

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/13/2023

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
75) Fluoranthene	12.504	202	78134	5.472	ng	100
78) Pyrene	12.733	202	80002	4.252	ng	99
81) Benzo(a)anthracene	13.933	228	46808m	3.668	ng	
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	69317m	6.777	ng	
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

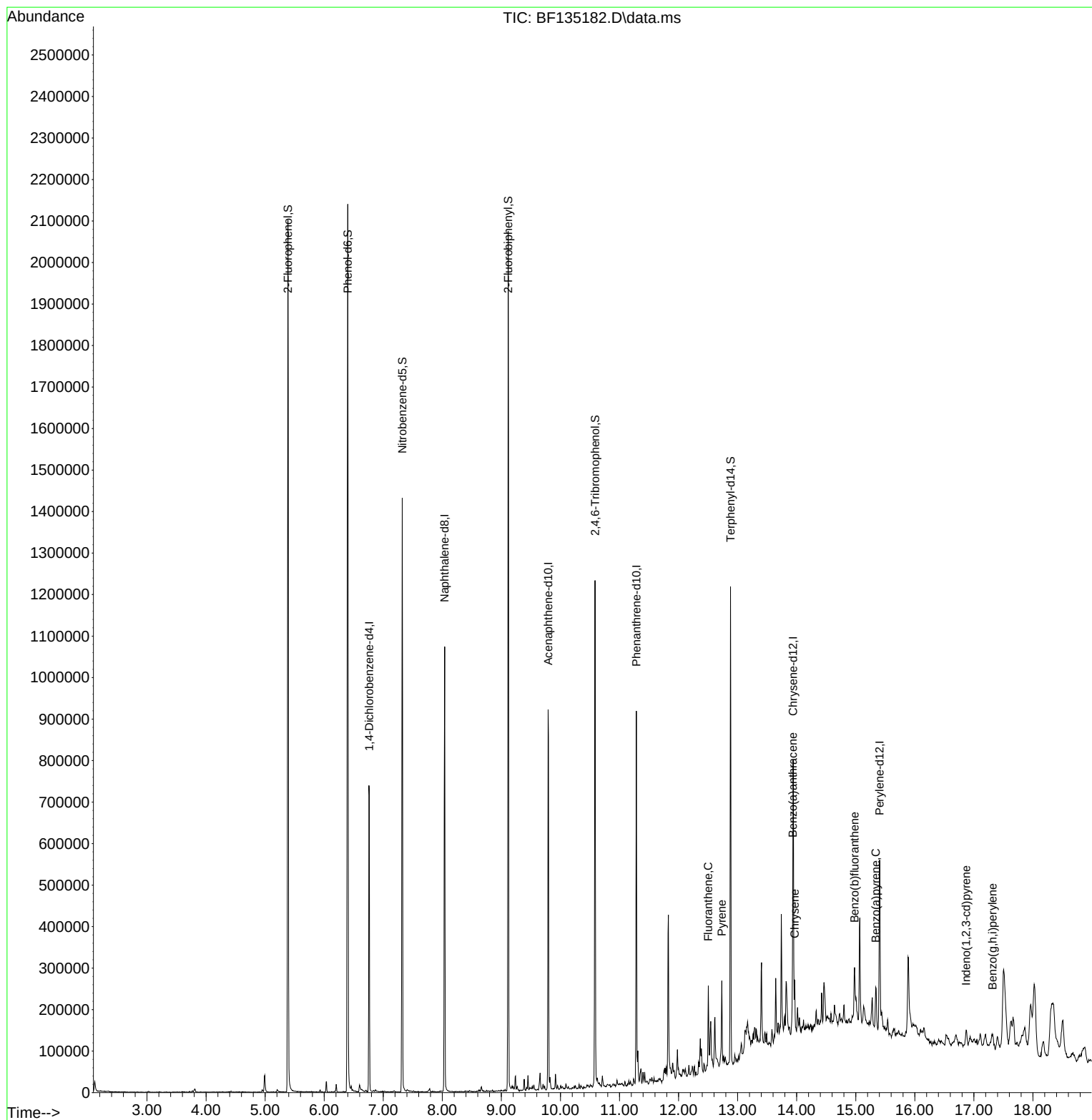
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135182.D
Acq On : 12 Sep 2023 15:23
Operator : CG\JU
Sample : 04212-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

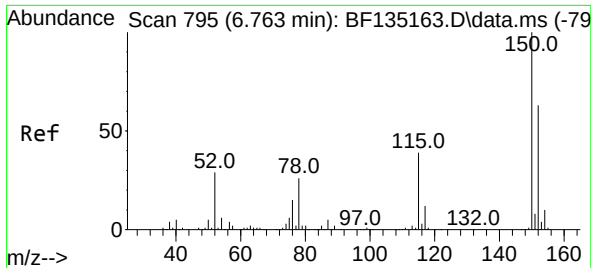
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3

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

Manual Integrations
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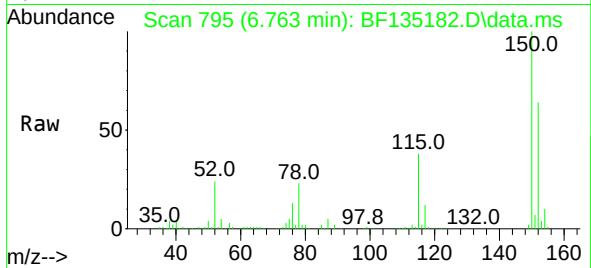
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/13/2023





