

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081122\
 Data File : BF129725.D
 Acq On : 11 Aug 2022 20:34
 Operator : CG\JU
 Sample : N4107-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE

Quant Time: Aug 12 00:03:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 11 23:50:03 2022
 Response via : Initial Calibration

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

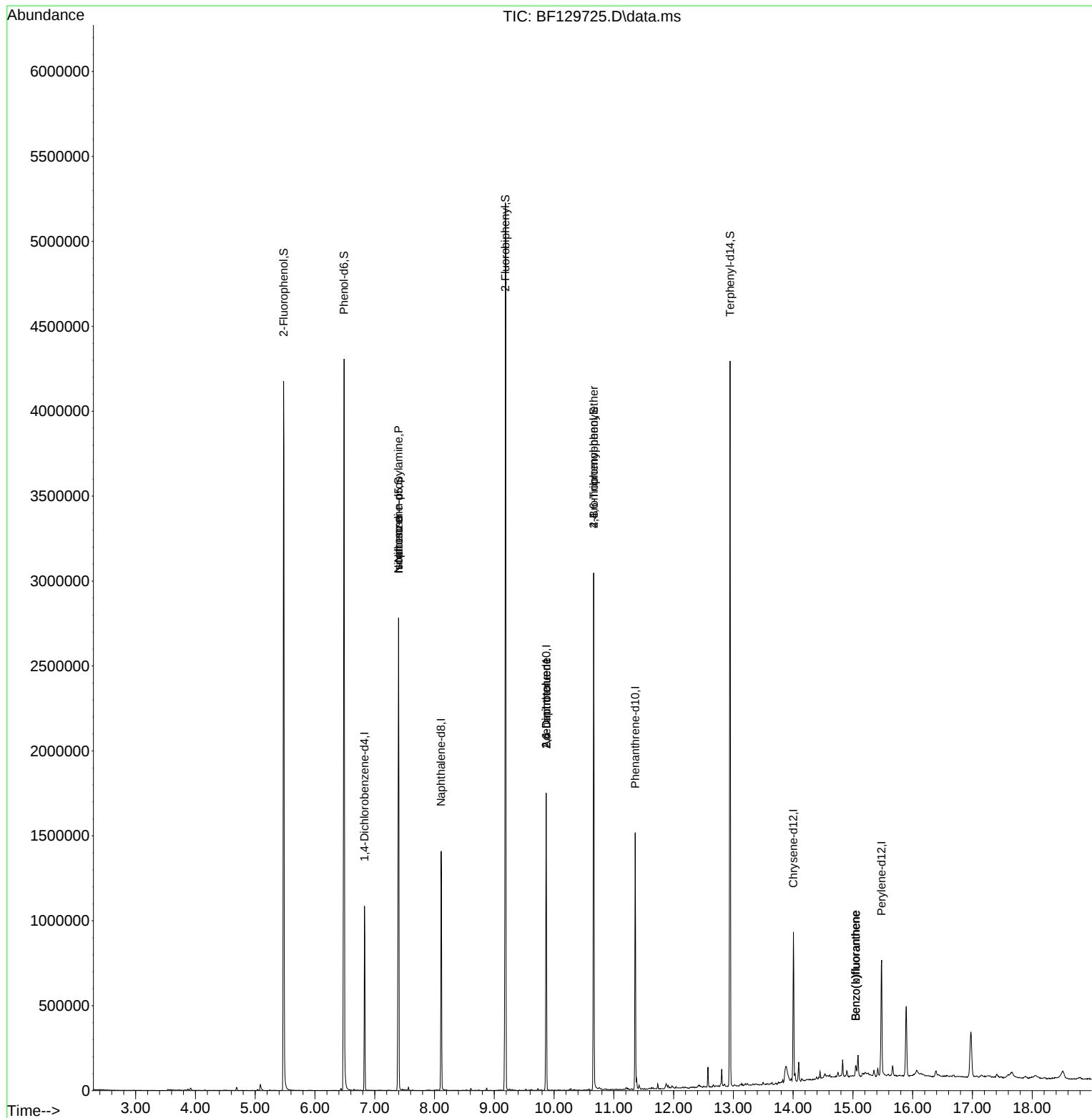
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	158997	20.000	ng	-0.01
21) Naphthalene-d8	8.110	136	640127	20.000	ng	-0.01
39) Acenaphthene-d10	9.869	164	330161	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	502792	20.000	ng	#-0.01
76) Chrysene-d12	14.004	240	271033	20.000	ng	-0.02
86) Perylene-d12	15.480	264	303311	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1200404	122.987	ng	0.00
7) Phenol-d6	6.487	99	1534332	125.065	ng	0.00
23) Nitrobenzene-d5	7.398	82	975604	83.197	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	343691	108.275	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	1780787	83.438	ng	-0.01
79) Terphenyl-d14	12.945	244	1339155	93.215	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	129943	17.496	ng	# 73
25) Isophorone	7.398	82	975592	46.413	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	43044	8.438	ng	# 25
57) 2,4-Dinitrotoluene	9.869	165	43044	6.459	ng	# 21
67) 4-Bromophenyl-phenylether	10.663	248	20994	3.813	ng	# 1
88) Benzo(b)fluoranthene	15.045	252	40253	2.001	ng	# 92
89) Benzo(k)fluoranthene	15.045	252	40253	2.042	ng	# 92

