

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122822\
 Data File : BF131872.D
 Acq On : 28 Dec 2022 21:09
 Operator : CG\JU
 Sample : N6212-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/29/2022
 Supervised By : Jagrut Upadhyay 01/03/2023

Quant Time: Dec 29 01:00:44 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	6.822	152	65316	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	224225	20.000	ng	-0.01
39) Acenaphthene-d10	9.875	164	110475	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	176467	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	129571	20.000	ng	0.00
86) Perylene-d12	15.521	264	97511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	434989	110.367	ng	0.00
7) Phenol-d6	6.457	99	576973	111.425	ng	-0.01
23) Nitrobenzene-d5	7.392	82	399590	71.151	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	111947	93.265	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	644238	79.876	ng	-0.01
79) Terphenyl-d14	12.969	244	535832	69.952	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	60846	5.840	ng	99
75) Fluoranthene	12.592	202	98829	8.743	ng	99
78) Pyrene	12.821	202	175114	16.124	ng	99
81) Benzo(a)anthracene	14.021	228	106139m	11.314	ng	
83) Chrysene	14.057	228	118692	13.464	ng	96
87) Indeno(1,2,3-cd)pyrene	17.021	276	33461	5.401	ng	95
88) Benzo(b)fluoranthene	15.086	252	90720m	12.688	ng	
89) Benzo(k)fluoranthene	15.110	252	27732m	4.014	ng	
90) Benzo(a)pyrene	15.457	252	72732	13.139	ng	# 91
91) Dibenzo(a,h)anthracene	17.027	278	10835	2.135	ng	# 55
92) Benzo(g,h,i)perylene	17.474	276	34541	10.373	ng	94

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

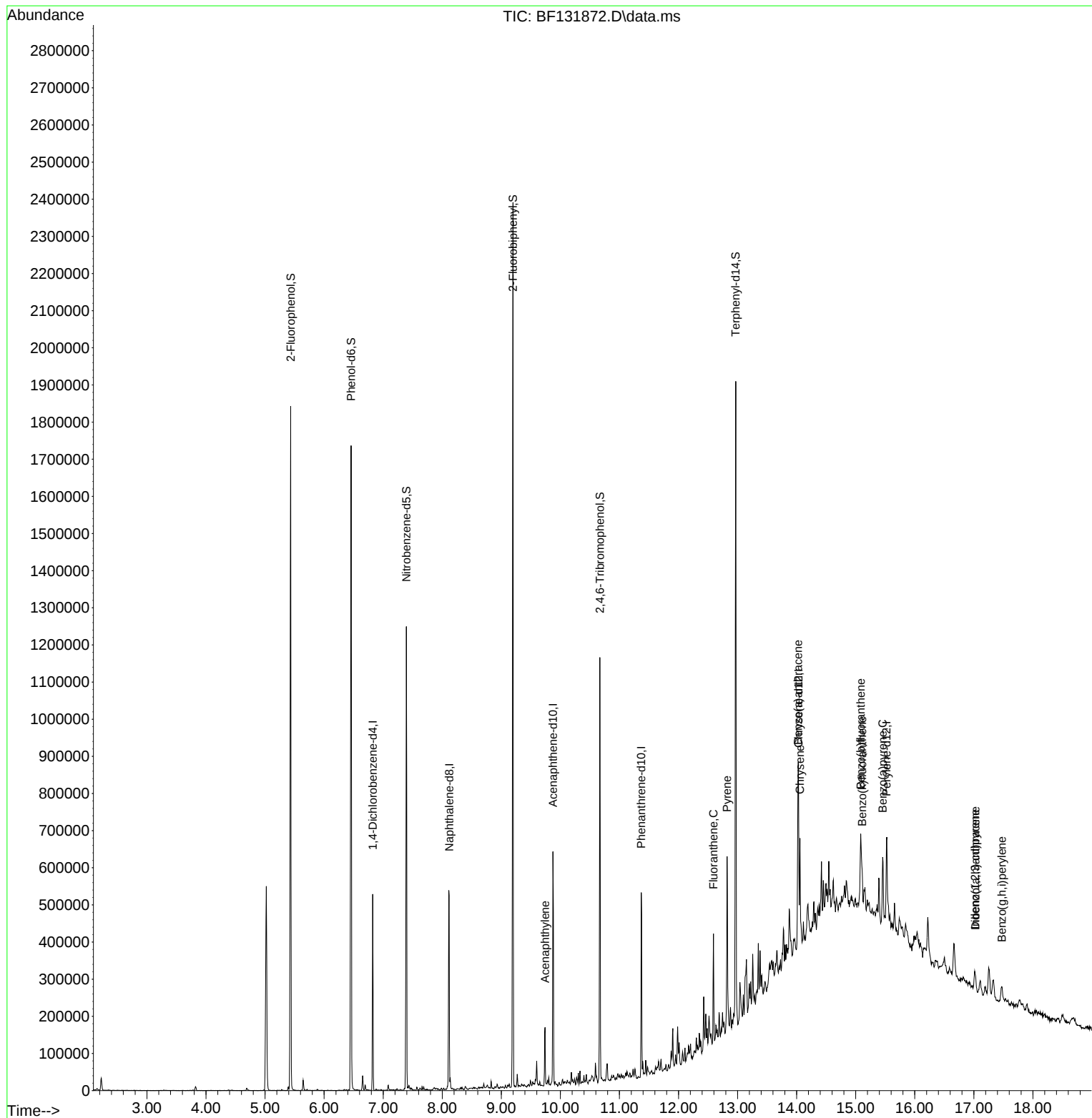
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122822\
Data File : BF131872.D
Acq On : 28 Dec 2022 21:09
Operator : CG\JU
Sample : N6212-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

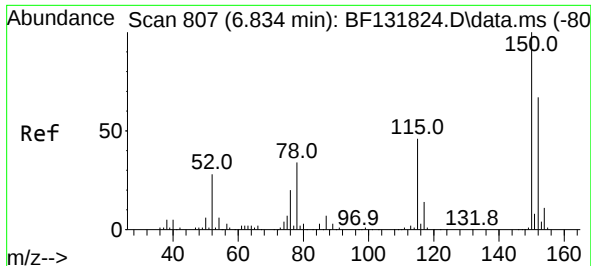
Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Dec 29 01:00:44 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

Manual Integrations
APPROVED

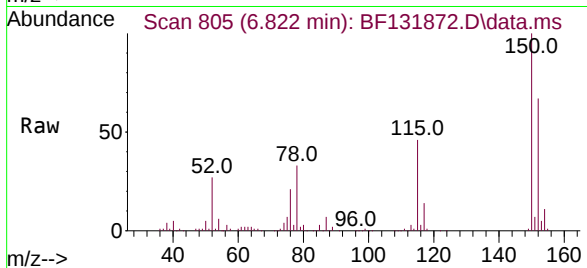
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

