

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110722\
 Data File : BF131055.D
 Acq On : 07 Nov 2022 21:44
 Operator : CG\JU
 Sample : N5453-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-6-110322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/08/2022
 Supervised By : Jagrut Upadhyay 11/08/2022

Quant Time: Nov 08 02:18:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 01:40:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	92454	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	337030	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	143932	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	209148	20.000	ng	0.00
76) Chrysene-d12	14.092	240	186031	20.000	ng	0.00
86) Perylene-d12	15.592	264	138044	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	717157	125.080	ng	0.00
7) Phenol-d6	6.528	99	909896	130.019	ng	0.00
23) Nitrobenzene-d5	7.469	82	575720	79.181	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	149225	94.169	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	898406	85.066	ng	0.00
79) Terphenyl-d14	13.033	244	679418	58.554	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.204	128	62395	3.387	ng	98
37) 2-Methylnaphthalene	8.898	142	25018	2.135	ng	97
52) Acenaphthene	9.975	154	46034	5.383	ng	98
55) Dibenzofuran	10.151	168	61644	2.223	ng	98
58) Fluorene	10.492	166	59363	5.740	ng	96
71) Phenanthrene	11.463	178	579616	49.201	ng	99
72) Anthracene	11.510	178	99889	8.638	ng	99
73) Carbazole	11.669	167	87319	8.826	ng	99
75) Fluoranthene	12.663	202	799532	63.939	ng	98
78) Pyrene	12.898	202	773488	45.654	ng	99
81) Benzo(a)anthracene	14.080	228	529745	39.218	ng	98
83) Chrysene	14.121	228	536359m	41.813	ng	
87) Indeno(1,2,3-cd)pyrene	17.109	276	128973	13.697	ng	96
88) Benzo(b)fluoranthene	15.157	252	509811m	50.820	ng	
89) Benzo(k)fluoranthene	15.180	252	188401m	19.276	ng	
90) Benzo(a)pyrene	15.533	252	301760	37.836	ng	97
91) Dibenzo(a,h)anthracene	17.121	278	34270	6.668	ng	# 86
92) Benzo(g,h,i)perylene	17.574	276	119801	14.899	ng	97

