

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134628.D
 Acq On : 04 Aug 2023 12:45
 Operator : CG\JU
 Sample : 03854-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BERGENFIELD-SOIL-COMPRE

Quant Time: Aug 05 00:05:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/07/2023
 Supervised By :mohammad ahmed 08/07/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	171806	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	650271	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	284814	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	416458	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	380550	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	331293	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1045694	92.521	ng	0.00
7) Phenol-d6	6.434	99	1304813	90.312	ng	0.00
23) Nitrobenzene-d5	7.357	82	773498	74.335	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	261531	90.077	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1338249	78.125	ng	0.00
79) Terphenyl-d14	12.916	244	1188035	55.035	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.533	202	130805	5.598	ng	98
78) Pyrene	12.763	202	127440	3.870	ng	98
81) Benzo(a)anthracene	13.957	228	82855	3.045	ng	97
83) Chrysene	13.992	228	81197	3.063	ng	97
88) Benzo(b)fluoranthene	15.004	252	106438m	5.268	ng	
90) Benzo(a)pyrene	15.368	252	60259	3.199	ng	# 94

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

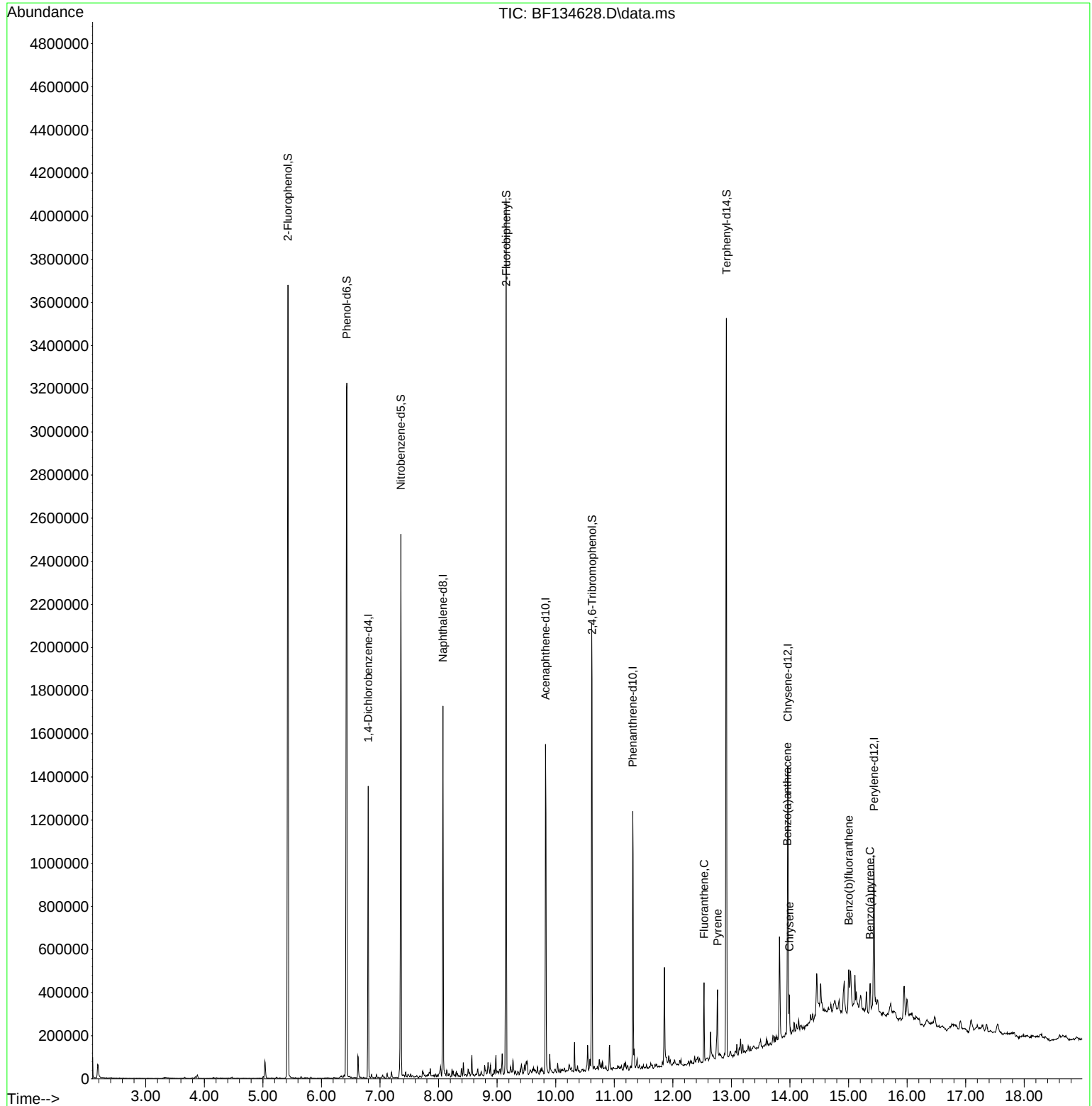
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134628.D
Acq On : 04 Aug 2023 12:45
Operator : CG\JU
Sample : 03854-01RE
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

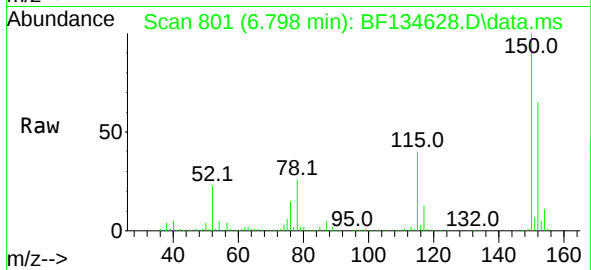
Quant Time: Aug 05 00:05:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