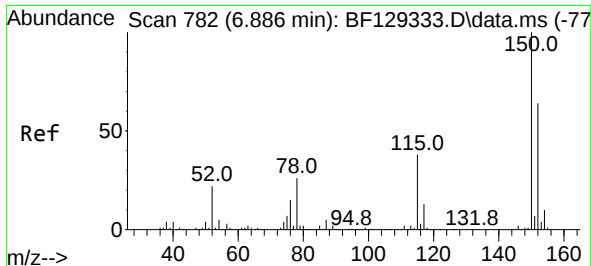
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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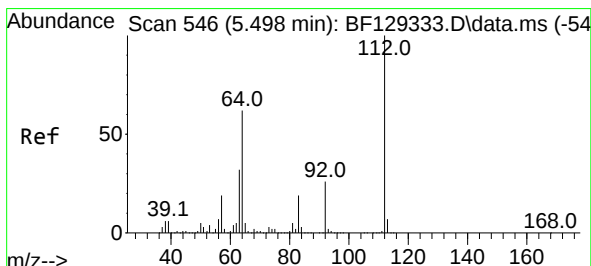
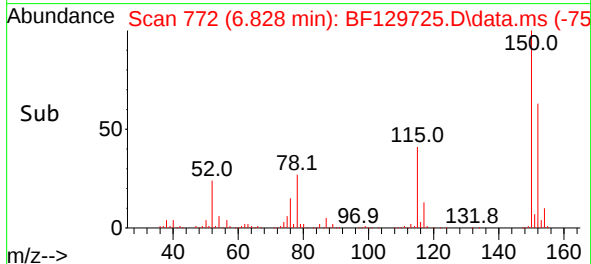
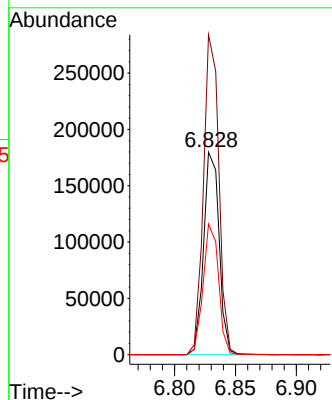
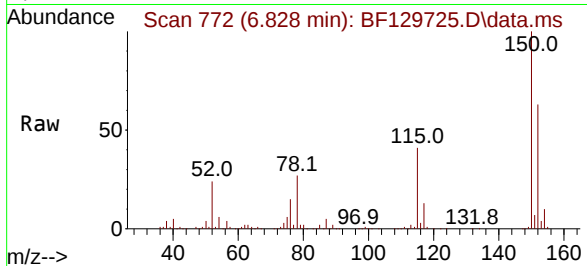




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 71
 Delta R.T. -0.012 min
 Lab File: BF129725.D
 Acq: 11 Aug 2022 20:34

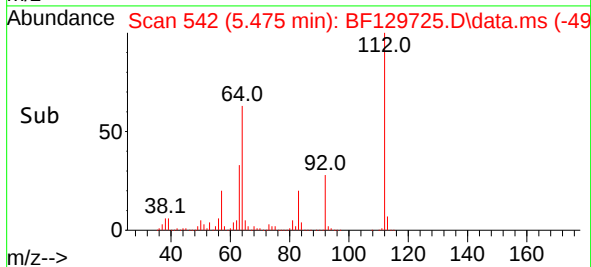
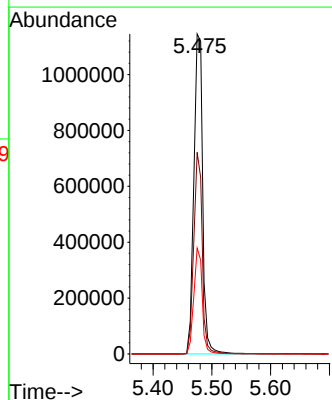
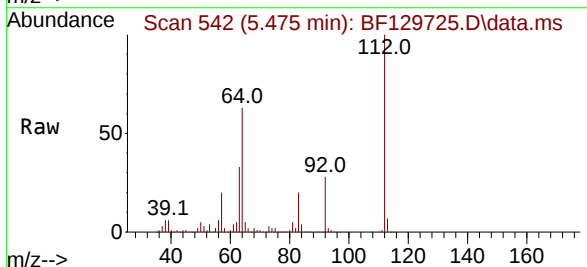
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE

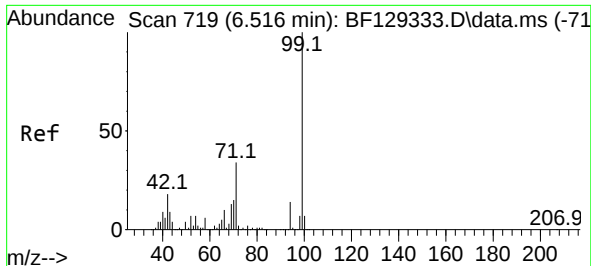
Tgt Ion:152 Resp: 158997
 Ion Ratio Lower Upper
 152 100
 150 158.0 123.7 185.5
 115 64.5 49.9 74.9



#5
 2-Fluorophenol
 Concen: 122.987 ng
 RT: 5.475 min Scan# 542
 Delta R.T. 0.006 min
 Lab File: BF129725.D
 Acq: 11 Aug 2022 20:34

Tgt Ion:112 Resp: 1200404
 Ion Ratio Lower Upper
 112 100
 64 63.0 53.3 79.9
 63 33.1 28.0 42.0

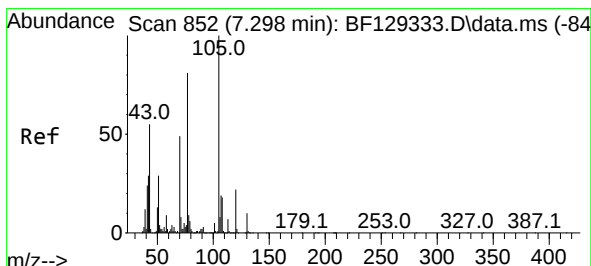
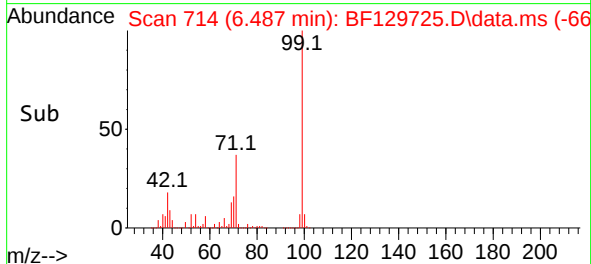
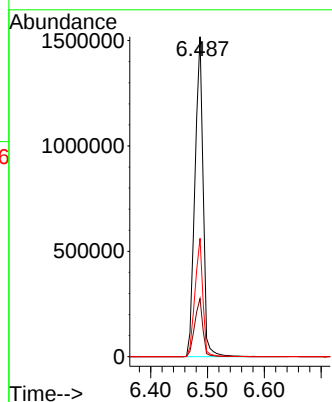
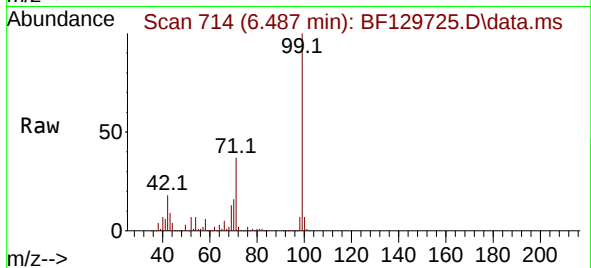




