

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
 Data File : BF131145.D
 Acq On : 11 Nov 2022 02:47
 Operator : CG\JU
 Sample : N5518-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 03:25:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	66382	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	221733	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	109165	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	212301	20.000	ng	0.00
76) Chrysene-d12	14.086	240	116331	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	86945	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	158058	40.492	ng	0.00
7) Phenol-d6	6.516	99	184655	36.184	ng	0.00
23) Nitrobenzene-d5	7.451	82	110317	22.448	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	41572	36.848	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	196428	25.119	ng	0.00
79) Terphenyl-d14	13.016	244	204397	30.806	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.198	128	62128	5.128	ng	99
37) 2-Methylnaphthalene	8.886	142	45687	5.850	ng	99
38) 1-Methylnaphthalene	8.986	142	51460	6.728	ng	95
49) Acenaphthylene	9.798	152	81292	7.767	ng	99
52) Acenaphthene	9.969	154	107525	17.224	ng	98
55) Dibenzofuran	10.139	168	113088	12.232	ng	96
58) Fluorene	10.486	166	199394	26.554	ng	100
71) Phenanthrene	11.463	178	1204227	103.134	ng	99
72) Anthracene	11.510	178	364037	32.123	ng	99
73) Carbazole	11.663	167	110465	10.961	ng	99
75) Fluoranthene	12.657	202	1277330	109.287	ng	99
78) Pyrene	12.892	202	1190446	119.275	ng	99
81) Benzo(a)anthracene	14.074	228	459589	55.272	ng	96
83) Chrysene	14.116	228	391777	49.891	ng	98
87) Indeno(1,2,3-cd)pyrene	17.115	276	142956	22.342	ng	95
88) Benzo(b)fluoranthene	15.151	252	361167m	58.754	ng	
89) Benzo(k)fluoranthene	15.174	252	139439m	23.600	ng	
90) Benzo(a)pyrene	15.527	252	285515	57.935	ng	98
91) Dibenzo(a,h)anthracene	17.121	278	37799	9.872	ng	# 83
92) Benzo(g,h,i)perylene	17.580	276	140259	25.218	ng	98

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

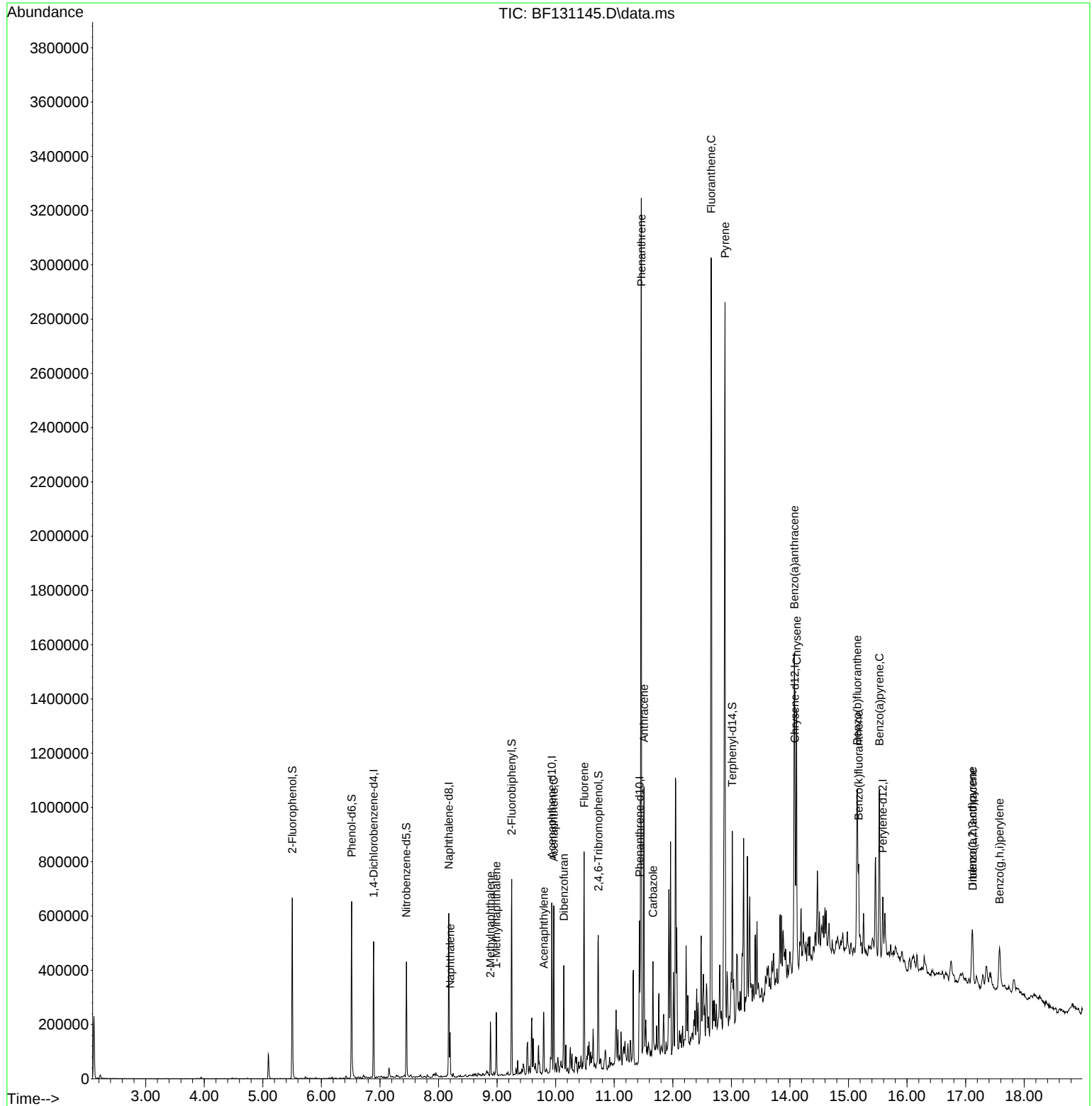
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131145.D
Acq On : 11 Nov 2022 02:47
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Sample : N5518-03 2X
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ALS Vial : 22 Sample Multiplier: 1

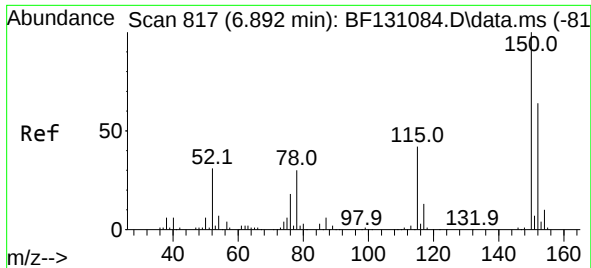
Instrument :
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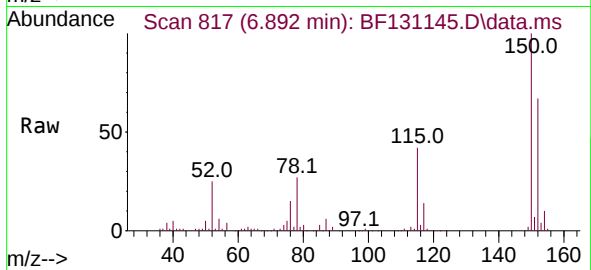
Quant Time: Nov 11 03:25:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 10 04:15:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

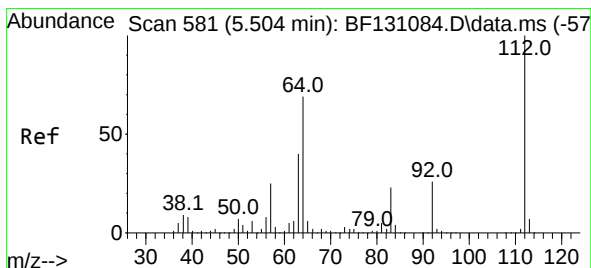
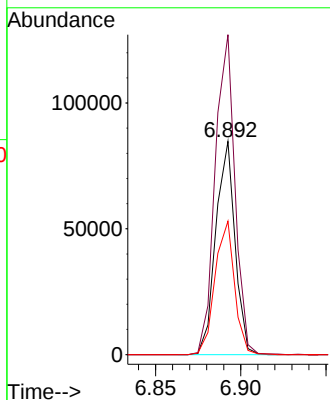
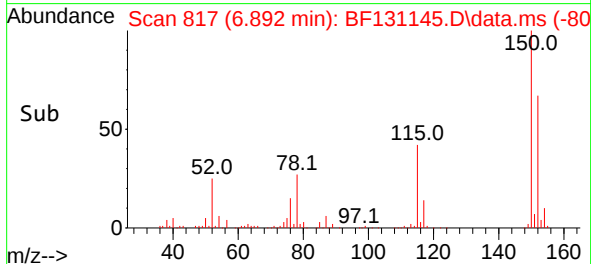
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822



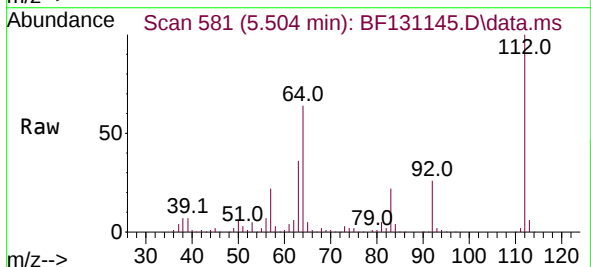
Tgt Ion:152 Resp: 66382
Ion Ratio Lower Upper
152 100
150 150.1 125.5 188.3
115 62.6 52.2 78.2