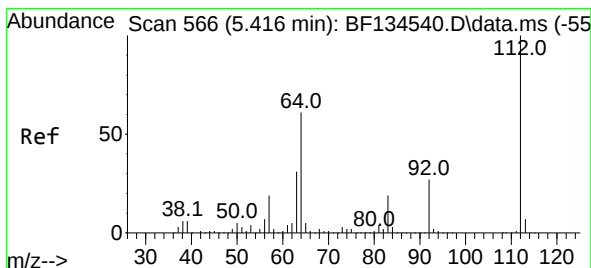
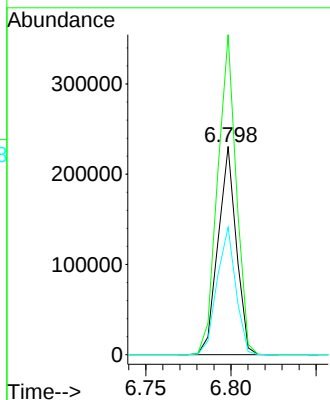
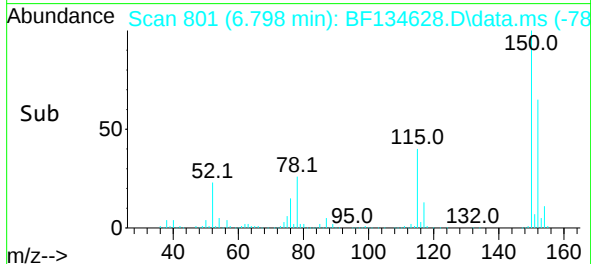
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMP



Tgt Ion:152 Resp: 171800
Ion Ratio Lower Upper
152 100
150 153.7 128.3 192.5
115 61.3 52.4 78.6

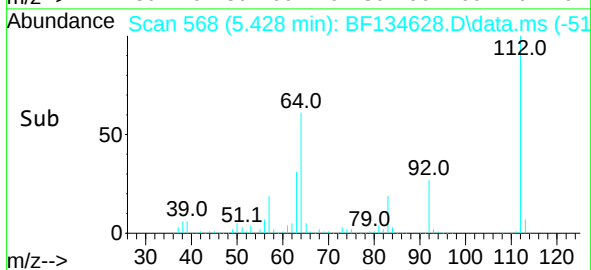
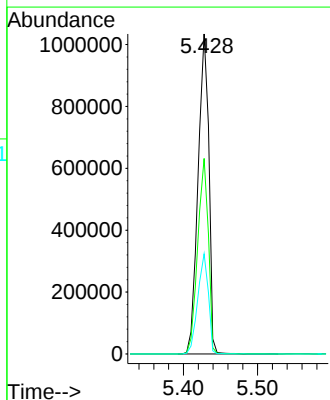
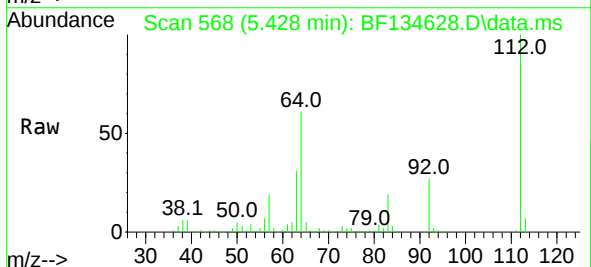
Manual Integrations
APPROVED

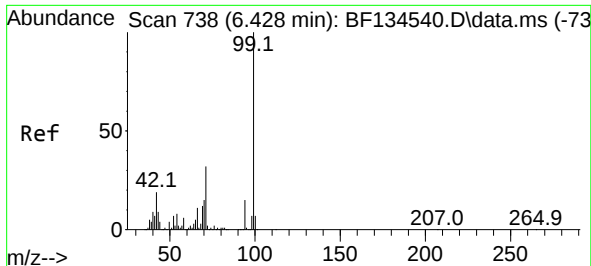
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#5
2-Fluorophenol
Concen: 92.521 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

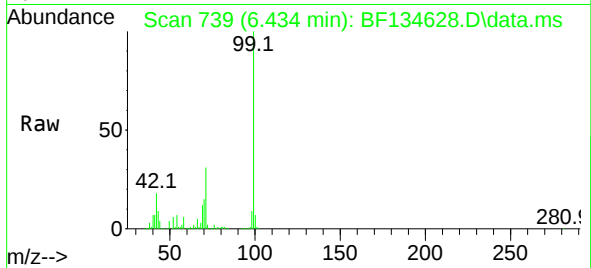
Tgt Ion:112 Resp: 1045694
Ion Ratio Lower Upper
112 100
64 61.1 44.9 67.3
63 31.3 25.4 38.0





#7
Phenol-d6
Concen: 90.312 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

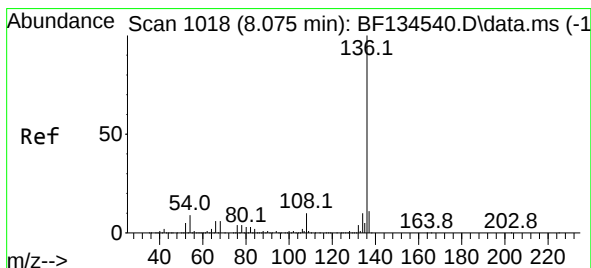
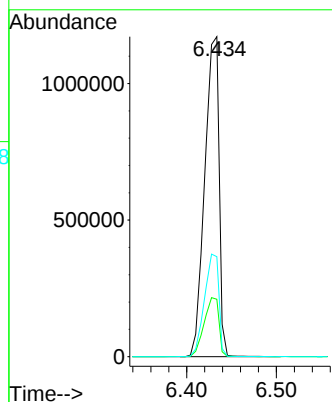
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE