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

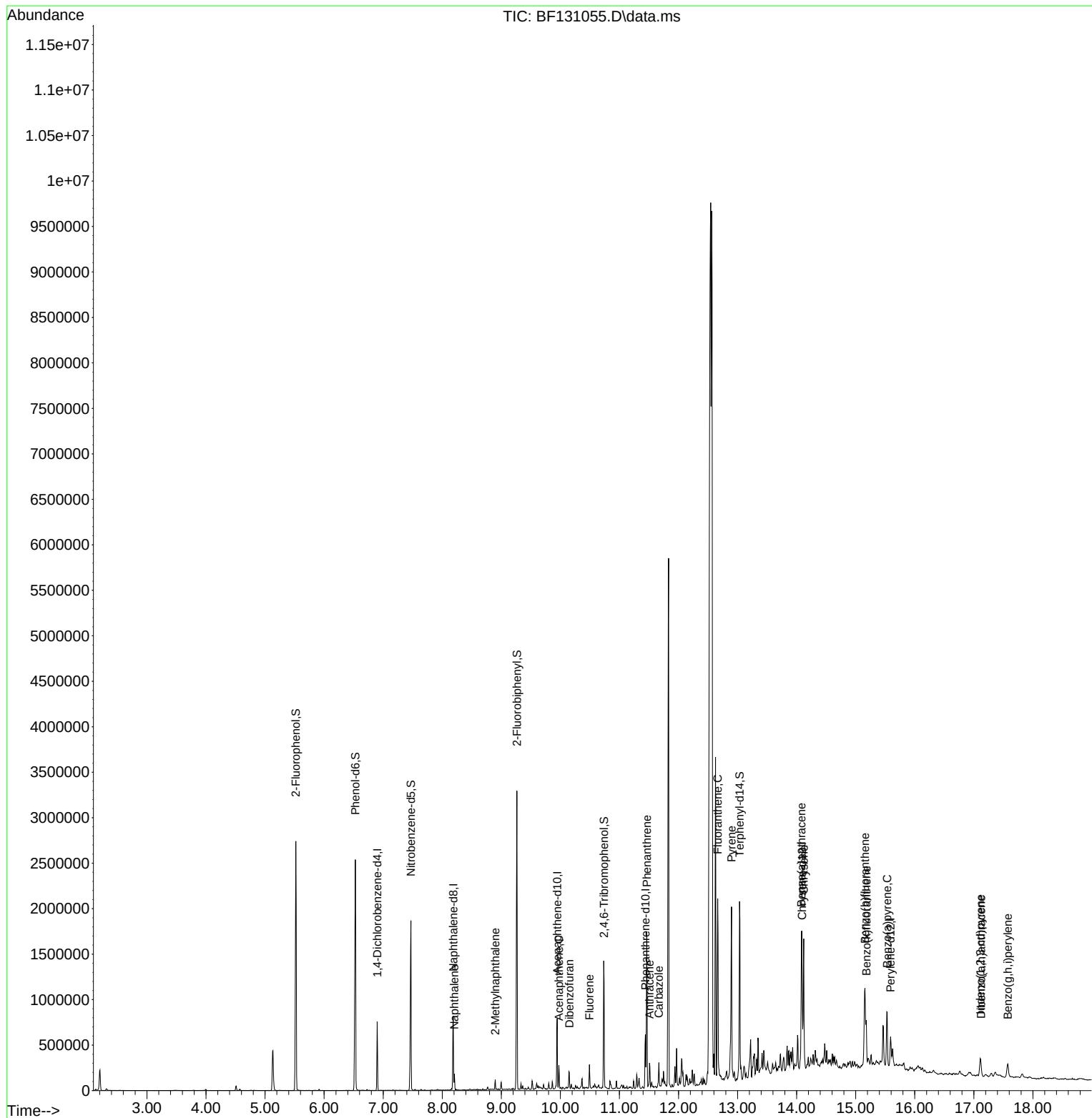
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110722\
Data File : BF131055.D
Acq On : 07 Nov 2022 21:44
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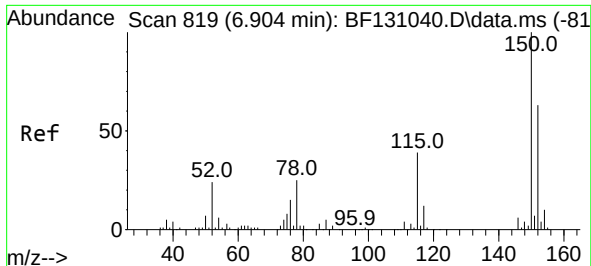
Instrument :
BNA_F
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TR-6-110322

Quant Time: Nov 08 02:18:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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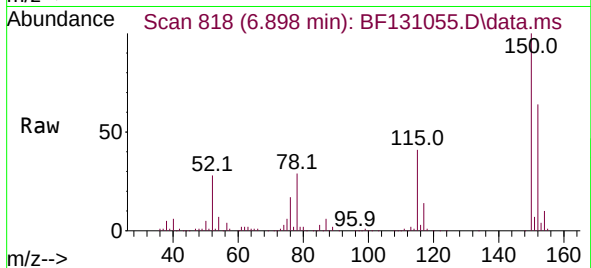
Reviewed By : Christian Giraldo 11/08/2022
Supervised By : Jagrut Upadhyay 11/08/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131055.D
 Acq: 07 Nov 2022 21:44

