

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
 Data File : BF127808.D
 Acq On : 15 Apr 2022 17:27
 Operator : CG\JU
 Sample : N2394-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-7-SOIL-PILE-BELOW-BRIDGE

Quant Time: Apr 18 01:25:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

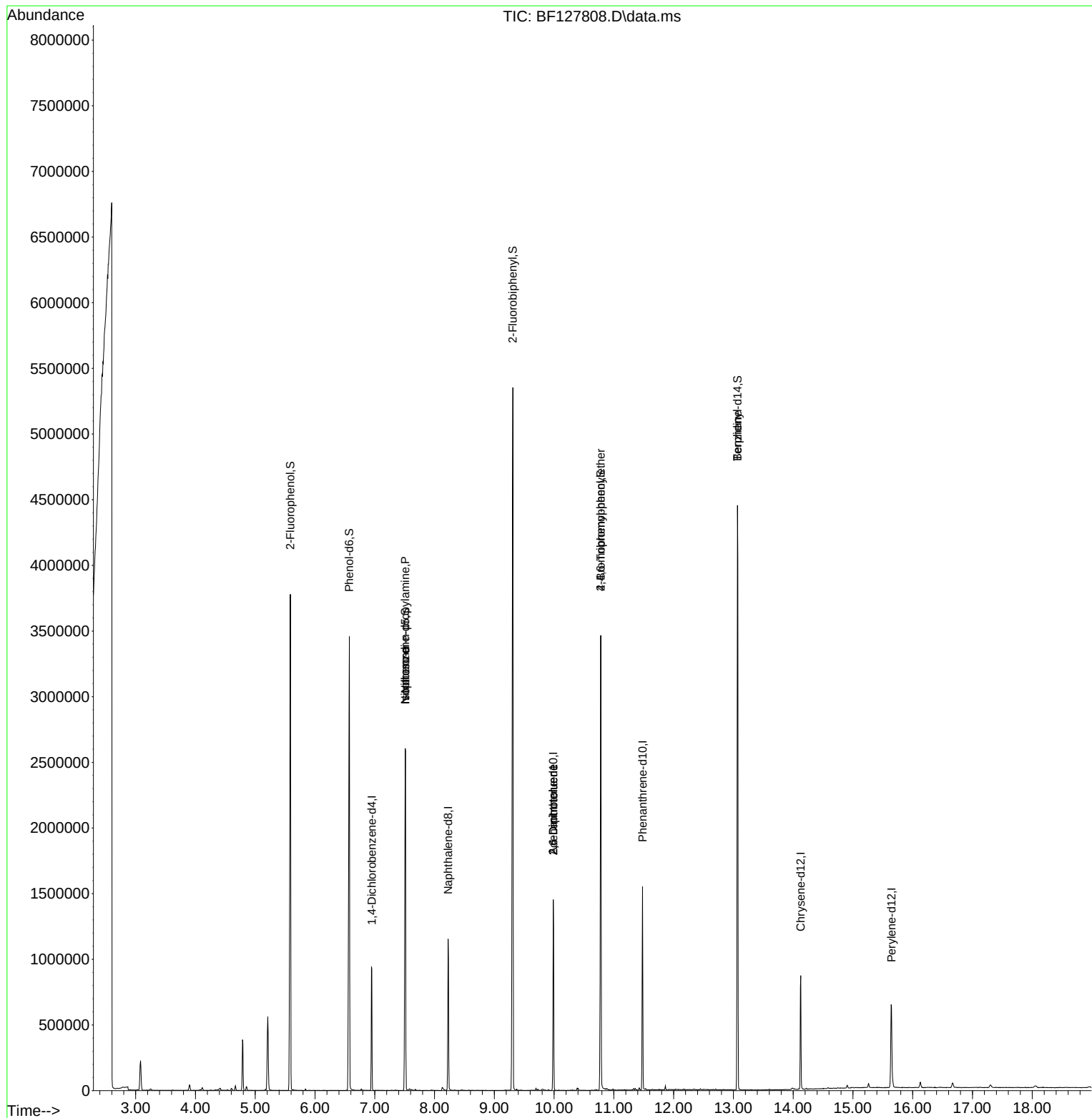
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	142198	20.000	ng	-0.01
21) Naphthalene-d8	8.228	136	531350	20.000	ng	#-0.02
39) Acenaphthene-d10	9.986	164	300755	20.000	ng	-0.02
64) Phenanthrene-d10	11.480	188	521078	20.000	ng	-0.01
76) Chrysene-d12	14.127	240	312465	20.000	ng	-0.02
86) Perylene-d12	15.645	264	326508	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1040118	118.855	ng	0.00
7) Phenol-d6	6.575	99	1212210	105.885	ng	-0.01
23) Nitrobenzene-d5	7.510	82	1025737	86.061	ng	-0.02
42) 2,4,6-Tribromophenol	10.780	330	416420	130.112	ng	-0.02
45) 2-Fluorobiphenyl	9.310	172	1787697	84.088	ng	-0.01
79) Terphenyl-d14	13.068	244	1697373	89.664	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.569	77	2520	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.510	70	139074	18.782	ng	# 74
25) Isophorone	7.510	82	1024265	49.250	ng	# 70
51) 2,6-Dinitrotoluene	9.986	165	37830	9.206	ng	# 17
57) 2,4-Dinitrotoluene	9.986	165	37830	7.425	ng	# 13
67) 4-Bromophenyl-phenylether	10.780	248	27343	4.324	ng	# 1
77) Benizidine	13.068	184	23500	2.881	ng	# 92