#7
Phenol-d6
Concen: 125.065 ng
RT: 6.487 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

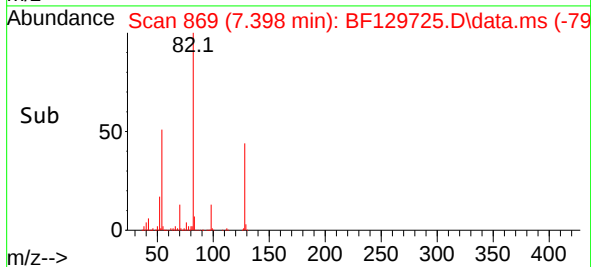
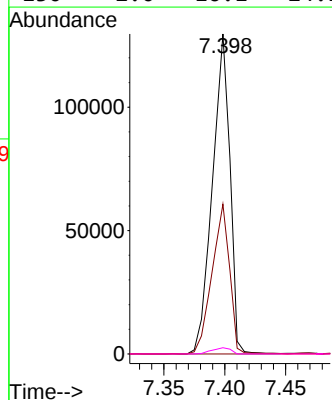
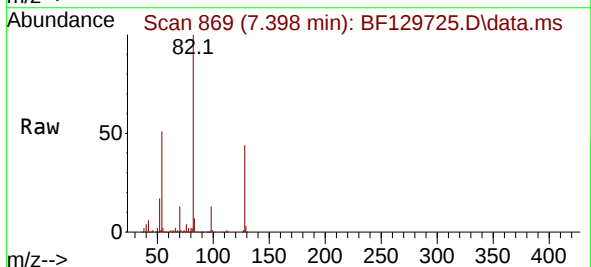
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE

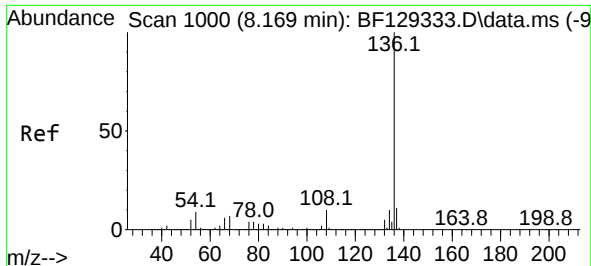
Tgt Ion: 99 Resp: 1534332
Ion Ratio Lower Upper
99 100
42 18.2 17.3 25.9
71 37.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.496 ng
RT: 7.398 min Scan# 869
Delta R.T. 0.141 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

Tgt Ion: 70 Resp: 129943
Ion Ratio Lower Upper
70 100
42 46.8 52.3 78.5#
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#

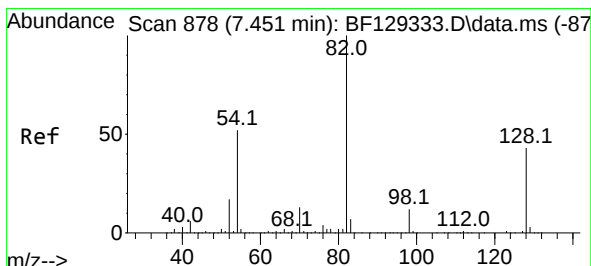
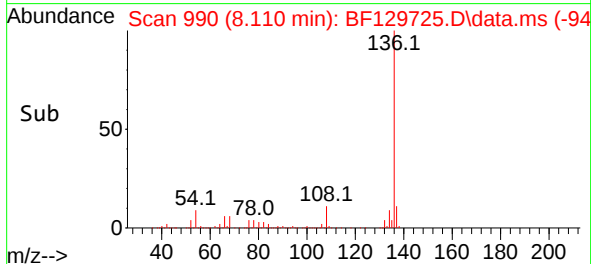
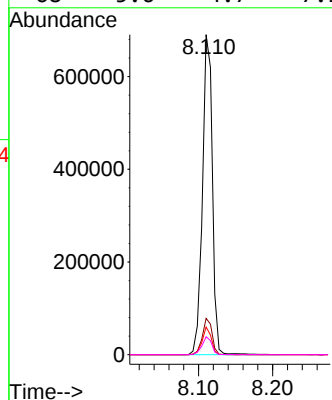
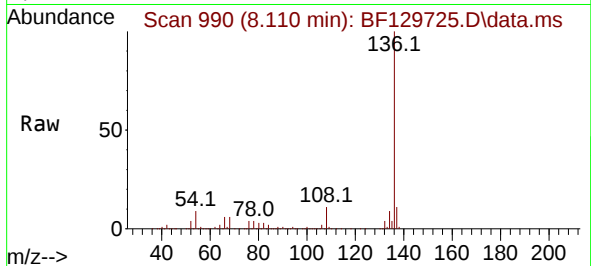




