

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134616.D
 Acq On : 03 Aug 2023 17:49
 Operator : CG\JU
 Sample : 03854-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BERGENFIELD-SOIL-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/04/2023
 Supervised By :mohammad ahmed 08/04/2023

Quant Time: Aug 04 01:10:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	150437	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	524595	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	227831	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	422360	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	235649	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	199087	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	939427	94.925	ng	0.01
7) Phenol-d6	6.428	99	1142619	90.320	ng	0.00
23) Nitrobenzene-d5	7.357	82	627782	74.785	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	241745	104.087	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1074004	78.380	ng	0.00
79) Terphenyl-d14	12.916	244	1144382	85.610	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.533	202	136073	5.742	ng	98
78) Pyrene	12.763	202	126712	6.214	ng	97
81) Benzo(a)anthracene	13.957	228	53515m	3.176	ng	
83) Chrysene	13.992	228	50314	3.065	ng	95
88) Benzo(b)fluoranthene	15.004	252	59158m	4.872	ng	
90) Benzo(a)pyrene	15.368	252	35402	3.127	ng	# 84

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

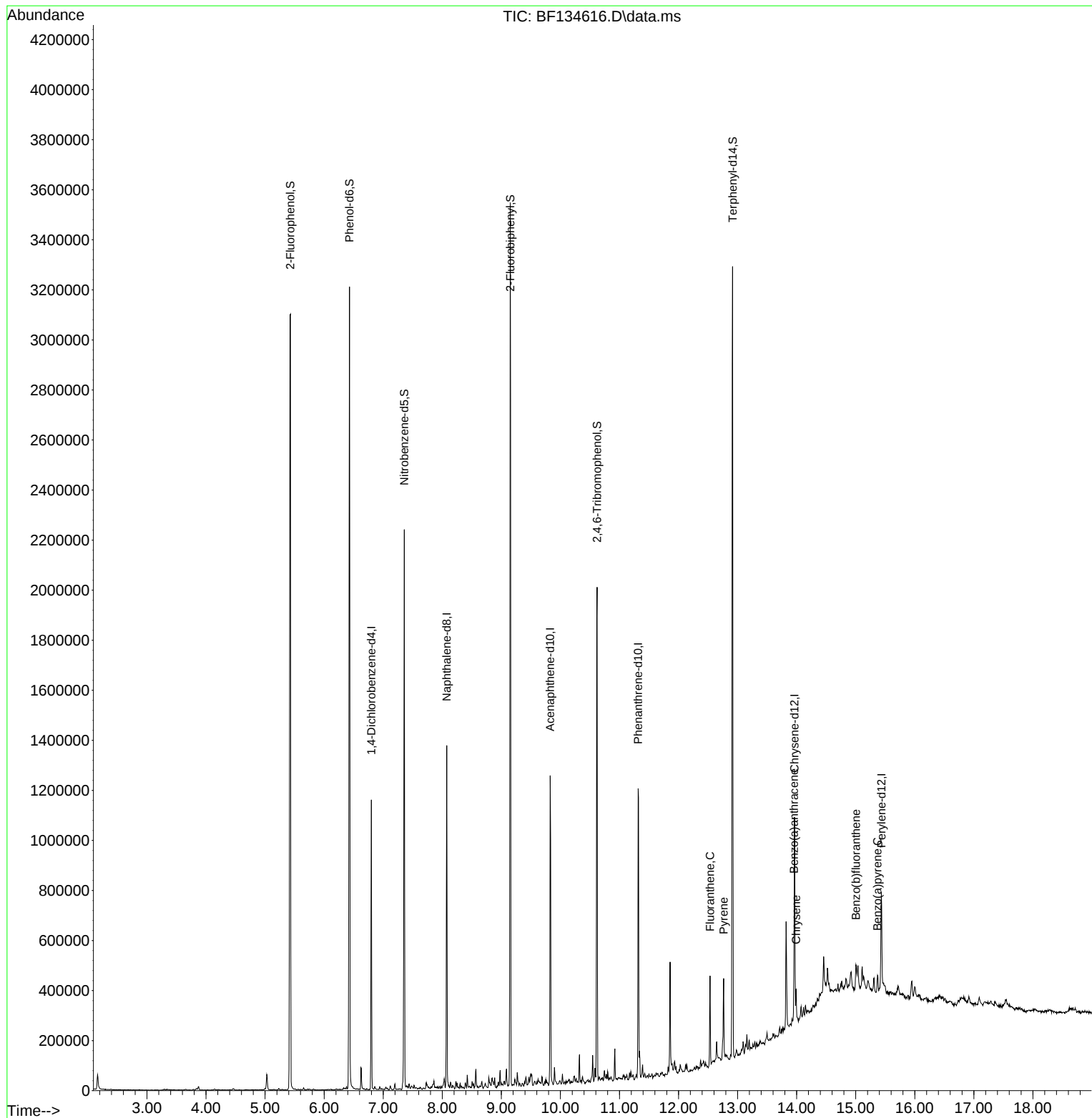
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
Data File : BF134616.D
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Sample : 03854-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

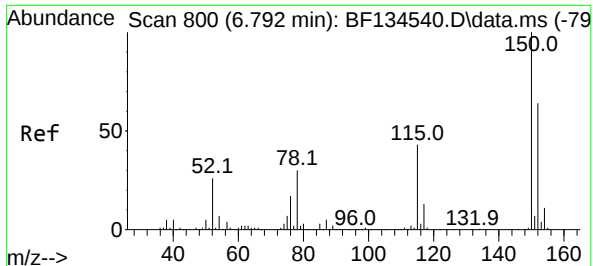
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMP

