

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131384.D
 Acq On : 24 Nov 2022 03:32
 Operator : CG\JU
 Sample : N5641-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-10

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022

Quant Time: Nov 25 02:25:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 05:53:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	97843	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	321193	20.000	ng	# 0.00
39) Acenaphthene-d10	10.004	164	151487	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	238422	20.000	ng	0.00
76) Chrysene-d12	14.163	240	194487	20.000	ng	0.00
86) Perylene-d12	15.704	264	135606	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	522481	101.632	ng	0.00
7) Phenol-d6	6.569	99	636583	97.051	ng	0.00
23) Nitrobenzene-d5	7.516	82	403521	63.329	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	129384	101.520	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	675950	64.916	ng	0.00
79) Terphenyl-d14	13.098	244	618790	52.028	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.722	202	39079	2.878	ng	99
78) Pyrene	12.951	202	38017m	2.216	ng	
80) Butylbenzylphthalate	13.574	149	71747	15.499	ng	97
84) Bis(2-ethylhexyl)phtha...	14.133	149	5383	4.397	ng	# 95
88) Benzo(b)fluoranthene	15.245	252	23585m	2.618	ng	

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

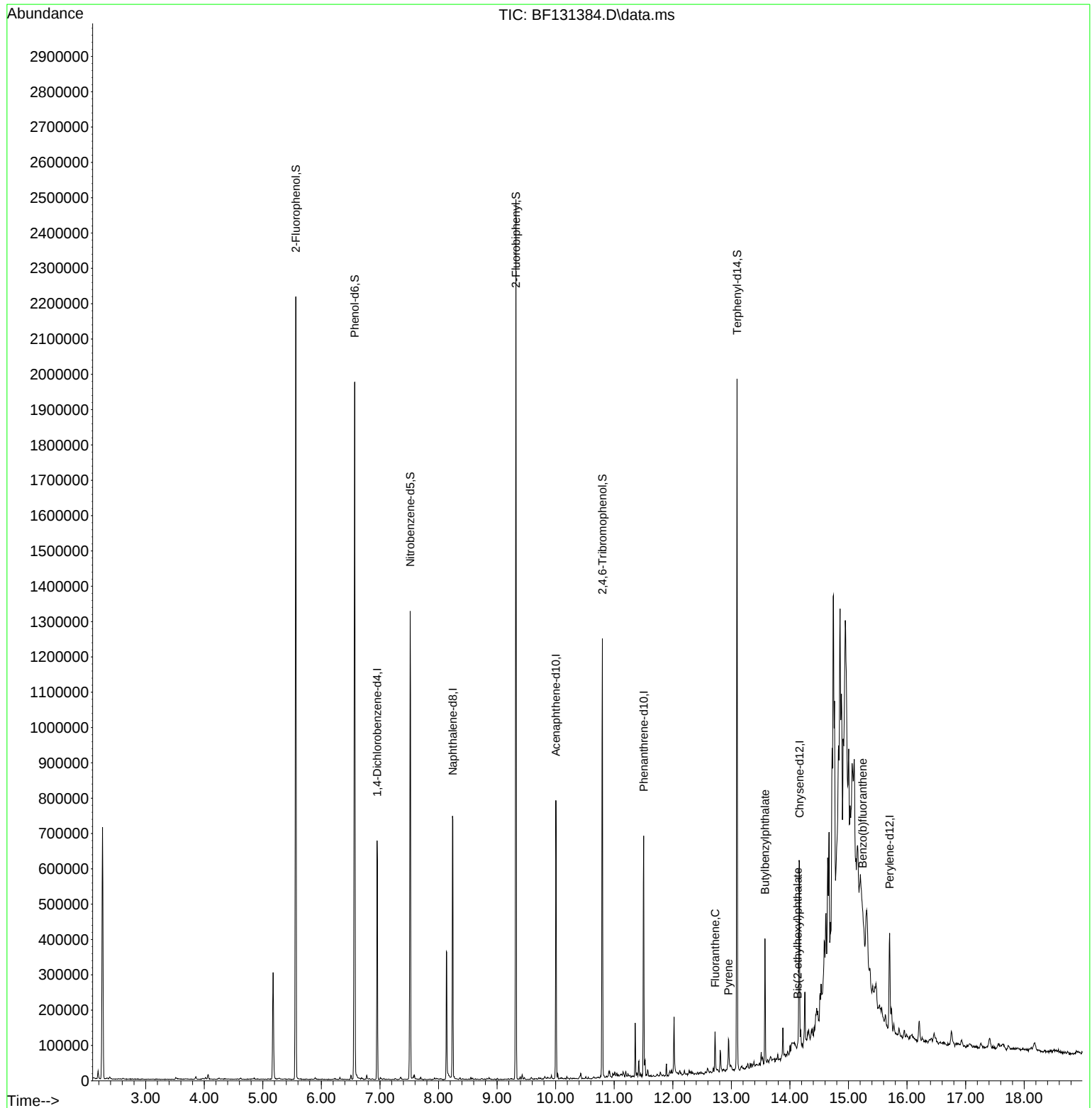
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131384.D
Acq On : 24 Nov 2022 03:32
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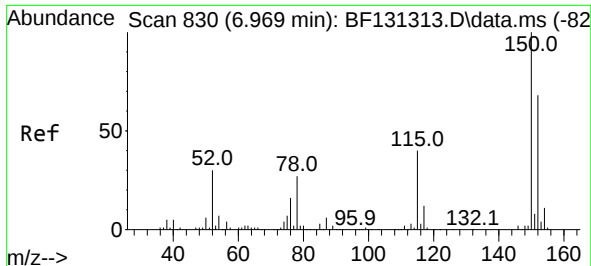
Instrument :
BNA_F
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Quant Time: Nov 25 02:25:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 05:53:32 2022
Response via : Initial Calibration

