

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020323\
 Data File : BF132331.D
 Acq On : 03 Feb 2023 20:10
 Operator : CG\JU
 Sample : 01418-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-20-020223

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/06/2023
 Supervised By : Jagrut Upadhyay 02/06/2023

Quant Time: Feb 04 01:41:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 04 01:32:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.054	152	224026	20.000	ng	0.00
21) Naphthalene-d8	8.342	136	828230	20.000	ng	0.00
39) Acenaphthene-d10	10.107	164	387268	20.000	ng	0.00
64) Phenanthrene-d10	11.607	188	568935	20.000	ng	0.00
76) Chrysene-d12	14.277	240	279827	20.000	ng	0.00
86) Perylene-d12	15.860	264	272111	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	1076849	77.264	ng	0.00
7) Phenol-d6	6.672	99	1314815	76.520	ng	0.00
23) Nitrobenzene-d5	7.619	82	844851	56.764	ng	-0.01
42) 2,4,6-Tribromophenol	10.901	330	311948	78.329	ng	0.00
45) 2-Fluorobiphenyl	9.419	172	1465109	58.422	ng	0.00
79) Terphenyl-d14	13.201	244	960424	66.393	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.366	128	130643	3.205	ng	98
38) 1-Methylnaphthalene	9.154	142	52393	2.042	ng	98
52) Acenaphthene	10.142	154	252437	10.864	ng	97
55) Dibenzofuran	10.313	168	120034	3.677	ng	94
58) Fluorene	10.654	166	201574	8.023	ng	98
71) Phenanthrene	11.636	178	2523549	84.882	ng	98
72) Anthracene	11.683	178	728908	24.091	ng	99
73) Carbazole	11.830	167	117633	4.336	ng	98
75) Fluoranthene	12.842	202	2994611	98.705	ng	96
78) Pyrene	13.077	202	3196162	142.009	ng	95
81) Benzo(a)anthracene	14.265	228	1702901	87.009	ng	96
83) Chrysene	14.301	228	1355880	73.985	ng	98
87) Indeno(1,2,3-cd)pyrene	17.501	276	646956m	35.781	ng	
88) Benzo(b)fluoranthene	15.389	252	1685588m	97.452	ng	
89) Benzo(k)fluoranthene	15.412	252	499931m	30.280	ng	
90) Benzo(a)pyrene	15.801	252	1254883	77.912	ng	97
91) Dibenzo(a,h)anthracene	17.506	278	165748m	11.402	ng	
92) Benzo(g,h,i)perylene	18.006	276	639293	42.569	ng	98

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

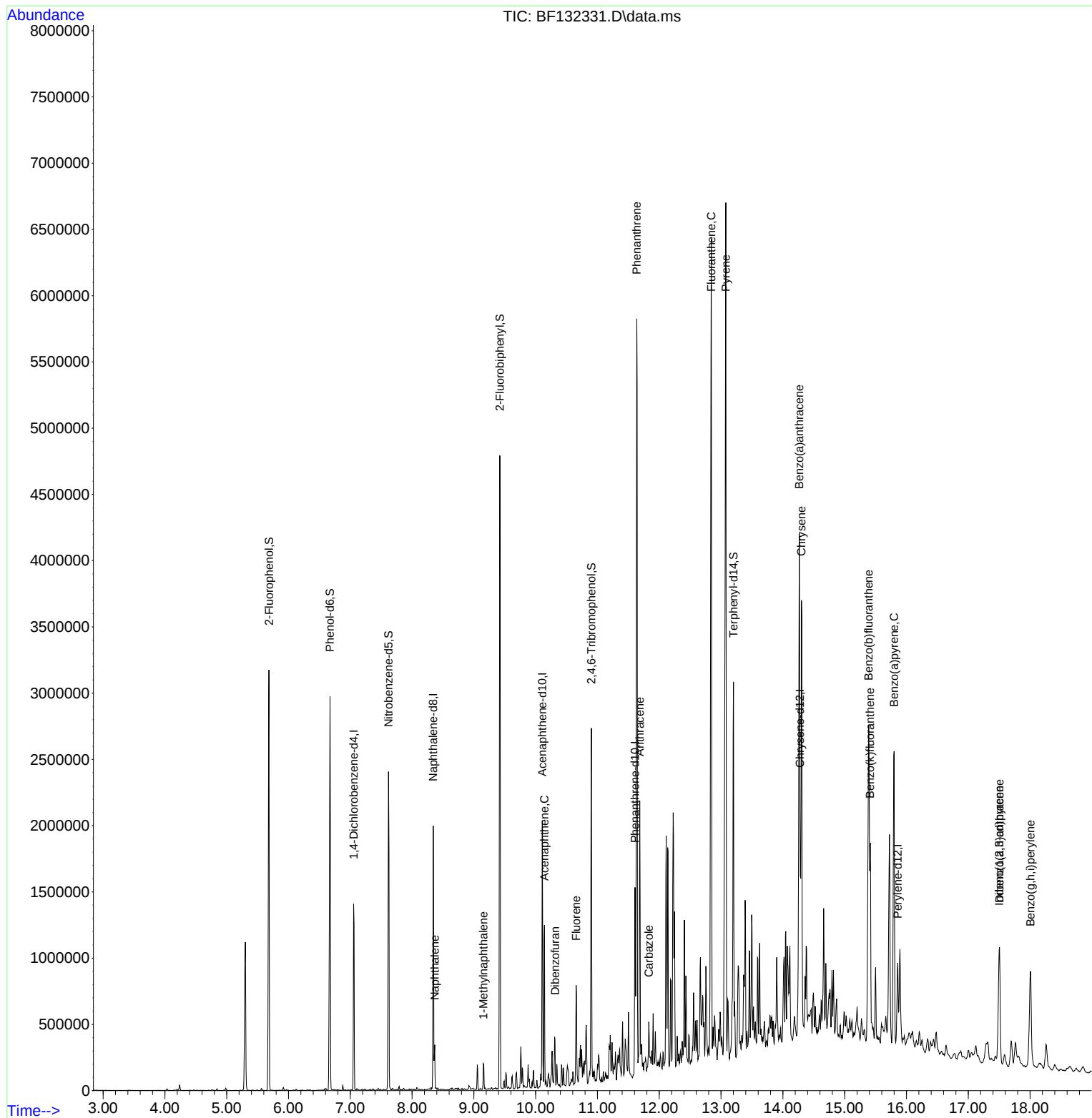
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020323\
Data File : BF132331.D
Acq On : 03 Feb 2023 20:10
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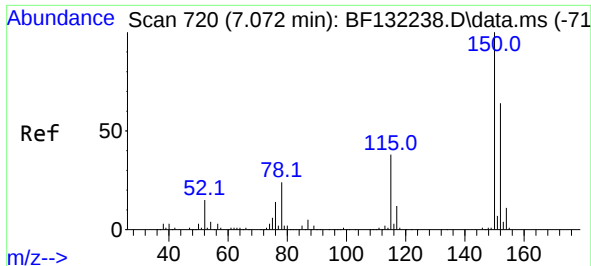
Instrument :
BNA_F
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JPP-20-020223

Quant Time: Feb 04 01:41:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 04 01:32:42 2023
Response via : Initial Calibration

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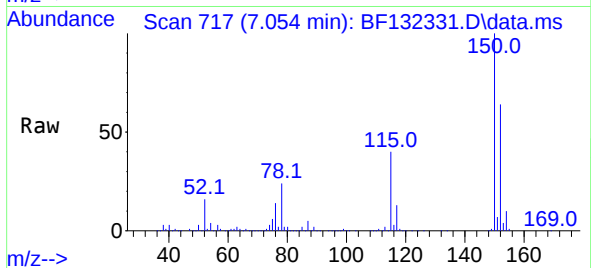
Reviewed By : Christian Giraldo 02/06/2023
Supervised By : Jagrut Upadhyay 02/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.054 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

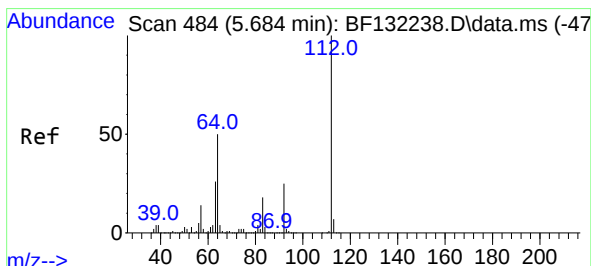
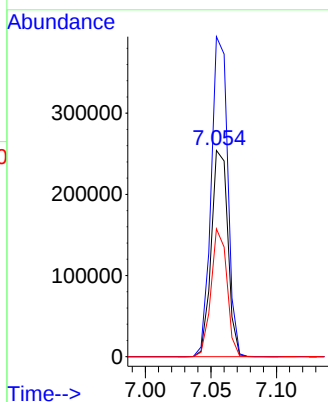
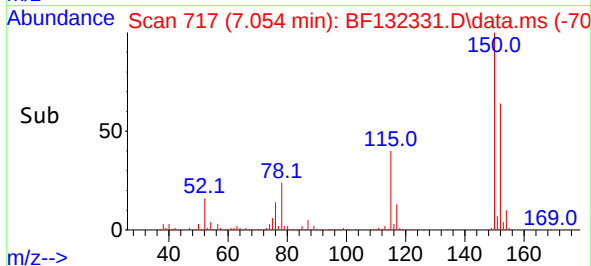
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