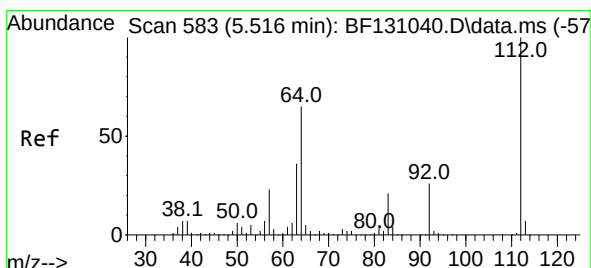
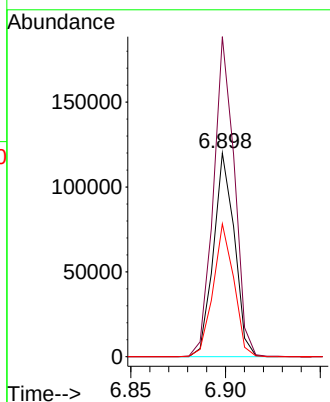
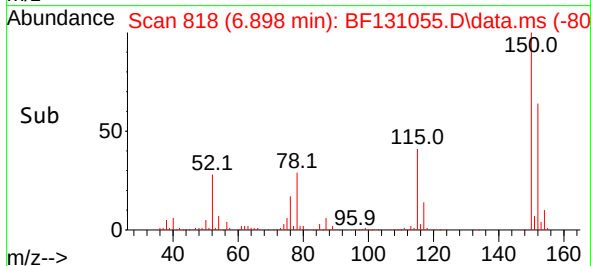
Instrument :
 BNA_F
 ClientSampleId :
 TR-6-110322



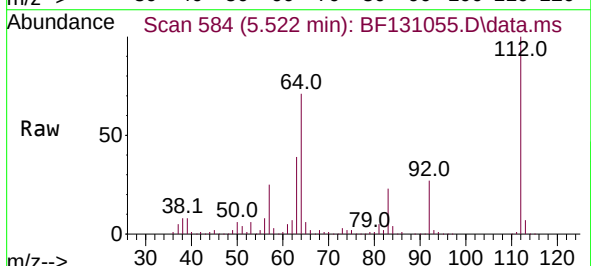
Tgt Ion:152 Resp: 92454
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.6 189.8
 115 65.2 49.1 73.7

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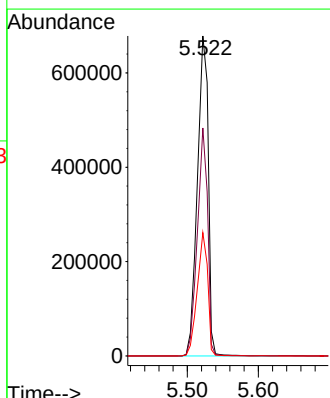
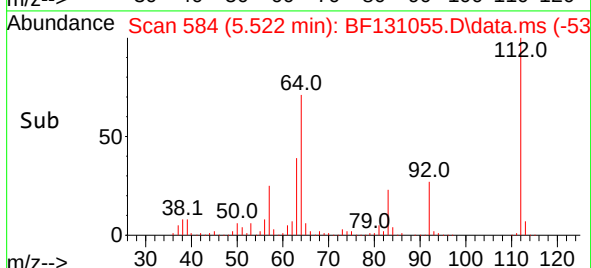
Reviewed By :Christian Giraldo 11/08/2022
 Supervised By :Jagrut Upadhyay 11/08/2022

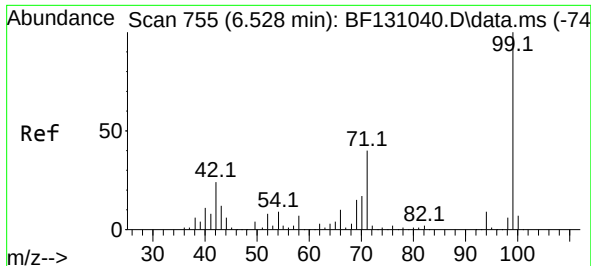


#5
 2-Fluorophenol
 Concen: 125.080 ng
 RT: 5.522 min Scan# 584
 Delta R.T. 0.006 min
 Lab File: BF131055.D
 Acq: 07 Nov 2022 21:44