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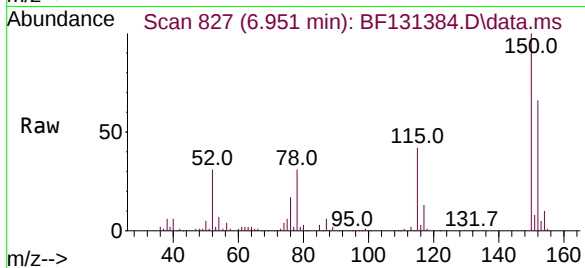
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Supervised By : Jagrut Upadhyay 11/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

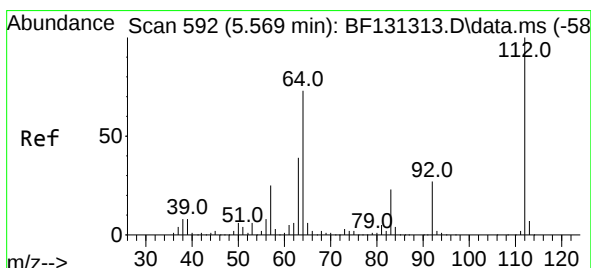
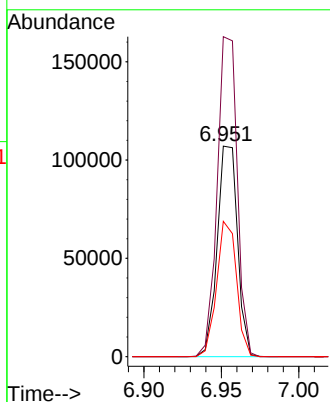
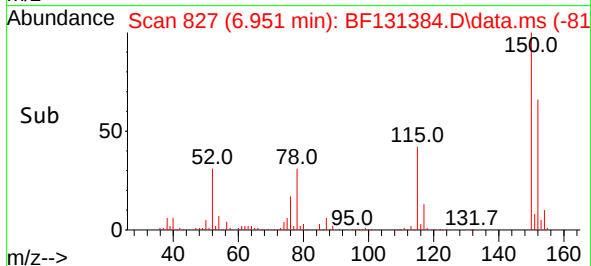
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10



Tgt Ion:152 Resp: 97843
Ion Ratio Lower Upper
152 100
150 152.0 117.8 176.8
115 64.3 47.1 70.7

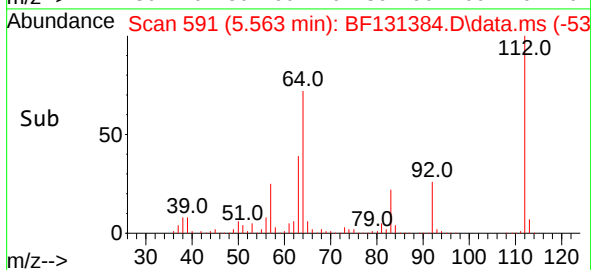
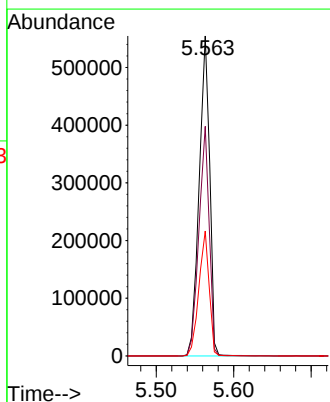
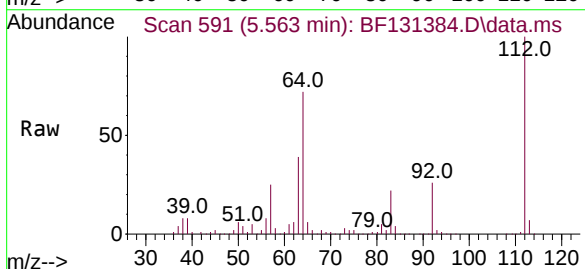
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#5
2-Fluorophenol
Concen: 101.632 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

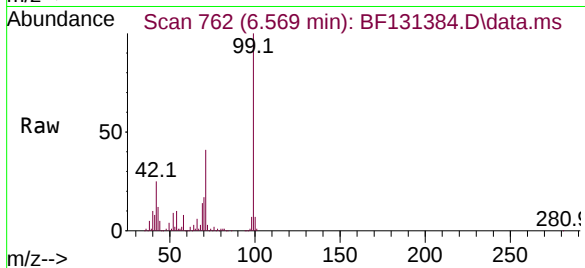
Tgt Ion:112 Resp: 522481
Ion Ratio Lower Upper
112 100
64 71.7 58.6 88.0
63 39.0 31.4 47.0





#7
Phenol-d6
Concen: 97.051 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

