

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135182.D
 Acq On : 12 Sep 2023 15:23
 Operator : CG\JU
 Sample : 04212-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-OU3-DENALI-3

Quant Time: Sep 13 02:04:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

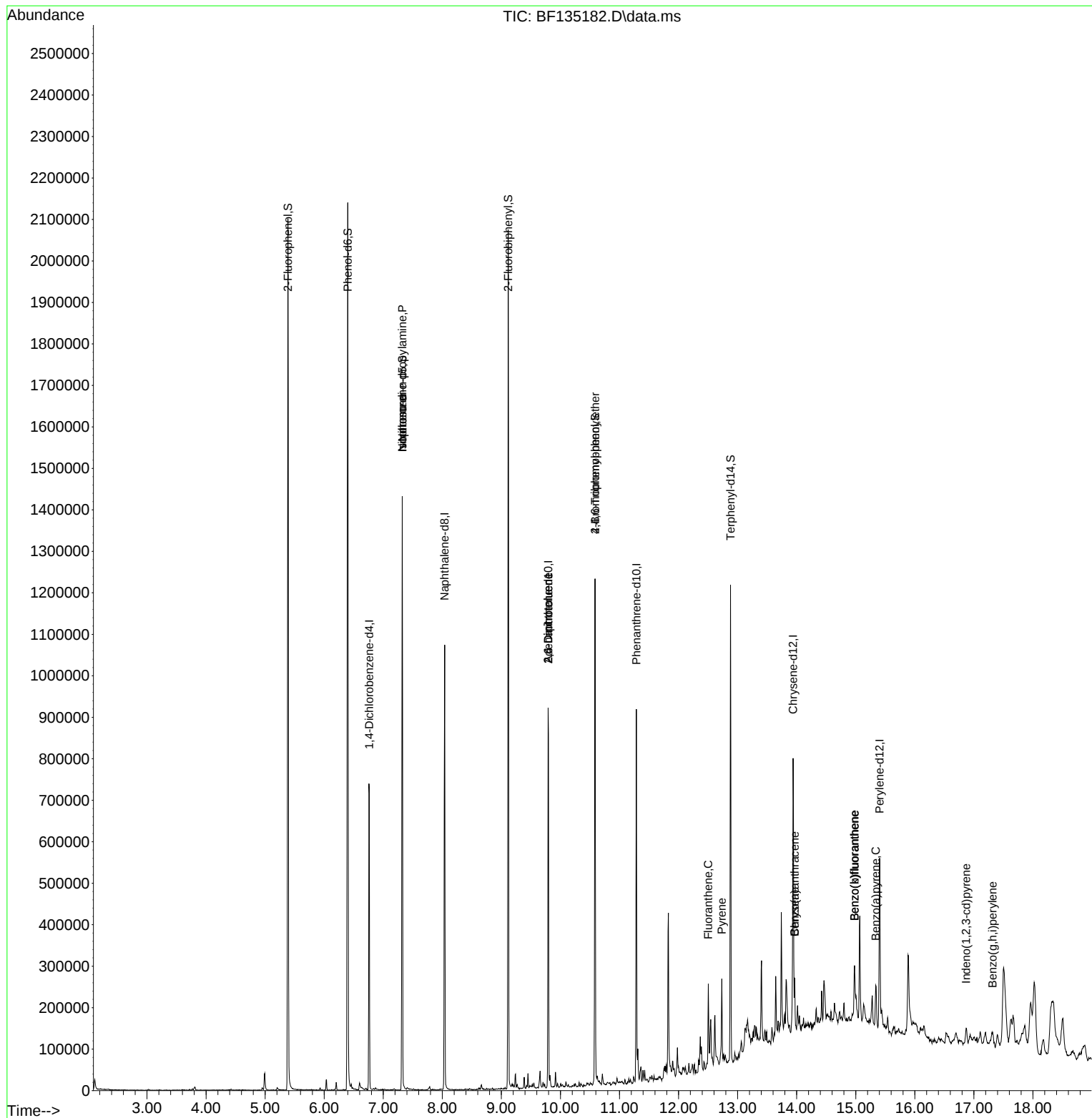
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	109390	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	417018	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	187582	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	289761	20.000	ng	0.00
76) Chrysene-d12	13.939	240	197633	20.000	ng	0.00
86) Perylene-d12	15.404	264	188936	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	558161	82.989	ng	0.00
7) Phenol-d6	6.398	99	681486	79.686	ng	0.00
23) Nitrobenzene-d5	7.322	82	412554	53.748	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	134155	71.967	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	609940	49.057	ng	-0.01
79) Terphenyl-d14	12.880	244	368670	28.918	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.322	70	55196	10.420	ng	# 80
25) Isophorone	7.322	82	410348	29.114	ng	# 65
51) 2,6-Dinitrotoluene	9.792	165	23753	8.549	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	23753	6.829	ng	# 19
67) 4-Bromophenyl-phenylether	10.586	248	8408	2.918	ng	# 1
75) Fluoranthene	12.504	202	78134	5.472	ng	100
78) Pyrene	12.733	202	80002	4.252	ng	99
81) Benzo(a)anthracene	13.968	228	51961	4.072	ng	92
83) Chrysene	13.968	228	51961	4.095	ng	96
87) Indeno(1,2,3-cd)pyrene	16.868	276	26701	2.155	ng	97
88) Benzo(b)fluoranthene	14.980	252	89585	8.759	ng	# 94
89) Benzo(k)fluoranthene	14.980	252	89585	8.867	ng	# 94
90) Benzo(a)pyrene	15.339	252	43816	4.492	ng	96
92) Benzo(g,h,i)perylene	17.315	276	25505	2.409	ng	92

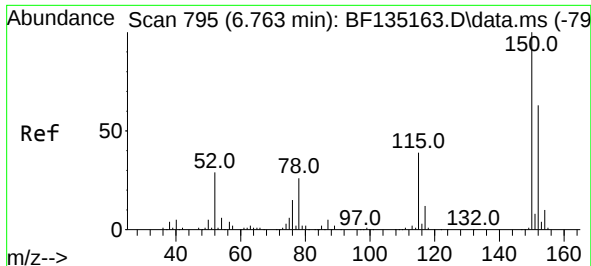
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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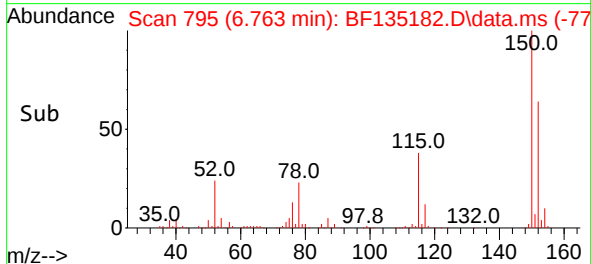
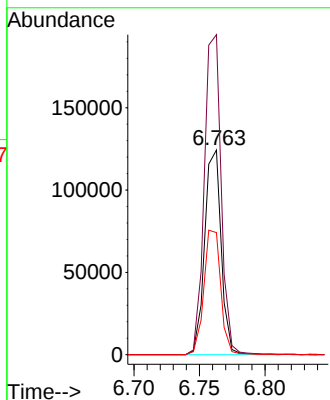
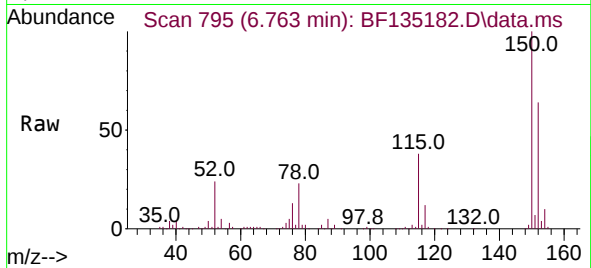