Tgt Ion: 99 Resp: 130481
Ion Ratio Lower Upper
99 100
42 17.9 18.7 28.1
71 31.3 36.4 54.6

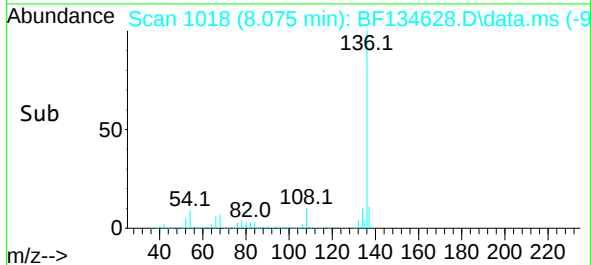
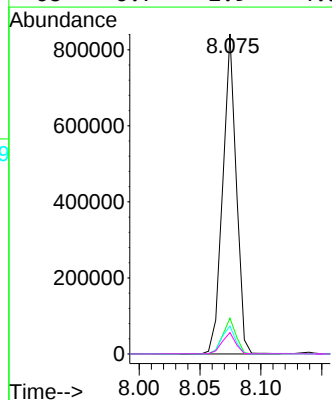
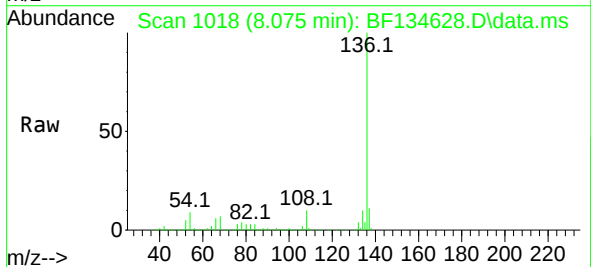
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

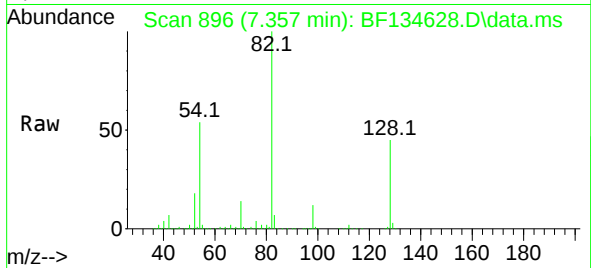
Tgt Ion:136 Resp: 650271
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.7 5.2 7.8#
68 6.7 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 74.335 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

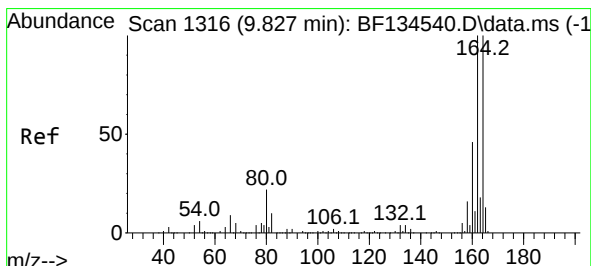
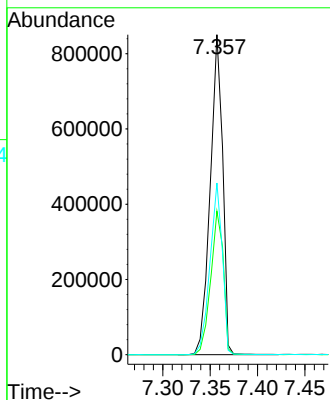
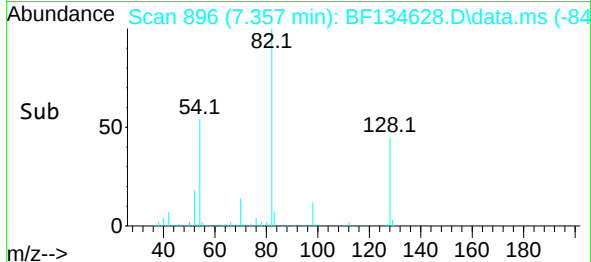
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE



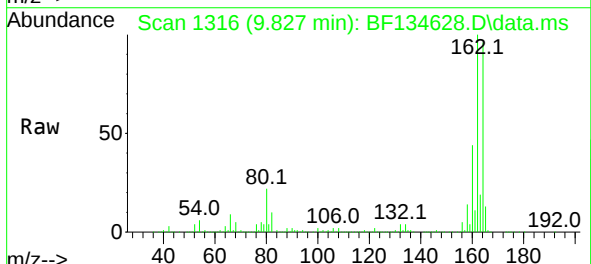
Tgt Ion: 82 Resp: 773498
Ion Ratio Lower Upper
82 100
128 44.8 34.3 51.5
54 53.7 43.8 65.6