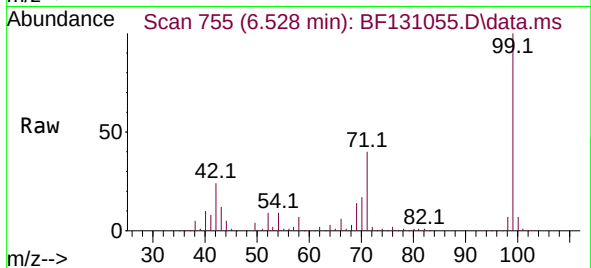
Tgt Ion:112 Resp: 717157
 Ion Ratio Lower Upper
 112 100
 64 71.2 52.2 78.4
 63 38.5 29.0 43.4





#7
Phenol-d6
Concen: 130.019 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

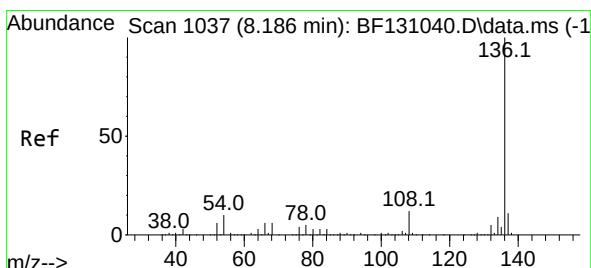
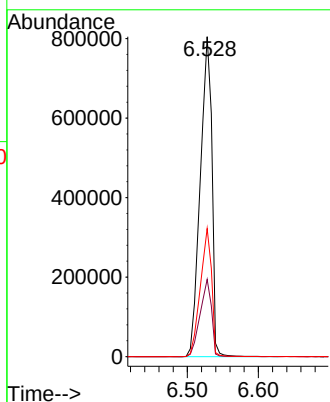
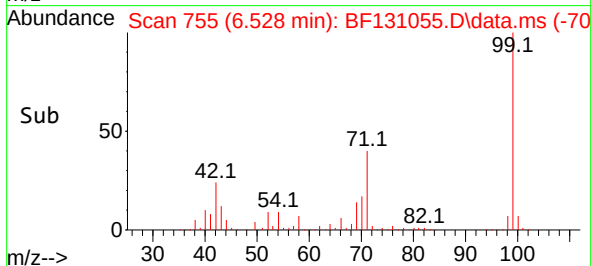
Instrument :
BNA_F
ClientSampleId :
TR-6-110322



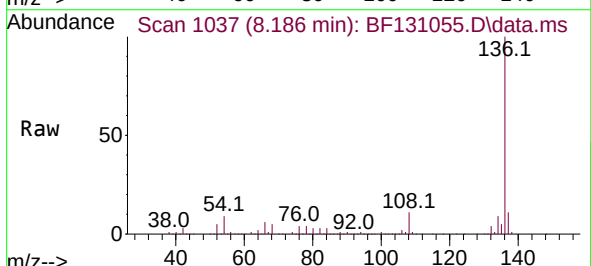
Tgt Ion: 99 Resp: 909896
Ion Ratio Lower Upper
99 100
42 24.2 19.4 29.0
71 40.1 31.8 47.8

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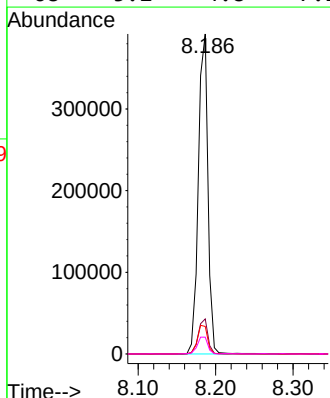
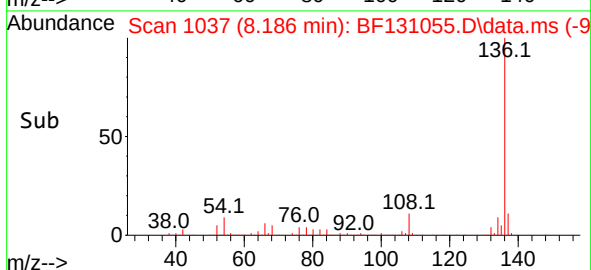
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022