#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

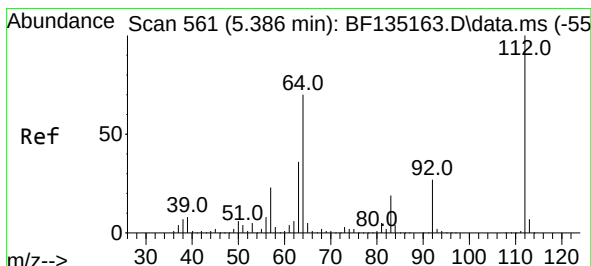
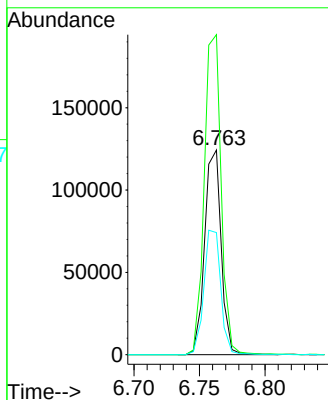
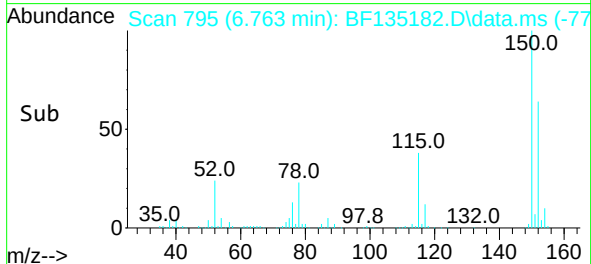
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3



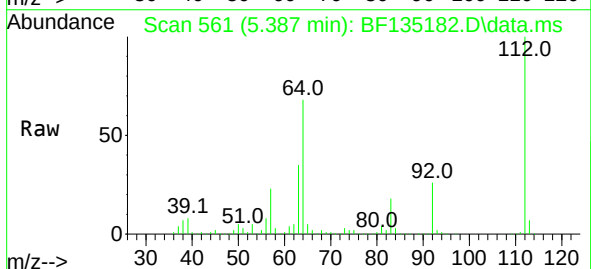
Tgt Ion:152 Resp: 109390
Ion Ratio Lower Upper
152 100
150 156.4 127.8 191.6
115 59.6 49.8 74.8

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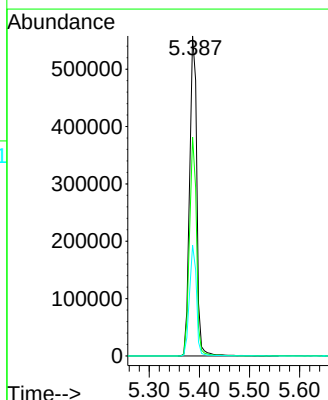
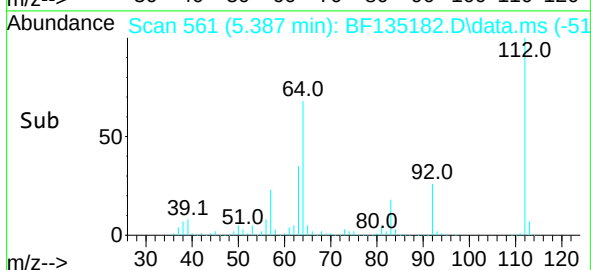
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/13/2023

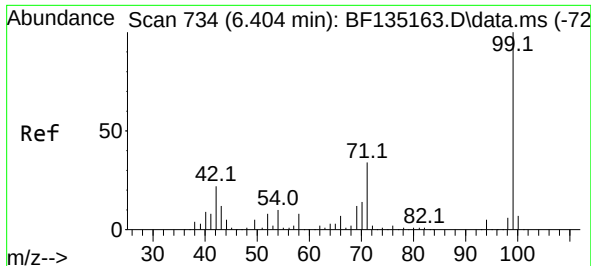


#5
2-Fluorophenol
Concen: 82.989 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23



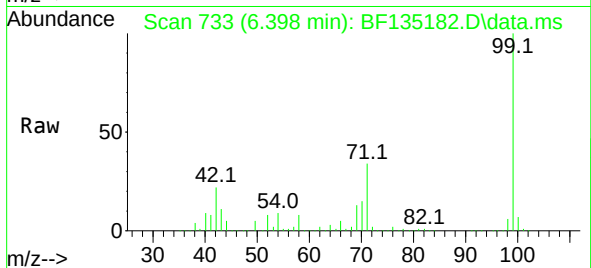
Tgt Ion:112 Resp: 558161
Ion Ratio Lower Upper
112 100
64 68.4 55.9 83.9
63 34.6 29.0 43.6





#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

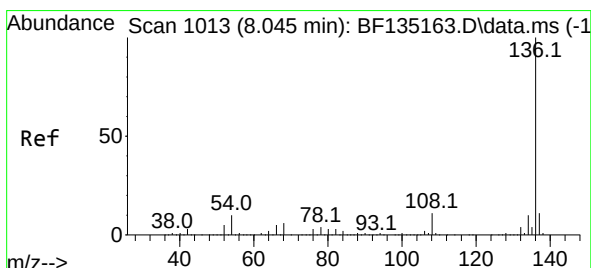
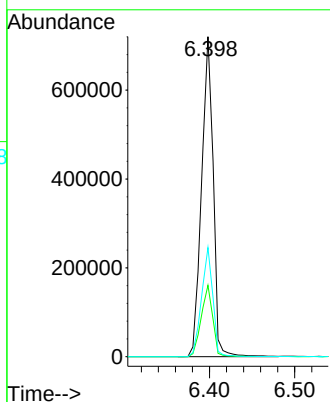
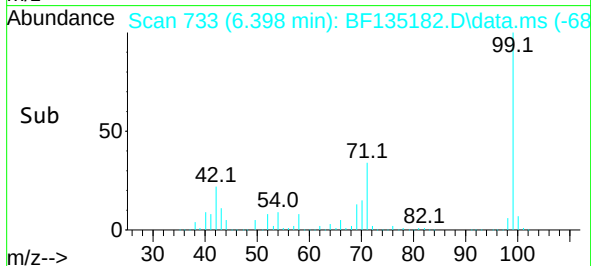
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3



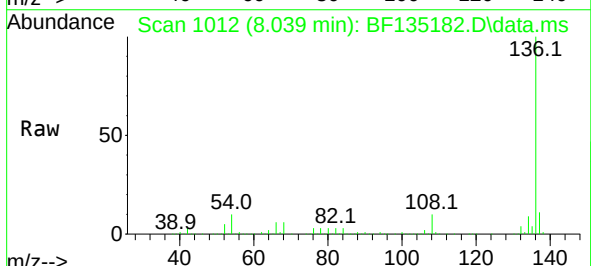
Tgt Ion: 99 Resp: 68148
Ion Ratio Lower Upper
99 100
42 22.3 17.9 26.9
71 34.1 27.0 40.6