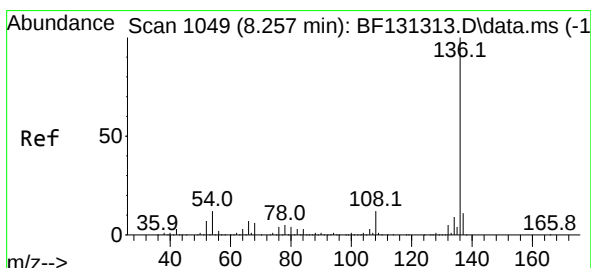
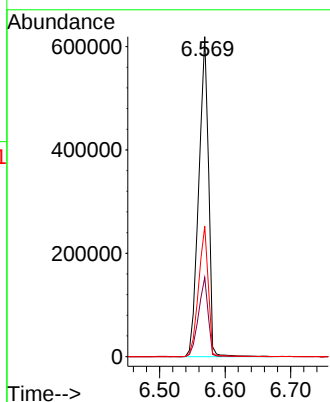
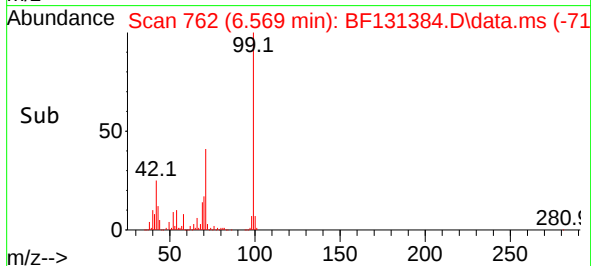
Instrument :
BNA_F
Client Sample Id :
SOIL-PILE-10



Tgt Ion: 99 Resp: 636583
Ion Ratio Lower Upper
99 100
42 24.7 19.4 29.2
71 40.7 32.3 48.5

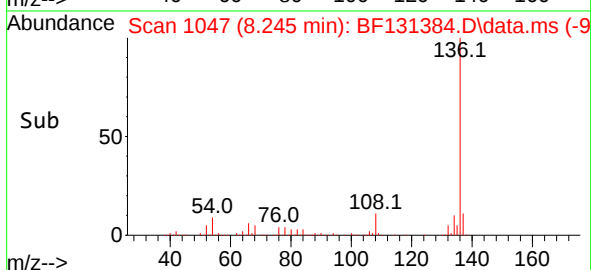
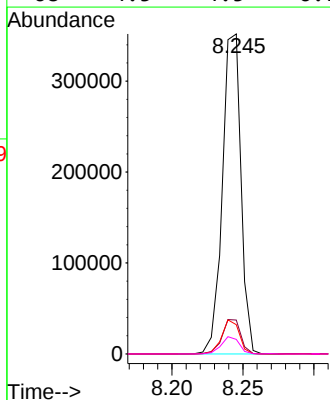
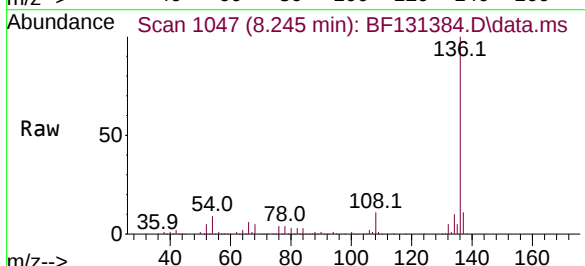
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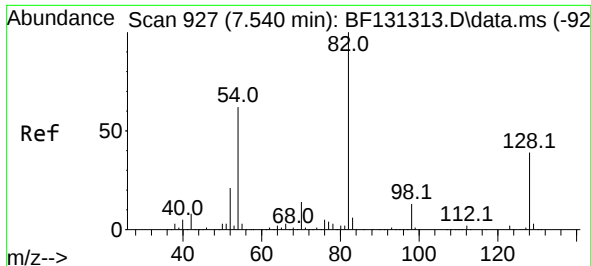
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:136 Resp: 321193
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 9.1 9.4 14.0#
68 4.5 4.5 6.7





#23
Nitrobenzene-d5
Concen: 63.329 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

ClientSampleId :

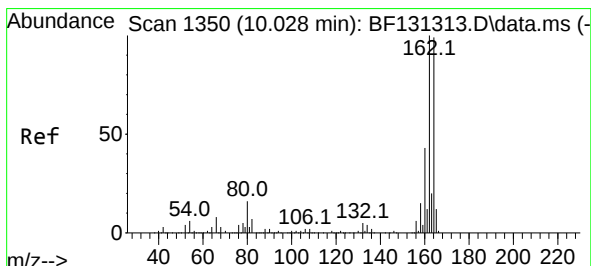
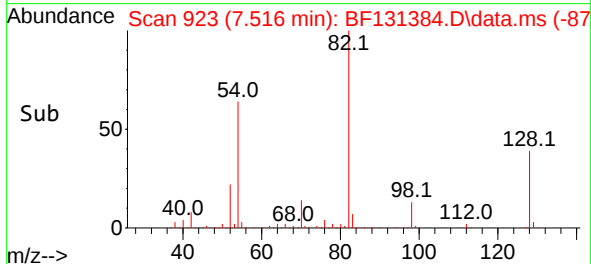
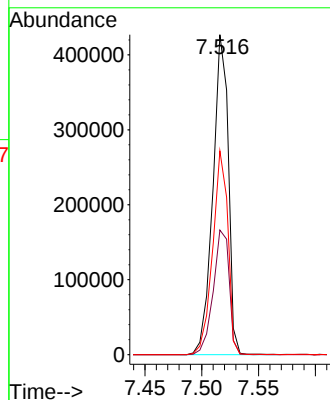
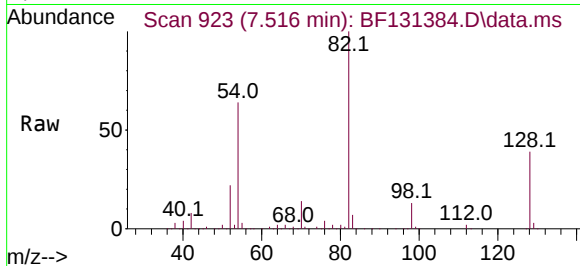
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Tgt Ion: 82 Resp: 40352
Ion Ratio Lower Upper
82 100
128 38.9 31.4 47.0
54 63.7 49.8 74.6

