

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135092.D
 Acq On : 05 Sep 2023 13:19
 Operator : CG\JU
 Sample : 04212-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 05 13:41:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

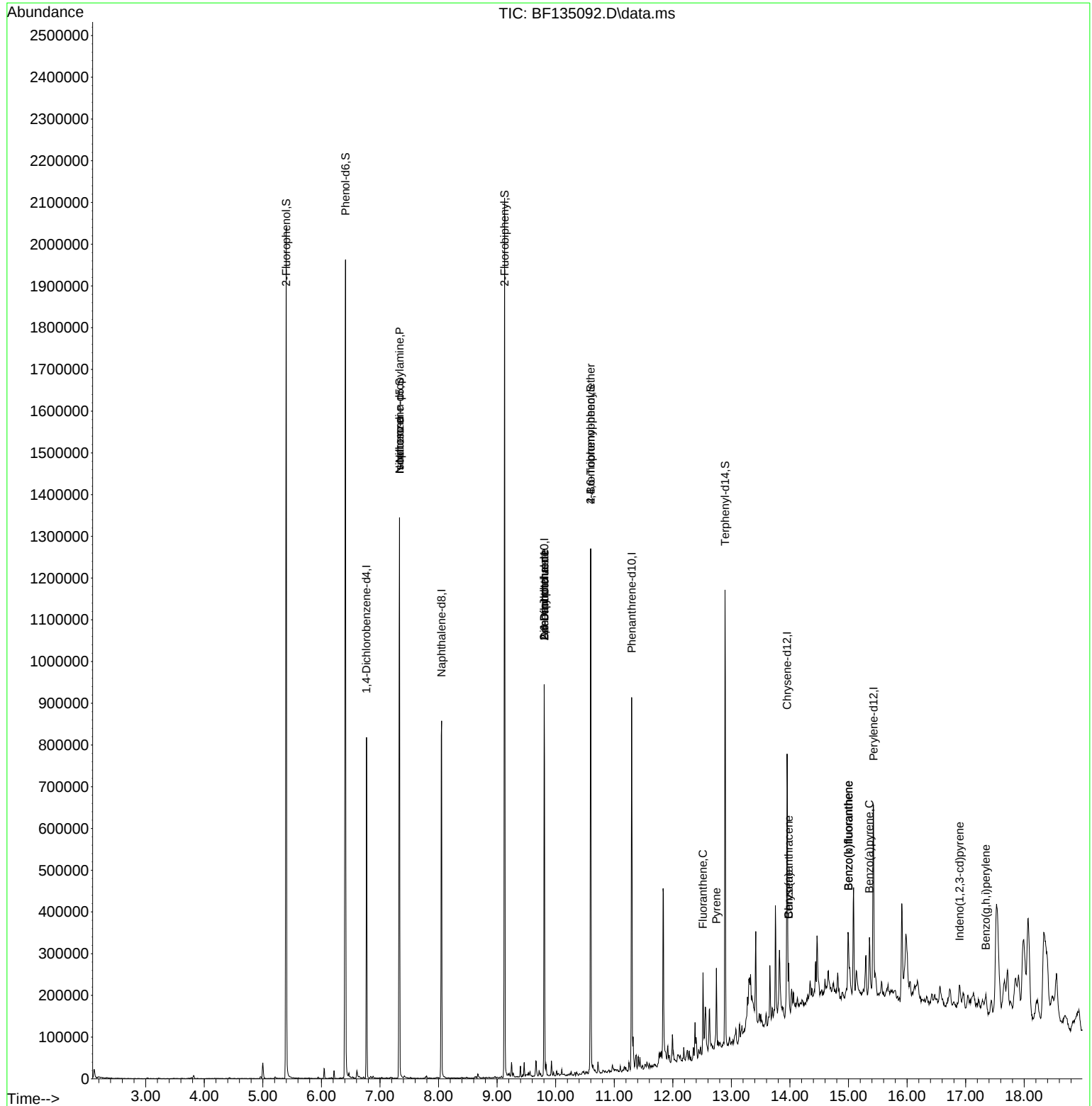
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	101788	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	385127	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	184595	20.000	ng	-0.01
64) Phenanthrene-d10	11.298	188	300022	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	187890	20.000	ng	-0.01
86) Perylene-d12	15.427	264	224958	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	520679	79.012	ng	0.00
7) Phenol-d6	6.410	99	630409	76.750	ng	0.00
23) Nitrobenzene-d5	7.334	82	397685	58.013	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	140986	71.999	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	567823	50.081	ng	-0.01
79) Terphenyl-d14	12.892	244	358736	31.158	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	53547	10.975	ng	# 76
25) Isophorone	7.334	82	397682	30.597	ng	# 65
50) Dimethylphthalate	9.804	163	34116	2.639	ng	# 1
51) 2,6-Dinitrotoluene	9.804	165	24005	8.464	ng	# 21
57) 2,4-Dinitrotoluene	9.804	165	24005	6.792	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	8477	2.664	ng	# 1
69) Atrazine	11.163	200	59	Below Cal		# 4
75) Fluoranthene	12.516	202	70927	4.532	ng	99
78) Pyrene	12.745	202	71797	4.025	ng	99
81) Benzo(a)anthracene	13.980	228	50422	3.934	ng	96
83) Chrysene	13.980	228	50422	4.003	ng	96
87) Indeno(1,2,3-cd)pyrene	16.898	276	34708	2.291	ng	97
88) Benzo(b)fluoranthene	14.998	252	102716	7.338	ng	# 96
89) Benzo(k)fluoranthene	14.998	252	102716	7.596	ng	# 95
90) Benzo(a)pyrene	15.357	252	55745	4.287	ng	95
92) Benzo(g,h,i)perylene	17.345	276	32610	2.555	ng	94

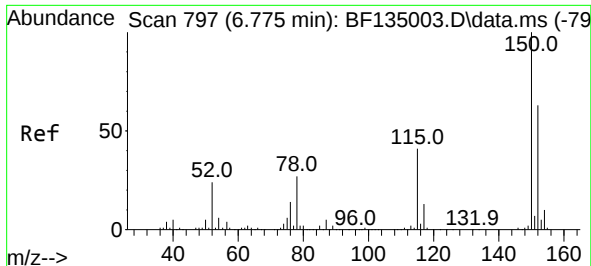
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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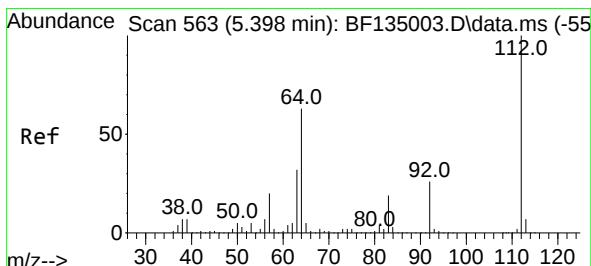
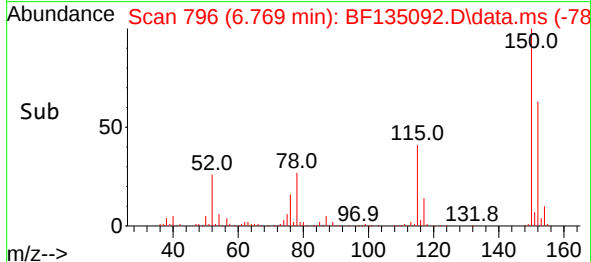
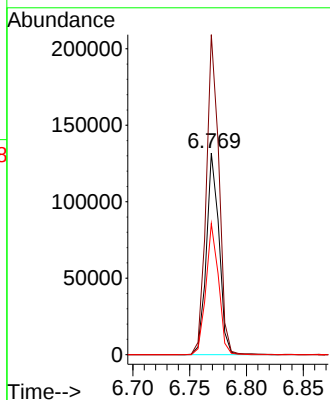
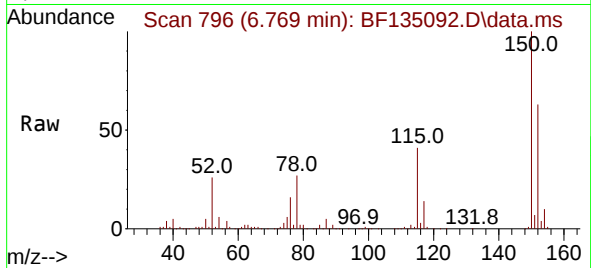




