

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110522\
 Data File : BF131034.D
 Acq On : 05 Nov 2022 23:10
 Operator : CG\JU
 Sample : N5452-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Quant Time: Nov 07 00:53:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 07 00:46:02 2022
 Response via : Initial Calibration

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

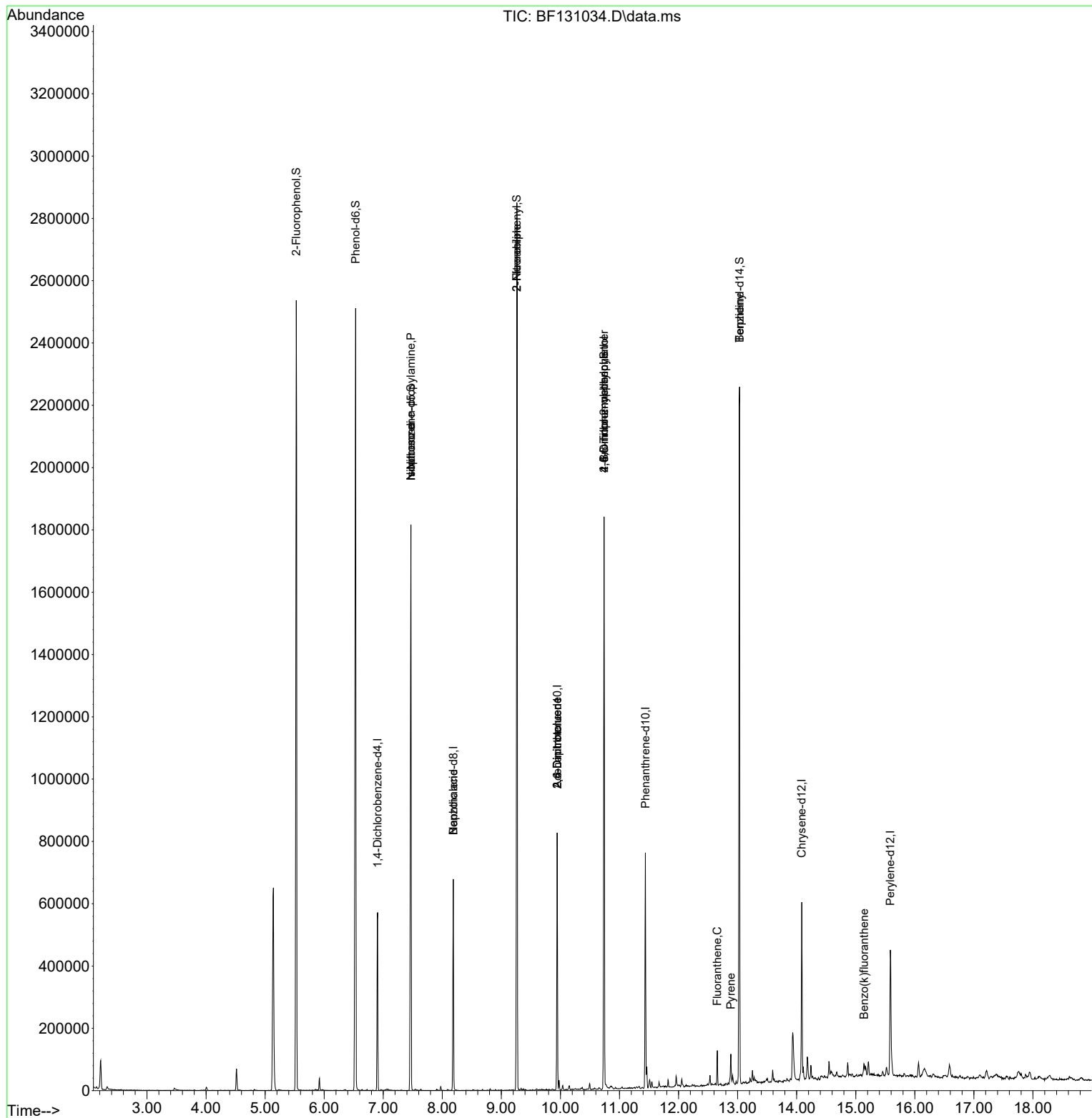
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	78891	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	264977	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	152993	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	245907	20.000	ng	0.00
76) Chrysene-d12	14.086	240	176526	20.000	ng	0.00
86) Perylene-d12	15.586	264	182565	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	690540	151.745	ng	0.01
7) Phenol-d6	6.534	99	862862	145.912	ng	0.00
23) Nitrobenzene-d5	7.469	82	586518	133.470	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	209195	162.432	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	925016	91.410	ng	0.00
79) Terphenyl-d14	13.033	244	803187	83.376	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.469	70	81567	20.273	ng	# 77
25) Isophorone	7.469	82	586511	64.723	ng	# 66
32) Benzoic acid	8.186	122	56	7.697	ng	# 1
48) 2-Nitroaniline	9.263	65	1820	4.739	ng	# 1
51) 2,6-Dinitrotoluene	9.945	165	19527	11.996	ng	# 14
57) 2,4-Dinitrotoluene	9.945	165	19527	10.886	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.739	198	591	8.408	ng	# 1
67) 4-Bromophenyl-phenylether	10.739	248	13106	5.300	ng	# 1
75) Fluoranthene	12.657	202	37851	2.807	ng	95
77) Benzidine	13.033	184	12506	2.918	ng	# 94
78) Pyrene	12.886	202	36376	2.442	ng	96
89) Benzo(k)fluoranthene	15.139	252	23002	2.000	ng	98

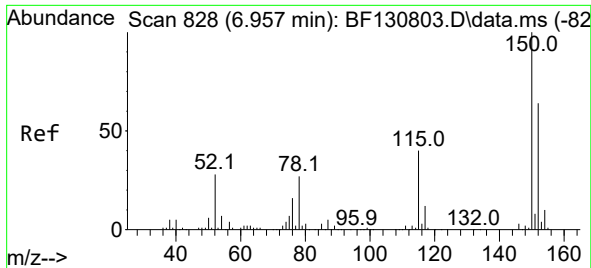
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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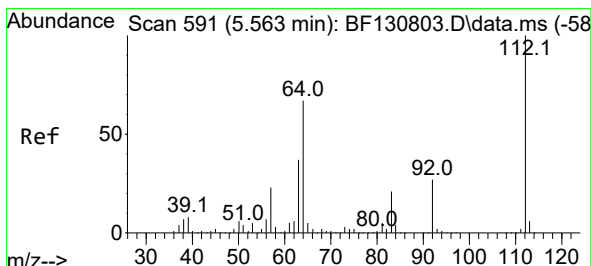
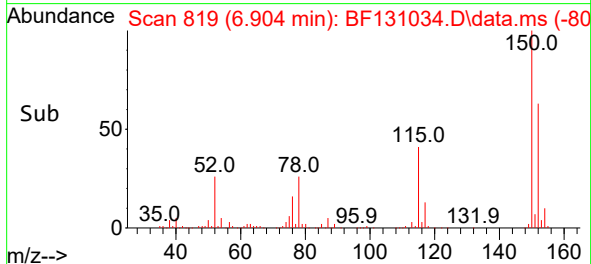
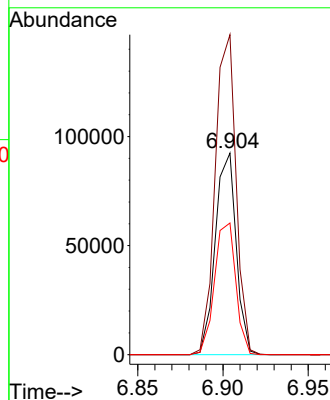
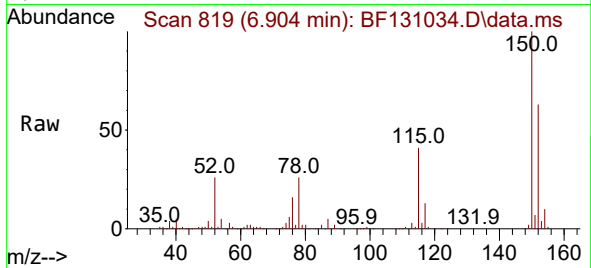