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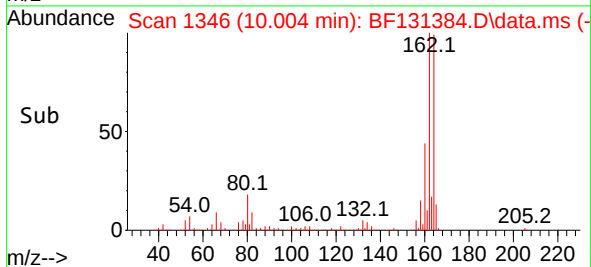
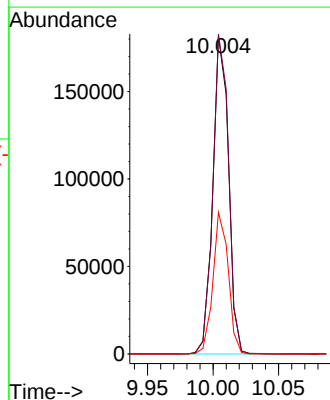
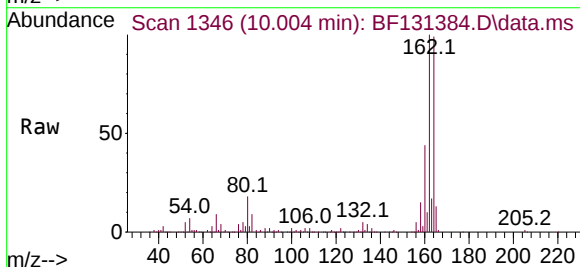
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:164 Resp: 151487
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 44.6 34.4 51.6





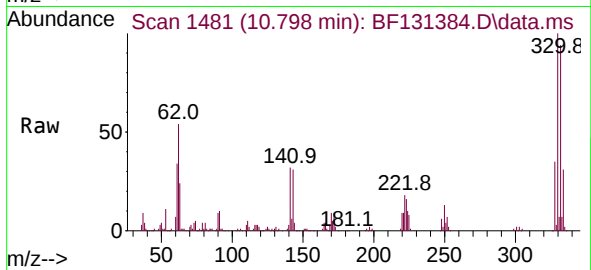
#42
2,4,6-Tribromophenol
Concen: 101.520 ng
RT: 10.798 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-10

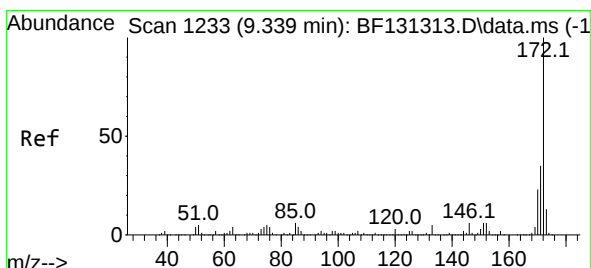
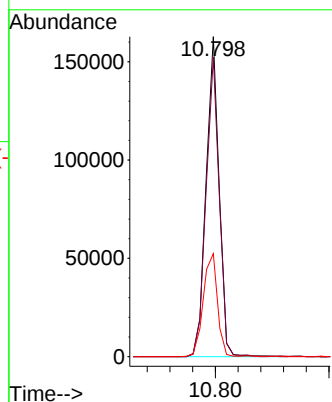
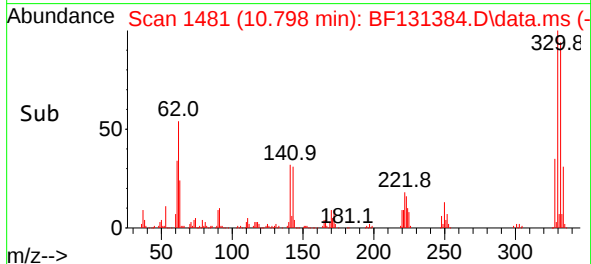


Tgt Ion: 330 Resp: 129384
Ion Ratio Lower Upper
330 100
332 94.9 77.5 116.3
141 35.3 29.3 43.9

