

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120823\
 Data File : BF136471.D
 Acq On : 08 Dec 2023 17:07
 Operator : CG\JU
 Sample : 05600-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Dec 08 17:28:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

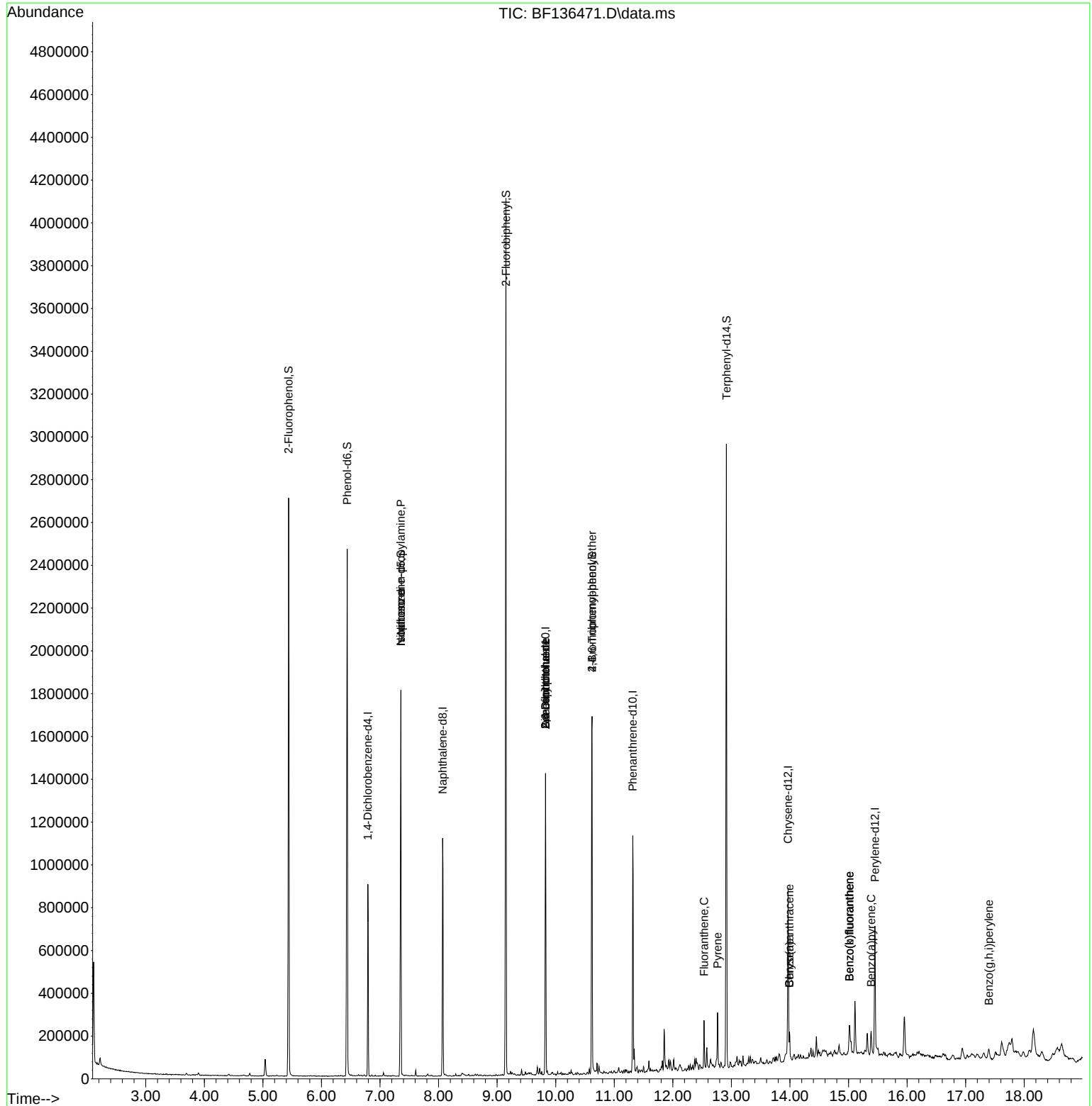
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	130886	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	515921	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	253021	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	407491	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	238734	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	268582	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	766274	86.461	ng	0.00
7) Phenol-d6	6.440	99	949550	85.874	ng	0.00
23) Nitrobenzene-d5	7.357	82	581652	60.948	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	231897	74.331	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1183911	63.846	ng	-0.01
79) Terphenyl-d14	12.916	244	965250	53.291	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.345	77	526	Below Cal	#	83
19) n-Nitroso-di-n-propyla...	7.357	70	76077	11.927	ng	# 77
25) Isophorone	7.357	82	581647	33.924	ng	# 65
50) Dimethylphthalate	9.828	163	51313	2.755	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	33811	8.068	ng	# 28
57) 2,4-Dinitrotoluene	9.828	165	33811	6.099	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	13883	2.930	ng	# 1
75) Fluoranthene	12.533	202	81397	3.468	ng	96
78) Pyrene	12.763	202	89613	3.833	ng	96
81) Benzo(a)anthracene	13.992	228	51094	3.073	ng	95
83) Chrysene	13.992	228	51094	3.123	ng	98
88) Benzo(b)fluoranthene	15.015	252	98068	5.340	ng	95
89) Benzo(k)fluoranthene	15.015	252	98068	5.667	ng	95
90) Benzo(a)pyrene	15.386	252	53725	3.543	ng	98
92) Benzo(g,h,i)perylene	17.398	276	33652	2.145	ng	98

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

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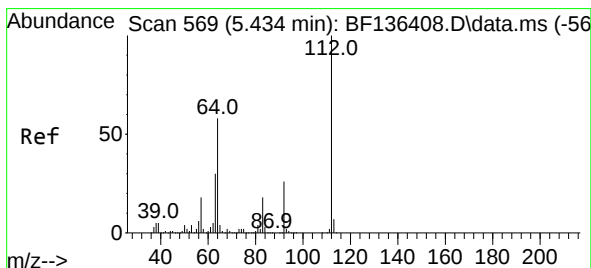
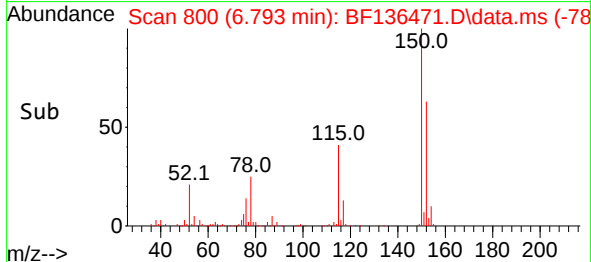
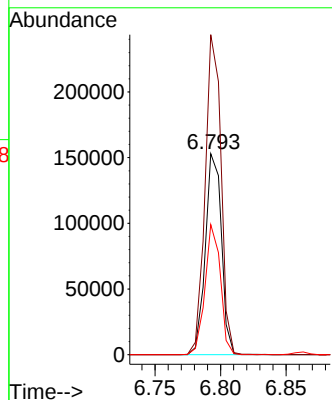
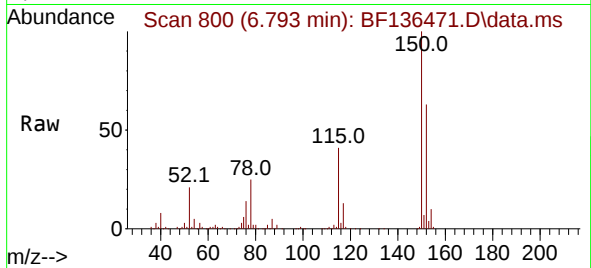




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. -0.011 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