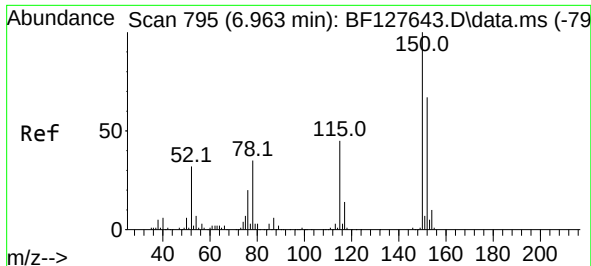
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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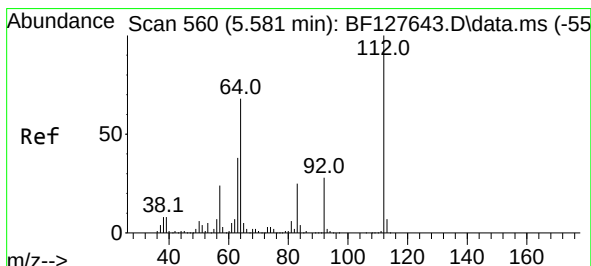
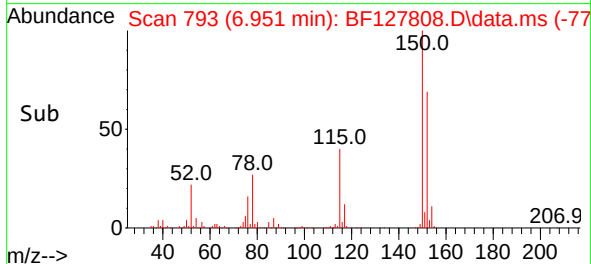
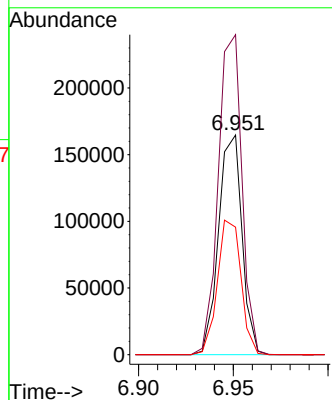
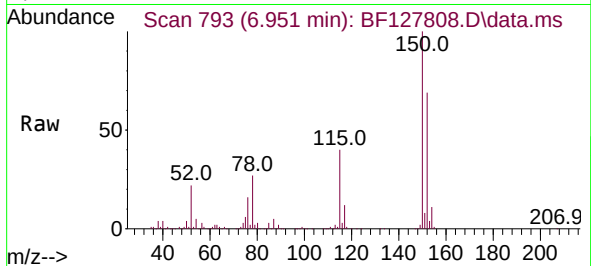




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

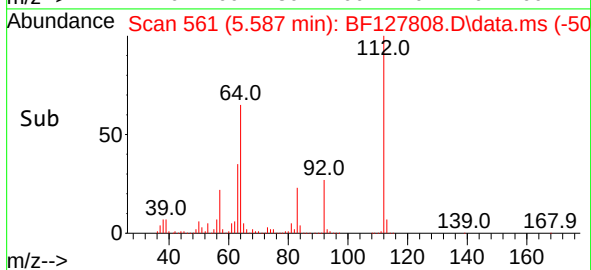
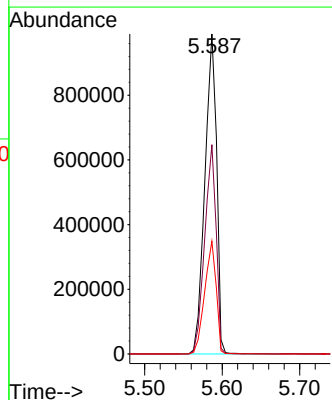
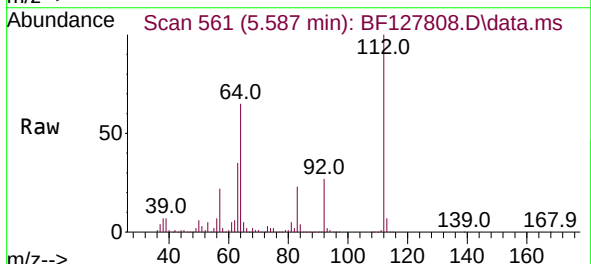
Instrument :
BNA_F
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

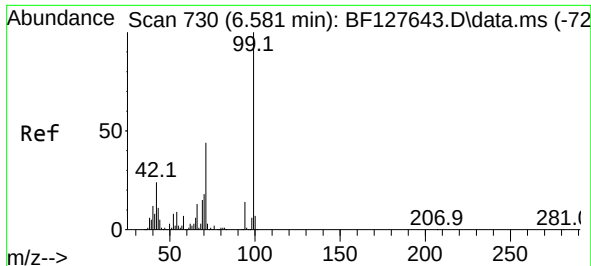
Tgt Ion:152 Resp: 142198
Ion Ratio Lower Upper
152 100
150 145.7 117.2 175.8
115 58.1 49.8 74.6



#5
2-Fluorophenol
Concen: 118.855 ng
RT: 5.587 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

Tgt Ion:112 Resp: 1040118
Ion Ratio Lower Upper
112 100
64 65.4 58.4 87.6
63 35.3 30.1 45.1

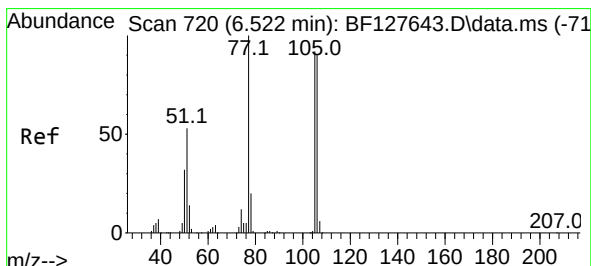
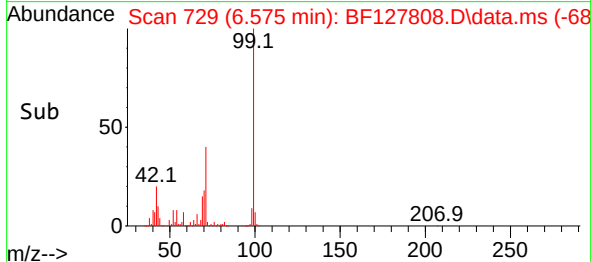
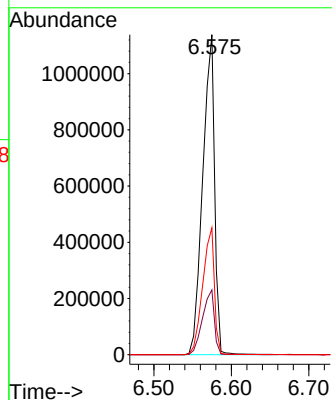
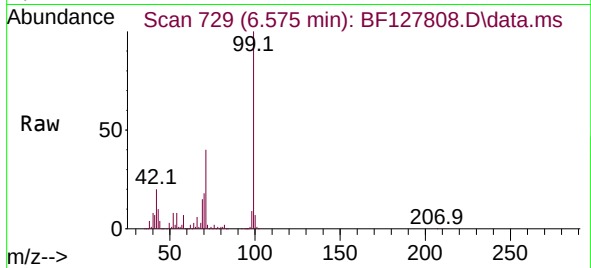