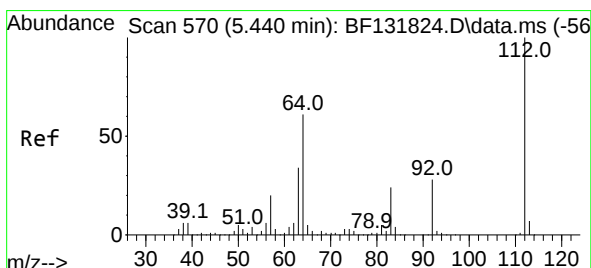
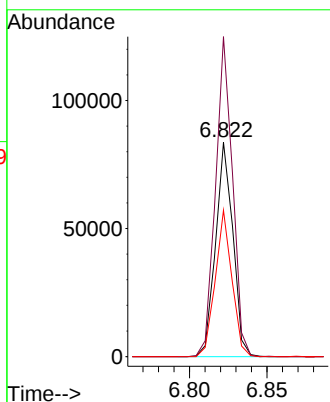
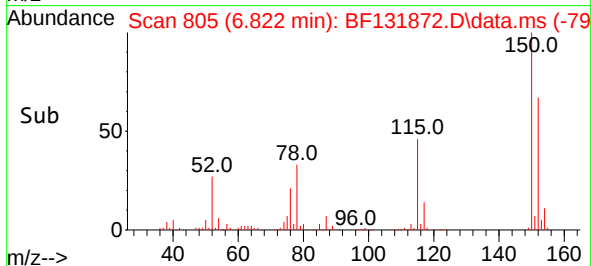
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 65316
Ion Ratio Lower Upper
152 100
150 149.3 120.0 180.0
115 68.3 55.1 82.7

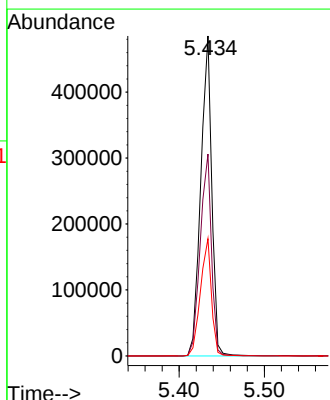
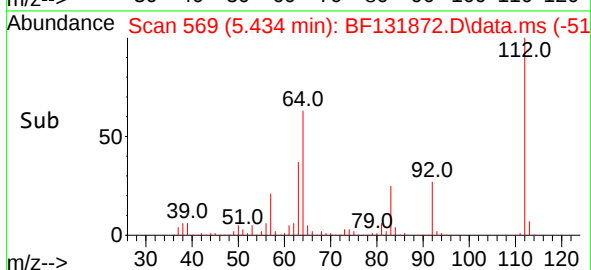
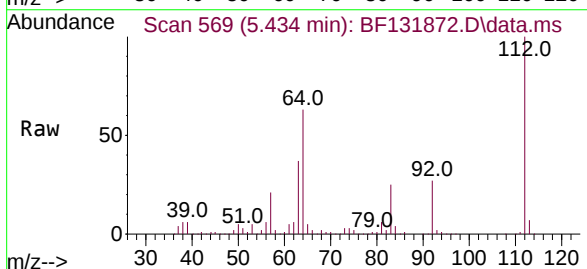
Manual Integrations
APPROVED

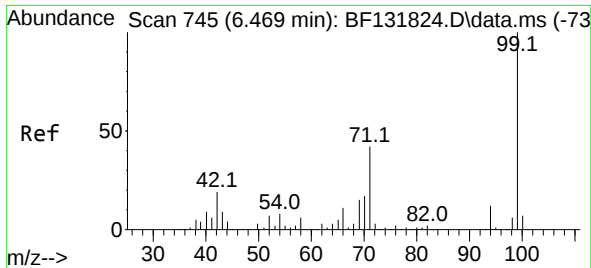
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#5
2-Fluorophenol
Concen: 110.367 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

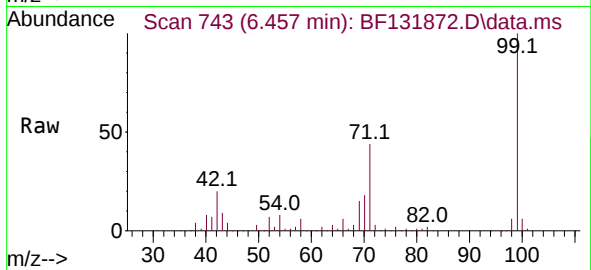
Tgt Ion:112 Resp: 434989
Ion Ratio Lower Upper
112 100
64 63.1 49.2 73.8
63 36.6 27.5 41.3





#7
Phenol-d6
Concen: 111.425 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

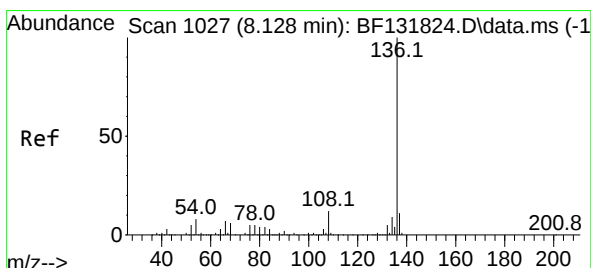
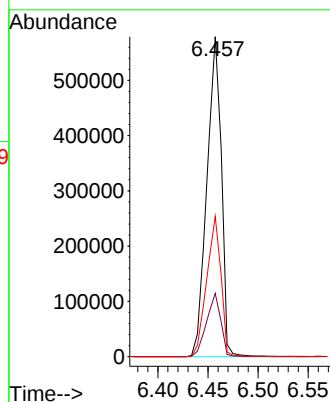
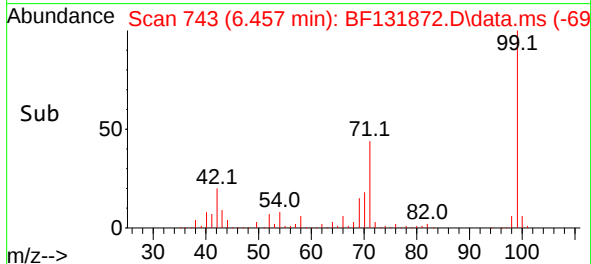
Instrument :
BNA_F
ClientSampleId :
TP-1



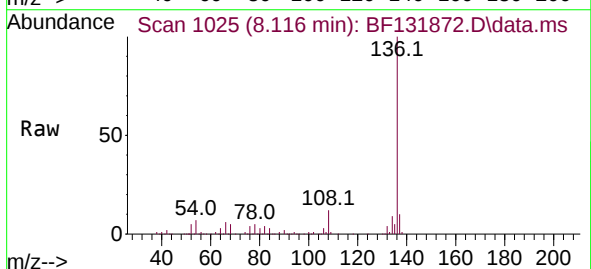
Tgt Ion: 99 Resp: 576973
Ion Ratio Lower Upper
99 100
42 19.8 15.3 22.9
71 43.9 33.5 50.3

Manual Integrations
APPROVED

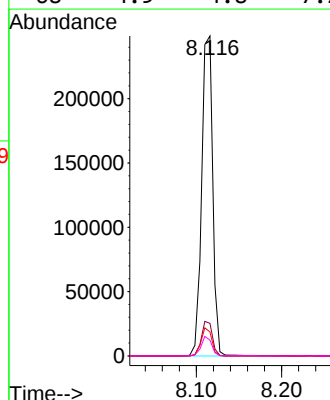
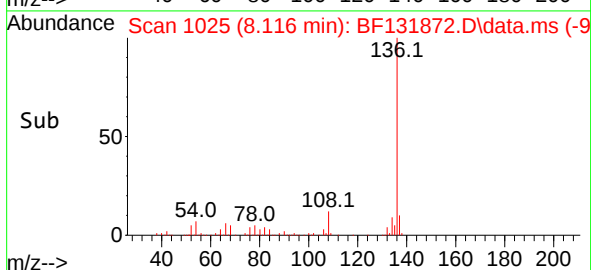
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023

