

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131788.D
 Acq On : 22 Dec 2022 21:18
 Operator : CG\JU
 Sample : N6183-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/23/2022
 Supervised By : Jagrut Upadhyay 12/24/2022

Quant Time: Dec 23 03:35:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	72619	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	260110	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	146794	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	261792	20.000	ng	0.00
76) Chrysene-d12	14.045	240	149177	20.000	ng	0.00
86) Perylene-d12	15.533	264	161695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	497396	115.336	ng	0.01
7) Phenol-d6	6.486	99	643156	110.801	ng	0.00
23) Nitrobenzene-d5	7.422	82	463930	72.407	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	168011	104.568	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	775316	73.987	ng	0.00
79) Terphenyl-d14	12.992	244	695386	72.650	ng	0.00
Target Compounds						
75) Fluoranthene	12.615	202	35311	2.221	ng	98
78) Pyrene	12.845	202	33363	2.460	ng	98
88) Benzo(b)fluoranthene	15.098	252	27207m	2.378	ng	
90) Benzo(a)pyrene	15.468	252	18520	2.044	ng	# 97

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

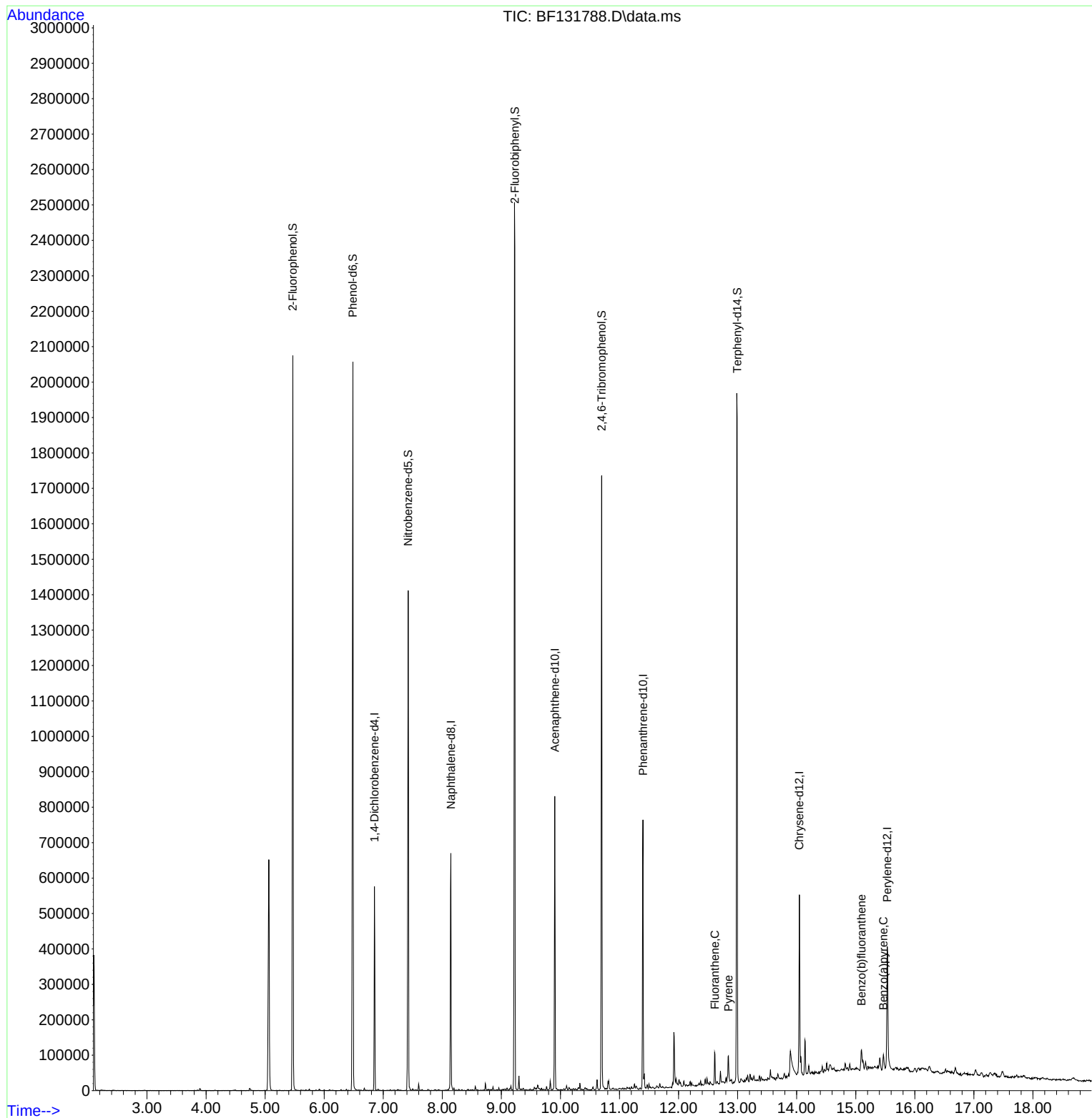
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131788.D
Acq On : 22 Dec 2022 21:18
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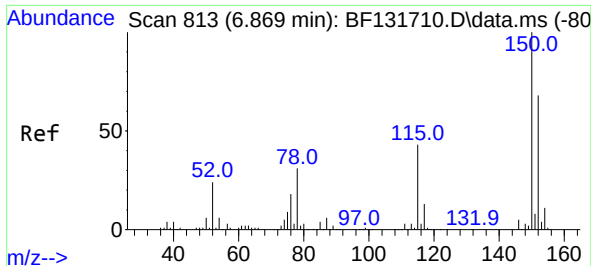
Instrument :
BNA_F
ClientSampleId :
R-2