Manual Integrations
APPROVED

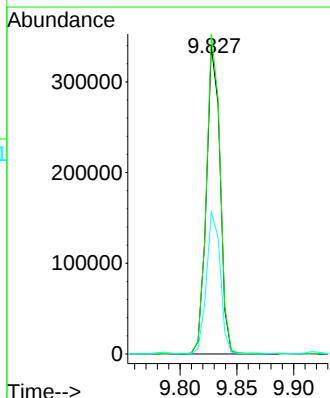
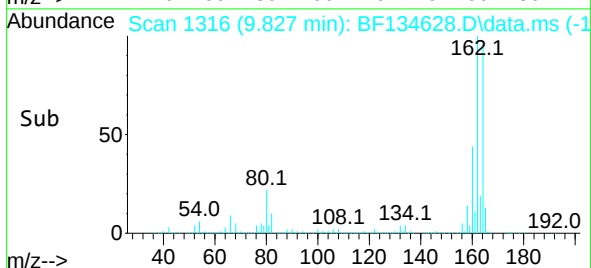
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

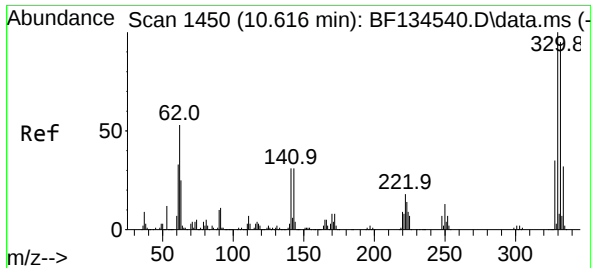


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45



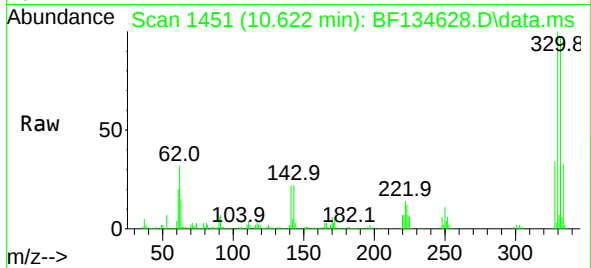
Tgt Ion:164 Resp: 284814
Ion Ratio Lower Upper
164 100
162 104.0 82.6 123.8
160 46.1 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 90.077 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

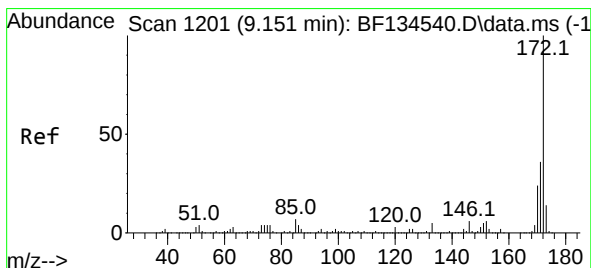
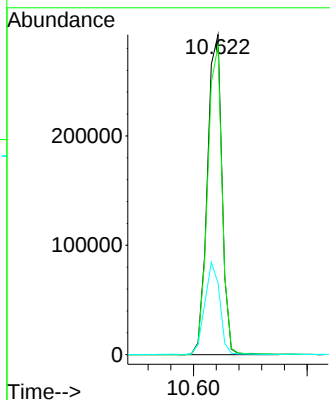
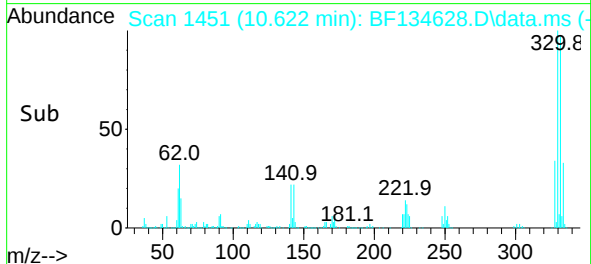
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE



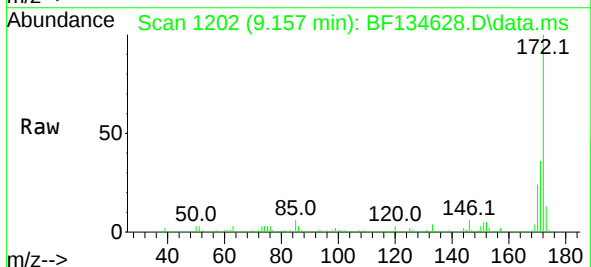
Tgt Ion: 330 Resp: 26153
Ion Ratio Lower Upper
330 100
332 95.9 78.8 118.2
141 30.1 25.4 38.2

Manual Integrations
APPROVED

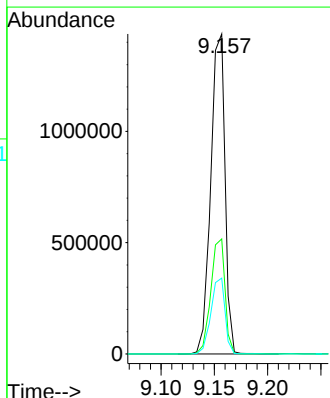
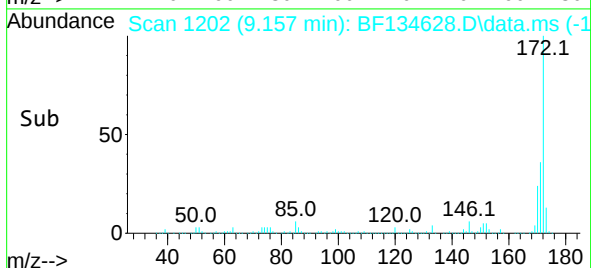
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023