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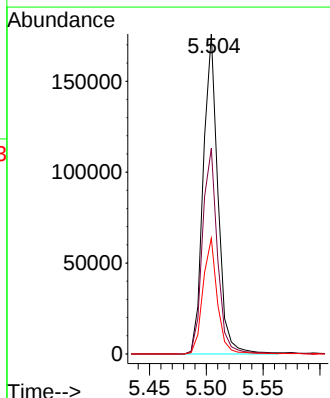
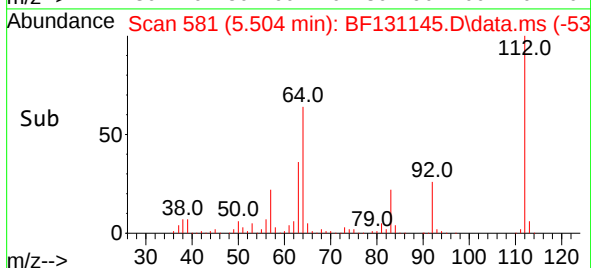
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

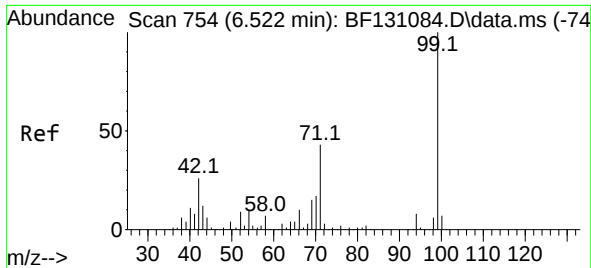


#5
2-Fluorophenol
Concen: 40.492 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.000 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47



Tgt Ion:112 Resp: 158058
Ion Ratio Lower Upper
112 100
64 64.2 55.1 82.7
63 36.2 32.4 48.6





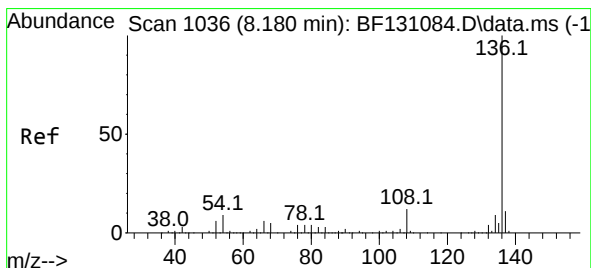
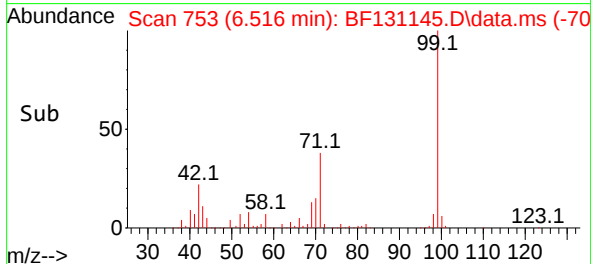
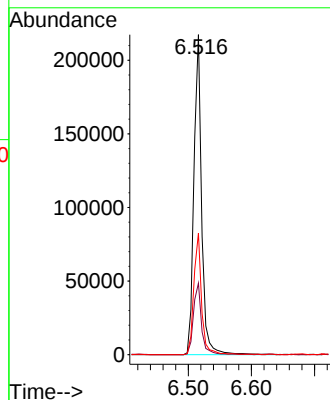
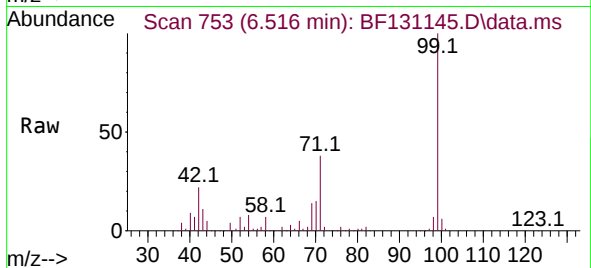
#7
Phenol-d6
Concen: 36.184 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

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Tgt Ion: 99 Resp: 184655
Ion Ratio Lower Upper
99 100
42 22.3 20.8 31.2
71 38.0 34.2 51.4

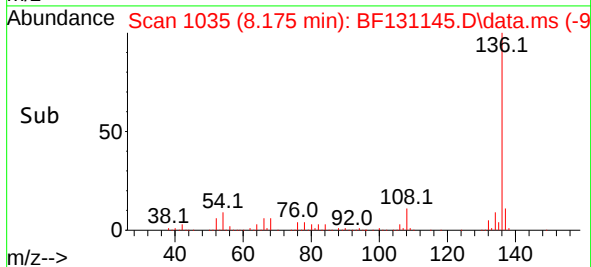
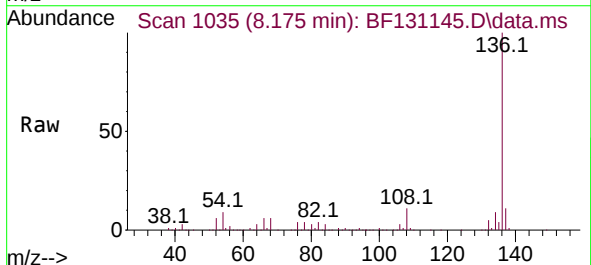
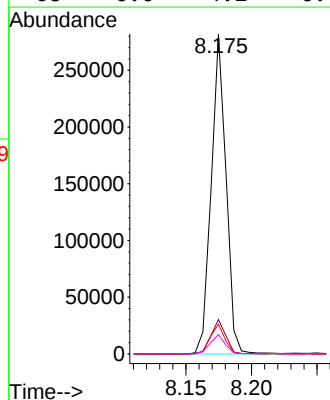
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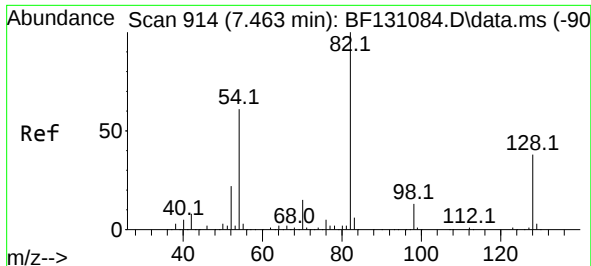
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

Tgt Ion:136 Resp: 221733
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.3 7.2 10.8
68 6.0 4.2 6.4





#23

Nitrobenzene-d5

Concen: 22.448 ng

RT: 7.451 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF131145.D

Acq: 11 Nov 2022 02:47

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822

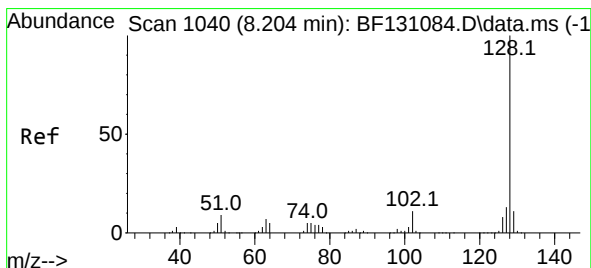
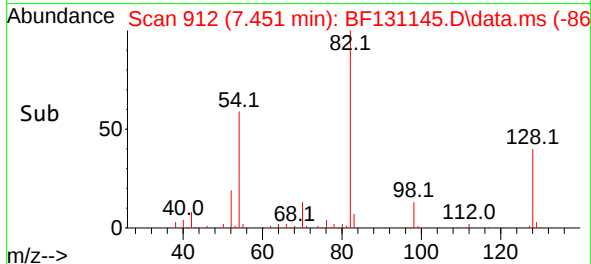
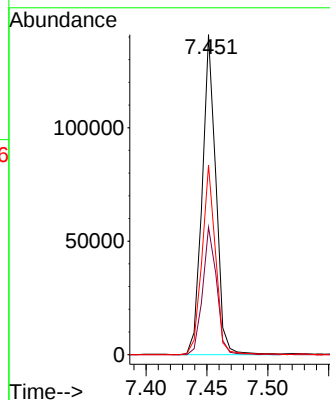
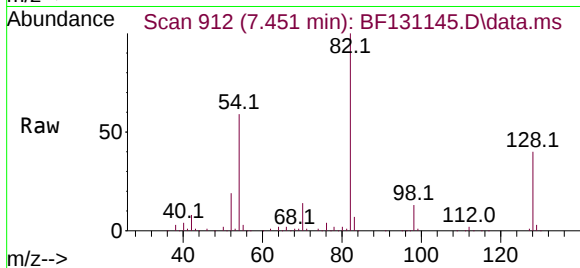
Tgt Ion: 82 Resp: 11031

Ion	Ratio	Lower	Upper
82	100		
128	39.8	30.5	45.7
54	59.2	49.1	73.7

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#31

Naphthalene

Concen: 5.128 ng

RT: 8.198 min Scan# 1039

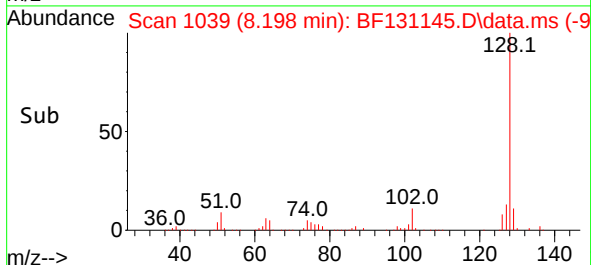
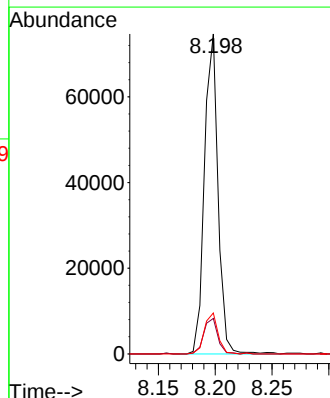
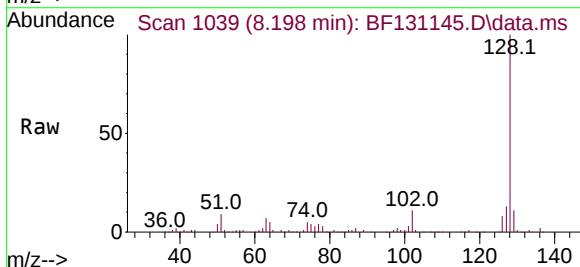
Delta R.T. -0.006 min