Tgt Ion:152 Resp: 224020
Ion Ratio Lower Upper
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150 155.1 124.2 186.2
115 62.0 47.3 70.9

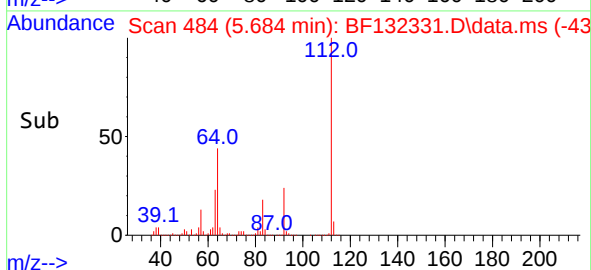
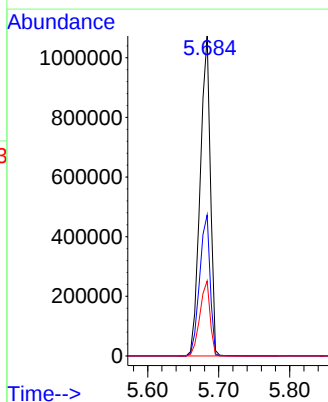
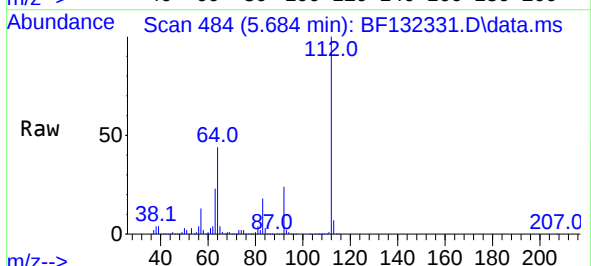
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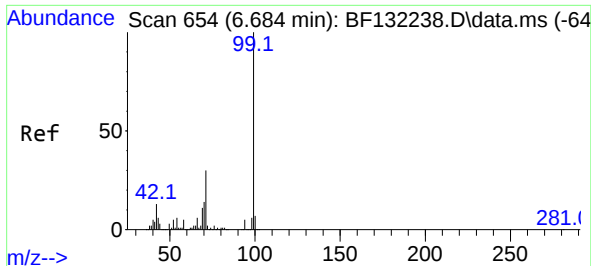
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#5
2-Fluorophenol
Concen: 77.264 ng
RT: 5.684 min Scan# 484
Delta R.T. 0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

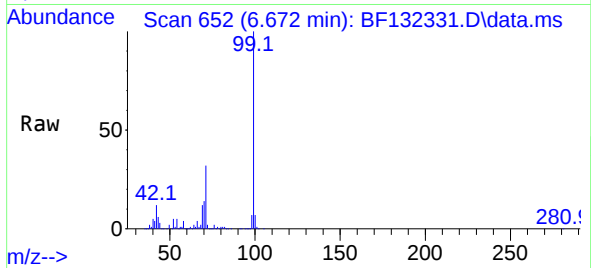
Tgt Ion:112 Resp: 1076849
Ion Ratio Lower Upper
112 100
64 44.0 40.0 60.0
63 23.4 20.5 30.7





#7
Phenol-d6
Concen: 76.520 ng
RT: 6.672 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

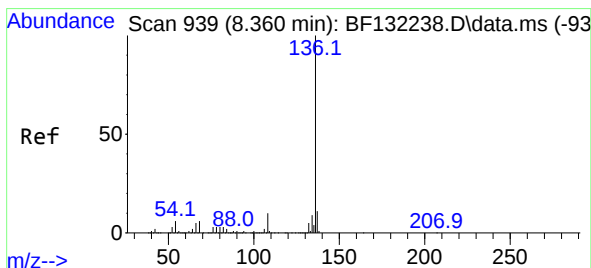
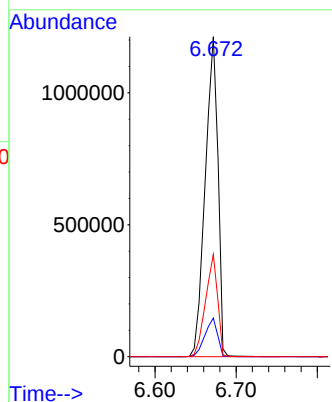
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



Tgt Ion: 99 Resp: 1314815
Ion Ratio Lower Upper
99 100
42 12.0 10.1 15.1
71 31.9 24.2 36.4

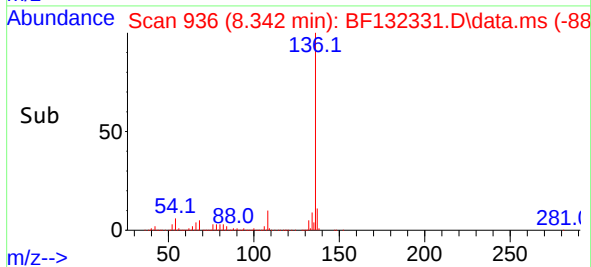
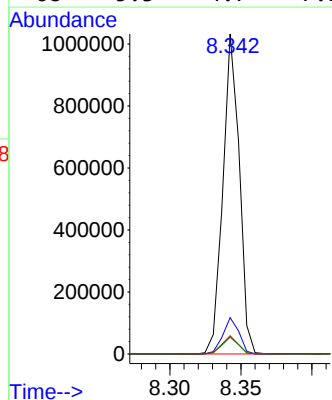
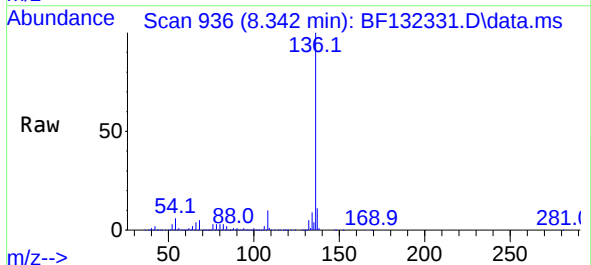
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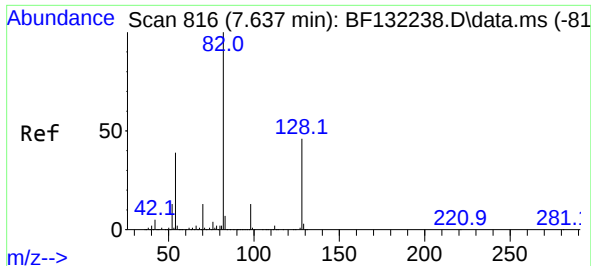
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.342 min Scan# 936
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

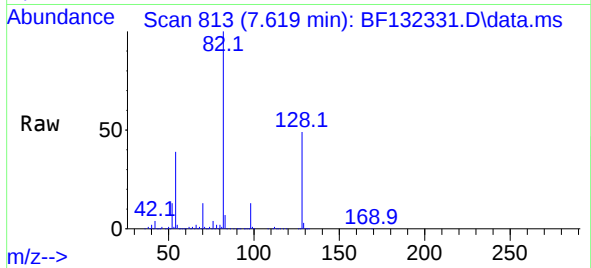
Tgt Ion:136 Resp: 828230
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 5.7 4.9 7.3
68 5.3 4.7 7.1





#23
Nitrobenzene-d5
Concen: 56.764 ng
RT: 7.619 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

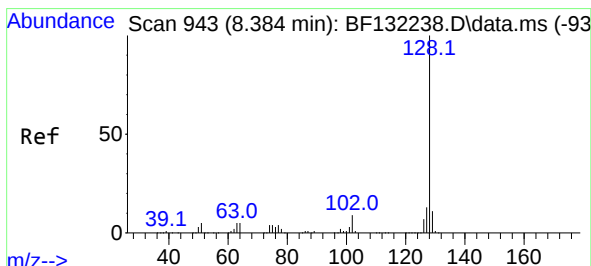
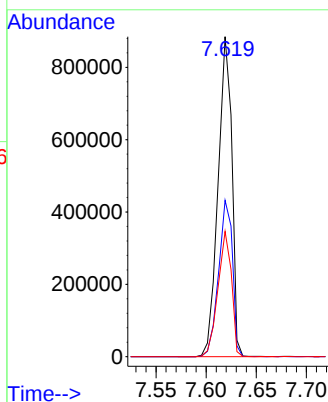
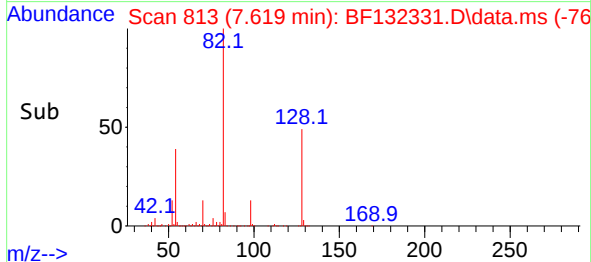
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



Tgt Ion: 82 Resp: 84485
Ion Ratio Lower Upper
82 100
128 48.9 37.0 55.4
54 39.2 31.5 47.3