Quant Time: Aug 04 01:10:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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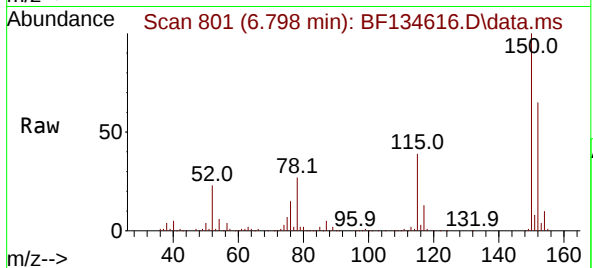
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

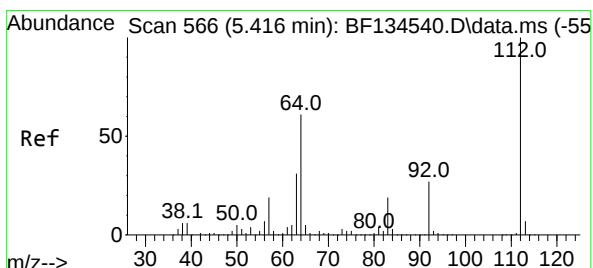
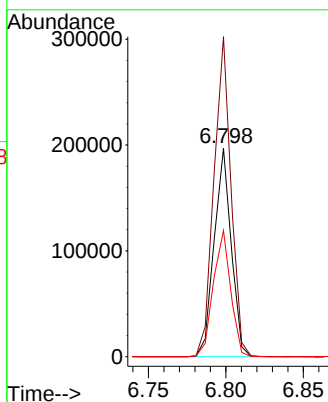
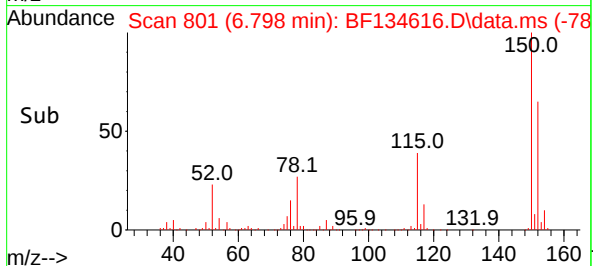
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMP



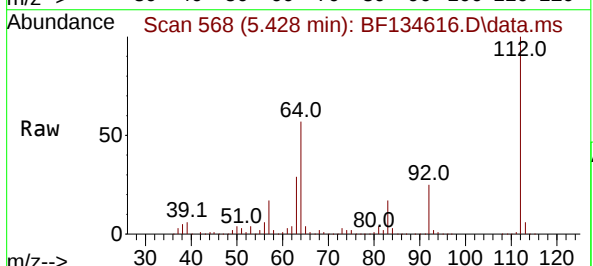
Tgt Ion:152 Resp: 150437
Ion Ratio Lower Upper
152 100
150 153.5 128.3 192.5
115 60.6 52.4 78.6

Manual Integrations
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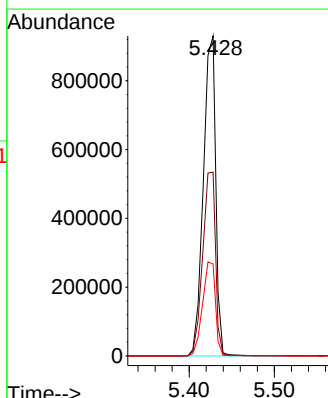
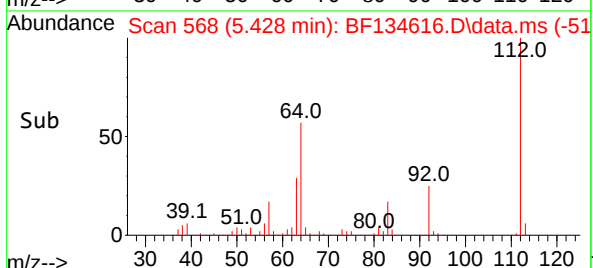
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#5
2-Fluorophenol
Concen: 94.925 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.012 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49



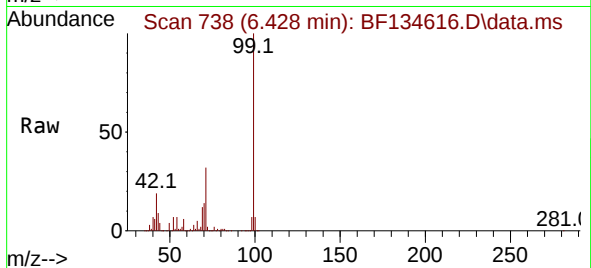
Tgt Ion:112 Resp: 939427
Ion Ratio Lower Upper
112 100
64 57.5 44.9 67.3
63 28.8 25.4 38.0





#7
Phenol-d6
Concen: 90.320 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

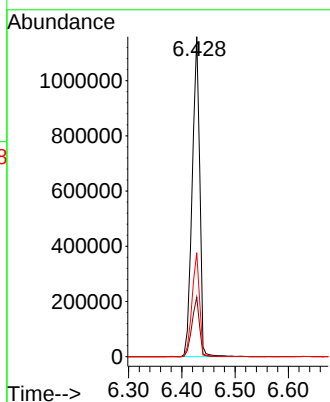
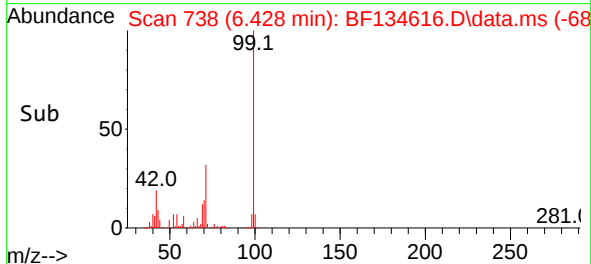
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMP