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

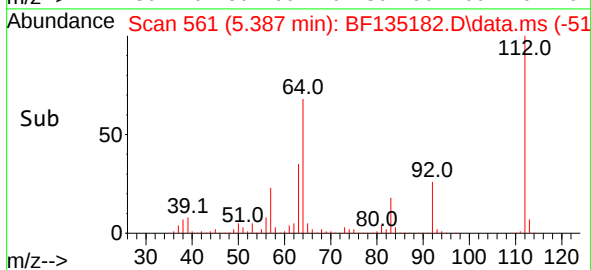
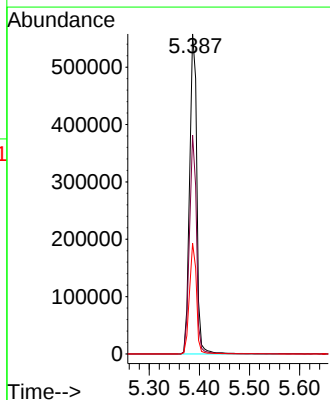
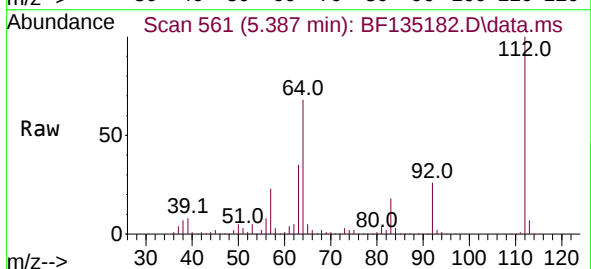
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Tgt Ion:152 Resp: 109390
Ion Ratio Lower Upper
152 100
150 156.4 127.8 191.6
115 59.6 49.8 74.8



#5
2-Fluorophenol
Concen: 82.989 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Tgt Ion:112 Resp: 558161
Ion Ratio Lower Upper
112 100
64 68.4 55.9 83.9
63 34.6 29.0 43.6

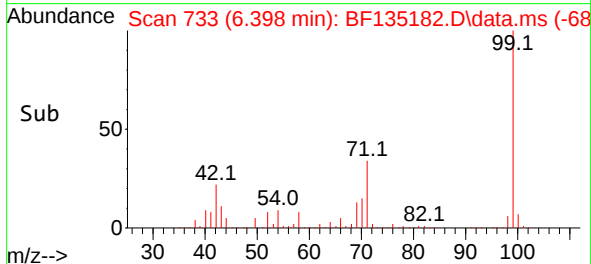
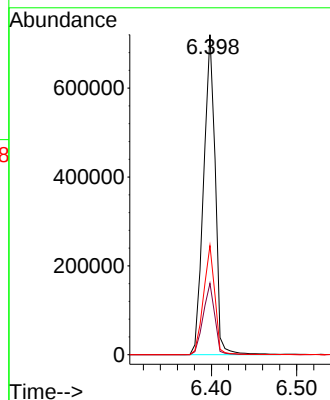
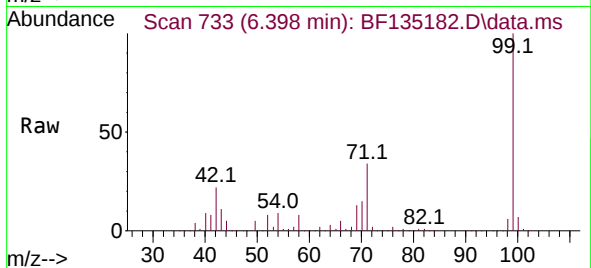




#7
Phenol-d6
Concen: 79.686 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

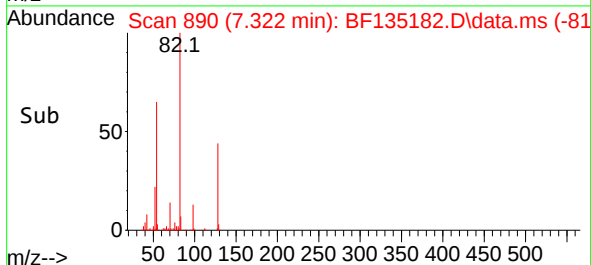
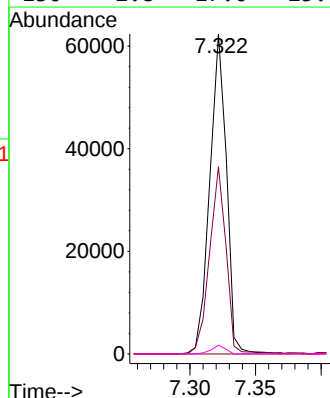
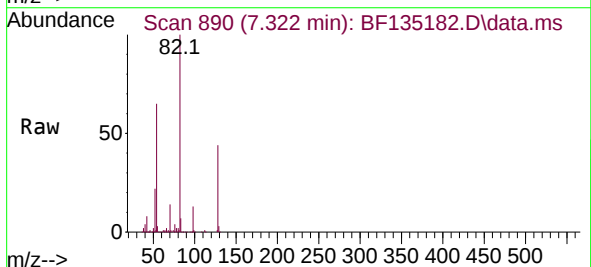
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Tgt Ion: 99 Resp: 681486
Ion Ratio Lower Upper
99 100
42 22.3 17.9 26.9
71 34.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.420 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.135 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Tgt Ion: 70 Resp: 55196
Ion Ratio Lower Upper
70 100
42 58.5 55.4 83.0
101 0.0 7.7 11.5#
130 2.8 17.0 25.6#

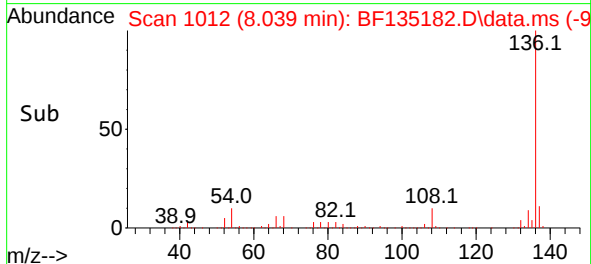
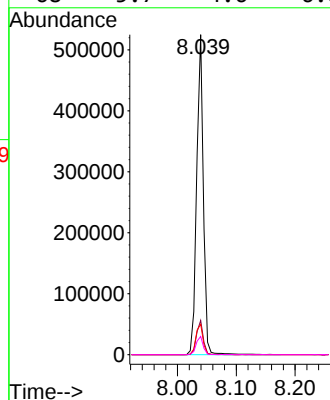
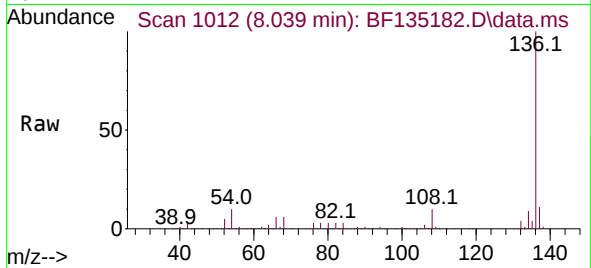