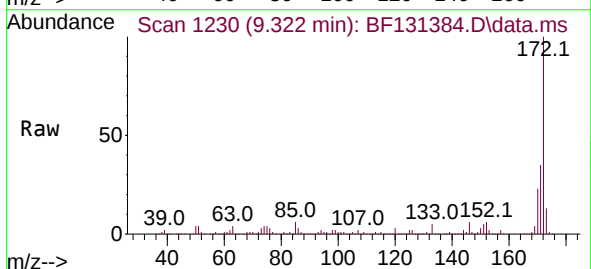
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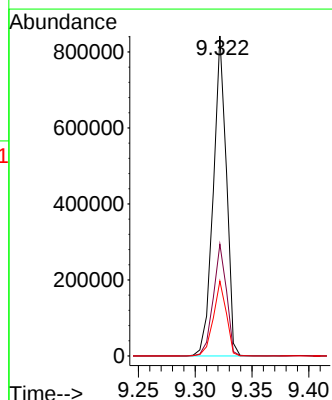
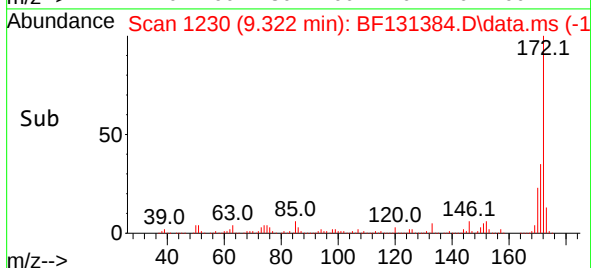
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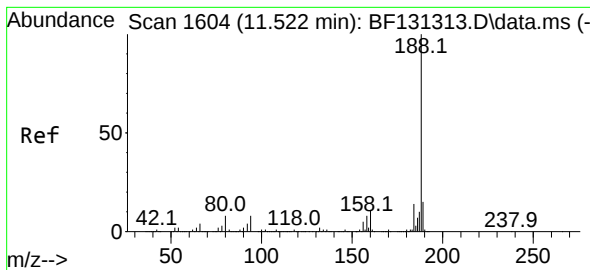


#45
2-Fluorobiphenyl
Concen: 64.916 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32



Tgt Ion: 172 Resp: 675950
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.4 18.7 28.1





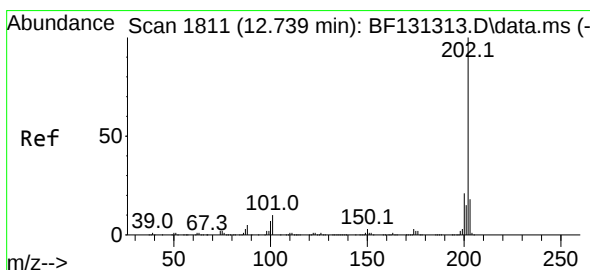
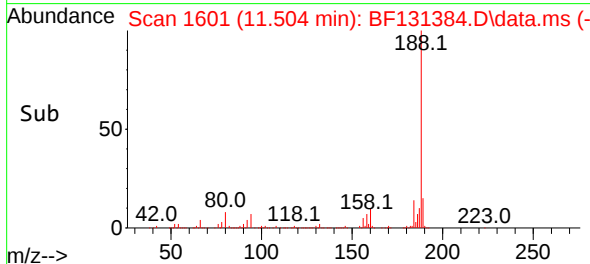
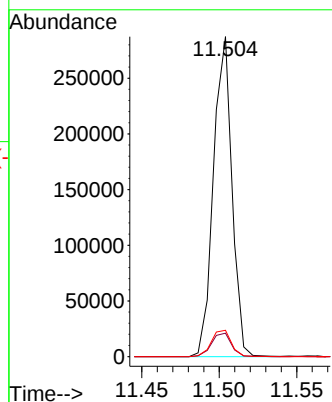
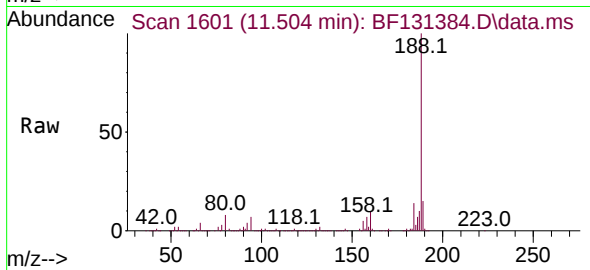
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

Tgt Ion:188 Resp: 23842
Ion Ratio Lower Upper
188 100
94 7.3 6.3 9.5
80 8.2 6.8 10.2

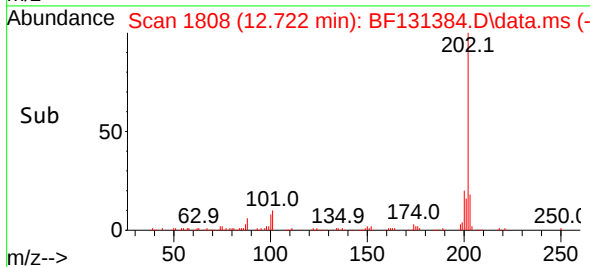
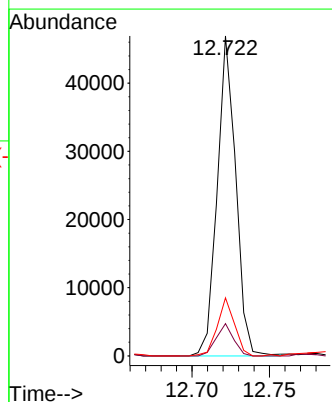
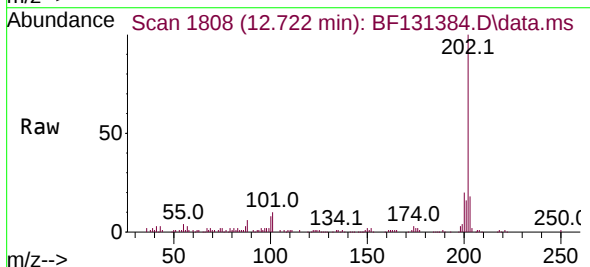
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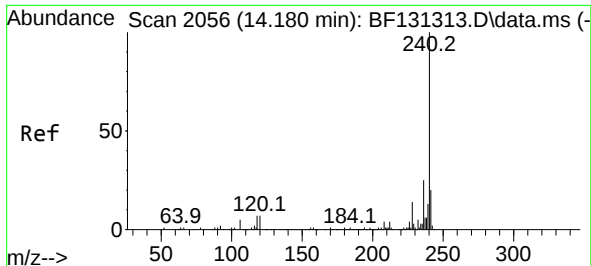
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#75
Fluoranthene
Concen: 2.878 ng
RT: 12.722 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:202 Resp: 39079
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.6
203 18.1 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.163 min Scan# 2053
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