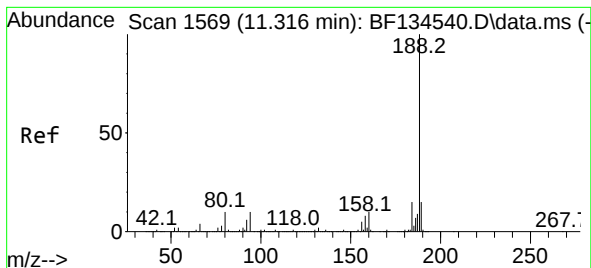


#45
2-Fluorobiphenyl
Concen: 78.125 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45



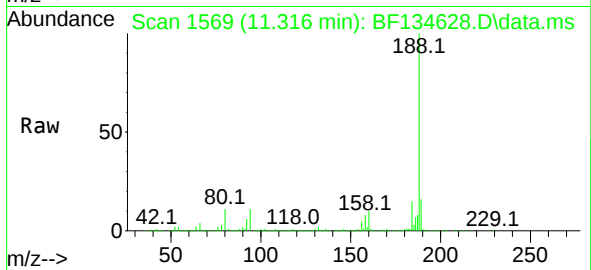
Tgt Ion: 172 Resp: 1338249
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.7 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

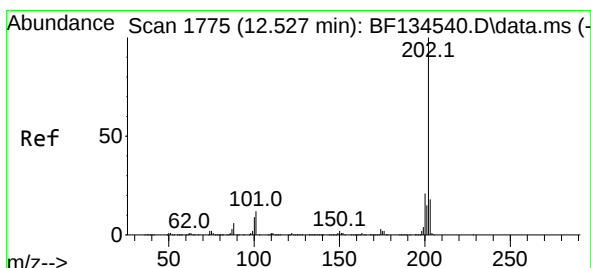
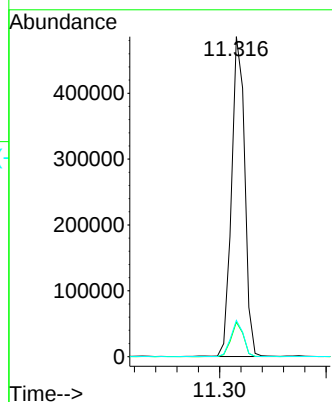
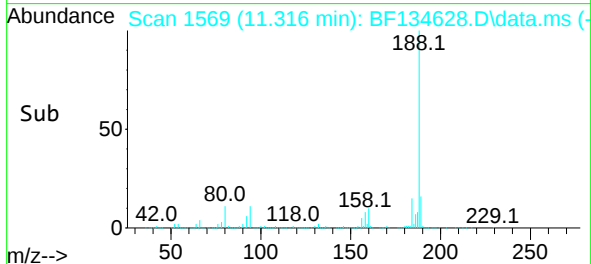
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE



Tgt Ion:188 Resp: 416458
Ion Ratio Lower Upper
188 100
94 10.8 5.1 7.7
80 11.4 6.6 9.8

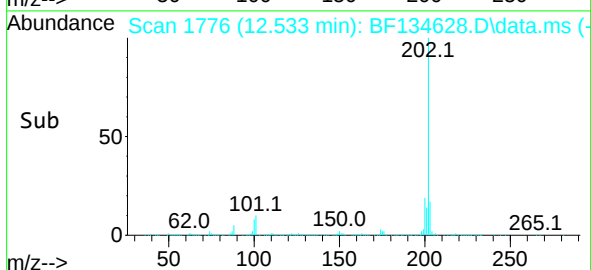
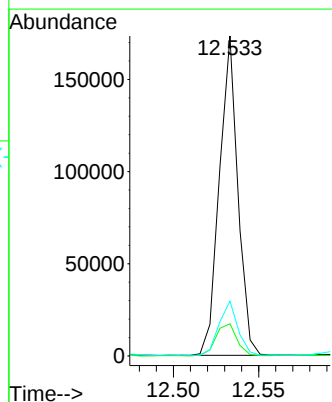
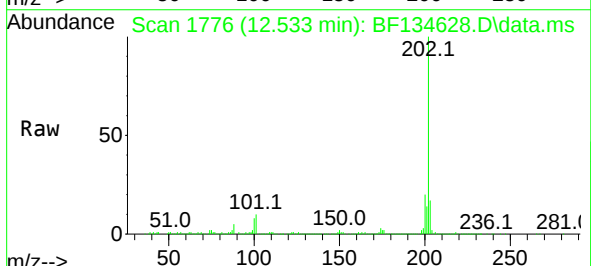
Manual Integrations
APPROVED

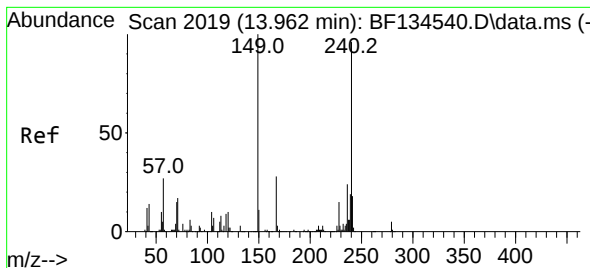
Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#75
Fluoranthene
Concen: 5.598 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:202 Resp: 130805
Ion Ratio Lower Upper
202 100
101 10.1 0.0 28.5
203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMPRE