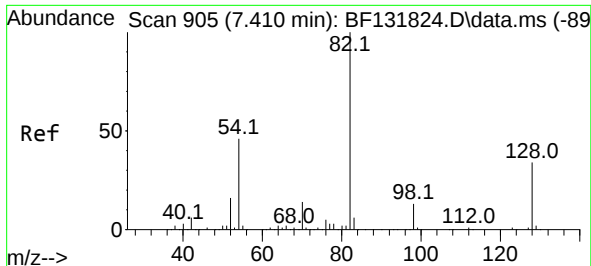


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09



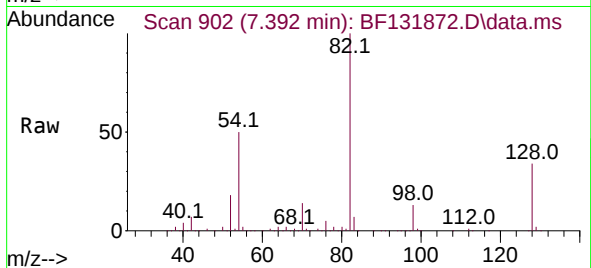
Tgt Ion:136 Resp: 224225
Ion Ratio Lower Upper
136 100
137 10.2 8.6 12.8
54 7.5 6.7 10.1
68 4.9 4.8 7.2





#23
Nitrobenzene-d5
Concen: 71.151 ng
RT: 7.392 min Scan# 905
Delta R.T. -0.018 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

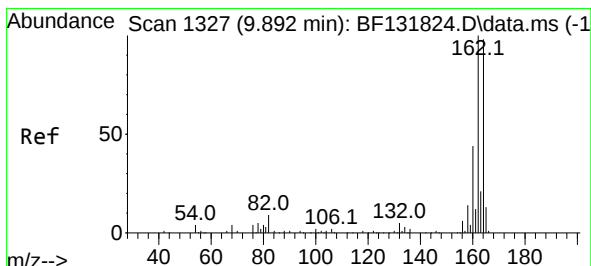
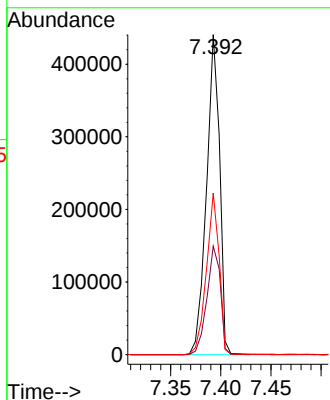
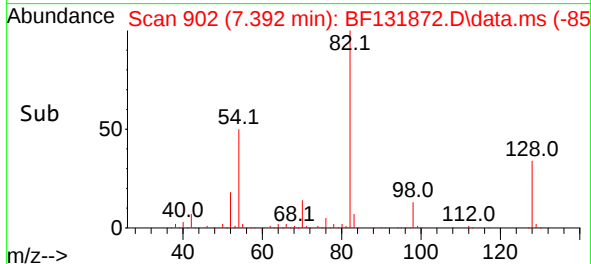
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion: 82 Resp: 399590
Ion Ratio Lower Upper
82 100
128 33.9 27.1 40.7
54 50.5 37.0 55.6

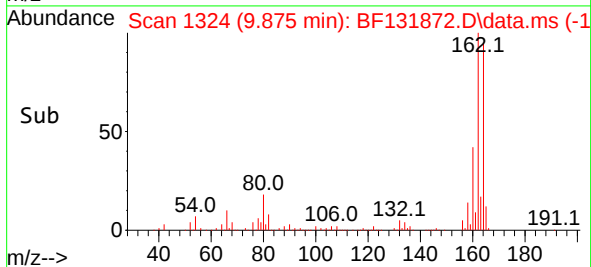
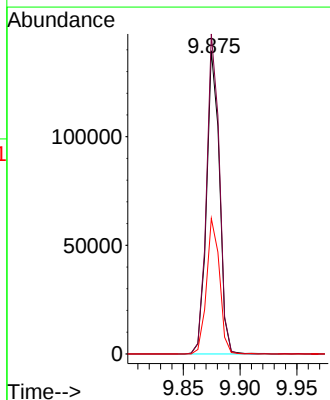
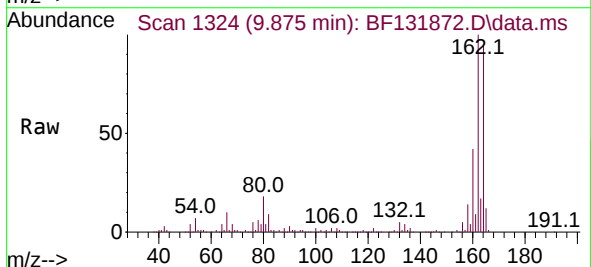
Manual Integrations
APPROVED

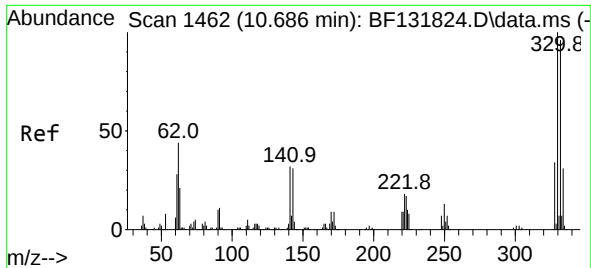
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.018 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

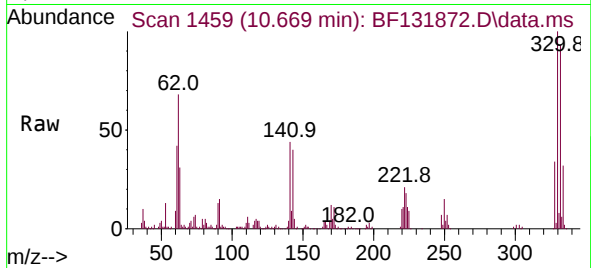
Tgt Ion:164 Resp: 110475
Ion Ratio Lower Upper
164 100
162 105.5 81.8 122.6
160 44.7 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 93.265 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.018 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

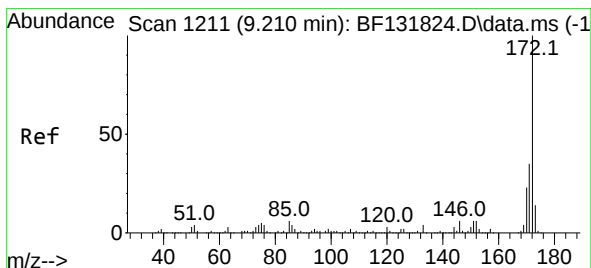
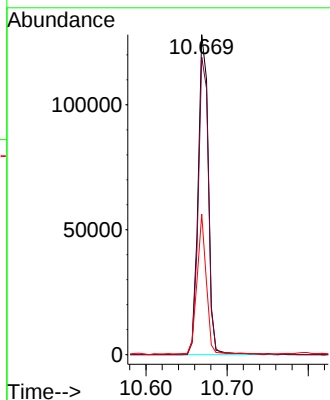
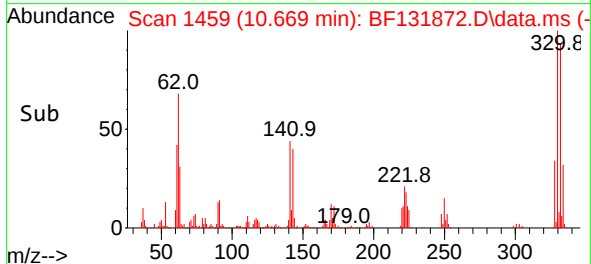
Instrument :
BNA_F
ClientSampleId :
TP-1