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

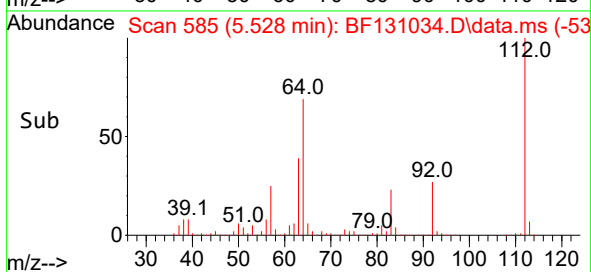
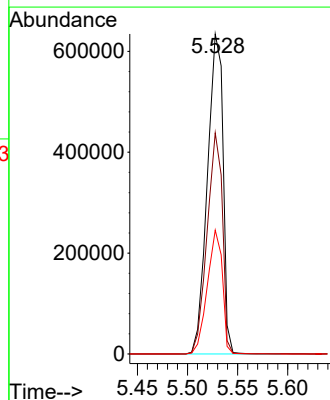
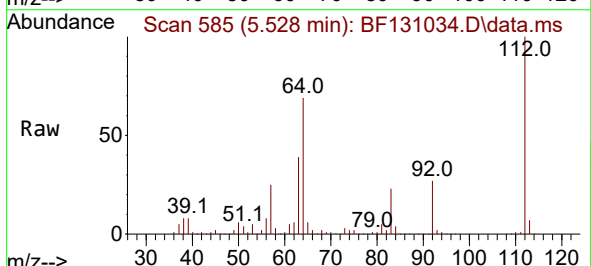
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

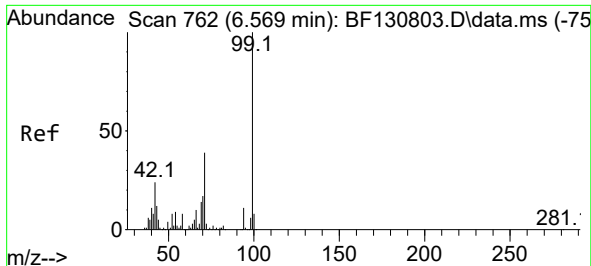
Tgt Ion:152 Resp: 78891
Ion Ratio Lower Upper
152 100
150 158.8 124.1 186.1
115 65.4 50.1 75.1



#5
2-Fluorophenol
Concen: 151.745 ng
RT: 5.528 min Scan# 585
Delta R.T. 0.012 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion:112 Resp: 690540
Ion Ratio Lower Upper
112 100
64 69.1 53.9 80.9
63 38.7 29.4 44.2

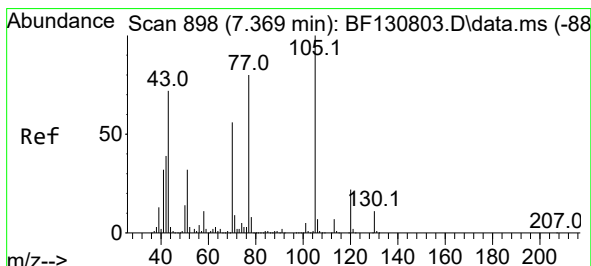
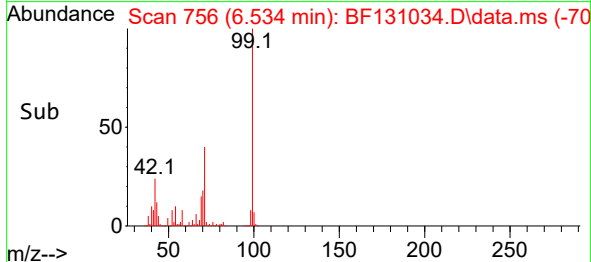
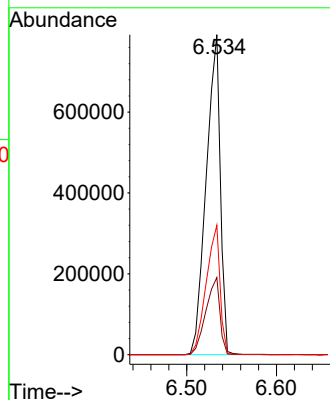
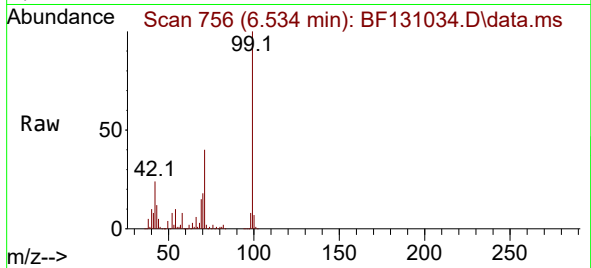




#7
Phenol-d6
Concen: 145.912 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

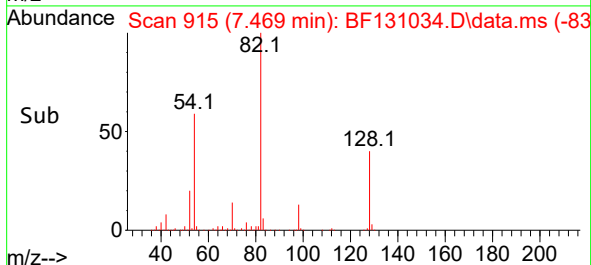
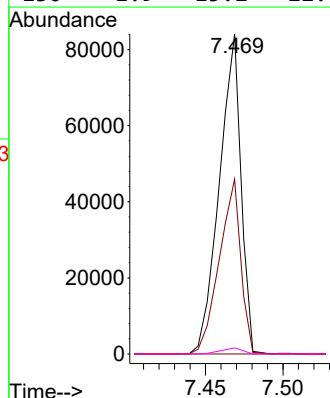
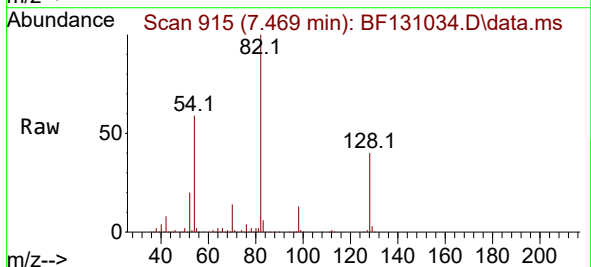
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