Tgt Ion: 99 Resp: 1142619
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 32.5 36.4 54.6#

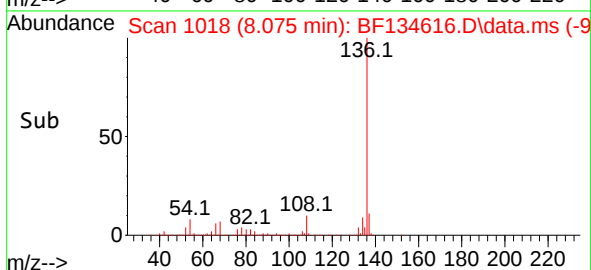
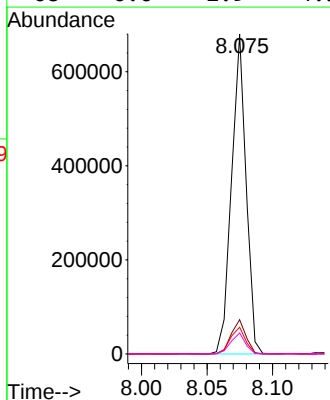
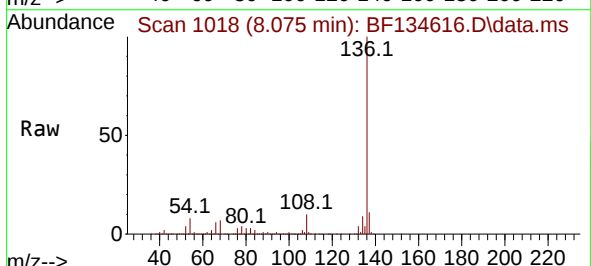
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Supervised By :mohammad ahmed 08/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

Tgt Ion:136 Resp: 524595
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.3 5.2 7.8#
68 6.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 74.785 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF134616.D

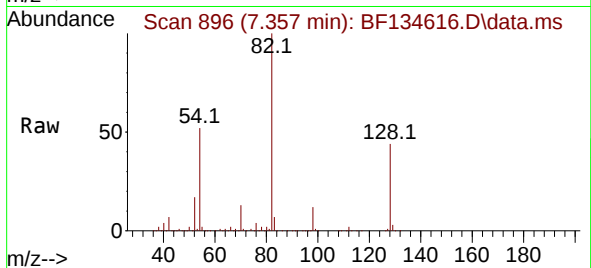
Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP

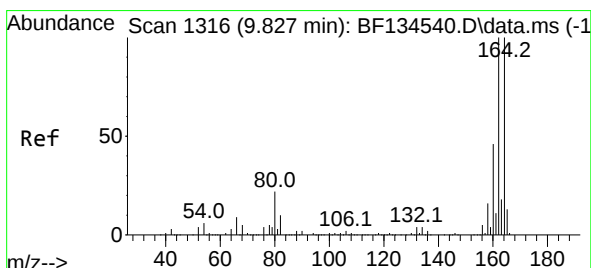
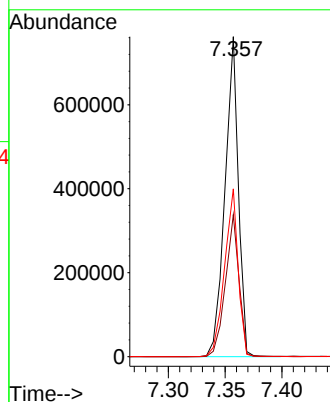
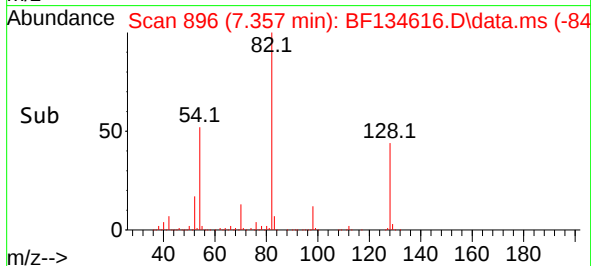


Tgt Ion: 82 Resp: 627782

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.3	51.5
54	52.4	43.8	65.6

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Supervised By :mohammad ahmed 08/04/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

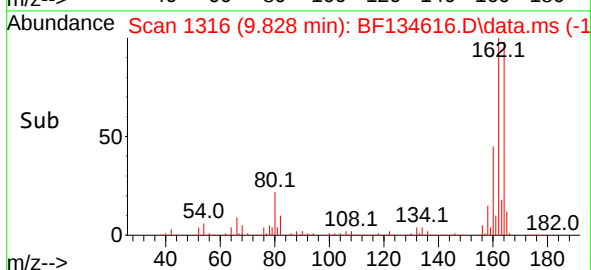
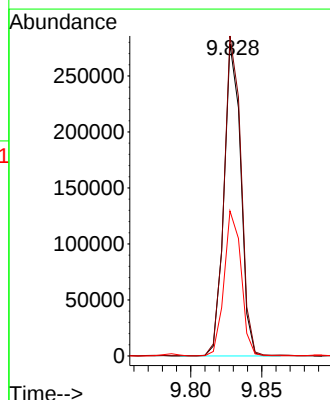
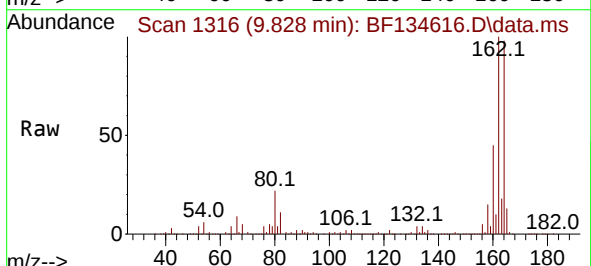
Delta R.T. 0.000 min