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

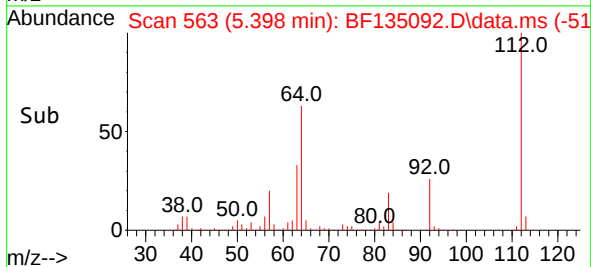
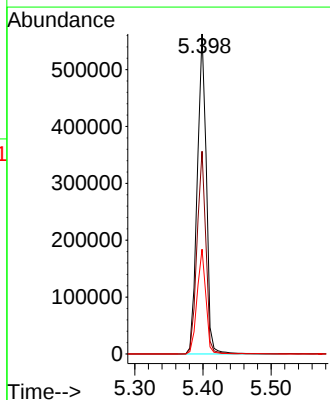
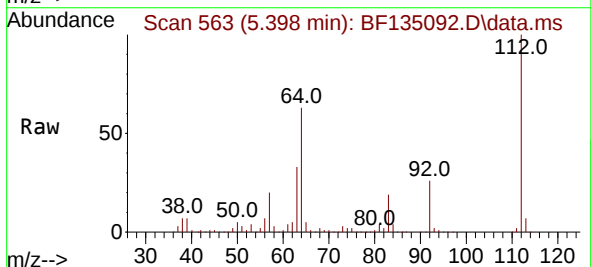
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

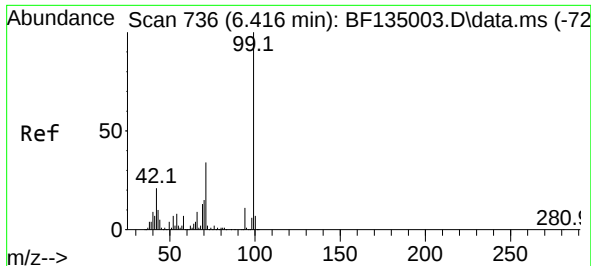
Tgt Ion:152 Resp: 101788
Ion Ratio Lower Upper
152 100
150 158.8 126.2 189.4
115 65.0 51.2 76.8



#5
2-Fluorophenol
Concen: 79.012 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

Tgt Ion:112 Resp: 520679
Ion Ratio Lower Upper
112 100
64 63.4 50.5 75.7
63 32.8 25.9 38.9

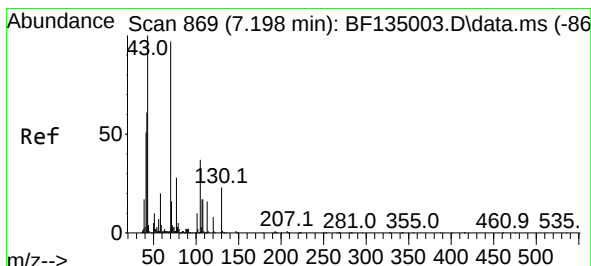
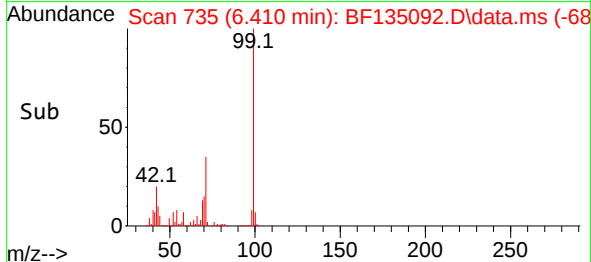
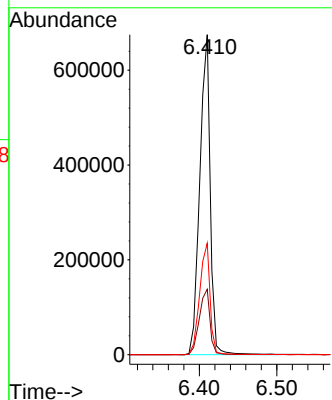
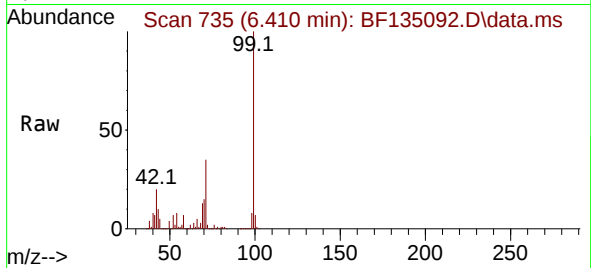




#7
Phenol-d6
Concen: 76.750 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

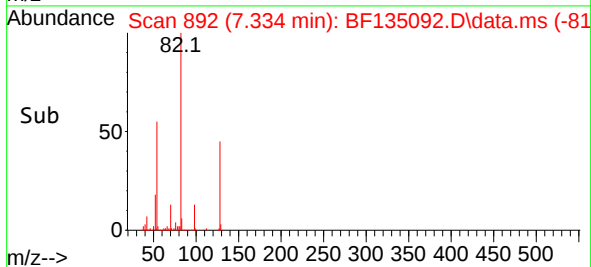
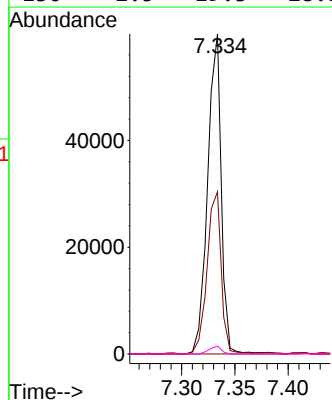
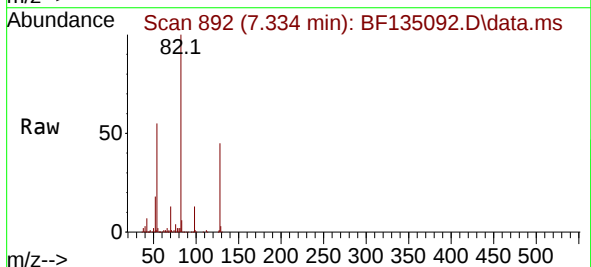
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

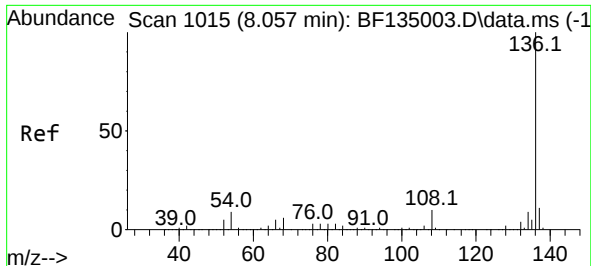
Tgt Ion: 99 Resp: 630409
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 34.9 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.975 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

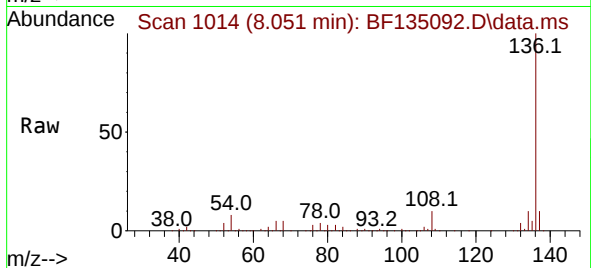
Tgt Ion: 70 Resp: 53547
Ion Ratio Lower Upper
70 100
42 50.7 50.2 75.4
101 0.0 8.1 12.1#
130 2.5 19.3 28.9#



