

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122722\
 Data File : BF131849.D
 Acq On : 27 Dec 2022 21:36
 Operator : CG\JU
 Sample : N6202-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UGC-COMP-2

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/28/2022
 Supervised By : Jagrut Upadhyay 12/28/2022

Quant Time: Dec 28 00:42:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 26 05:13:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	72925	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	247589	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	126644	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	196609	20.000	ng	0.00
76) Chrysene-d12	14.033	240	135403	20.000	ng	0.00
86) Perylene-d12	15.521	264	130593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	391979	89.077	ng	0.00
7) Phenol-d6	6.469	99	624273	107.980	ng	0.00
23) Nitrobenzene-d5	7.404	82	469292	75.677	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	76431	55.546	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	782129	84.592	ng	0.00
79) Terphenyl-d14	12.974	244	610229	76.233	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	39374	3.642	ng	97
75) Fluoranthene	12.598	202	66583	5.287	ng	97
78) Pyrene	12.827	202	57694	5.084	ng	99
81) Benzo(a)anthracene	14.021	228	30047	3.065	ng	92
83) Chrysene	14.057	228	31420	3.411	ng	95
84) Bis(2-ethylhexyl)phtha...	14.010	149	27043	5.276	ng	98
88) Benzo(b)fluoranthene	15.080	252	38349m	4.005	ng	
90) Benzo(a)pyrene	15.451	252	25459	3.434	ng	# 81
92) Benzo(g,h,i)perylene	17.462	276	14156	6.816	ng	# 93

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

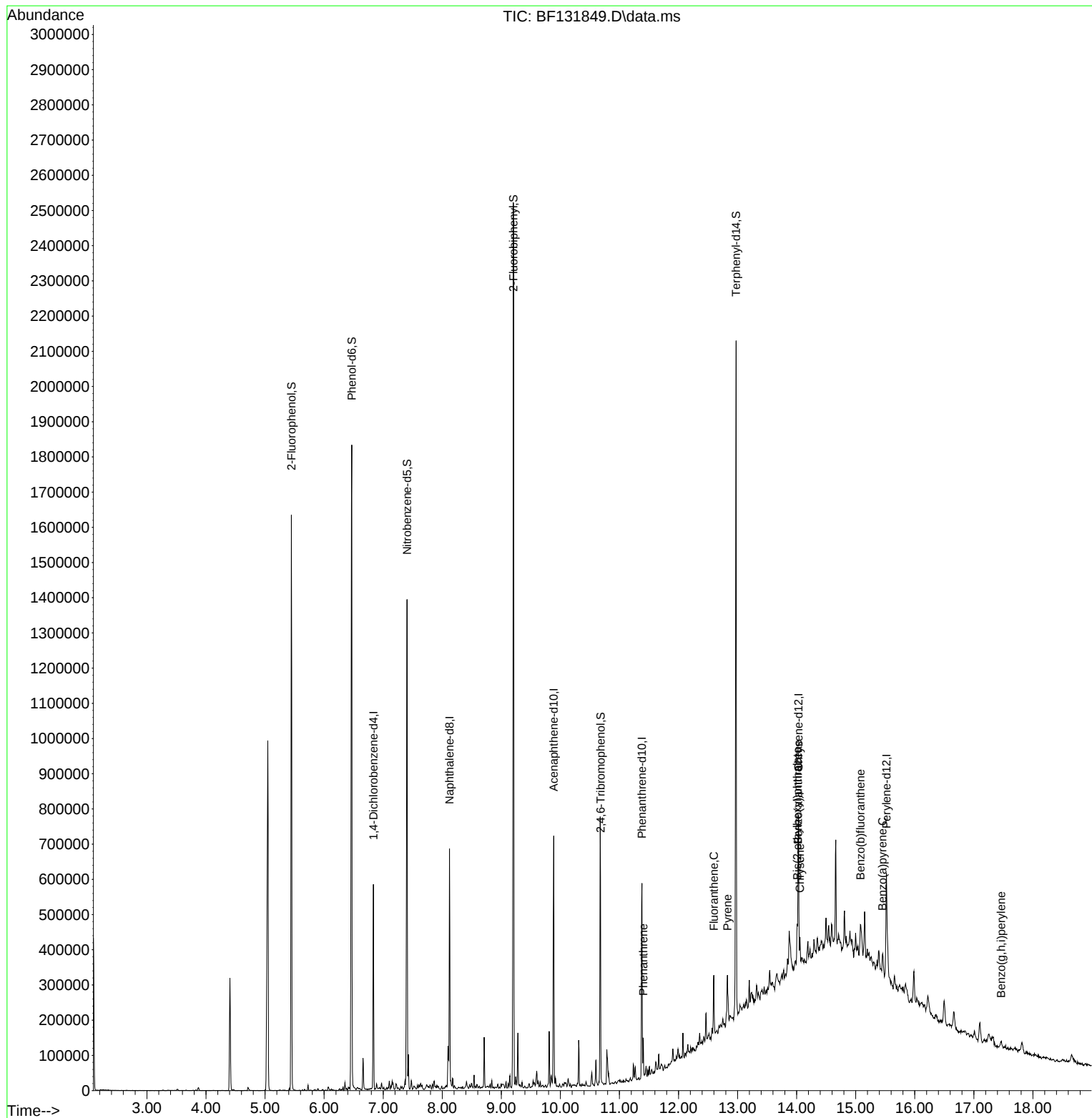
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122722\
Data File : BF131849.D
Acq On : 27 Dec 2022 21:36
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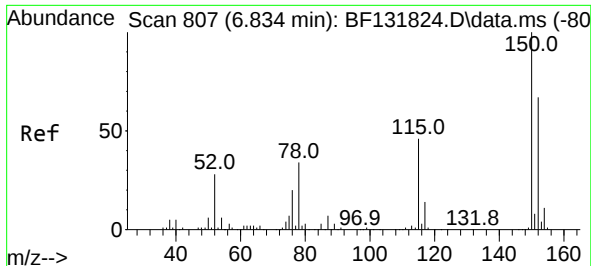
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