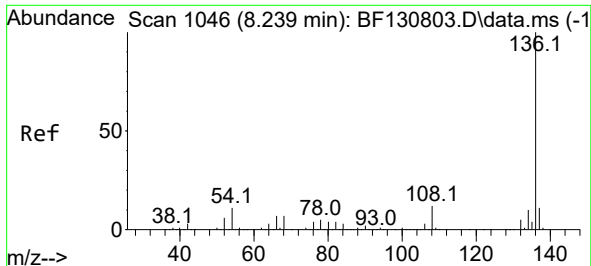
Tgt Ion: 99 Resp: 862862
Ion Ratio Lower Upper
99 100
42 24.1 18.8 28.2
71 40.4 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 20.273 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.147 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion: 70 Resp: 81567
Ion Ratio Lower Upper
70 100
42 54.6 56.1 84.1#
101 0.0 7.3 10.9#
130 1.9 15.2 22.8#

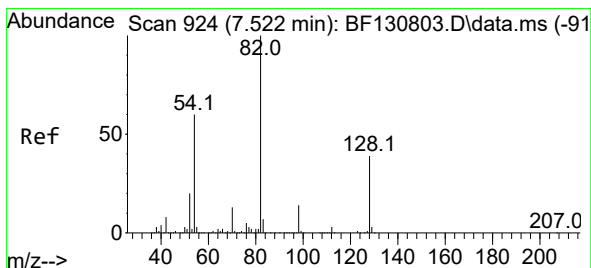
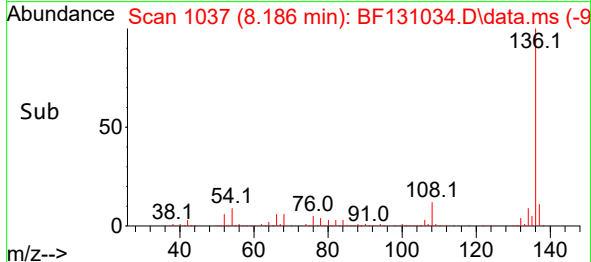
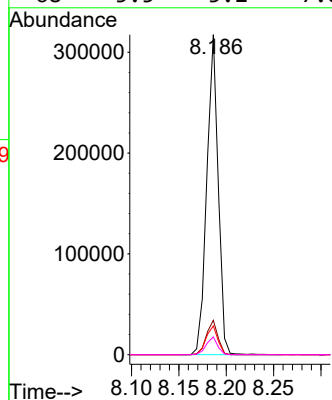
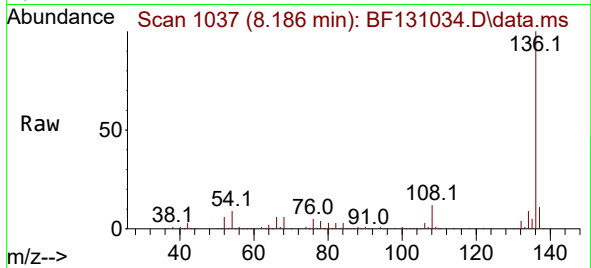




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

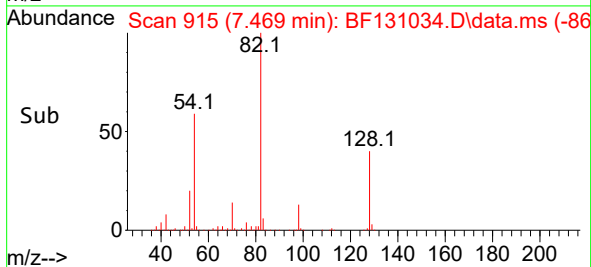
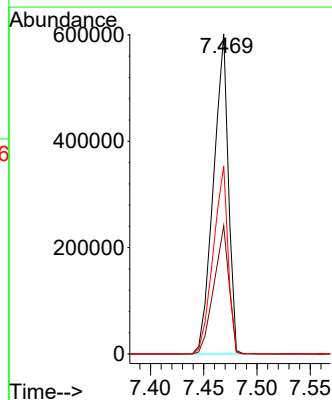
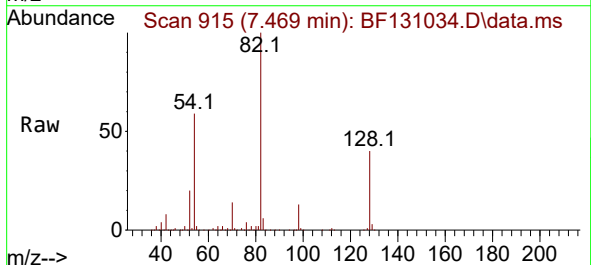
Instrument :
BNA_F
ClientSampleId :
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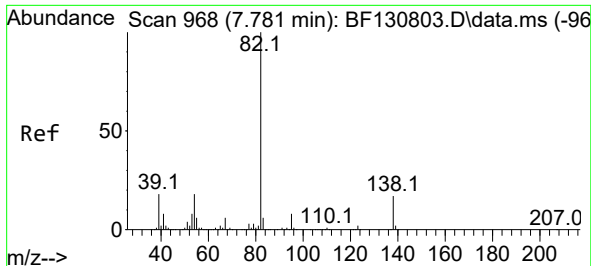
Tgt	Ion:136	Resp:	264977
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	9.0	8.8	13.2
68	5.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 133.470 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion: 82	Resp: 586518
Ion Ratio	Lower Upper
82 100	
128 40.0	31.2 46.8
54 58.7	48.0 72.0

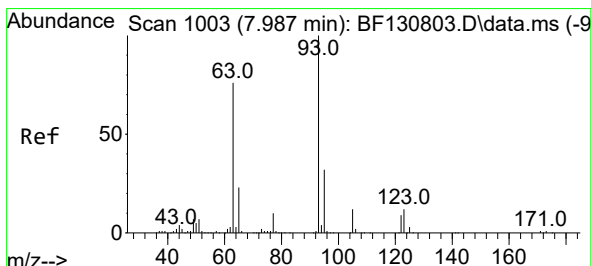
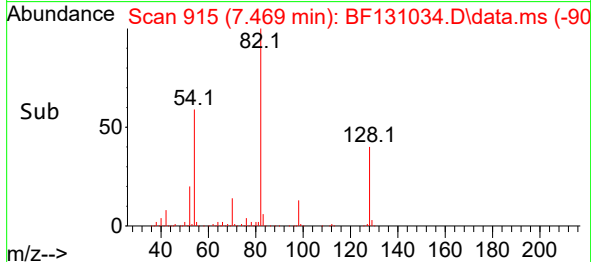
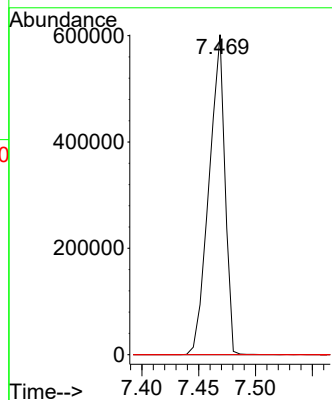
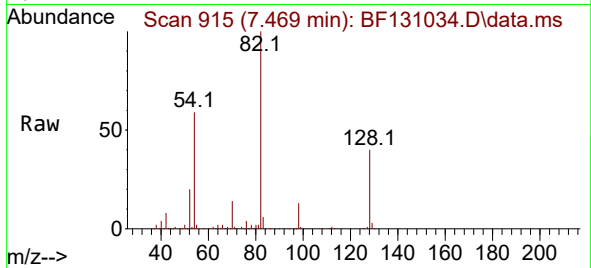




#25
Isophorone
Concen: 64.723 ng
RT: 7.469 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