#7
Phenol-d6
Concen: 105.885 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

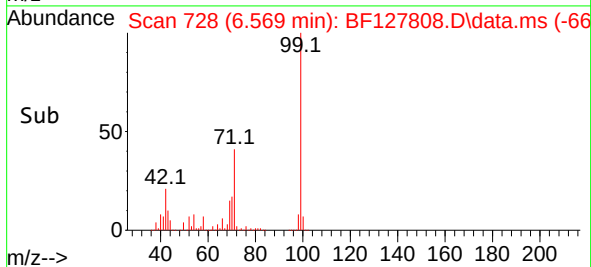
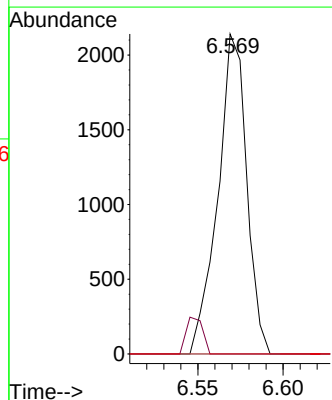
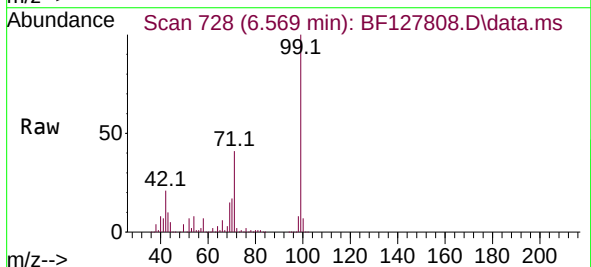
Instrument :
BNA_F
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

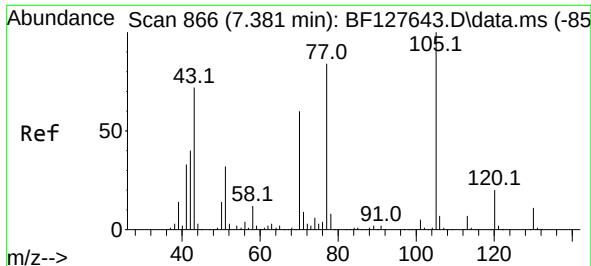
Tgt Ion: 99 Resp: 1212210
Ion Ratio Lower Upper
99 100
42 20.2 17.8 26.6
71 39.7 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.569 min Scan# 728
Delta R.T. 0.053 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

Tgt Ion: 77 Resp: 2520
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 18.782 ng

RT: 7.510 min Scan# 81

Delta R.T. 0.135 min

Lab File: BF127808.D

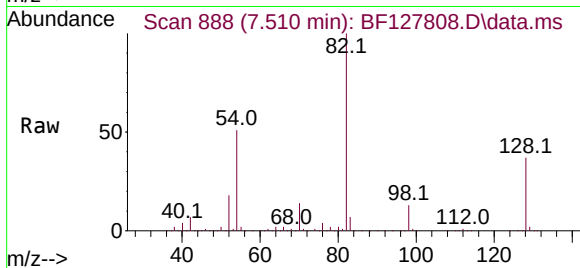
Acq: 15 Apr 2022 17:27

Instrument :

BNA_F

ClientSampleId :

CS-7-SOIL-PILE-BELOW-BRIDGE



Tgt Ion: 70 Resp: 139074

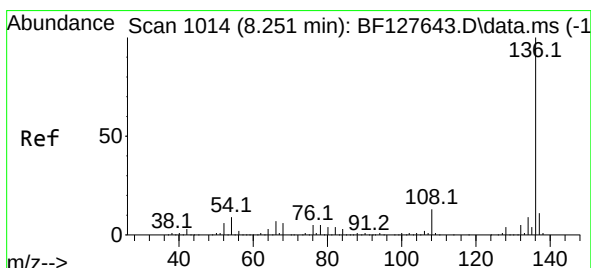
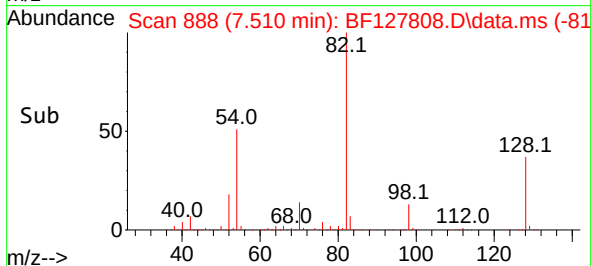
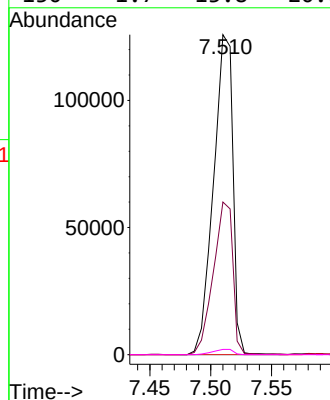
Ion Ratio Lower Upper