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

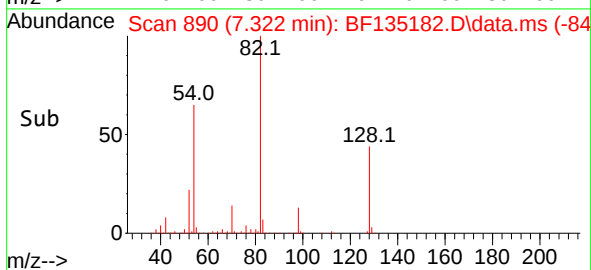
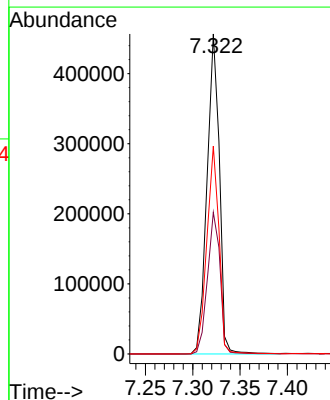
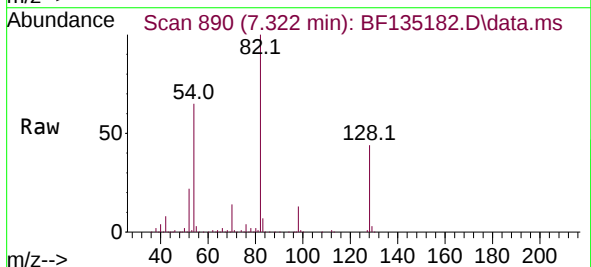
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Tgt Ion:136 Resp: 417018
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 9.5 7.7 11.5
68 5.7 4.6 6.8



#23
Nitrobenzene-d5
Concen: 53.748 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Tgt Ion: 82 Resp: 412554
Ion Ratio Lower Upper
82 100
128 44.3 35.8 53.6
54 65.0 50.6 76.0

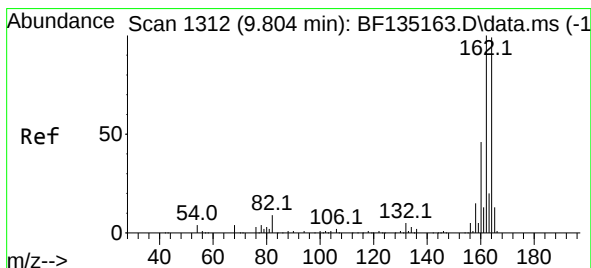
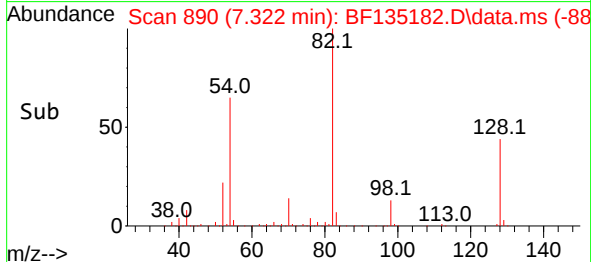
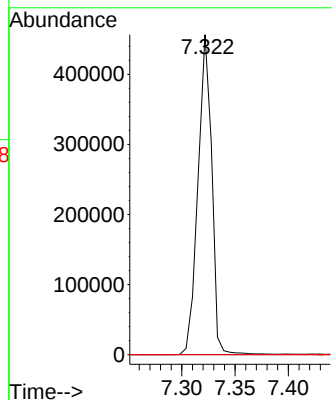
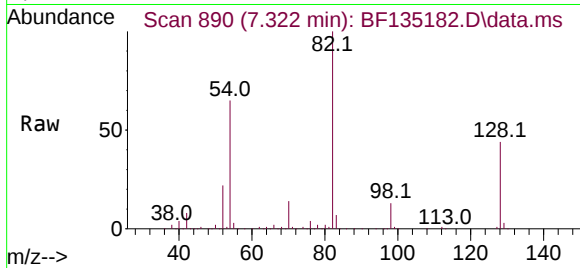




#25
Isophorone
Concen: 29.114 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

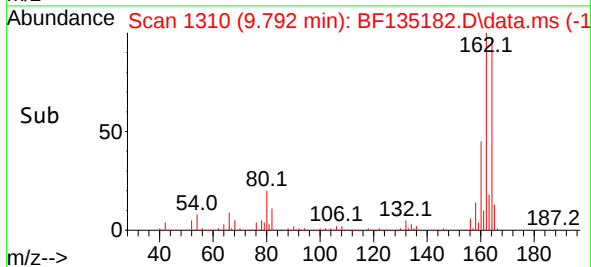
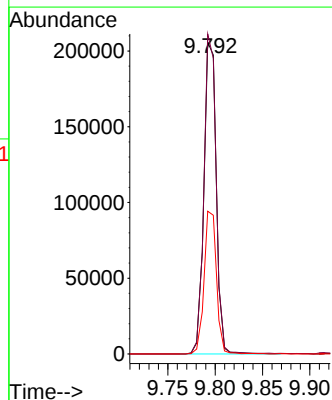
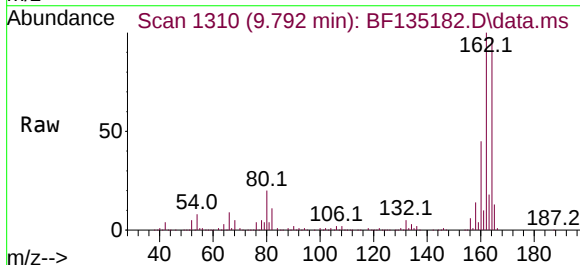
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Tgt Ion: 82 Resp: 410348
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

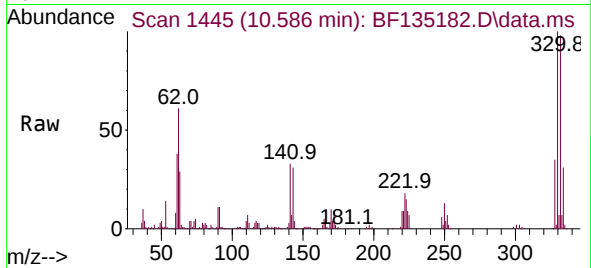
Tgt Ion:164 Resp: 187582
Ion Ratio Lower Upper
164 100
162 102.6 81.0 121.4
160 45.8 37.0 55.4