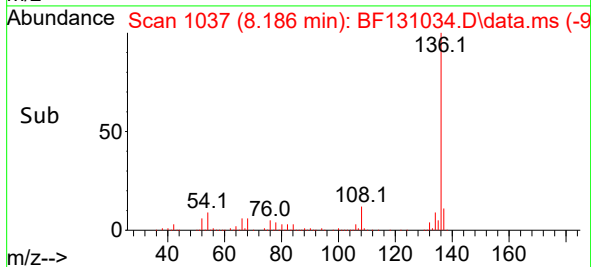
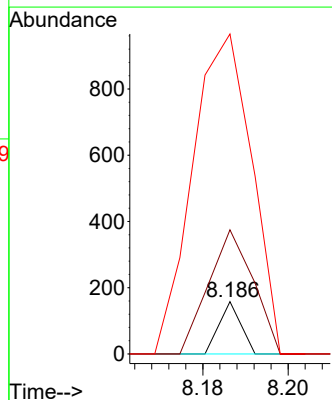
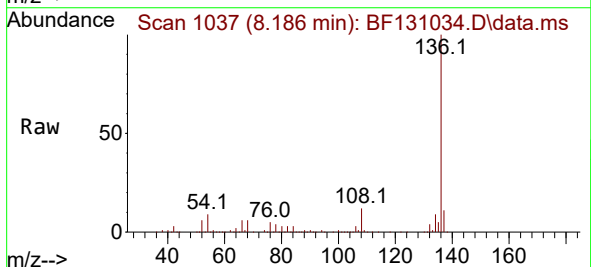
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

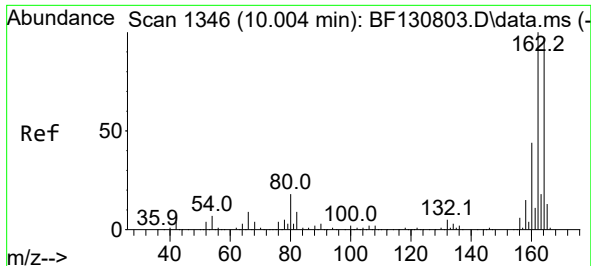
Tgt Ion: 82 Resp: 586511
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.697 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.229 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 237.3 114.5 154.5#
77 611.4 89.8 129.8#

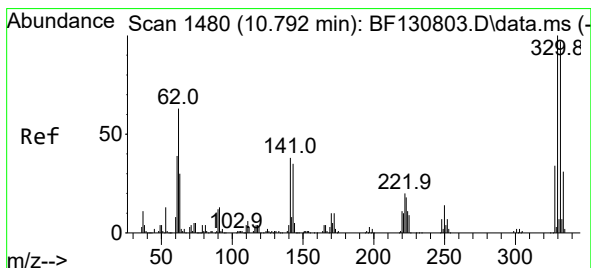
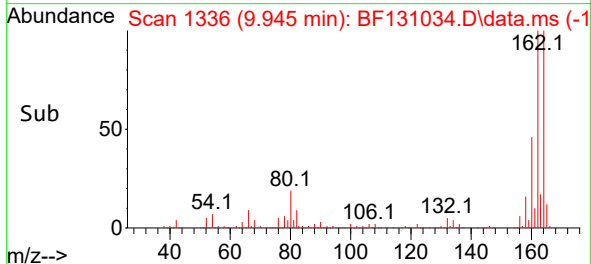
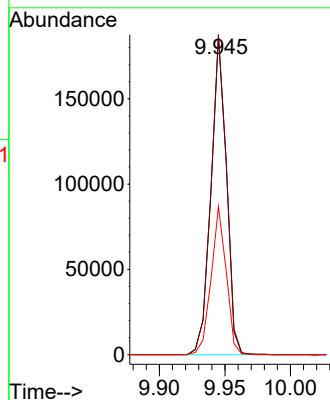
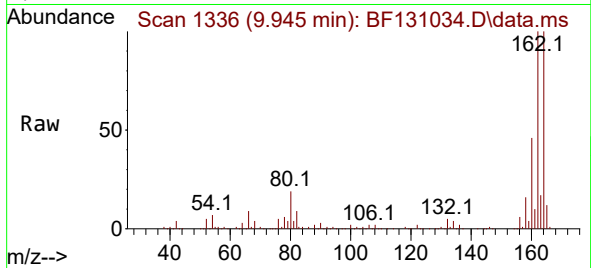




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

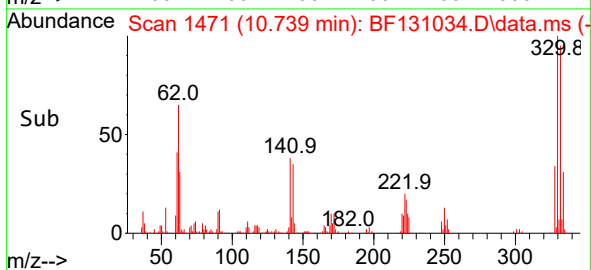
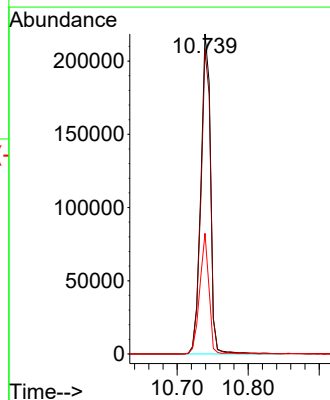
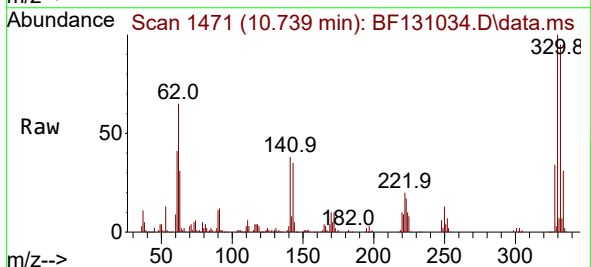
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

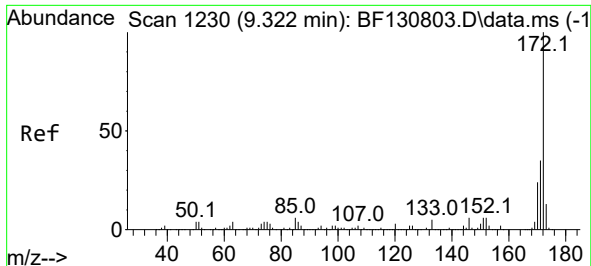
Tgt Ion:164 Resp: 152993
Ion Ratio Lower Upper
164 100
162 99.7 82.2 123.2
160 46.3 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 162.432 ng
RT: 10.739 min Scan# 1471
Delta R.T. -0.006 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion:330 Resp: 209195
Ion Ratio Lower Upper
330 100
332 94.7 76.2 114.4
141 35.7 31.4 47.0





