

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
 Data File : BF129320.D
 Acq On : 22 Jul 2022 17:36
 Operator : CG\JU
 Sample : N3830-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL-0721

Quant Time: Jul 22 18:14:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 13:42:18 2022
 Response via : Initial Calibration

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

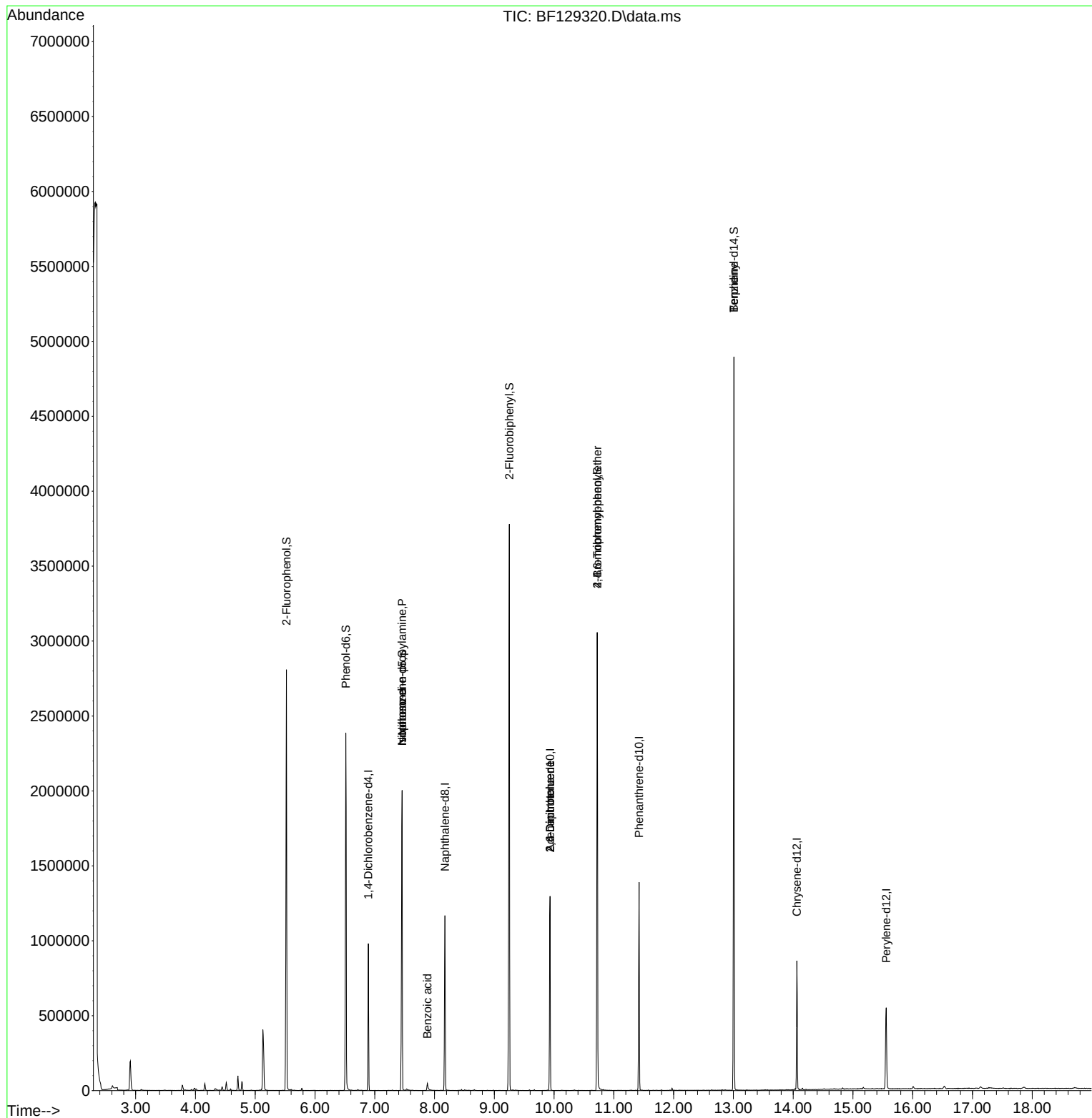
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	118366	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	483063	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	264049	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	442877	20.000	ng	0.00
76) Chrysene-d12	14.063	240	273202	20.000	ng	-0.02
86) Perylene-d12	15.557	264	237353	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	689744	95.044	ng	0.00
7) Phenol-d6	6.516	99	802096	86.703	ng	-0.01
23) Nitrobenzene-d5	7.457	82	654674	72.912	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	339284	133.182	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1106297	64.453	ng	0.00
79) Terphenyl-d14	13.010	244	1522438	103.786	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	89843	16.299	ng	# 73
25) Isophorone	7.457	82	654666	41.529	ng	# 65
32) Benzoic acid	7.881	122	13346	2.720	ng	95
51) 2,6-Dinitrotoluene	9.933	165	34260	8.434	ng	# 26
57) 2,4-Dinitrotoluene	9.933	165	34260	6.434	ng	# 22
67) 4-Bromophenyl-phenylether	10.722	248	21594	4.519	ng	# 1
77) Benzidine	13.010	184	22881	2.102	ng	# 92

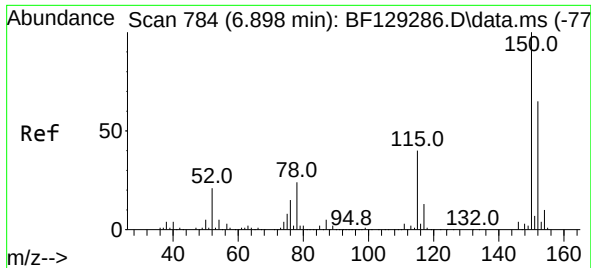
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