70 100

42 47.7 53.0 79.6#

101 0.0 6.8 10.2#

130 1.7 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.228 min Scan# 1010

Delta R.T. -0.018 min

Lab File: BF127808.D

Acq: 15 Apr 2022 17:27

Tgt Ion: 136 Resp: 531350

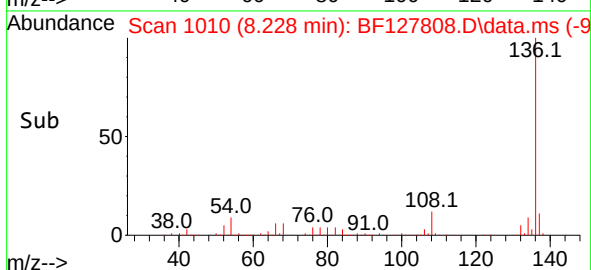
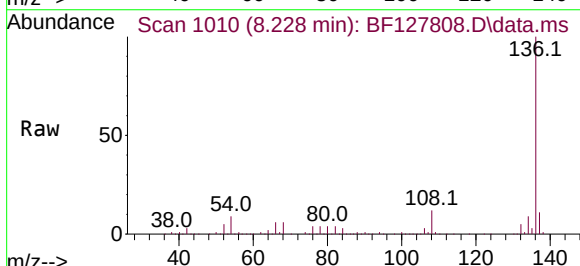
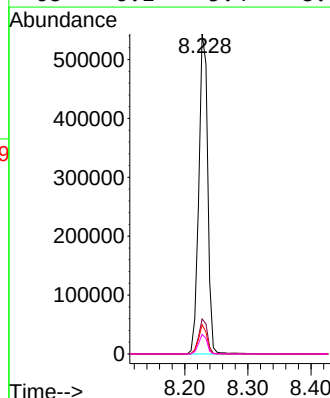
Ion Ratio Lower Upper

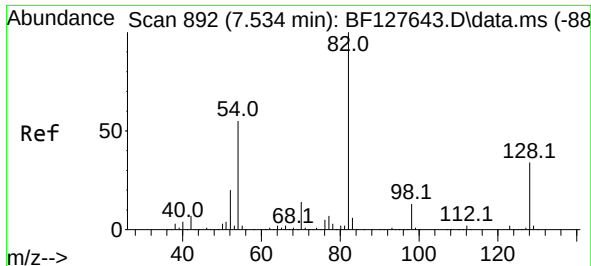
136 100

137 10.9 8.6 13.0

54 9.2 9.2 13.8#

68 6.1 5.4 8.0





#23

Nitrobenzene-d5

Concen: 86.061 ng

RT: 7.510 min Scan# 888

Delta R.T. -0.018 min

Lab File: BF127808.D

Acq: 15 Apr 2022 17:27

Instrument :

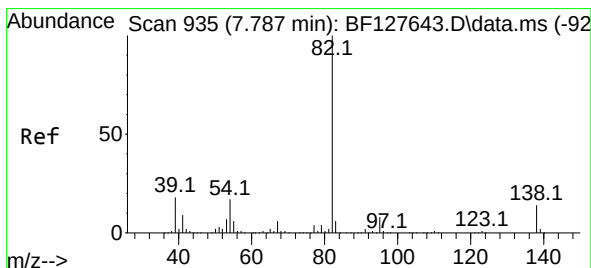
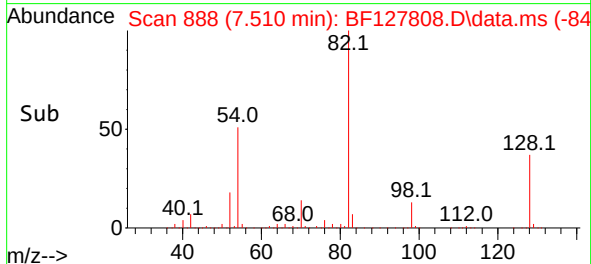
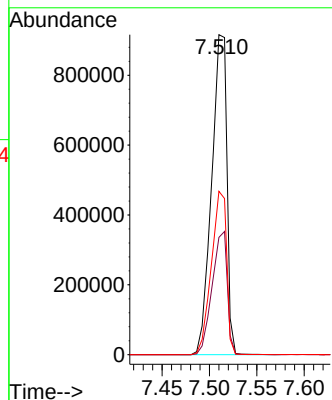
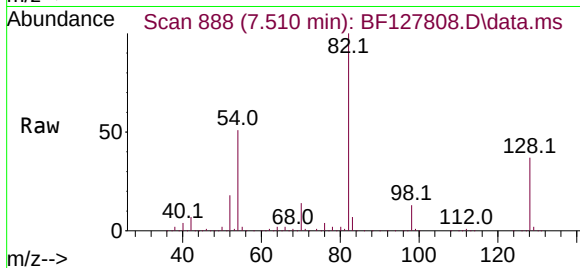
BNA_F

ClientSampleId :

CS-7-SOIL-PILE-BELOW-BRIDGE

Tgt Ion: 82 Resp: 1025737

Ion	Ratio	Lower	Upper
82	100		
128	36.6	30.6	45.8
54	51.1	48.2	72.2



#25

Isophorone

Concen: 49.250 ng

RT: 7.510 min Scan# 888

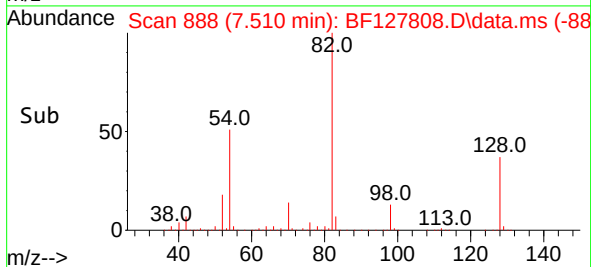
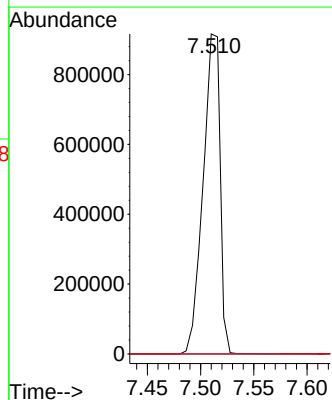
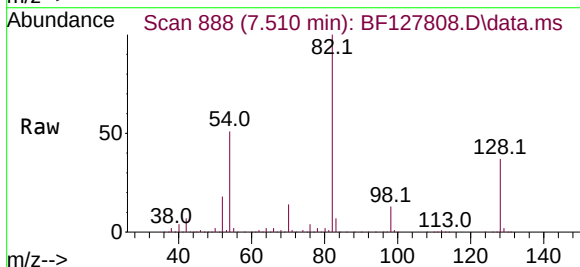
Delta R.T. -0.277 min