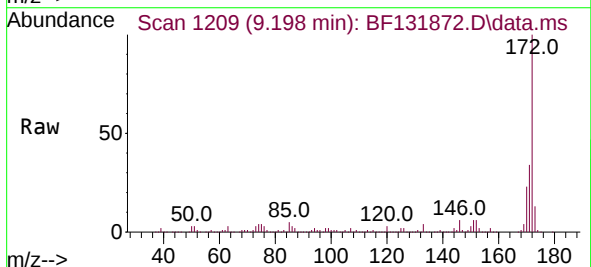
Tgt Ion: 330 Resp: 111947
Ion Ratio Lower Upper
330 100
332 93.4 77.0 115.4
141 39.1 31.0 46.4

Manual Integrations
APPROVED

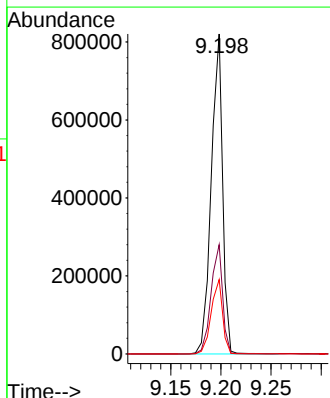
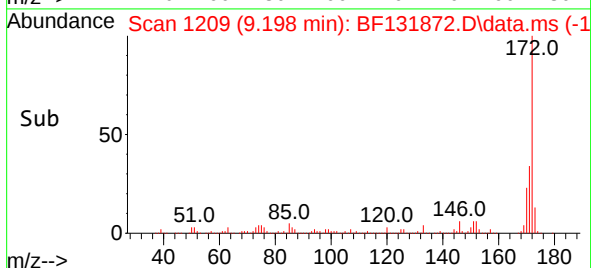
Reviewed By : Christian Giraldo 12/29/2022
Supervised By : Jagrut Upadhyay 01/03/2023

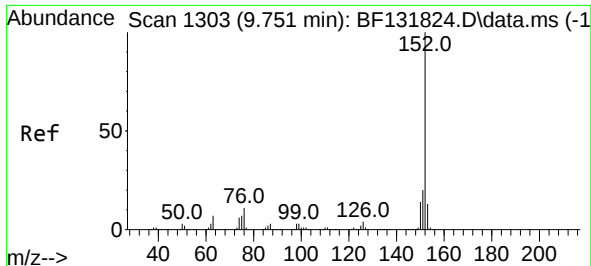


#45
2-Fluorobiphenyl
Concen: 79.876 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09



Tgt Ion: 172 Resp: 644238
Ion Ratio Lower Upper
172 100
171 34.2 27.9 41.9
170 23.2 18.7 28.1





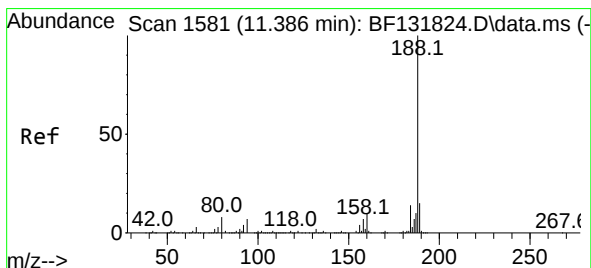
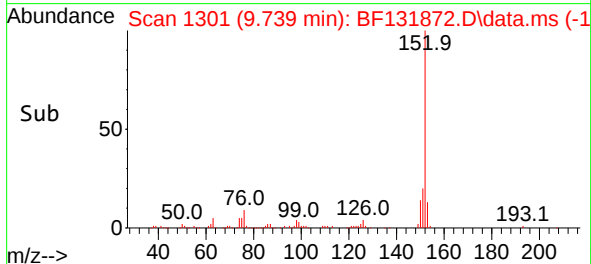
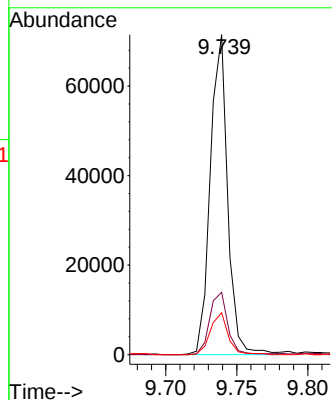
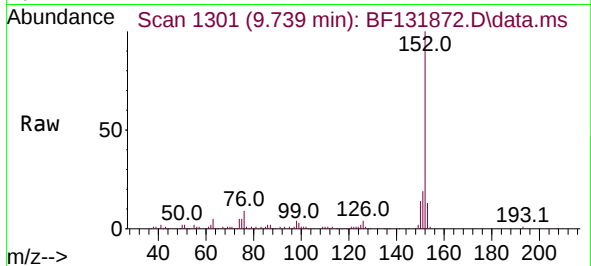
#49
Acenaphthylene
Concen: 5.840 ng
RT: 9.739 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 60846
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.6
153 13.1 10.2 15.4

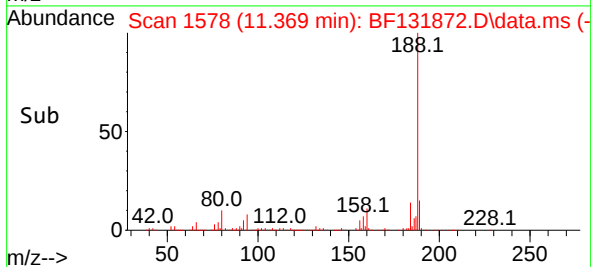
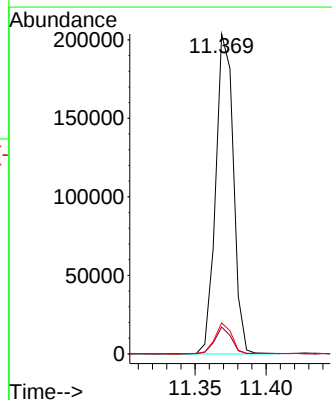
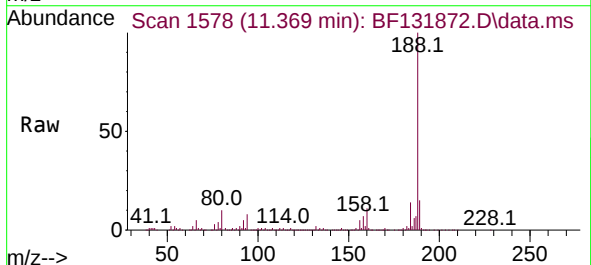
Manual Integrations
APPROVED