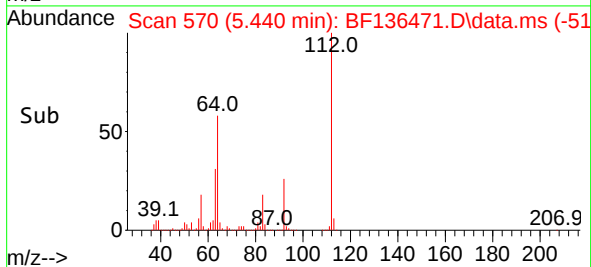
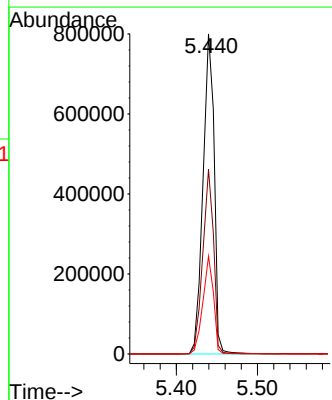
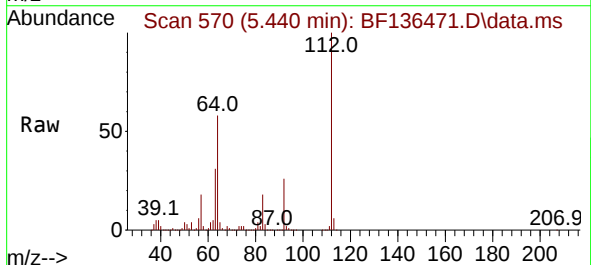
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

Tgt Ion:152 Resp: 130886
Ion Ratio Lower Upper
152 100
150 159.2 126.4 189.6
115 64.7 48.2 72.4



#5
2-Fluorophenol
Concen: 86.461 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion:112 Resp: 766274
Ion Ratio Lower Upper
112 100
64 57.7 46.5 69.7
63 30.5 23.9 35.9

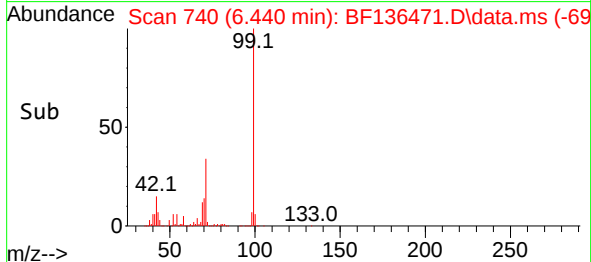
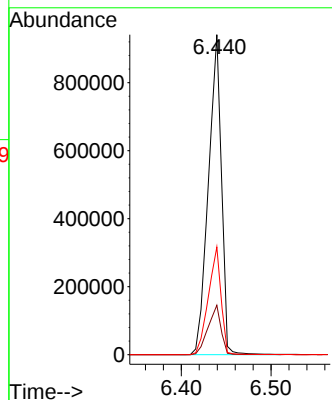
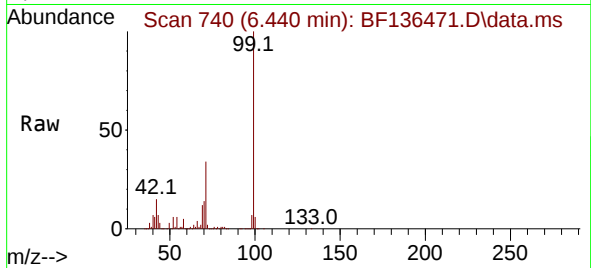




#7
Phenol-d6
Concen: 85.874 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

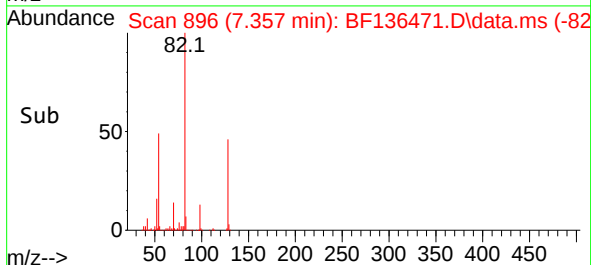
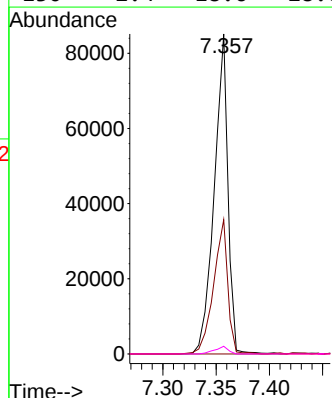
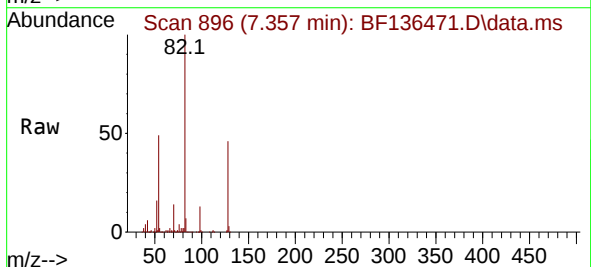
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

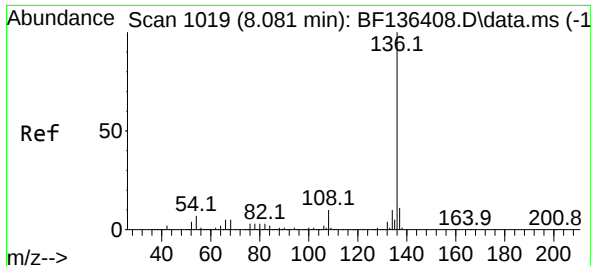
Tgt Ion: 99 Resp: 949550
Ion Ratio Lower Upper
99 100
42 15.4 12.8 19.2
71 33.6 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.927 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion: 70 Resp: 76077
Ion Ratio Lower Upper
70 100
42 41.9 41.4 62.0
101 0.0 8.2 12.4#
130 2.4 18.6 28.0#



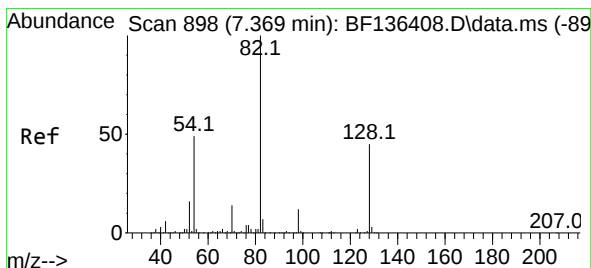
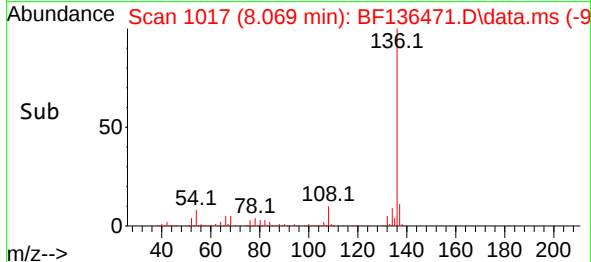
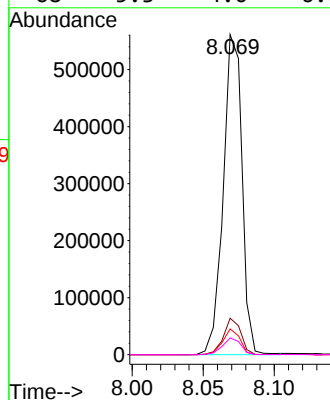
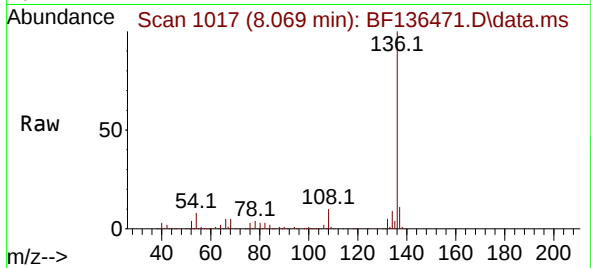