Quant Time: Dec 23 03:35:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
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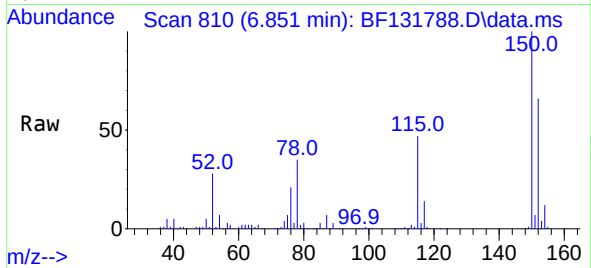
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

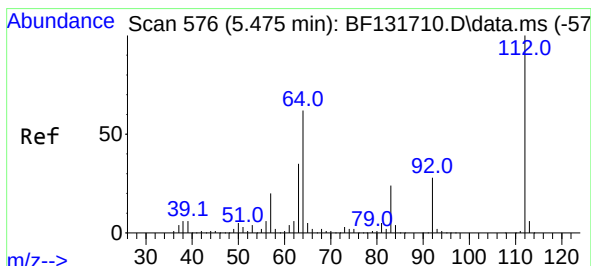
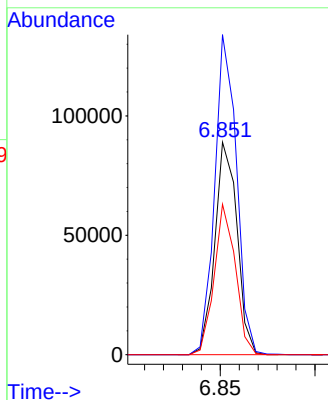
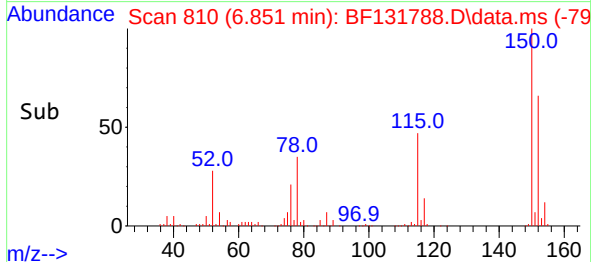
Instrument :
BNA_F
ClientSampleId :
R-2



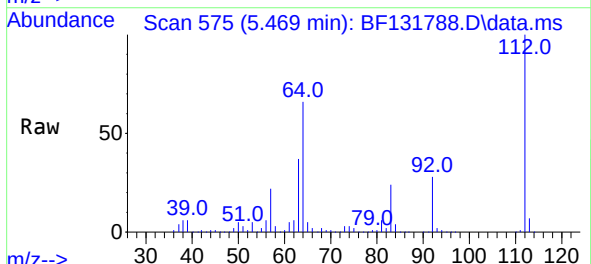
Tgt Ion:152 Resp: 72619
Ion Ratio Lower Upper
152 100
150 150.6 117.4 176.0
115 70.8 50.2 75.4

Manual Integrations
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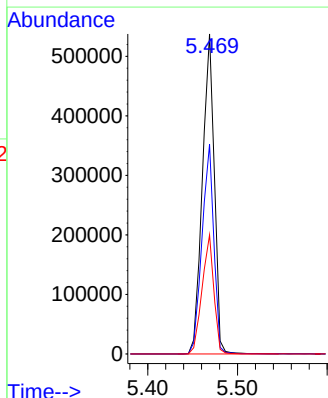
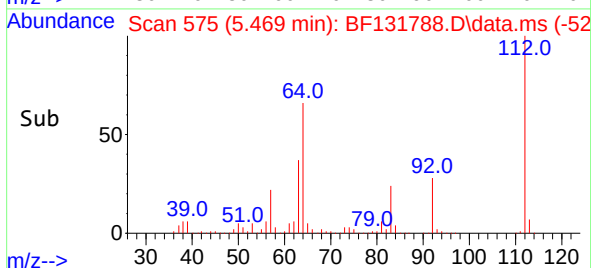
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

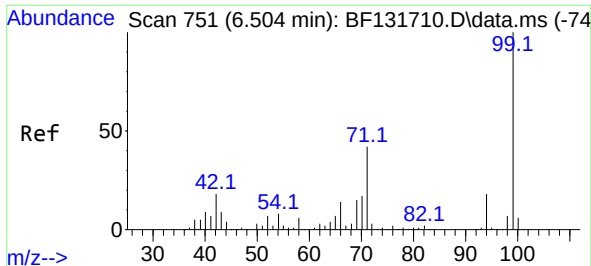


#5
2-Fluorophenol
Concen: 115.336 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18