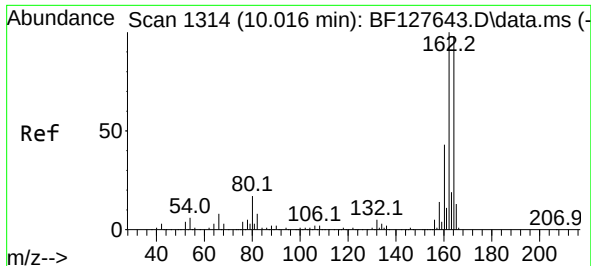
Lab File: BF127808.D

Acq: 15 Apr 2022 17:27

Tgt Ion: 82 Resp: 1024265

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.8#
138	0.0	11.6	17.4#

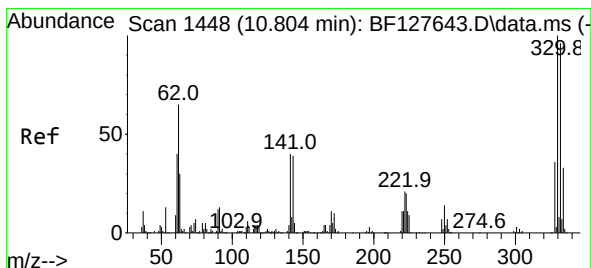
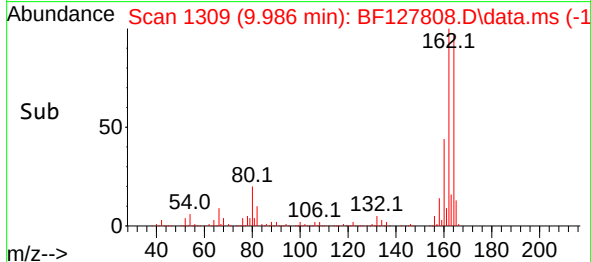
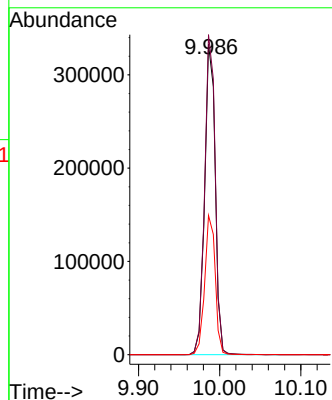
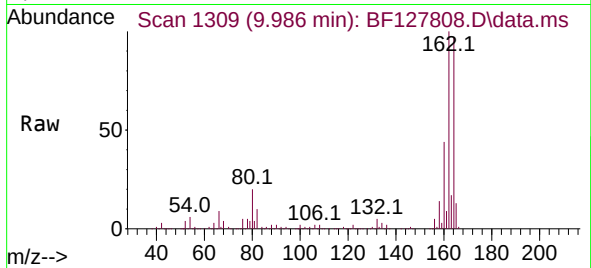




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

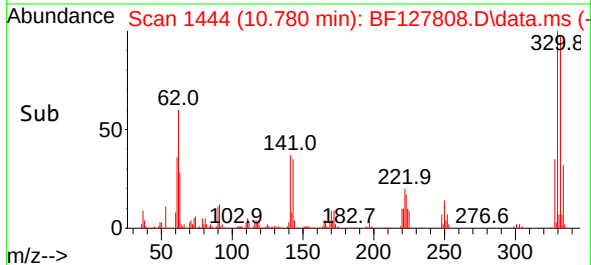
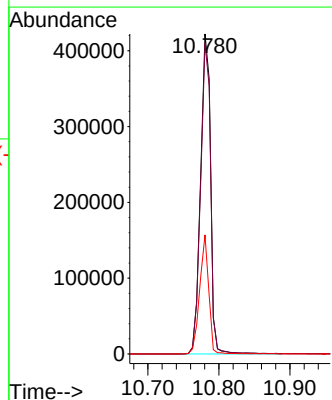
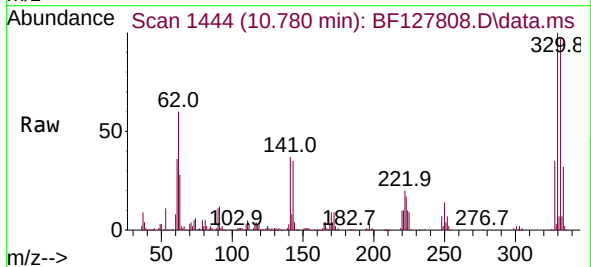
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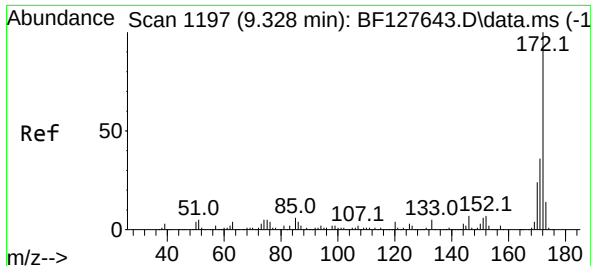
Tgt Ion:164 Resp: 300755
Ion Ratio Lower Upper
164 100
162 103.1 81.2 121.8
160 44.9 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 130.112 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

Tgt Ion:330 Resp: 416420
Ion Ratio Lower Upper
330 100
332 97.1 79.1 118.7
141 33.6 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 84.088 ng

RT: 9.310 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF127808.D

Acq: 15 Apr 2022 17:27

Instrument :

BNA_F

ClientSampleId :