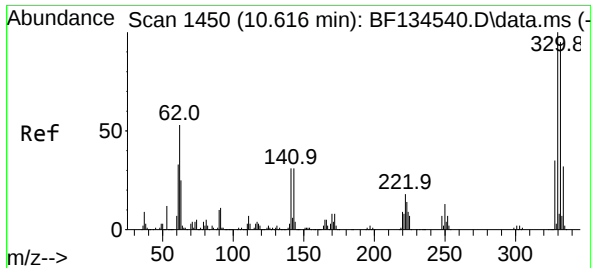
Lab File: BF134616.D

Acq: 03 Aug 2023 17:49

Tgt Ion:164 Resp: 227831

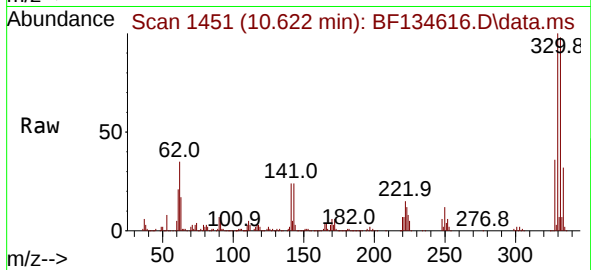
Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	46.4	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 104.087 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

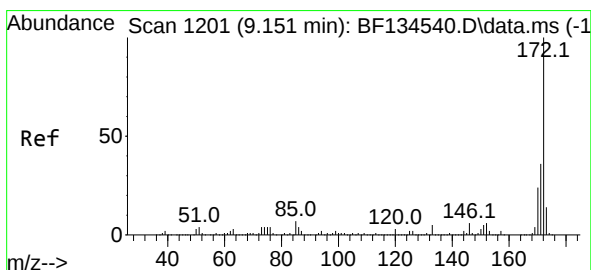
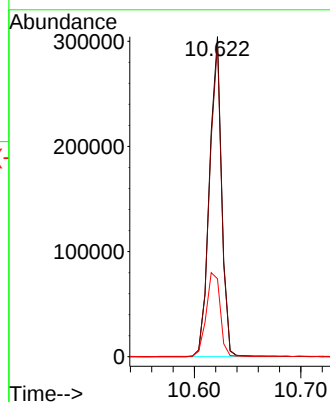
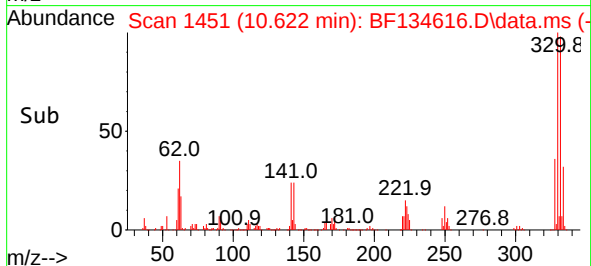
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMP



Tgt Ion:330 Resp: 241745
Ion Ratio Lower Upper
330 100
332 98.1 78.8 118.2
141 30.7 25.4 38.2

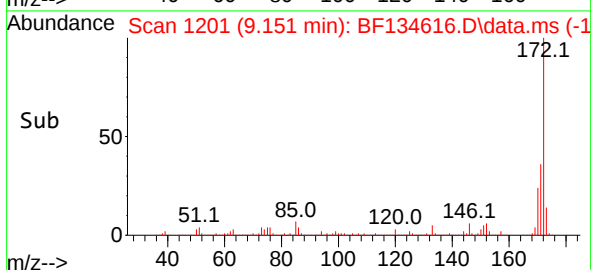
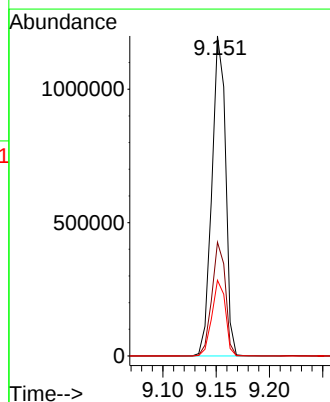
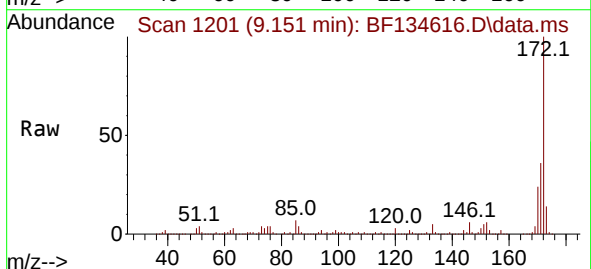
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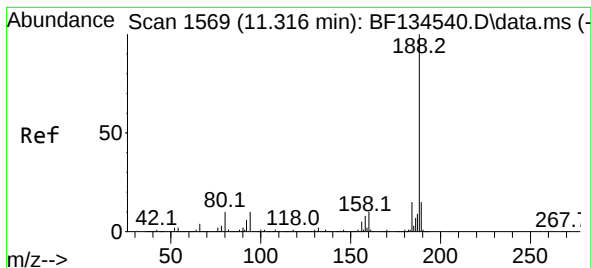
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#45
2-Fluorobiphenyl
Concen: 78.380 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