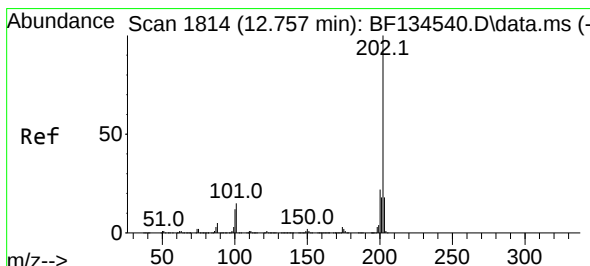
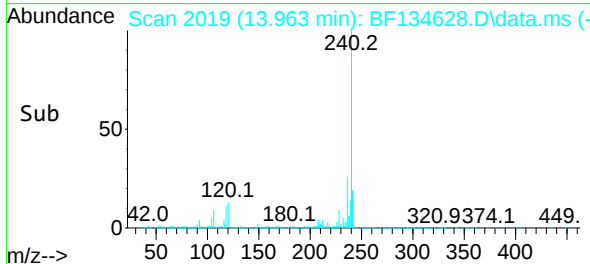
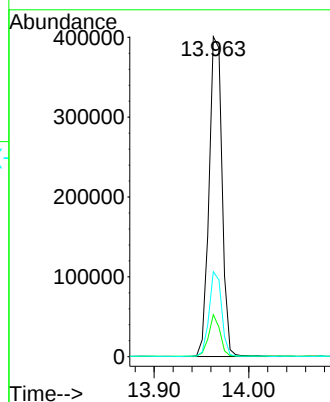
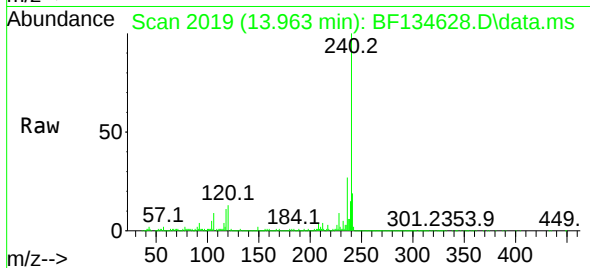
Tgt Ion:240 Resp: 380550
 Ion Ratio Lower Upper
 240 100
 120 13.1 6.6 10.0
 236 26.5 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#78

Pyrene

Concen: 3.870 ng

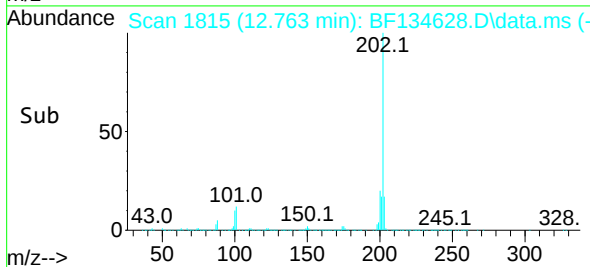
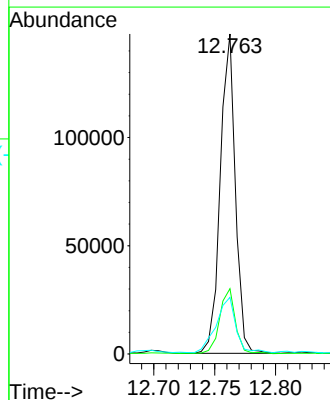
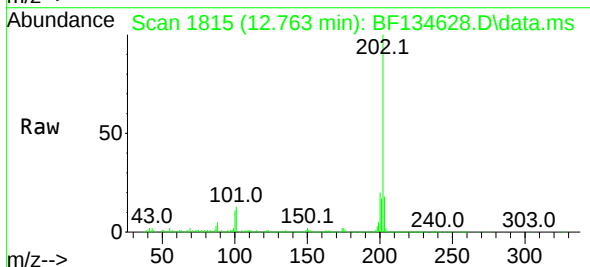
RT: 12.763 min Scan# 1815

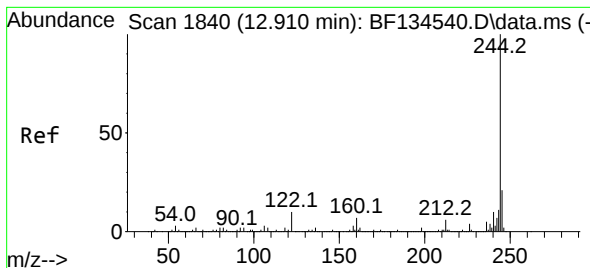
Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

Tgt Ion:202 Resp: 127440
 Ion Ratio Lower Upper
 202 100
 200 20.4 15.8 23.8
 203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 55.035 ng