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

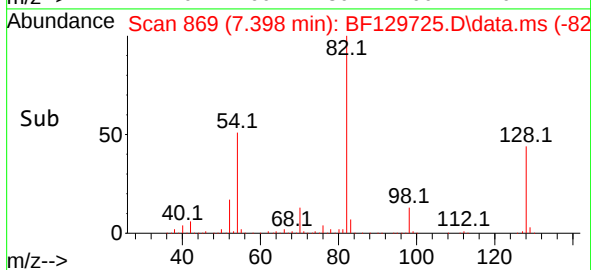
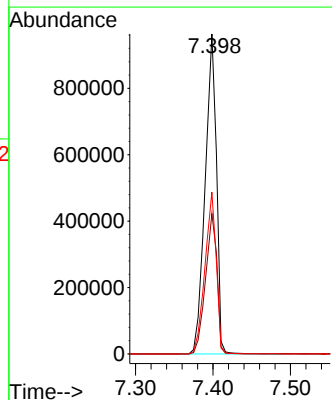
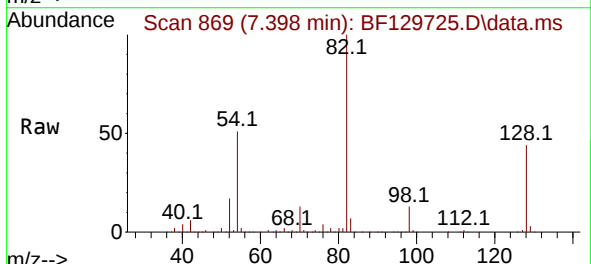
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE

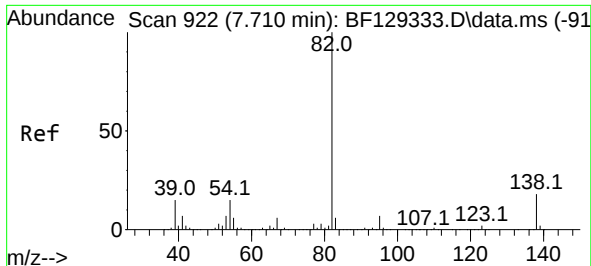
Tgt Ion:	136	Resp:	640127
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.6	7.5	11.3
68	5.6	4.7	7.1



#23
Nitrobenzene-d5
Concen: 83.197 ng
RT: 7.398 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

Tgt Ion:	82	Resp:	975604
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.0	51.0
54	50.5	46.9	70.3

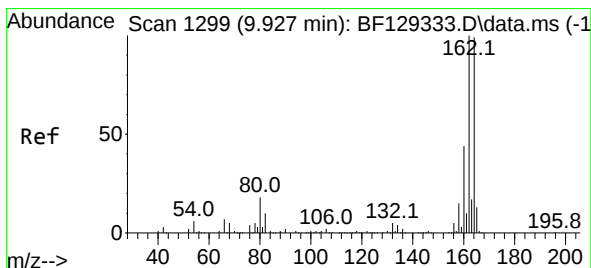
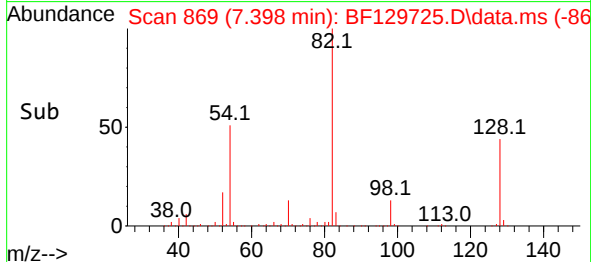
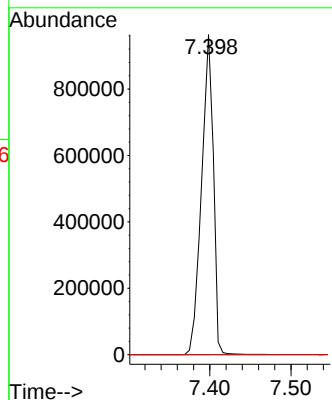
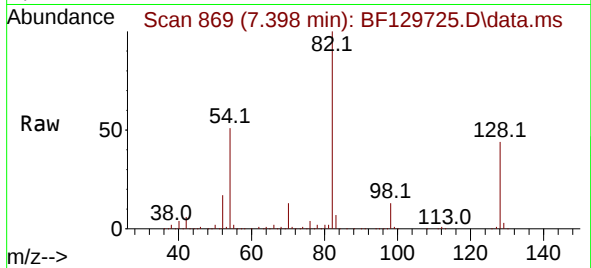




#25
Isophorone
Concen: 46.413 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

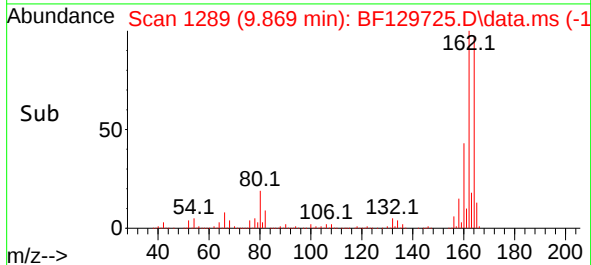
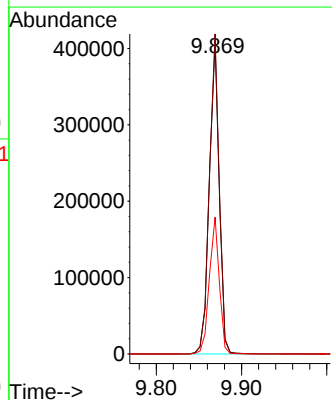
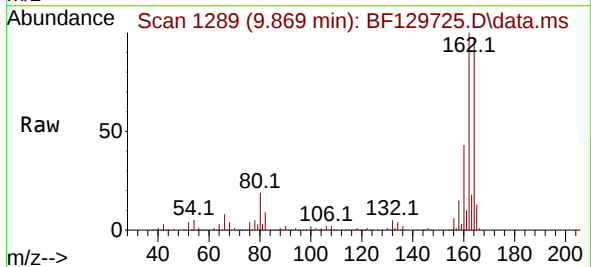
Instrument :
BNA_F
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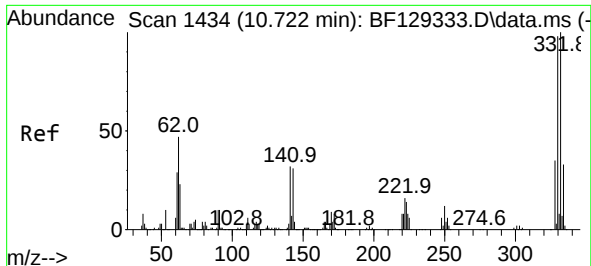
Tgt Ion: 82 Resp: 975592
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