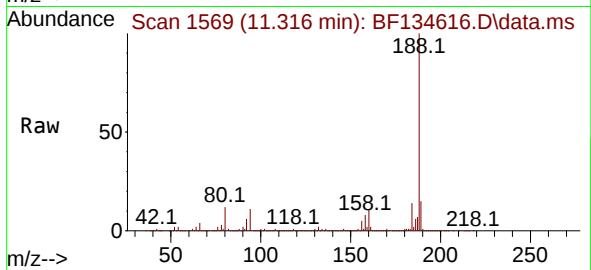
Tgt Ion:172 Resp: 1074004
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.6 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

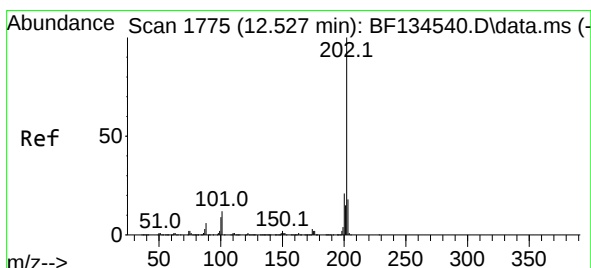
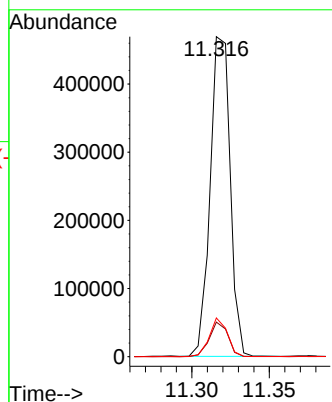
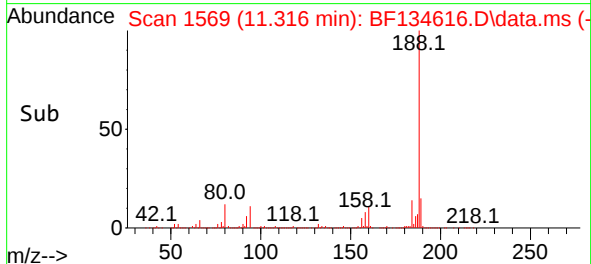
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:188 Resp: 422360
Ion Ratio Lower Upper
188 100
94 10.8 5.1 7.7
80 12.1 6.6 9.8

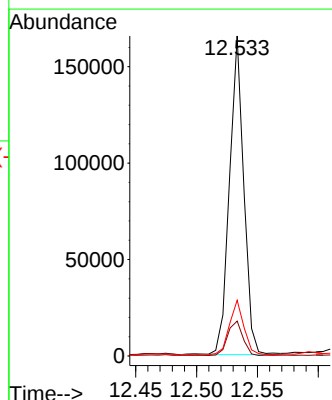
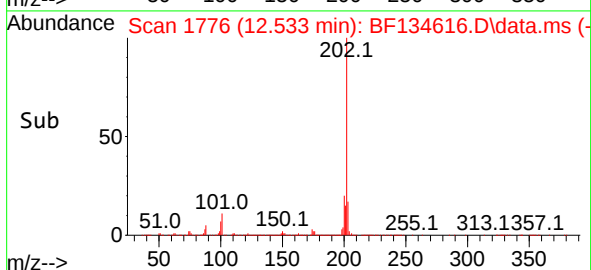
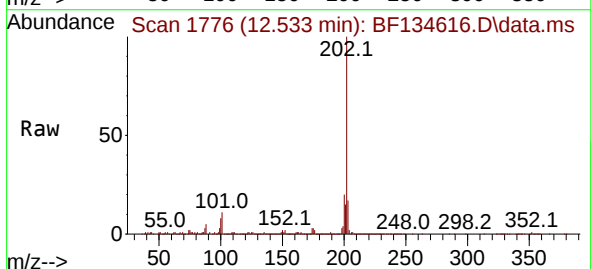
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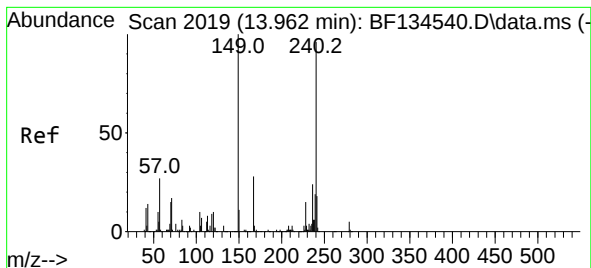
Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#75
Fluoranthene
Concen: 5.742 ng
RT: 12.533 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

Tgt Ion:202 Resp: 136073
Ion Ratio Lower Upper
202 100
101 10.9 0.0 28.5
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP