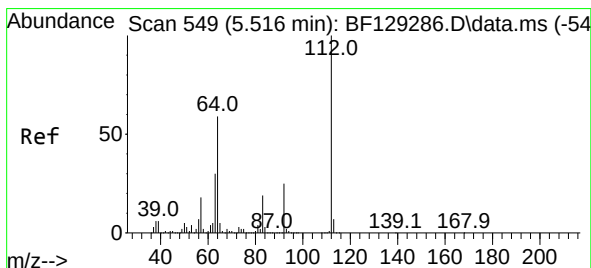
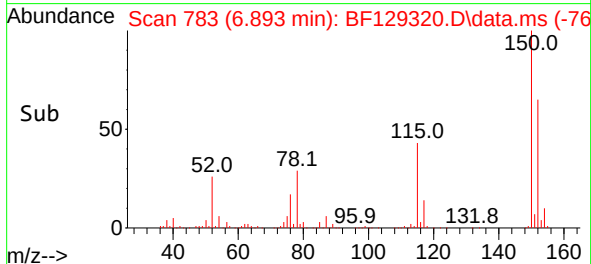
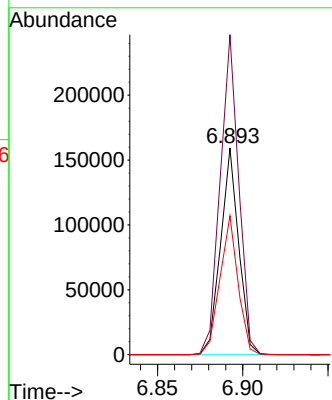
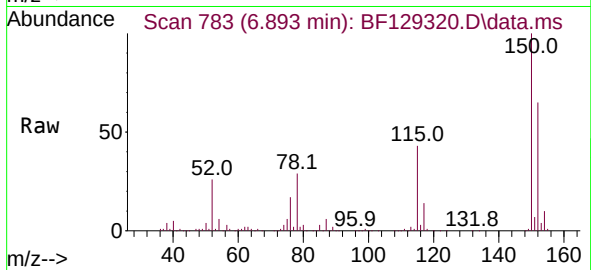




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF129320.D
 Acq: 22 Jul 2022 17:36

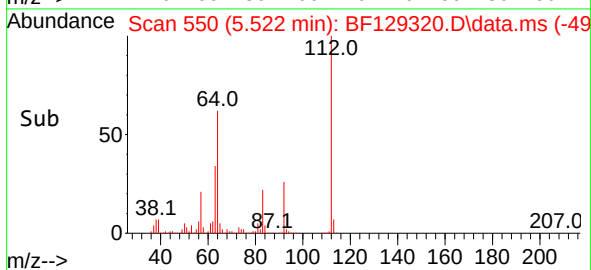
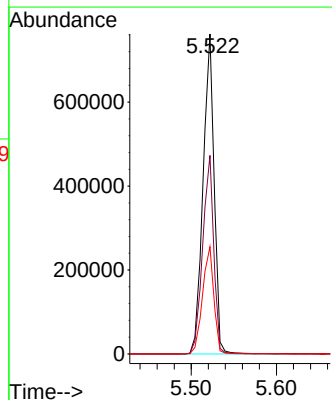
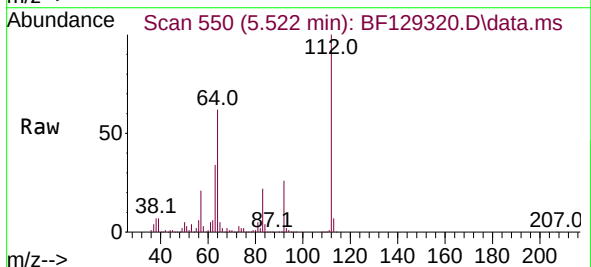
Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL-0721

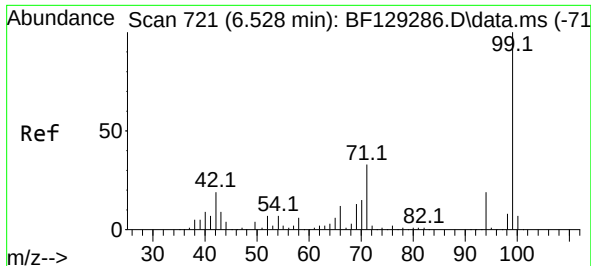
Tgt Ion:152 Resp: 118366
 Ion Ratio Lower Upper
 152 100
 150 154.8 123.7 185.5
 115 67.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 95.044 ng
 RT: 5.522 min Scan# 550
 Delta R.T. 0.006 min
 Lab File: BF129320.D
 Acq: 22 Jul 2022 17:36

Tgt Ion:112 Resp: 689744
 Ion Ratio Lower Upper
 112 100
 64 62.0 53.3 79.9
 63 33.5 28.0 42.0

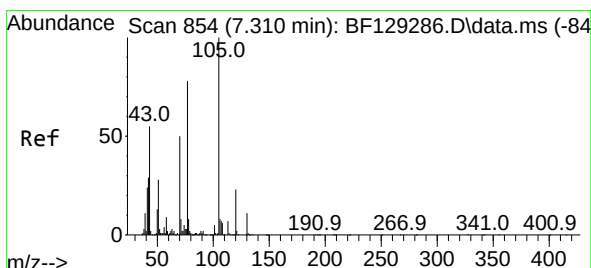
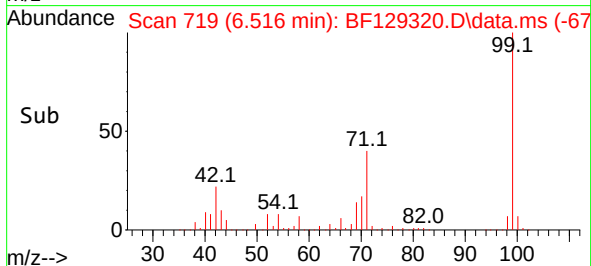
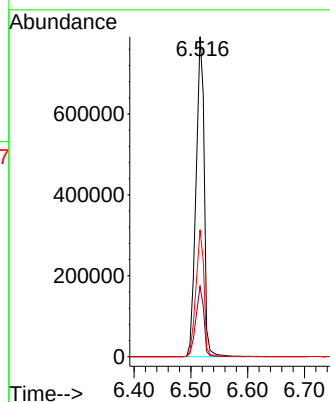
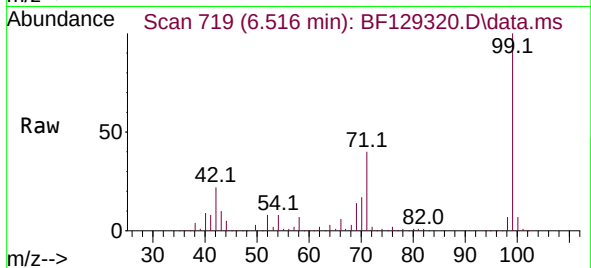