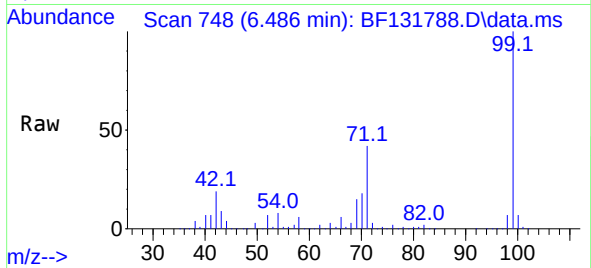
Tgt Ion:112 Resp: 497396
Ion Ratio Lower Upper
112 100
64 65.5 49.5 74.3
63 37.2 28.2 42.2





#7
Phenol-d6
Concen: 110.801 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

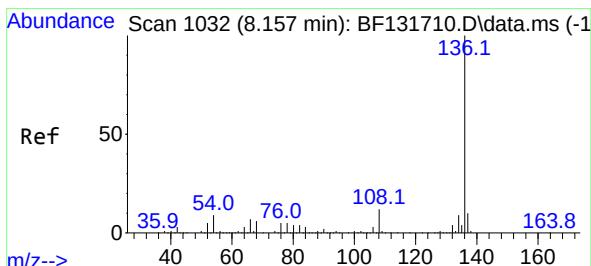
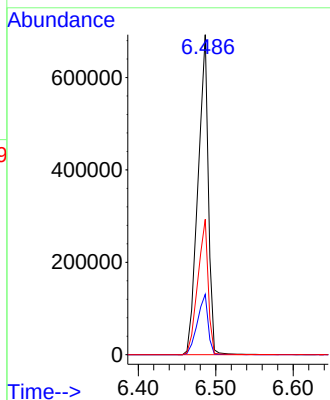
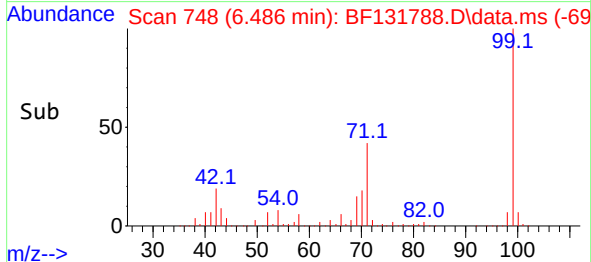
Instrument :
BNA_F
ClientSampleId :
R-2



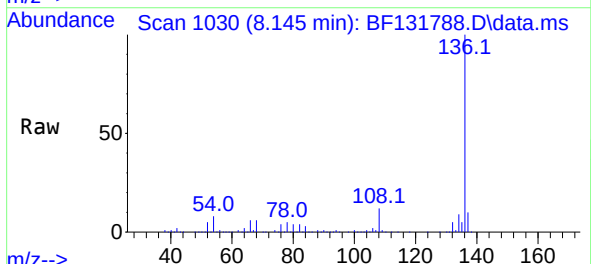
Tgt Ion: 99 Resp: 643150
Ion Ratio Lower Upper
99 100
42 18.9 14.8 22.2
71 42.3 33.8 50.6

Manual Integrations
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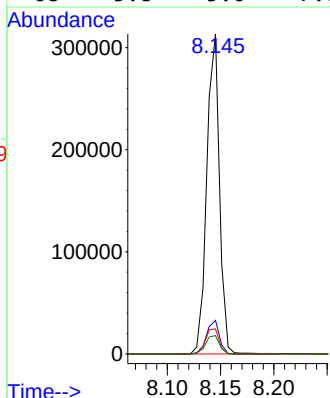
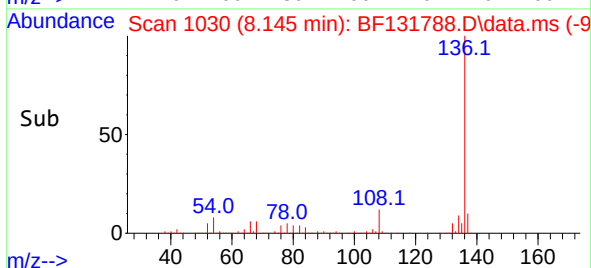
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

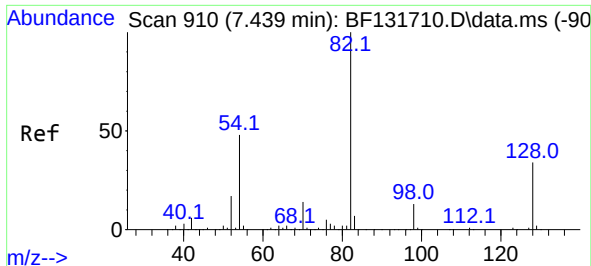


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18



Tgt Ion:136 Resp: 260110
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 7.9 7.2 10.8
68 5.8 5.0 7.6