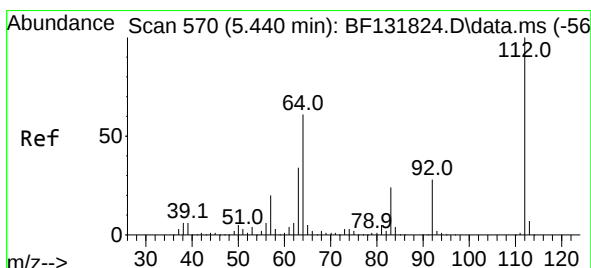
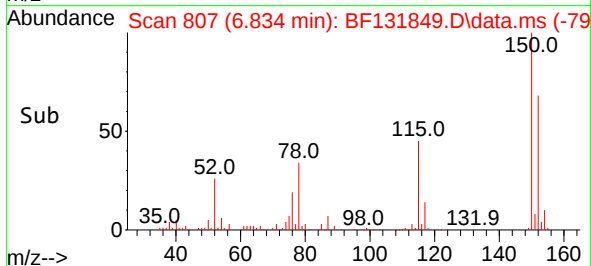
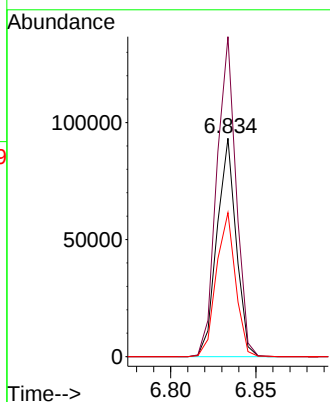
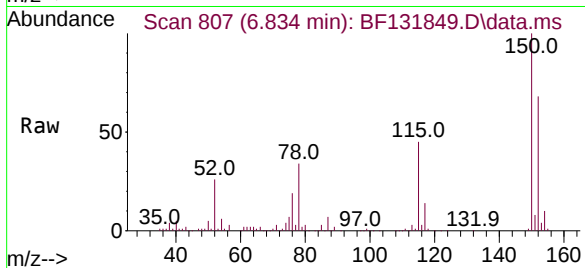
UGC-COMP-2

Tgt Ion:152 Resp: 72925
Ion Ratio Lower Upper
152 100
150 146.6 120.0 180.0
115 65.9 55.1 82.7

Manual Integrations

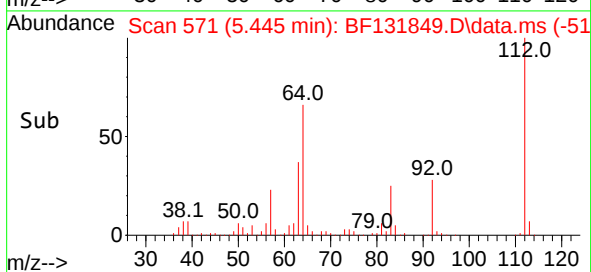
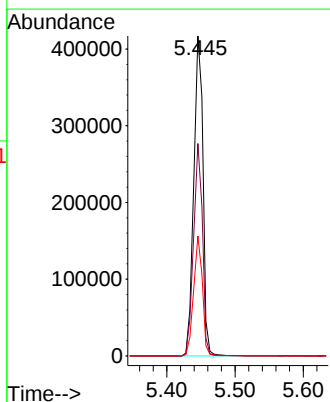
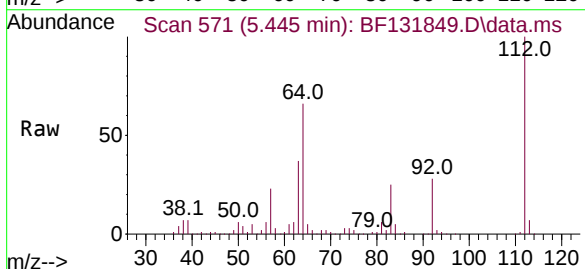
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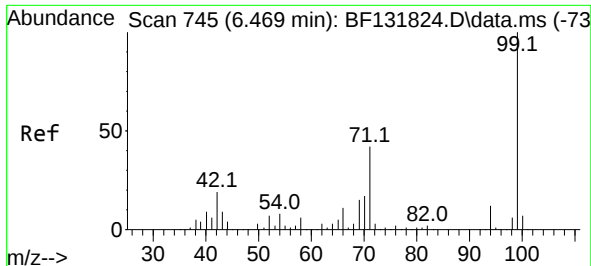
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Supervised By :Jagrut Upadhyay 12/28/2022



#5
2-Fluorophenol
Concen: 89.077 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

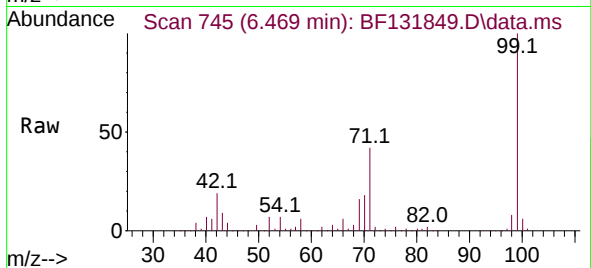
Tgt Ion:112 Resp: 391979
Ion Ratio Lower Upper
112 100
64 66.4 49.2 73.8
63 37.5 27.5 41.3





#7
Phenol-d6
Concen: 107.980 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

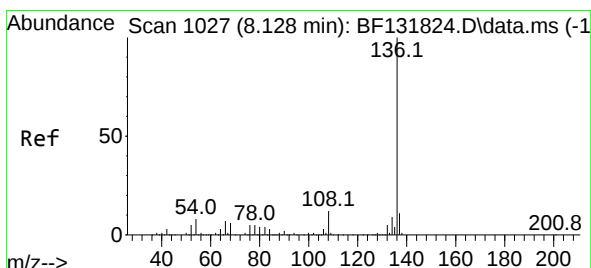
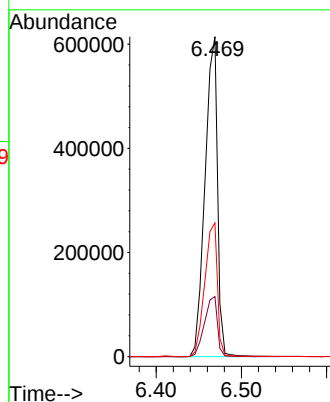
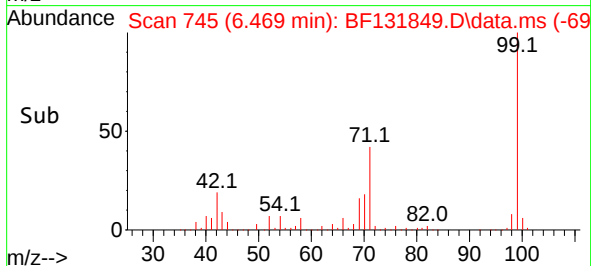
Instrument :
BNA_F
ClientSampleId :
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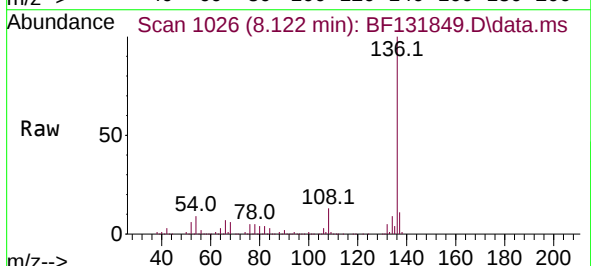
Tgt Ion: 99 Resp: 624273
Ion Ratio Lower Upper
99 100
42 18.8 15.3 22.9
71 41.8 33.5 50.3