#7
Phenol-d6
Concen: 86.703 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

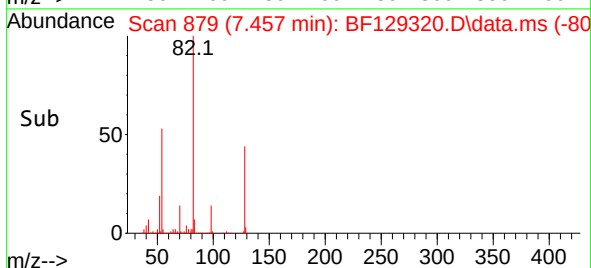
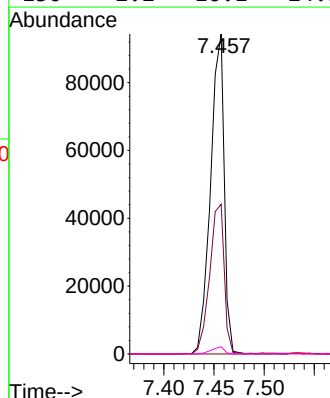
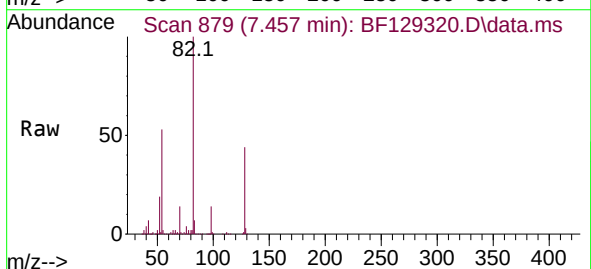
Instrument :
BNA_F
ClientSampleId :
HS-SOIL-0721

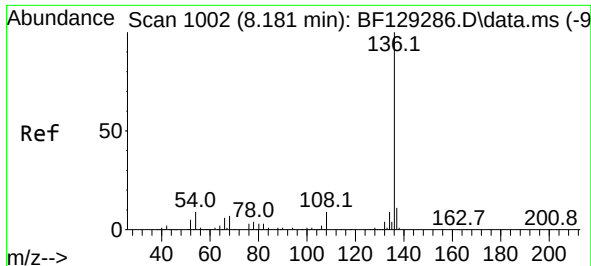
Tgt Ion: 99 Resp: 802096
Ion Ratio Lower Upper
99 100
42 22.0 17.3 25.9
71 39.6 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.299 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.147 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

Tgt Ion: 70 Resp: 89843
Ion Ratio Lower Upper
70 100
42 46.8 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



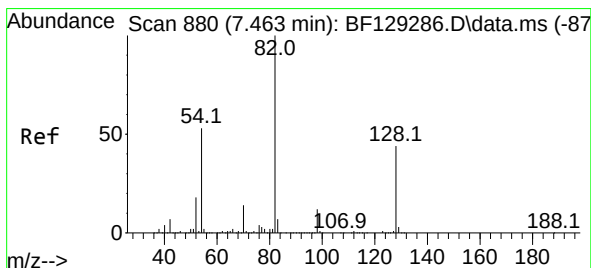
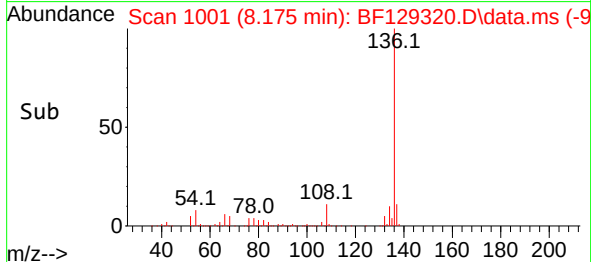
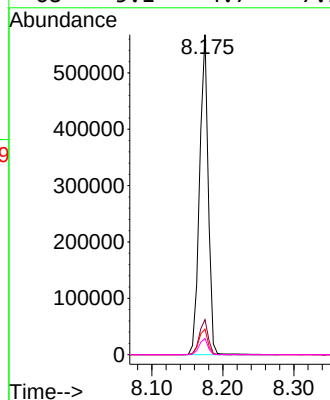
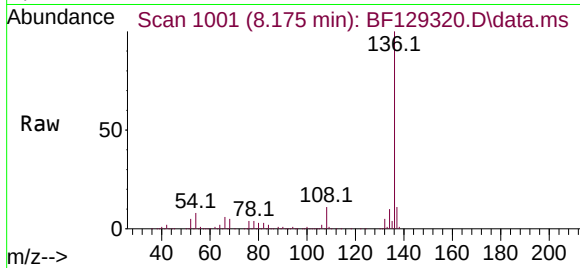