#23

Nitrobenzene-d5

Concen: 72.407 ng

RT: 7.422 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

R-2

Tgt Ion: 82 Resp: 463930

Ion Ratio Lower Upper

82 100

128 34.2 27.3 40.9

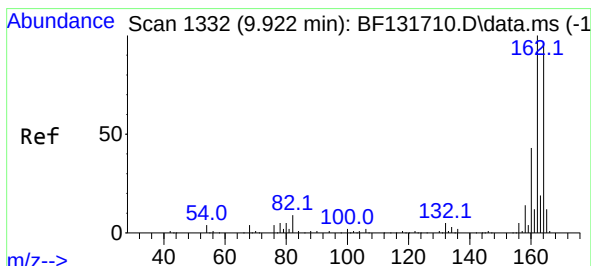
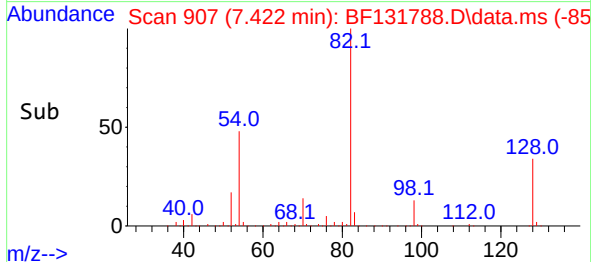
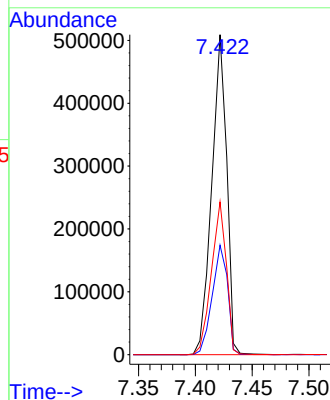
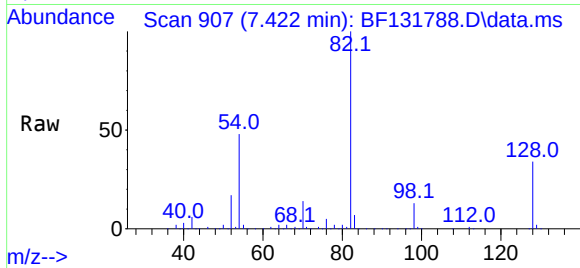
54 47.8 38.2 57.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

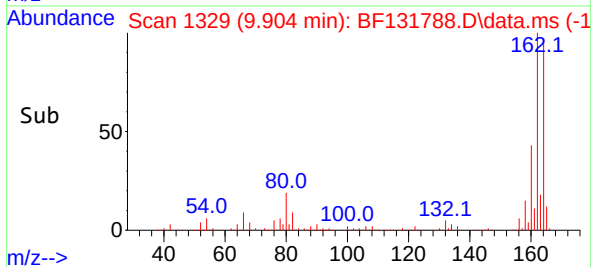
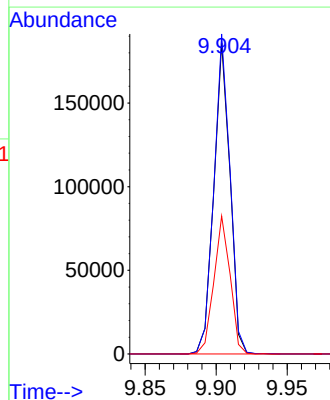
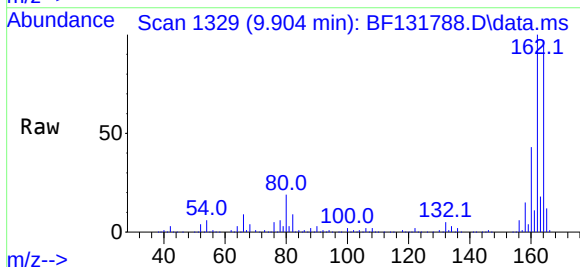
Tgt Ion:164 Resp: 146794

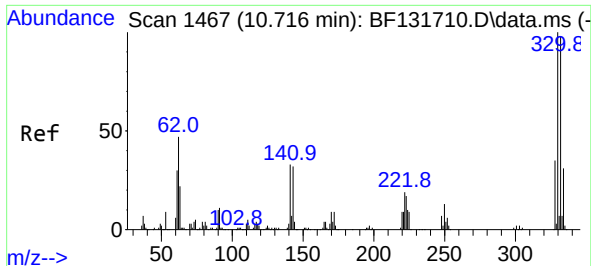
Ion Ratio Lower Upper

164 100

162 102.9 83.7 125.5

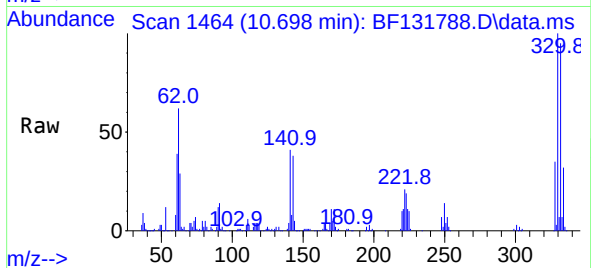
160 44.3 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 104.568 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