Manual Integrations
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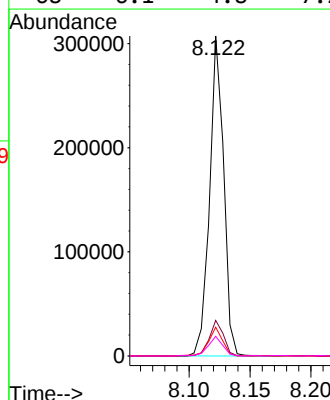
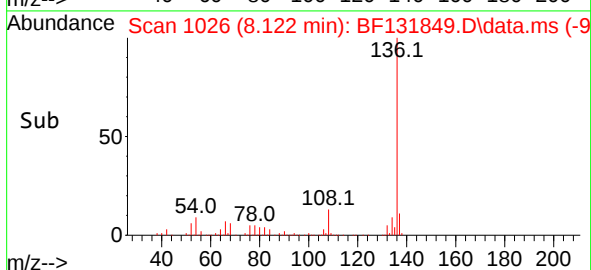
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022

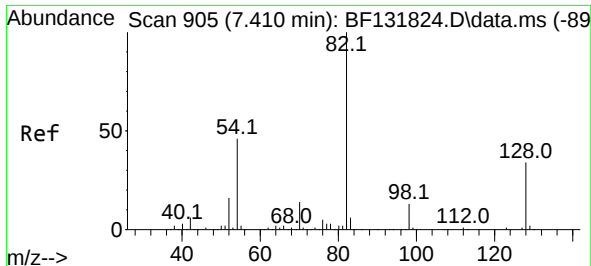


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36



Tgt Ion:136 Resp: 247589
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.0 6.7 10.1
68 6.1 4.8 7.2





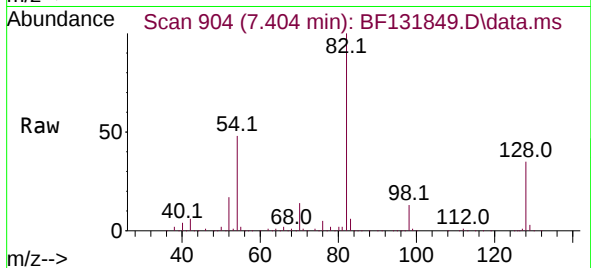
#23
Nitrobenzene-d5
Concen: 75.677 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

UGC-COMP-2

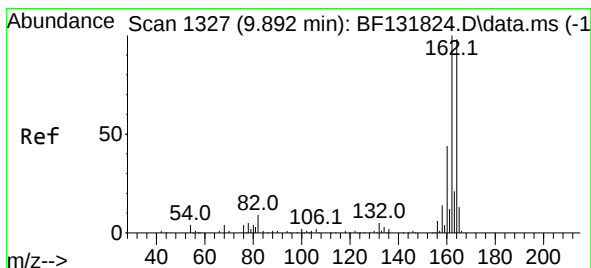
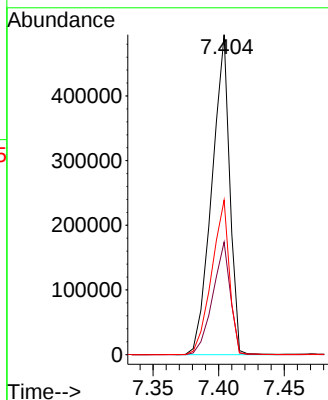
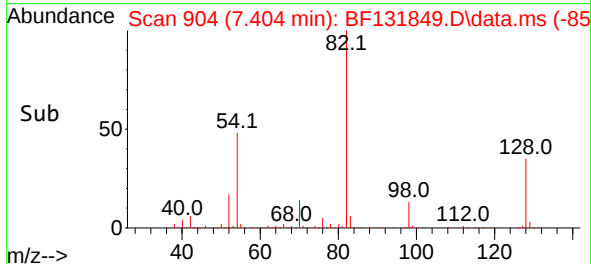


Tgt Ion: 82 Resp: 469292
Ion Ratio Lower Upper
82 100
128 35.2 27.1 40.7
54 48.3 37.0 55.6

Manual Integrations

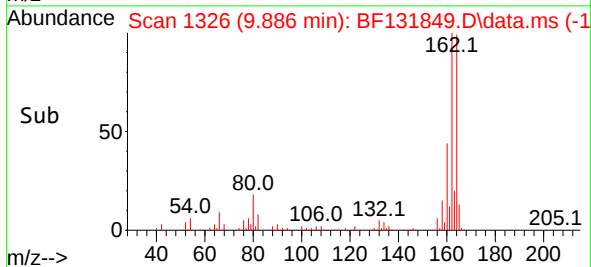
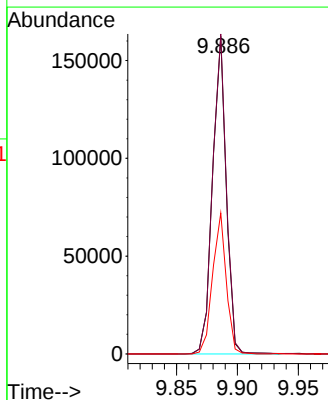
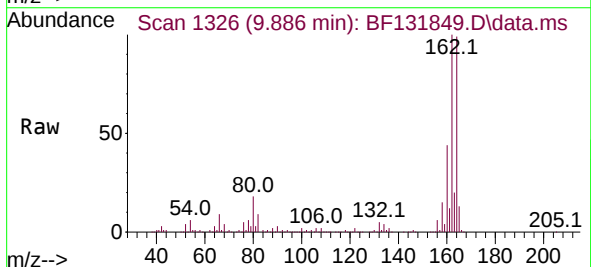
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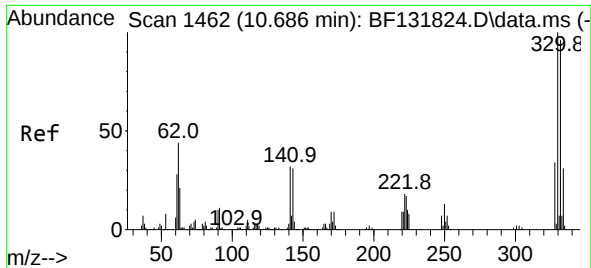
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Tgt Ion:164 Resp: 126644
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.6
160 44.4 35.7 53.5