#45

2-Fluorobiphenyl

Concen: 91.410 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF131034.D

Acq: 05 Nov 2022 23:10

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

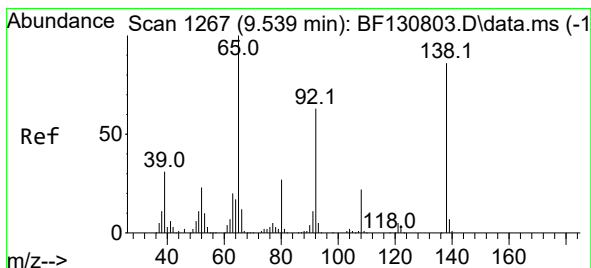
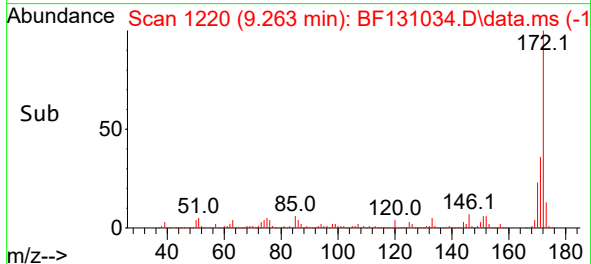
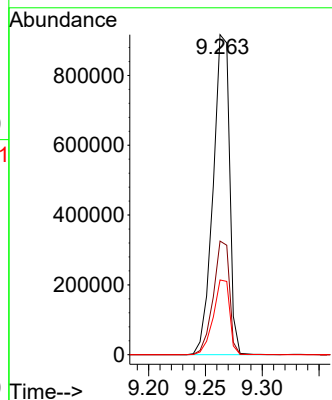
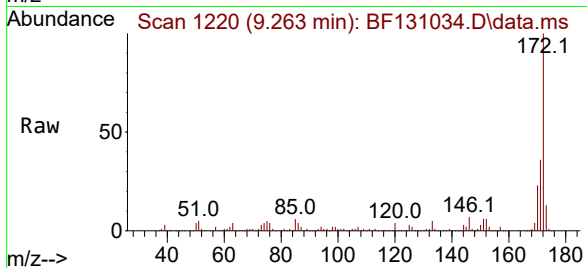
Tgt Ion:172 Resp: 925016

Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.4 19.0 28.4



#48

2-Nitroaniline

Concen: 4.739 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.229 min

Lab File: BF131034.D

Acq: 05 Nov 2022 23:10

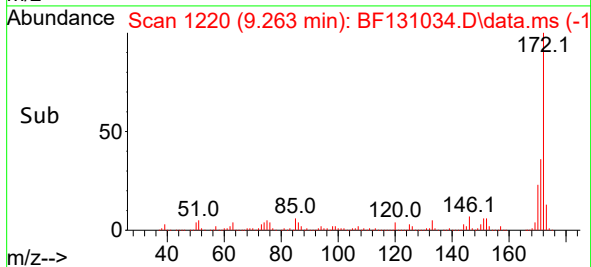
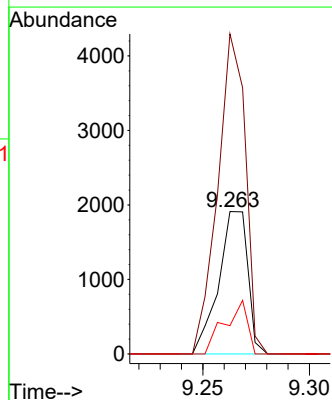
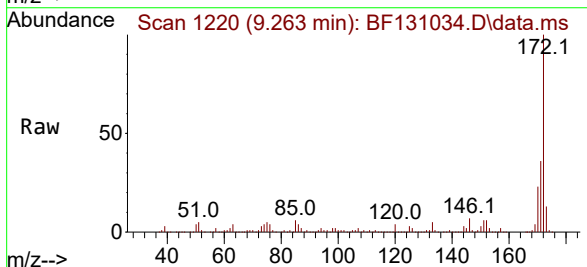
Tgt Ion: 65 Resp: 1820

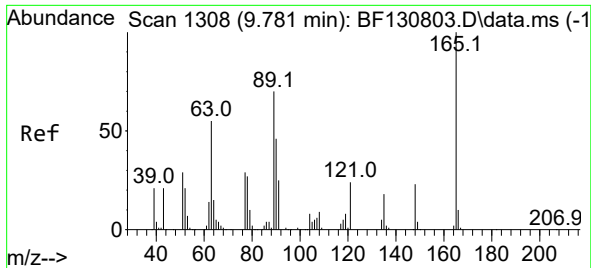
Ion Ratio Lower Upper

65 100

92 224.6 50.1 75.1#

138 19.9 69.2 103.8#

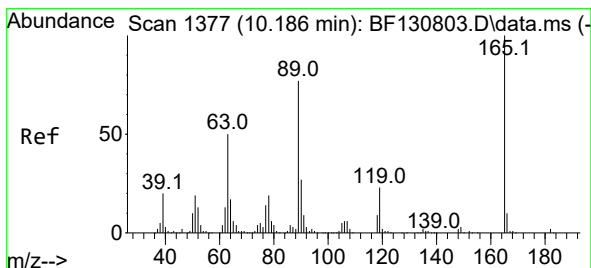
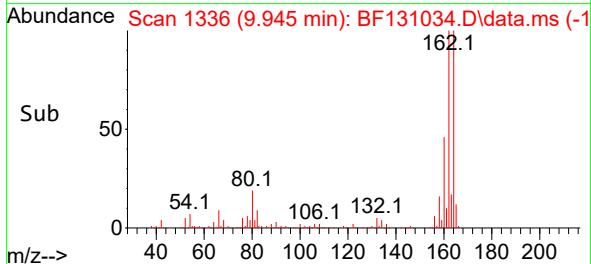
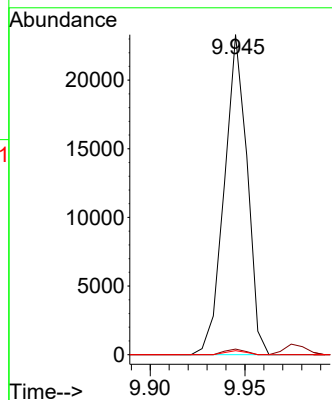
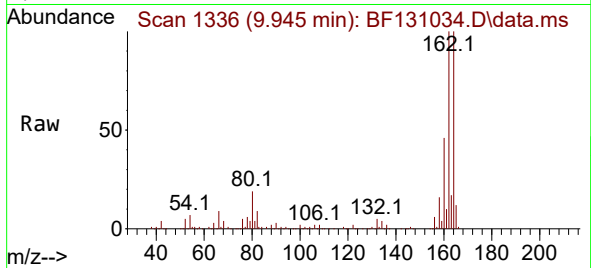




#51
2,6-Dinitrotoluene
Concen: 11.996 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.212 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

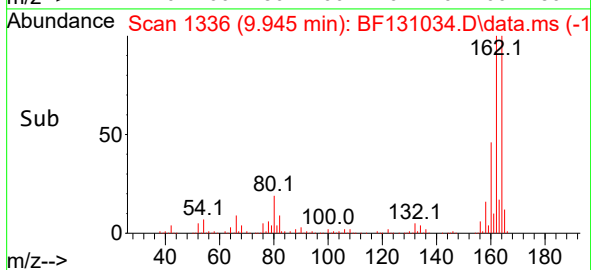
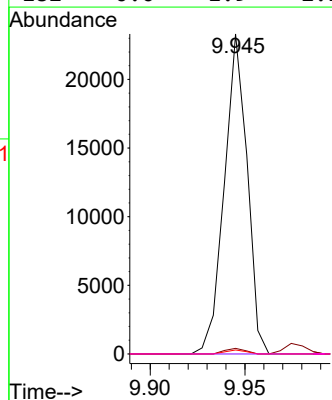
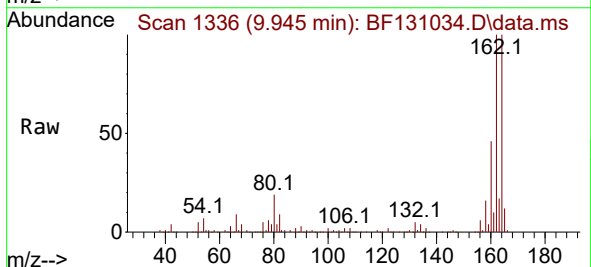
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