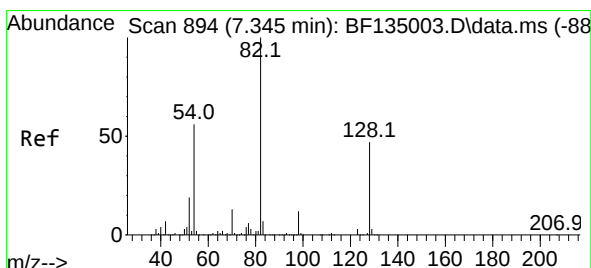
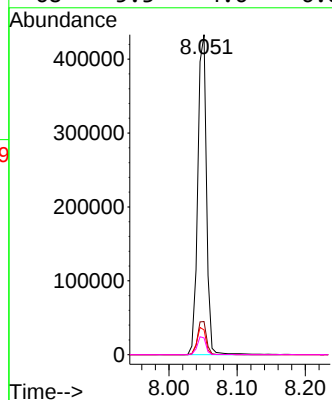
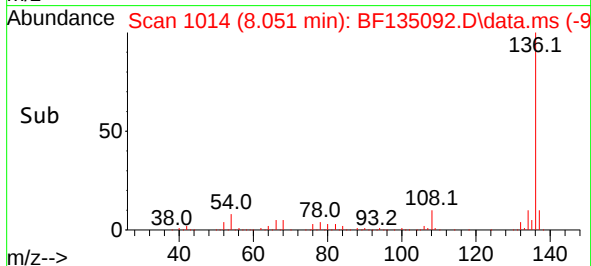


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

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

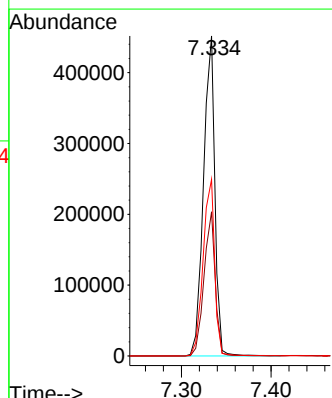
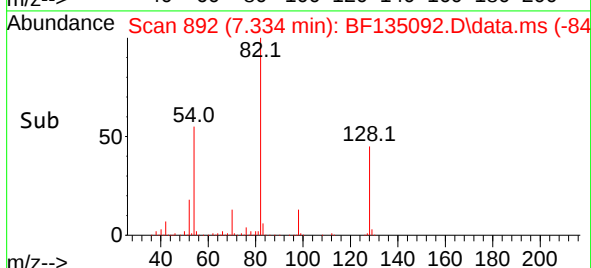
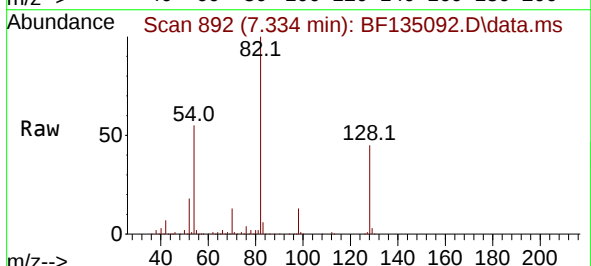


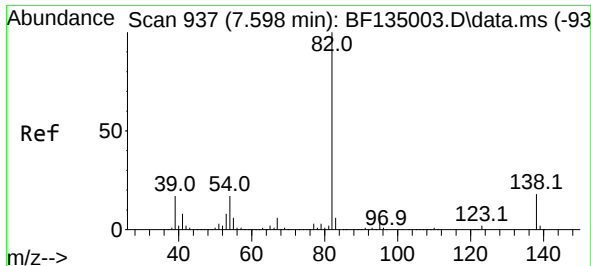
Tgt Ion:136 Resp: 385127
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 7.8 7.0 10.4
68 5.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 58.013 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

Tgt Ion: 82 Resp: 397685
Ion Ratio Lower Upper
82 100
128 45.1 37.8 56.8
54 55.2 45.0 67.6

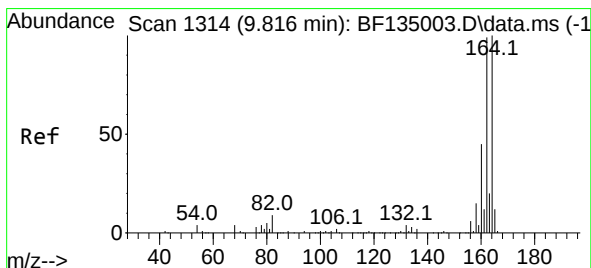
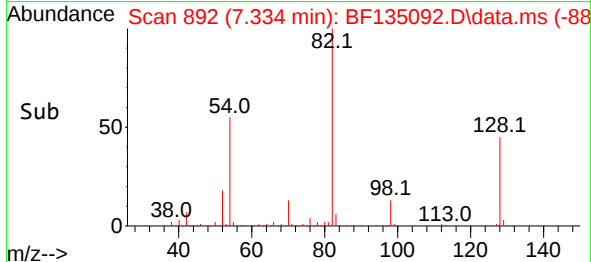
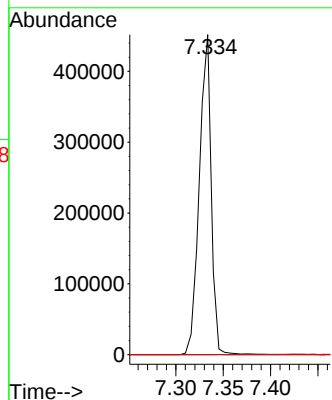
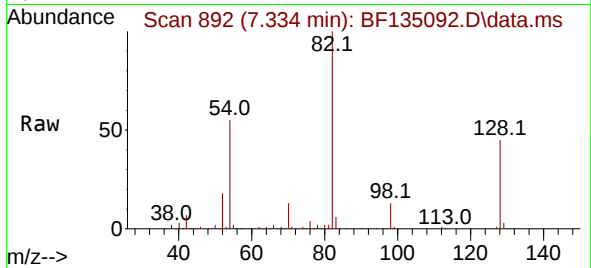




#25
Isophorone
Concen: 30.597 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

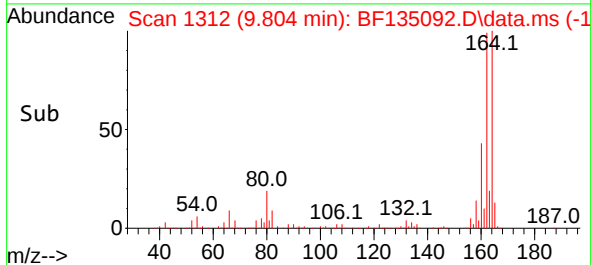
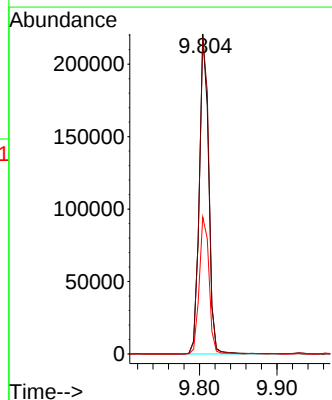
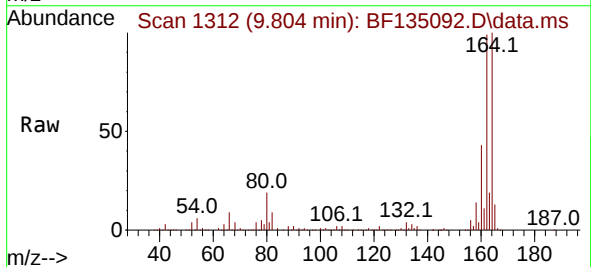
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

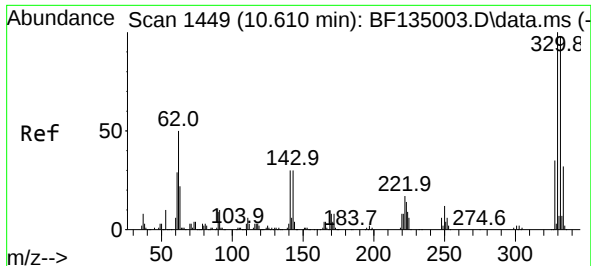
Tgt Ion: 82 Resp: 397682
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

Tgt Ion:164 Resp: 184595
Ion Ratio Lower Upper
164 100
162 98.9 79.5 119.3
160 42.8 36.0 54.0