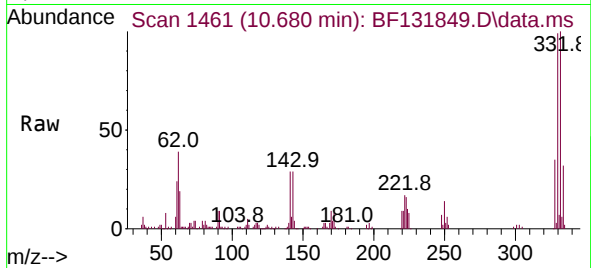
#42
2,4,6-Tribromophenol
Concen: 55.546 ng
RT: 10.680 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

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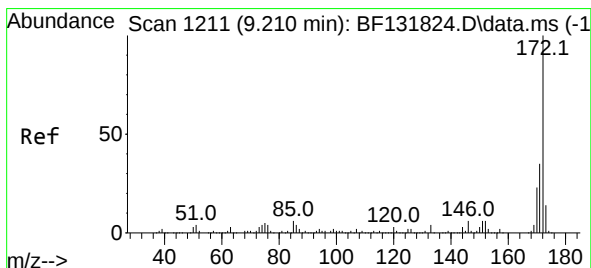
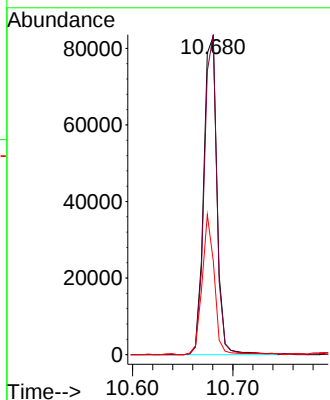
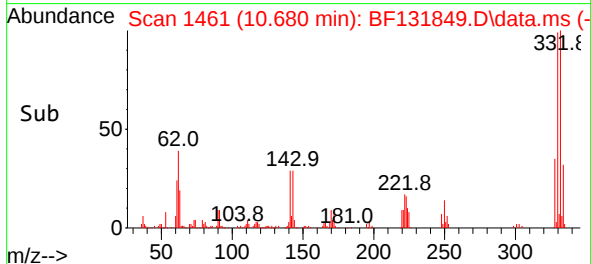


Tgt Ion: 330 Resp: 76431
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 40.6 31.0 46.4

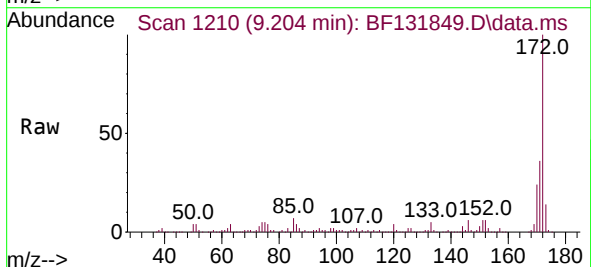
Manual Integrations

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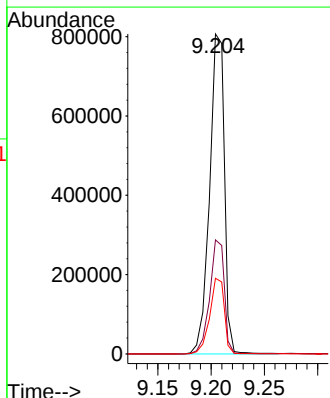
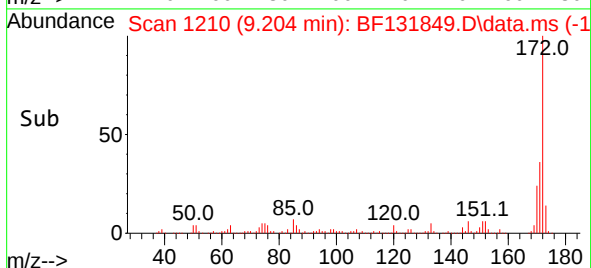
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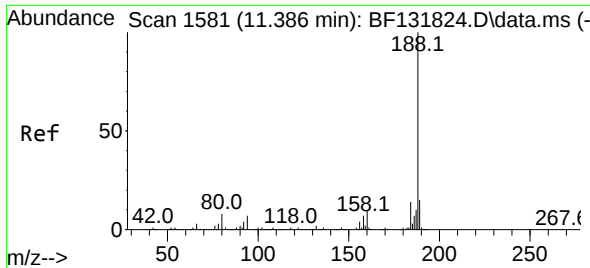


#45
2-Fluorobiphenyl
Concen: 84.592 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36



Tgt Ion: 172 Resp: 782129
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 23.6 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

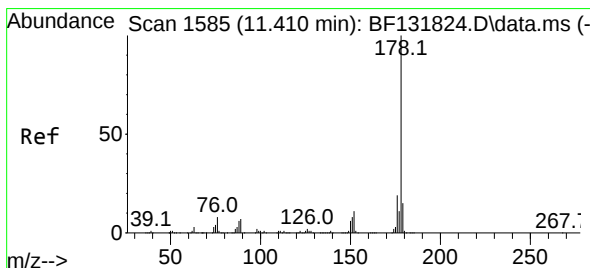
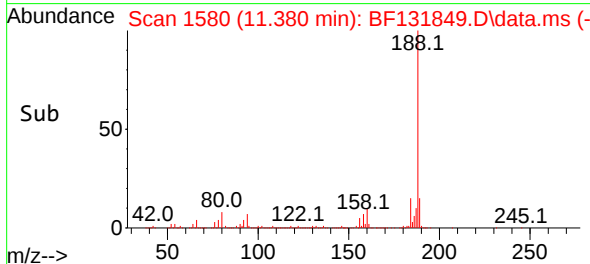
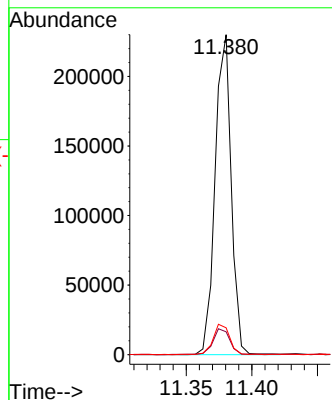
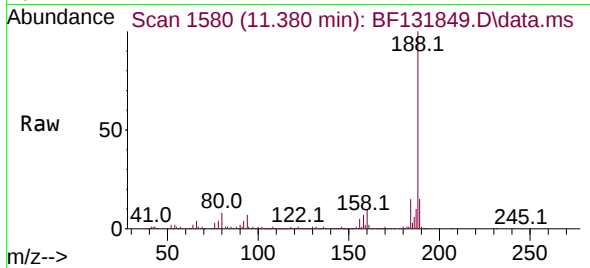
UGC-COMP-2

Tgt Ion:188 Resp: 196609
Ion Ratio Lower Upper
188 100
94 7.1 5.8 8.6
80 8.4 6.7 10.1