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

Instrument :
BNA_F
ClientSampleId :
HS-SOIL-0721

Tgt Ion:136 Resp: 483063

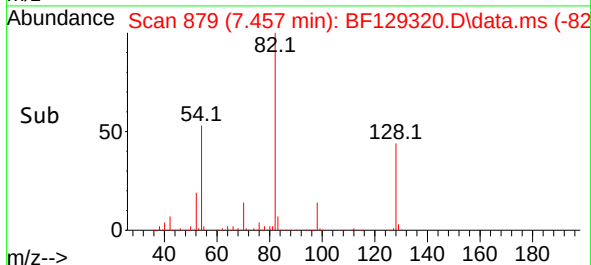
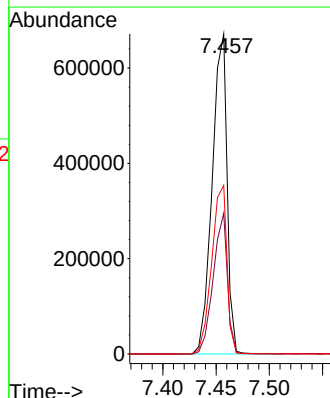
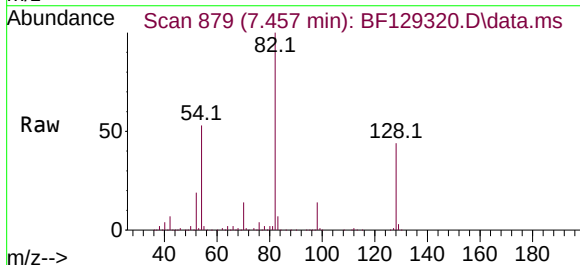
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.0	7.5	11.3
68	5.1	4.7	7.1

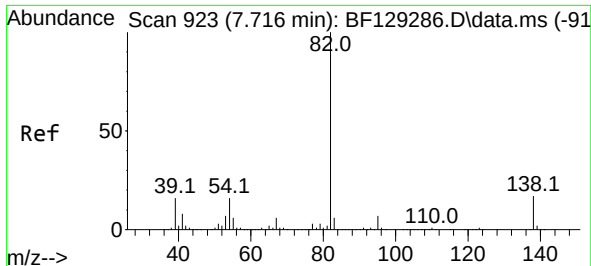


#23
Nitrobenzene-d5
Concen: 72.912 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

Tgt Ion: 82 Resp: 654674

Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.0	51.0
54	52.7	46.9	70.3

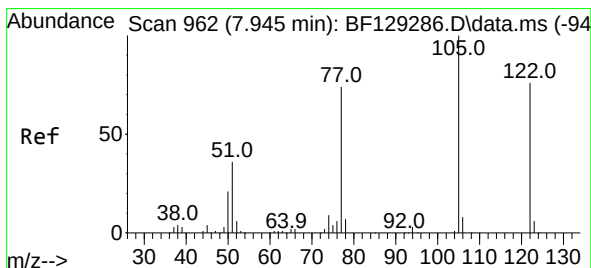
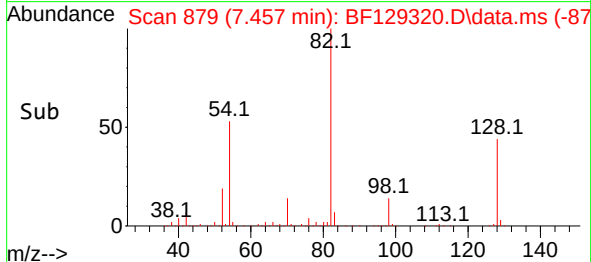
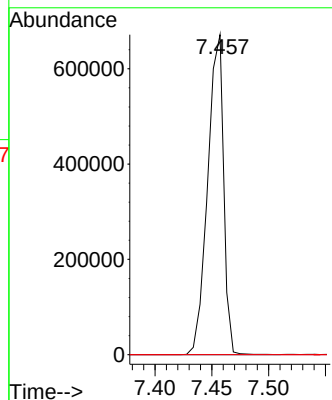
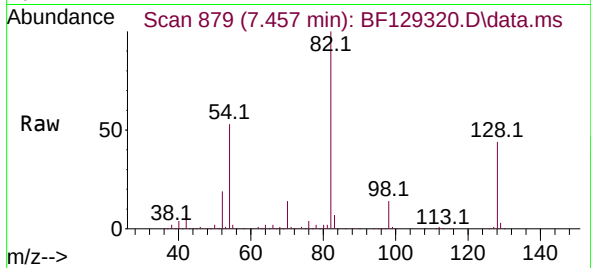




#25
Isophorone
Concen: 41.529 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

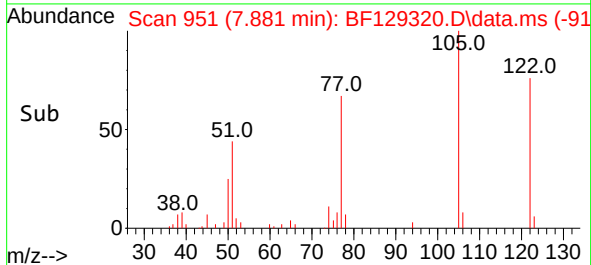
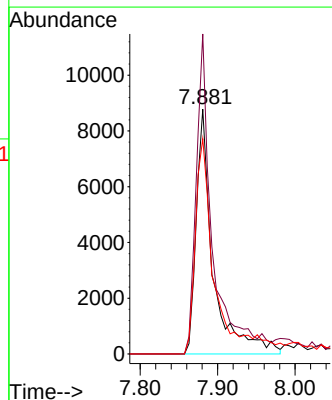
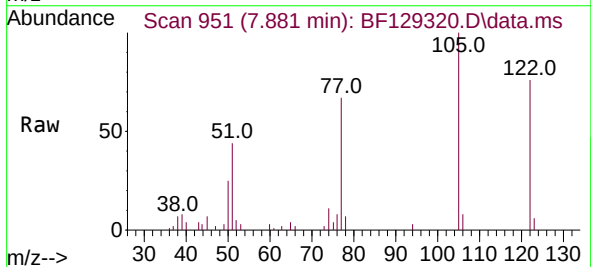
Instrument :
BNA_F
ClientSampleId :
HS-SOIL-0721

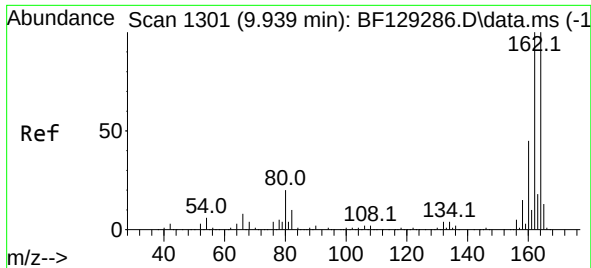
Tgt Ion: 82 Resp: 654666
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#32
Benzoic acid
Concen: 2.720 ng
RT: 7.881 min Scan# 951
Delta R.T. -0.065 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