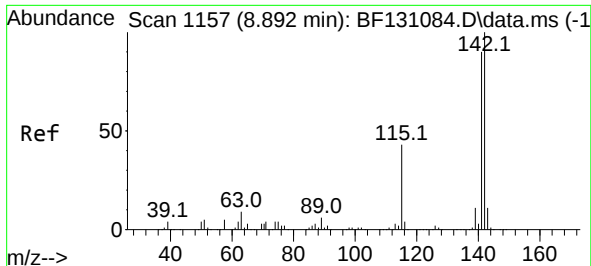
Lab File: BF131145.D

Acq: 11 Nov 2022 02:47

Tgt Ion:128 Resp: 62128

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.8	10.8	16.2





#37

2-Methylnaphthalene

Concen: 5.850 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF131145.D

Acq: 11 Nov 2022 02:47

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822

Tgt Ion:142 Resp: 4568

Ion Ratio Lower Upper

142 100

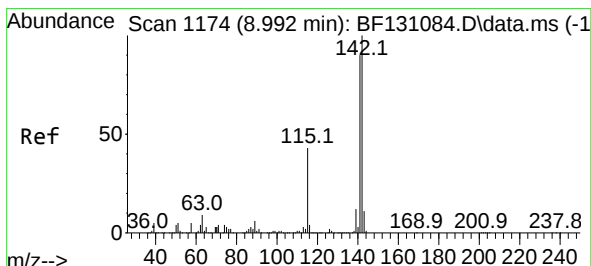
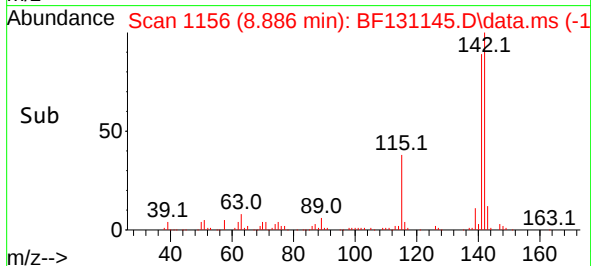
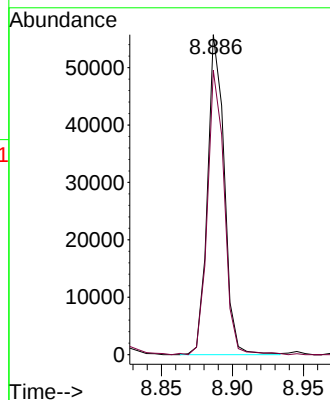
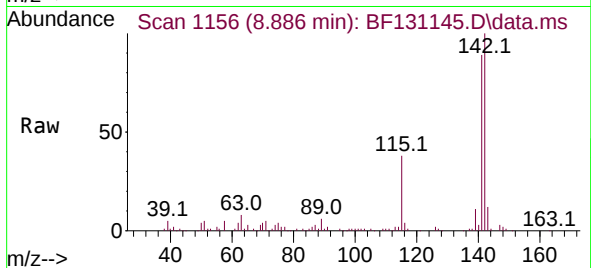
141 88.8 72.0 108.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/11/2022



#38

1-Methylnaphthalene

Concen: 6.728 ng

RT: 8.986 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF131145.D

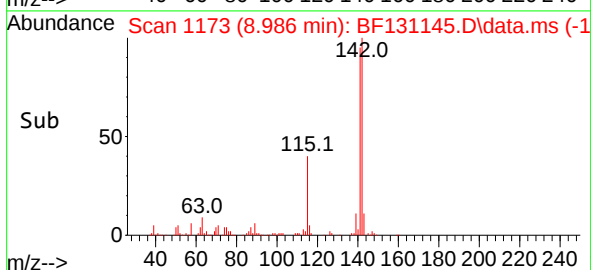
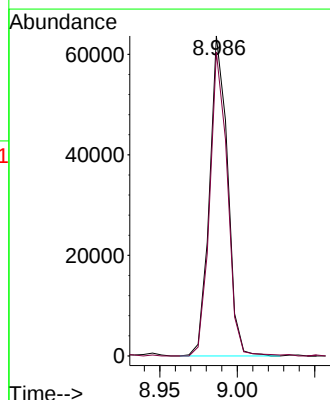
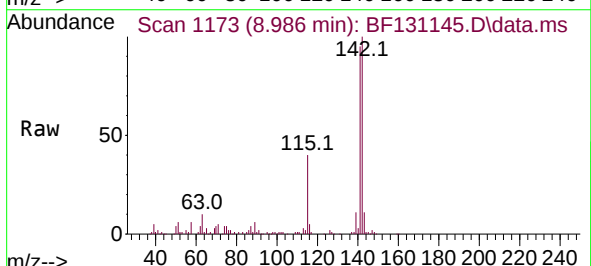
Acq: 11 Nov 2022 02:47

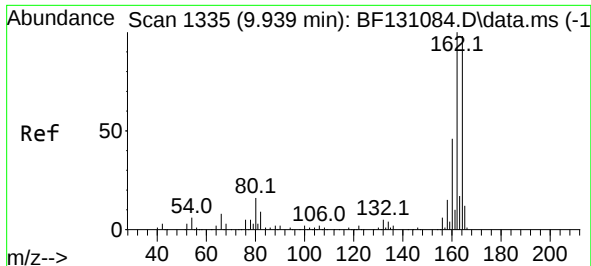
Tgt Ion:142 Resp: 51460

Ion Ratio Lower Upper

142 100

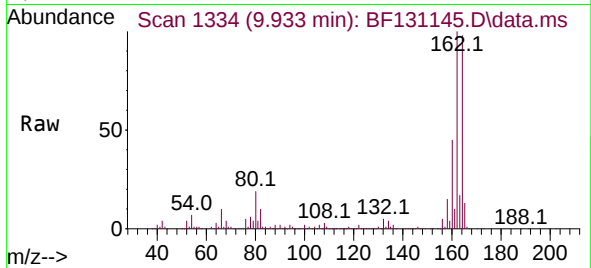
141 94.9 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

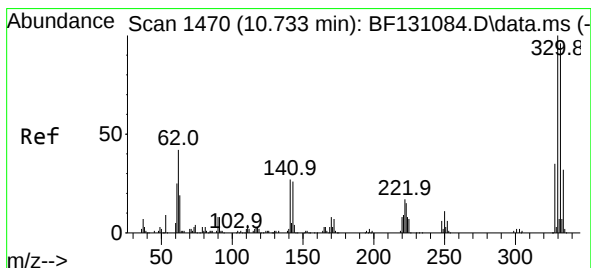
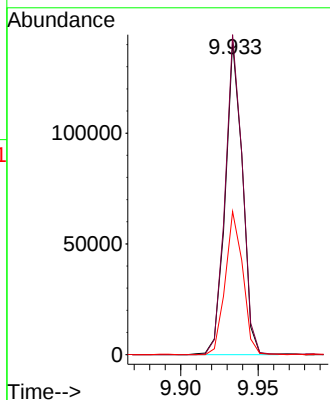
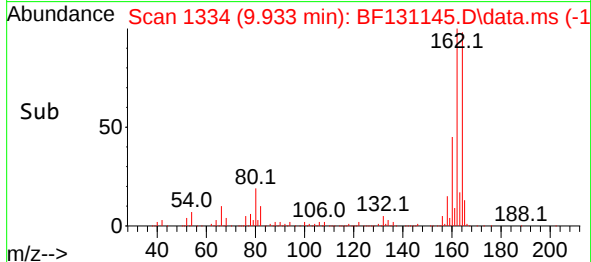
Instrument :
BNA_F
ClientSampleId :
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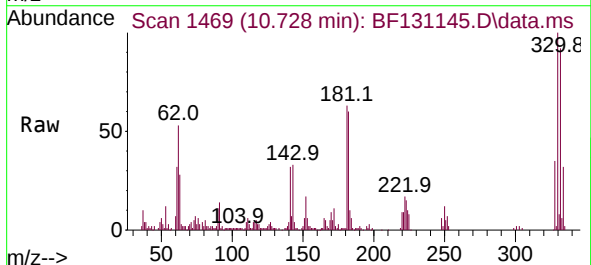
Tgt Ion:164 Resp: 109165
Ion Ratio Lower Upper
164 100
162 102.3 81.7 122.5
160 45.7 37.4 56.2

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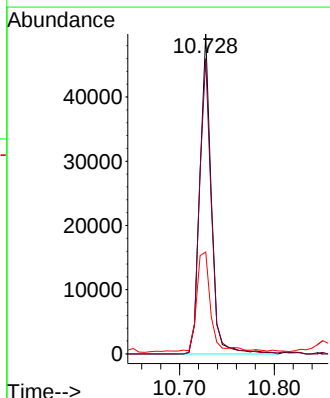
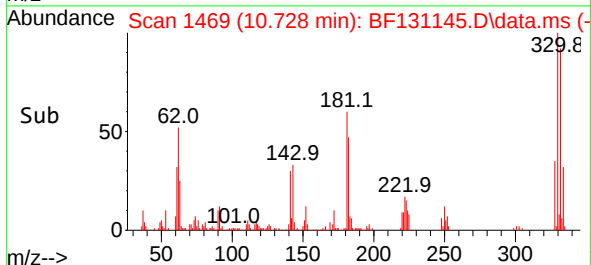
Reviewed By :Christian Giraldo 11/11/2022
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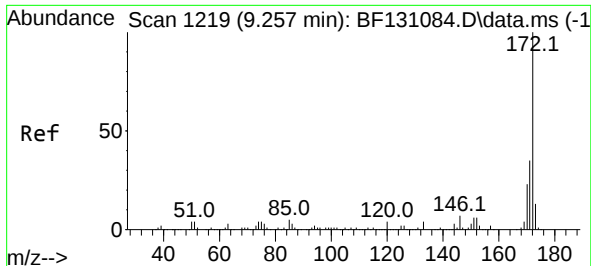


#42
2,4,6-Tribromophenol
Concen: 36.848 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47



Tgt Ion:330 Resp: 41572
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 40.9 28.5 42.7