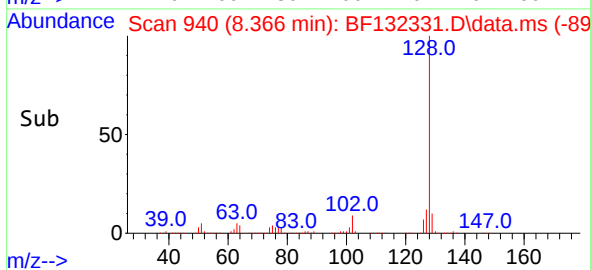
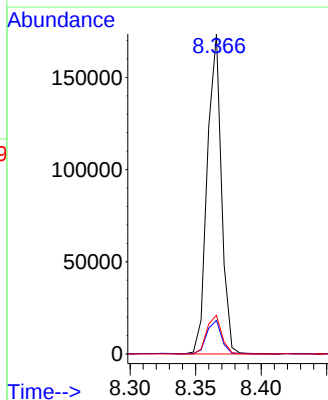
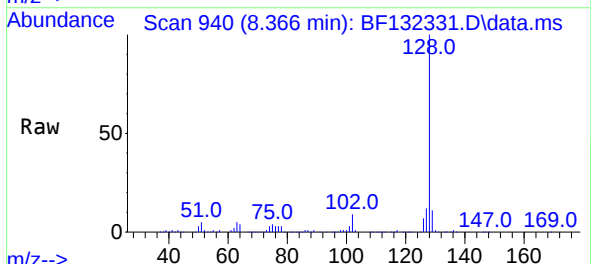
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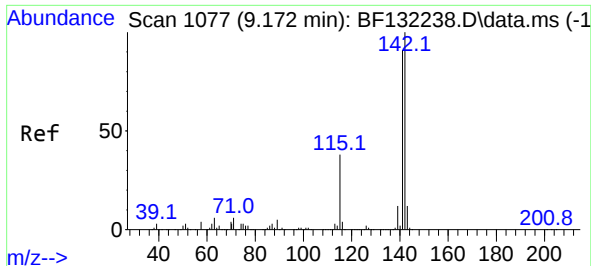
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#31
Naphthalene
Concen: 3.205 ng
RT: 8.366 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:128 Resp: 130643
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 12.1 10.5 15.7





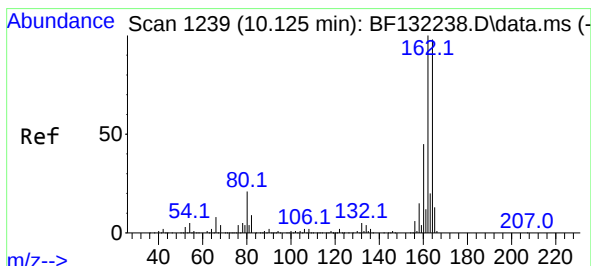
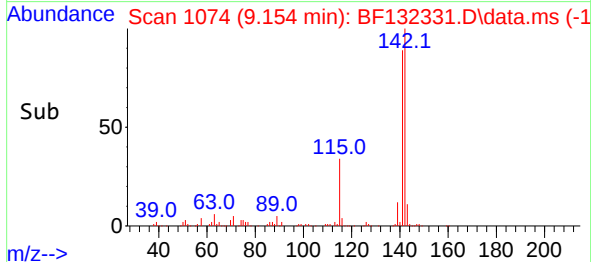
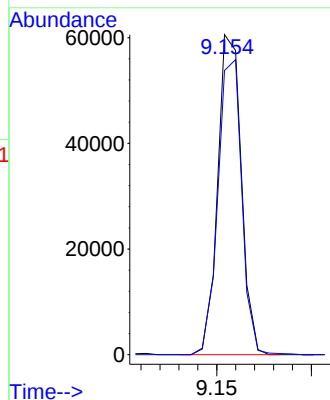
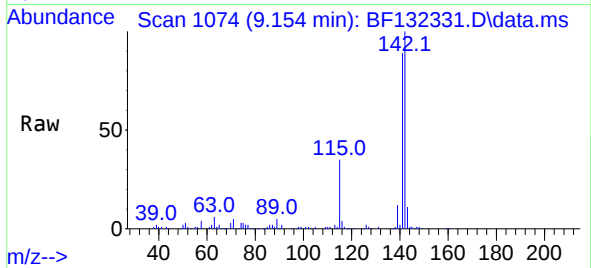
#38
1-Methylnaphthalene
Concen: 2.042 ng
RT: 9.154 min Scan# 1077
Delta R.T. -0.012 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

Tgt Ion:142 Resp: 5239
Ion Ratio Lower Upper
142 100
141 88.8 72.6 108.8

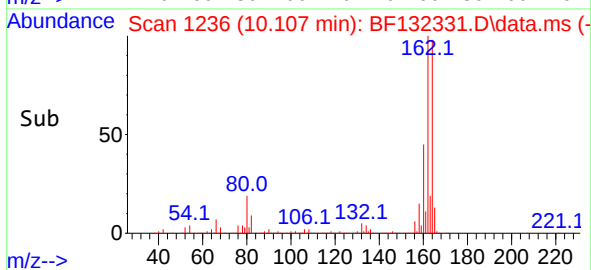
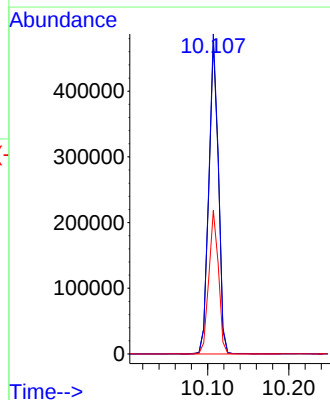
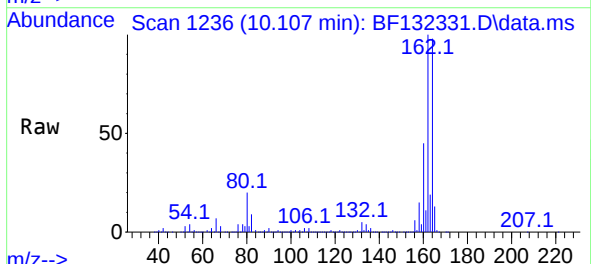
Manual Integrations
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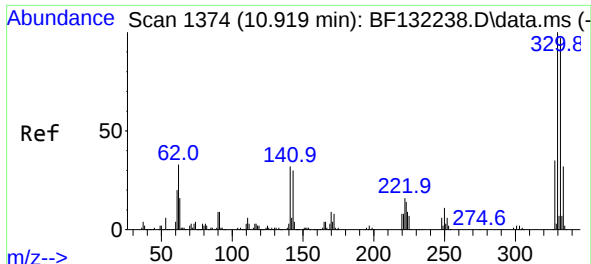
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.107 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:164 Resp: 387268
Ion Ratio Lower Upper
164 100
162 102.2 82.0 123.0
160 45.9 37.1 55.7





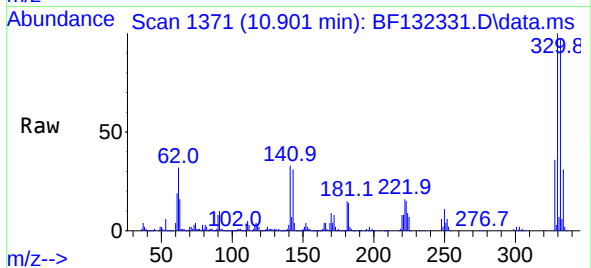
#42
2,4,6-Tribromophenol
Concen: 78.329 ng
RT: 10.901 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Instrument :

BNA_F

ClientSampleId :

JPP-20-020223

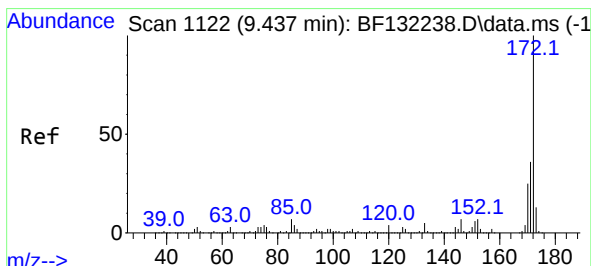
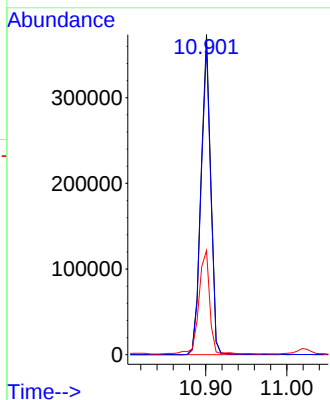
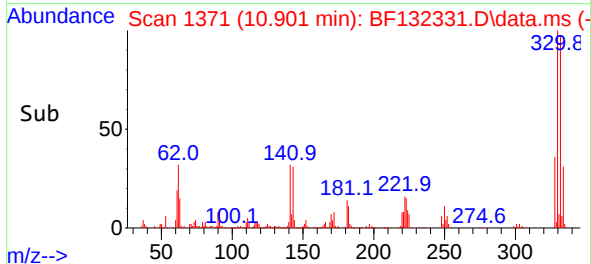


Tgt Ion:330 Resp: 311948
Ion Ratio Lower Upper
330 100
332 96.1 77.9 116.9
141 35.7 31.0 46.4