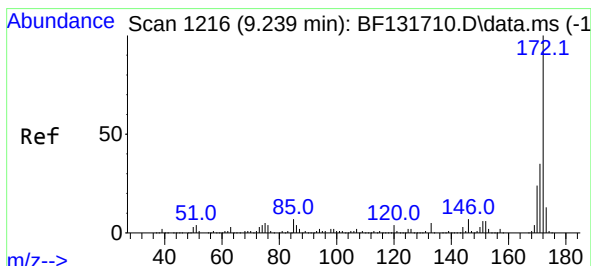
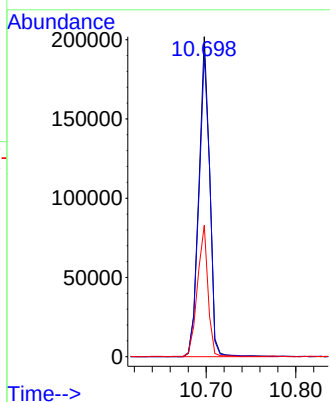
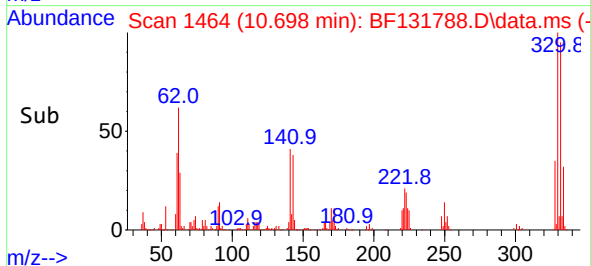
Instrument :
BNA_F
ClientSampleId :
R-2



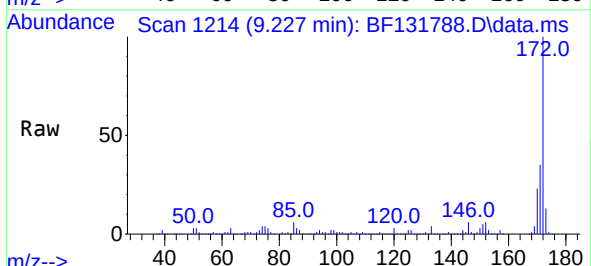
Tgt Ion: 330 Resp: 16801
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 40.2 30.4 45.6

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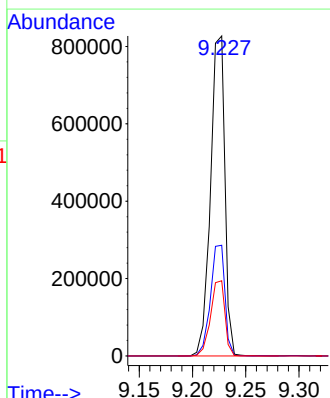
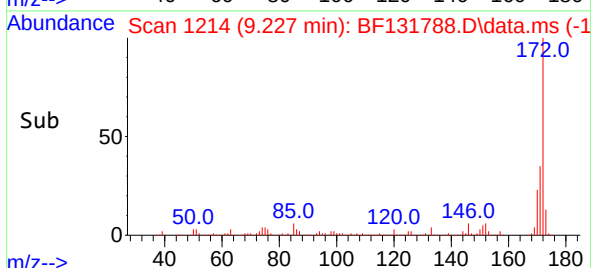
Reviewed By : Christian Giraldo 12/23/2022
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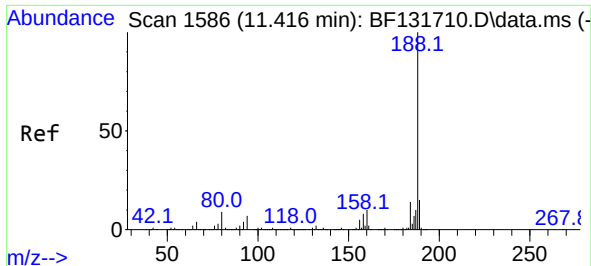


#45
2-Fluorobiphenyl
Concen: 73.987 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18



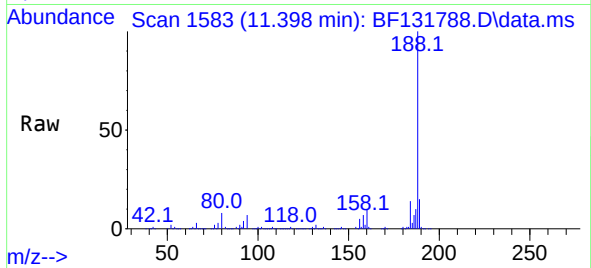
Tgt Ion: 172 Resp: 775316
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 23.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

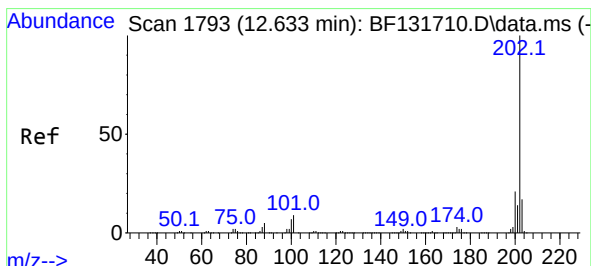
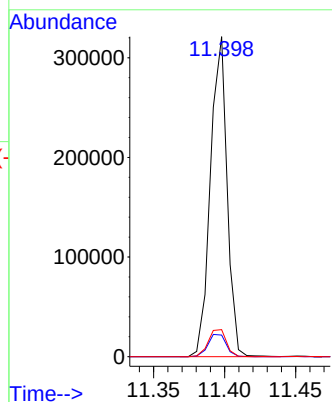
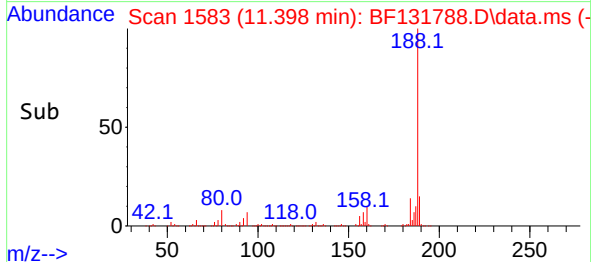
Instrument :
BNA_F
ClientSampleId :
R-2