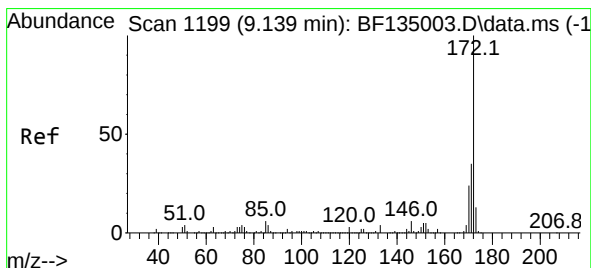
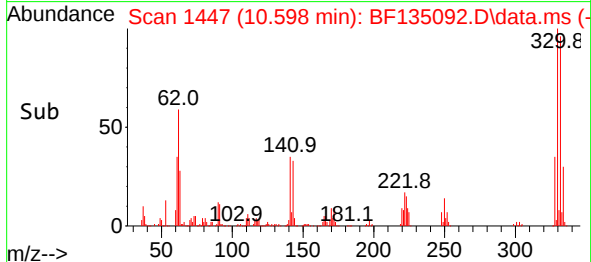
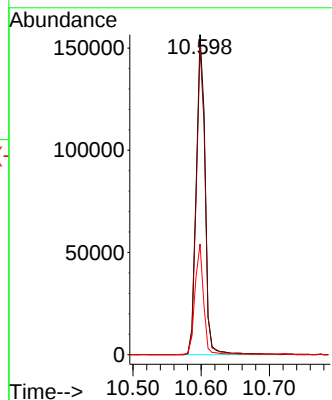
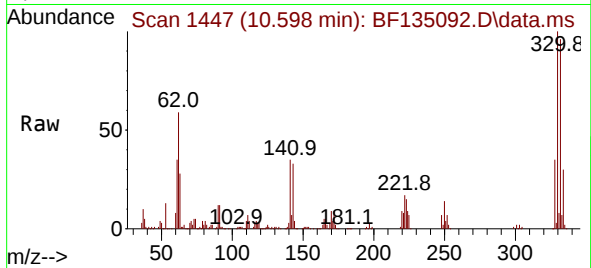




#42
2,4,6-Tribromophenol
Concen: 71.999 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

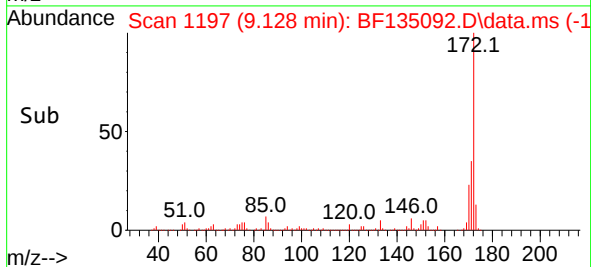
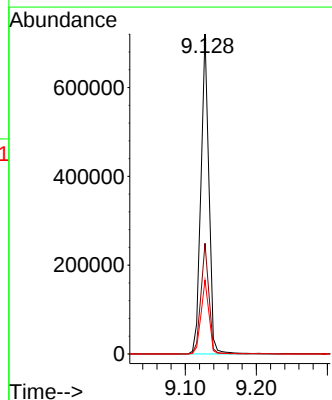
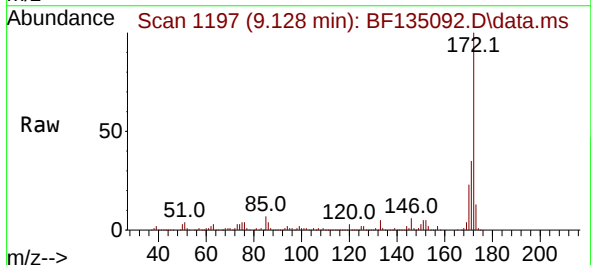
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ClientSampleId :
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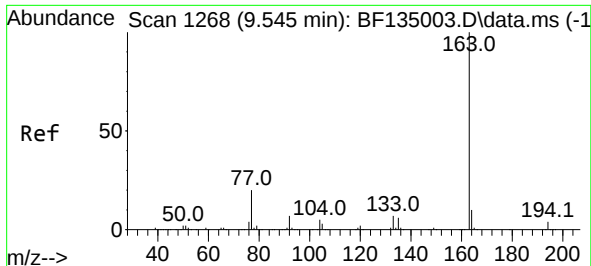
Tgt Ion:330 Resp: 140986
Ion Ratio Lower Upper
330 100
332 94.5 77.6 116.4
141 33.6 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 50.081 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

Tgt Ion:172 Resp: 567823
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.1 19.0 28.4

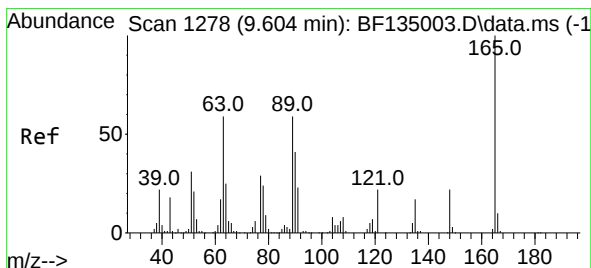
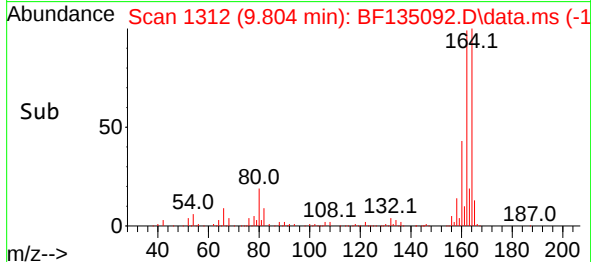
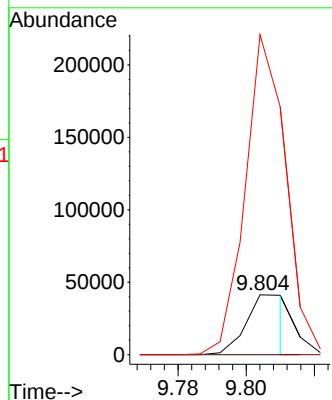
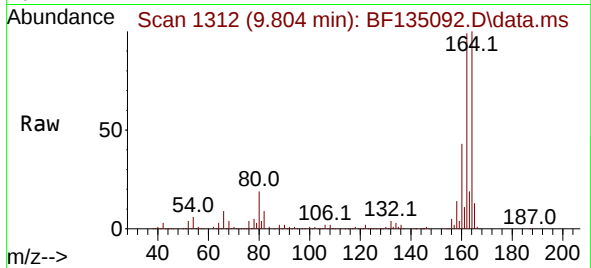




#50
Dimethylphthalate
Concen: 2.639 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

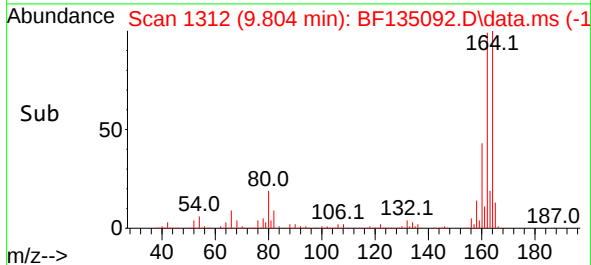
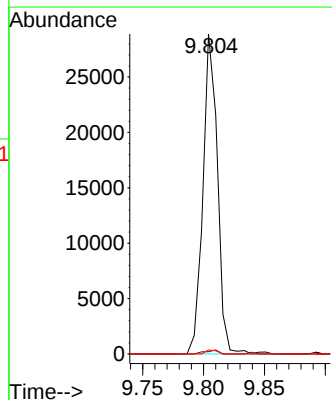
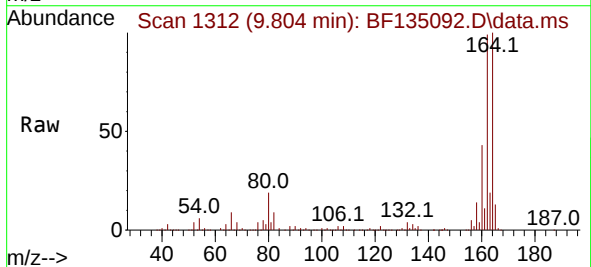
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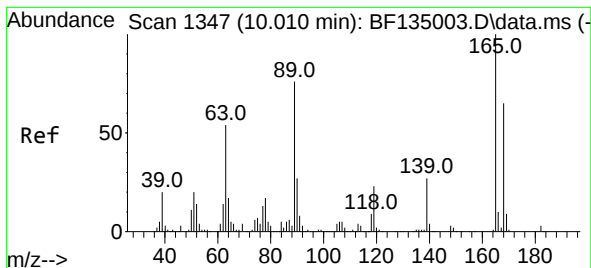
Tgt Ion:163 Resp: 34116
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 535.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.464 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.200 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