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

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

Tgt Ion:136 Resp: 515921

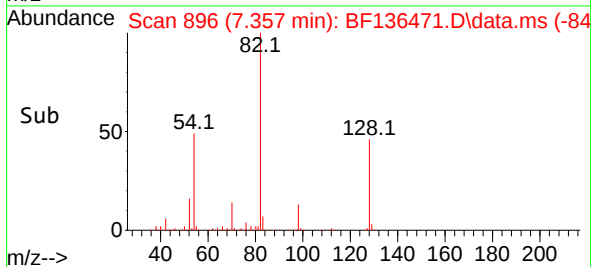
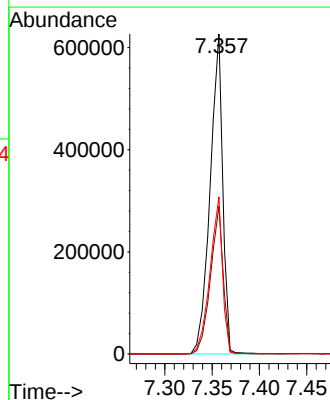
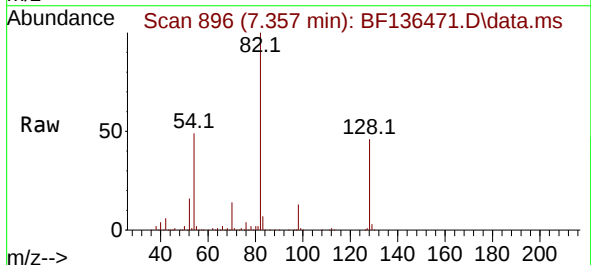
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	12.8
54	8.1	5.7	8.5
68	5.3	4.0	6.0

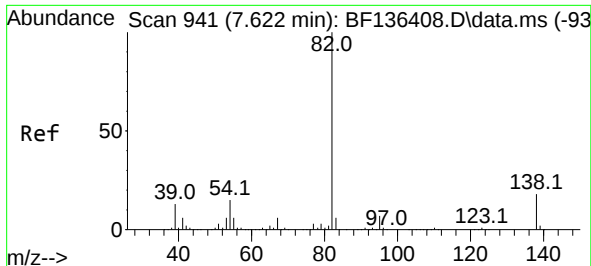


#23
Nitrobenzene-d5
Concen: 60.948 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion: 82 Resp: 581652

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.3	54.5
54	49.1	39.0	58.6

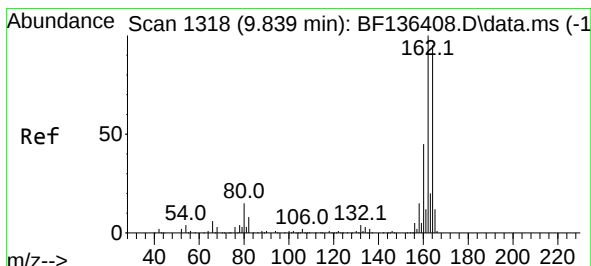
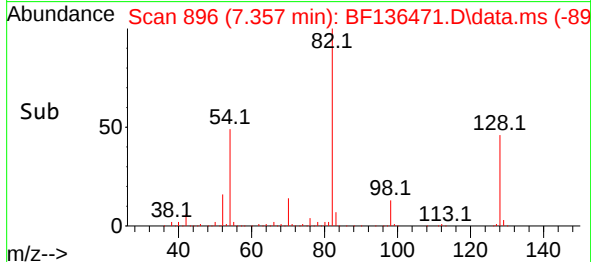
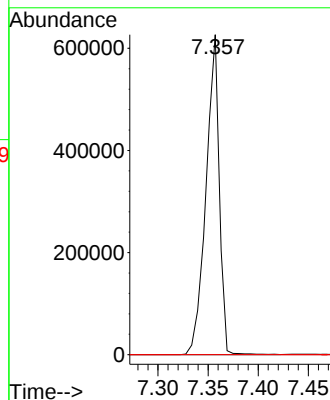
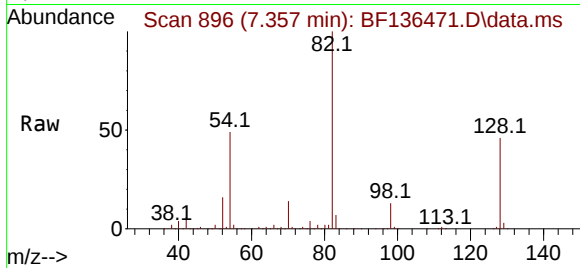




#25
Isophorone
Concen: 33.924 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

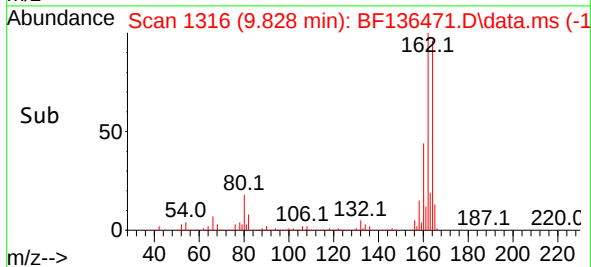
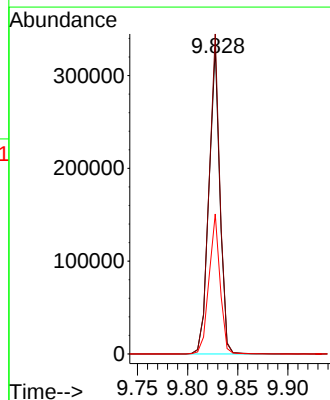
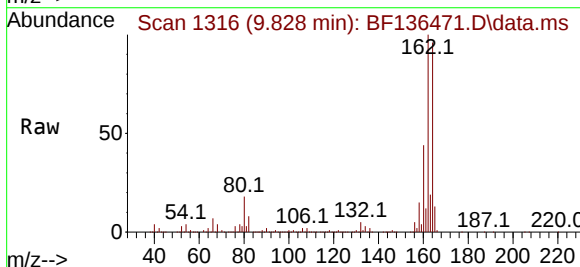
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

Tgt Ion: 82 Resp: 581647
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion:164 Resp: 253021
Ion Ratio Lower Upper
164 100
162 104.4 84.4 126.6
160 45.7 37.6 56.4