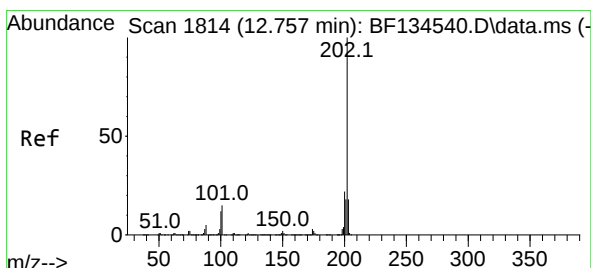
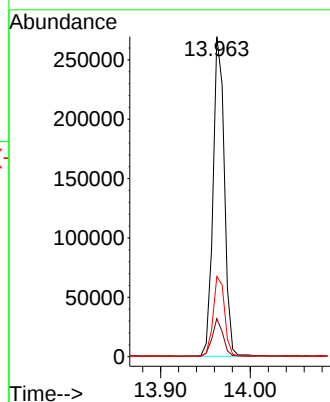
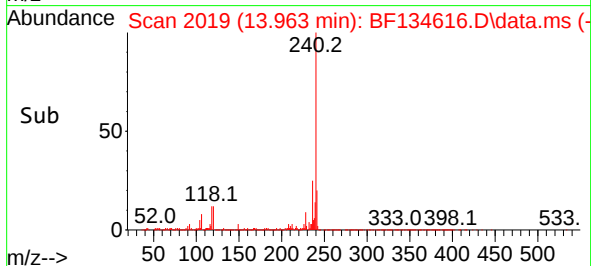
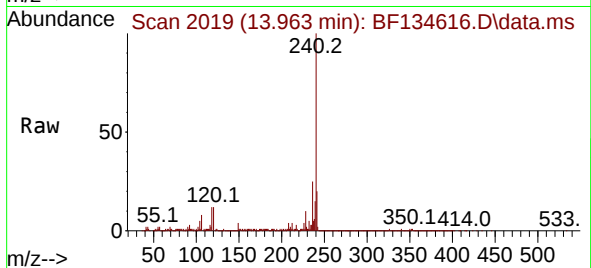
Tgt Ion:240 Resp: 235649
 Ion Ratio Lower Upper
 240 100
 120 11.9 6.6 10.0
 236 25.1 20.2 30.2

Manual Integrations

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Supervised By :mohammad ahmed 08/04/2023



#78

Pyrene

Concen: 6.214 ng

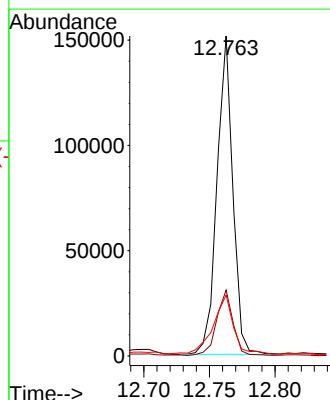
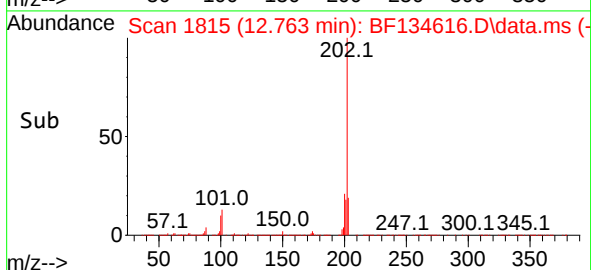
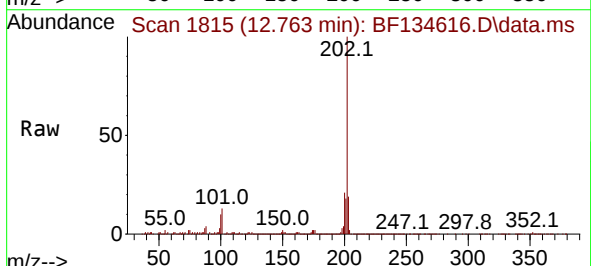
RT: 12.763 min Scan# 1815

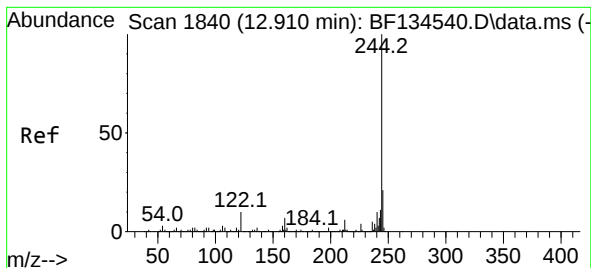
Delta R.T. 0.006 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:49

Tgt Ion:202 Resp: 126712
 Ion Ratio Lower Upper
 202 100
 200 20.6 15.8 23.8
 203 19.0 13.5 20.3





#79

Terphenyl-d14

Concen: 85.610 ng

RT: 12.916 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134616.D

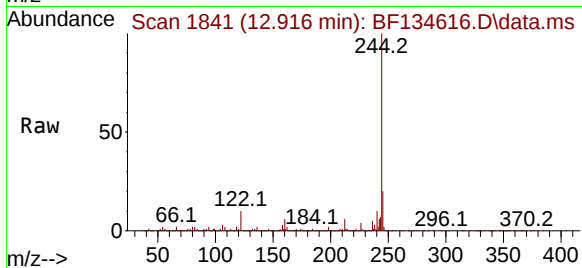
Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:244 Resp: 114438