#45

2-Fluorobiphenyl

Concen: 25.119 ng

RT: 9.251 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131145.D

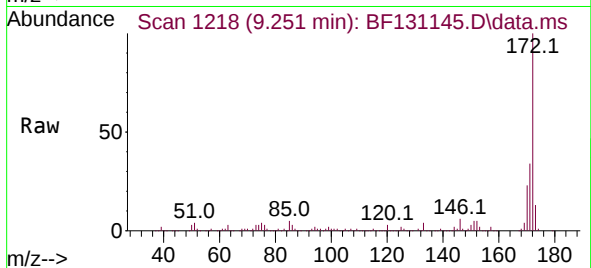
Acq: 11 Nov 2022 02:47

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822



Tgt Ion:172 Resp: 196428

Ion Ratio Lower Upper

172 100

171 34.2 27.7 41.5

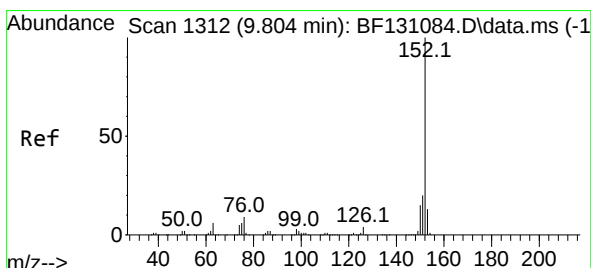
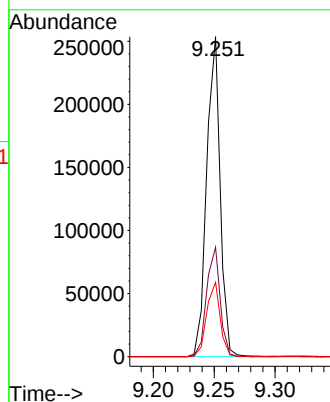
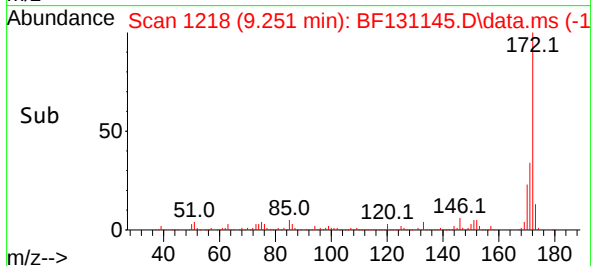
170 23.2 18.8 28.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/11/2022



#49

Acenaphthylene

Concen: 7.767 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF131145.D

Acq: 11 Nov 2022 02:47

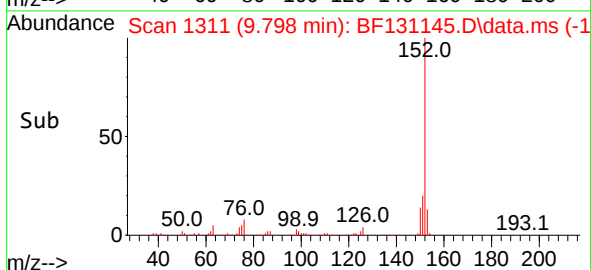
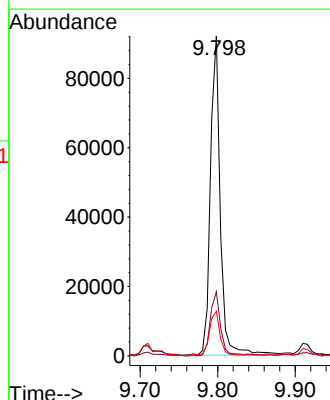
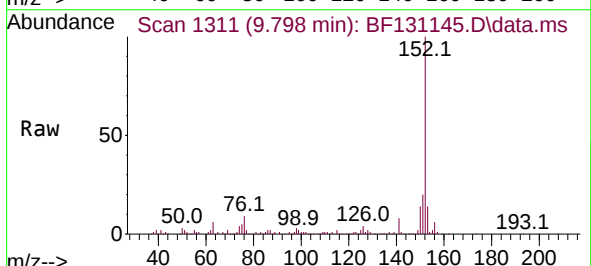
Tgt Ion:152 Resp: 81292

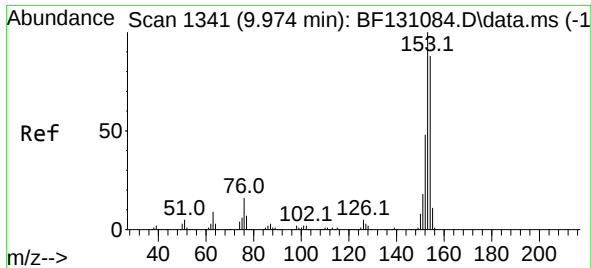
Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

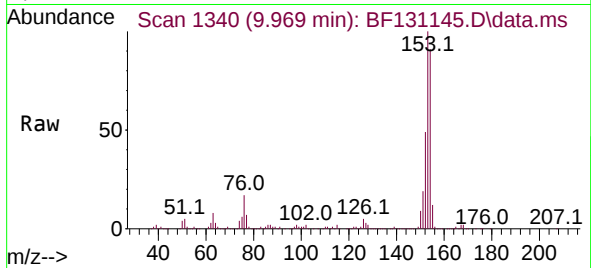
153 13.9 10.2 15.4





#52
Acenaphthene
Concen: 17.224 ng
RT: 9.969 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

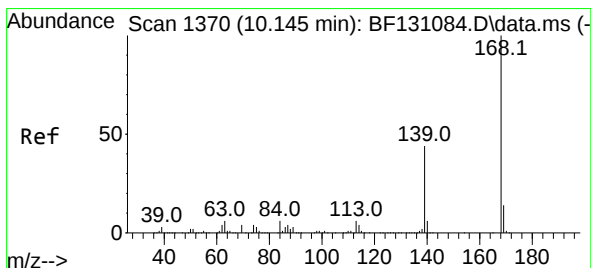
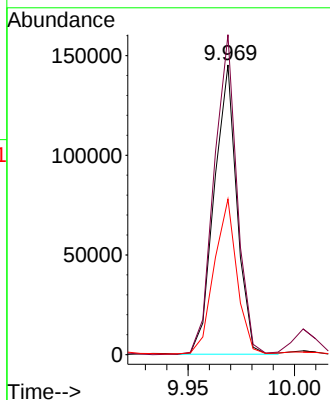
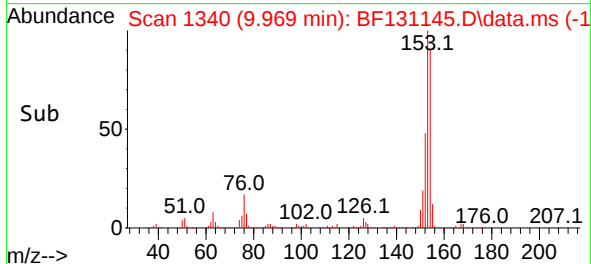
Instrument :
BNA_F
ClientSampleId :
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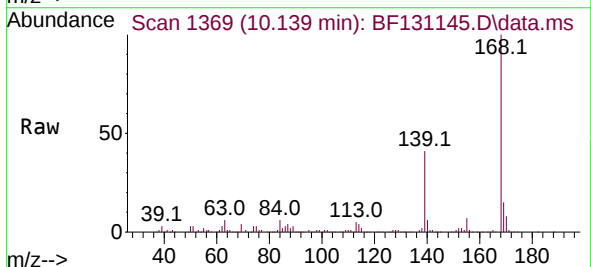
Tgt Ion:154 Resp: 107525
Ion Ratio Lower Upper
154 100
153 110.5 90.8 136.2
152 53.7 43.4 65.2

Manual Integrations
APPROVED

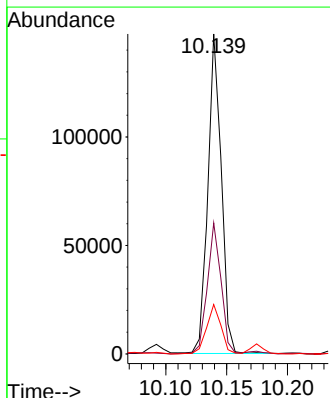
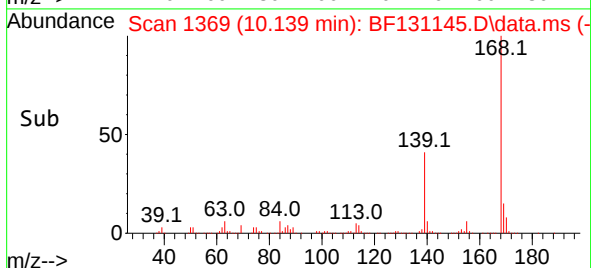
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

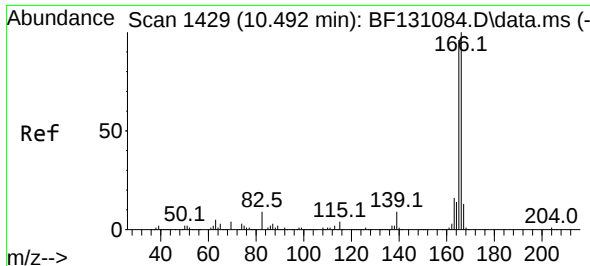


#55
Dibenzofuran
Concen: 12.232 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47



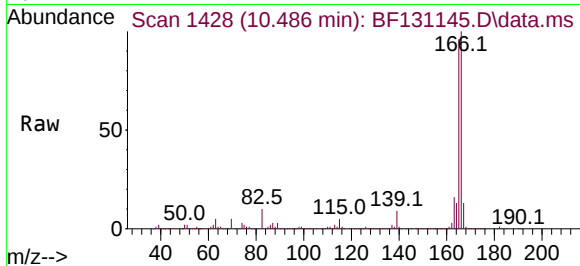
Tgt Ion:168 Resp: 113088
Ion Ratio Lower Upper
168 100
139 40.9 35.0 52.4
169 15.4 11.2 16.8





#58
Fluorene
Concen: 26.554 ng
RT: 10.486 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