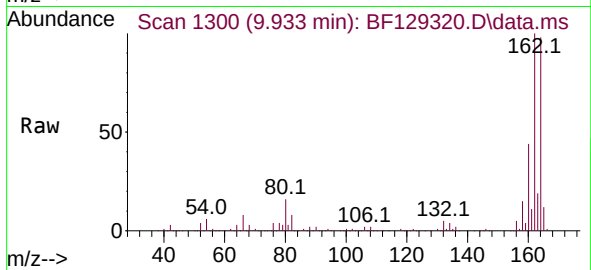
Tgt Ion: 122 Resp: 13346
Ion Ratio Lower Upper
122 100
105 130.8 107.1 147.1
77 87.9 74.2 114.2



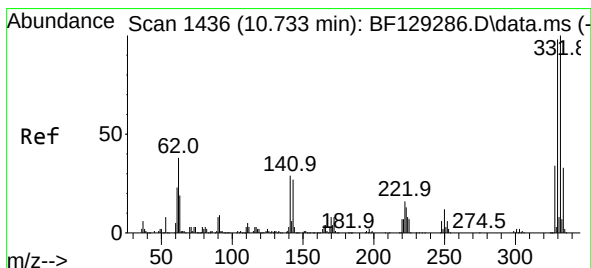
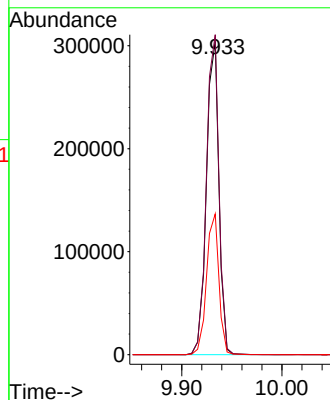
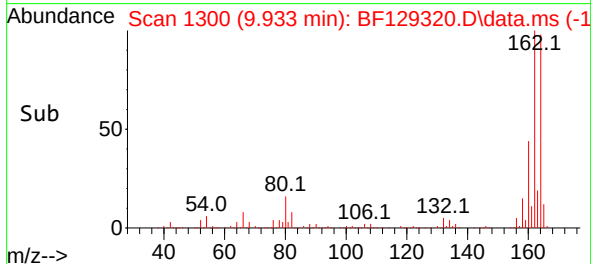


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

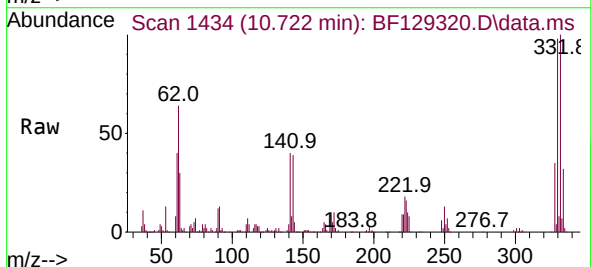
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ClientSampleId :
HS-SOIL-0721



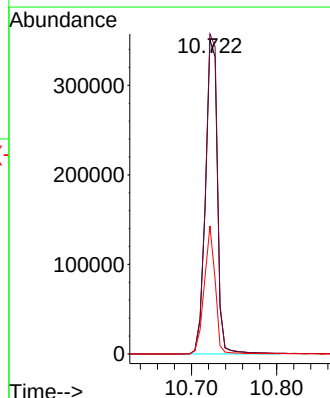
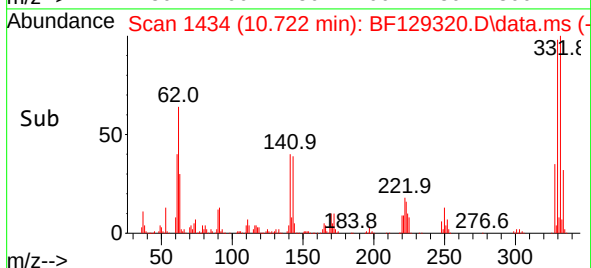
Tgt Ion:164 Resp: 264049
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 45.0 34.2 51.4

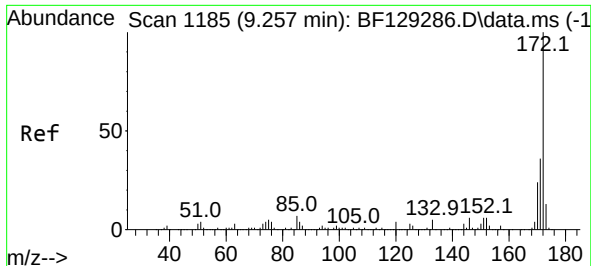


#42
2,4,6-Tribromophenol
Concen: 133.182 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36



Tgt Ion:330 Resp: 339284
Ion Ratio Lower Upper
330 100
332 103.3 76.8 115.2
141 37.8 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 64.453 ng

RT: 9.251 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF129320.D

Acq: 22 Jul 2022 17:36

Instrument :

BNA_F

ClientSampleId :