Tgt Ion:164 Resp: 330161
Ion Ratio Lower Upper
164 100
162 102.6 79.5 119.3
160 43.9 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 108.275 ng

RT: 10.663 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129725.D

Acq: 11 Aug 2022 20:34

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE

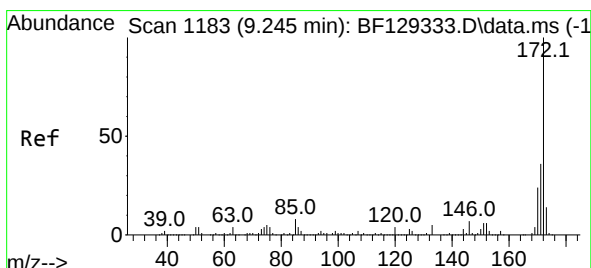
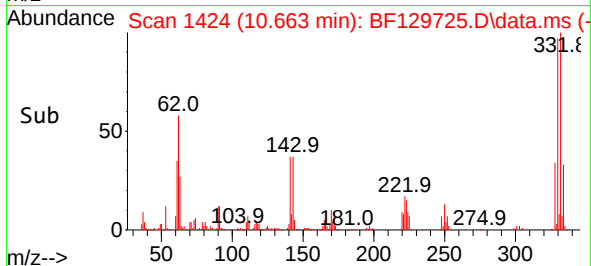
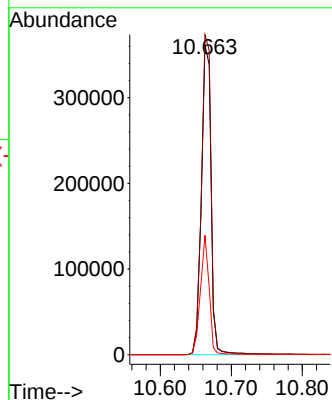
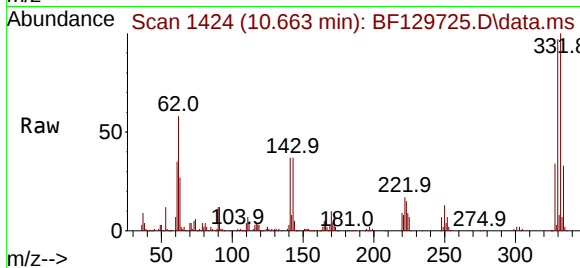
Tgt Ion:330 Resp: 343691

Ion Ratio Lower Upper

330 100

332 104.0 76.8 115.2

141 35.2 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 83.438 ng

RT: 9.187 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BF129725.D

Acq: 11 Aug 2022 20:34

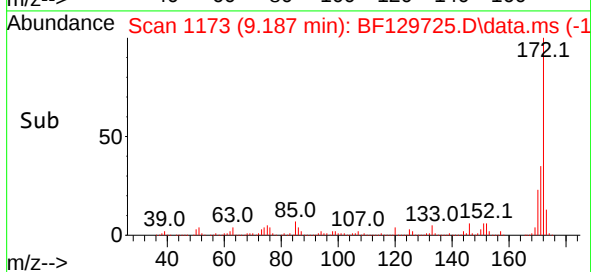
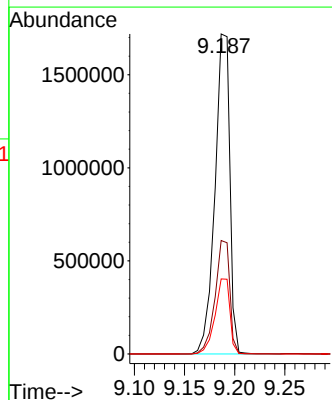
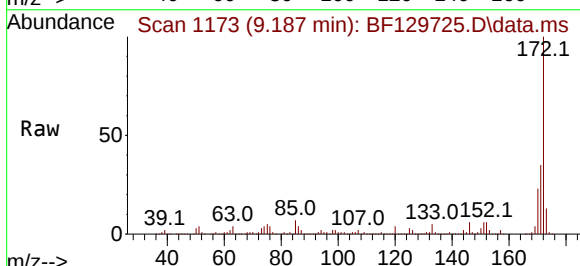
Tgt Ion:172 Resp: 1780787

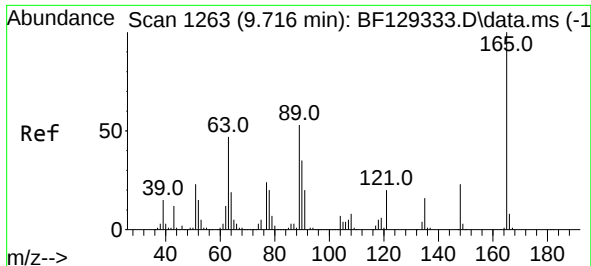
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.5 19.8 29.8

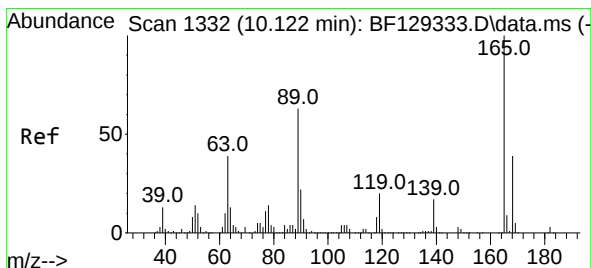
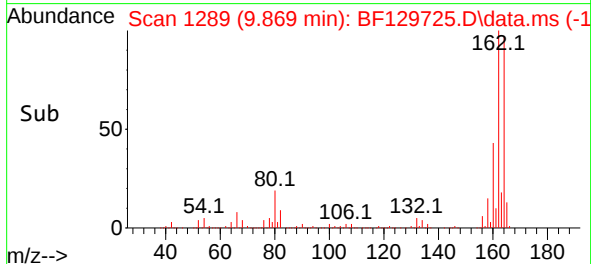
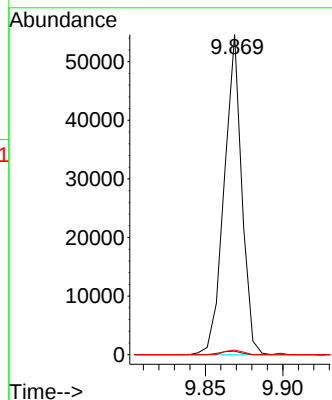
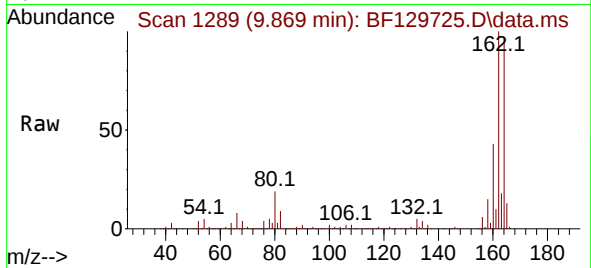