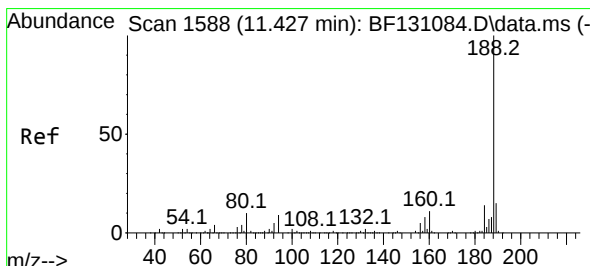
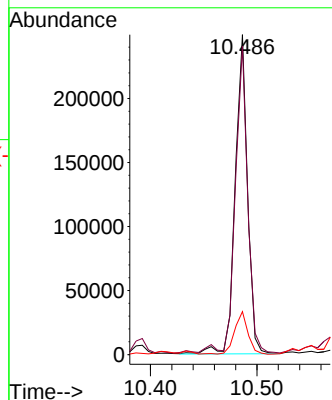
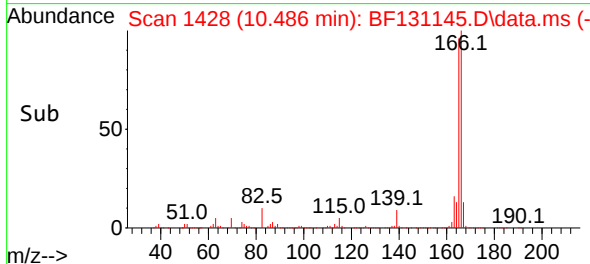
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822



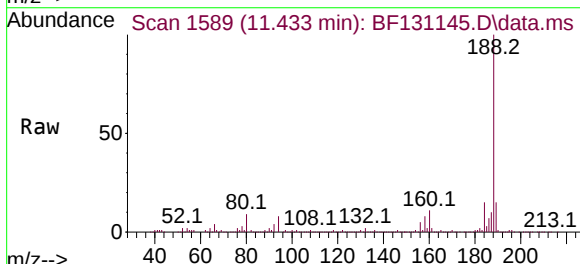
Tgt Ion:166 Resp: 199394
Ion Ratio Lower Upper
166 100
165 96.4 77.2 115.8
167 13.4 10.2 15.4

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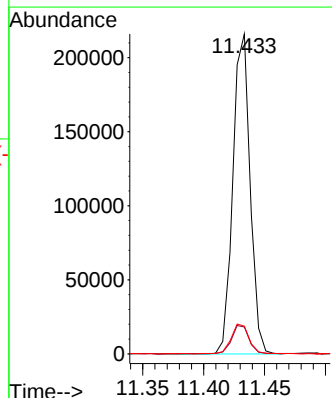
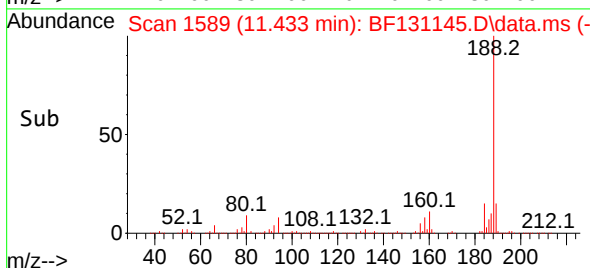
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

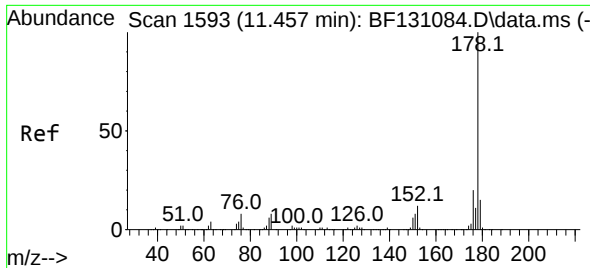


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47



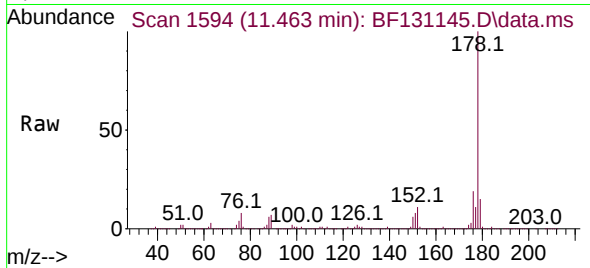
Tgt Ion:188 Resp: 212301
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 8.7 7.9 11.9





#71
Phenanthrene
Concen: 103.134 ng
RT: 11.463 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

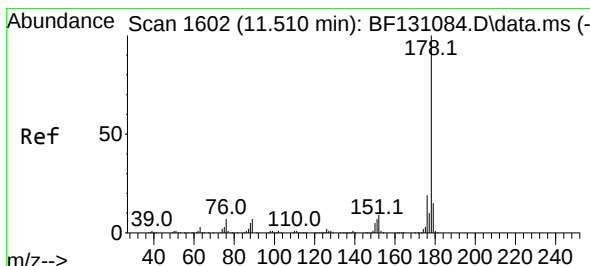
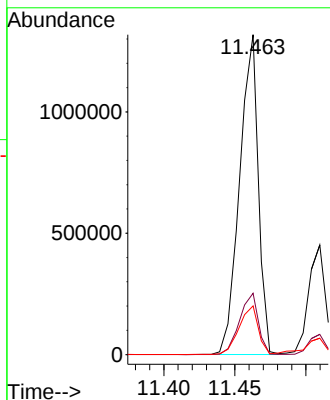
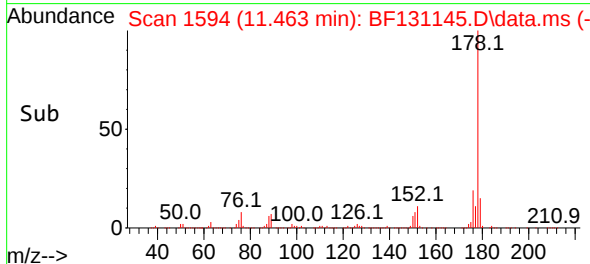
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822



Tgt Ion:178 Resp: 120422
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.2 12.2 18.2

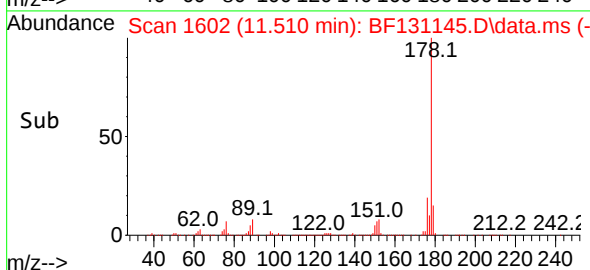
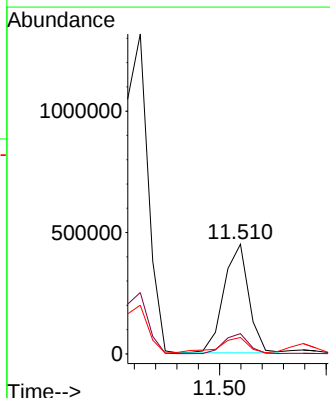
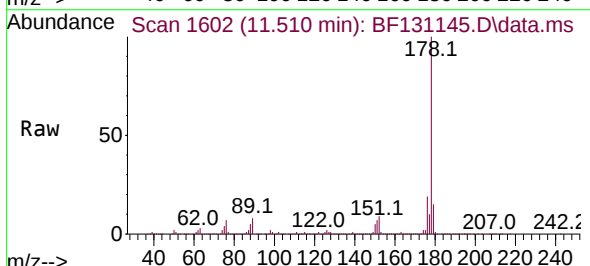
Manual Integrations
APPROVED

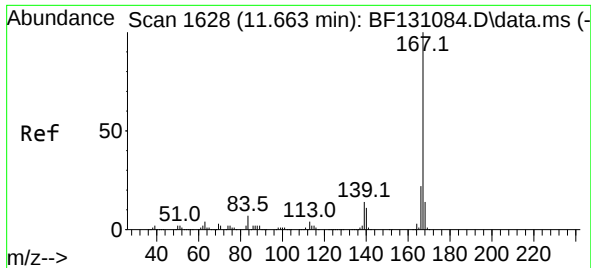
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#72
Anthracene
Concen: 32.123 ng
RT: 11.510 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

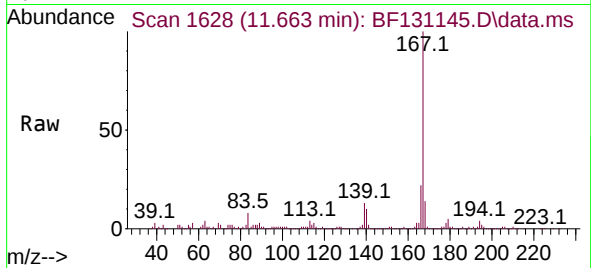
Tgt Ion:178 Resp: 364037
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.0 11.8 17.8





#73
 Carbazole
 Concen: 10.961 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.000 min
 Lab File: BF131145.D
 Acq: 11 Nov 2022 02:47

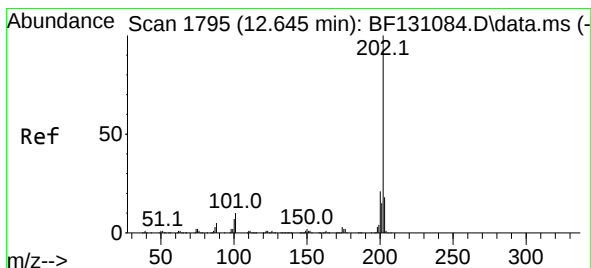
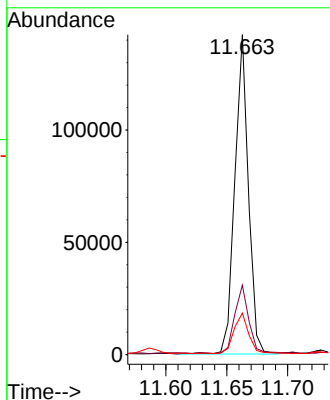
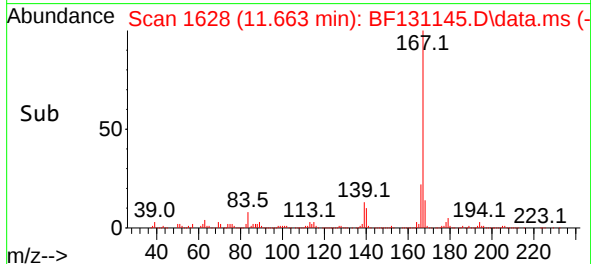
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822