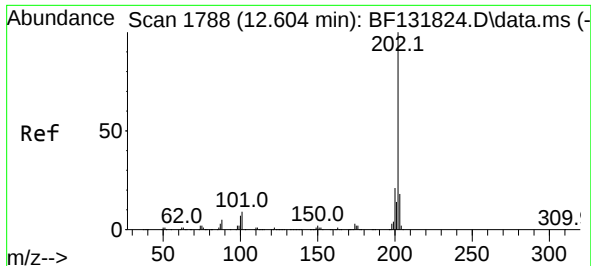
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

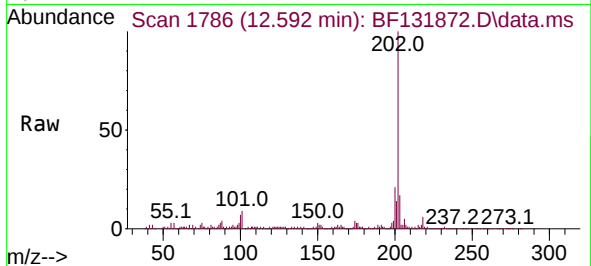
Tgt Ion:188 Resp: 176467
Ion Ratio Lower Upper
188 100
94 8.4 5.8 8.6
80 9.7 6.7 10.1





#75
Fluoranthene
Concen: 8.743 ng
RT: 12.592 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

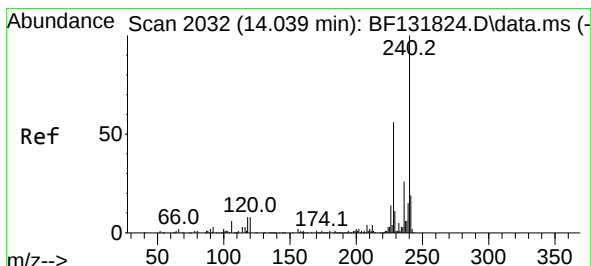
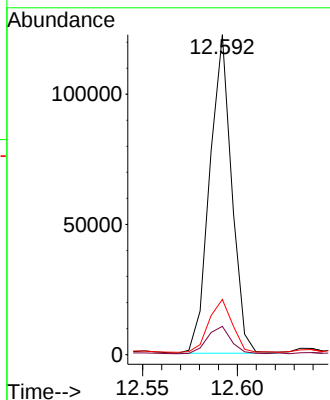
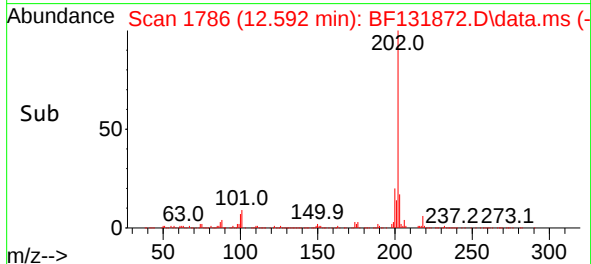
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 98829
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.6
203 17.2 0.0 37.8

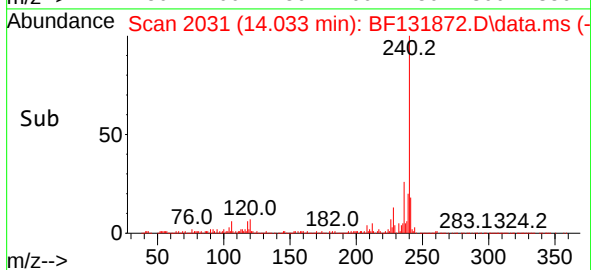
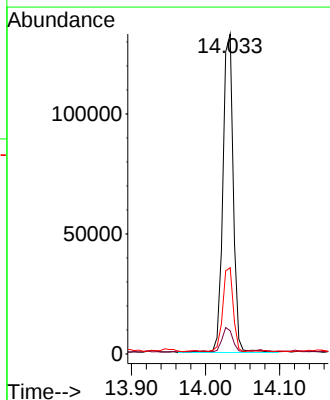
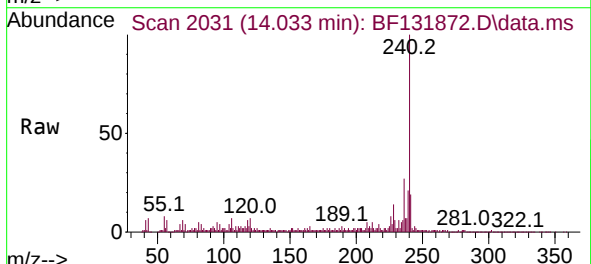
Manual Integrations
APPROVED

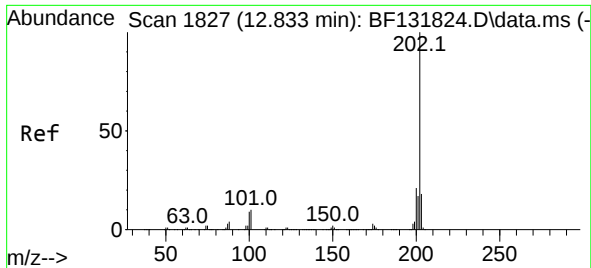
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Tgt Ion:240 Resp: 129571
Ion Ratio Lower Upper
240 100
120 7.3 6.7 10.1
236 26.9 20.6 31.0





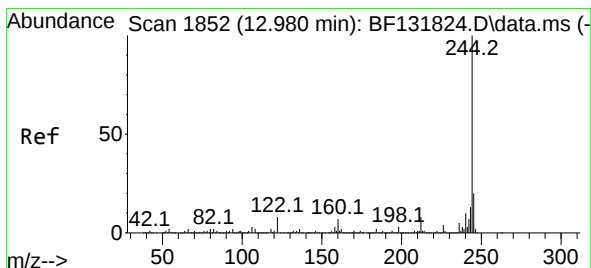
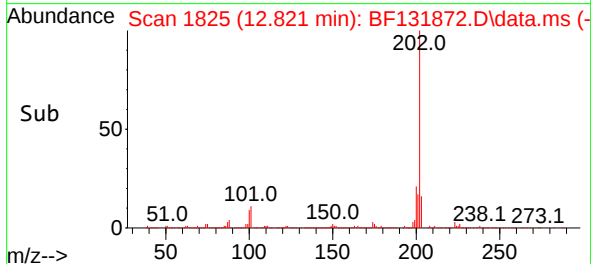
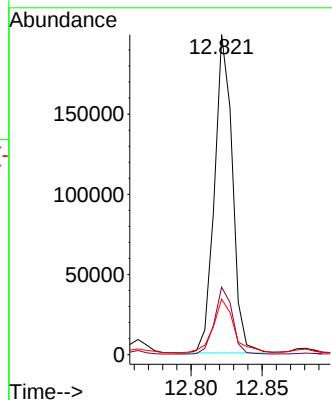
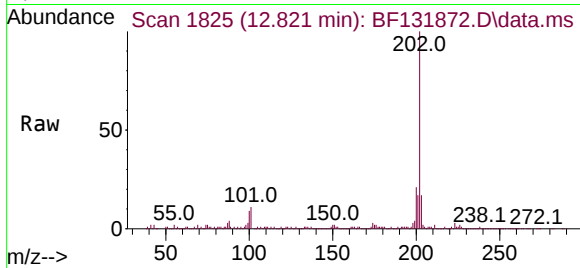
#78
Pyrene
Concen: 16.124 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:202 Resp: 175114
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.3 14.4 21.6