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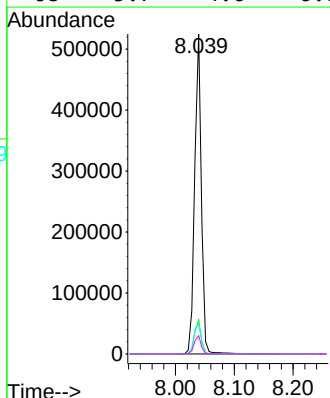
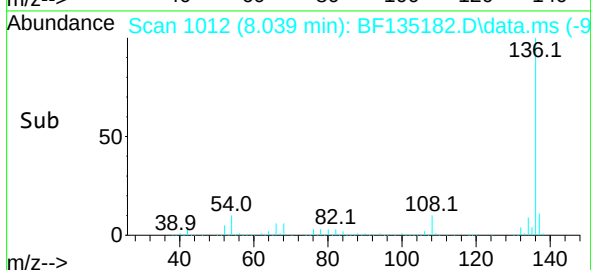
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/13/2023

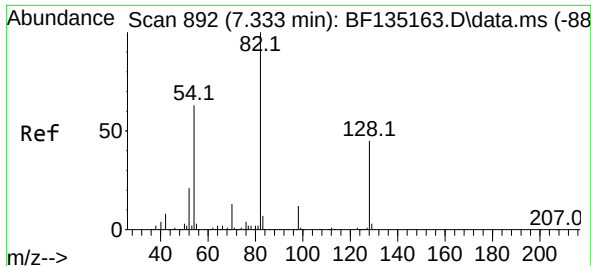


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23



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# 89

Delta R.T. -0.012 min

Lab File: BF135182.D

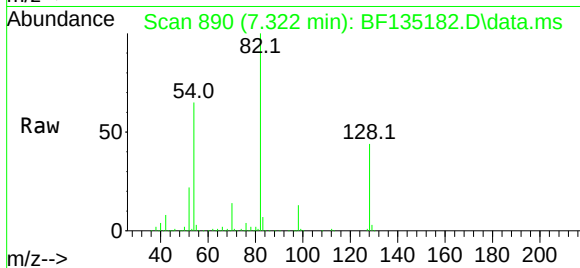
Acq: 12 Sep 2023 15:23

Instrument :

BNA_F

ClientSampleId :

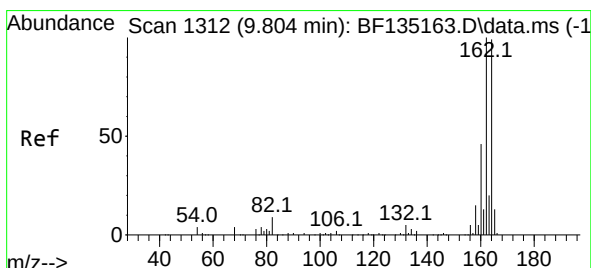
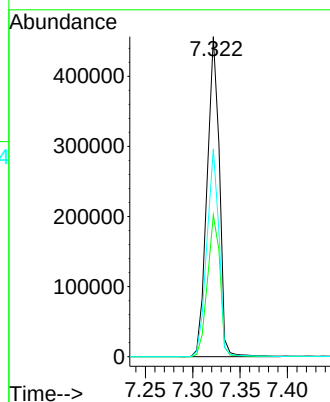
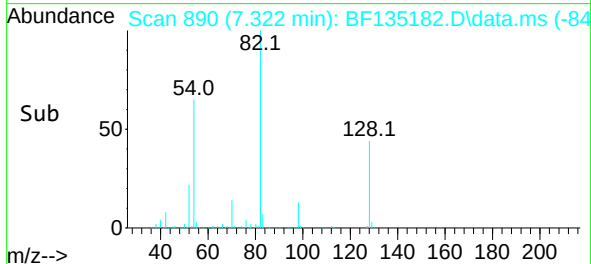
TOPSOIL-OU3-DENALI-3



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

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Supervised By :mohammad ahmed 09/13/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

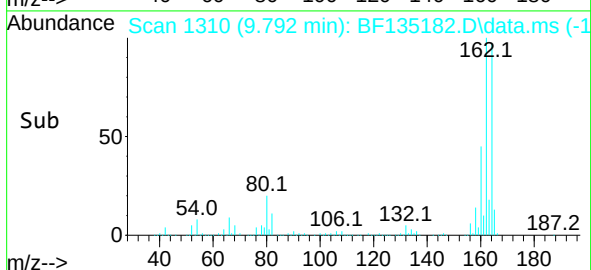
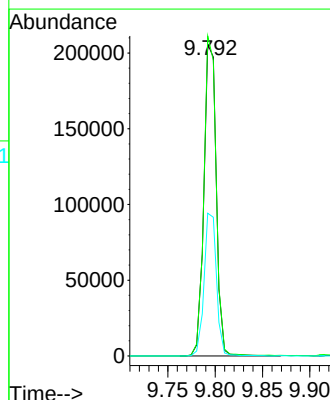
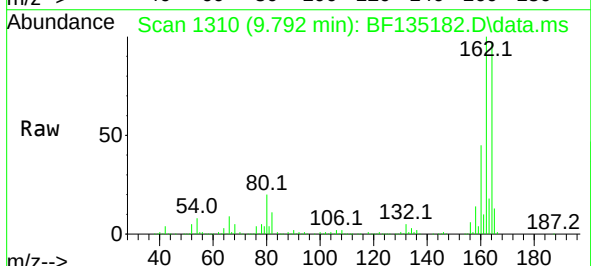
RT: 9.792 min Scan# 1310