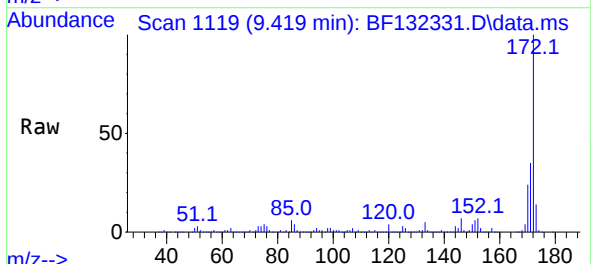
Manual Integrations

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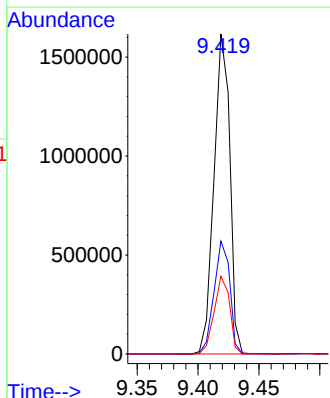
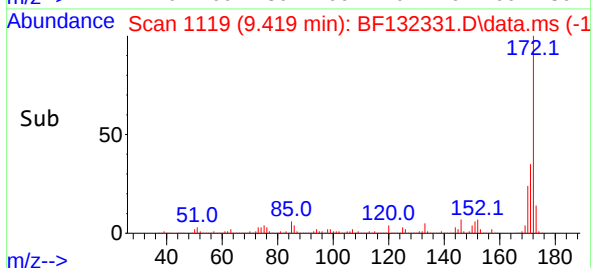
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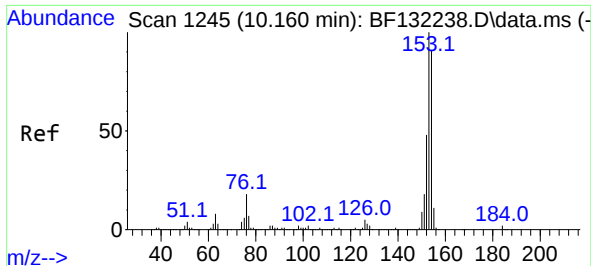


#45
2-Fluorobiphenyl
Concen: 58.422 ng
RT: 9.419 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10



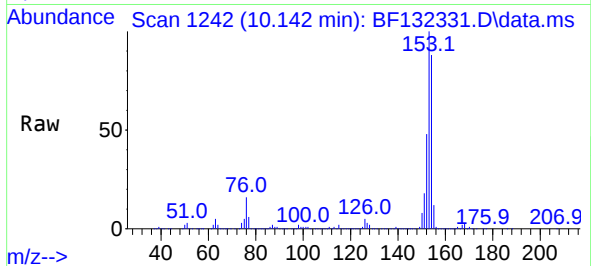
Tgt Ion:172 Resp: 1465109
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 24.2 19.7 29.5





#52
Acenaphthene
Concen: 10.864 ng
RT: 10.142 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

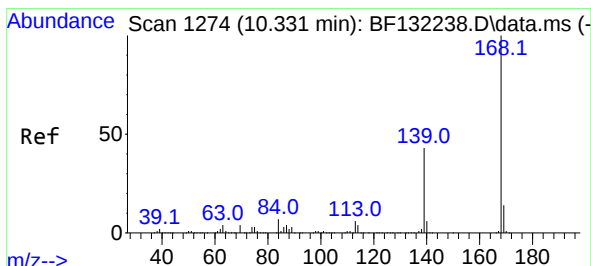
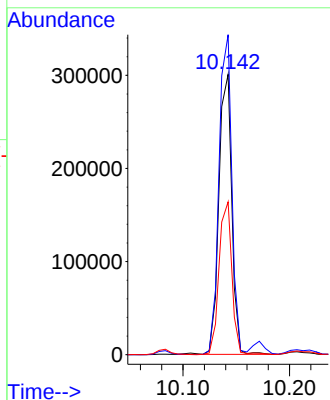
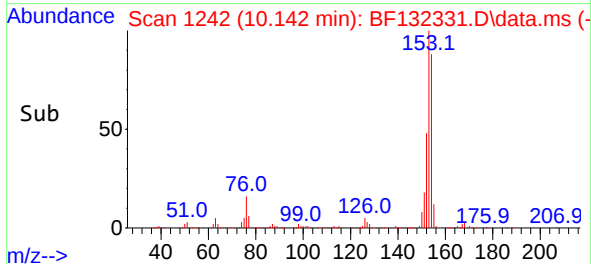
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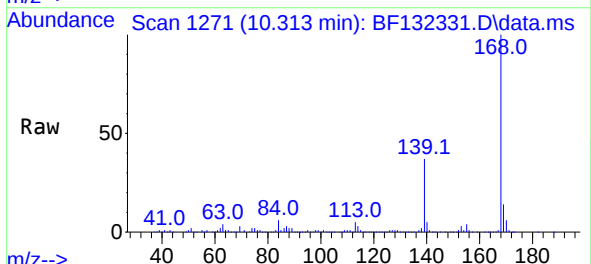
Tgt Ion:154 Resp: 25243
Ion Ratio Lower Upper
154 100
153 114.1 88.3 132.5
152 54.5 42.7 64.1

Manual Integrations
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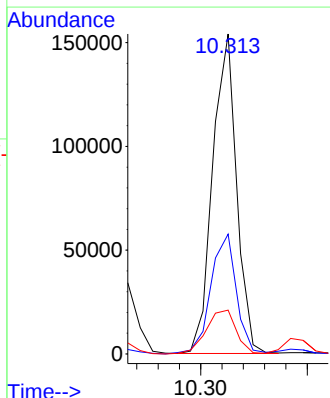
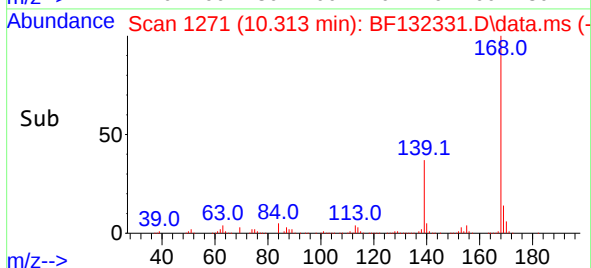
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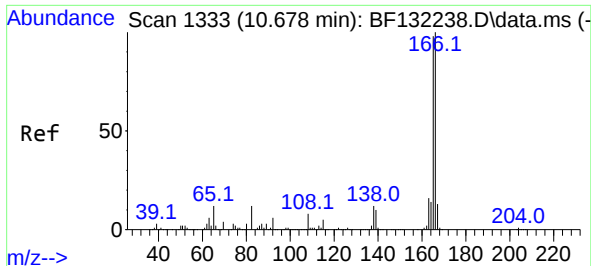


#55
Dibenzofuran
Concen: 3.677 ng
RT: 10.313 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10



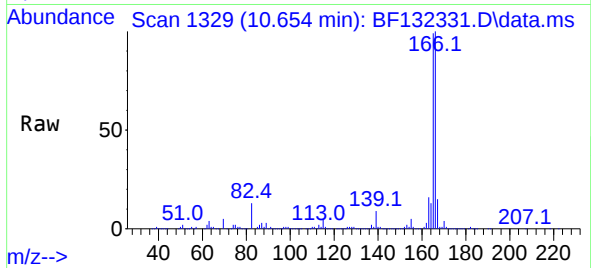
Tgt Ion:168 Resp: 120034
Ion Ratio Lower Upper
168 100
139 37.5 34.2 51.4
169 13.7 11.2 16.8





#58
Fluorene
Concen: 8.023 ng
RT: 10.654 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

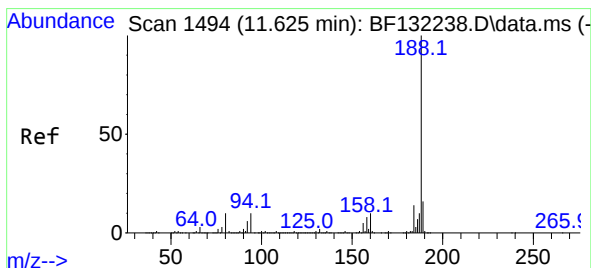
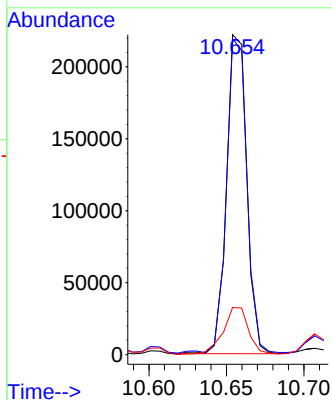
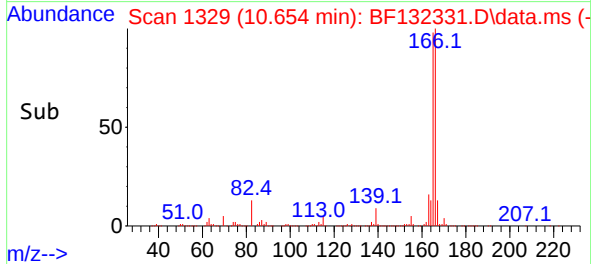
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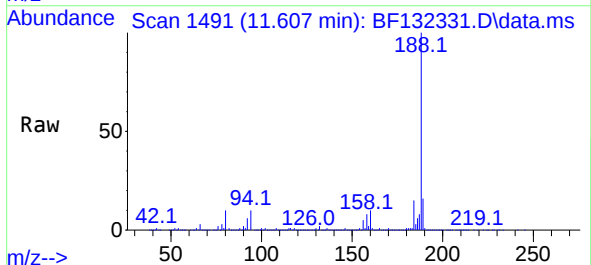
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Ion Ratio Lower Upper
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165 98.8 78.0 117.0
167 14.8 10.8 16.2