RT: 12.916 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134628.D

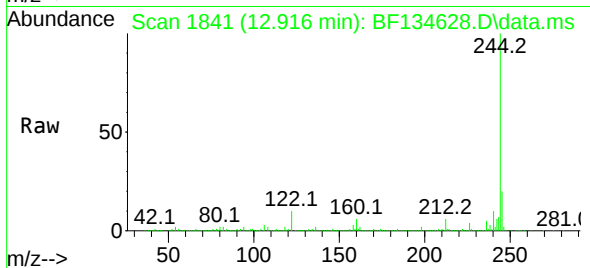
Acq: 04 Aug 2023 12:45

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMPRE



Tgt Ion:244 Resp: 118803

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

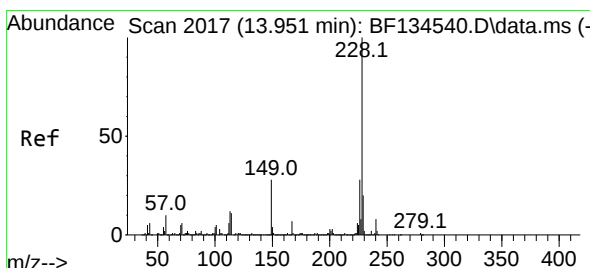
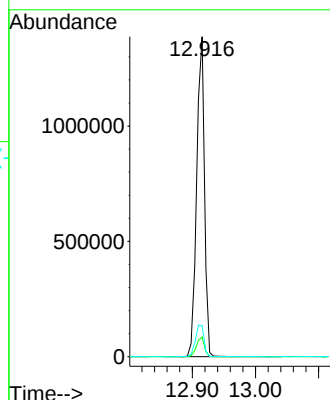
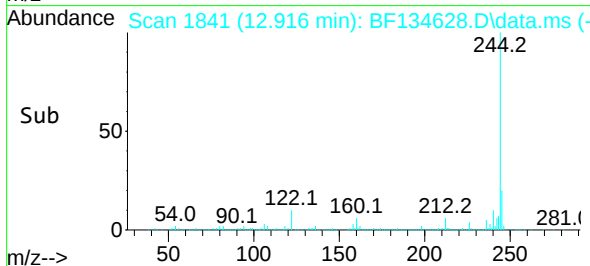
122 9.7 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#81

Benzo(a)anthracene

Concen: 3.045 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

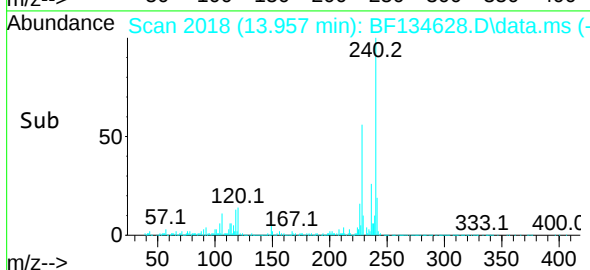
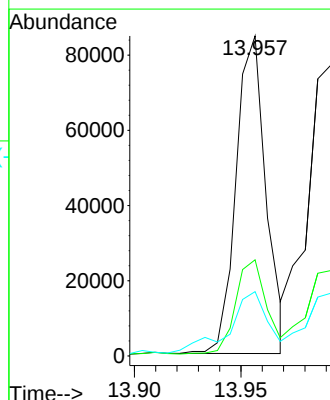
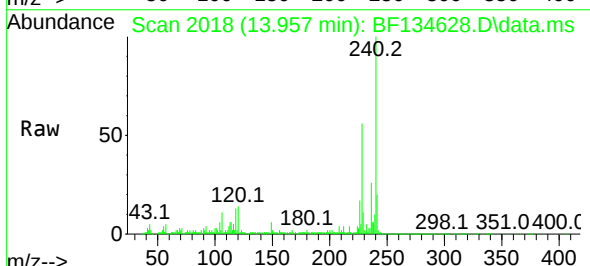
Tgt Ion:228 Resp: 82855

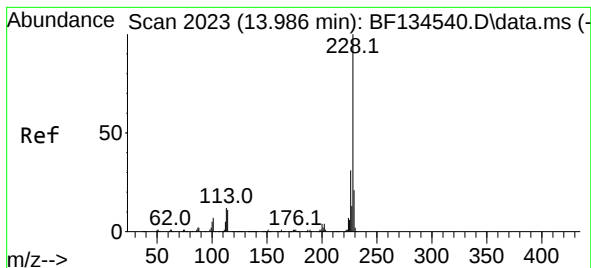
Ion Ratio Lower Upper

228 100

226 30.0 22.3 33.5

229 20.1 15.8 23.6





#83

Chrysene

Concen: 3.063 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

Instrument :

BNF

ClientSampleId :

BERGENFIELD-SOIL-COMP

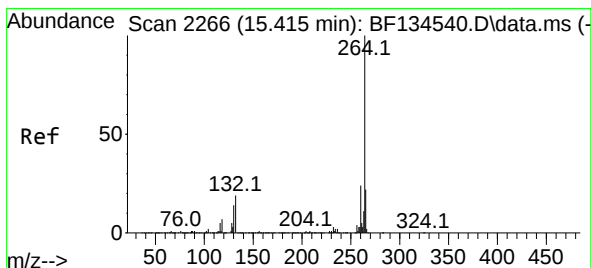
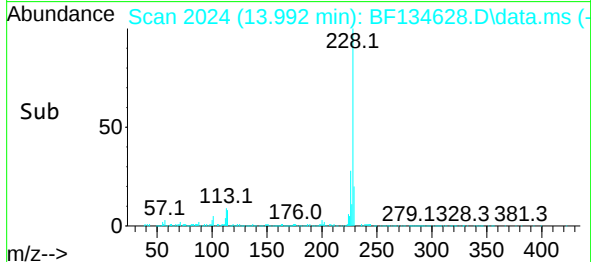
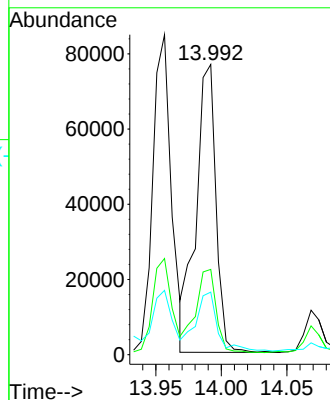
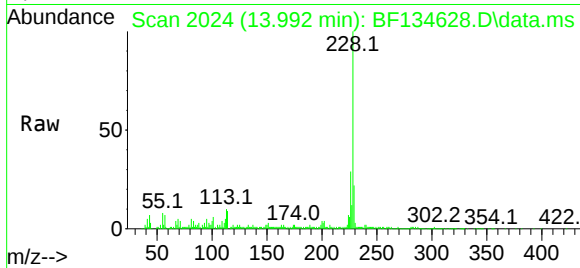
Tgt Ion:228	Resp:	8119
Ion Ratio	Lower	Upper
228	100	
226	29.4	24.5 36.7
229	21.5	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/07/2023