CS-7-SOIL-PILE-BELOW-BRIDGE

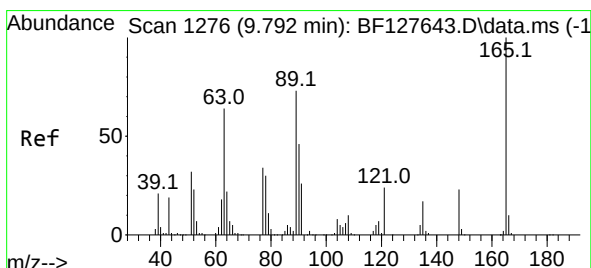
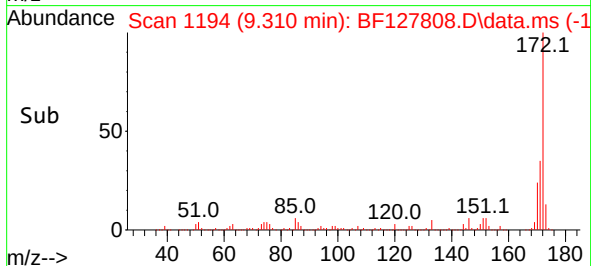
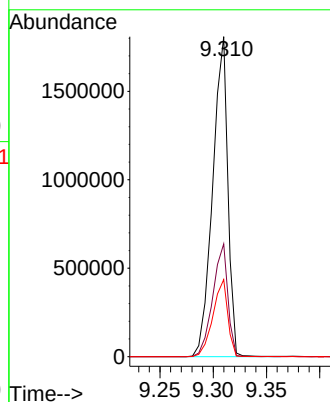
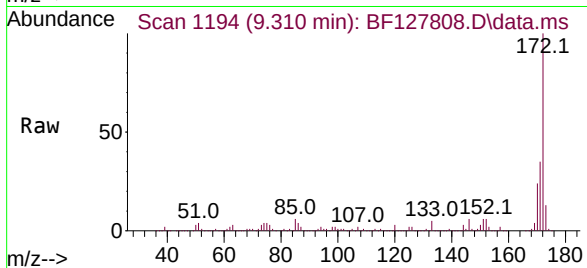
Tgt Ion:172 Resp: 1787697

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 24.1 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.206 ng

RT: 9.986 min Scan# 1309

Delta R.T. 0.200 min

Lab File: BF127808.D

Acq: 15 Apr 2022 17:27

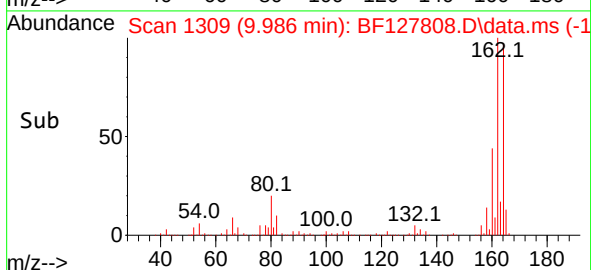
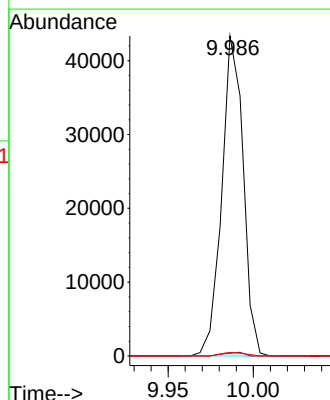
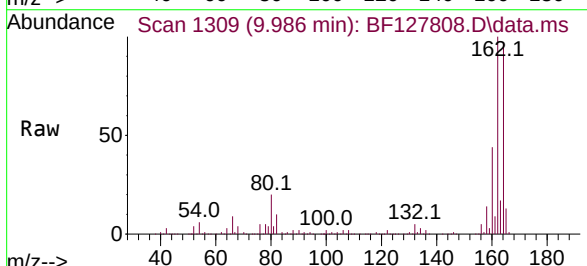
Tgt Ion:165 Resp: 37830

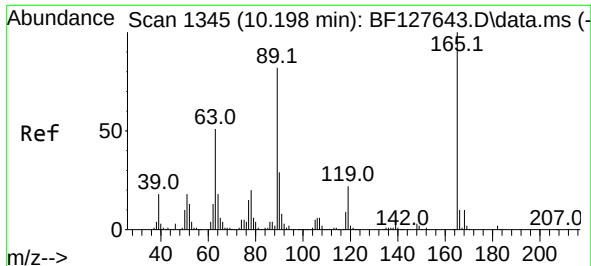
Ion Ratio Lower Upper

165 100

63 0.9 58.3 87.5#

89 1.1 51.5 77.3#

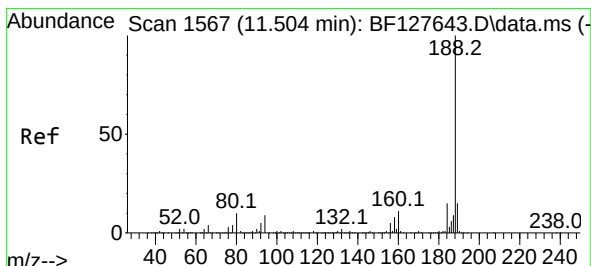
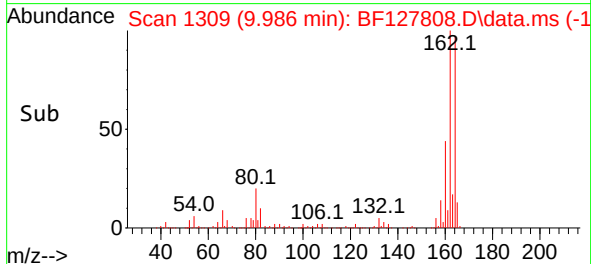
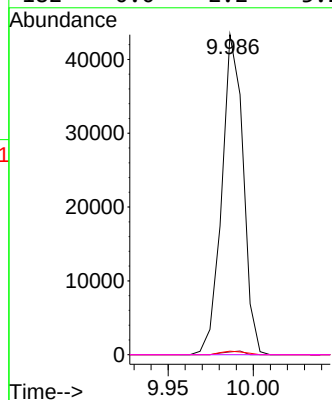
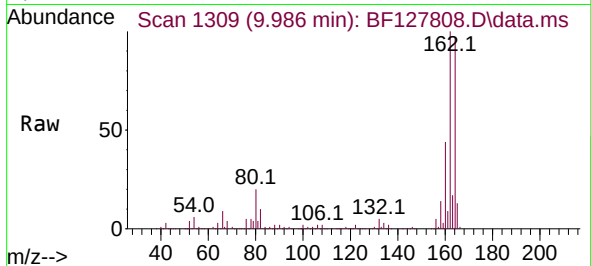




#57
2,4-Dinitrotoluene
Concen: 7.425 ng
RT: 9.986 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