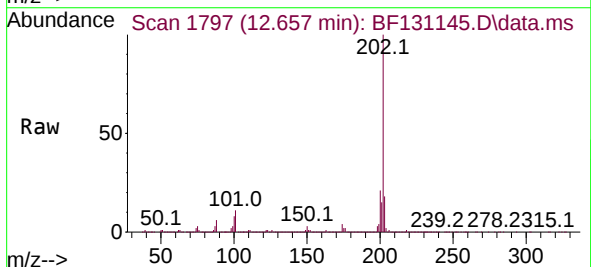
Tgt Ion:167 Resp: 110465
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 13.0 10.8 16.2

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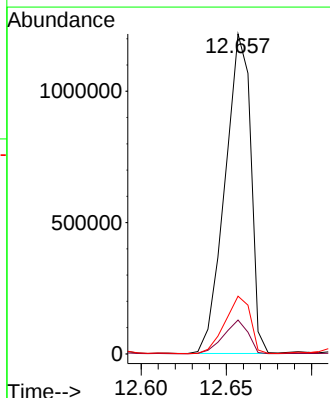
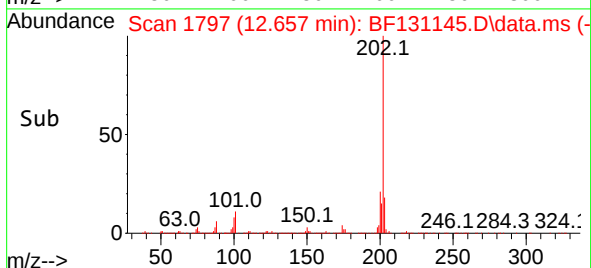
Reviewed By :Christian Giraldo 11/11/2022
 Supervised By :Jagrut Upadhyay 11/11/2022

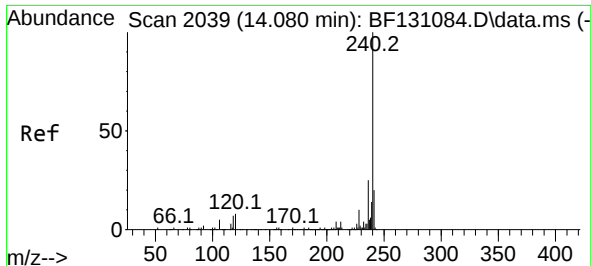


#75
 Fluoranthene
 Concen: 109.287 ng
 RT: 12.657 min Scan# 1797
 Delta R.T. 0.012 min
 Lab File: BF131145.D
 Acq: 11 Nov 2022 02:47



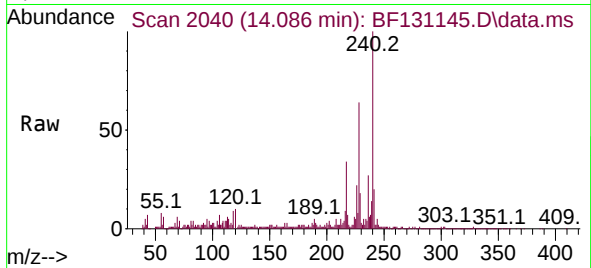
Tgt Ion:202 Resp: 1277330
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 30.0
 203 18.0 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

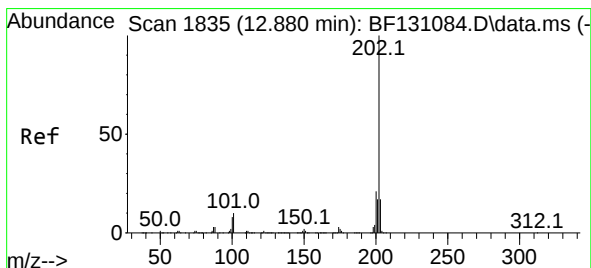
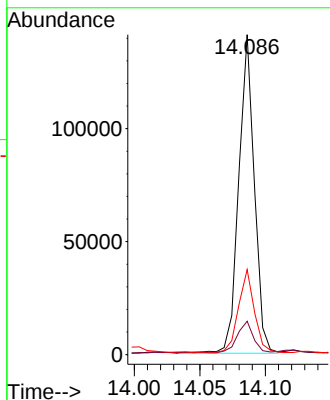
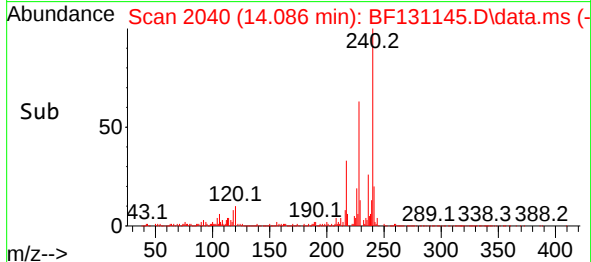
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822



Tgt Ion:240 Resp: 116331
Ion Ratio Lower Upper
240 100
120 10.4 6.5 9.7
236 26.6 19.7 29.5

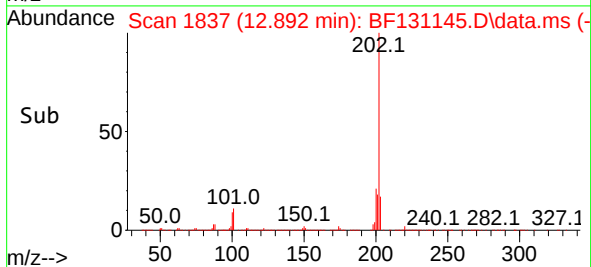
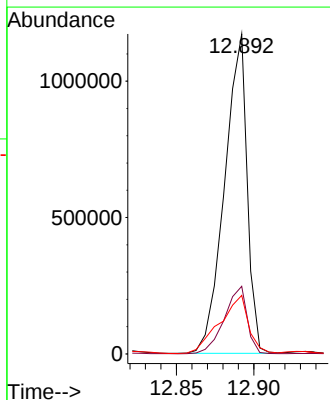
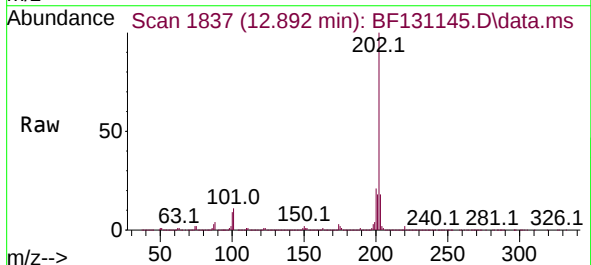
Manual Integrations
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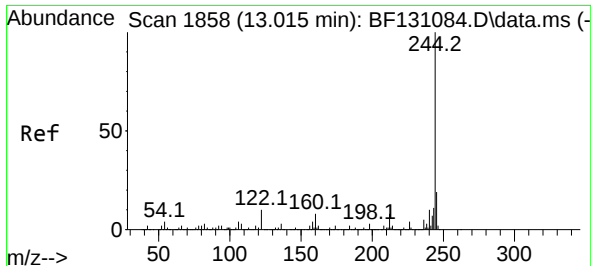
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#78
Pyrene
Concen: 119.275 ng
RT: 12.892 min Scan# 1837
Delta R.T. 0.012 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

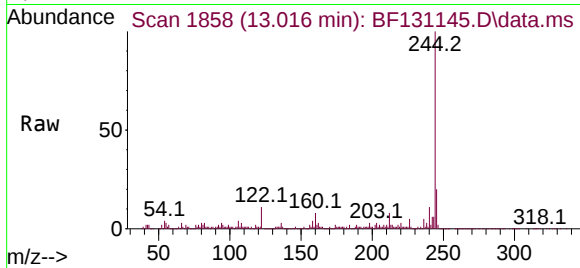
Tgt Ion:202 Resp: 1190446
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.3 13.6 20.4





#79
 Terphenyl-d14
 Concen: 30.806 ng
 RT: 13.016 min Scan# 1858
 Delta R.T. 0.001 min
 Lab File: BF131145.D
 Acq: 11 Nov 2022 02:47

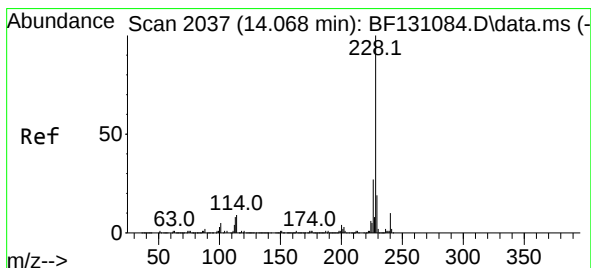
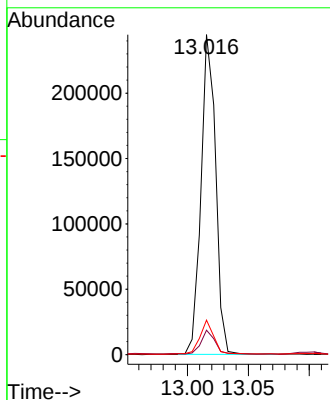
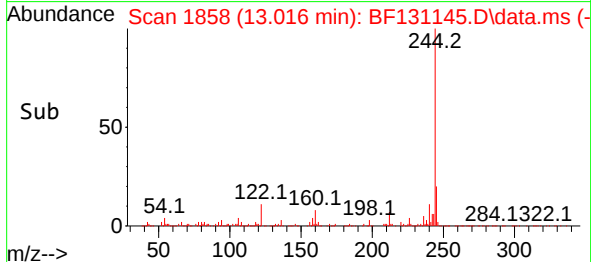
Instrument :
 BNA_F
 ClientSampleId :
 PAT-03-110822