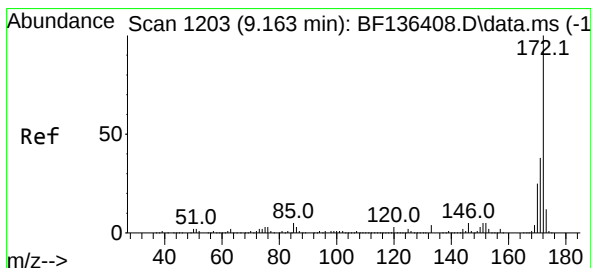
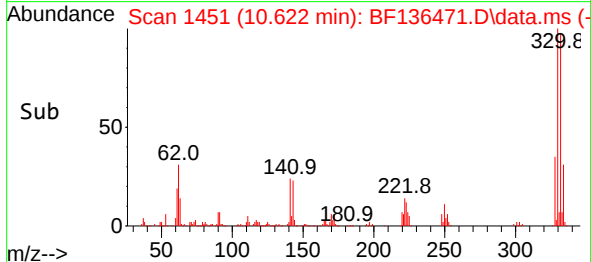
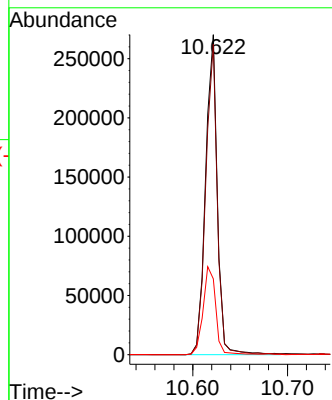
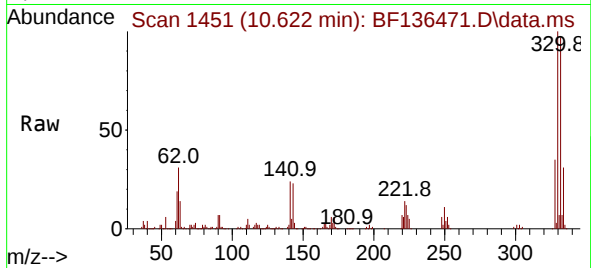




#42
2,4,6-Tribromophenol
Concen: 74.331 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

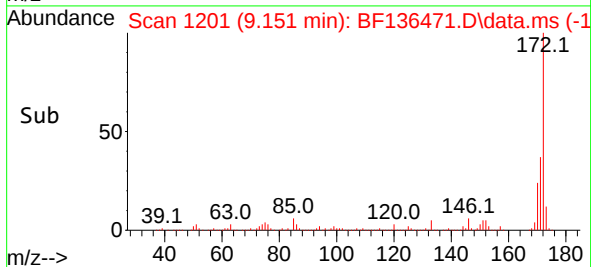
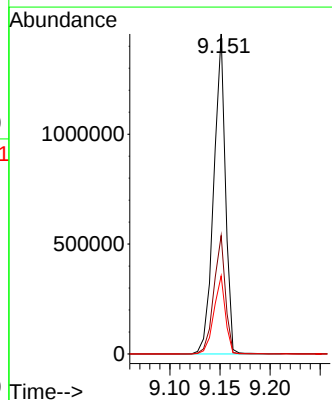
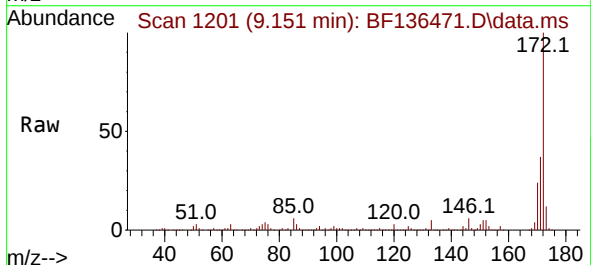
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ClientSampleId :
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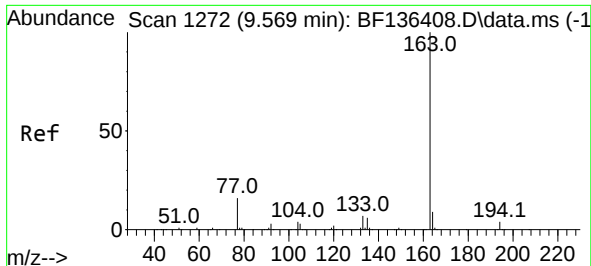
Tgt Ion:330 Resp: 231897
Ion Ratio Lower Upper
330 100
332 96.3 76.4 114.6
141 29.5 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 63.846 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion:172 Resp: 1183911
Ion Ratio Lower Upper
172 100
171 37.0 30.5 45.7
170 24.4 19.9 29.9

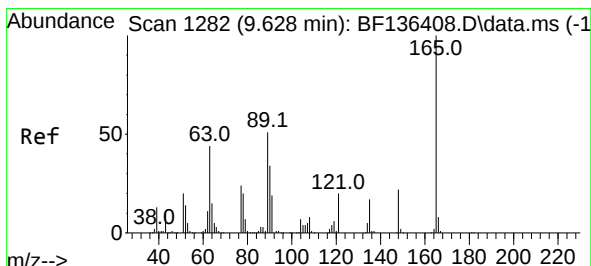
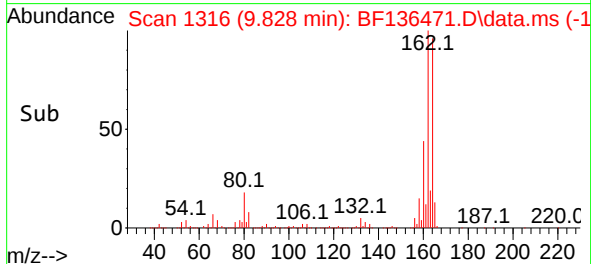
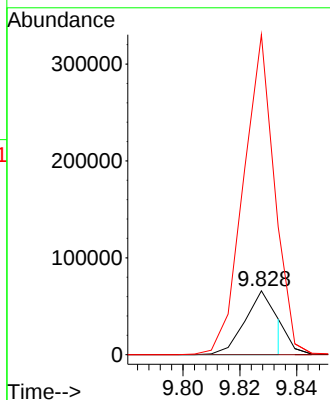
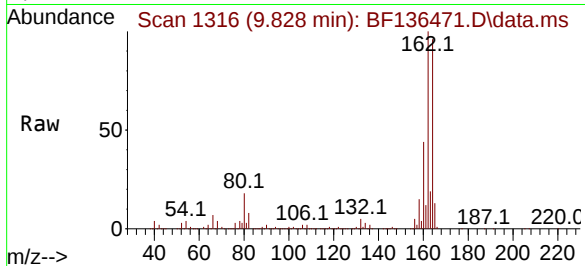




#50
Dimethylphthalate
Concen: 2.755 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

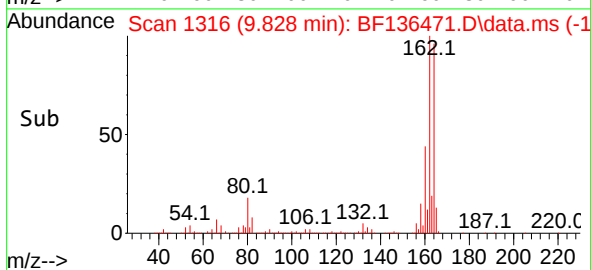
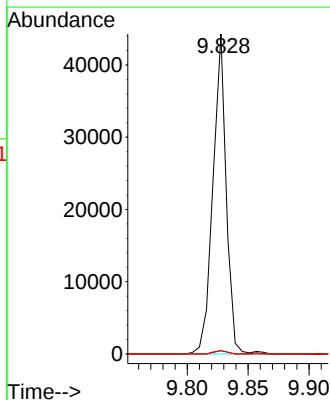
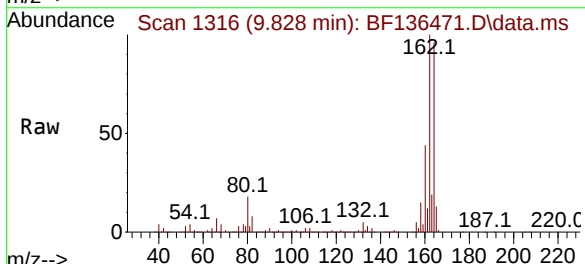
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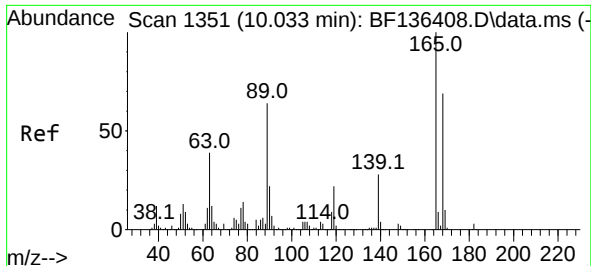
Tgt Ion:163 Resp: 51313
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 501.8 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 8.068 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion:165 Resp: 33811
Ion Ratio Lower Upper
165 100
63 1.0 40.4 60.6#
89 1.0 40.6 60.8#