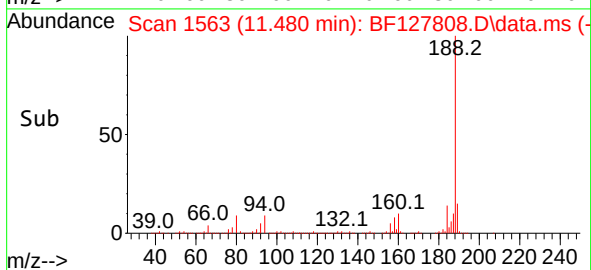
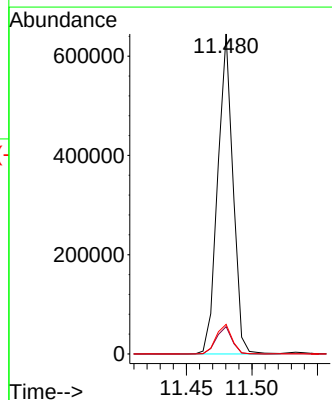
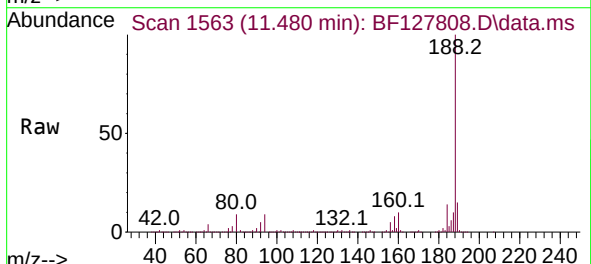
Instrument :
BNA_F
ClientSampleId :
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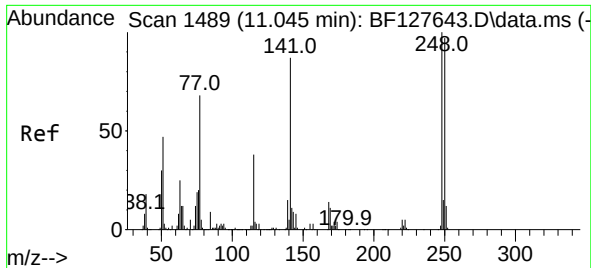
Tgt Ion:165 Resp: 37830
Ion Ratio Lower Upper
165 100
63 0.9 53.1 79.7#
89 1.1 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

Tgt Ion:188 Resp: 521078
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.0
80 9.2 8.0 12.0

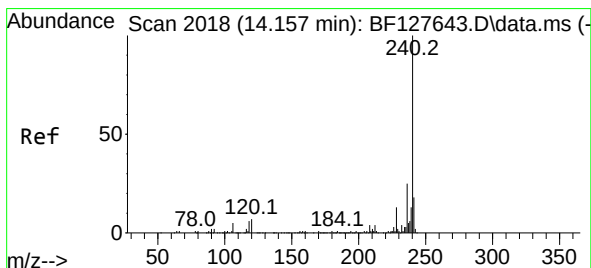
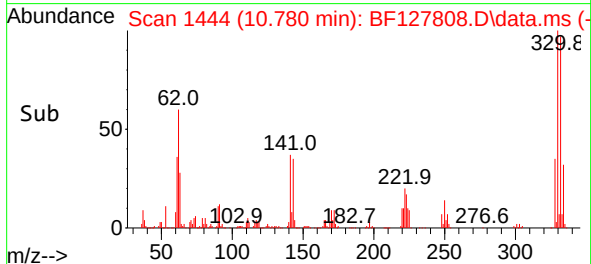
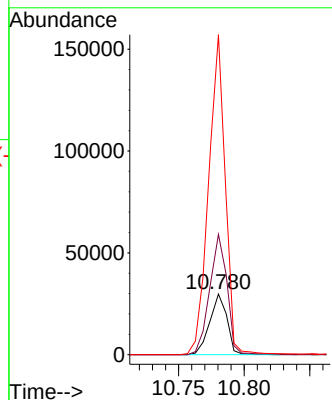
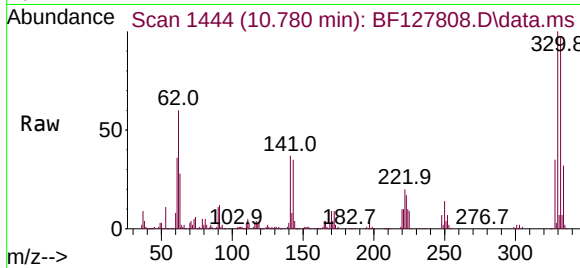




#67
4-Bromophenyl-phenylether
Concen: 4.324 ng
RT: 10.780 min Scan# 1489
Delta R.T. -0.259 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

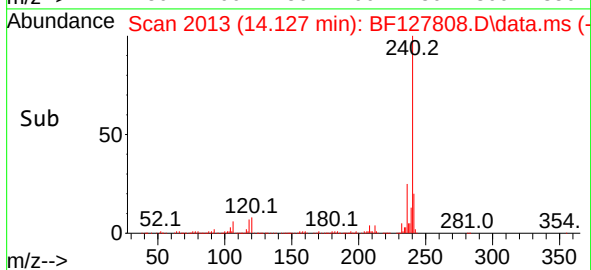
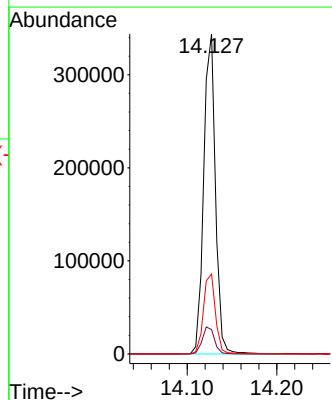
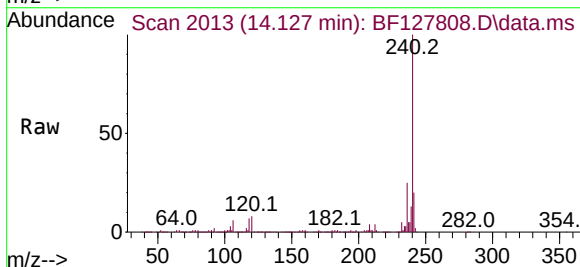
Instrument :
BNA_F
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

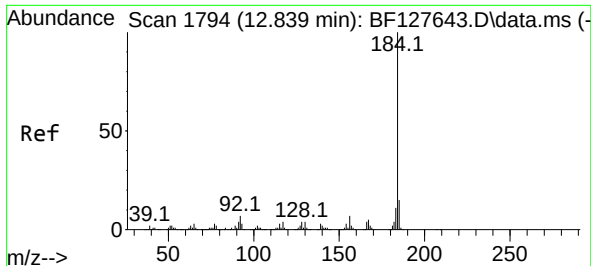
Tgt Ion:248 Resp: 27343
Ion Ratio Lower Upper
248 100
250 198.5 76.6 115.0#
141 527.7 52.2 78.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.018 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