Tgt Ion:165 Resp: 24005
Ion Ratio Lower Upper
165 100
63 0.7 50.4 75.6#
89 1.3 47.1 70.7#

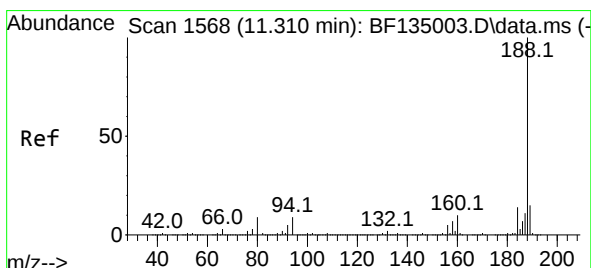
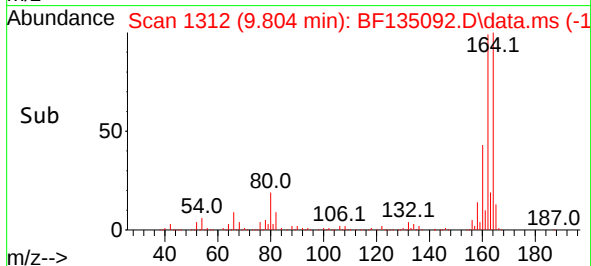
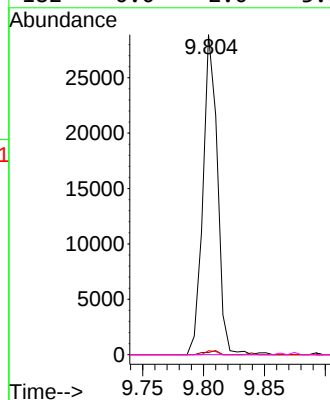
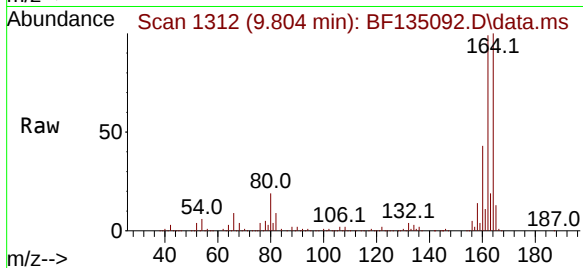




#57
2,4-Dinitrotoluene
Concen: 6.792 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

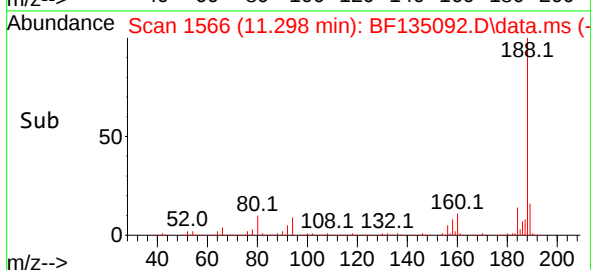
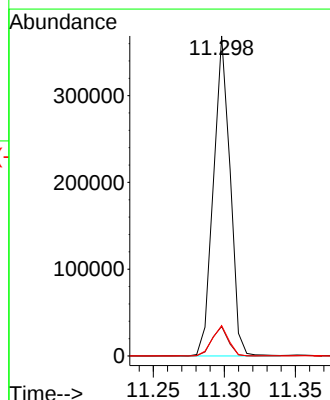
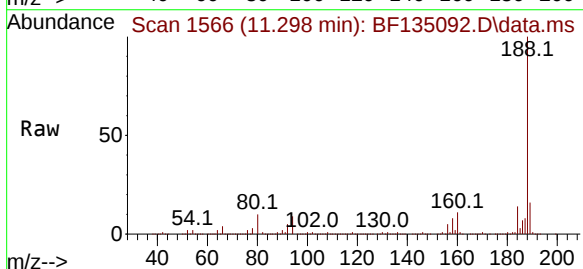
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

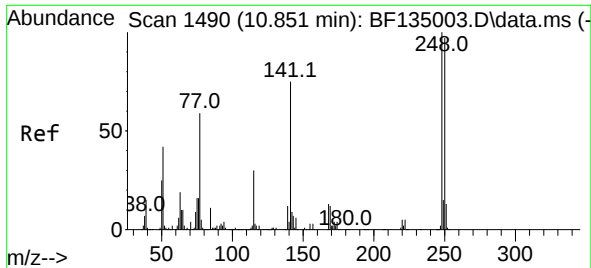
Tgt Ion:165 Resp: 24005
Ion Ratio Lower Upper
165 100
63 0.7 43.2 64.8#
89 1.3 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

Tgt Ion:188 Resp: 300022
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 9.5 7.4 11.2

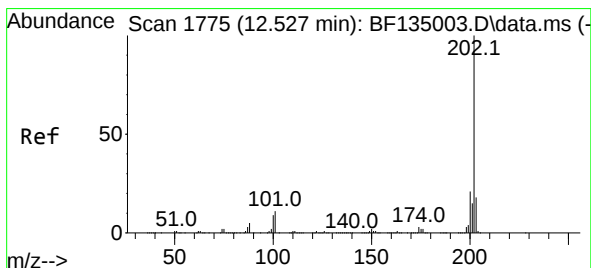
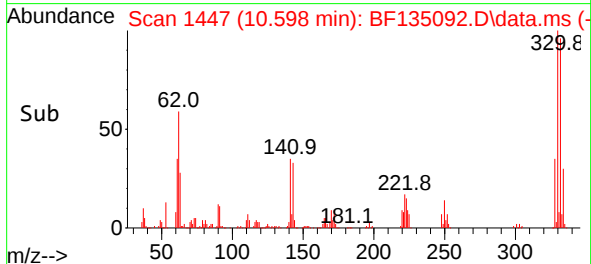
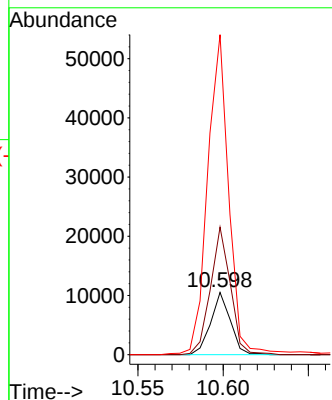
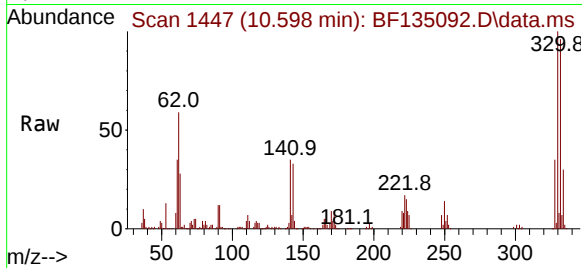




#67
4-Bromophenyl-phenylether
Concen: 2.664 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

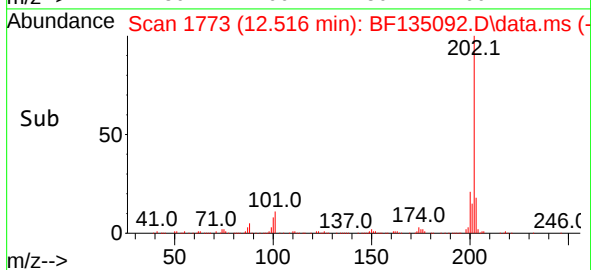
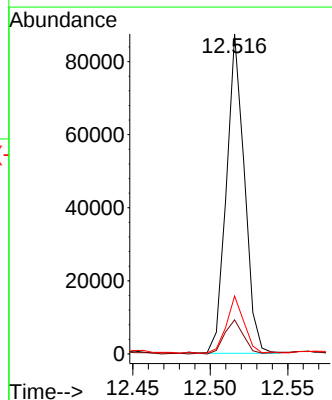
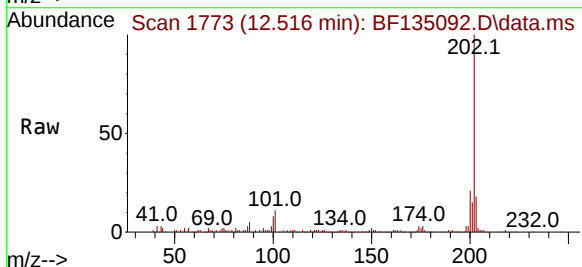
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