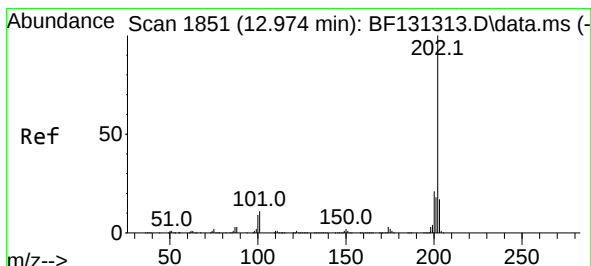
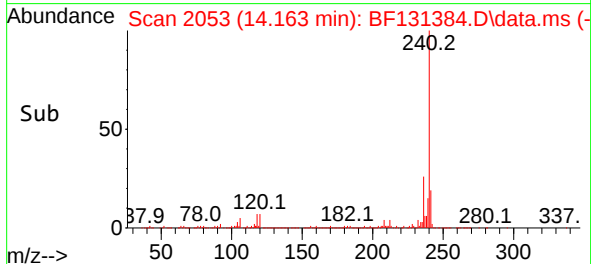
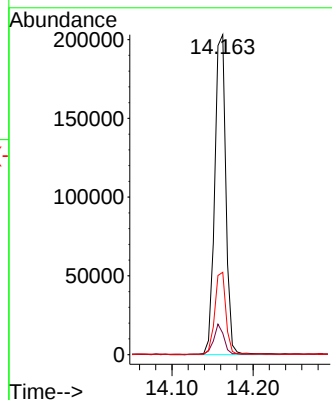
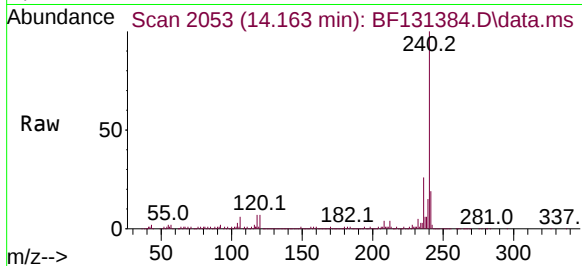
ClientSampleId :

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Tgt Ion:240 Resp: 19448
Ion Ratio Lower Upper
240 100
120 6.7 5.8 8.8
236 25.7 20.3 30.5

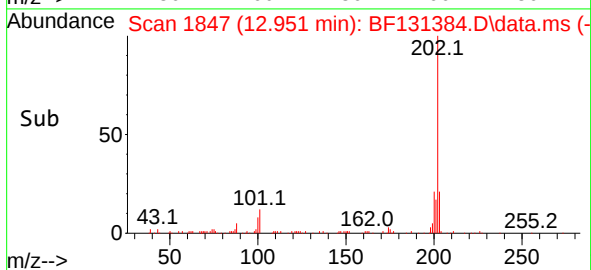
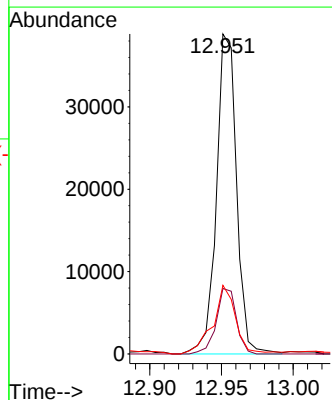
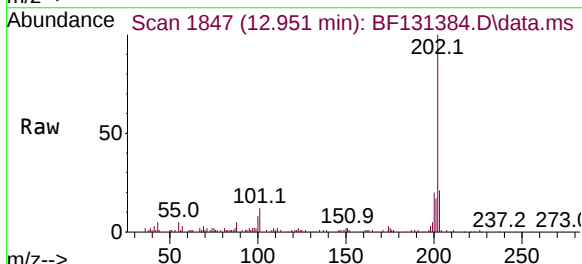
Manual Integrations
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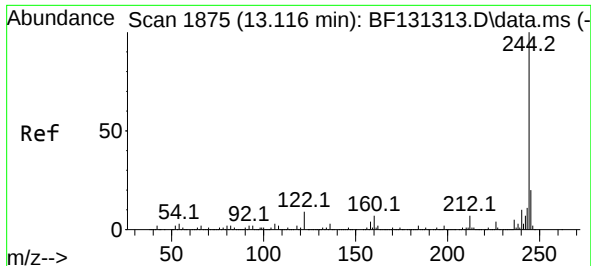
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#78
Pyrene
Concen: 2.216 ng m
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:202 Resp: 38017
Ion Ratio Lower Upper
202 100
200 20.4 16.9 25.3
203 21.4 13.9 20.9#