#51
2,6-Dinitrotoluene
Concen: 8.438 ng
RT: 9.869 min Scan# 1289
Delta R.T. 0.200 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

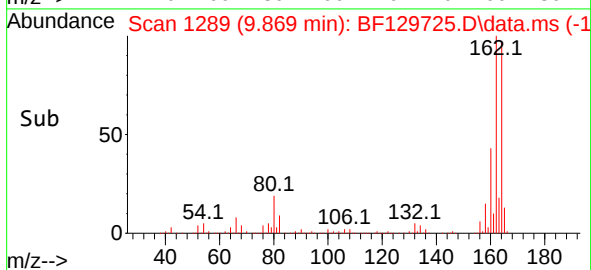
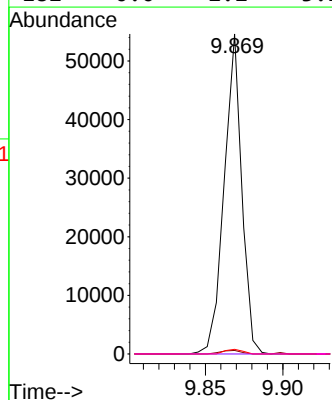
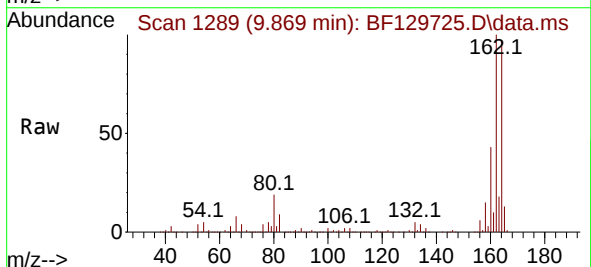
Instrument :
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ClientSampleId :
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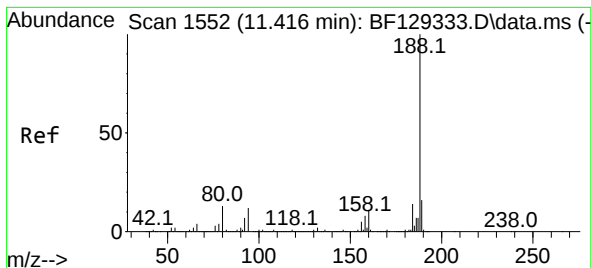
Tgt Ion:165 Resp: 43044
Ion Ratio Lower Upper
165 100
63 1.1 44.9 67.3#
89 1.5 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.459 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.212 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

Tgt Ion:165 Resp: 43044
Ion Ratio Lower Upper
165 100
63 1.1 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129725.D

Acq: 11 Aug 2022 20:34

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE

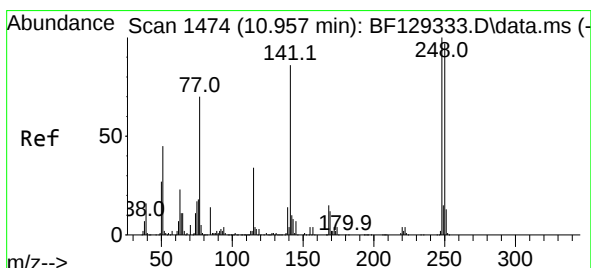
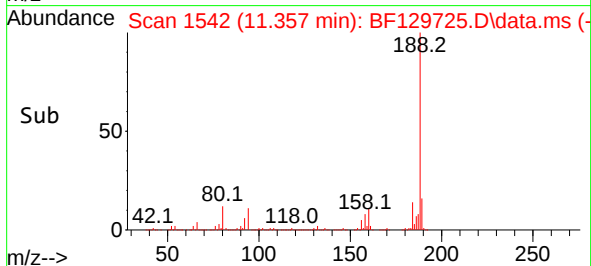
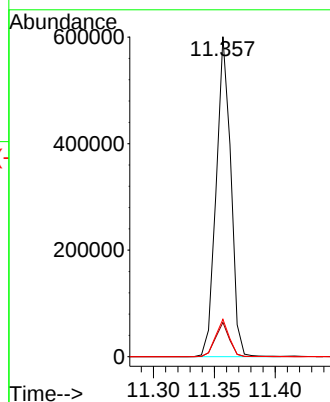
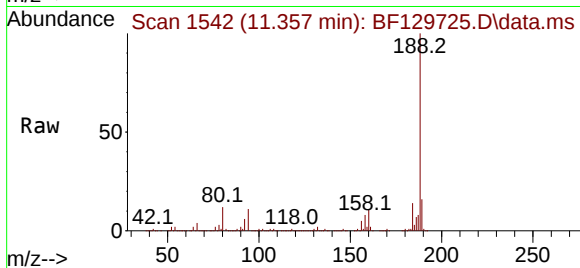
Tgt Ion:188 Resp: 502792

Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 11.7 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 3.813 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.247 min