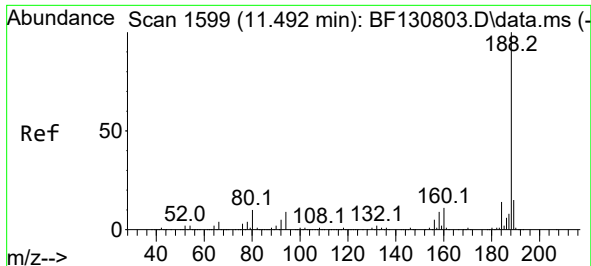
Tgt Ion:165 Resp: 19527
Ion Ratio Lower Upper
165 100
63 1.7 61.8 92.8#
89 1.3 56.2 84.4#



#57
2,4-Dinitrotoluene
Concen: 10.886 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.194 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion:165 Resp: 19527
Ion Ratio Lower Upper
165 100
63 1.7 39.8 59.6#
89 1.3 61.9 92.9#
182 0.0 1.9 2.9#

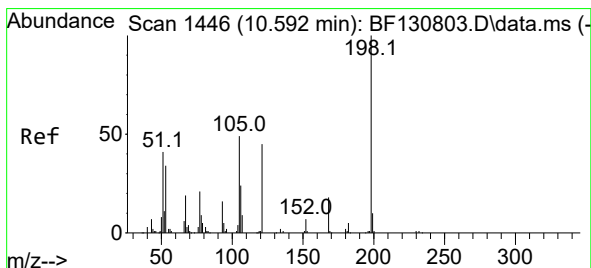
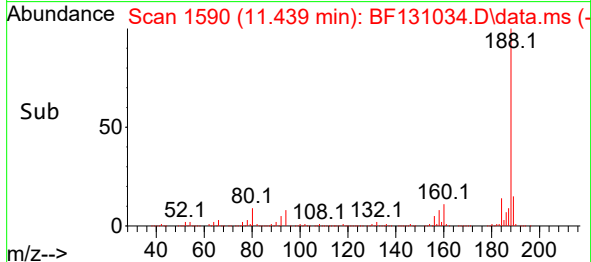
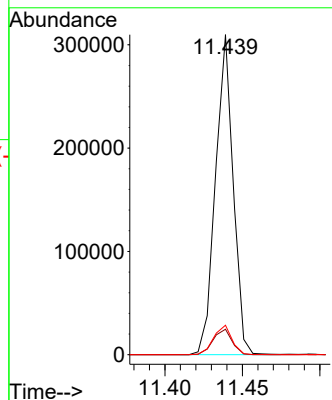
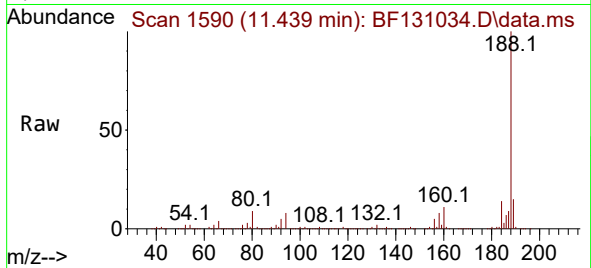




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

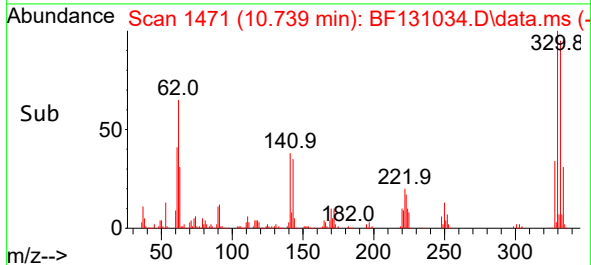
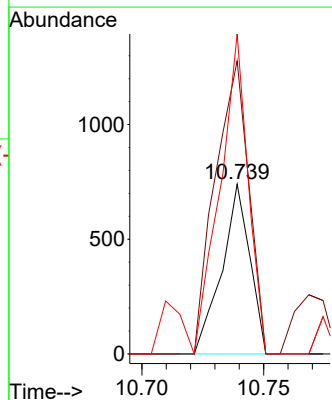
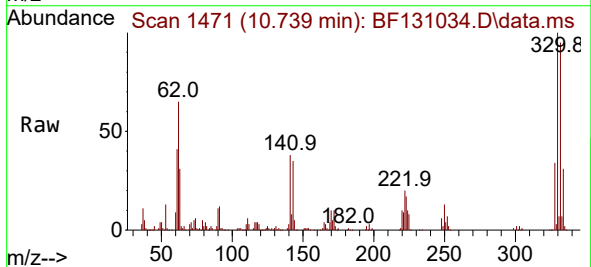
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

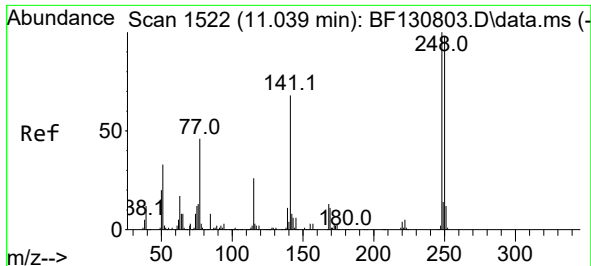
Tgt Ion:188 Resp: 245907
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 9.2 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 8.408 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.188 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion:198 Resp: 591
Ion Ratio Lower Upper
198 100
51 172.7 39.0 79.0#
105 188.5 30.6 70.6#

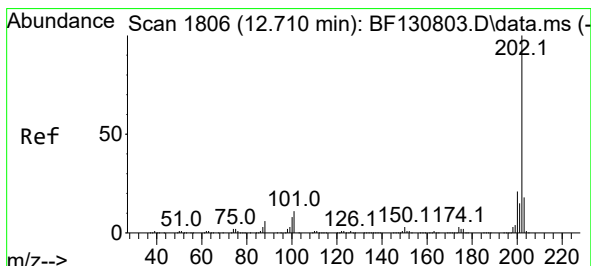
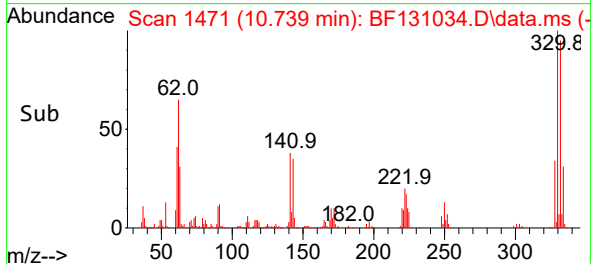
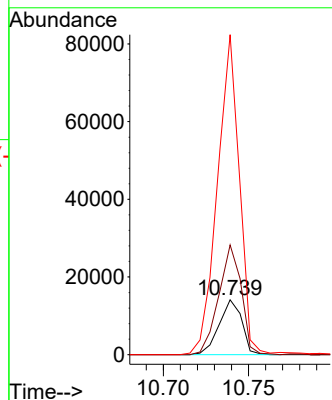
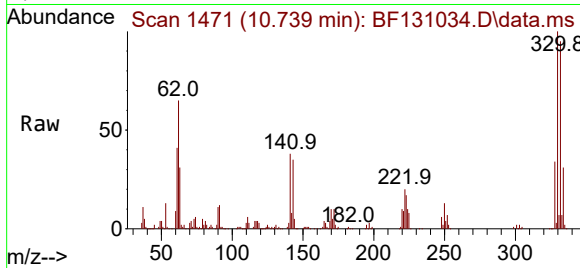