Manual Integrations

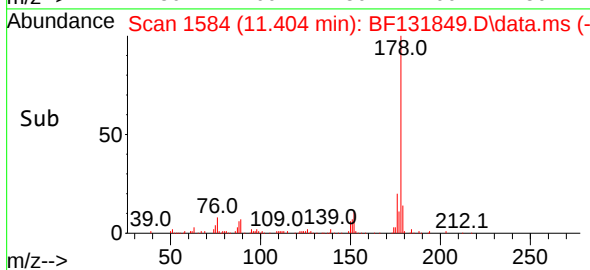
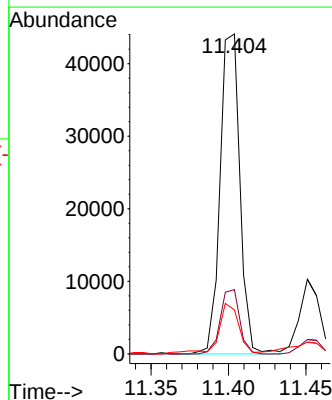
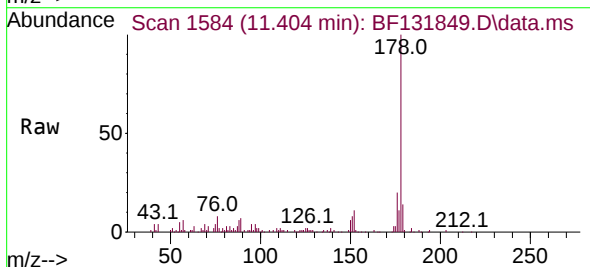
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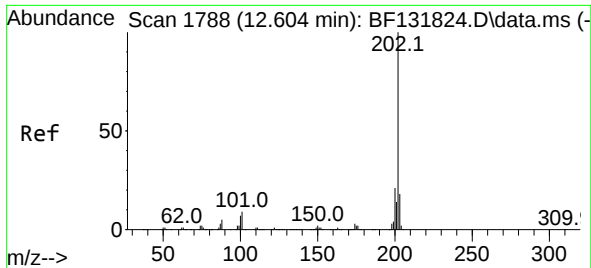
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#71
Phenanthrene
Concen: 3.642 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Tgt Ion:178 Resp: 39374
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 13.7 12.2 18.4





#75
Fluoranthene
Concen: 5.287 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

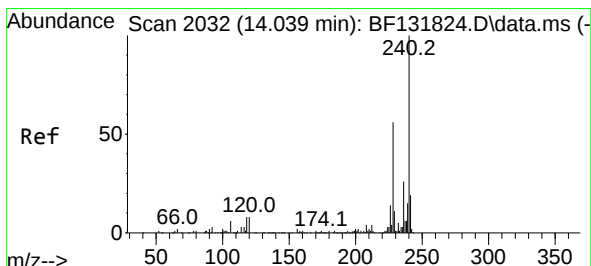
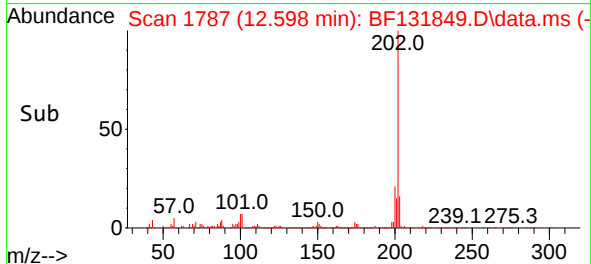
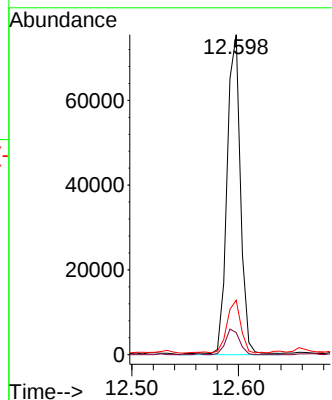
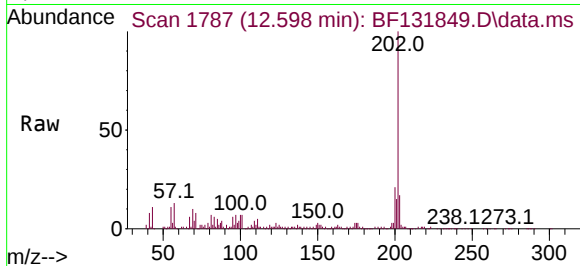
UGC-COMP-2

Tgt Ion:202 Resp: 66583
Ion Ratio Lower Upper
202 100
101 6.9 0.0 28.6
203 17.0 0.0 37.8

Manual Integrations

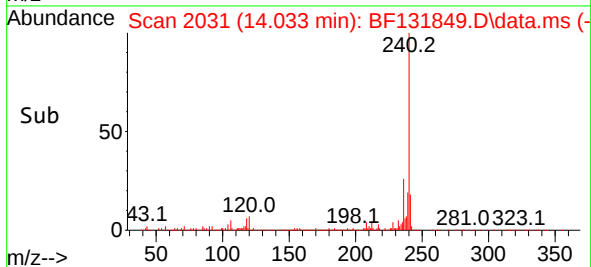
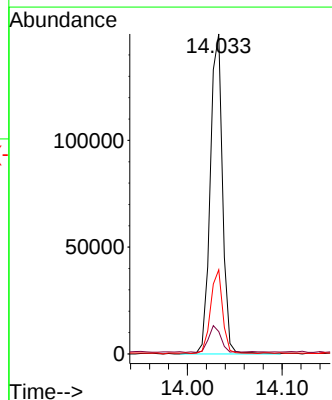
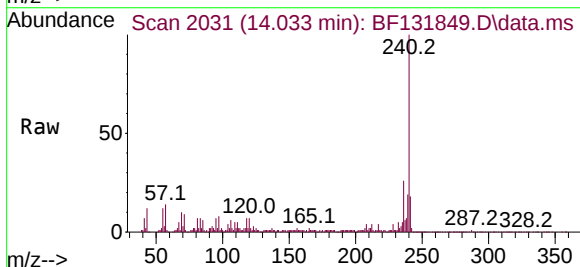
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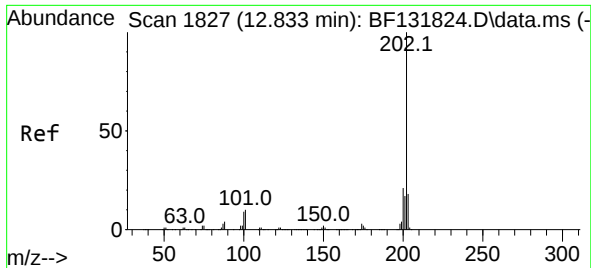
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Tgt Ion:240 Resp: 135403
Ion Ratio Lower Upper
240 100
120 7.0 6.7 10.1
236 26.3 20.6 31.0