Manual Integrations
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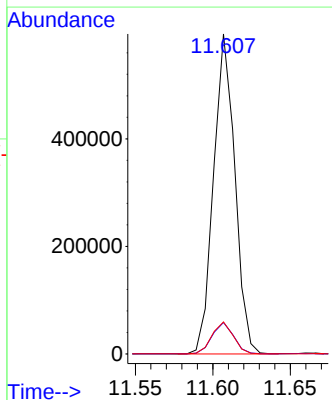
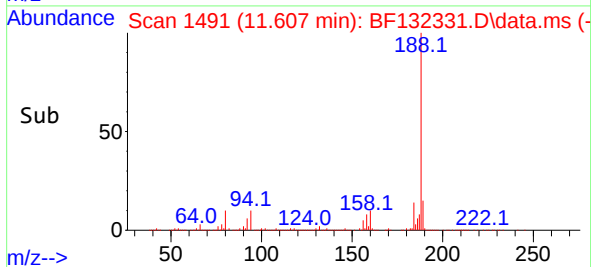
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

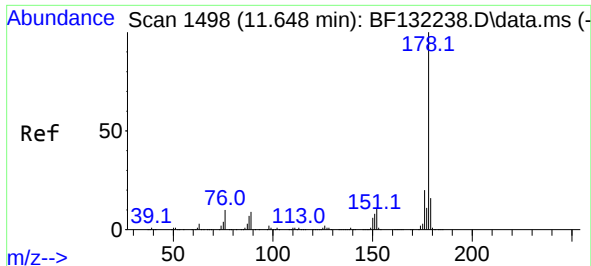


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.607 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10



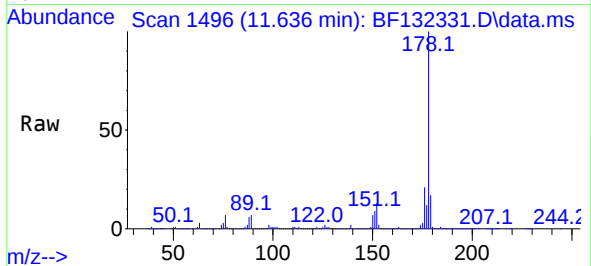
Tgt Ion:188 Resp: 568935
Ion Ratio Lower Upper
188 100
94 9.9 8.2 12.2
80 10.0 8.3 12.5





#71
Phenanthrene
Concen: 84.882 ng
RT: 11.636 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

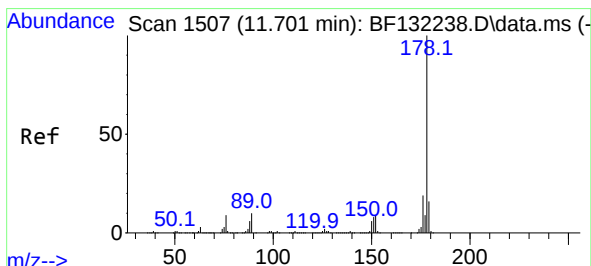
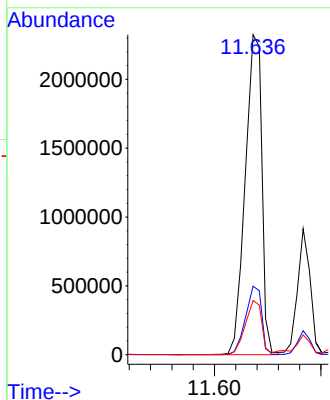
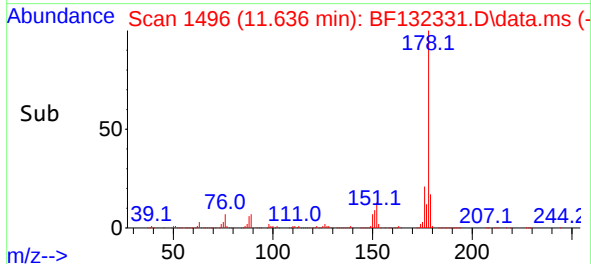
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



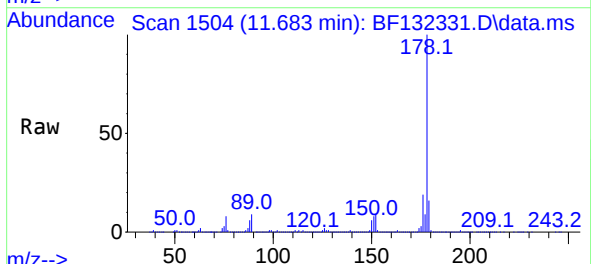
Tgt Ion:178 Resp: 2523549
Ion Ratio Lower Upper
178 100
176 21.4 16.2 24.4
179 16.9 12.8 19.2

Manual Integrations
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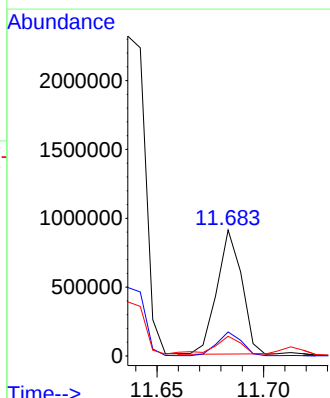
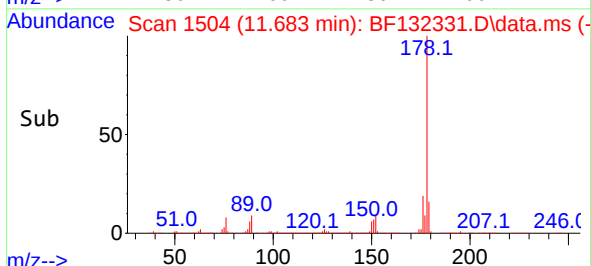
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

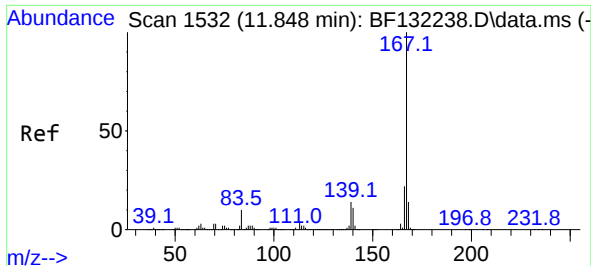


#72
Anthracene
Concen: 24.091 ng
RT: 11.683 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10



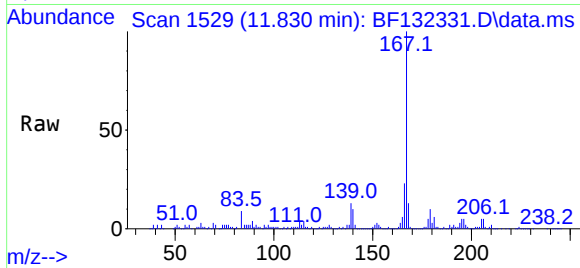
Tgt Ion:178 Resp: 728908
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.6 12.8 19.2





#73
 Carbazole
 Concen: 4.336 ng
 RT: 11.830 min Scan# 11763
 Delta R.T. -0.012 min
 Lab File: BF132331.D
 Acq: 03 Feb 2023 20:10

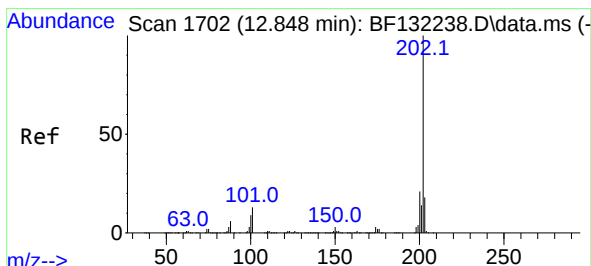
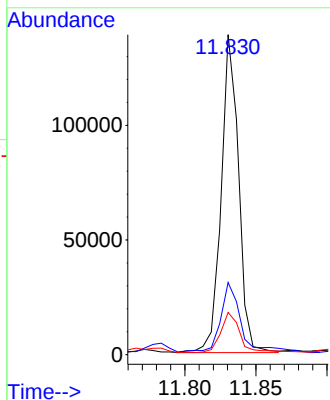
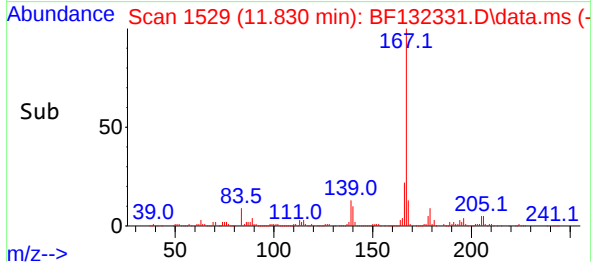
Instrument :
 BNA_F
 ClientSampleId :
 JPP-20-020223



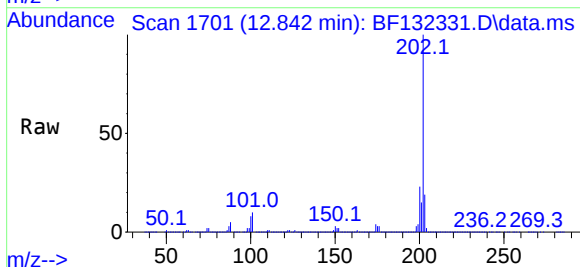
Tgt Ion:167 Resp: 11763
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.4 26.0
 139 13.2 11.4 17.2