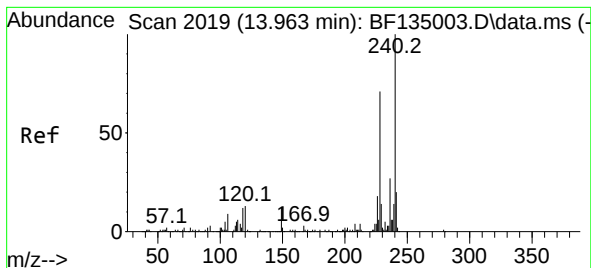
Tgt Ion:248 Resp: 8477
Ion Ratio Lower Upper
248 100
250 204.9 77.9 116.9#
141 514.0 59.8 89.8#



#75
Fluoranthene
Concen: 4.532 ng
RT: 12.516 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF135092.D
Acq: 05 Sep 2023 13:19

Tgt Ion:202 Resp: 70927
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 18.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF135092.D

Acq: 05 Sep 2023 13:19

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

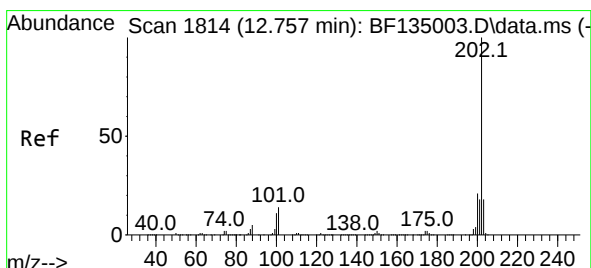
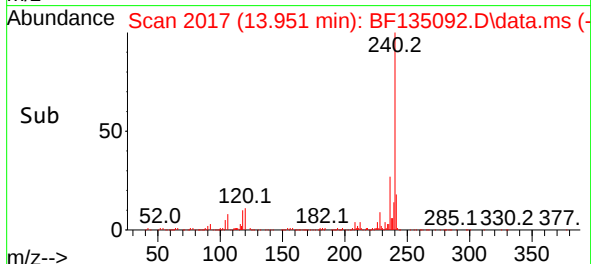
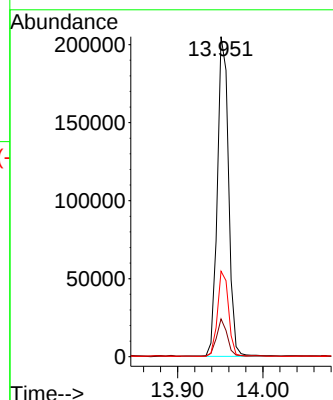
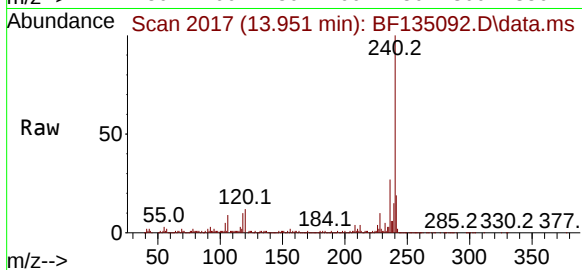
Tgt Ion:240 Resp: 187890

Ion Ratio Lower Upper

240 100

120 11.8 10.2 15.2

236 26.7 21.3 31.9



#78

Pyrene

Concen: 4.025 ng

RT: 12.745 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF135092.D

Acq: 05 Sep 2023 13:19

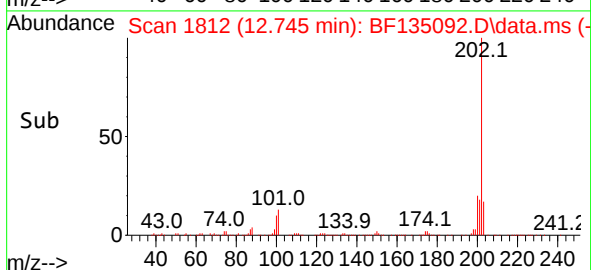
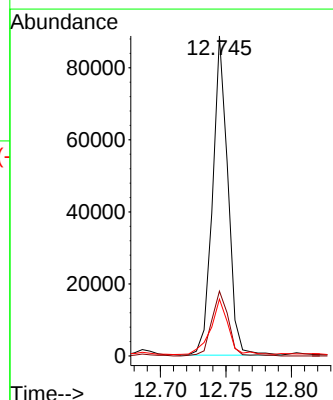
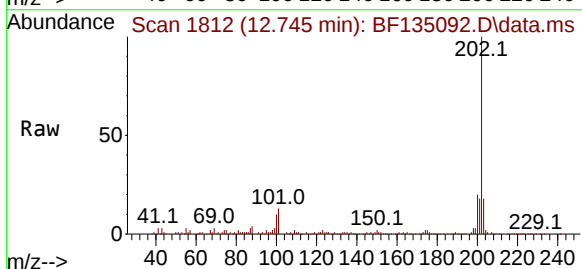
Tgt Ion:202 Resp: 71797

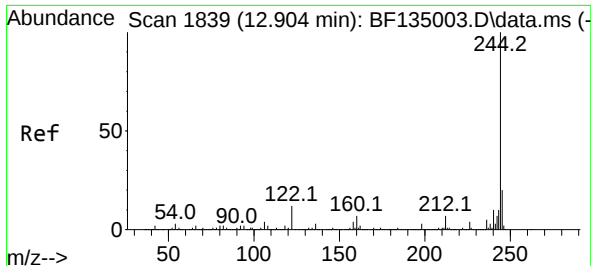
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

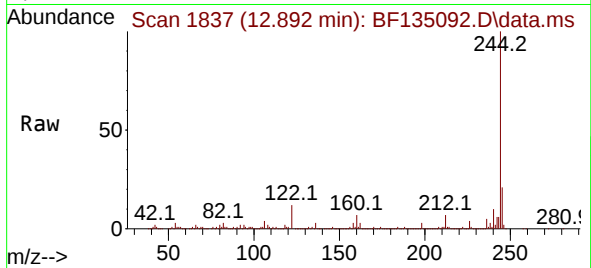
203 17.8 14.2 21.2



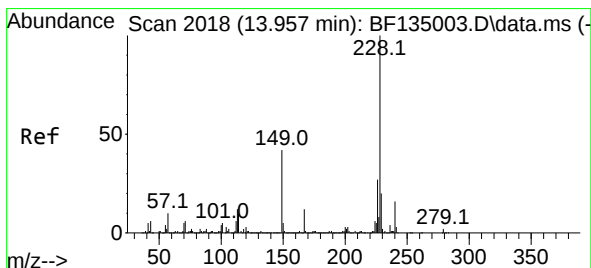
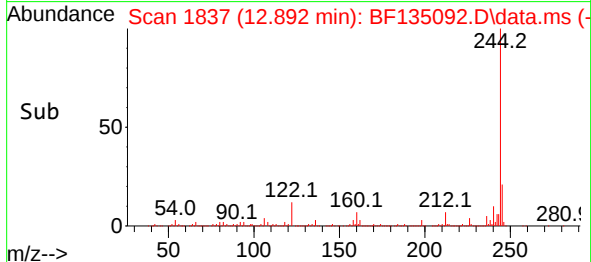
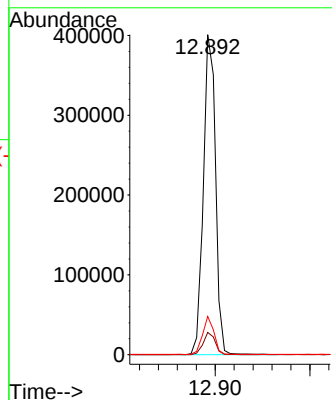


#79
 Terphenyl-d14
 Concen: 31.158 ng
 RT: 12.892 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135092.D
 Acq: 05 Sep 2023 13:19