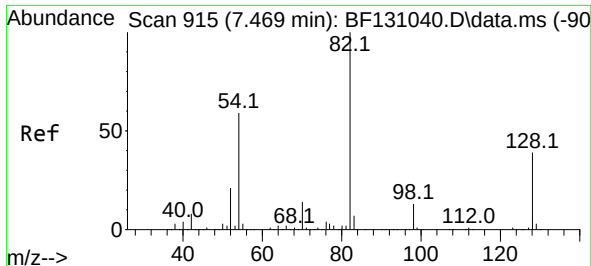


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44



Tgt Ion:136 Resp: 337030
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.6 8.2 12.2
68 5.2 4.8 7.2





#23

Nitrobenzene-d5

Concen: 79.181 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.000 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

Tgt Ion: 82 Resp: 575720

Ion Ratio Lower Upper

82 100

128 40.1 31.3 46.9

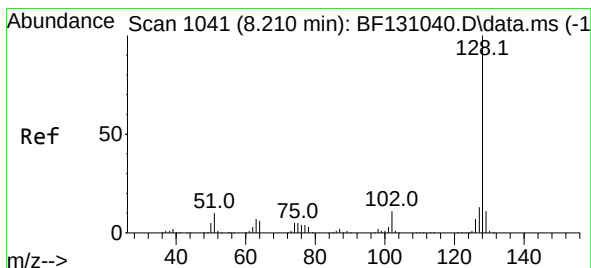
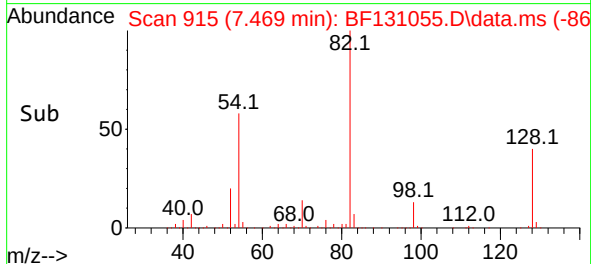
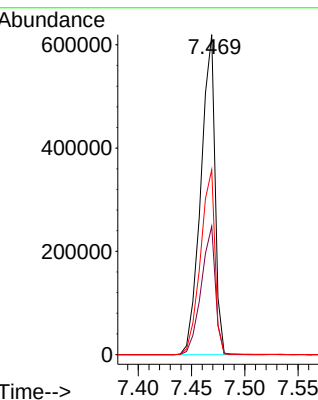
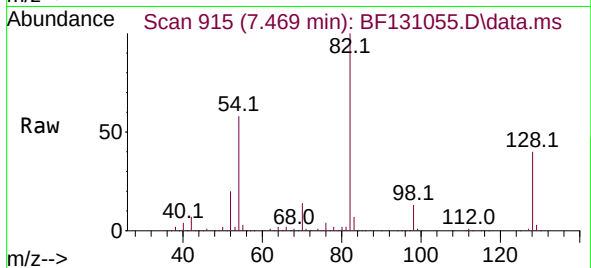
54 57.8 47.2 70.8

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#31

Naphthalene

Concen: 3.387 ng

RT: 8.204 min Scan# 1040

Delta R.T. -0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

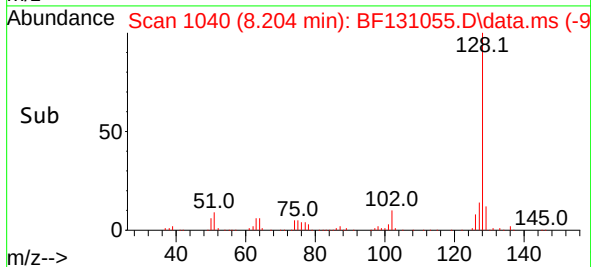
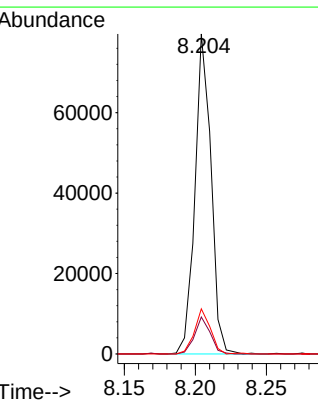
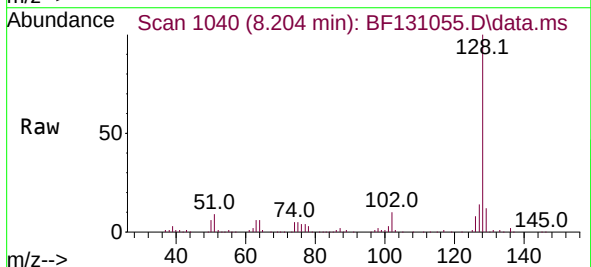
Tgt Ion:128 Resp: 62395