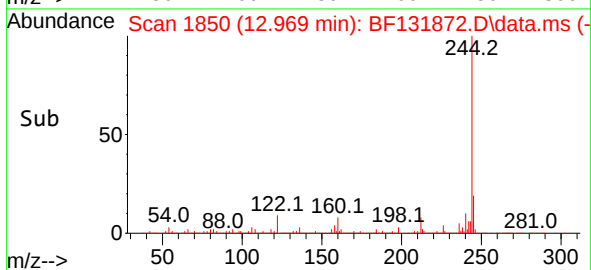
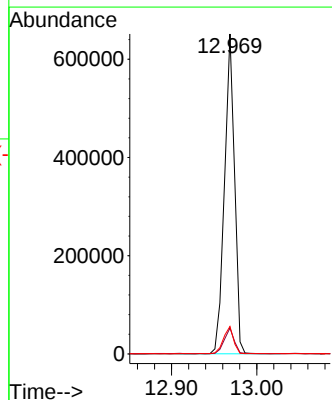
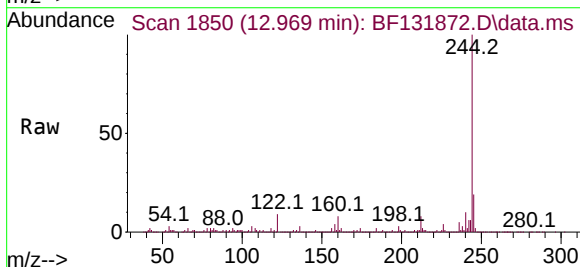
Manual Integrations
APPROVED

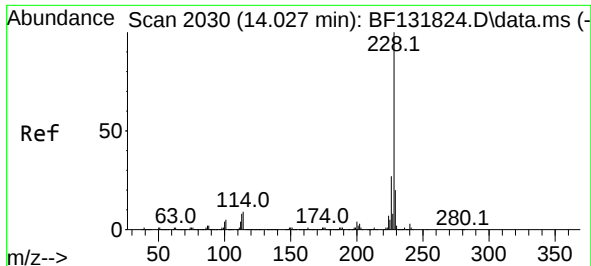
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#79
Terphenyl-d14
Concen: 69.952 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

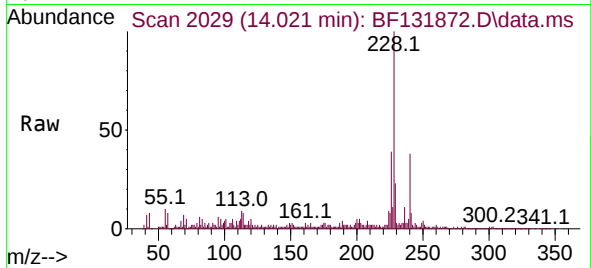
Tgt Ion:244 Resp: 535832
Ion Ratio Lower Upper
244 100
212 8.1 6.3 9.5
122 8.6 6.4 9.6





#81
Benzo(a)anthracene
Concen: 11.314 ng m
RT: 14.021 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

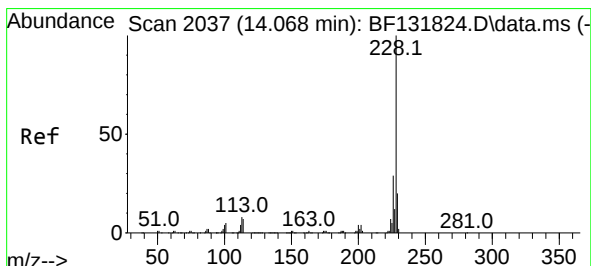
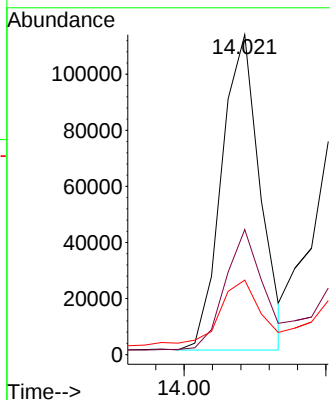
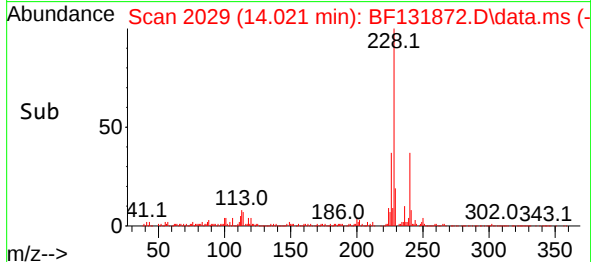
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:228 Resp: 106139
Ion Ratio Lower Upper
228 100
226 39.1 22.0 33.0
229 23.3 16.0 24.0

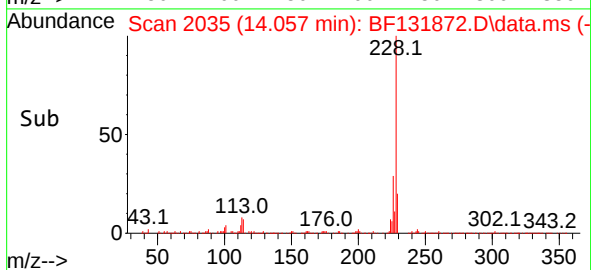
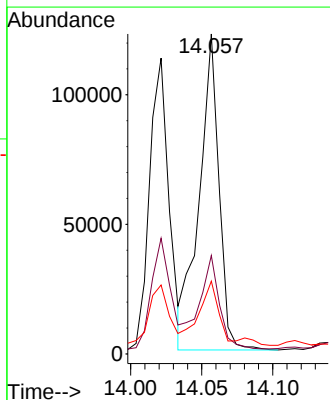
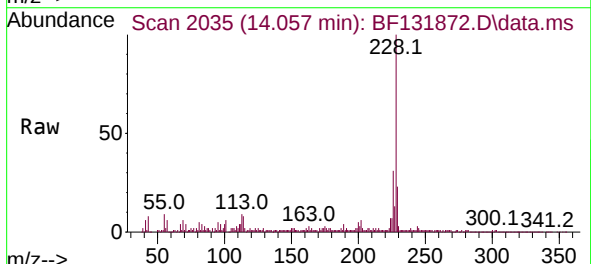
Manual Integrations
APPROVED

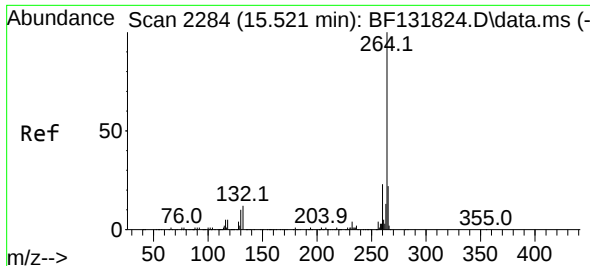
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#83
Chrysene
Concen: 13.464 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Tgt Ion:228 Resp: 118692
Ion Ratio Lower Upper
228 100
226 30.8 23.5 35.3
229 22.7 16.2 24.2