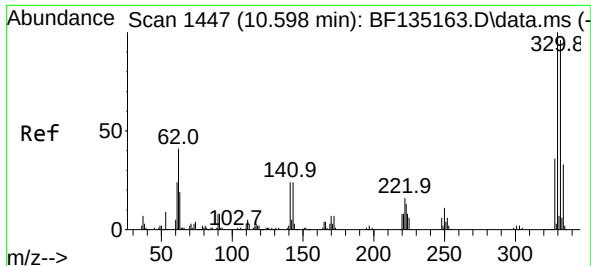
Delta R.T. -0.012 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

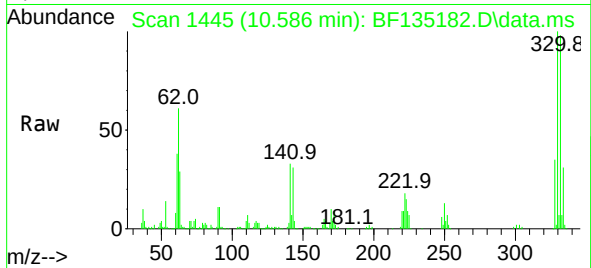
Tgt Ion:	164	Resp:	187582
Ion Ratio	Lower	Upper	
164	100		
162	102.6	81.0	121.4
160	45.8	37.0	55.4





#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

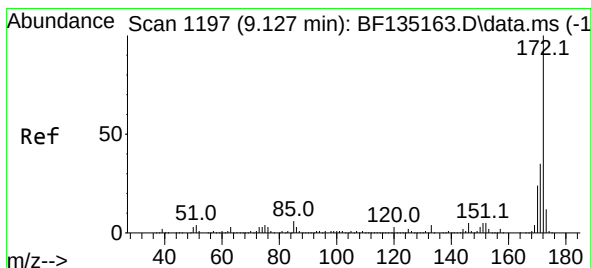
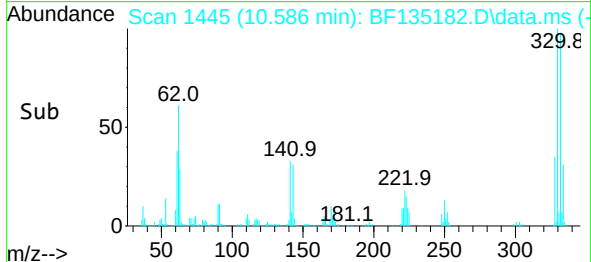
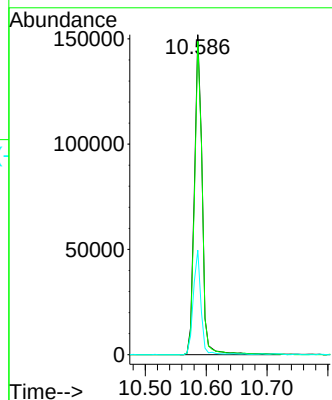
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3



Tgt Ion: 330 Resp: 13415
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 32.0 25.8 38.8

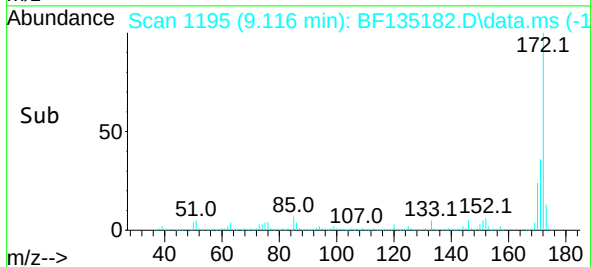
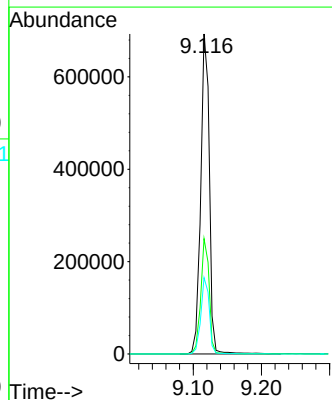
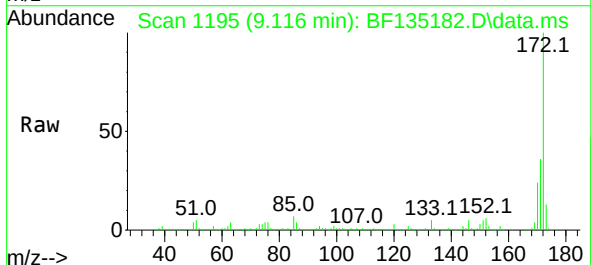
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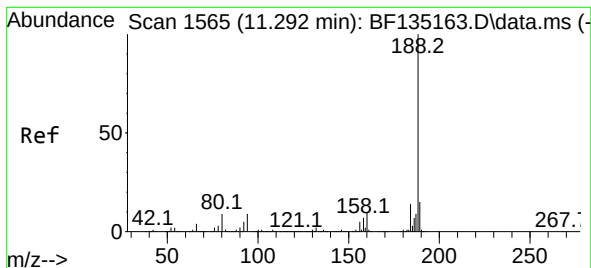
Reviewed By : Yogesh Patel 09/13/2023
Supervised By : mohammad ahmed 09/13/2023