#78
Pyrene
Concen: 5.084 ng
RT: 12.827 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

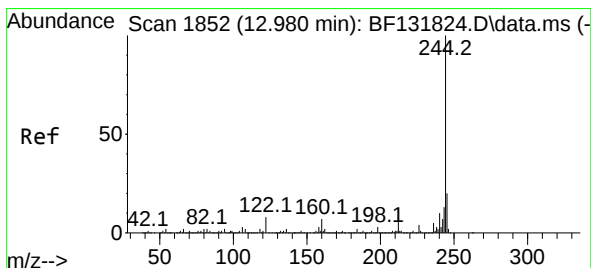
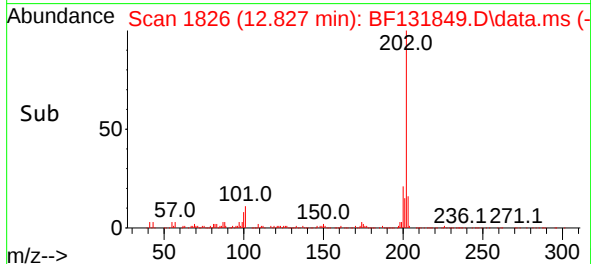
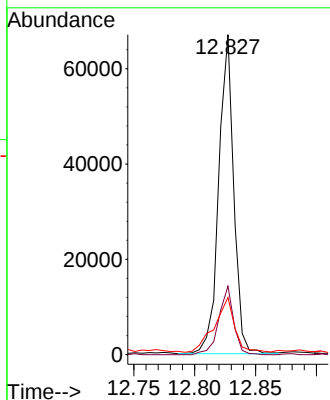
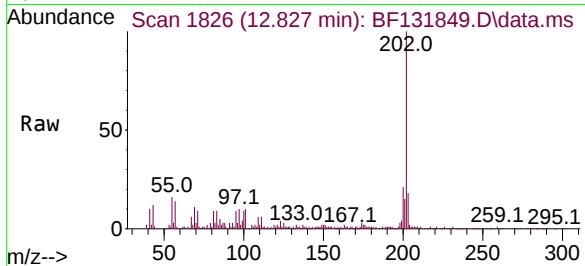
UGC-COMP-2

Tgt Ion:202 Resp: 57694
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 17.8 14.4 21.6

Manual Integrations

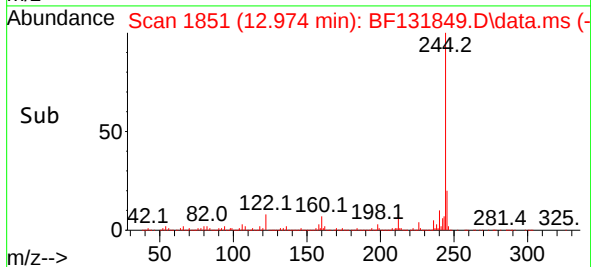
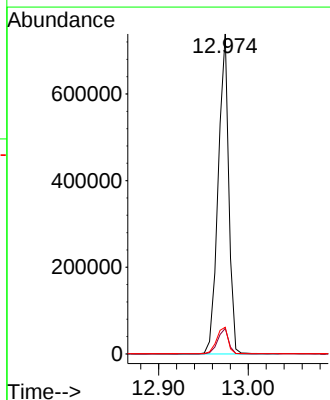
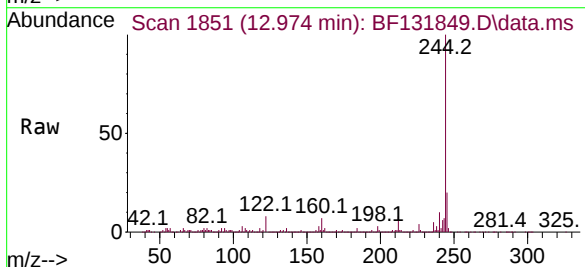
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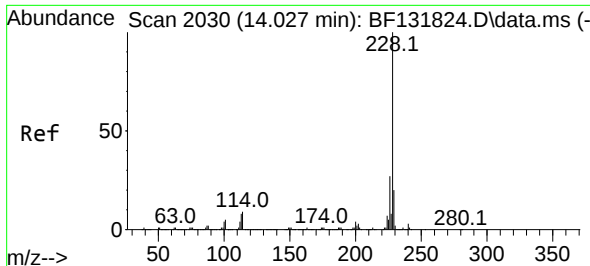
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#79
Terphenyl-d14
Concen: 76.233 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Tgt Ion:244 Resp: 610229
Ion Ratio Lower Upper
244 100
212 8.0 6.3 9.5
122 8.3 6.4 9.6





#81
Benzo(a)anthracene
Concen: 3.065 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

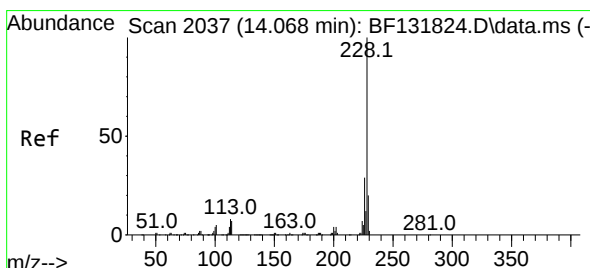
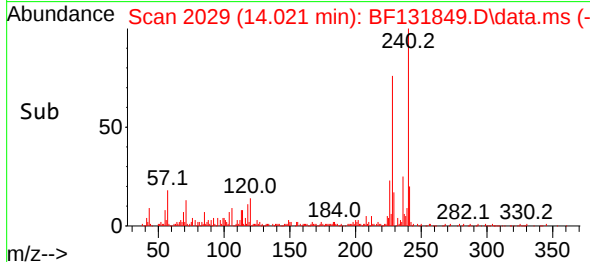
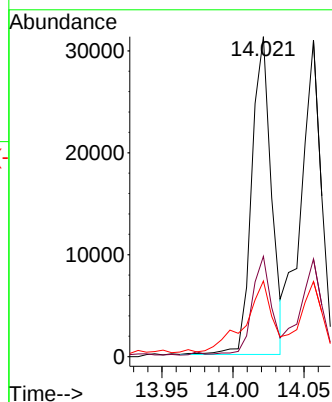
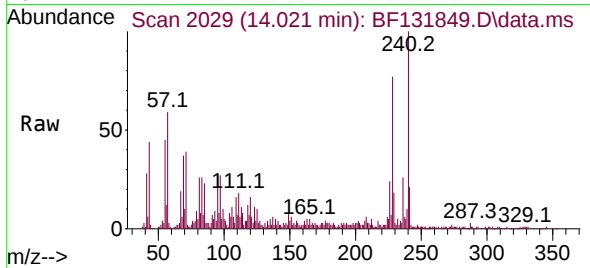
ClientSampleId :