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

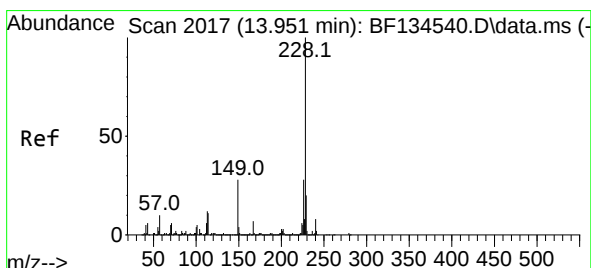
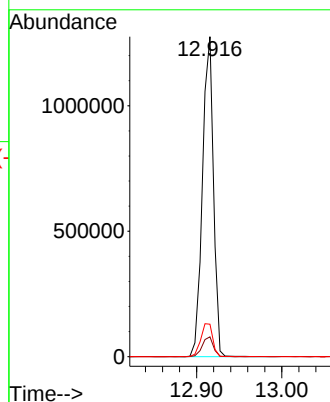
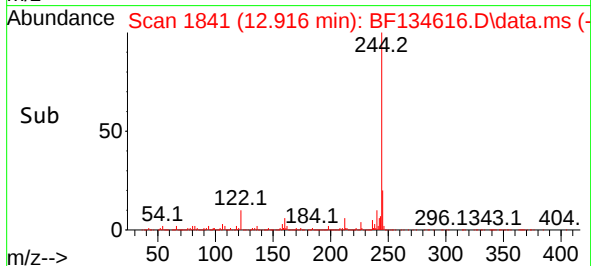
122 10.1 8.0 12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#81

Benzo(a)anthracene

Concen: 3.176 ng m

RT: 13.957 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:49

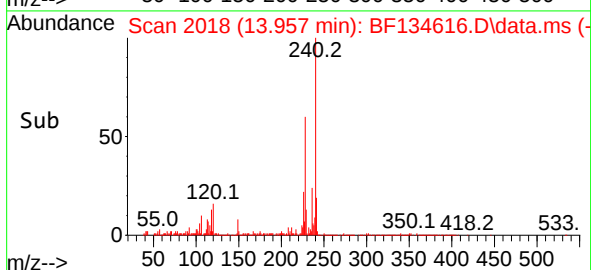
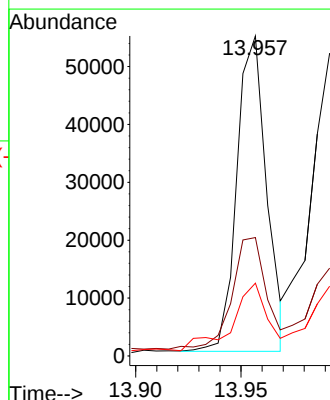
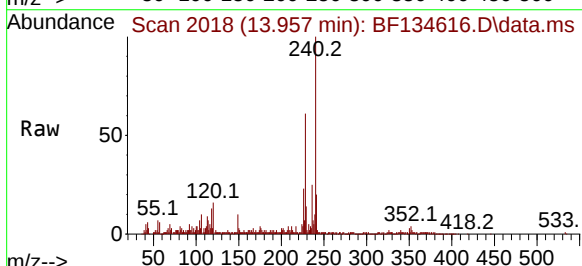
Tgt Ion:228 Resp: 53515

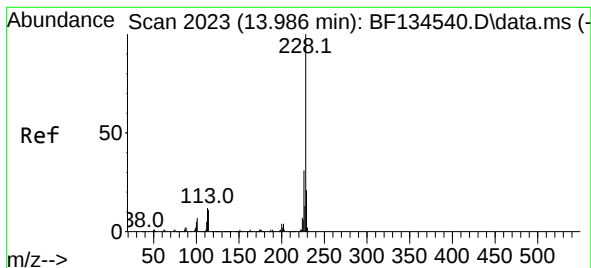
Ion Ratio Lower Upper

228 100

226 37.0 22.3 33.5#

229 22.8 15.8 23.6





#83

Chrysene

Concen: 3.065 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:49

Instrument :

BNA_F

ClientSampleId :

BERGENFIELD-SOIL-COMP

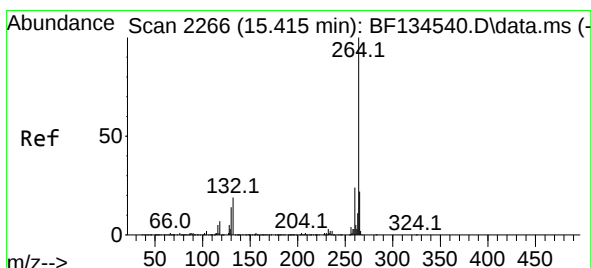
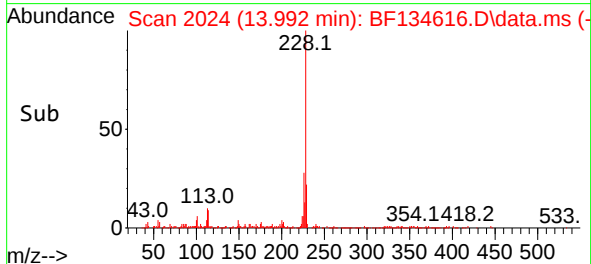
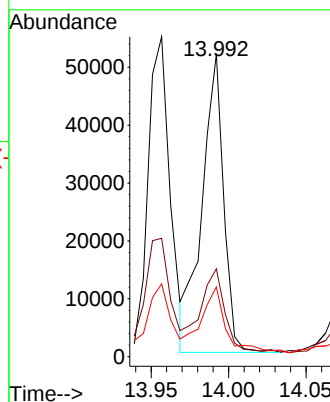
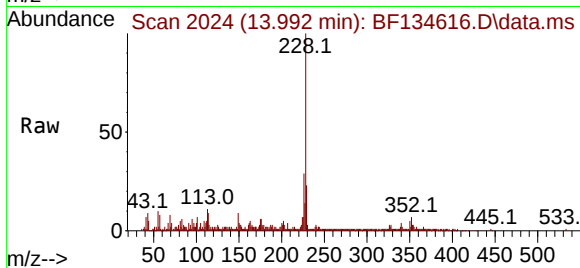
Tgt Ion:228 Resp: 50314
 Ion Ratio Lower Upper
 228 100
 226 29.0 24.5 36.7
 229 23.0 15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#86