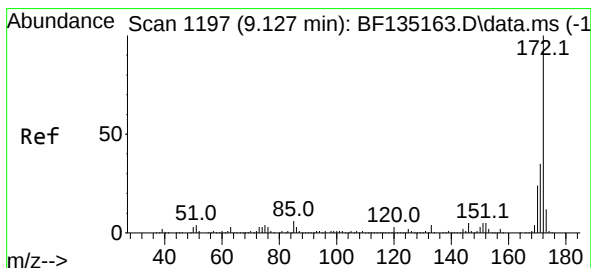
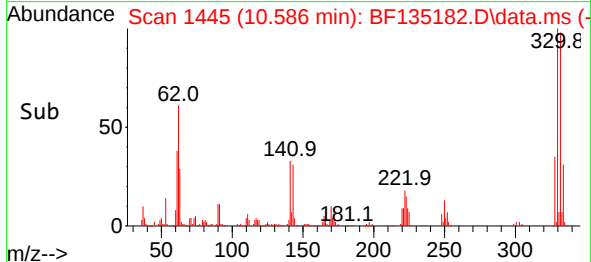
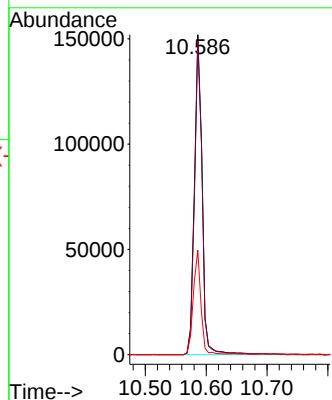


#42
2,4,6-Tribromophenol
Concen: 71.967 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

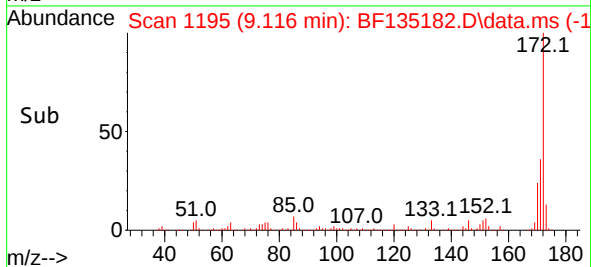
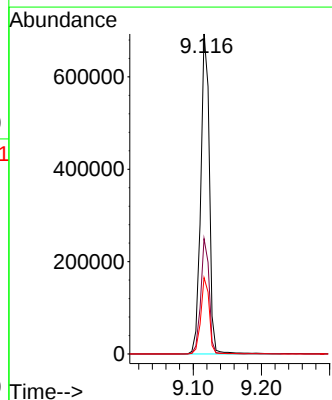
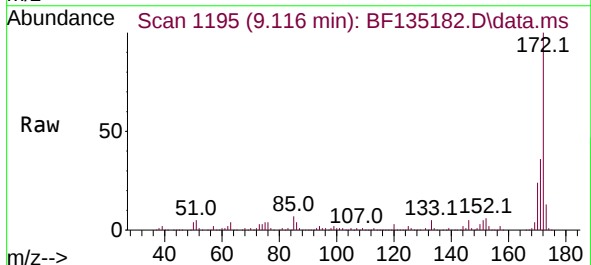


Tgt Ion:330 Resp: 134155
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 32.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 49.057 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Tgt Ion:172 Resp: 609940
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 23.8 19.0 28.4

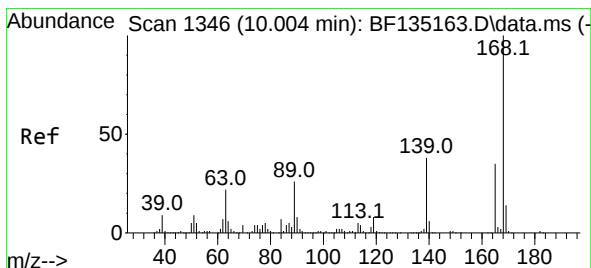
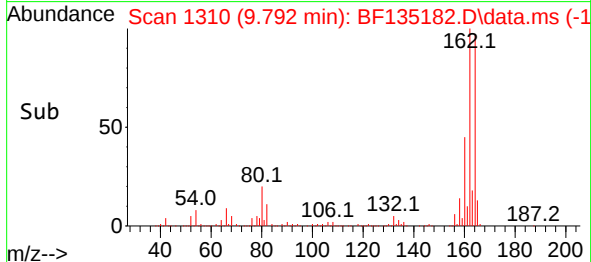
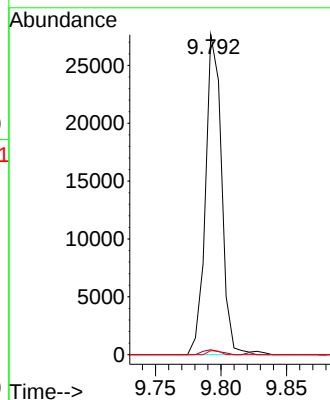
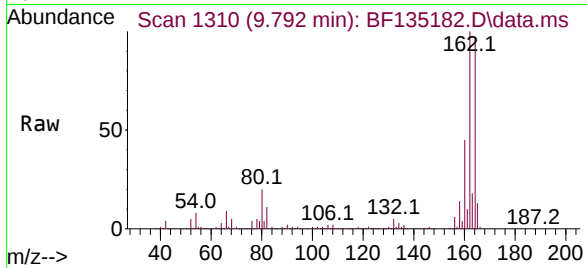




#51
2,6-Dinitrotoluene
Concen: 8.549 ng
RT: 9.792 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

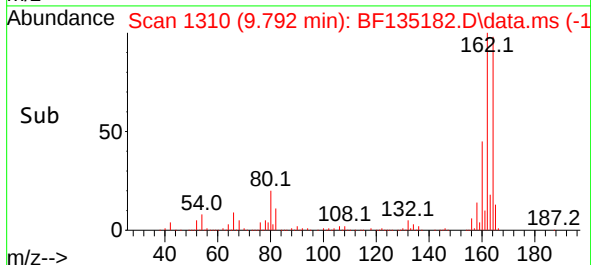
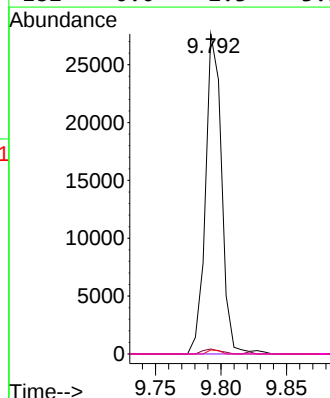
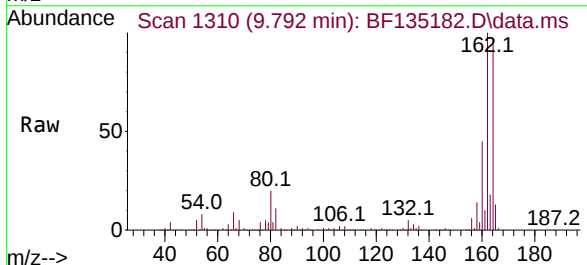
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

Tgt Ion:165 Resp: 23753
Ion Ratio Lower Upper
165 100
63 1.6 59.4 89.2#
89 1.3 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 6.829 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.212 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Tgt Ion:165 Resp: 23753
Ion Ratio Lower Upper
165 100
63 1.6 50.1 75.1#
89 1.3 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