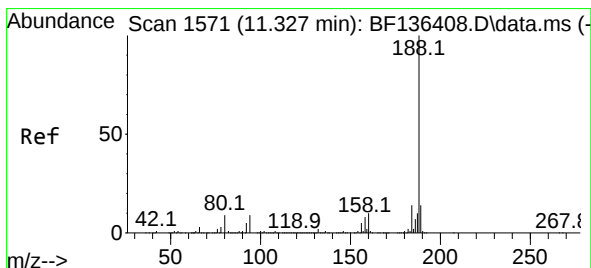
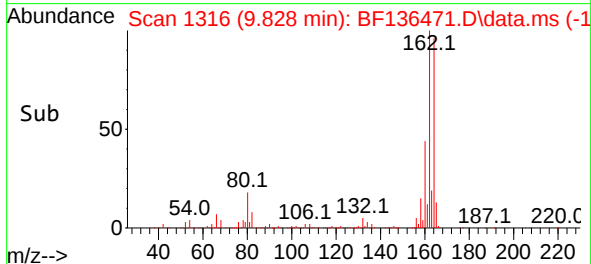
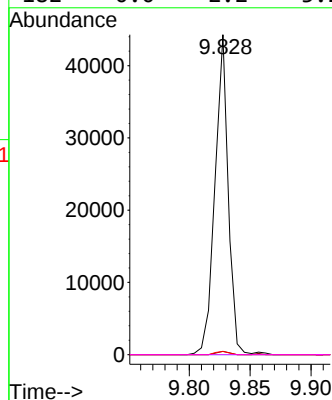
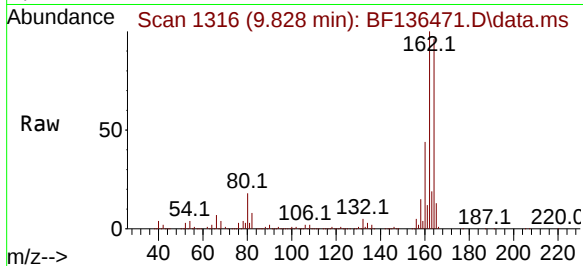




#57
2,4-Dinitrotoluene
Concen: 6.099 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

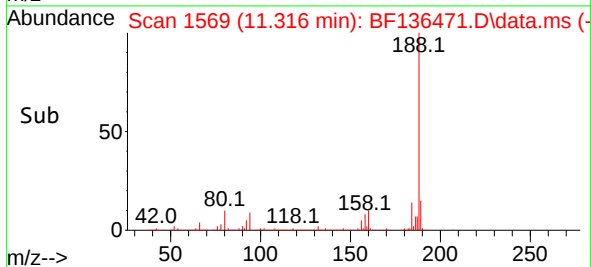
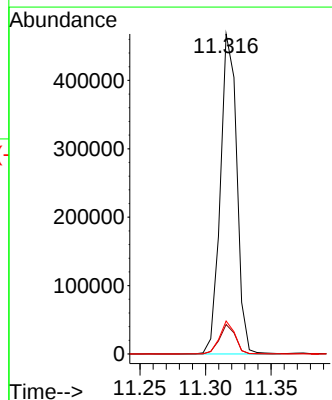
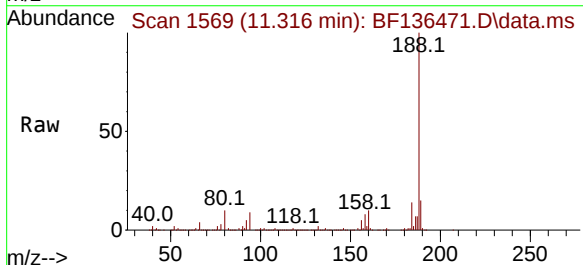
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

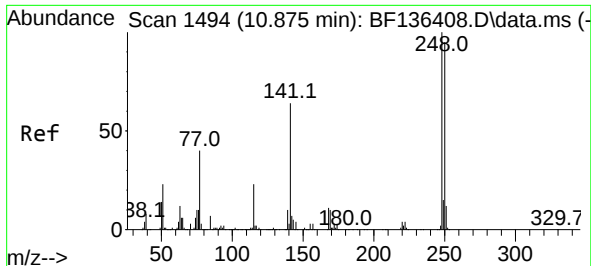
Tgt Ion:165 Resp: 33811
Ion Ratio Lower Upper
165 100
63 1.0 31.4 47.2#
89 1.0 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion:188 Resp: 407491
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 10.3 7.2 10.8

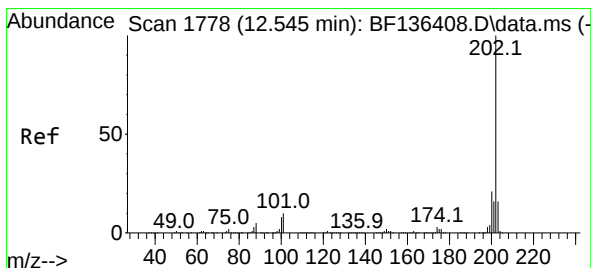
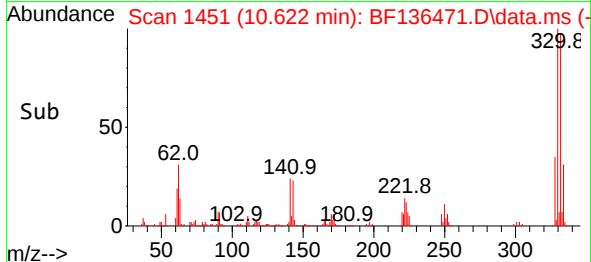
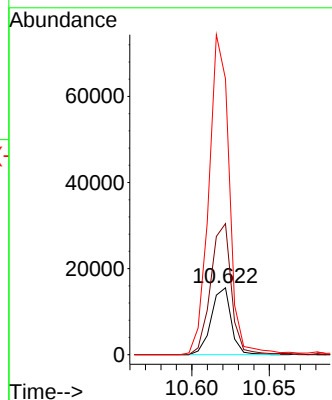
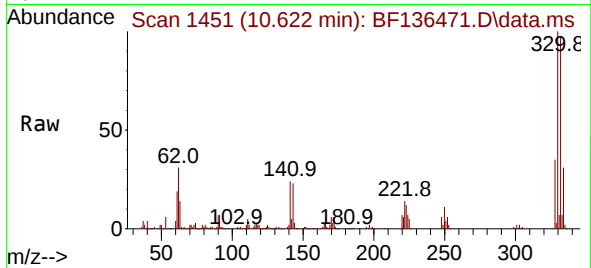




#67
4-Bromophenyl-phenylether
Concen: 2.930 ng
RT: 10.622 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