UGC-COMP-2

Tgt Ion:228 Resp: 3004
Ion Ratio Lower Upper
228 100
226 31.3 22.0 33.0
229 23.6 16.0 24.0

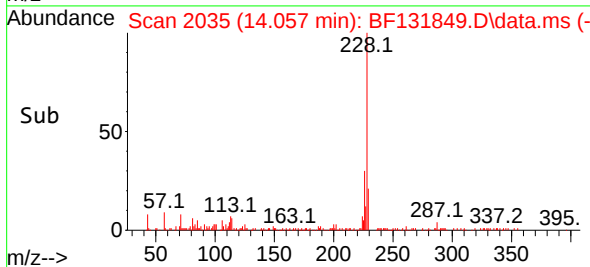
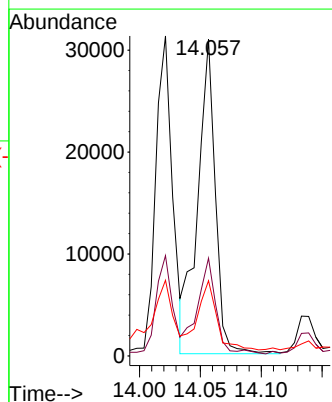
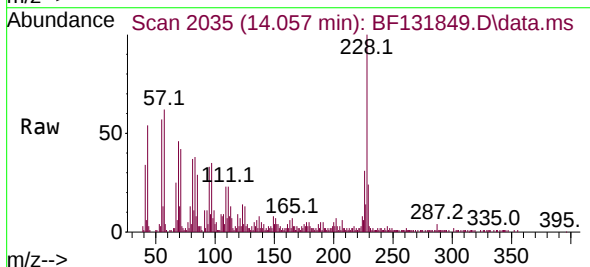
Manual Integrations
APPROVED

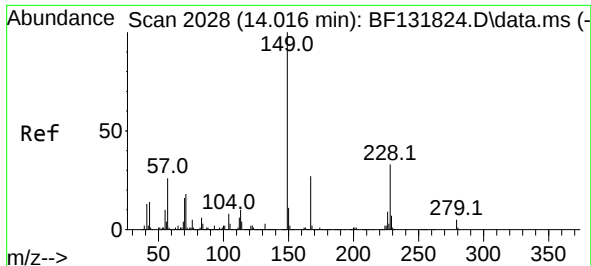
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#83
Chrysene
Concen: 3.411 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Tgt Ion:228 Resp: 31420
Ion Ratio Lower Upper
228 100
226 30.8 23.5 35.3
229 23.7 16.2 24.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.276 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

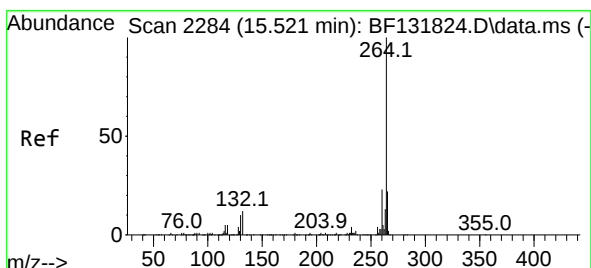
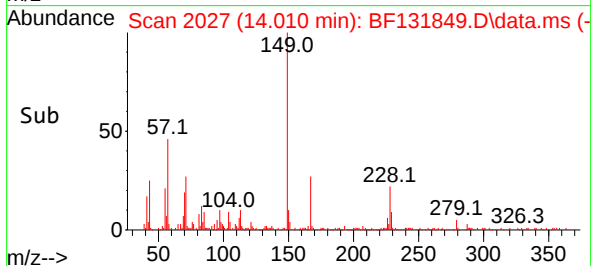
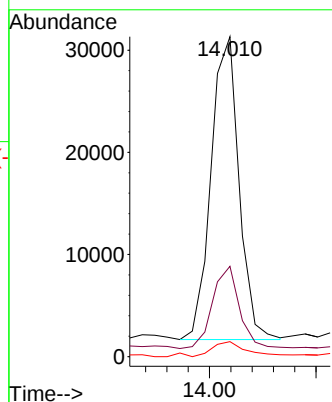
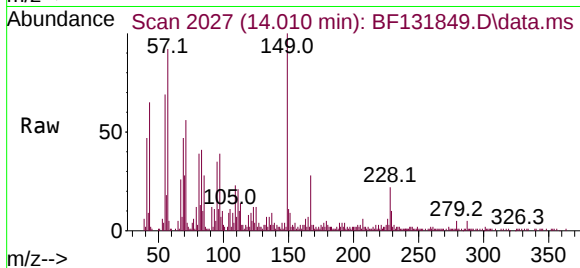
UGC-COMP-2

Tgt Ion:149 Resp: 27043
Ion Ratio Lower Upper
149 100
167 28.2 21.8 32.6
279 4.7 3.9 5.9

Manual Integrations

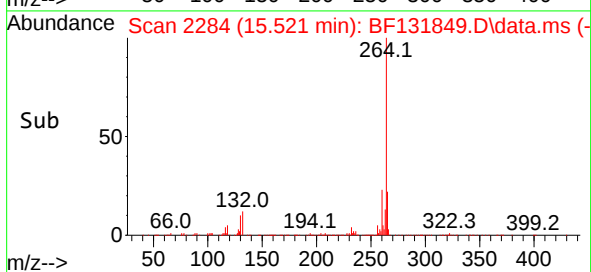
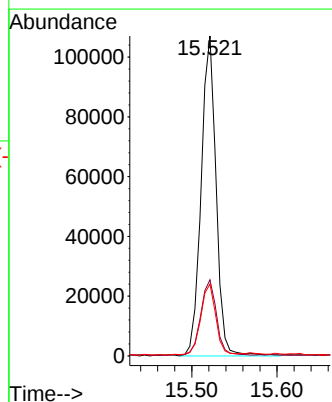
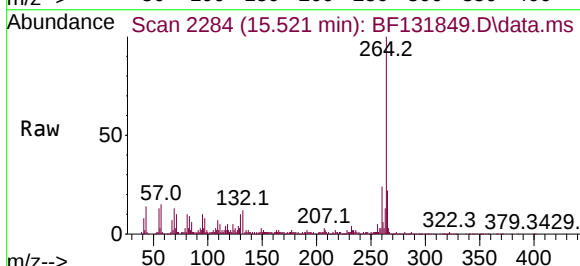
APPROVED