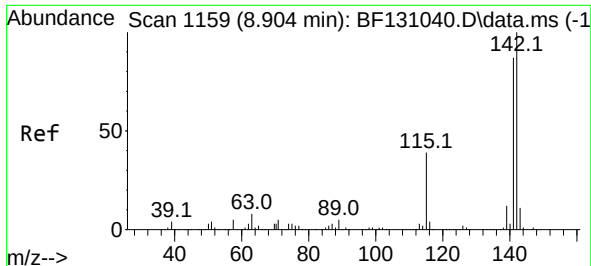
Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.4

127 14.1 10.5 15.7





#37

2-Methylnaphthalene

Concen: 2.135 ng

RT: 8.898 min Scan# 1158

Delta R.T. -0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

Tgt Ion:142 Resp: 25018

Ion Ratio Lower Upper

142 100

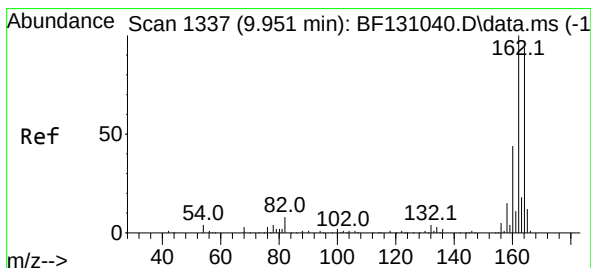
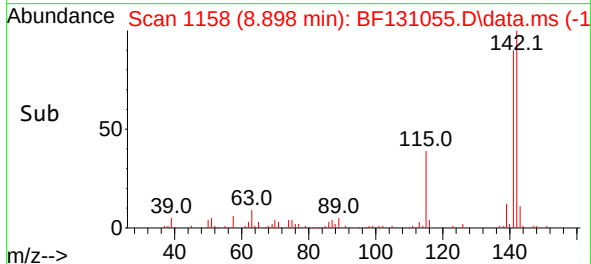
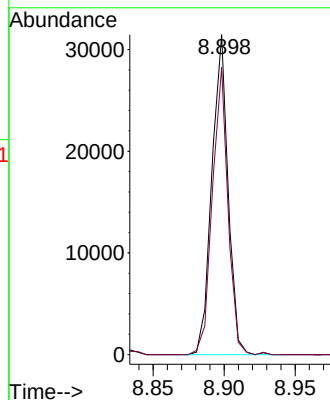
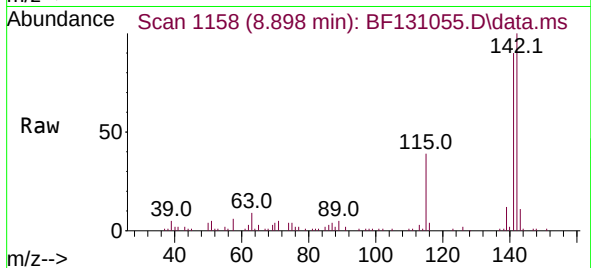
141 89.7 69.8 104.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