Manual Integrations
 APPROVED

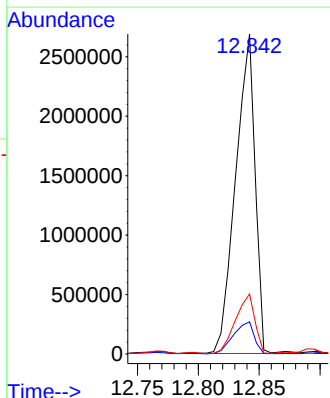
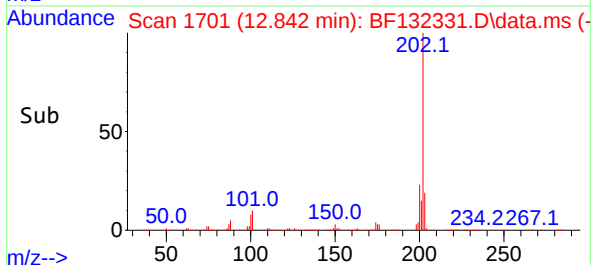
Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023

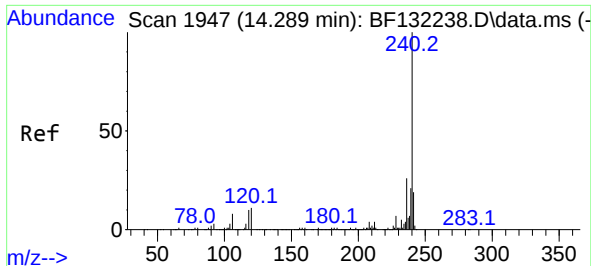


#75
 Fluoranthene
 Concen: 98.705 ng
 RT: 12.842 min Scan# 1701
 Delta R.T. 0.006 min
 Lab File: BF132331.D
 Acq: 03 Feb 2023 20:10



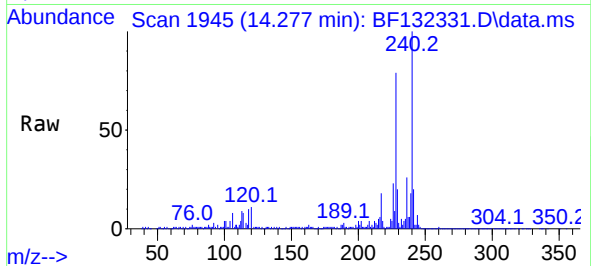
Tgt Ion:202 Resp: 2994611
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 32.7
 203 18.7 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

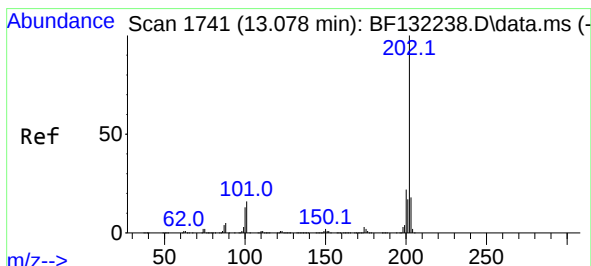
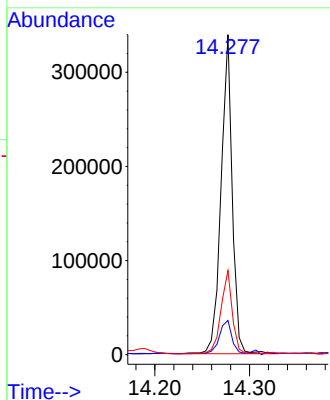
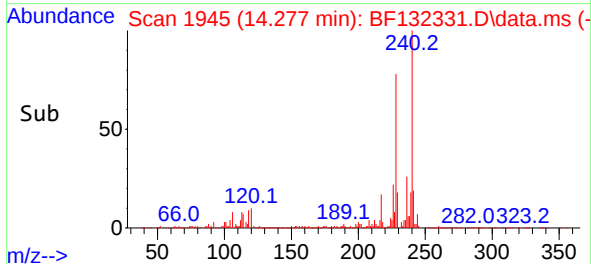
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



Tgt Ion:240 Resp: 279827
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 26.3 21.0 31.6

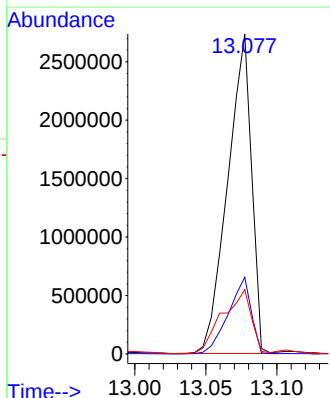
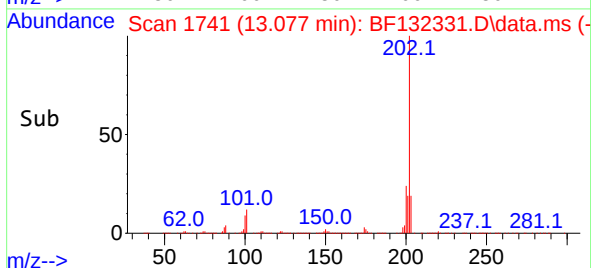
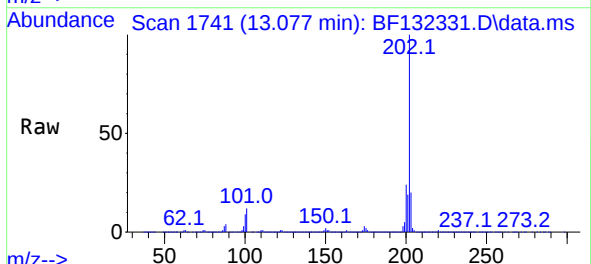
Manual Integrations
APPROVED

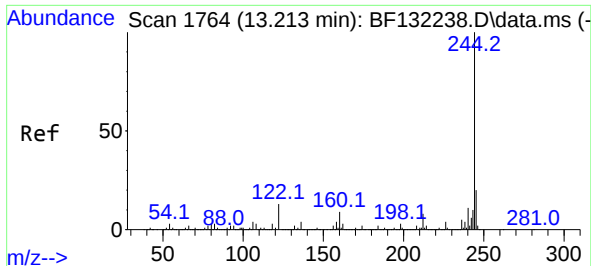
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#78
Pyrene
Concen: 142.009 ng
RT: 13.077 min Scan# 1741
Delta R.T. 0.012 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

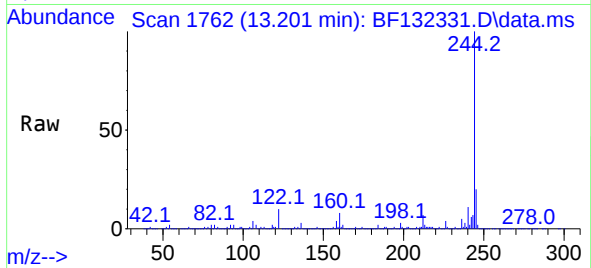
Tgt Ion:202 Resp: 3196162
Ion Ratio Lower Upper
202 100
200 24.0 17.3 25.9
203 20.1 14.4 21.6





#79
Terphenyl-d14
Concen: 66.393 ng
RT: 13.201 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

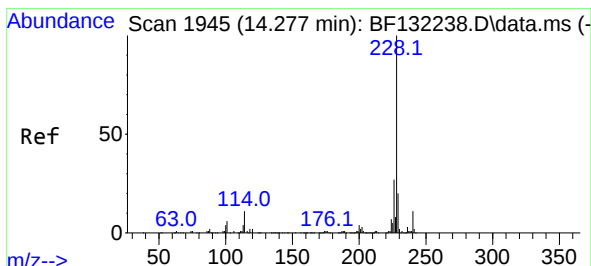
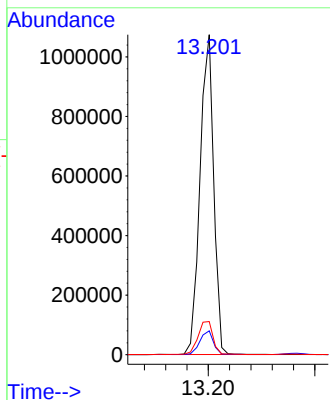
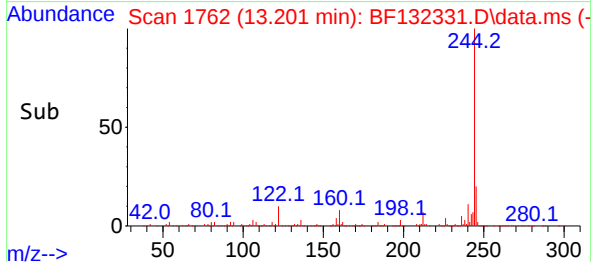
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



Tgt Ion:244 Resp: 960424
Ion Ratio Lower Upper
244 100
212 7.5 6.4 9.6
122 10.4 10.5 15.7