Tgt Ion:188 Resp: 261792
Ion Ratio Lower Upper
188 100
94 6.8 5.9 8.9
80 8.5 7.0 10.6

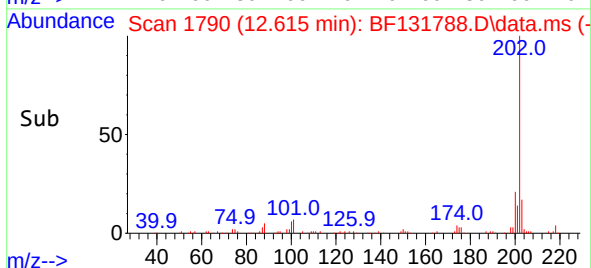
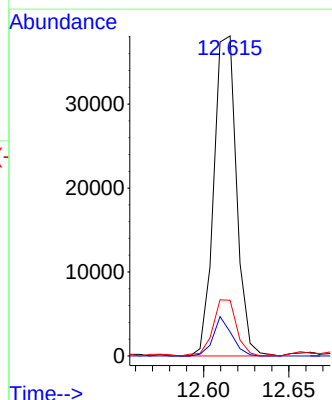
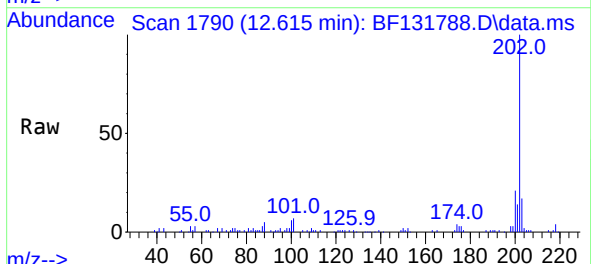
Manual Integrations
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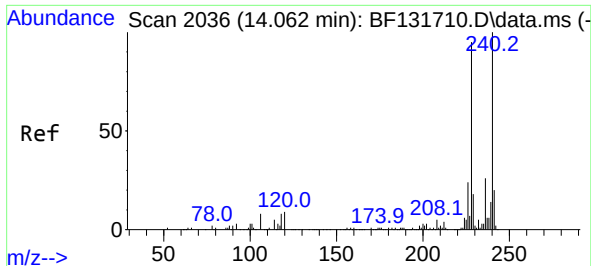
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#75
Fluoranthene
Concen: 2.221 ng
RT: 12.615 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

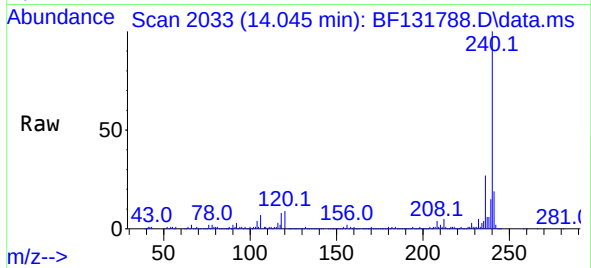
Tgt Ion:202 Resp: 35311
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.8
203 17.4 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

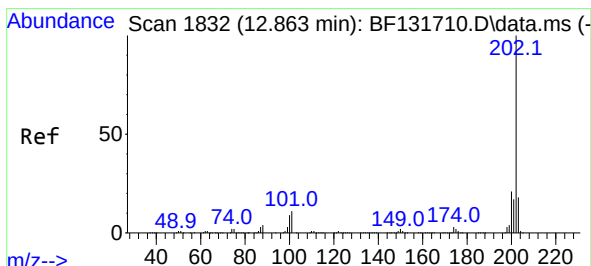
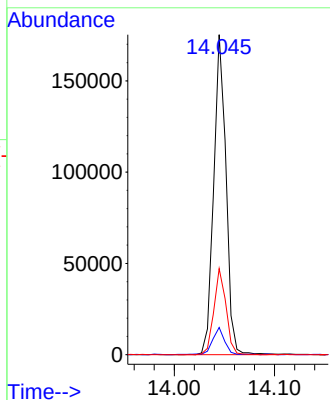
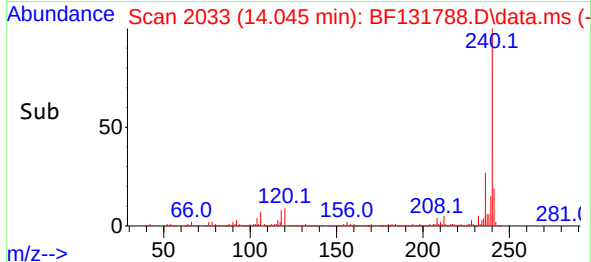
Instrument :
BNA_F
ClientSampleId :
R-2