#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





#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: 28976

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

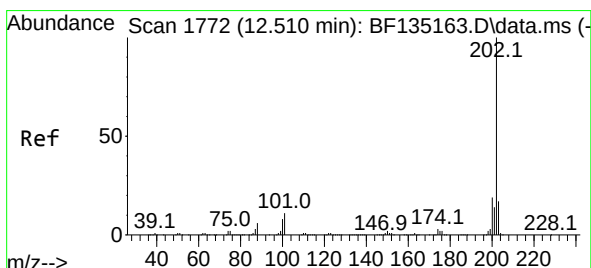
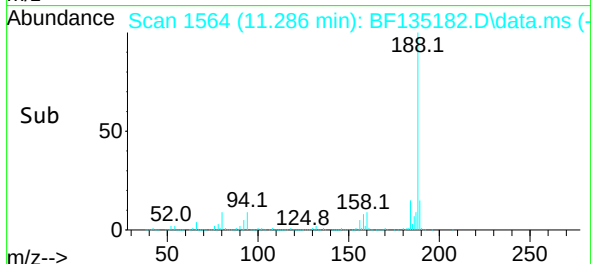
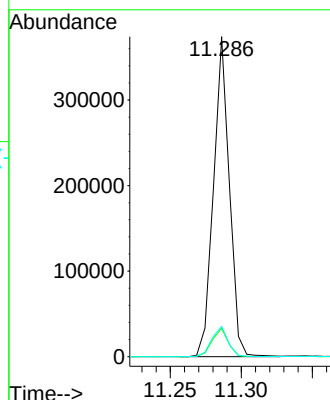
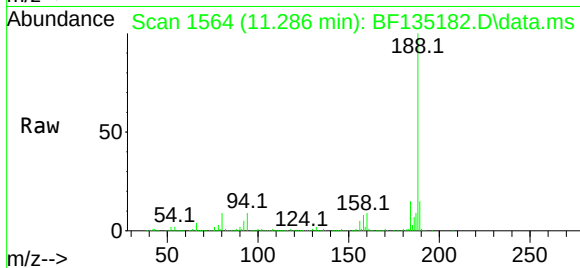
80 9.5 7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/13/2023



#75

Fluoranthene

Concen: 5.472 ng

RT: 12.504 min Scan# 1771

Delta R.T. -0.006 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

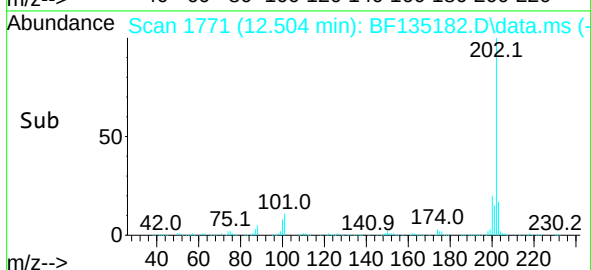
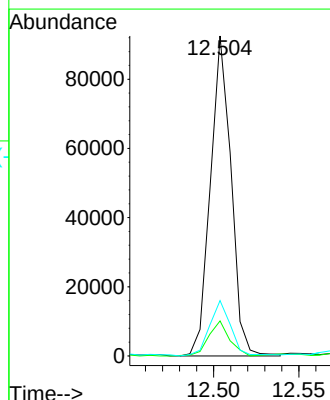
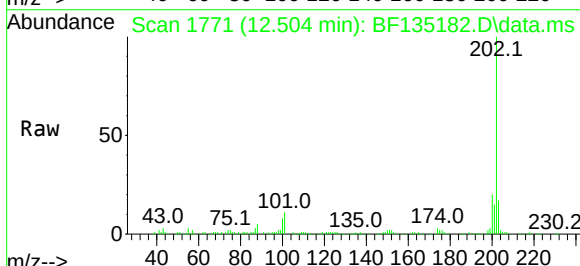
Tgt Ion:202 Resp: 78134

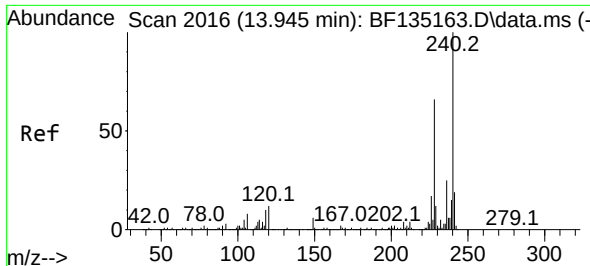
Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.3

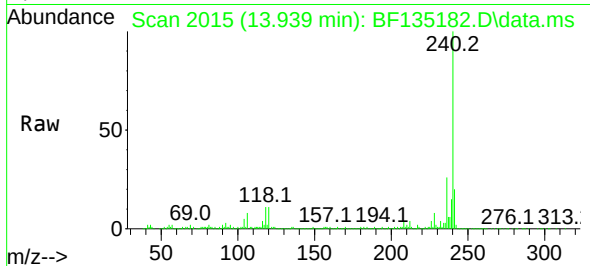
203 17.3 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135182.D
Acq: 12 Sep 2023 15:23

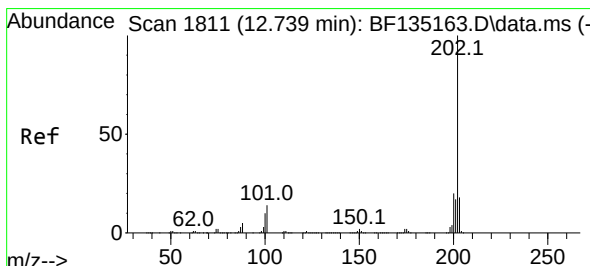
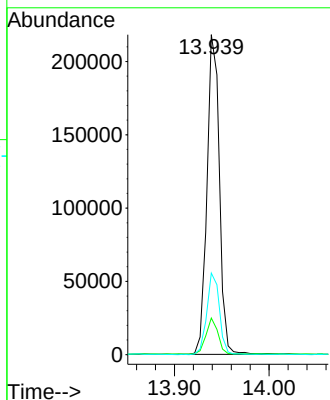
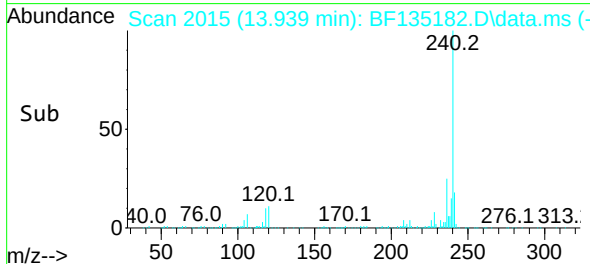
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-3



Tgt Ion:240 Resp: 19763
Ion Ratio Lower Upper
240 100
120 11.5 9.4 14.2
236 25.5 19.8 29.8