#67
4-Bromophenyl-phenylether
Concen: 5.300 ng
RT: 10.739 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

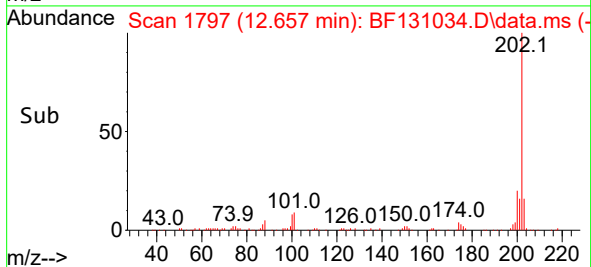
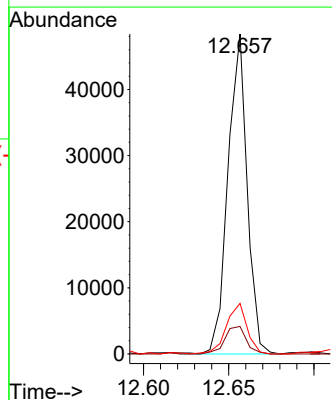
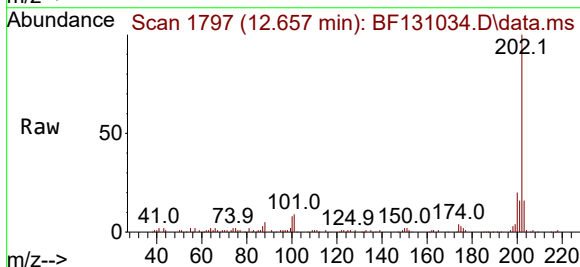
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

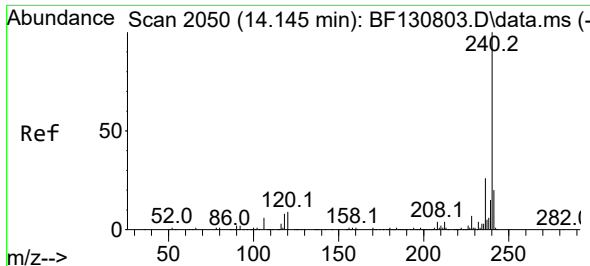
Tgt Ion:248 Resp: 13106
Ion Ratio Lower Upper
248 100
250 199.9 78.6 117.8#
141 583.1 54.2 81.4#



#75
Fluoranthene
Concen: 2.807 ng
RT: 12.657 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion:202 Resp: 37851
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.9
203 15.8 0.0 37.7

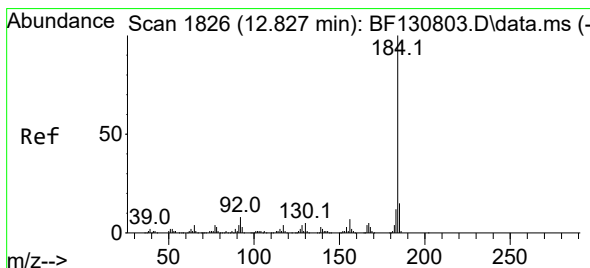
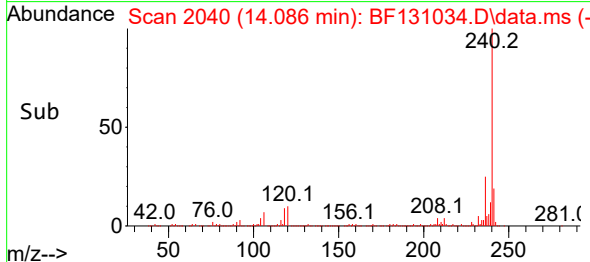
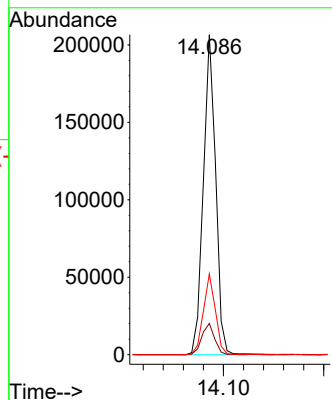
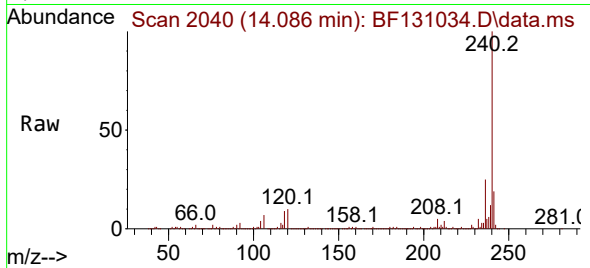




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

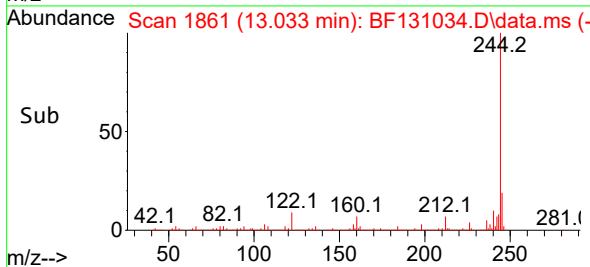
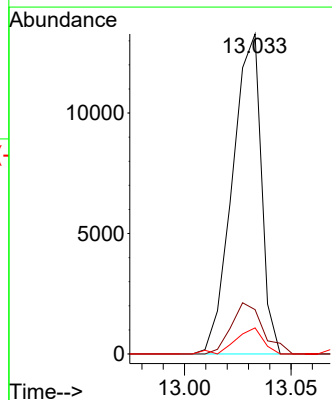
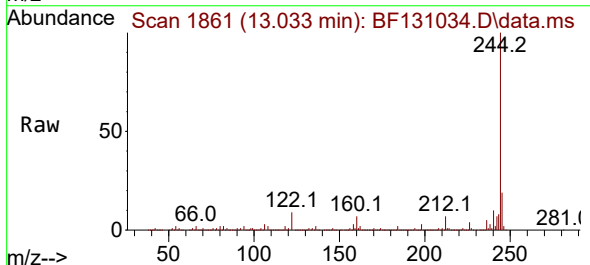
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

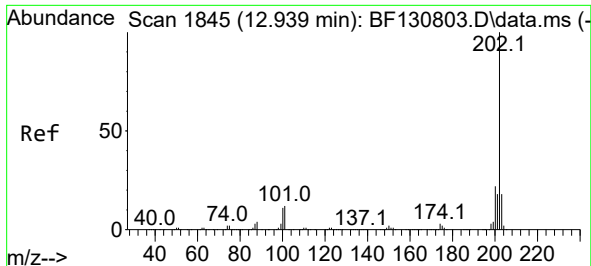
Tgt Ion:240 Resp: 176526
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.4
236 25.2 20.5 30.7



#77
Benidine
Concen: 2.918 ng
RT: 13.033 min Scan# 1861
Delta R.T. 0.253 min
Lab File: BF131034.D
Acq: 05 Nov 2022 23:10