Lab File: BF129725.D

Acq: 11 Aug 2022 20:34

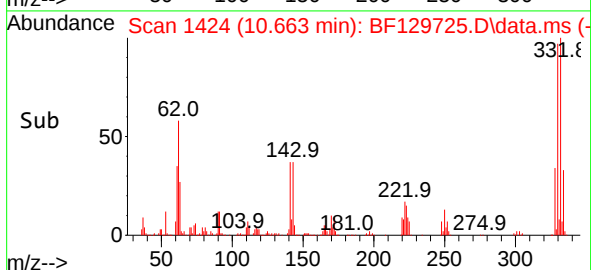
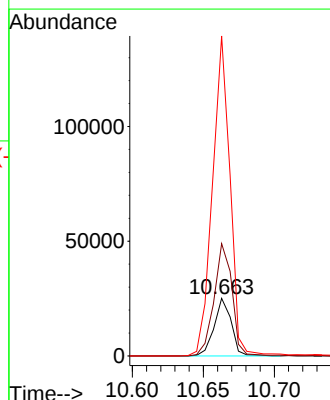
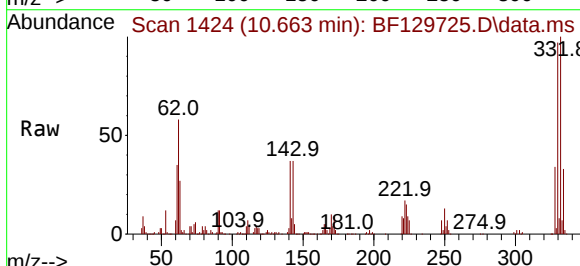
Tgt Ion:248 Resp: 20994

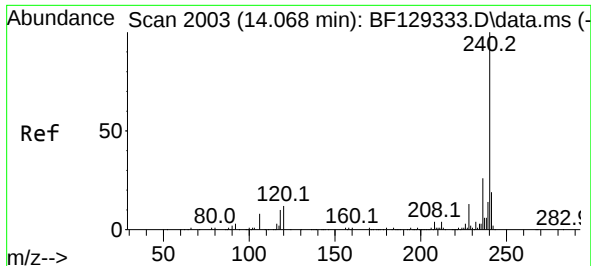
Ion Ratio Lower Upper

248 100

250 195.0 80.6 120.8#

141 555.9 58.9 88.3#

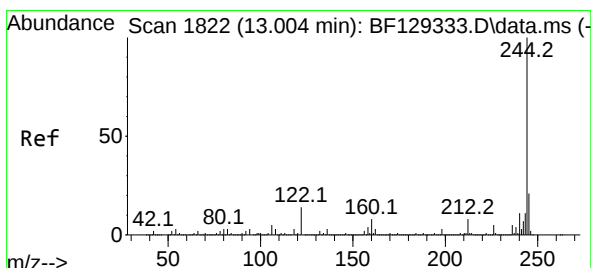
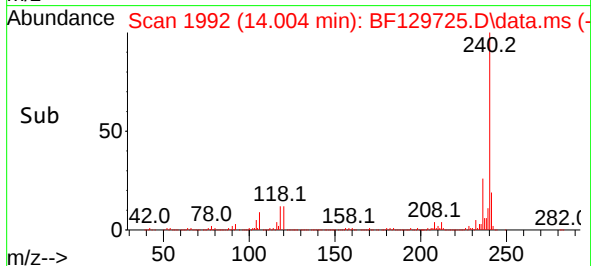
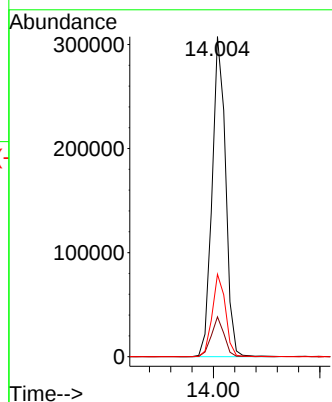
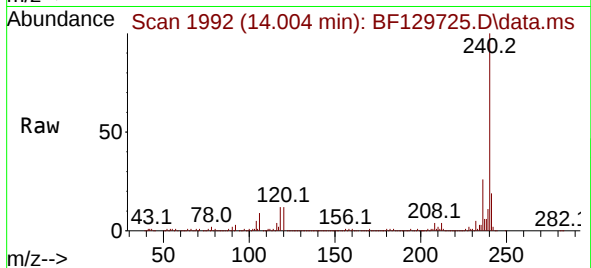




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.018 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

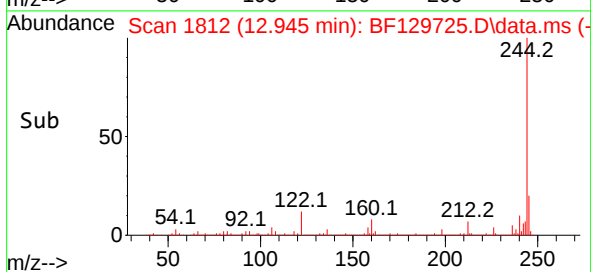
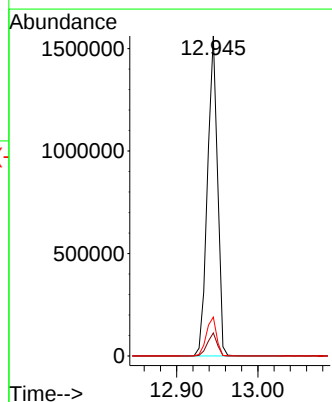
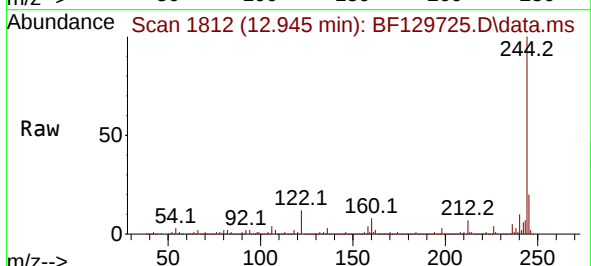
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE