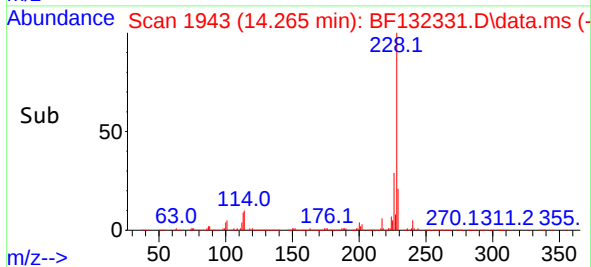
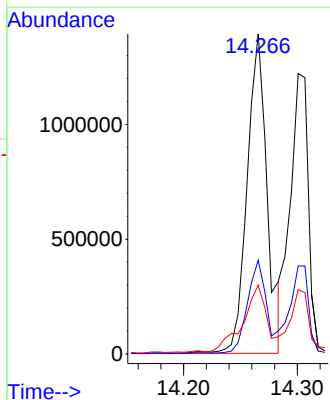
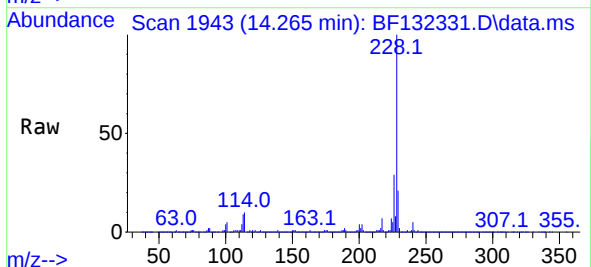
Manual Integrations
APPROVED

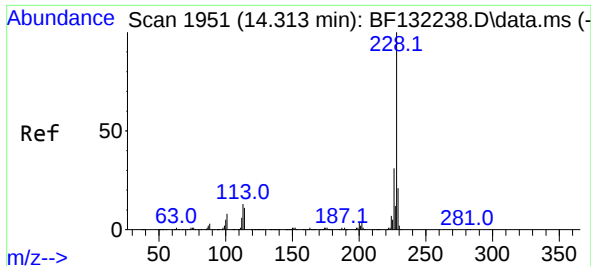
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#81
Benzo(a)anthracene
Concen: 87.009 ng
RT: 14.265 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

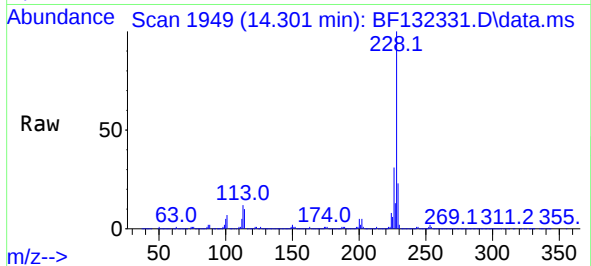
Tgt Ion:228 Resp: 1702901
Ion Ratio Lower Upper
228 100
226 29.3 22.0 33.0
229 21.5 15.8 23.6





#83
Chrysene
Concen: 73.985 ng
RT: 14.301 min Scan# 1949
Delta R.T. 0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

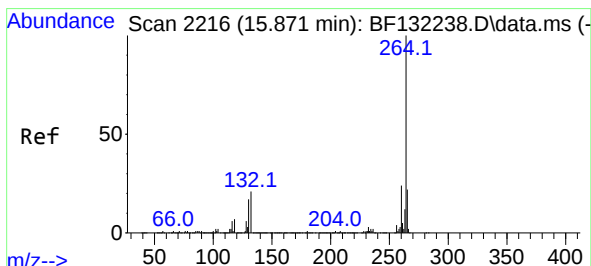
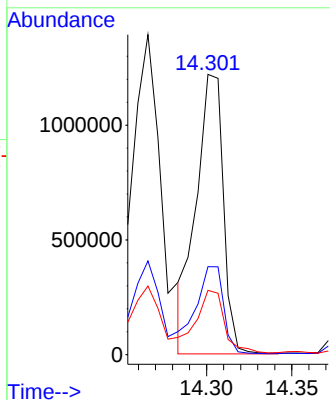
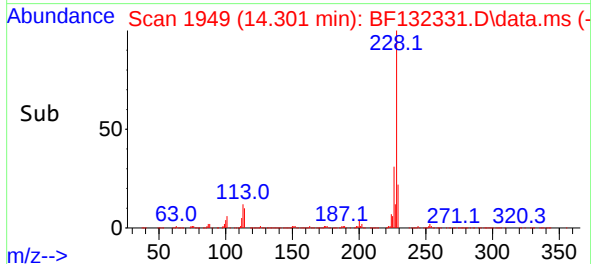
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



Tgt Ion:228 Resp: 1355880
Ion Ratio Lower Upper
228 100
226 31.4 24.9 37.3
229 23.0 16.4 24.6

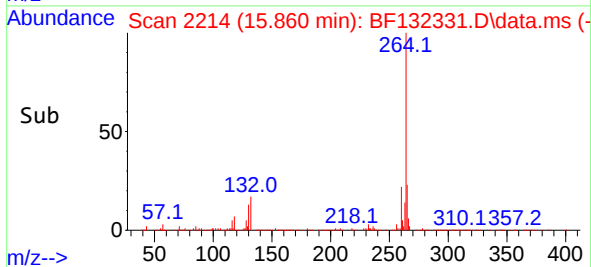
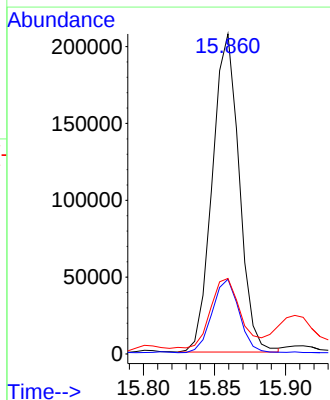
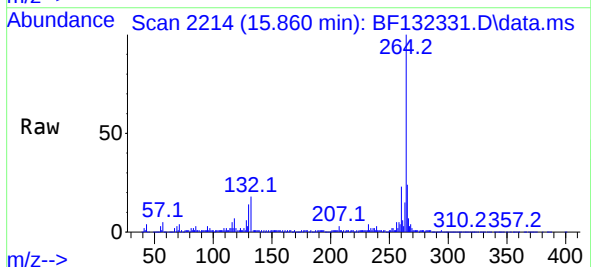
Manual Integrations
APPROVED

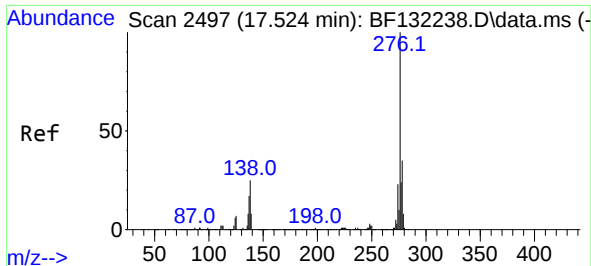
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.860 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:264 Resp: 272111
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 23.6 17.4 26.2





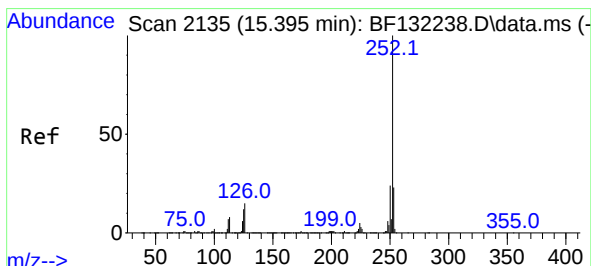
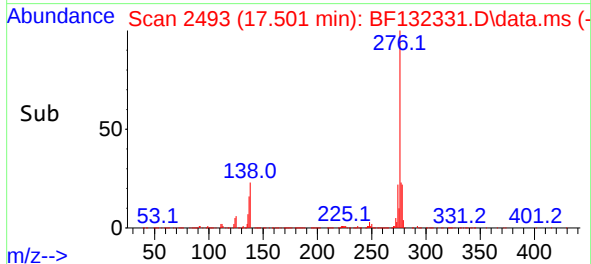
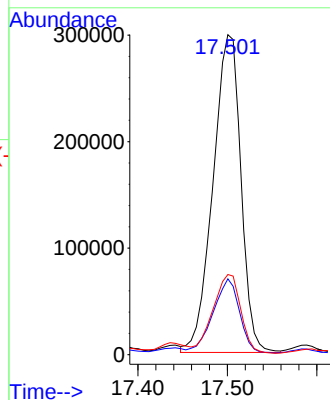
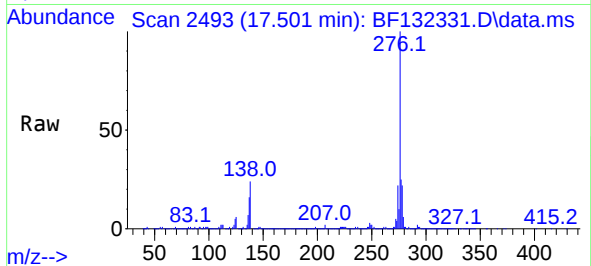
#87
Indeno(1,2,3-cd)pyrene
Concen: 35.781 ng m
RT: 17.501 min Scan# 2497
Delta R.T. 0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

Tgt Ion:276 Resp: 646950
Ion Ratio Lower Upper
276 100
138 4.5 23.3 34.9
277 4.7 20.0 30.0