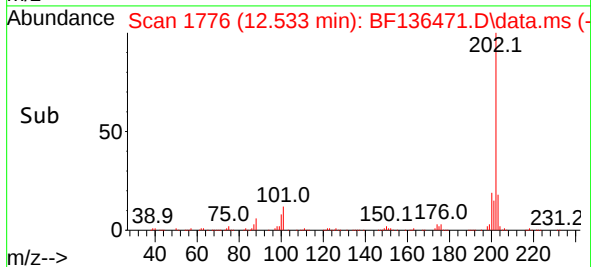
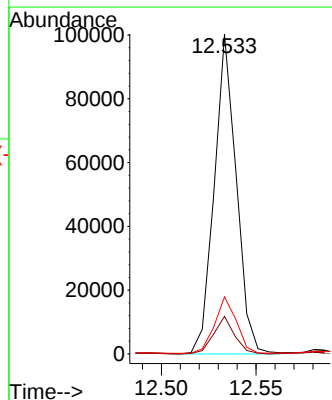
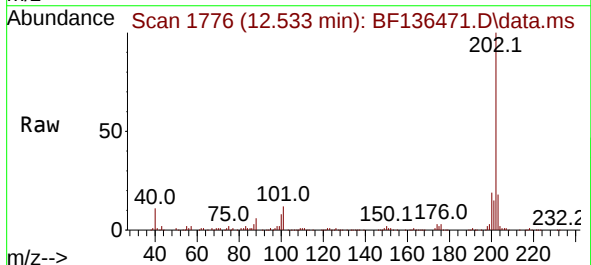
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-LKWD-DENALI-3

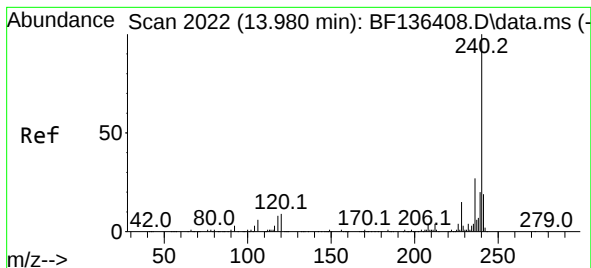
Tgt Ion:248 Resp: 13883
Ion Ratio Lower Upper
248 100
250 195.7 76.2 114.2#
141 412.2 51.0 76.4#



#75
Fluoranthene
Concen: 3.468 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.012 min
Lab File: BF136471.D
Acq: 08 Dec 2023 17:07

Tgt Ion:202 Resp: 81397
Ion Ratio Lower Upper
202 100
101 11.8 0.0 29.9
203 17.8 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-LKWD-DENALI-3

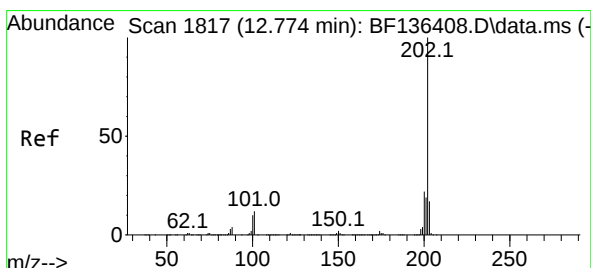
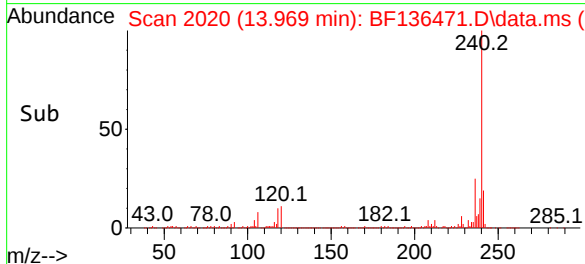
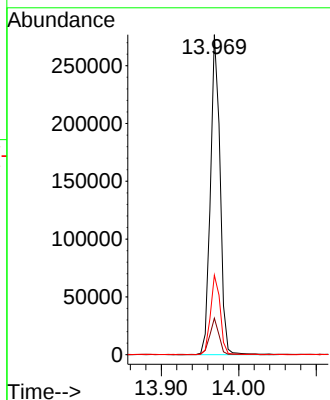
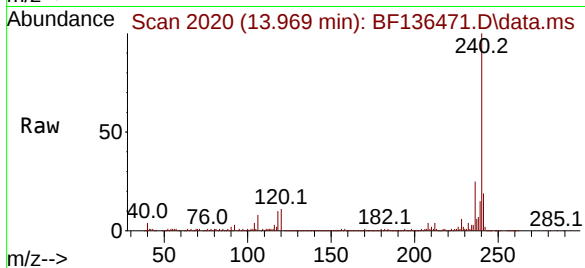
Tgt Ion:240 Resp: 238734

Ion Ratio Lower Upper

240 100

120 11.4 7.3 10.9#

236 24.9 21.3 31.9



#78

Pyrene

Concen: 3.833 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

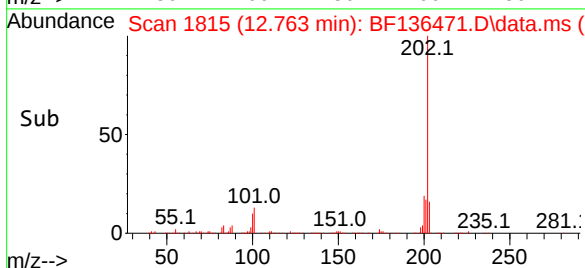
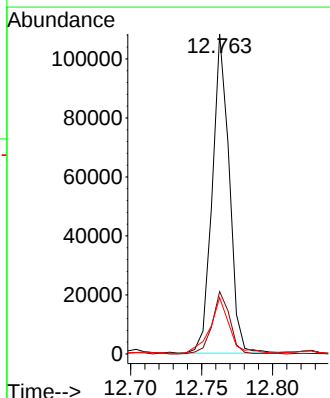
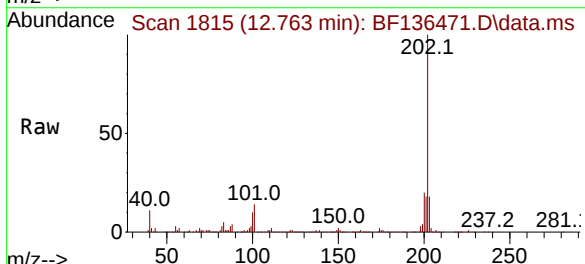
Tgt Ion:202 Resp: 89613

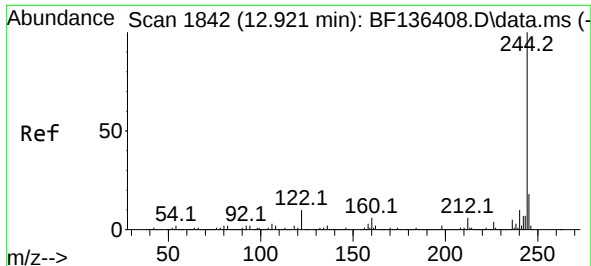
Ion Ratio Lower Upper

202 100

200 19.5 18.0 27.0

203 17.6 13.5 20.3

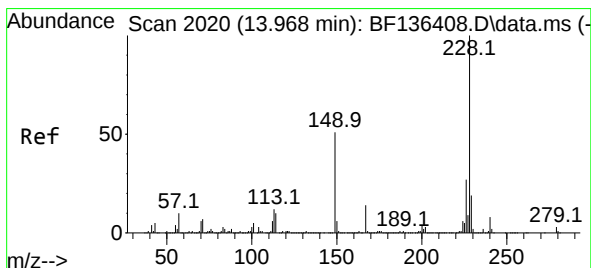
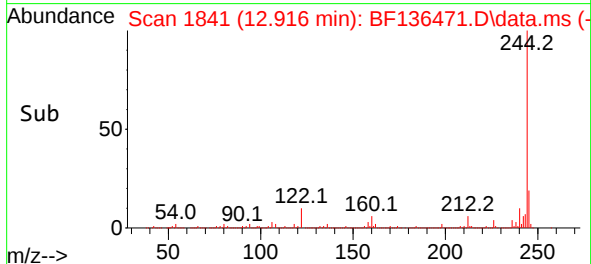
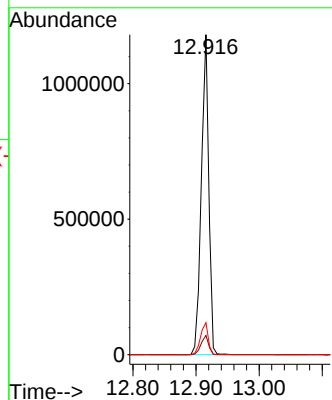
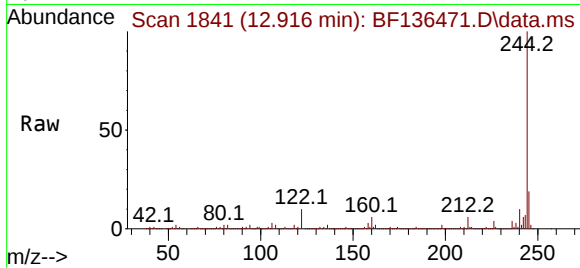