Supervised By :mohammad ahmed 08/07/2023



#86

Perylene-d12

Concen: 20.000 ng

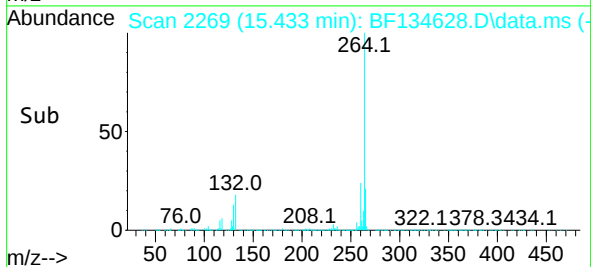
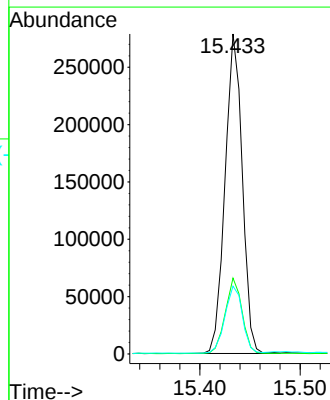
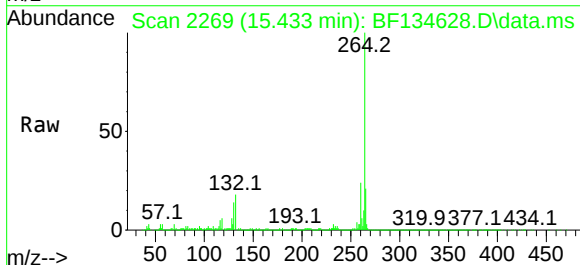
RT: 15.433 min Scan# 2269

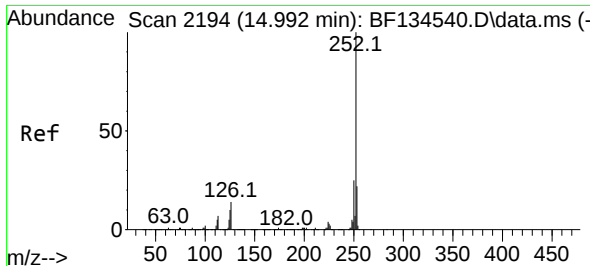
Delta R.T. -0.006 min

Lab File: BF134628.D

Acq: 04 Aug 2023 12:45

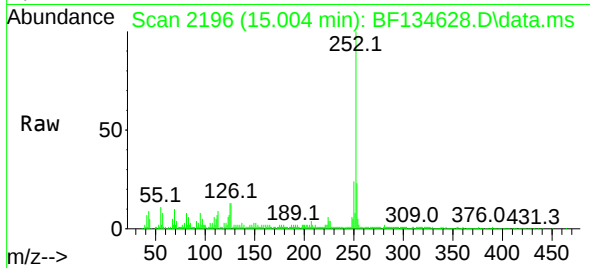
Tgt Ion:264	Resp:	331293
Ion Ratio	Lower	Upper
264	100	
260	23.7	18.4 27.6
265	21.2	15.8 23.8





#88
Benzo(b)fluoranthene
Concen: 5.268 ng m
RT: 15.004 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

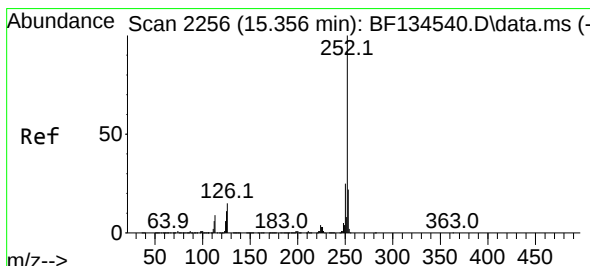
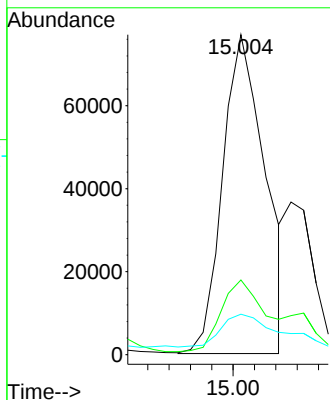
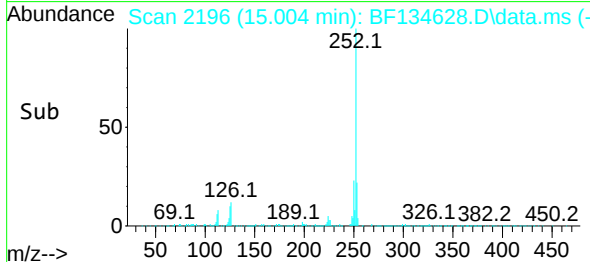
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMPRE



Tgt Ion:252 Resp: 106438
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 12.7 6.0 9.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/07/2023
Supervised By :mohammad ahmed 08/07/2023



#90
Benzo(a)pyrene
Concen: 3.199 ng
RT: 15.368 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF134628.D
Acq: 04 Aug 2023 12:45

Tgt Ion:252 Resp: 60259
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.4
125 13.0 6.2 9.4