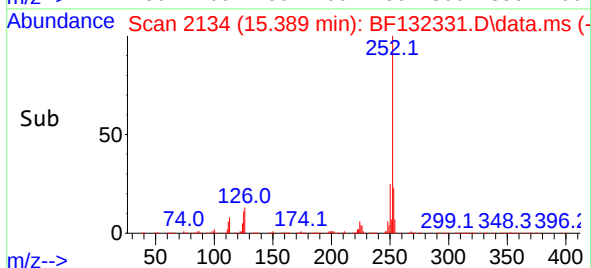
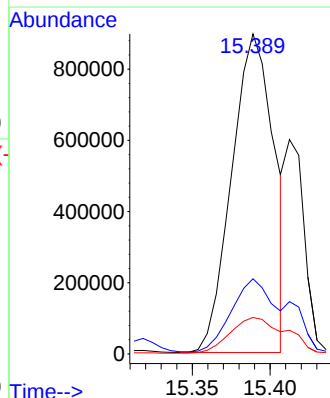
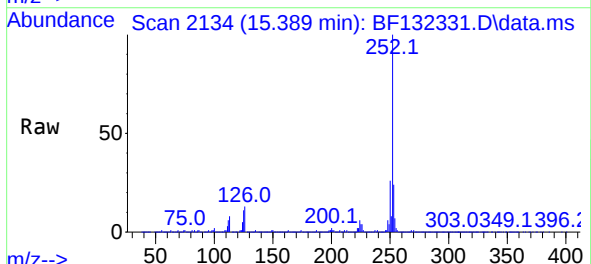
Manual Integrations
APPROVED

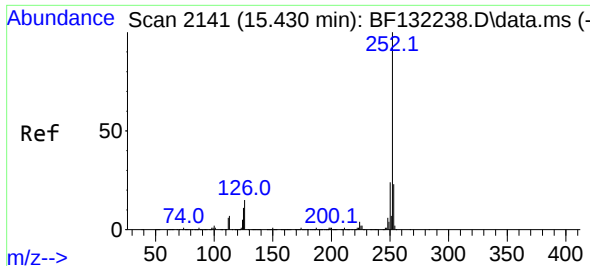
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#88
Benzo(b)fluoranthene
Concen: 97.452 ng m
RT: 15.389 min Scan# 2134
Delta R.T. 0.012 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

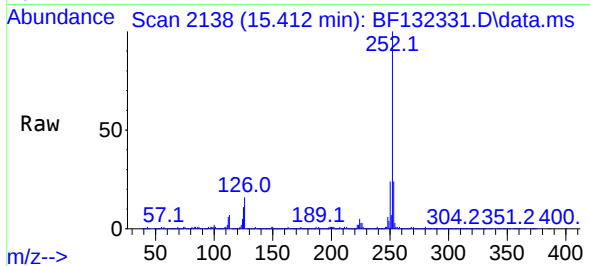
Tgt Ion:252 Resp: 1685588
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 11.4 9.6 14.4





#89
Benzo(k)fluoranthene
Concen: 30.280 ng m
RT: 15.412 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

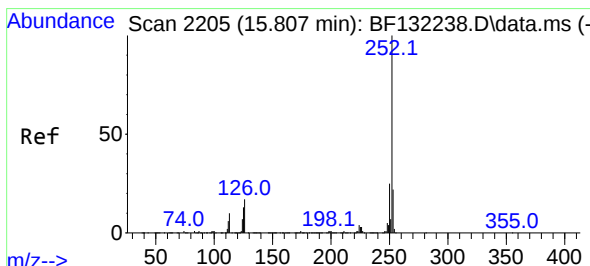
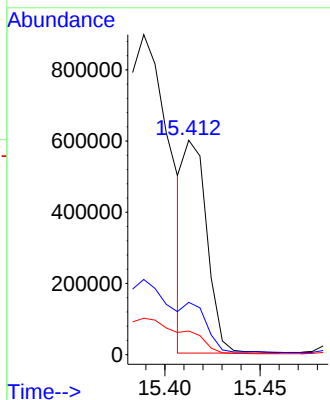
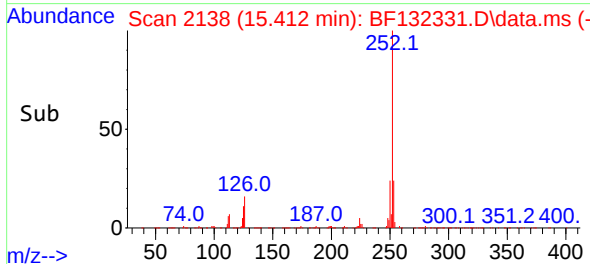
Instrument :
BNA_F
ClientSampleId :
JPP-20-020223



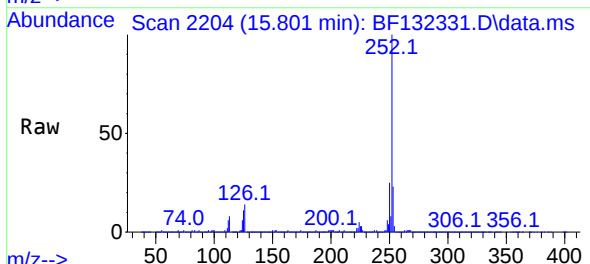
Tgt Ion:252 Resp: 49993
Ion Ratio Lower Upper
252 100
253 24.4 18.2 27.2
125 11.0 9.0 13.6

Manual Integrations
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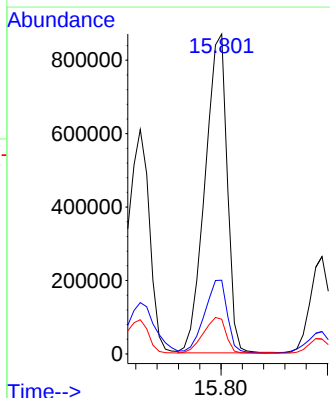
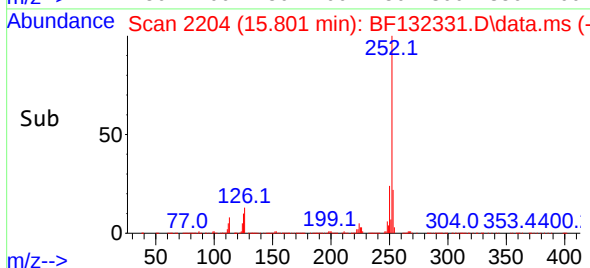
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

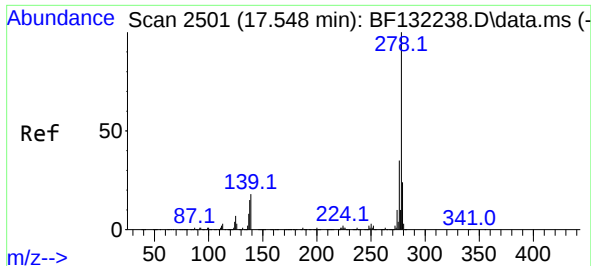


#90
Benzo(a)pyrene
Concen: 77.912 ng
RT: 15.801 min Scan# 2204
Delta R.T. 0.012 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10



Tgt Ion:252 Resp: 1254883
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.8 10.2 15.4





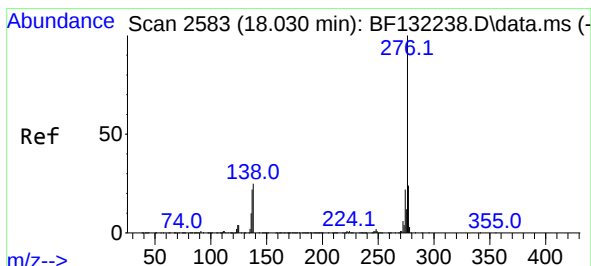
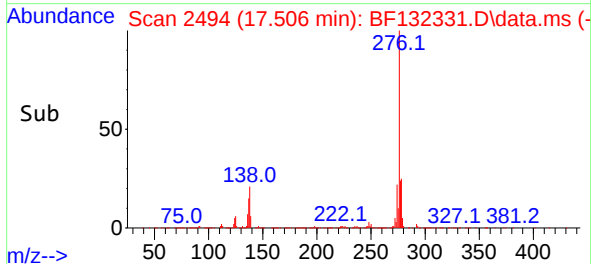
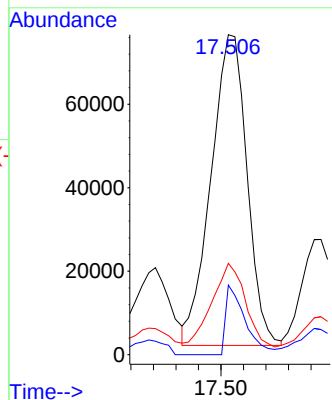
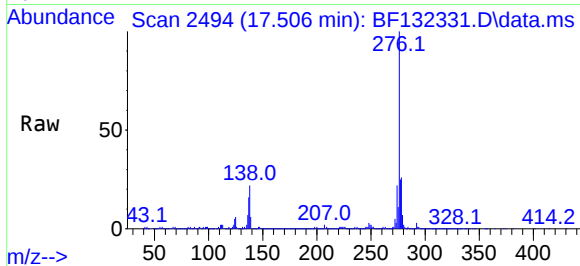
#91
Dibenzo(a,h)anthracene
Concen: 11.402 ng m
RT: 17.506 min Scan# 2494
Delta R.T. -0.012 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Instrument :
BNA_F
ClientSampleId :
JPP-20-020223

Tgt Ion:278 Resp: 165748
Ion Ratio Lower Upper
278 100
139 21.7 14.2 21.2
279 28.5 19.6 29.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#92
Benzo(g,h,i)perylene
Concen: 42.569 ng
RT: 18.006 min Scan# 2579
Delta R.T. 0.000 min
Lab File: BF132331.D
Acq: 03 Feb 2023 20:10

Tgt Ion:276 Resp: 639293
Ion Ratio Lower Upper
276 100
277 24.3 19.4 29.2
138 23.2 20.3 30.5