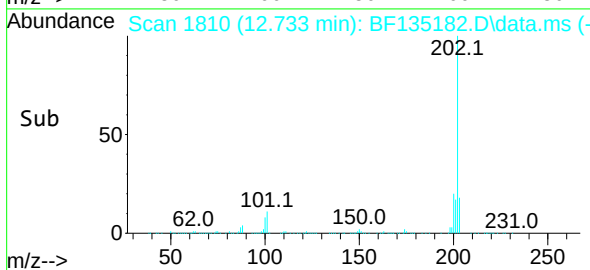
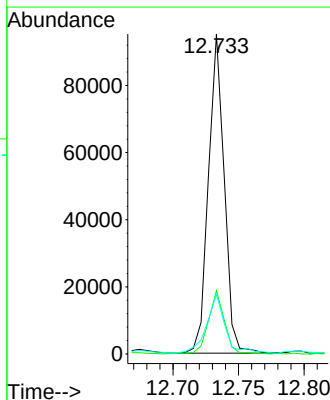
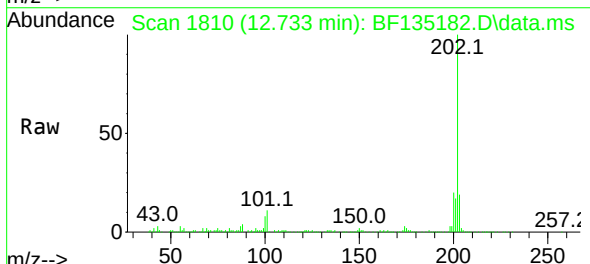
Manual Integrations
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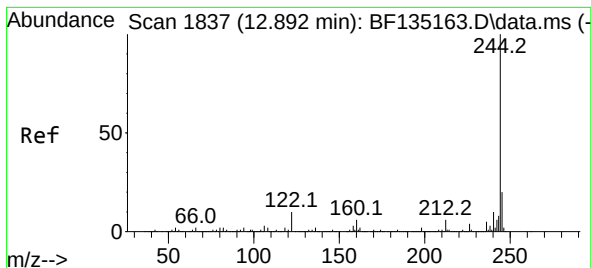
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/13/2023



#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

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

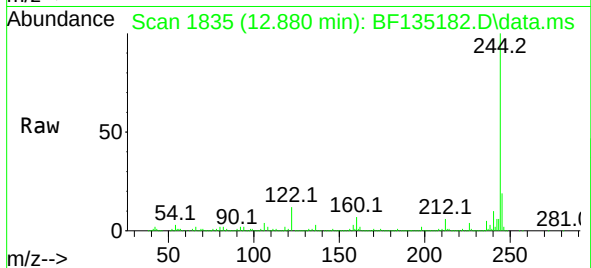
Acq: 12 Sep 2023 15:23

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3



Tgt Ion:244 Resp: 368670

Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

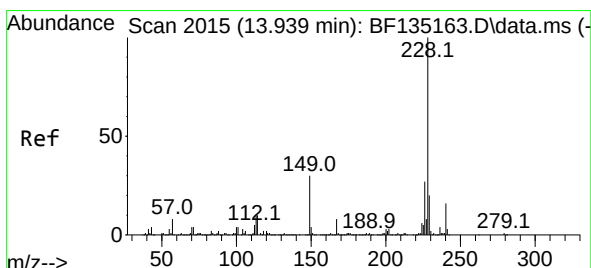
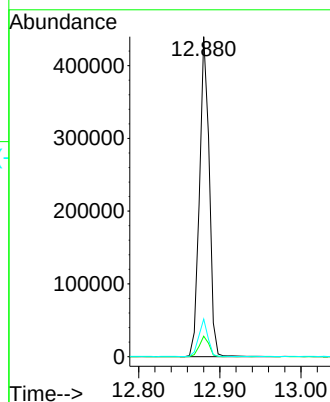
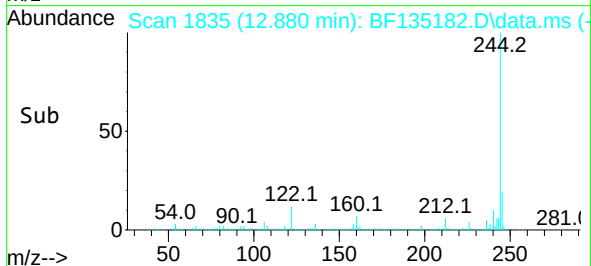
122 11.8 7.9 11.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/13/2023



#81

Benzo(a)anthracene

Concen: 3.668 ng m

RT: 13.933 min Scan# 2014

Delta R.T. -0.006 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

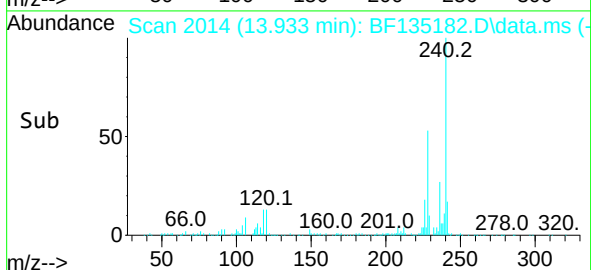
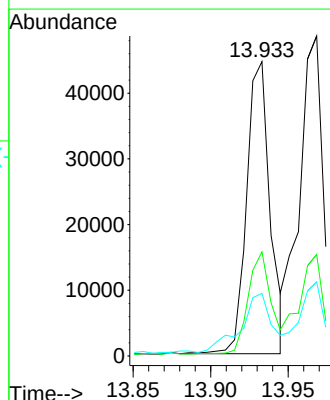
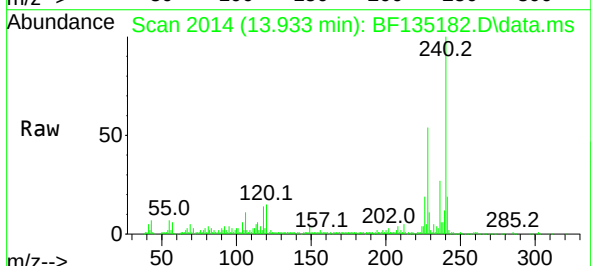
Tgt Ion:228 Resp: 46808