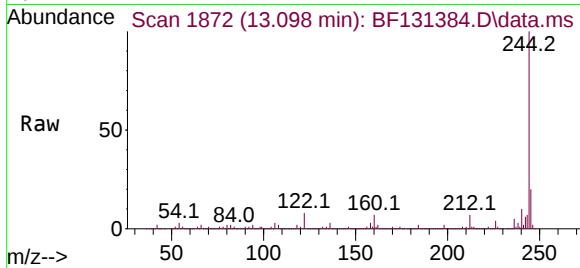
#79
Terphenyl-d14
Concen: 52.028 ng
RT: 13.098 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-10

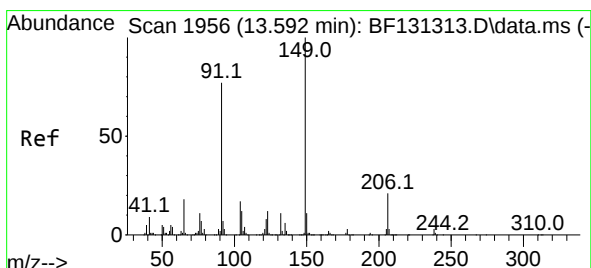
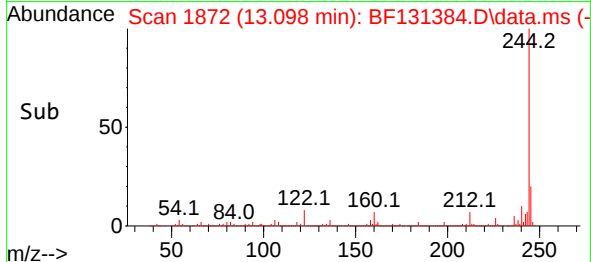
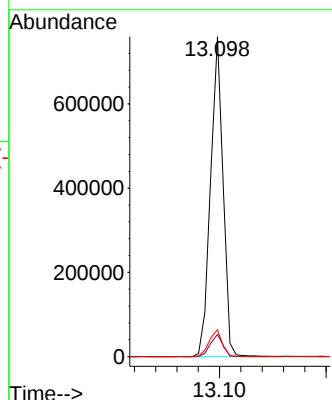


Tgt Ion:244 Resp: 618790
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 8.4 7.5 11.3

Manual Integrations

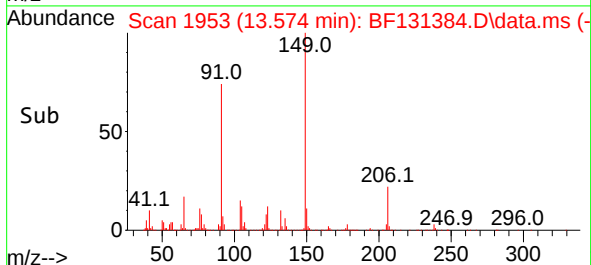
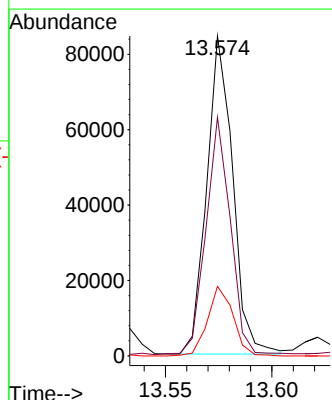
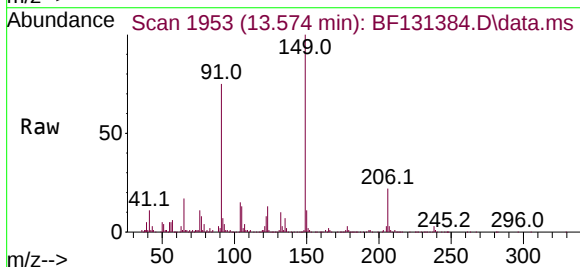
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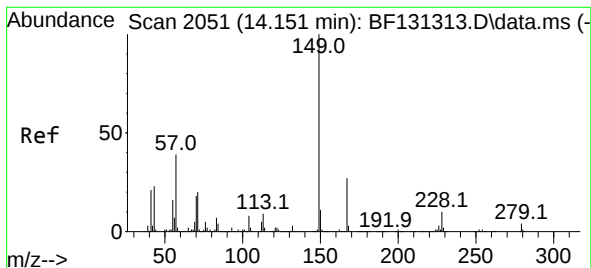
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#80
Butylbenzylphthalate
Concen: 15.499 ng
RT: 13.574 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:149 Resp: 71747
Ion Ratio Lower Upper
149 100
91 74.6 61.9 92.9
206 21.7 16.5 24.7