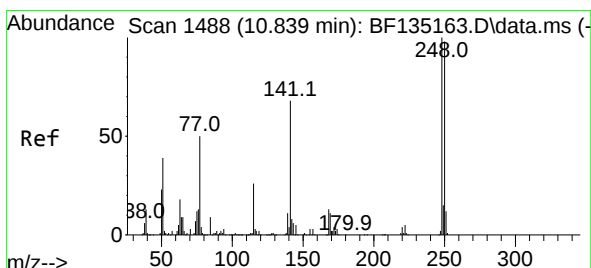
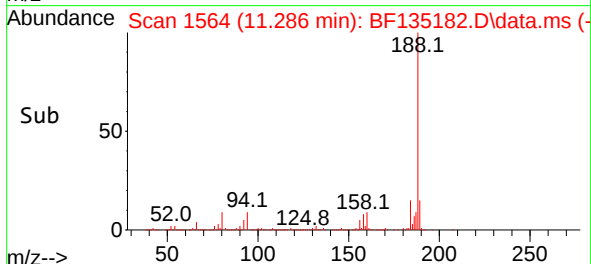
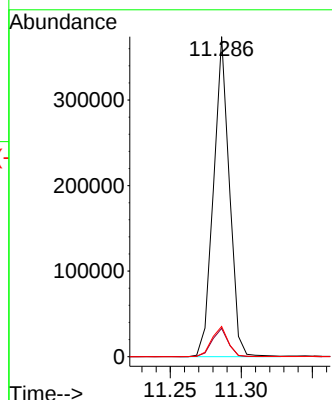
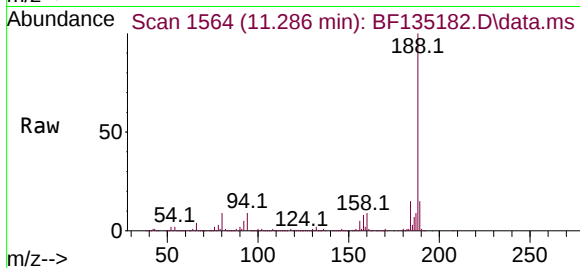
Tgt Ion:188 Resp: 289761

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

80 9.5 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.918 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

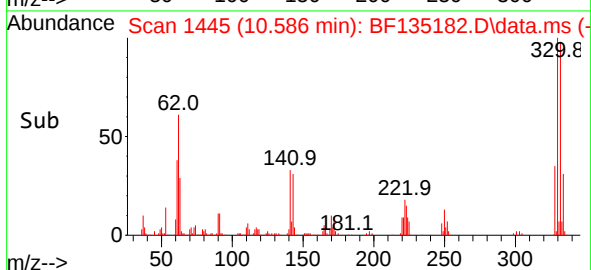
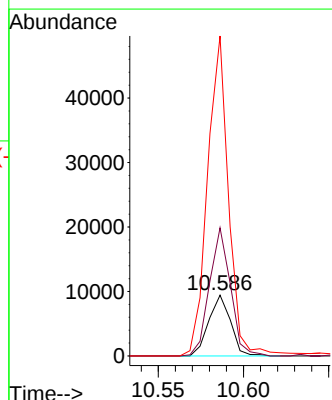
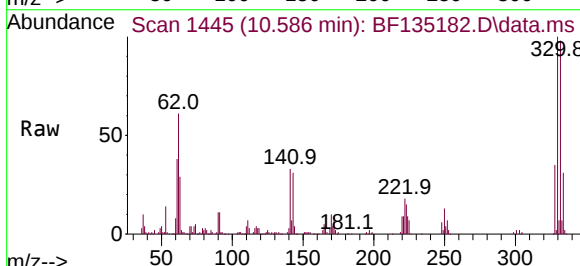
Tgt Ion:248 Resp: 8408

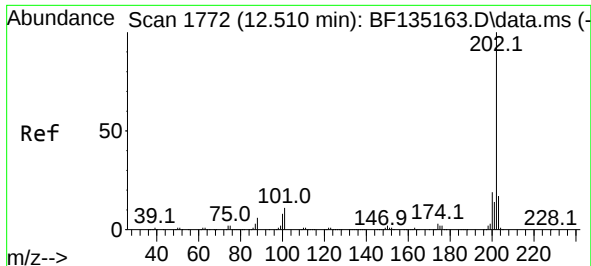
Ion Ratio Lower Upper

248 100

250 210.6 78.6 117.8#

141 525.9 54.2 81.2#

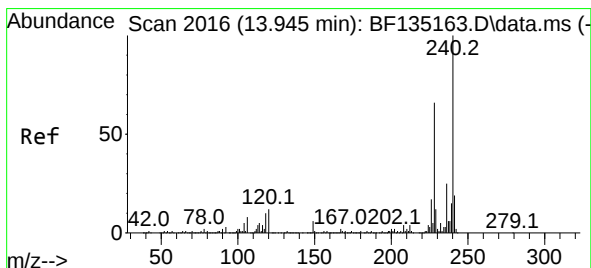
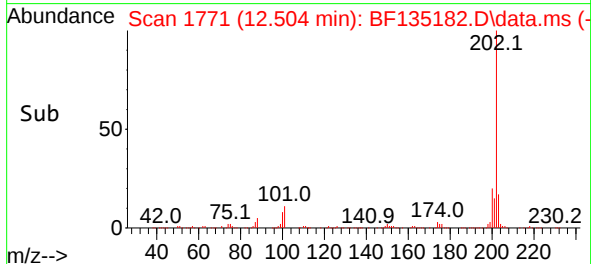
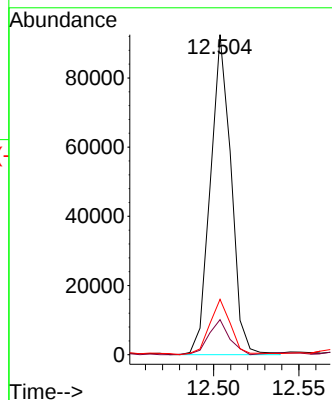
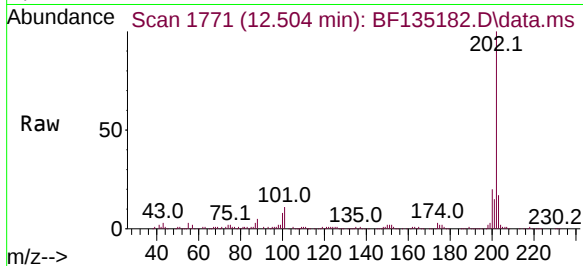




#75
Fluoranthene
Concen: 5.472 ng
RT: 12.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

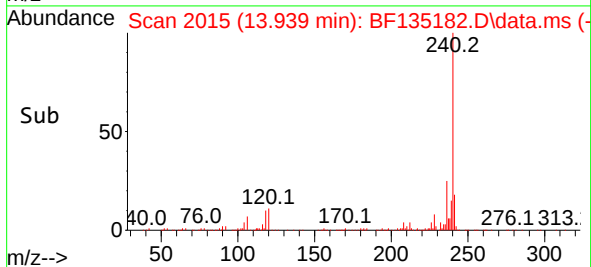
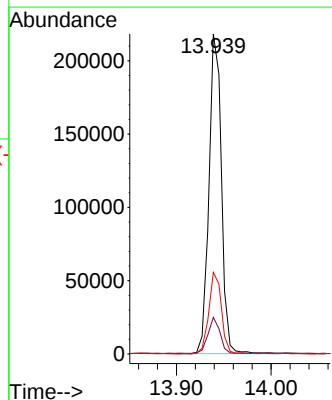
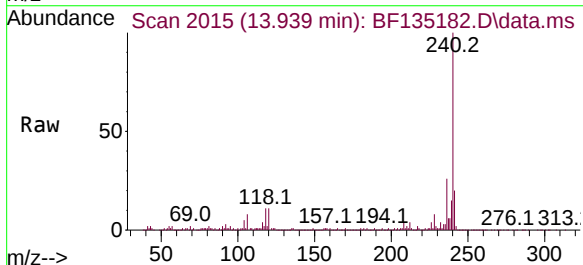
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