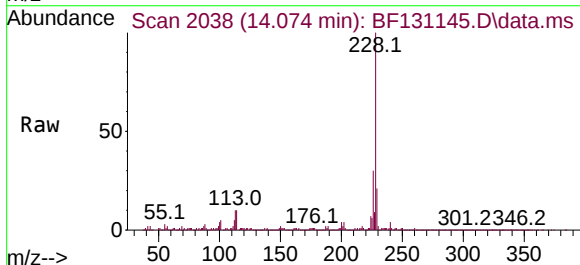
Tgt Ion:244 Resp: 204397
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 10.8 7.8 11.8

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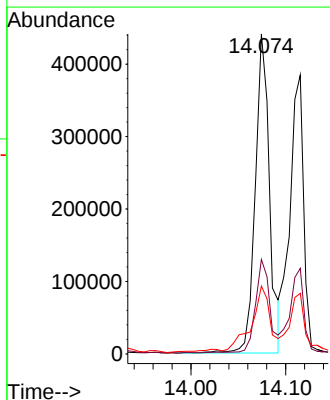
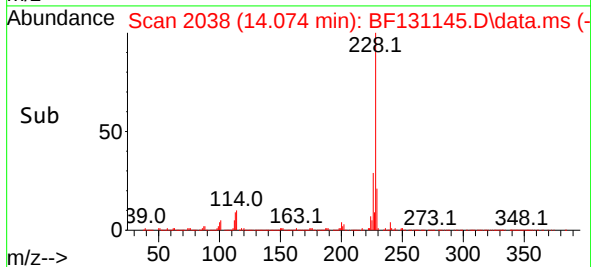
Reviewed By :Christian Giraldo 11/11/2022
 Supervised By :Jagrut Upadhyay 11/11/2022

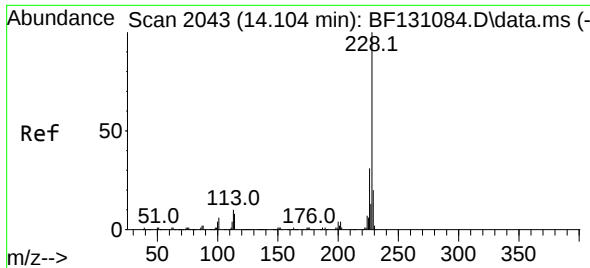


#81
 Benzo(a)anthracene
 Concen: 55.272 ng
 RT: 14.074 min Scan# 2038
 Delta R.T. 0.006 min
 Lab File: BF131145.D
 Acq: 11 Nov 2022 02:47



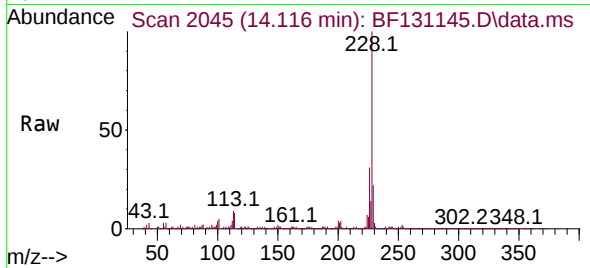
Tgt Ion:228 Resp: 459589
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.8 32.6
 229 21.2 15.4 23.2





#83
Chrysene
Concen: 49.891 ng
RT: 14.116 min Scan# 2045
Delta R.T. 0.012 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

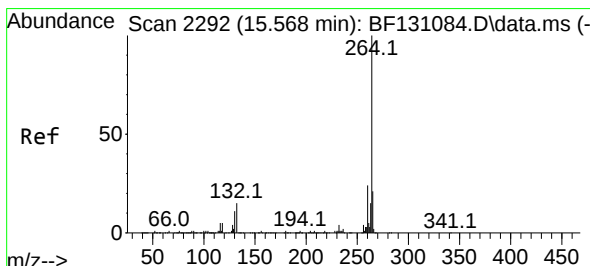
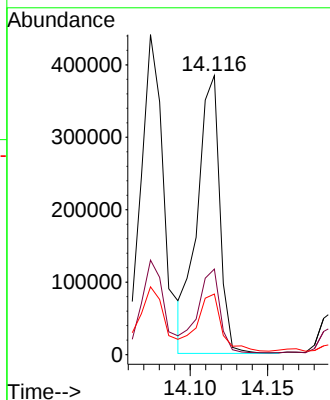
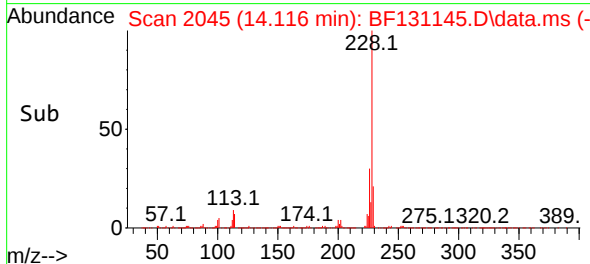
Instrument :
BNA_F
ClientSampleId :
PAT-03-110822



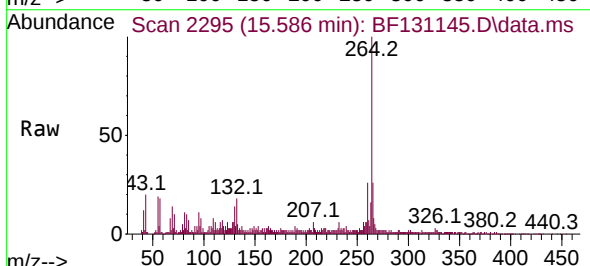
Tgt Ion:228 Resp: 391777
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 21.7 15.8 23.6

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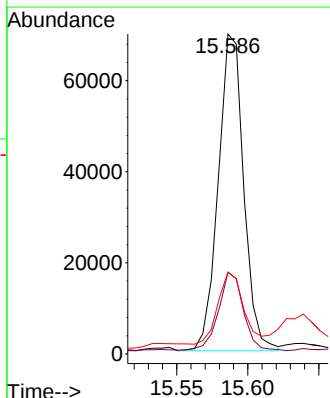
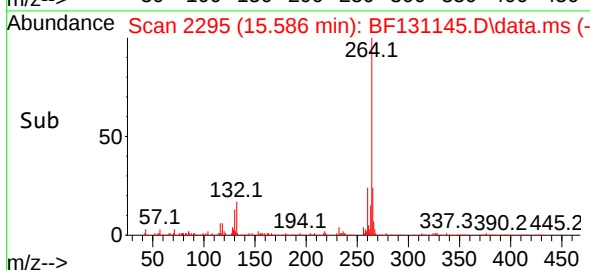
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

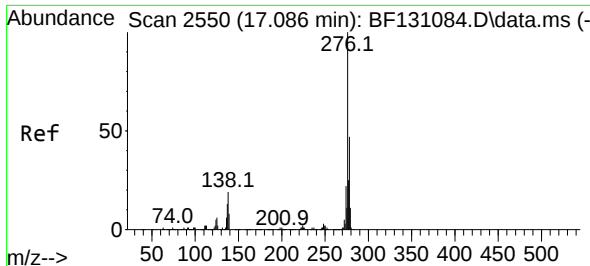


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2295
Delta R.T. 0.018 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47



Tgt Ion:264 Resp: 86945
Ion Ratio Lower Upper
264 100
260 25.5 19.1 28.7
265 25.5 16.7 25.1#





#87
Indeno(1,2,3-cd)pyrene
Concen: 22.342 ng
RT: 17.115 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

Instrument :

BNA_F

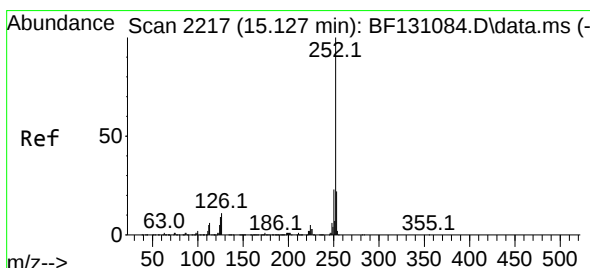
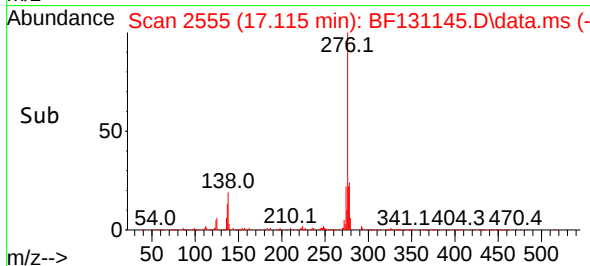
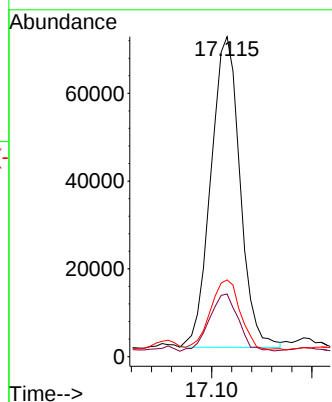
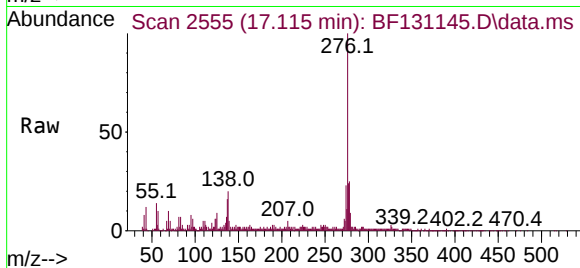
ClientSampleId :

PAT-03-110822

Tgt Ion:276 Resp: 142956
Ion Ratio Lower Upper
276 100
138 18.3 16.9 25.3
277 23.4 20.3 30.5