HS-SOIL-0721

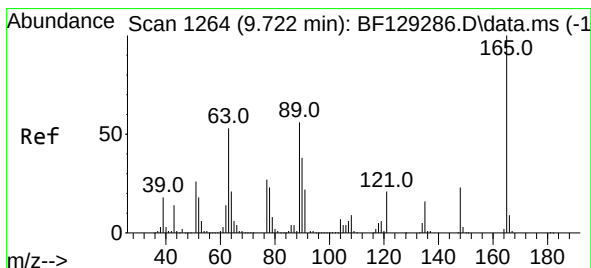
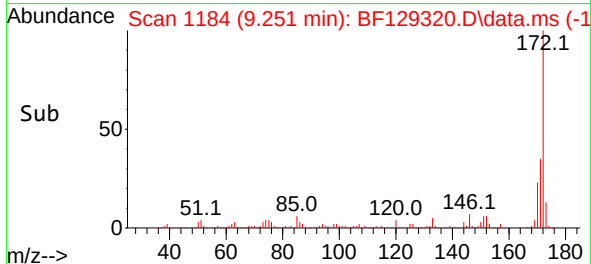
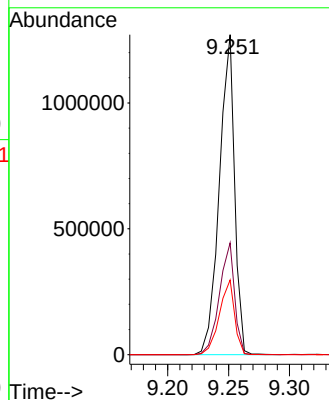
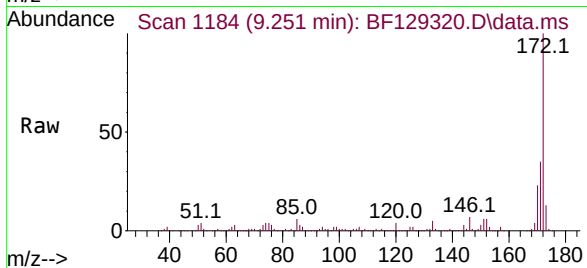
Tgt Ion:172 Resp: 1106297

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.3 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 8.434 ng

RT: 9.933 min Scan# 1300

Delta R.T. 0.212 min

Lab File: BF129320.D

Acq: 22 Jul 2022 17:36

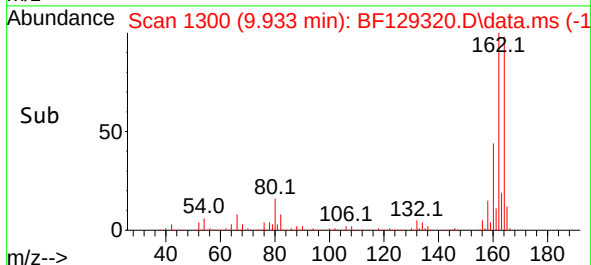
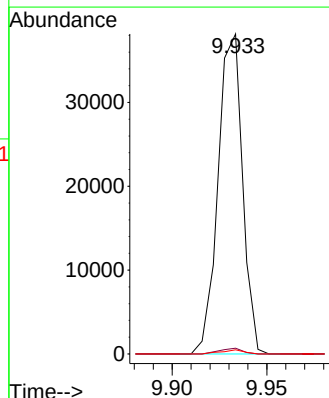
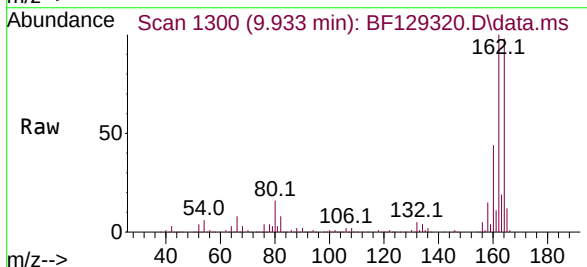
Tgt Ion:165 Resp: 34260

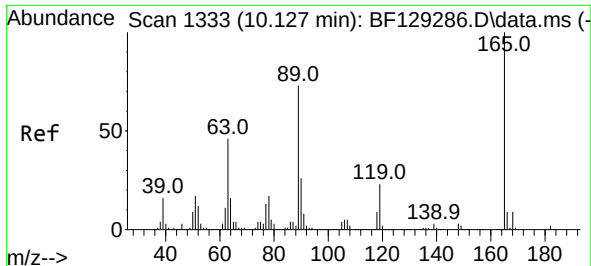
Ion Ratio Lower Upper

165 100

63 1.8 44.9 67.3#

89 1.3 43.6 65.4#

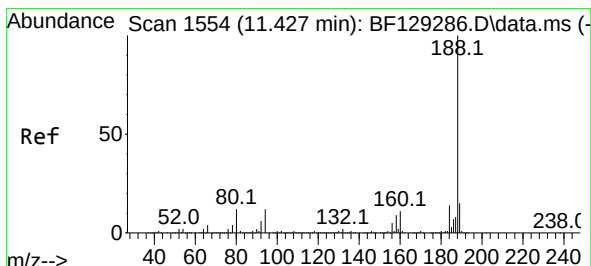
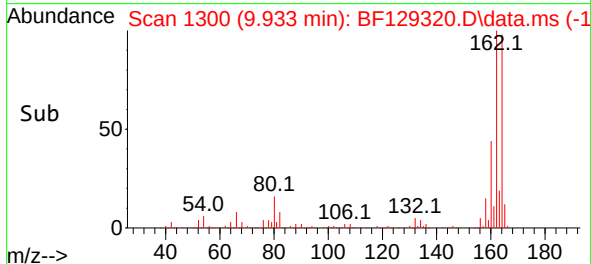
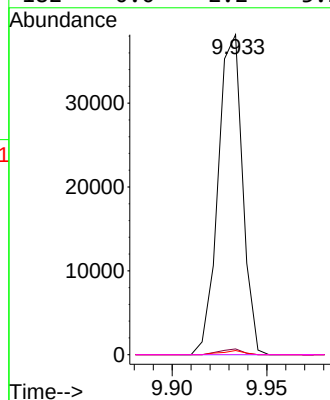
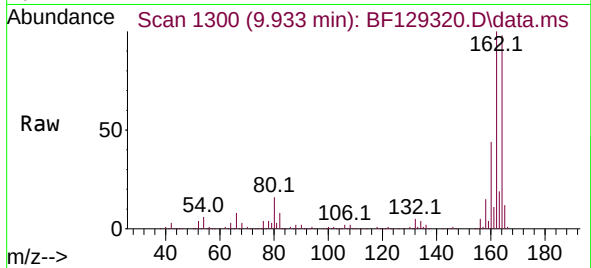




#57
2,4-Dinitrotoluene
Concen: 6.434 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