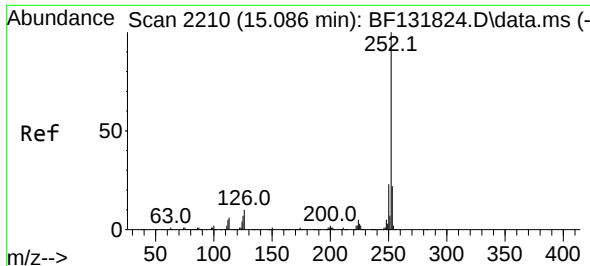
Reviewed By :Christian Giraldo 12/28/2022
Supervised By :Jagrut Upadhyay 12/28/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BF131849.D
Acq: 27 Dec 2022 21:36

Tgt Ion:264 Resp: 130593
Ion Ratio Lower Upper
264 100
260 23.8 18.6 28.0
265 22.5 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 4.005 ng m

RT: 15.080 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF131849.D

Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

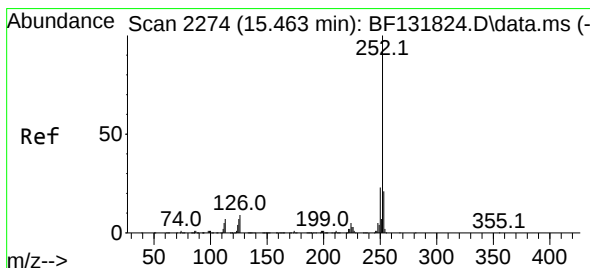
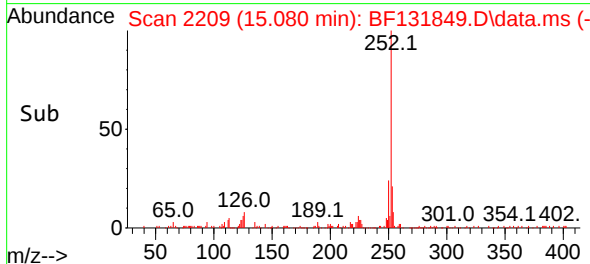
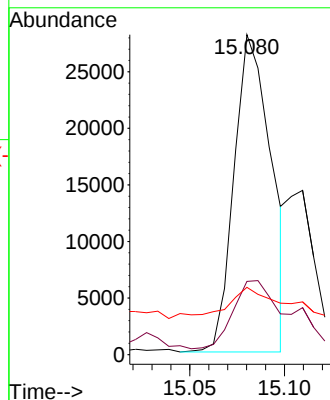
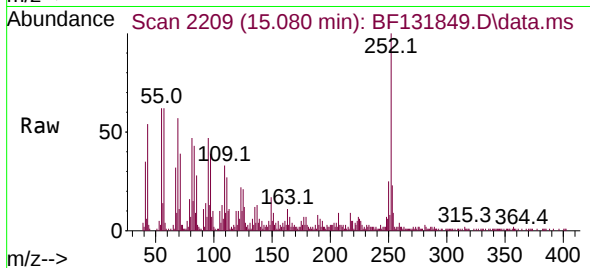
UGC-COMP-2

Tgt Ion:252 Resp: 38349
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.6 26.4
 125 21.0 5.8 8.8

Manual Integrations

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Reviewed By :Christian Giraldo 12/28/2022
 Supervised By :Jagrut Upadhyay 12/28/2022



#90

Benzo(a)pyrene

Concen: 3.434 ng

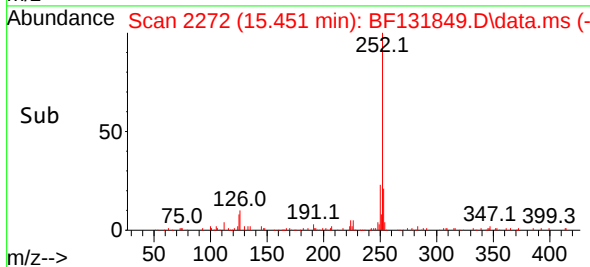
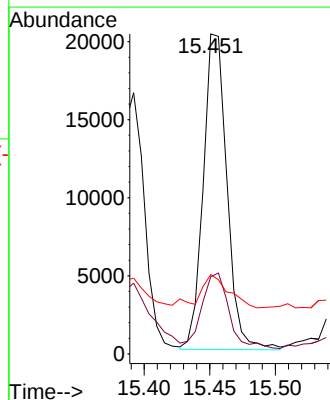
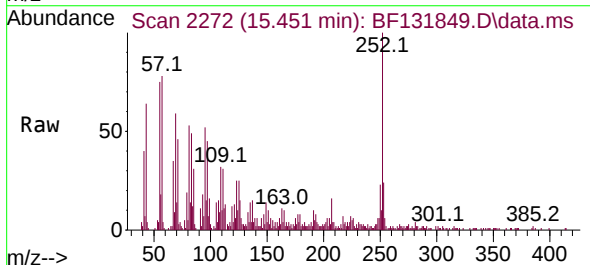
RT: 15.451 min Scan# 2272

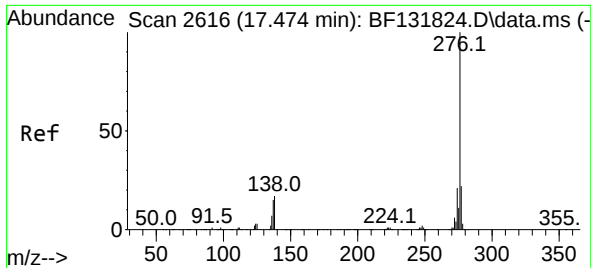
Delta R.T. -0.012 min

Lab File: BF131849.D

Acq: 27 Dec 2022 21:36

Tgt Ion:252 Resp: 25459
 Ion Ratio Lower Upper
 252 100
 253 24.1 16.6 24.8
 125 24.8 5.8 8.8





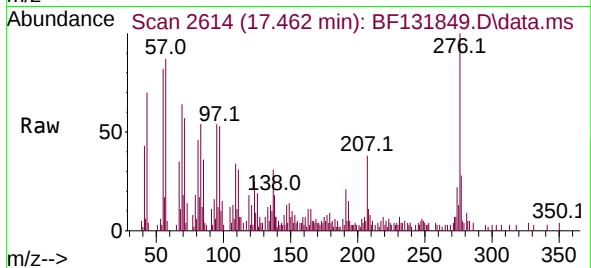
#92
 Benzo(g,h,i)perylene
 Concen: 6.816 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF131849.D
 Acq: 27 Dec 2022 21:36

Instrument :

BNA_F

ClientSampleId :

UGC-COMP-2



Tgt Ion:276 Resp: 14156
 Ion Ratio Lower Upper
 276 100
 277 27.9 17.9 26.9
 138 17.5 13.7 20.5

Manual Integrations

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Reviewed By :Christian Giraldo 12/28/2022
 Supervised By :Jagrut Upadhyay 12/28/2022