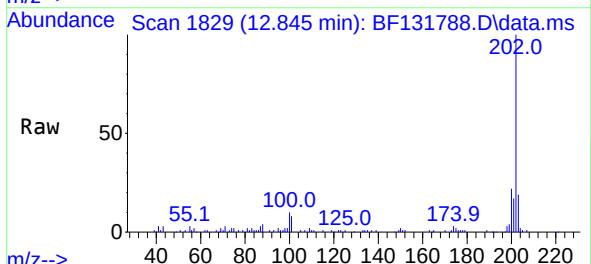
Tgt Ion:240 Resp: 14917
Ion Ratio Lower Upper
240 100
120 8.5 7.6 11.4
236 26.9 21.2 31.8

Manual Integrations
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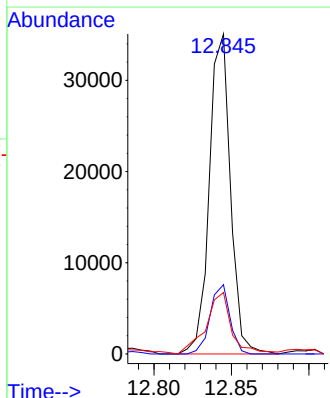
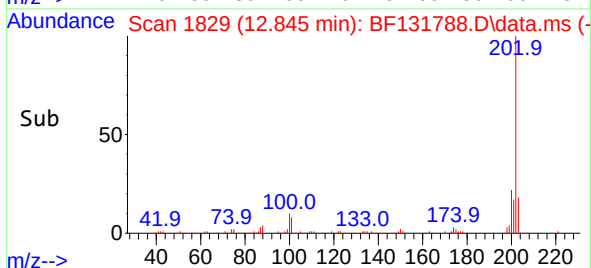
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022

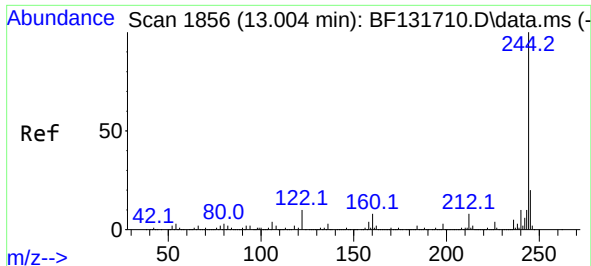


#78
Pyrene
Concen: 2.460 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18



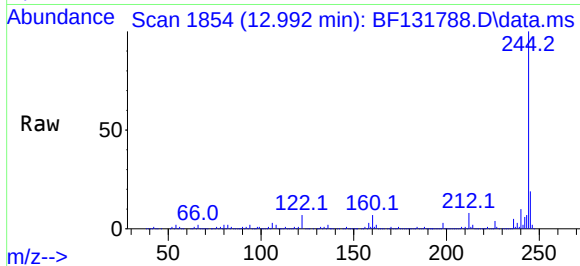
Tgt Ion:202 Resp: 33363
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 19.2 14.1 21.1





#79
Terphenyl-d14
Concen: 72.650 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

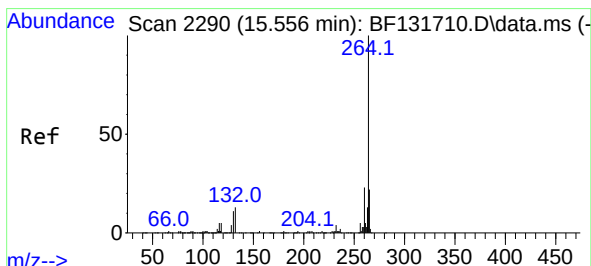
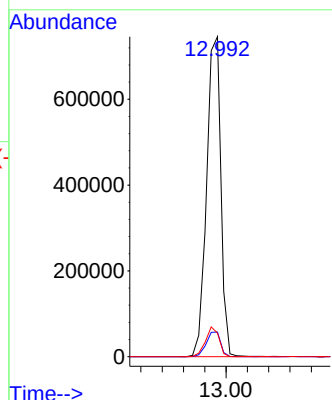
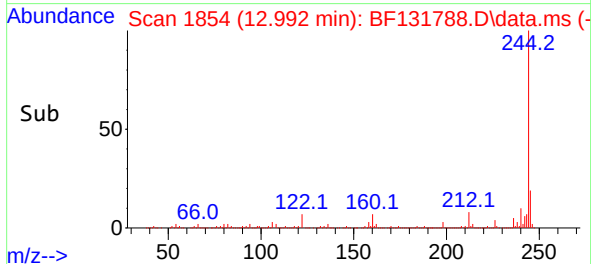
Instrument :
BNA_F
ClientSampleId :
R-2



Tgt Ion:244 Resp: 695380
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 7.3 7.7 11.5