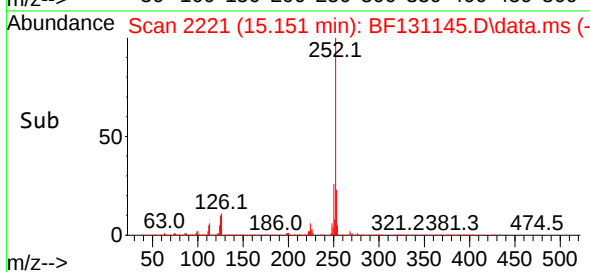
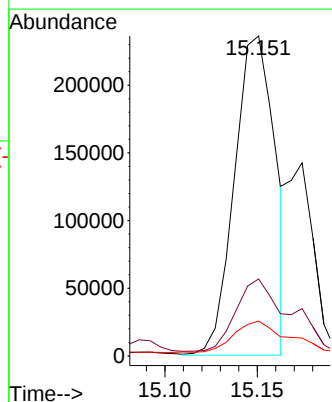
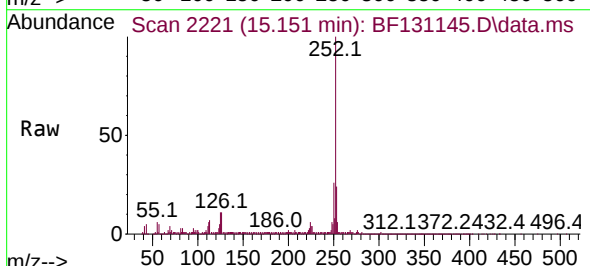
Manual Integrations
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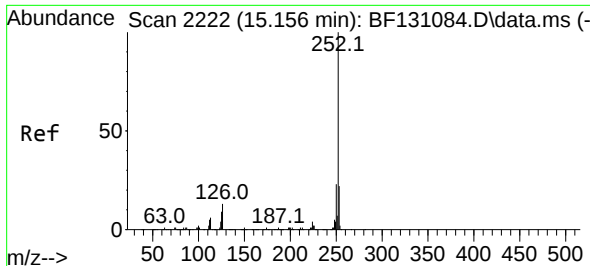
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#88
Benzo(b)fluoranthene
Concen: 58.754 ng m
RT: 15.151 min Scan# 2221
Delta R.T. 0.024 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

Tgt Ion:252 Resp: 361167
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 10.9 7.2 10.8#





#89

Benzo(k)fluoranthene

Concen: 23.600 ng m

RT: 15.174 min Scan# 2222

Delta R.T. 0.018 min

Lab File: BF131145.D

Acq: 11 Nov 2022 02:47

Instrument :

BNA_F

ClientSampleId :

PAT-03-110822

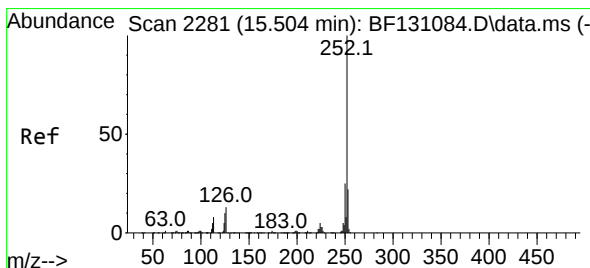
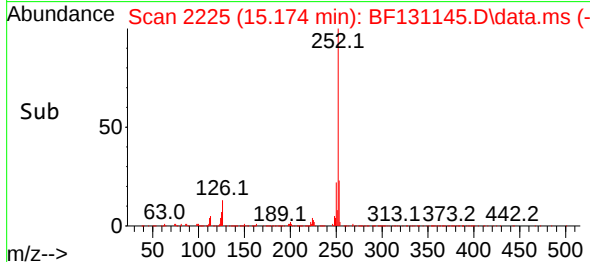
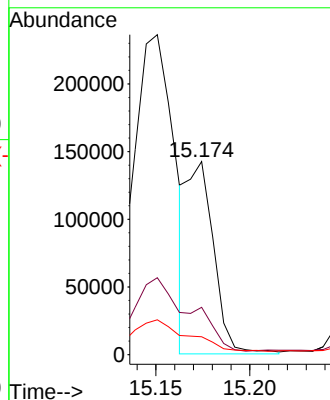
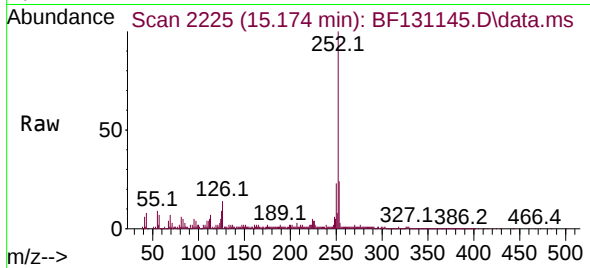
Tgt Ion:252 Resp: 139439
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.6 26.4
 125 9.2 7.5 11.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#90

Benzo(a)pyrene

Concen: 57.935 ng

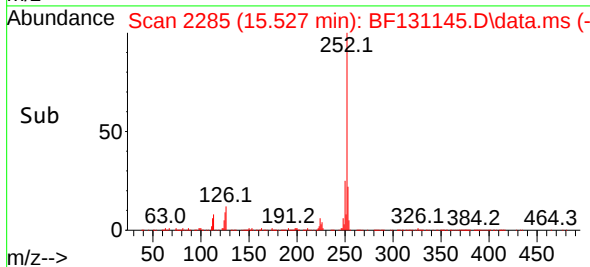
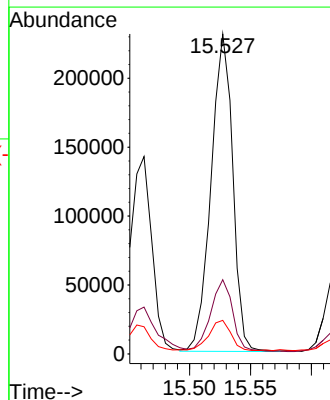
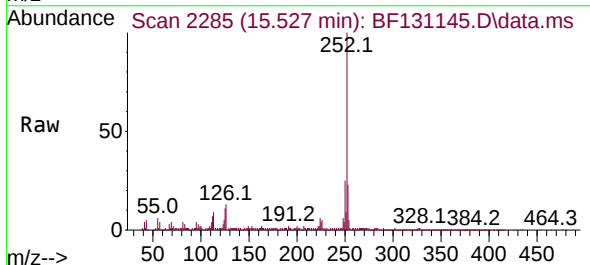
RT: 15.527 min Scan# 2285

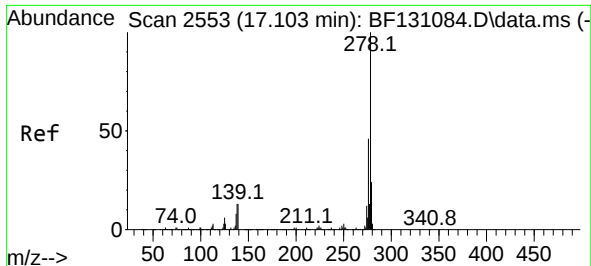
Delta R.T. 0.023 min

Lab File: BF131145.D

Acq: 11 Nov 2022 02:47

Tgt Ion:252 Resp: 285515
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.8 26.8
 125 10.5 8.1 12.1





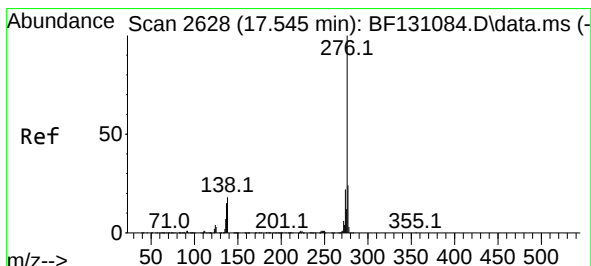
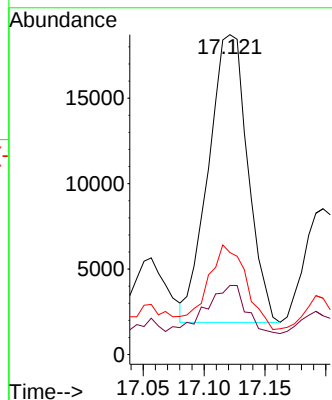
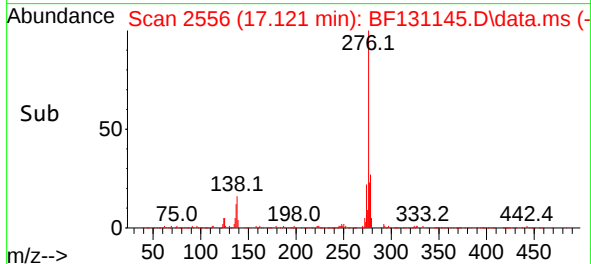
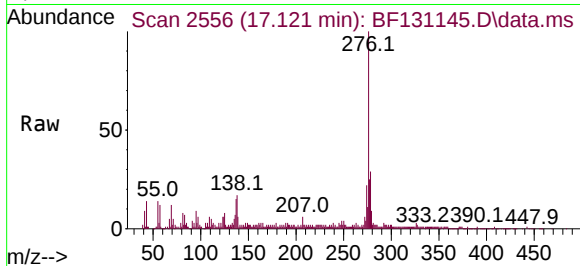
#91
Dibenzo(a,h)anthracene
Concen: 9.872 ng
RT: 17.121 min Scan# 2553
Delta R.T. 0.018 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

Instrument :
BNA_F
ClientSampleId :
PAT-03-110822

Tgt Ion:278 Resp: 37799
Ion Ratio Lower Upper
278 100
139 21.6 10.8 16.2
279 31.9 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 25.218 ng
RT: 17.580 min Scan# 2634
Delta R.T. 0.035 min
Lab File: BF131145.D
Acq: 11 Nov 2022 02:47

Tgt Ion:276 Resp: 140259
Ion Ratio Lower Upper
276 100
277 25.1 19.0 28.4
138 19.0 14.6 21.8