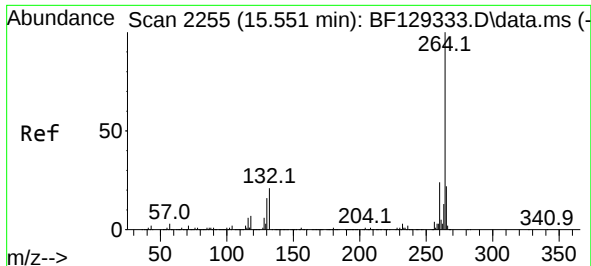
Tgt Ion:240 Resp: 271033
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 25.8 20.8 31.2



#79
Terphenyl-d14
Concen: 93.215 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

Tgt Ion:244 Resp: 1339155
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 12.2 8.8 13.2

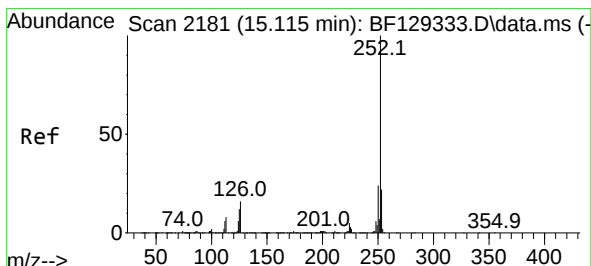
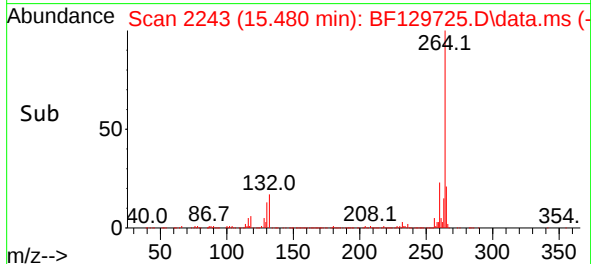
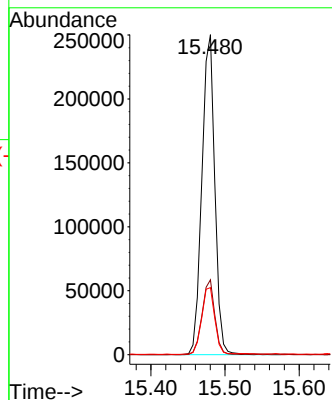
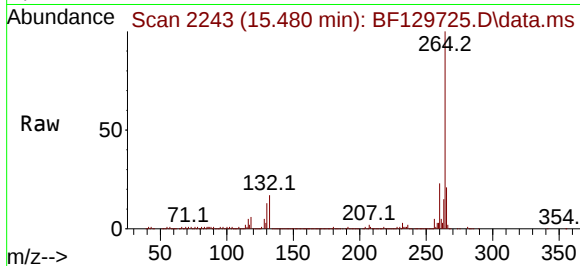




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2169
Delta R.T. -0.012 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

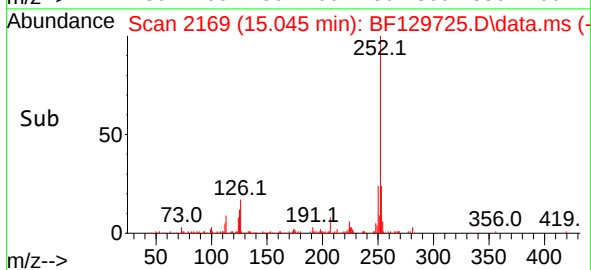
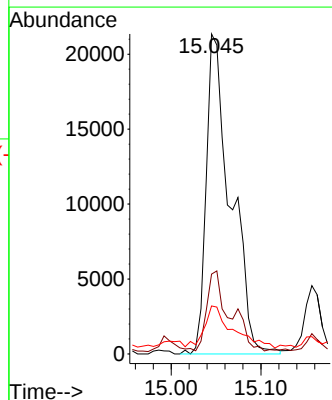
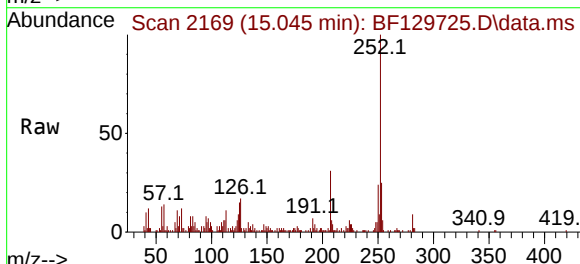
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE

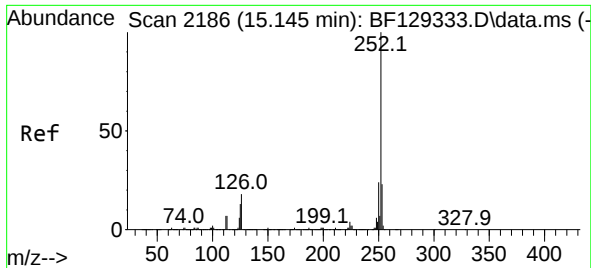
Tgt Ion:264 Resp: 303311
Ion Ratio Lower Upper
264 100
260 23.4 18.4 27.6
265 20.9 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 2.001 ng
RT: 15.045 min Scan# 2169
Delta R.T. -0.018 min
Lab File: BF129725.D
Acq: 11 Aug 2022 20:34

Tgt Ion:252 Resp: 40253
Ion Ratio Lower Upper
252 100
253 24.9 17.7 26.5
125 15.0 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.042 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF129725.D

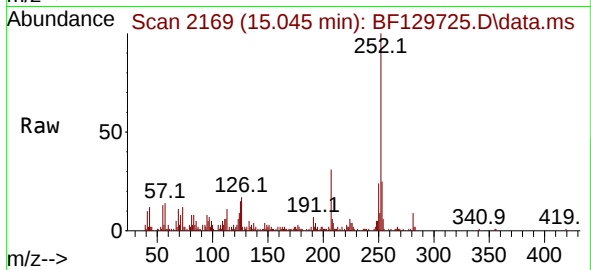
Acq: 11 Aug 2022 20:34

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE



Tgt Ion:252 Resp: 40253

Ion Ratio Lower Upper

252 100

253 24.9 17.8 26.6

125 15.0 8.3 12.5#