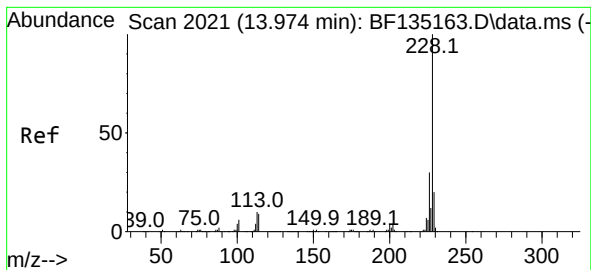
Ion Ratio Lower Upper

228 100

226 35.4 21.7 32.5#

229 21.3 15.8 23.8





#83

Chrysene

Concen: 4.095 ng

RT: 13.968 min Scan# 2021

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:228 Resp: 5196

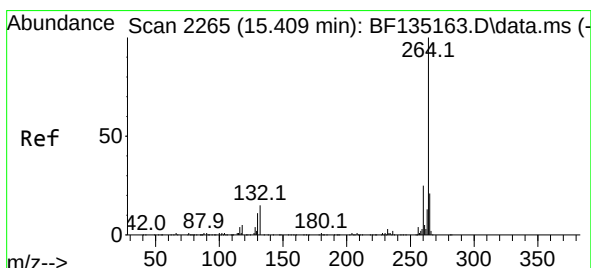
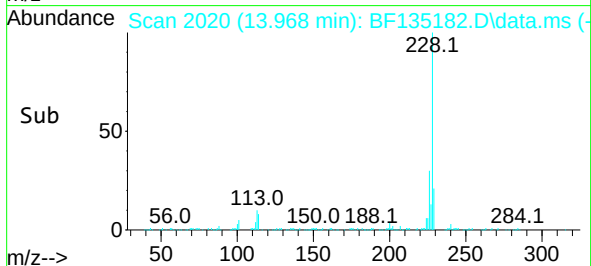
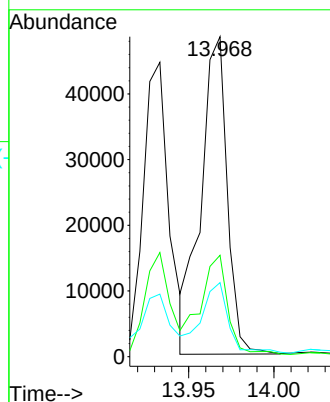
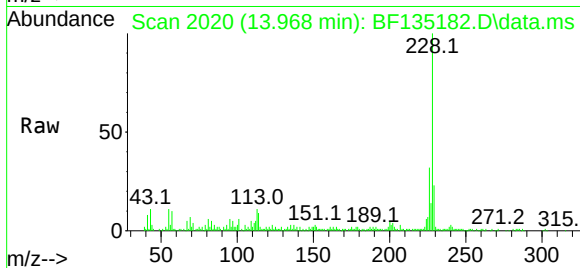
Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.3	36.5
229	23.2	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/13/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

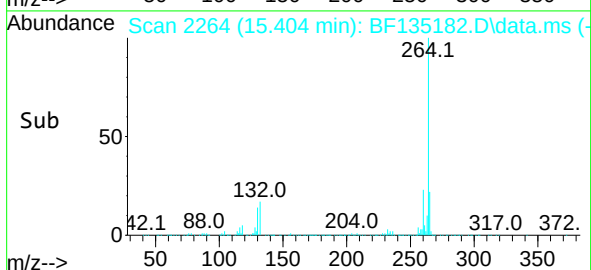
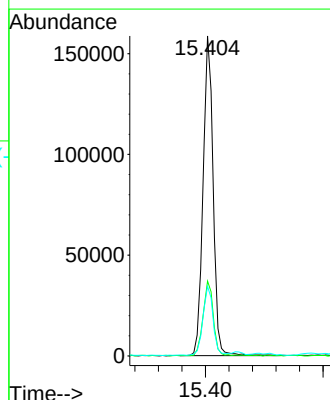
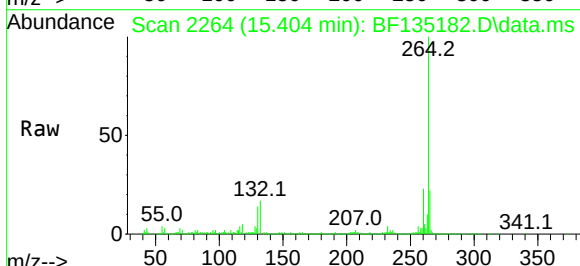
Delta R.T. -0.006 min

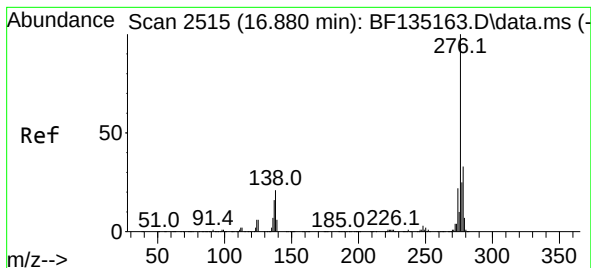
Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

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# 2113

Delta R.T. -0.012 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-OU3-DENALI-3

