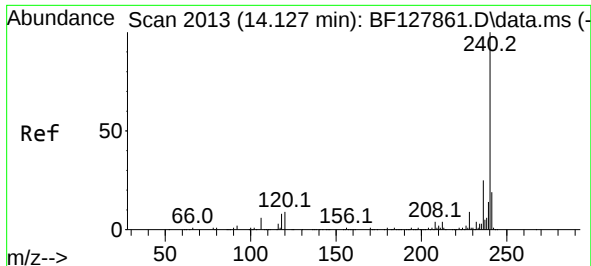
Tgt Ion:188 Resp: 412140
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.5 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 5.010 ng
RT: 10.769 min Scan# 1442
Delta R.T. -0.241 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

Tgt Ion:248 Resp: 22888
Ion Ratio Lower Upper
248 100
250 188.3 77.7 116.5#
141 463.2 65.6 98.4#

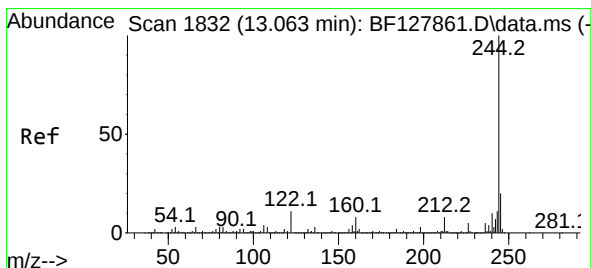
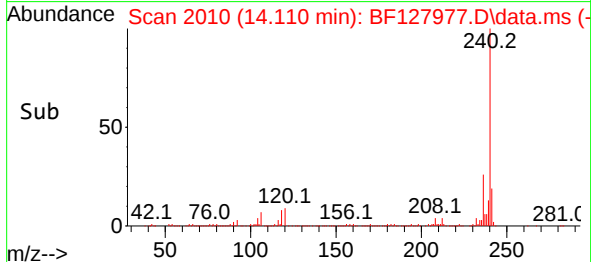
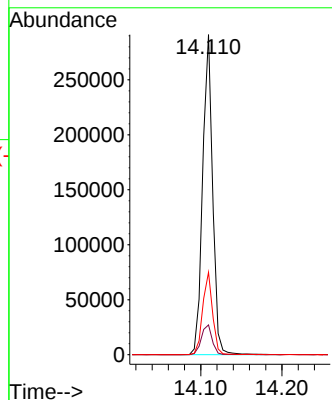
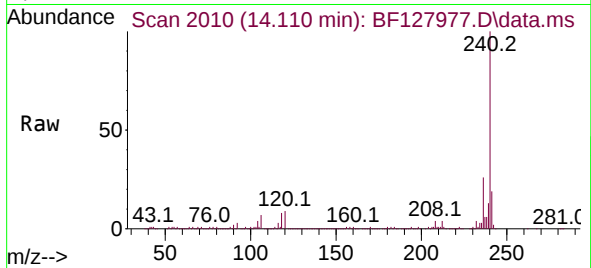




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

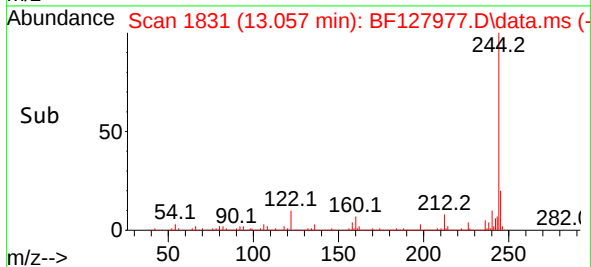
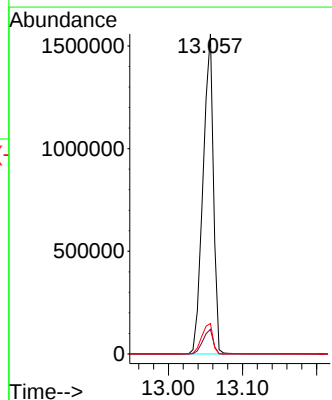
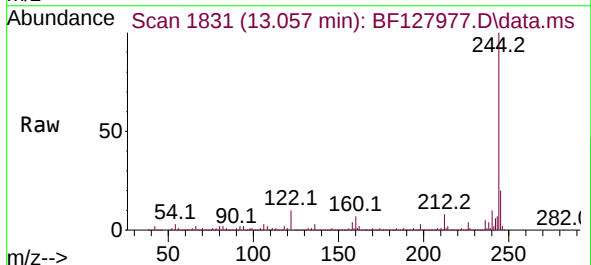
Instrument :
BNA_F
ClientSampleId :
SOIL-CUTTINGS

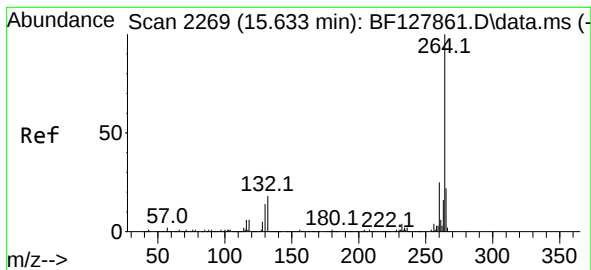
Tgt Ion:240 Resp: 249167
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.6
236 25.8 20.3 30.5



#79
Terphenyl-d14
Concen: 111.379 ng
RT: 13.057 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF127977.D
Acq: 28 Apr 2022 13:27

Tgt Ion:244 Resp: 1517698
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 9.5 8.6 12.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF127977.D

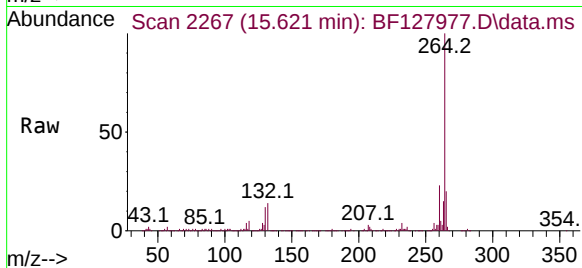
Acq: 28 Apr 2022 13:27

Instrument :

BNA_F

ClientSampleId :

SOIL-CUTTINGS



Tgt Ion:264 Resp: 218899

Ion Ratio Lower Upper

264 100

260 22.8 20.1 30.1

265 20.5 17.5 26.3