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

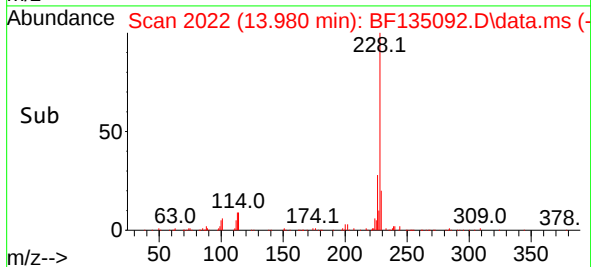
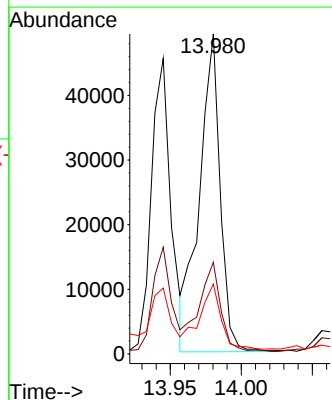
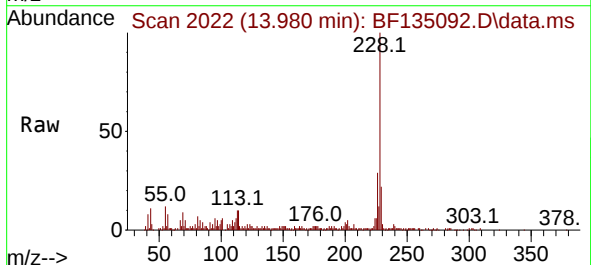


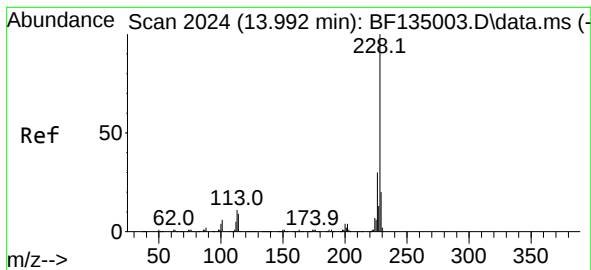
Tgt Ion:244 Resp: 358736
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 12.0 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 3.934 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. 0.024 min
 Lab File: BF135092.D
 Acq: 05 Sep 2023 13:19

Tgt Ion:228 Resp: 50422
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.6 32.4
 229 21.9 15.6 23.4





#83

Chrysene

Concen: 4.003 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135092.D

Acq: 05 Sep 2023 13:19

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

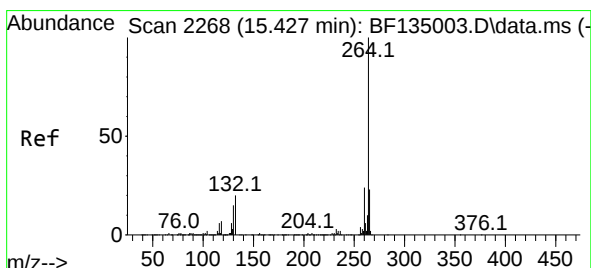
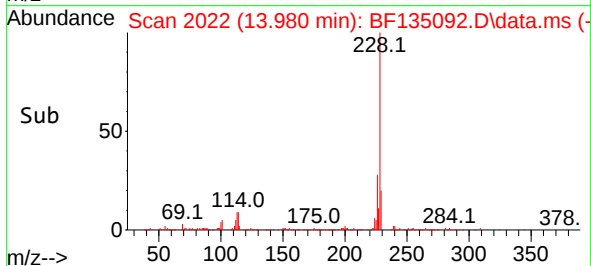
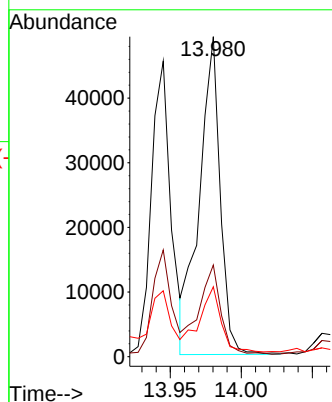
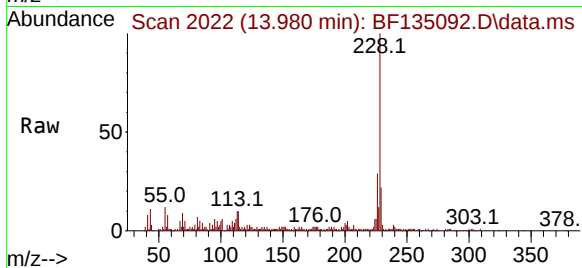
Tgt Ion:228 Resp: 50422

Ion Ratio Lower Upper

228 100

226 28.7 24.2 36.4

229 21.9 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2268

Delta R.T. 0.000 min

Lab File: BF135092.D

Acq: 05 Sep 2023 13:19

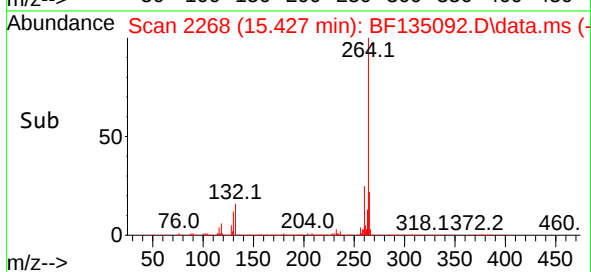
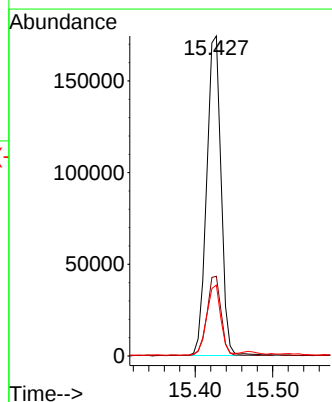
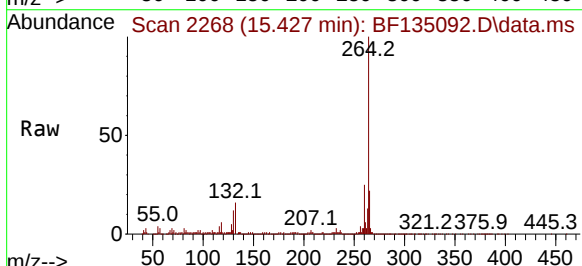
Tgt Ion:264 Resp: 224958

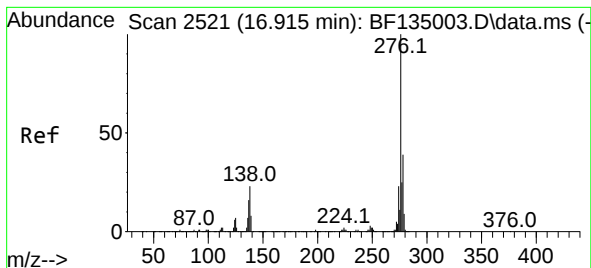
Ion Ratio Lower Upper

264 100

260 24.9 19.0 28.6

265 22.1 18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.291 ng

RT: 16.898 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF135092.D

Acq: 05 Sep 2023 13:19

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

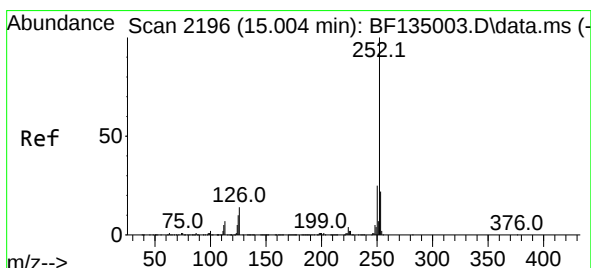
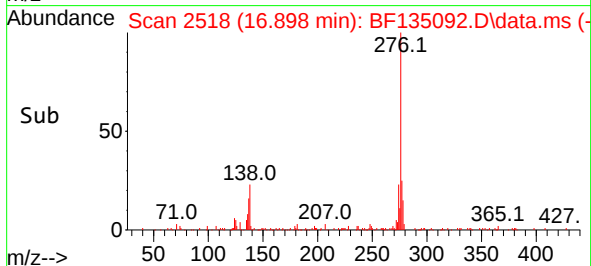
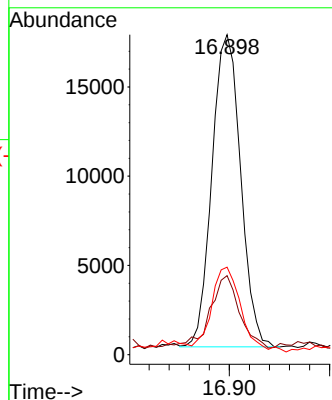
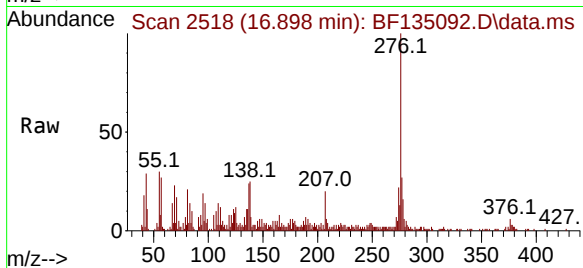
Tgt Ion:276 Resp: 34708