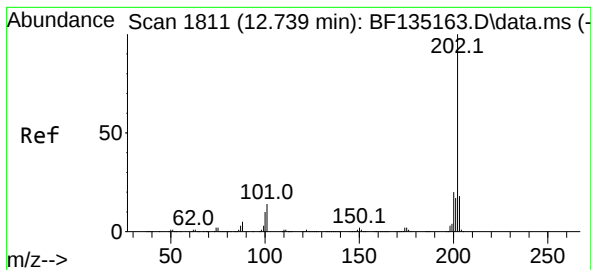
Tgt Ion:202 Resp: 78134
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 17.3 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Tgt Ion:240 Resp: 197633
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.5 19.8 29.8





#78

Pyrene

Concen: 4.252 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

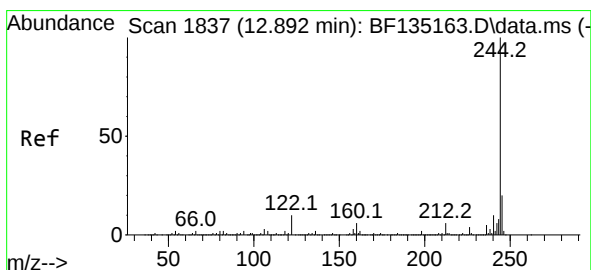
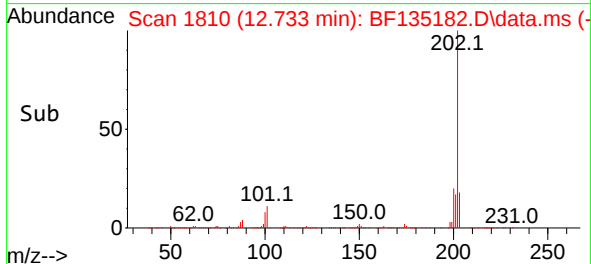
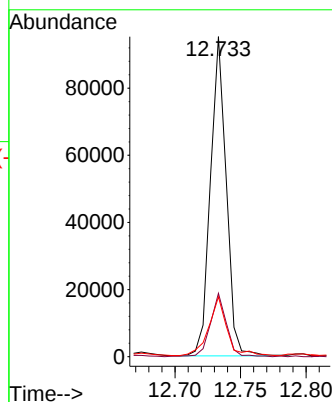
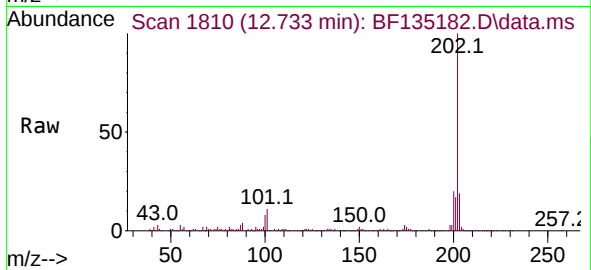
Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

Tgt Ion:	202	Resp:	80002
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.2	24.2
203	18.7	14.2	21.4



#79

Terphenyl-d14

Concen: 28.918 ng

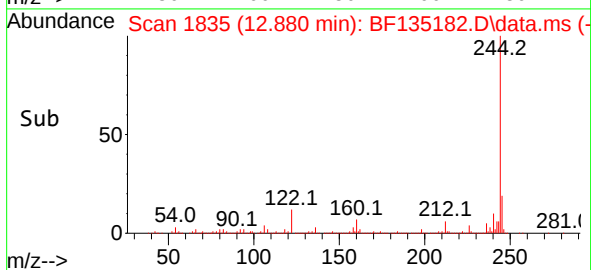
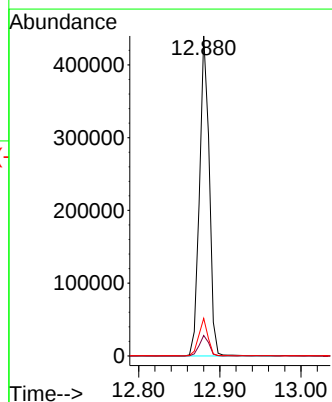
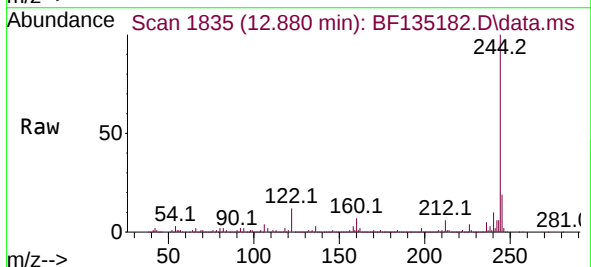
RT: 12.880 min Scan# 1835

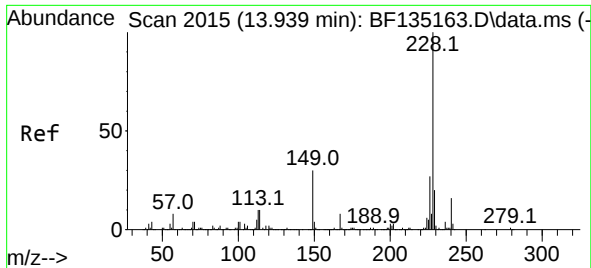
Delta R.T. -0.012 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

Tgt Ion:	244	Resp:	368670
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.1	7.7
122	11.8	7.9	11.9

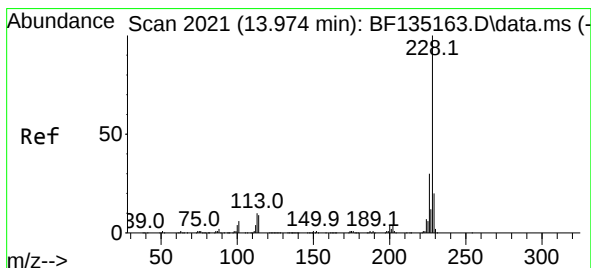
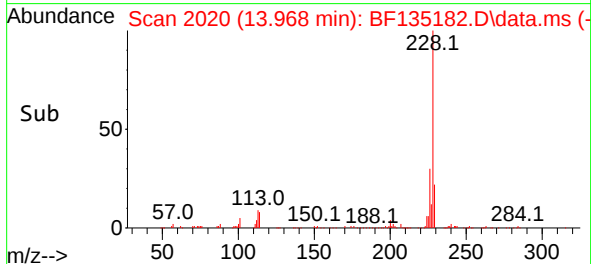
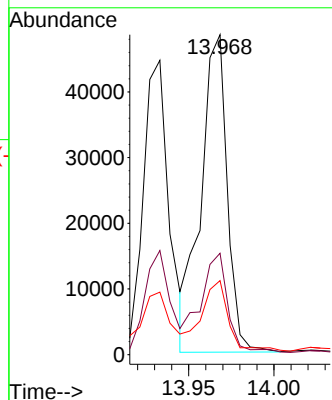
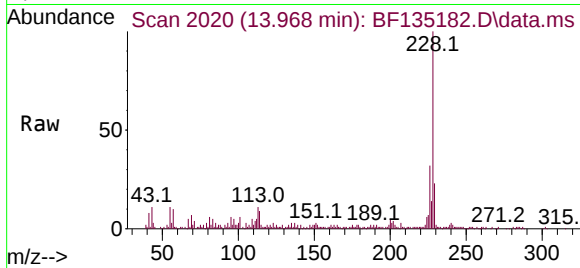