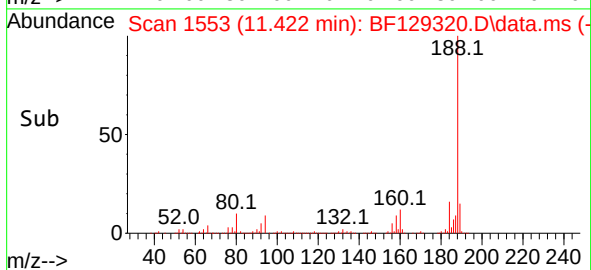
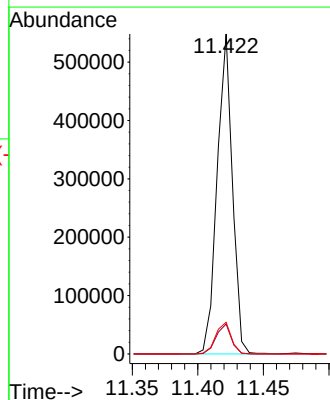
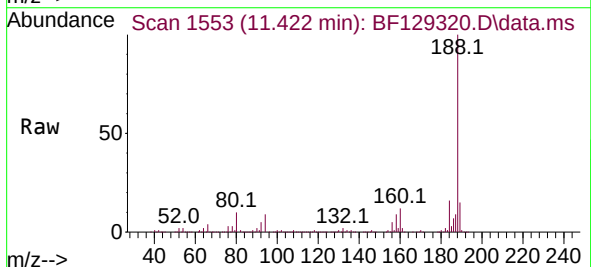
Instrument :
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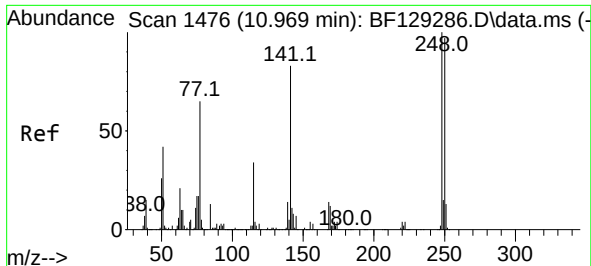
Tgt Ion:165 Resp: 34260
Ion Ratio Lower Upper
165 100
63 1.8 39.8 59.6#
89 1.3 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

Tgt Ion:188 Resp: 442877
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.6
80 9.9 7.6 11.4





#67
4-Bromophenyl-phenylether
Concen: 4.519 ng
RT: 10.722 min Scan# 1476
Delta R.T. -0.247 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

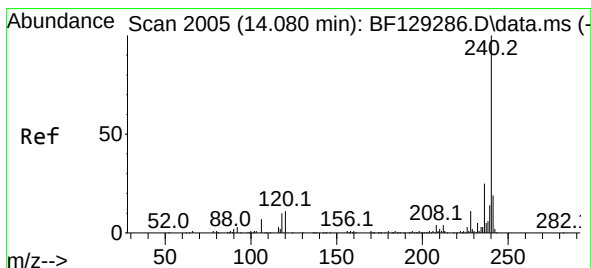
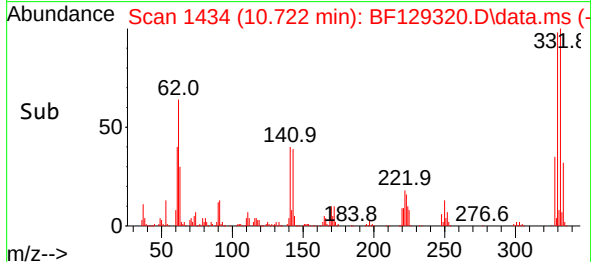
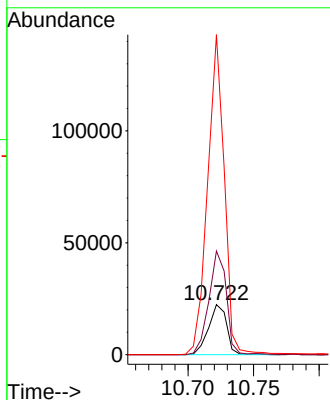
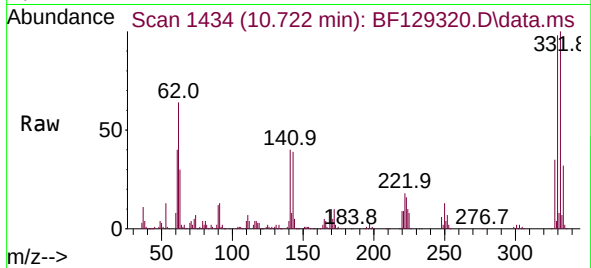
Instrument :

BNA_F

ClientSampleId :

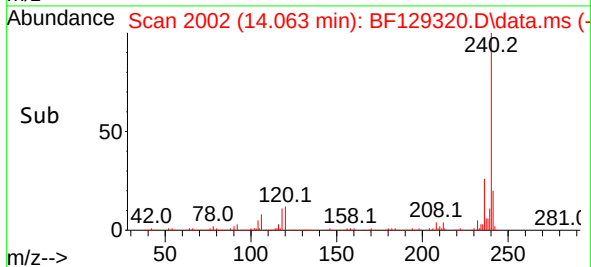
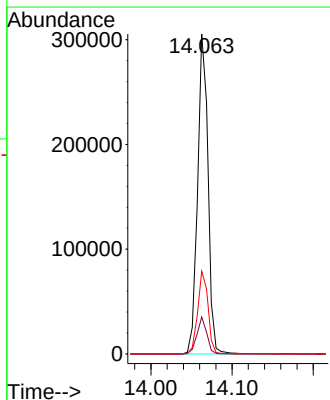
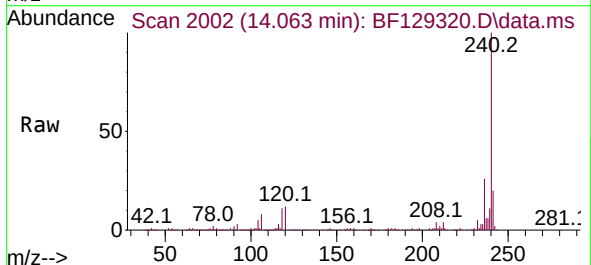
HS-SOIL-0721