Ion Ratio Lower Upper

276 100

138 24.6 20.2 30.2

277 28.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.338 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135092.D

Acq: 05 Sep 2023 13:19

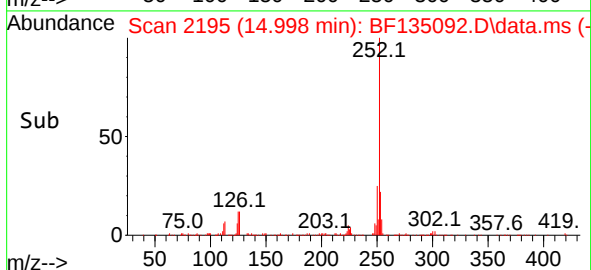
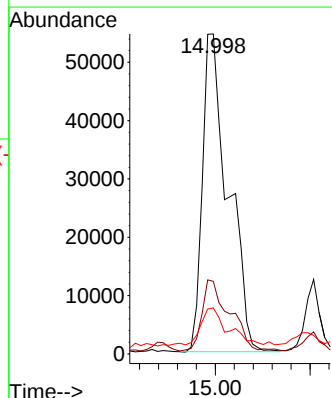
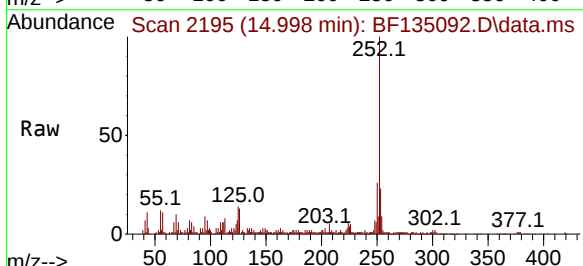
Tgt Ion:252 Resp: 102716

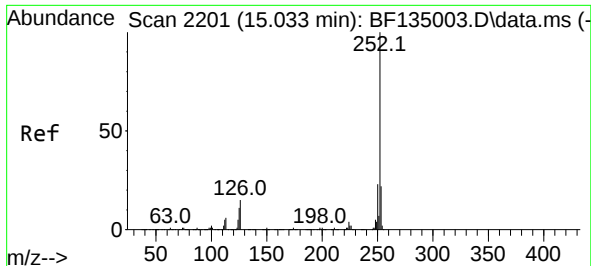
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 14.4 8.4 12.6#





#89

Benzo(k)fluoranthene

Concen: 7.596 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF135092.D

Acq: 05 Sep 2023 13:19

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

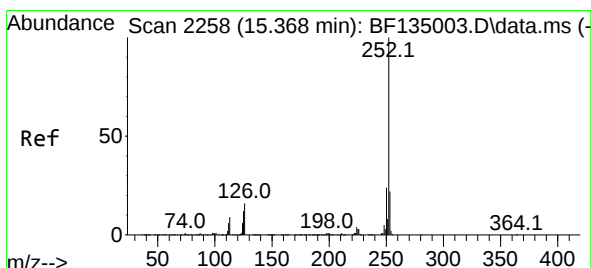
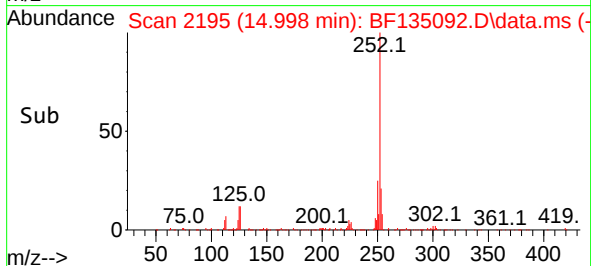
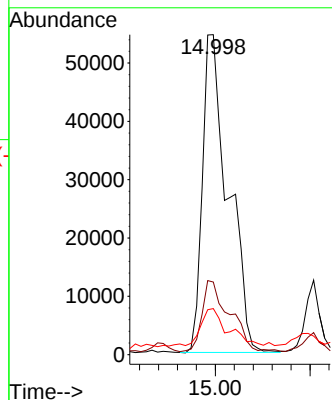
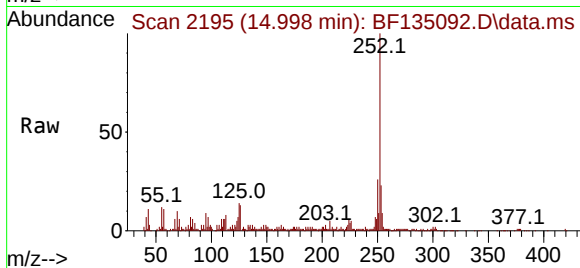
Tgt Ion:252 Resp: 102716

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 14.4 8.5 12.7#



#90

Benzo(a)pyrene

Concen: 4.287 ng

RT: 15.357 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF135092.D

Acq: 05 Sep 2023 13:19

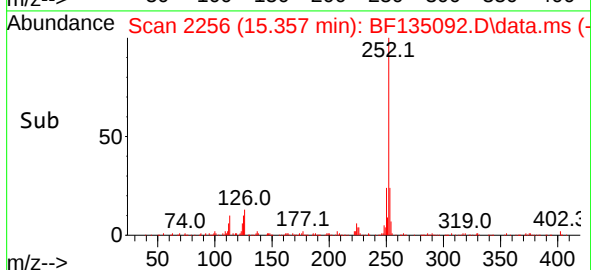
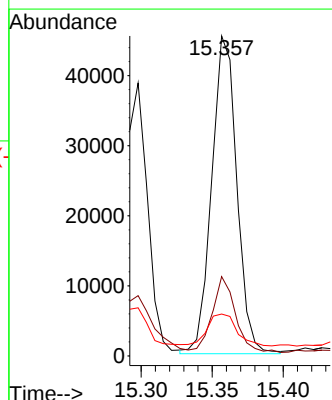
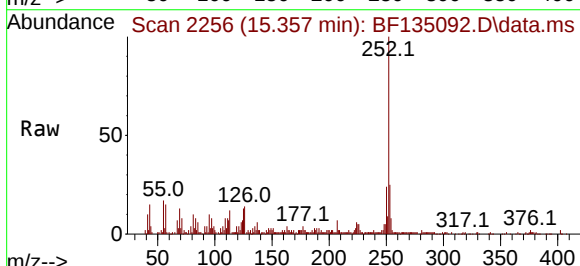
Tgt Ion:252 Resp: 55745

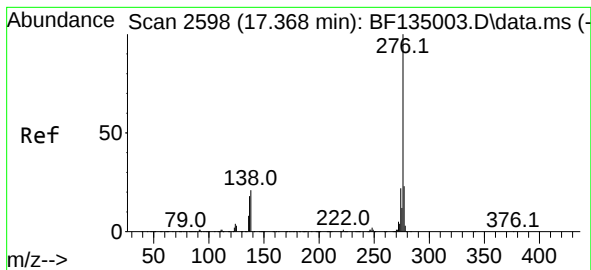
Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 13.1 9.5 14.3





#92

Benzo(g,h,i)perylene

Concen: 2.555 ng

RT: 17.345 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF135092.D

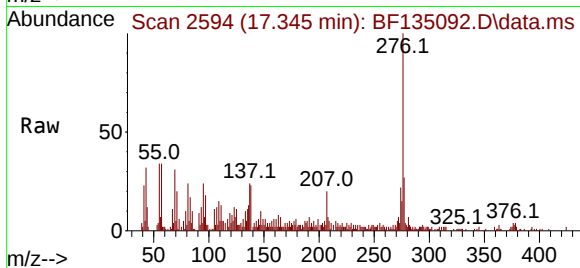
Acq: 05 Sep 2023 13:19

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3



Tgt Ion:276 Resp: 32610

Ion Ratio Lower Upper

276 100

277 27.1 18.5 27.7

138 22.8 17.1 25.7