Tgt Ion:184 Resp: 12506
Ion Ratio Lower Upper
184 100
185 13.8 11.8 17.8
183 8.2 9.7 14.5#

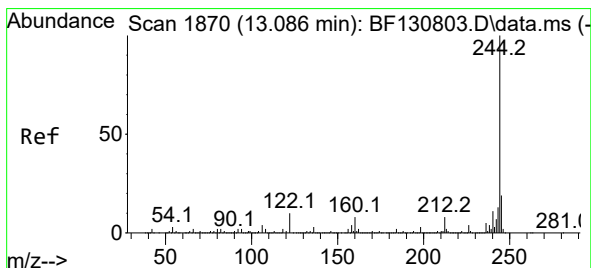
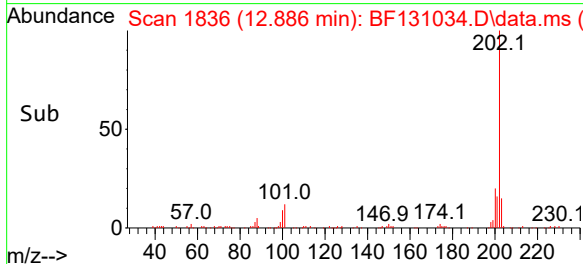
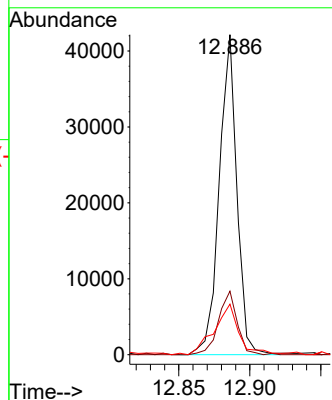
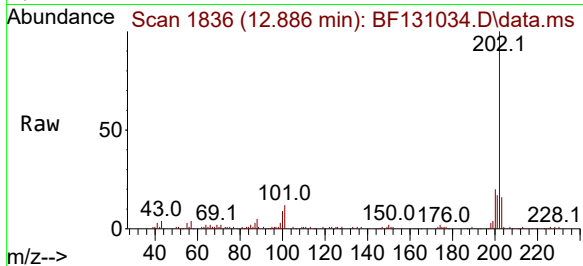




#78
 Pyrene
 Concen: 2.442 ng
 RT: 12.886 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF131034.D
 Acq: 05 Nov 2022 23:10

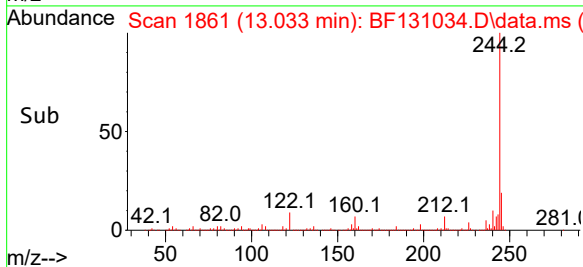
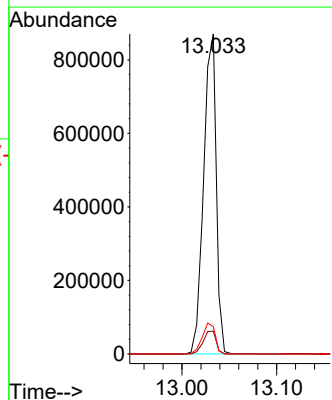
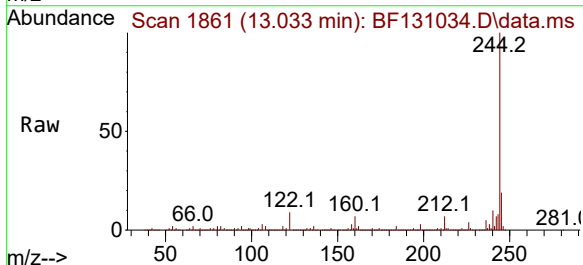
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

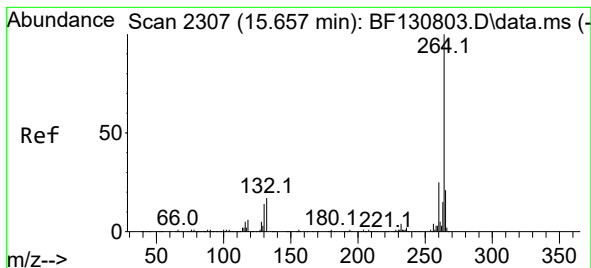
Tgt Ion:202 Resp: 36376
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.2 25.8
 203 15.8 14.5 21.7



#79
 Terphenyl-d14
 Concen: 83.376 ng
 RT: 13.033 min Scan# 1861
 Delta R.T. -0.000 min
 Lab File: BF131034.D
 Acq: 05 Nov 2022 23:10

Tgt Ion:244 Resp: 803187
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 8.6 7.9 11.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131034.D

Acq: 05 Nov 2022 23:10

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

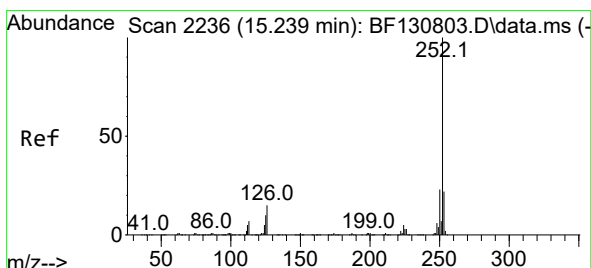
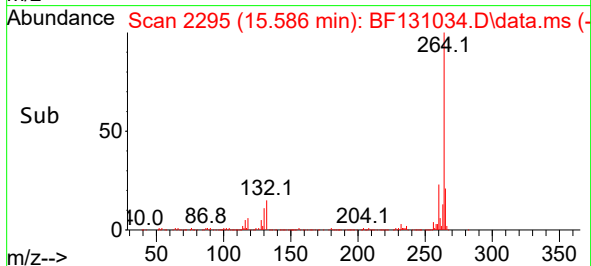
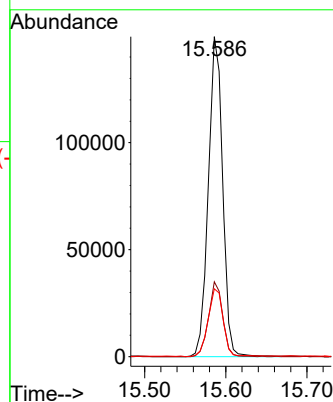
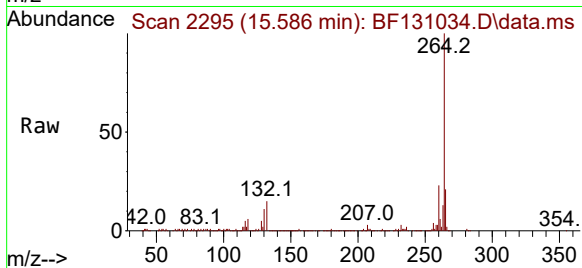
Tgt Ion:264 Resp: 182565

Ion Ratio Lower Upper

264 100

260 23.4 19.9 29.9

265 21.2 17.0 25.6



#89

Benzo(k)fluoranthene

Concen: 2.000 ng

RT: 15.139 min Scan# 2219

Delta R.T. -0.041 min

Lab File: BF131034.D

Acq: 05 Nov 2022 23:10

Tgt Ion:252 Resp: 23002

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

125 10.8 8.0 12.0