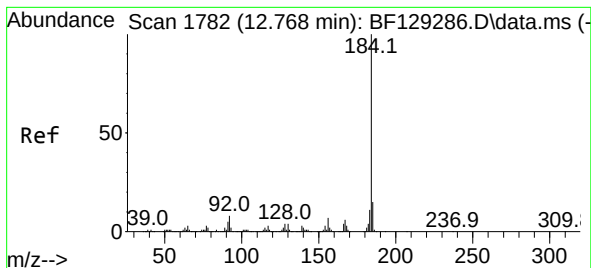
Tgt Ion:248 Resp: 21594
Ion Ratio Lower Upper
248 100
250 207.2 80.6 120.8#
141 639.4 58.9 88.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.017 min
Lab File: BF129320.D
Acq: 22 Jul 2022 17:36

Tgt Ion:240 Resp: 273202
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 25.9 20.8 31.2





#77

Benzidine

Concen: 2.102 ng

RT: 13.010 min Scan# 1823

Delta R.T. 0.241 min

Lab File: BF129320.D

Acq: 22 Jul 2022 17:36

Instrument :

BNA_F

ClientSampleId :

HS-SOIL-0721

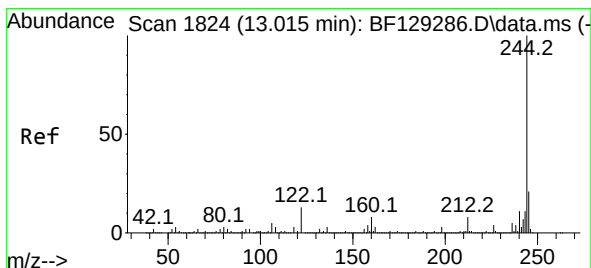
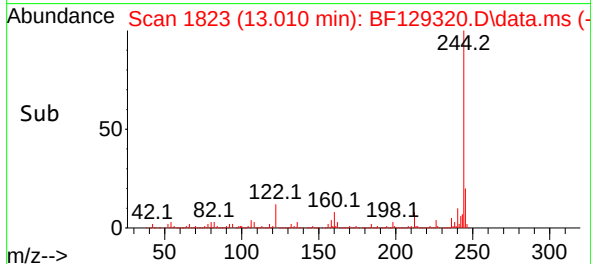
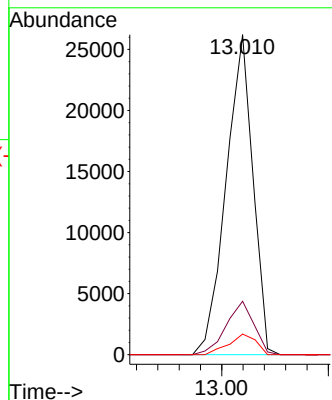
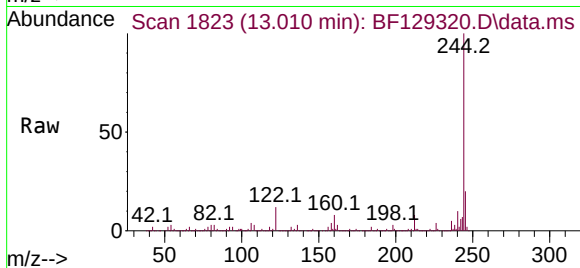
Tgt Ion:184 Resp: 22881

Ion Ratio Lower Upper

184 100

185 16.7 11.9 17.9

183 6.4 9.3 13.9#



#79

Terphenyl-d14

Concen: 103.786 ng

RT: 13.010 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF129320.D

Acq: 22 Jul 2022 17:36

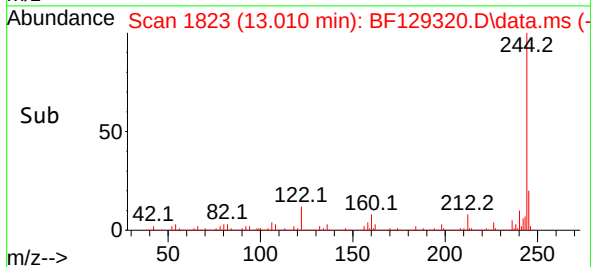
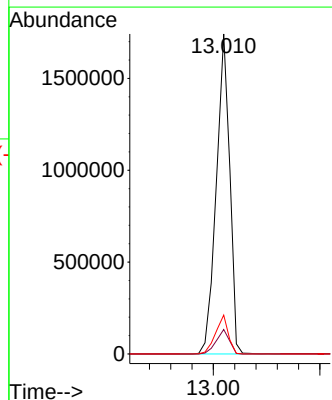
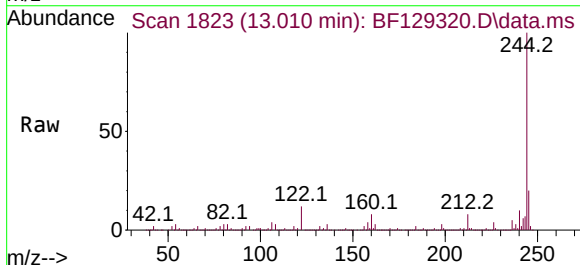
Tgt Ion:244 Resp: 1522438

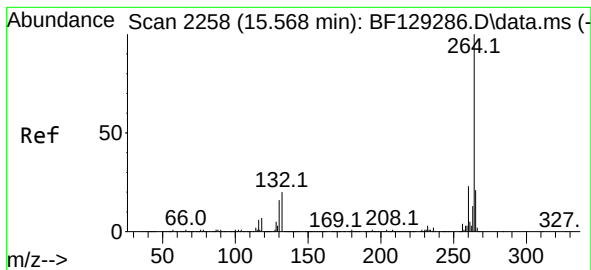
Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

122 12.2 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF129320.D
 Acq: 22 Jul 2022 17:36

Instrument :
 BNA_F
 ClientSampleId :
 HS-SOIL-0721

Tgt Ion:264 Resp: 237353
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.4 27.6
 265 21.4 17.2 25.8