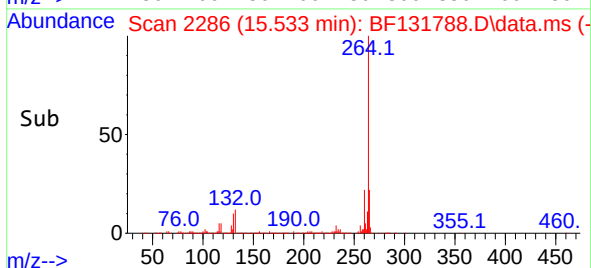
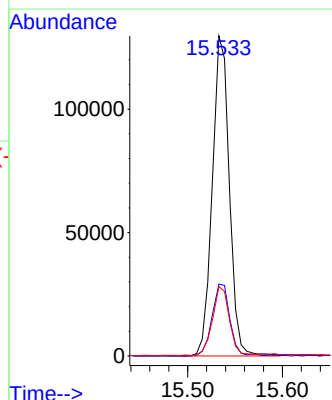
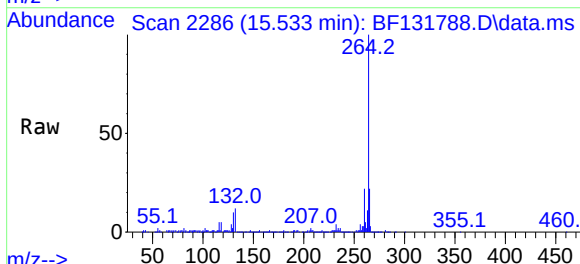
Manual Integrations
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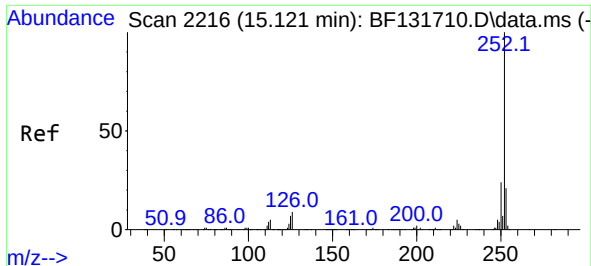
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

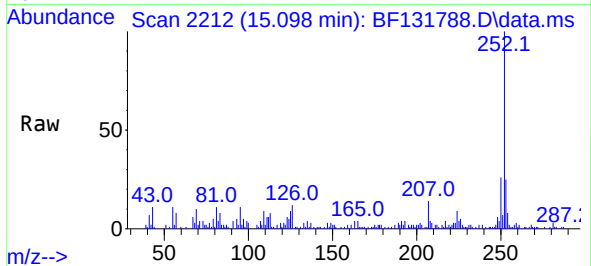
Tgt Ion:264 Resp: 161695
Ion Ratio Lower Upper
264 100
260 22.5 18.6 28.0
265 21.7 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 2.378 ng m
RT: 15.098 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

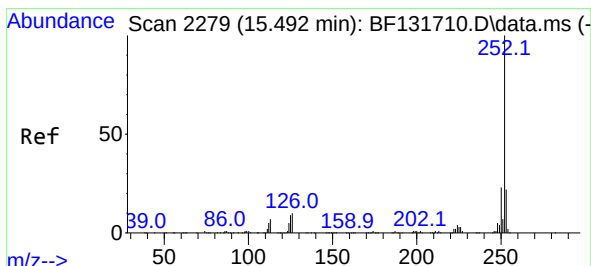
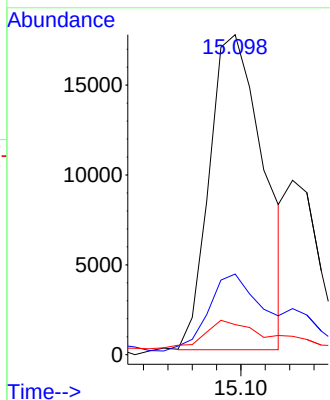
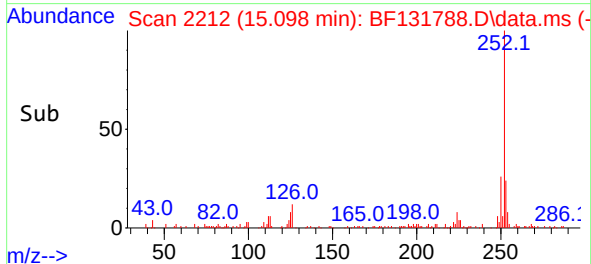
Instrument :
BNA_F
ClientSampleId :
R-2



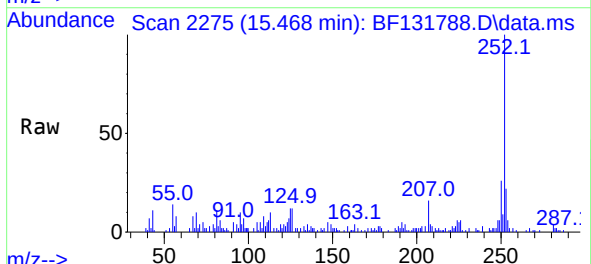
Tgt Ion:252 Resp: 2720
Ion Ratio Lower Upper
252 100
253 25.2 17.2 25.8
125 9.4 5.5 8.3

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#90
Benzo(a)pyrene
Concen: 2.044 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18



Tgt Ion:252 Resp: 18520
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 11.9 7.0 10.4