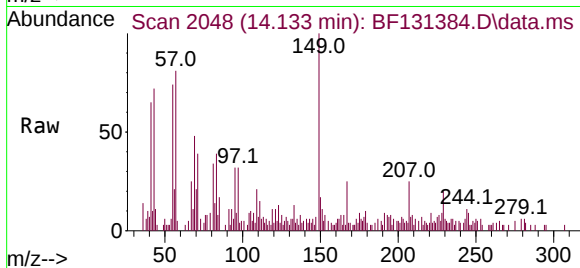
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.397 ng
RT: 14.133 min Scan# 2051
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-10

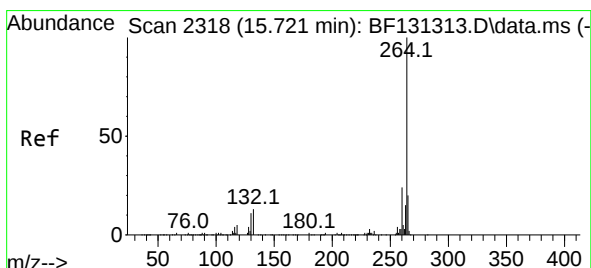
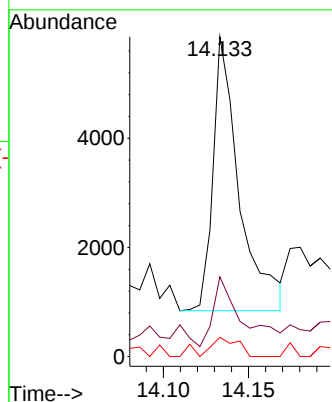
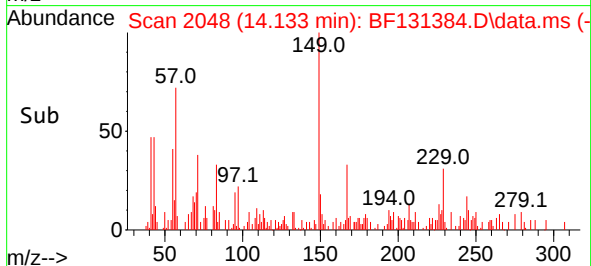


Tgt Ion:149 Resp: 5383
Ion Ratio Lower Upper
149 100
167 24.9 21.9 32.9
279 6.0 3.0 4.4

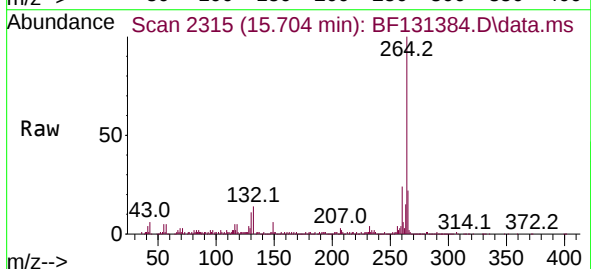
Manual Integrations

APPROVED

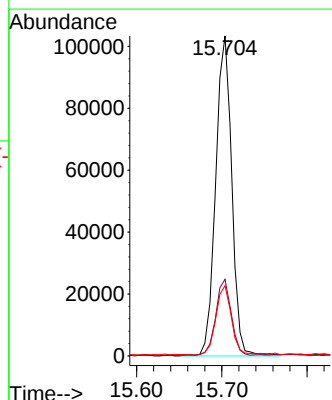
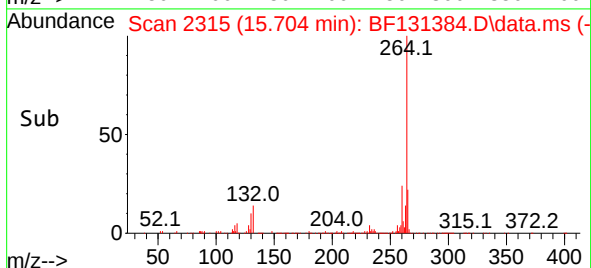
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

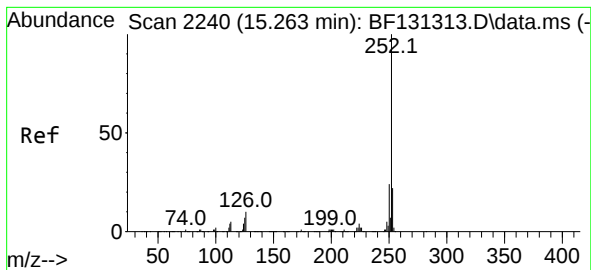


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.704 min Scan# 2315
Delta R.T. 0.012 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32



Tgt Ion:264 Resp: 135606
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 21.9 16.4 24.6





#88

Benzo(b)fluoranthene

Concen: 2.618 ng m

RT: 15.245 min Scan# 22

Delta R.T. 0.006 min

Lab File: BF131384.D

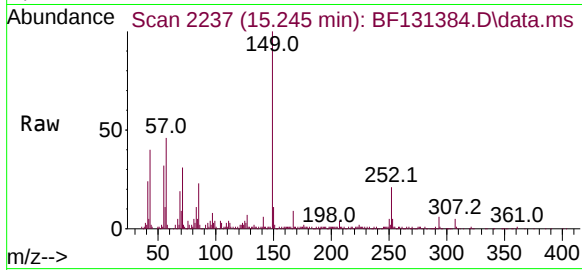
Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-10



Tgt Ion:252 Resp: 23585

Ion Ratio Lower Upper

252 100

253 25.4 17.5 26.3

125 19.1 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/25/2022

Supervised By :Jagrut Upadhyay 11/25/2022