Tgt Ion:240 Resp: 312465
Ion Ratio Lower Upper
240 100
120 7.6 7.1 10.7
236 25.0 20.7 31.1

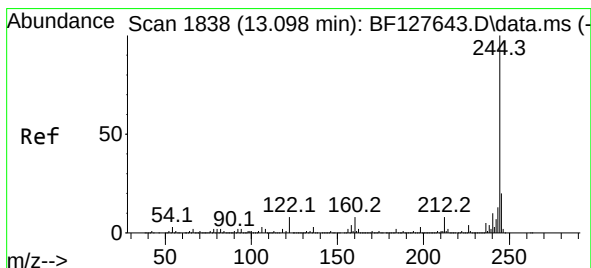
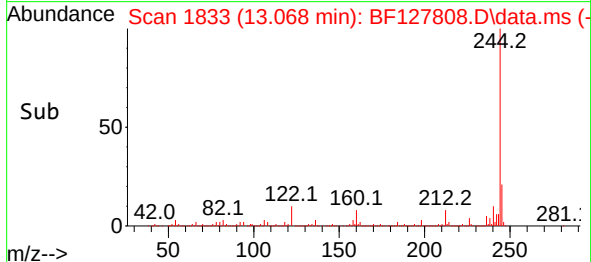
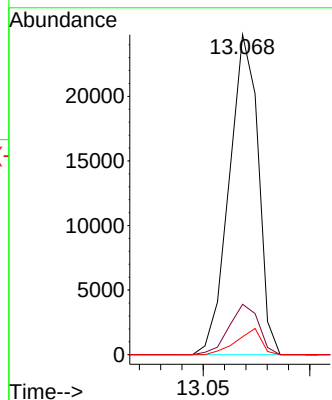
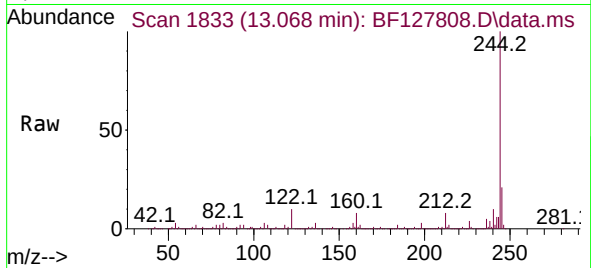




#77
Benzidine
Concen: 2.881 ng
RT: 13.068 min Scan# 1833
Delta R.T. 0.241 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

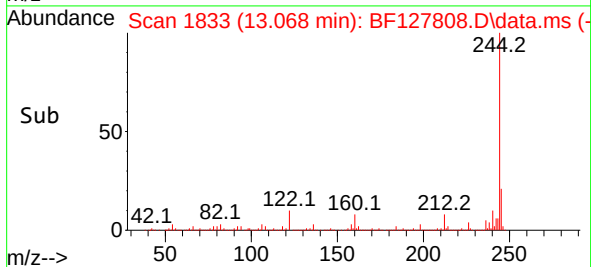
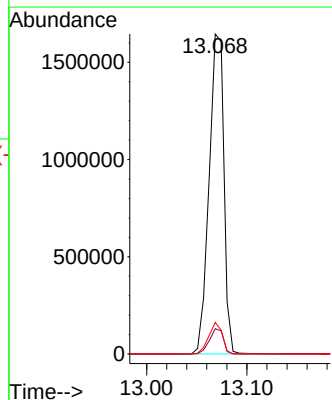
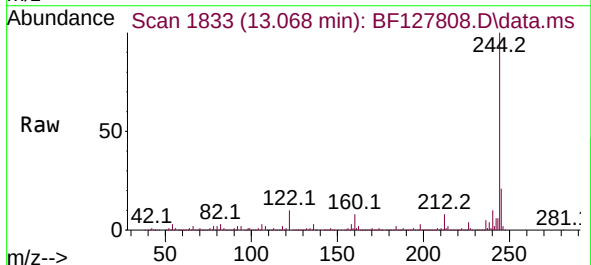
Instrument :
BNA_F
ClientSampleId :
CS-7-SOIL-PILE-BELOW-BRIDGE

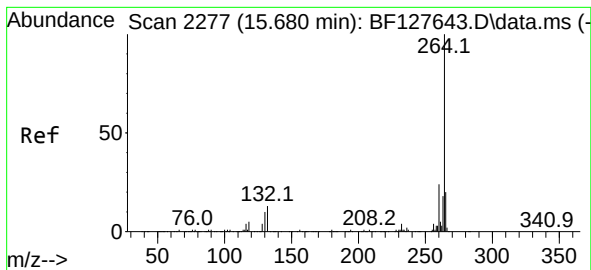
Tgt Ion:184 Resp: 23500
Ion Ratio Lower Upper
184 100
185 15.8 12.2 18.2
183 5.6 9.4 14.0#



#79
Terphenyl-d14
Concen: 89.664 ng
RT: 13.068 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF127808.D
Acq: 15 Apr 2022 17:27

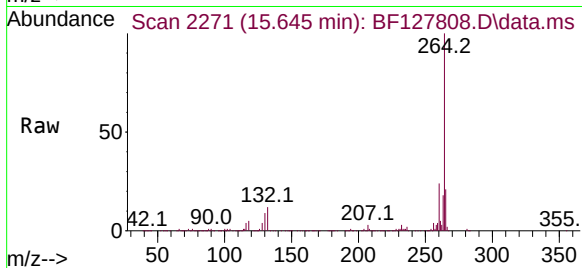
Tgt Ion:244 Resp: 1697373
Ion Ratio Lower Upper
244 100
212 7.9 5.7 8.5
122 9.8 6.2 9.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.645 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF127808.D
 Acq: 15 Apr 2022 17:27

Instrument :
 BNA_F
 ClientSampleId :
 CS-7-SOIL-PILE-BELOW-BRIDGE



Tgt Ion:264 Resp: 326508
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.1 28.7
 265 20.9 17.4 26.2