#81
Benzo(a)anthracene
Concen: 4.072 ng
RT: 13.968 min Scan# 20
Delta R.T. 0.029 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

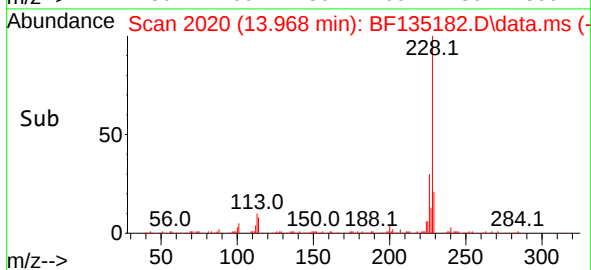
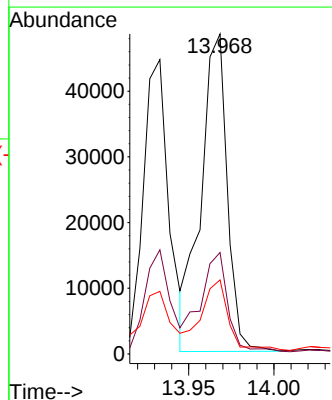
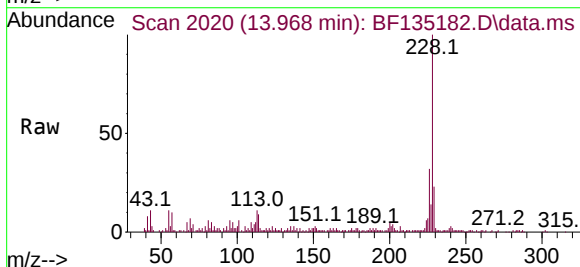
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

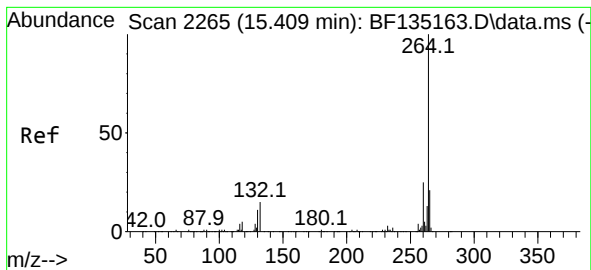
Tgt Ion:	228	Resp:	51961
Ion Ratio	Lower	Upper	
228	100		
226	31.7	21.7	32.5
229	23.2	15.8	23.8



#83
Chrysene
Concen: 4.095 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Tgt Ion:	228	Resp:	51961
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.3	36.5
229	23.2	16.0	24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

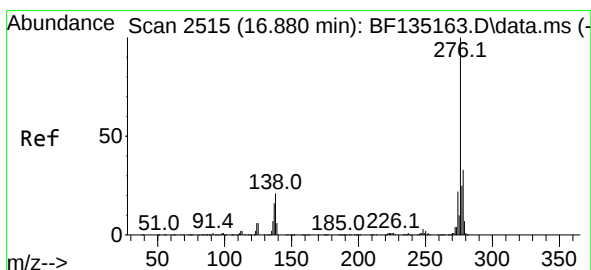
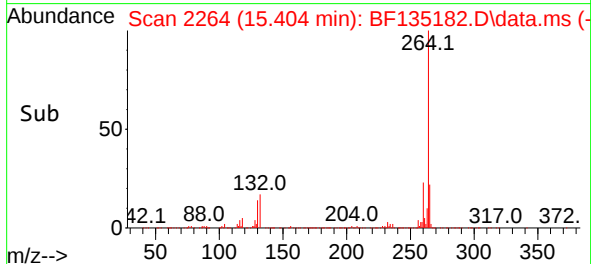
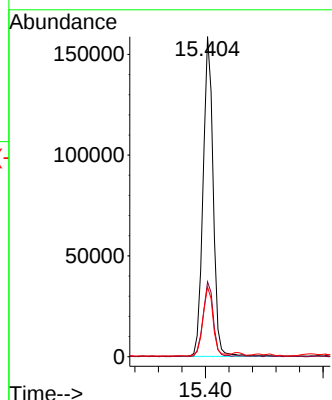
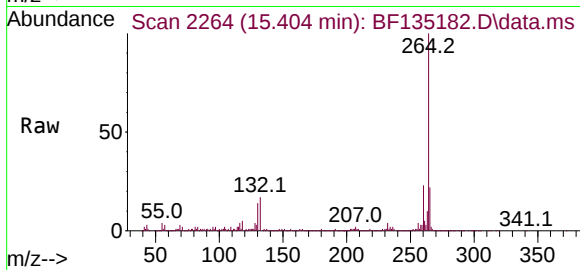
Tgt Ion:264 Resp: 188936

Ion Ratio Lower Upper

264 100

260 23.4 19.8 29.6

265 21.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.155 ng

RT: 16.868 min Scan# 2513

Delta R.T. -0.012 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

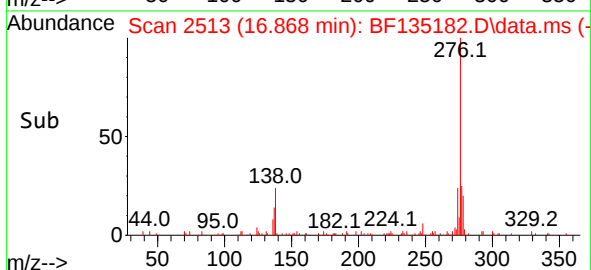
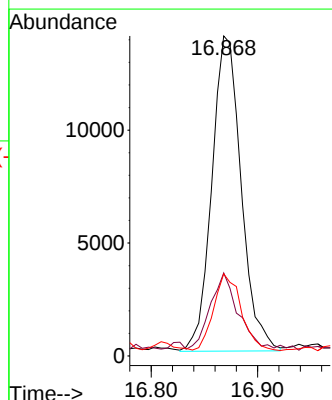
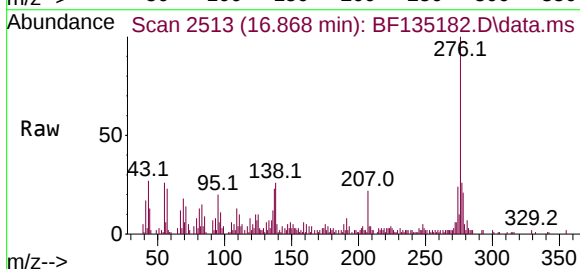
Tgt Ion:276 Resp: 26701