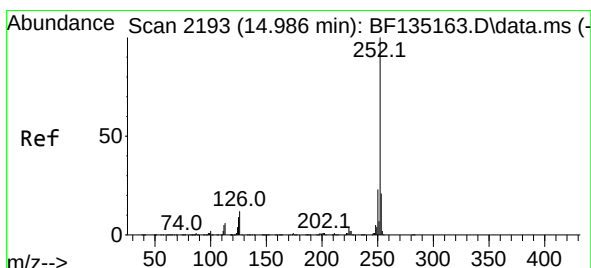
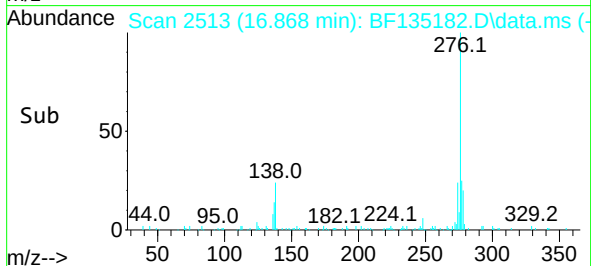
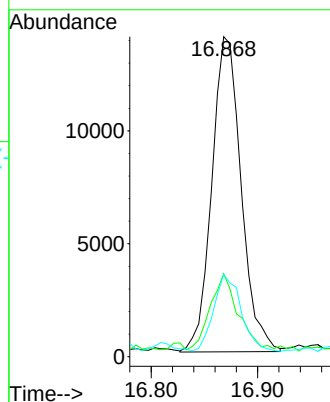
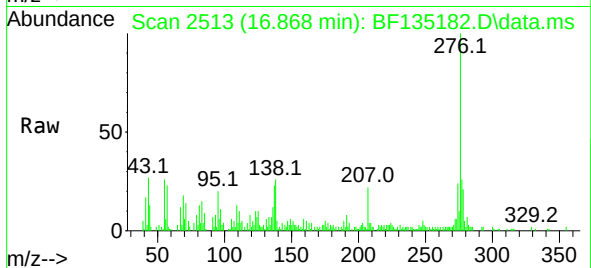
Tgt Ion:	276	Resp:	2670
Ion Ratio	Lower	Upper	
276	100		
138	23.1	19.2	28.8
277	22.7	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/13/2023



#88

Benzo(b)fluoranthene

Concen: 6.777 ng m

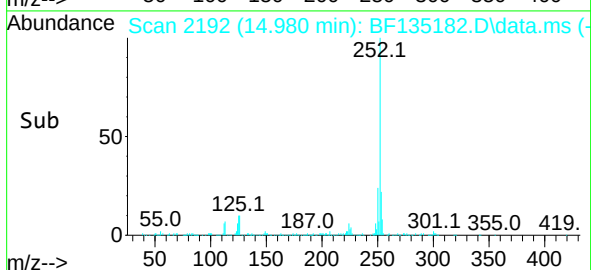
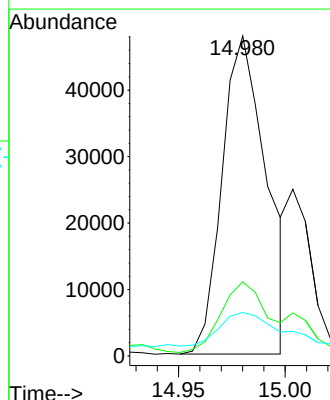
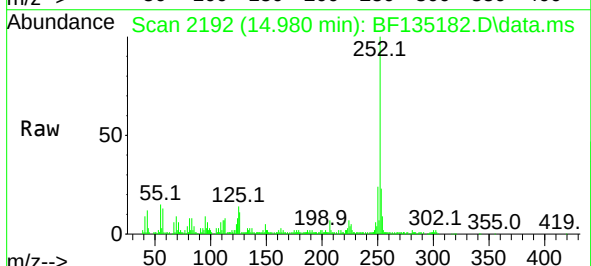
RT: 14.980 min Scan# 2192

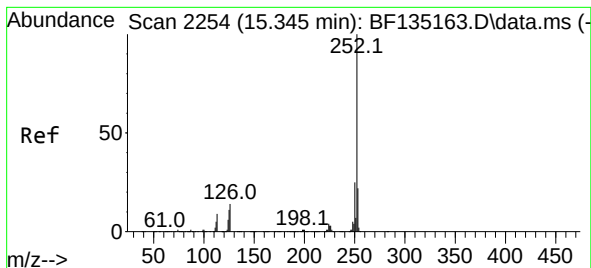
Delta R.T. -0.006 min

Lab File: BF135182.D

Acq: 12 Sep 2023 15:23

Tgt Ion:	252	Resp:	69317
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.2	25.8
125	13.6	7.1	10.7#





#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

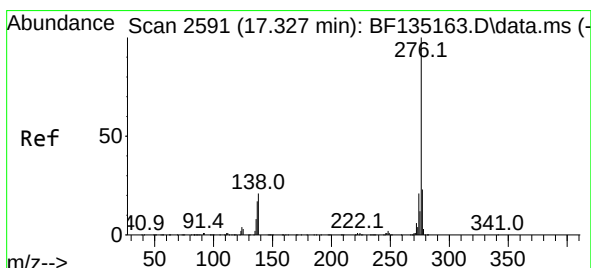
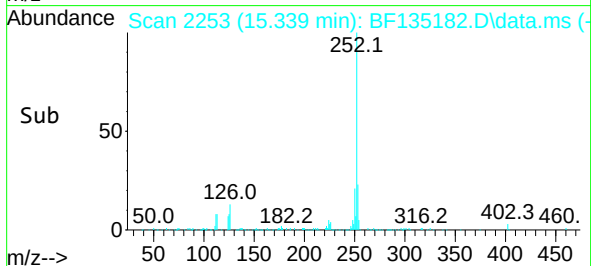
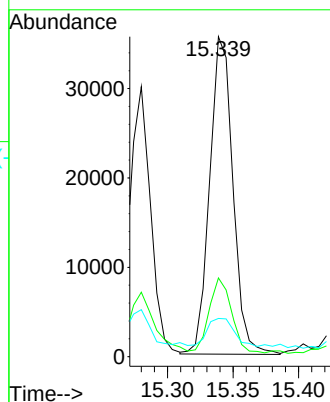
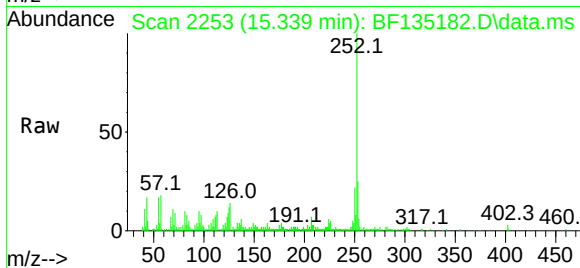
Tgt Ion:252 Resp: 43810
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.5 26.3
 125 12.0 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/13/2023



#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