#79
 Terphenyl-d14
 Concen: 53.291 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136471.D
 Acq: 08 Dec 2023 17:07

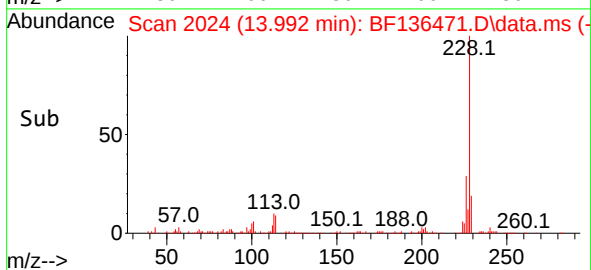
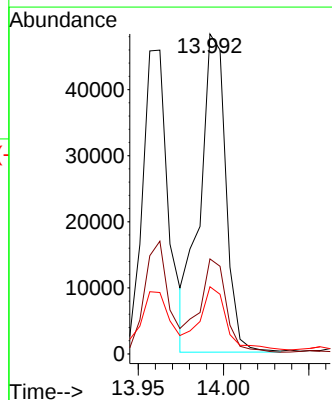
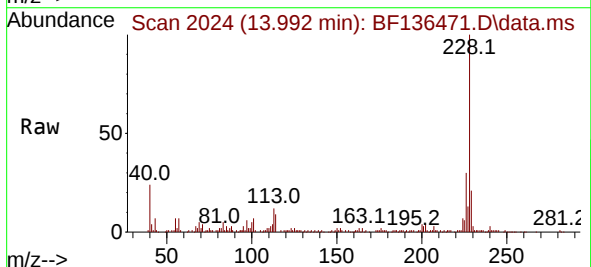
Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-LKWD-DENALI-3

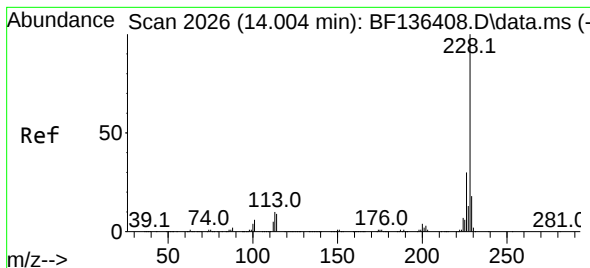
Tgt Ion:244 Resp: 965250
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 10.0 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 3.073 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. 0.024 min
 Lab File: BF136471.D
 Acq: 08 Dec 2023 17:07

Tgt Ion:228 Resp: 51094
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.8 32.8
 229 21.0 15.0 22.4





#83

Chrysene

Concen: 3.123 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136471.D

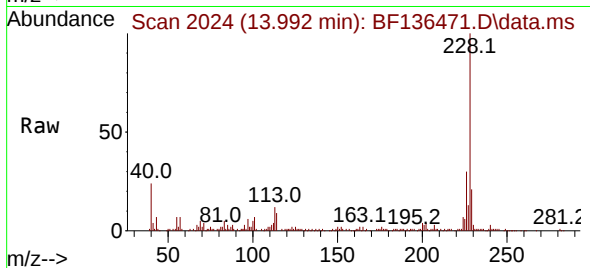
Acq: 08 Dec 2023 17:07

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-LKWD-DENALI-3



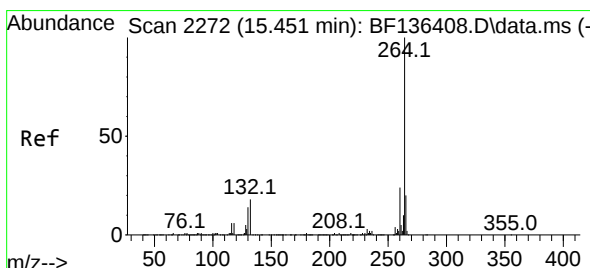
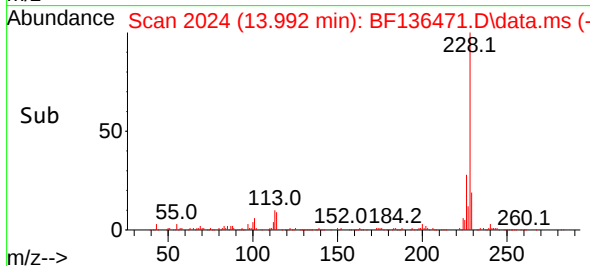
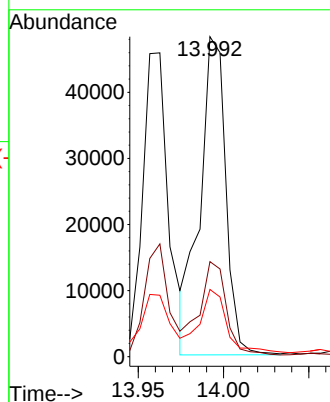
Tgt Ion:228 Resp: 51094

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 21.0 14.8 22.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.000 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

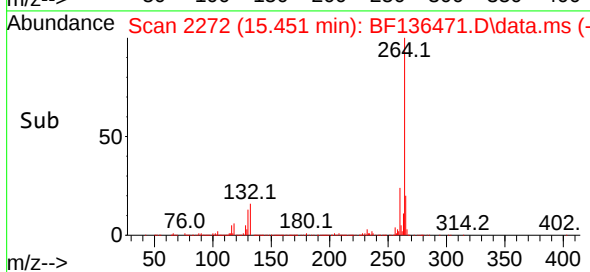
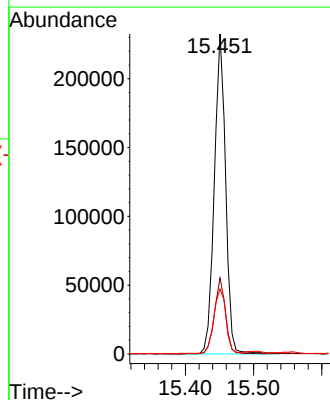
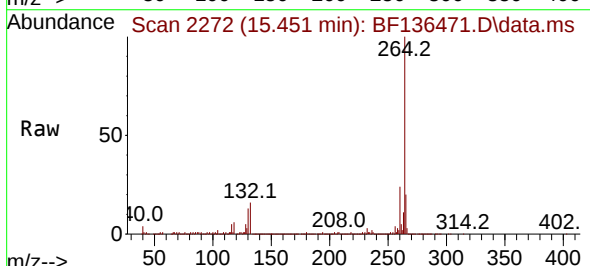
Tgt Ion:264 Resp: 268582