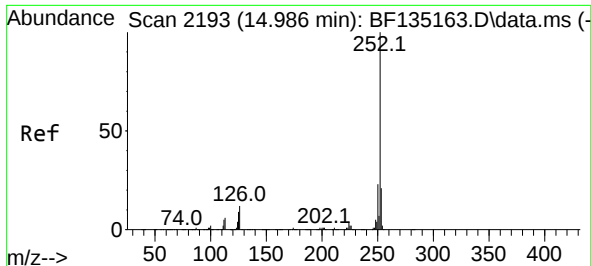
Ion Ratio Lower Upper

276 100

138 23.1 19.2 28.8

277 22.7 19.7 29.5

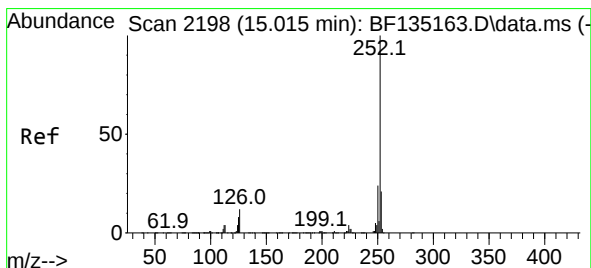
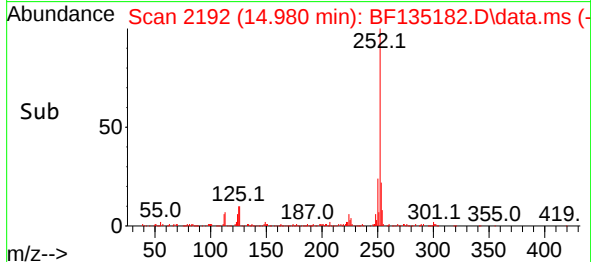
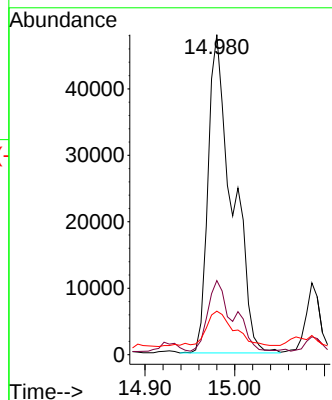
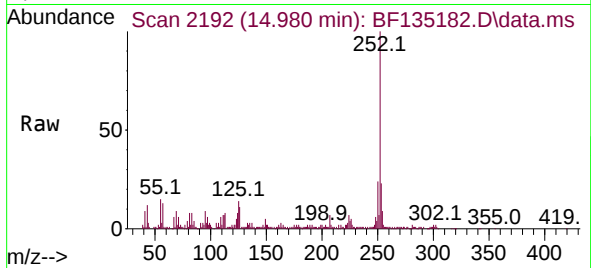




#88
Benzo(b)fluoranthene
Concen: 8.759 ng
RT: 14.980 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

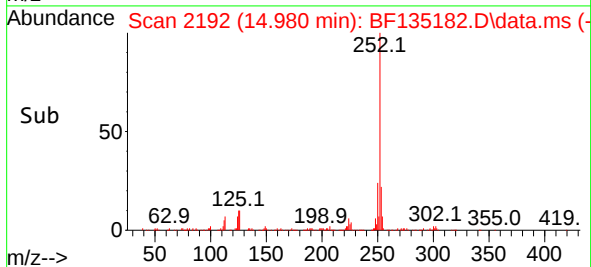
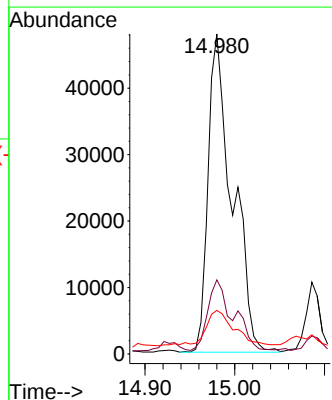
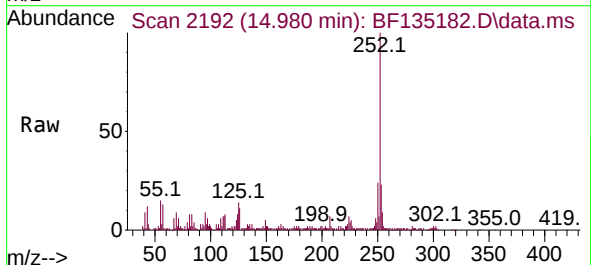
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

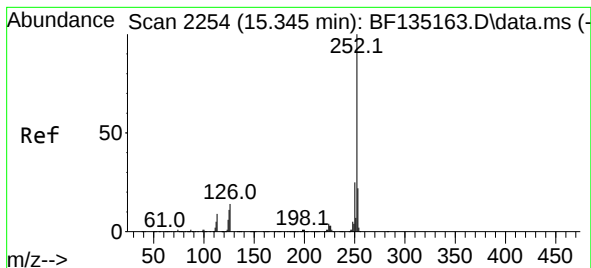
Tgt Ion:252 Resp: 89585
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 13.6 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 8.867 ng
RT: 14.980 min Scan# 2192
Delta R.T. -0.035 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

Tgt Ion:252 Resp: 89585
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 13.6 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 4.492 ng

RT: 15.339 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

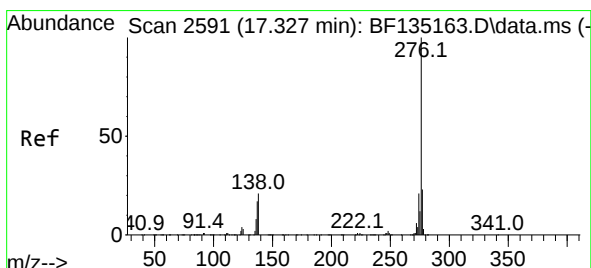
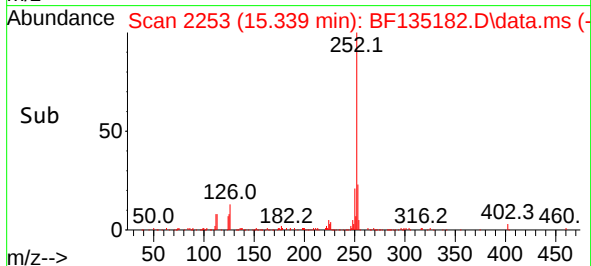
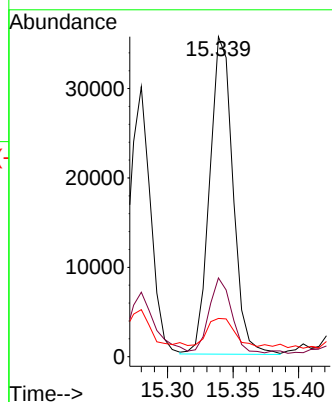
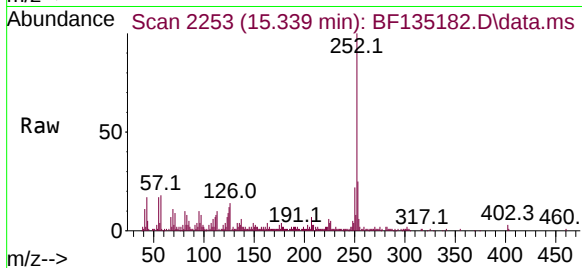
Tgt Ion:252 Resp: 43816

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 12.0 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 2.409 ng

RT: 17.315 min Scan# 2589

Delta R.T. -0.012 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

Tgt Ion:276 Resp: 25505

Ion Ratio Lower Upper

276 100

277 27.4 18.8 28.2

138 25.2 16.9 25.3