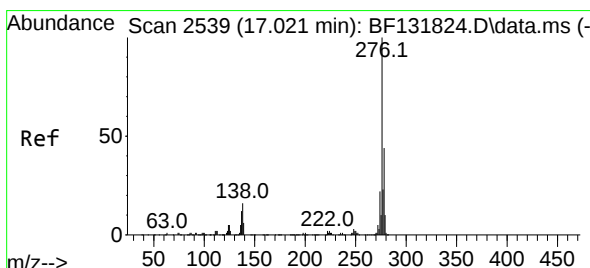
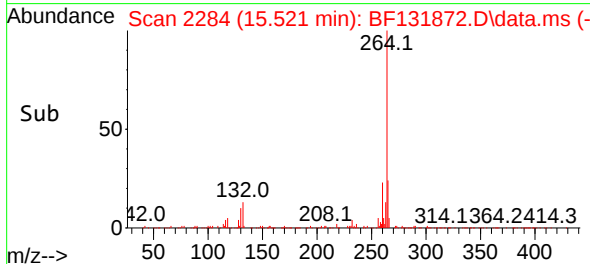
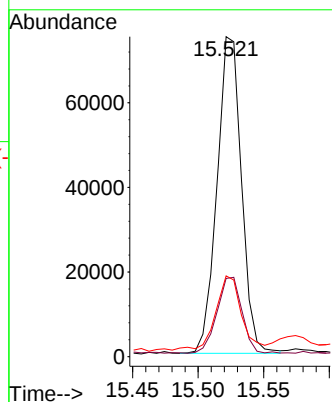
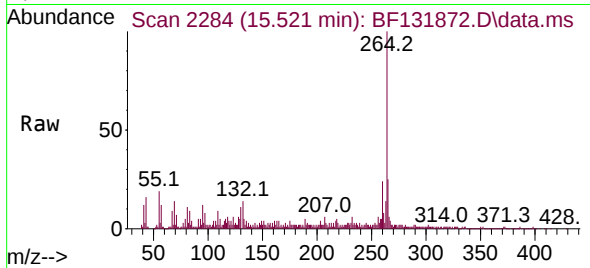
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:264 Resp: 97511
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 25.3 17.4 26.0

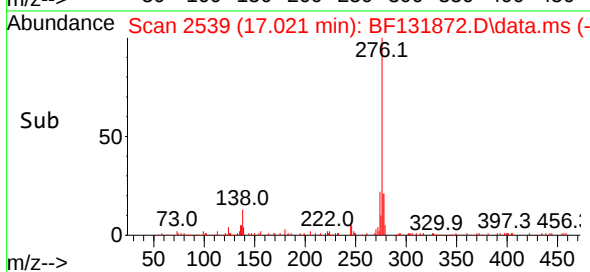
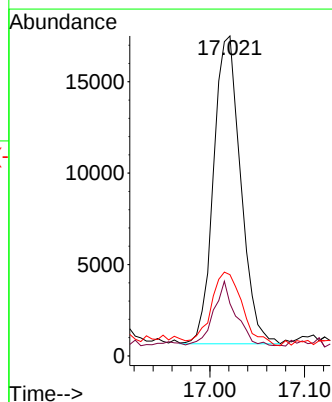
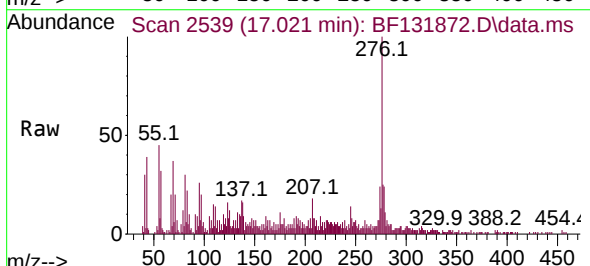
Manual Integrations
APPROVED

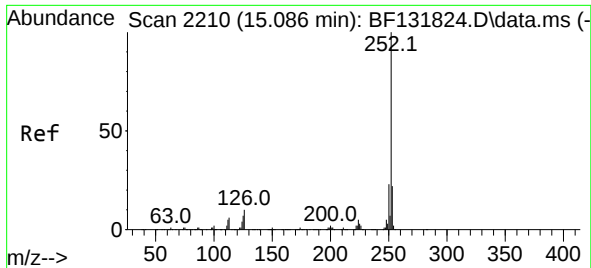
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.401 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.000 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

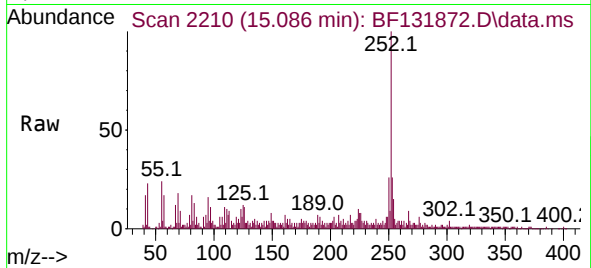
Tgt Ion:276 Resp: 33461
Ion Ratio Lower Upper
276 100
138 17.1 14.5 21.7
277 28.0 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 12.688 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

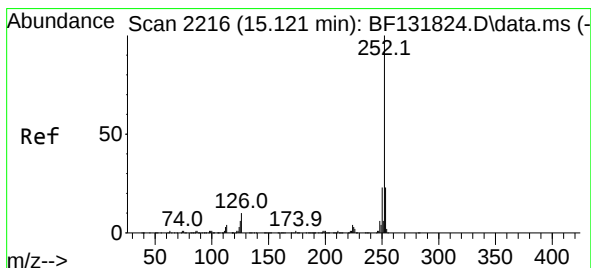
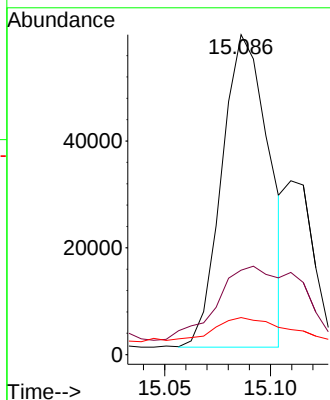
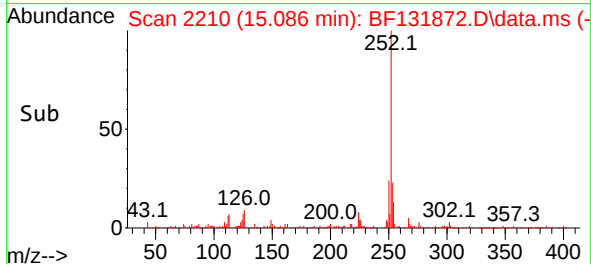
Instrument :
BNA_F
ClientSampleId :
TP-1



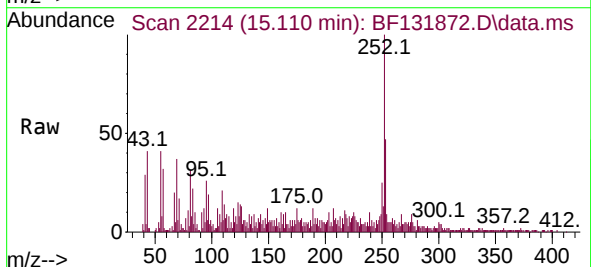
Tgt Ion:252 Resp: 90720
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4
125 11.6 5.8 8.8