Perylene-d12

Concen: 20.000 ng

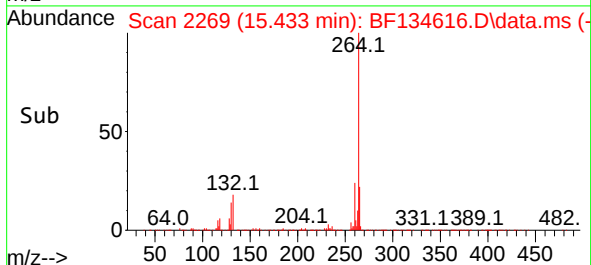
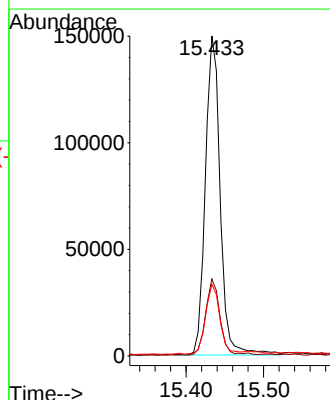
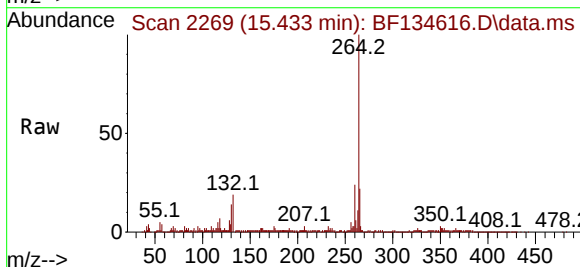
RT: 15.433 min Scan# 2269

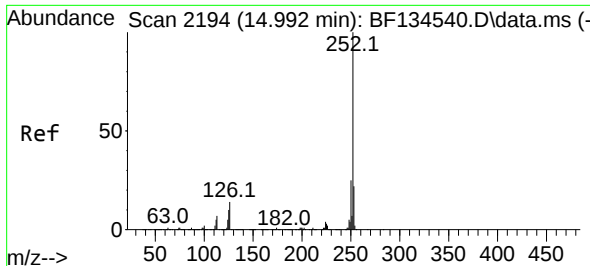
Delta R.T. 0.018 min

Lab File: BF134616.D

Acq: 03 Aug 2023 17:49

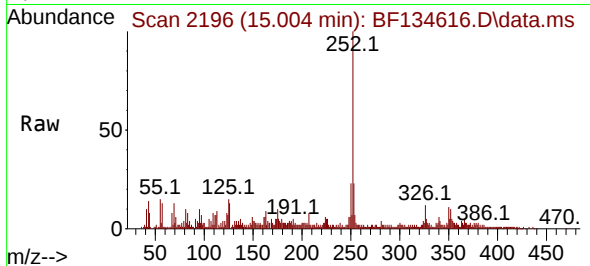
Tgt Ion:264 Resp: 199087
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.4 27.6
 265 22.4 15.8 23.8





#88
Benzo(b)fluoranthene
Concen: 4.872 ng m
RT: 15.004 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

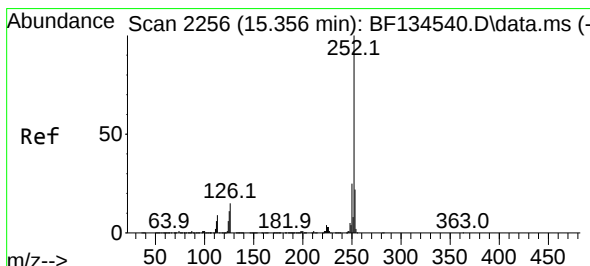
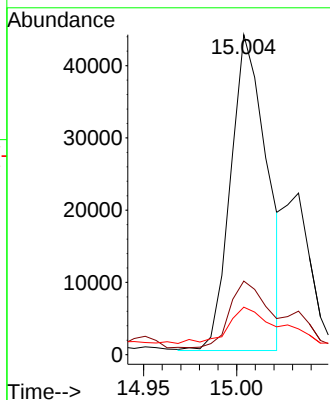
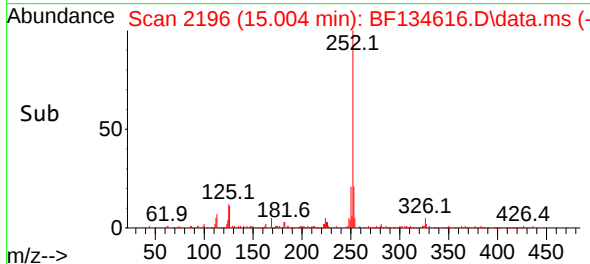
Instrument :
BNA_F
ClientSampleId :
BERGENFIELD-SOIL-COMP



Tgt Ion:252 Resp: 59158
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 14.8 6.0 9.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/04/2023
Supervised By :mohammad ahmed 08/04/2023



#90
Benzo(a)pyrene
Concen: 3.127 ng
RT: 15.368 min Scan# 2258
Delta R.T. 0.012 min
Lab File: BF134616.D
Acq: 03 Aug 2023 17:49

Tgt Ion:252 Resp: 35402
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.4#
125 18.1 6.2 9.4#