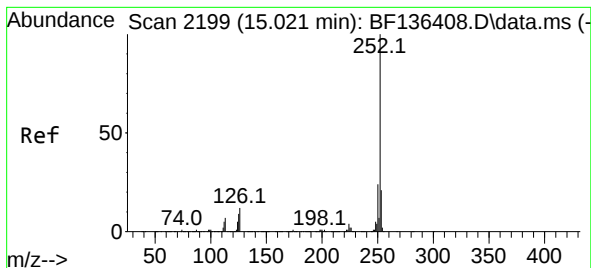
Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.3 15.9 23.9





#88

Benzo(b)fluoranthene

Concen: 5.340 ng

RT: 15.015 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-LKWD-DENALI-3

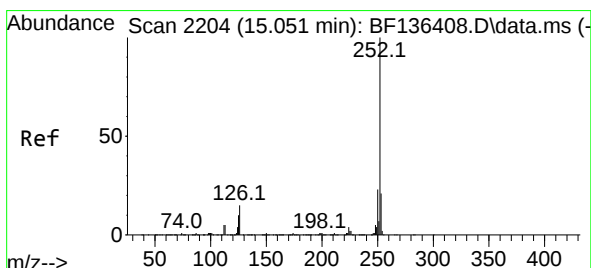
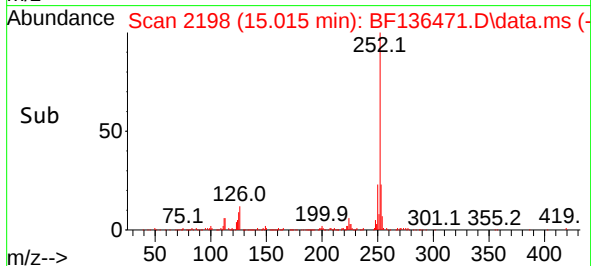
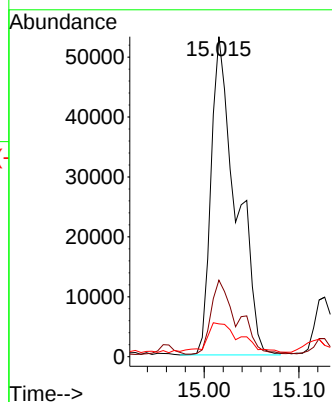
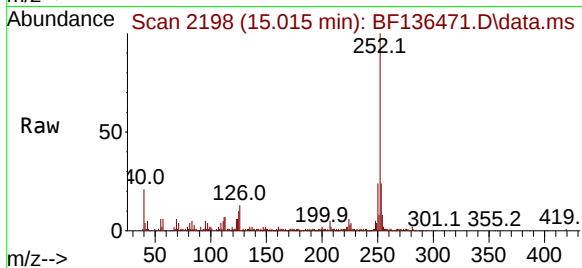
Tgt Ion:252 Resp: 98068

Ion Ratio Lower Upper

252 100

253 23.9 16.9 25.3

125 10.3 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 5.667 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

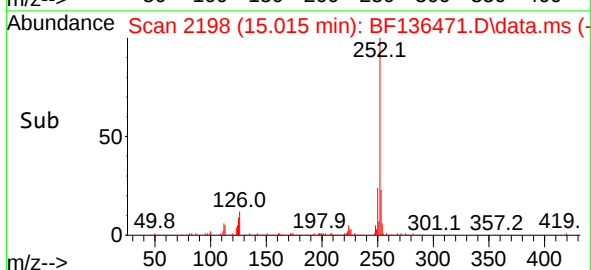
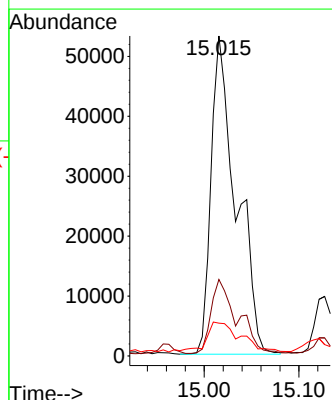
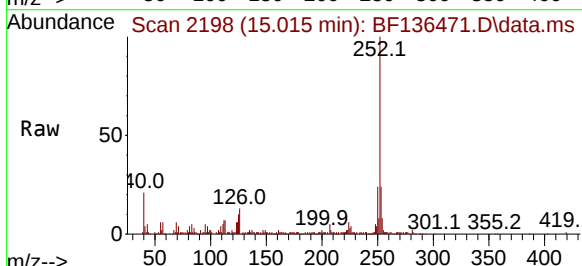
Tgt Ion:252 Resp: 98068

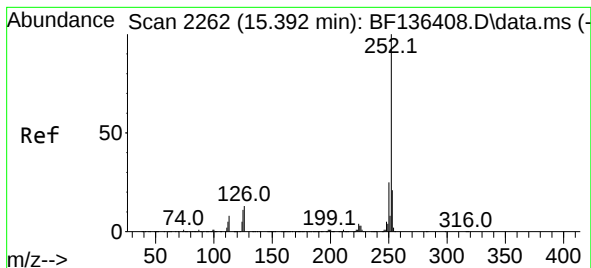
Ion Ratio Lower Upper

252 100

253 23.9 16.9 25.3

125 10.3 7.5 11.3





#90

Benzo(a)pyrene

Concen: 3.543 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-LKWD-DENALI-3

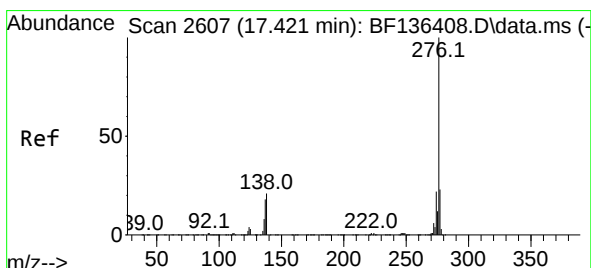
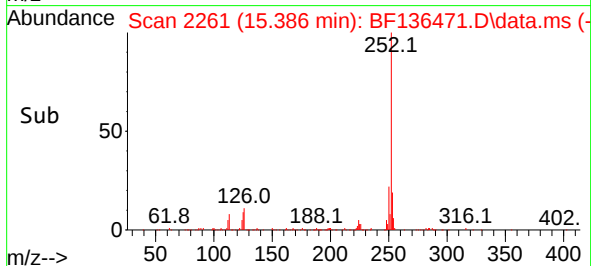
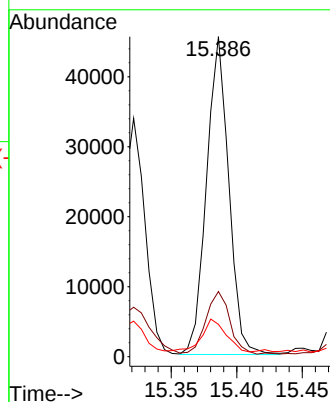
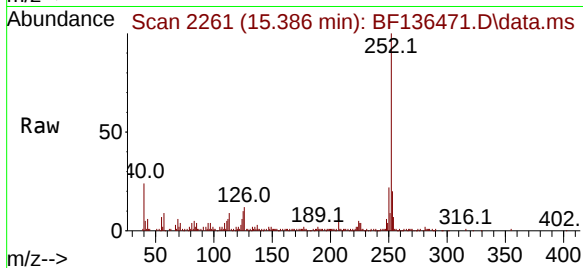
Tgt Ion:252 Resp: 53725

Ion Ratio Lower Upper

252 100

253 20.4 17.0 25.4

125 10.1 8.6 13.0



#92

Benzo(g,h,i)perylene

Concen: 2.145 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.023 min

Lab File: BF136471.D

Acq: 08 Dec 2023 17:07

Tgt Ion:276 Resp: 33652

Ion Ratio Lower Upper

276 100

277 22.6 18.7 28.1

138 21.7 16.6 25.0