Manual Integrations
APPROVED

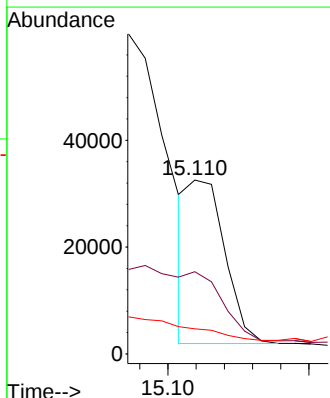
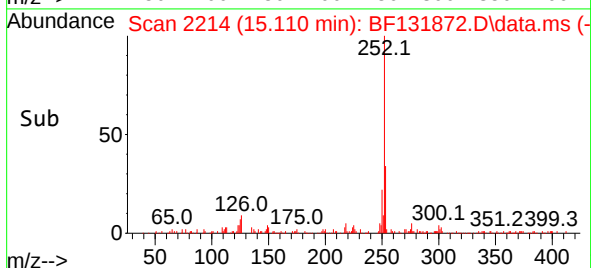
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023

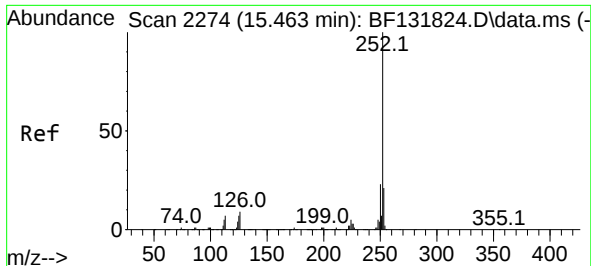


#89
Benzo(k)fluoranthene
Concen: 4.014 ng m
RT: 15.110 min Scan# 2214
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09



Tgt Ion:252 Resp: 27732
Ion Ratio Lower Upper
252 100
253 47.2 17.7 26.5#
125 14.5 5.4 8.0#





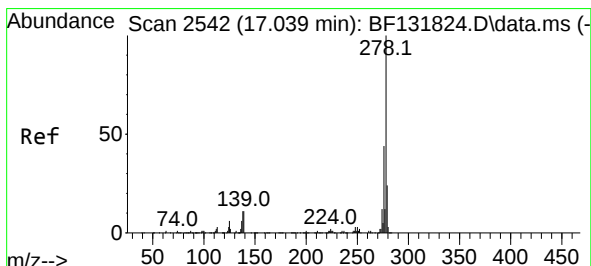
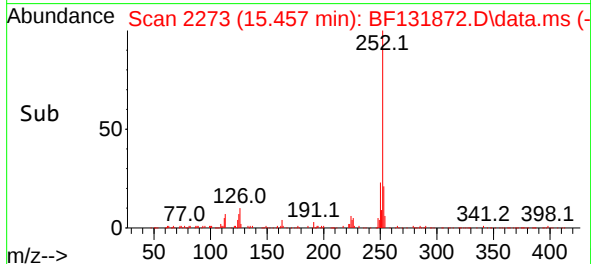
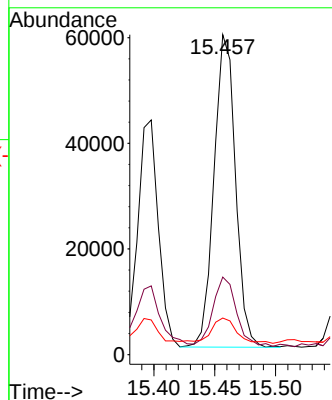
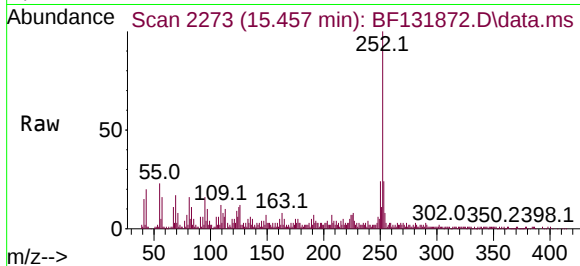
#90
Benzo(a)pyrene
Concen: 13.139 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 72732
Ion Ratio Lower Upper
252 100
253 24.2 16.6 24.8
125 11.4 5.8 8.8

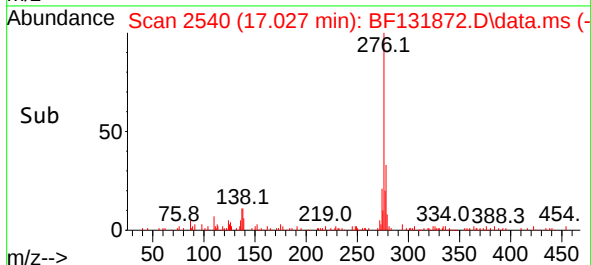
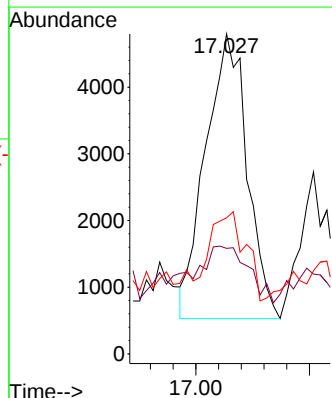
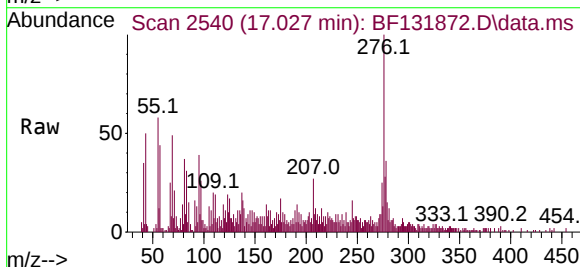
Manual Integrations
APPROVED

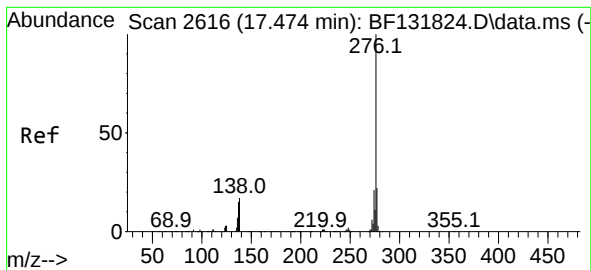
Reviewed By :Christian Giraldo 12/29/2022
Supervised By :Jagrut Upadhyay 01/03/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.135 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.012 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

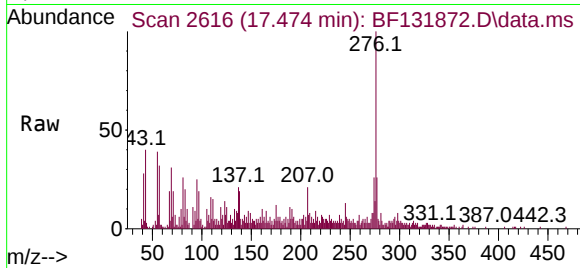
Tgt Ion:278 Resp: 10835
Ion Ratio Lower Upper
278 100
139 33.0 8.6 12.8#
279 42.6 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 10.373 ng
RT: 17.474 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF131872.D
Acq: 28 Dec 2022 21:09

Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion: 276 Resp: 3454
Ion Ratio Lower Upper
276 100
277 25.7 17.9 26.9
138 19.0 13.7 20.5

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 12/29/2022
Supervised By : Jagrut Upadhyay 01/03/2023