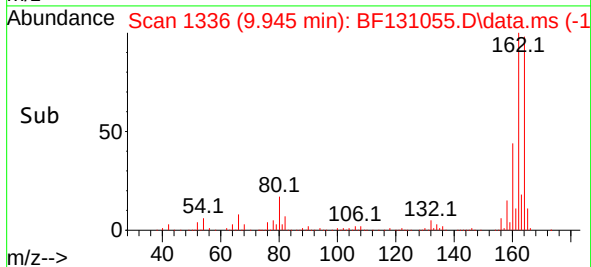
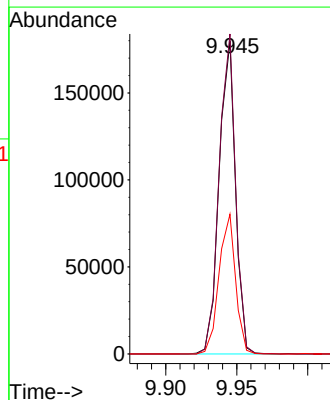
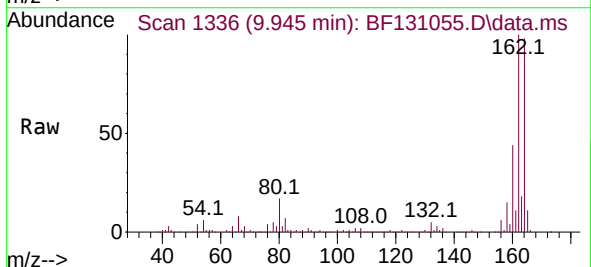
Tgt Ion:164 Resp: 143932

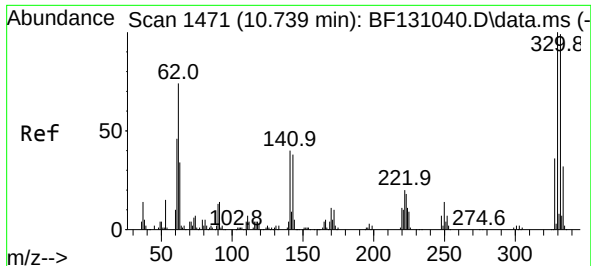
Ion Ratio Lower Upper

164 100

162 102.3 85.0 127.6

160 44.6 37.0 55.6





#42
2,4,6-Tribromophenol
Concen: 94.169 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

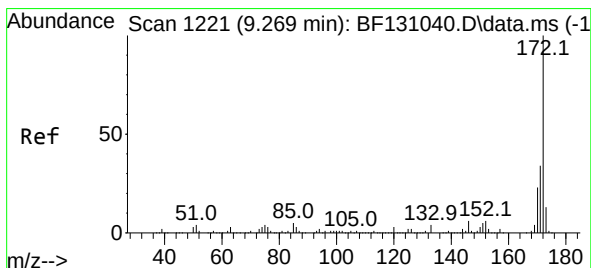
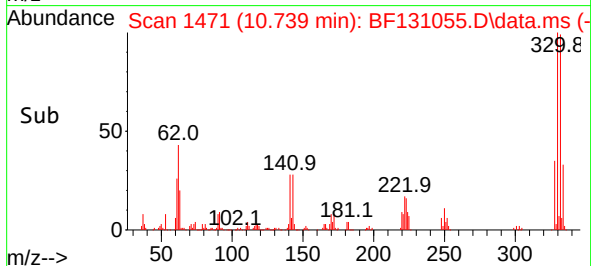
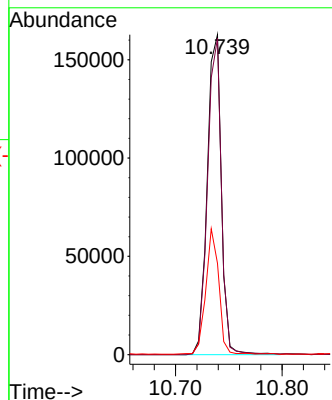
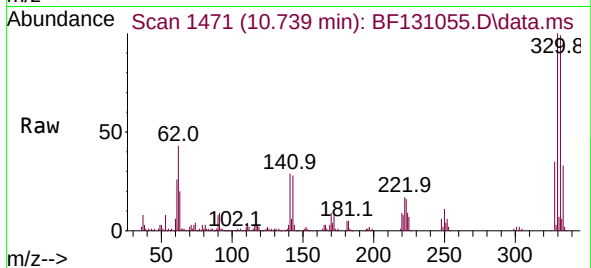
TR-6-110322

Tgt Ion: 330 Resp: 149225
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 36.1 28.3 42.5

Manual Integrations

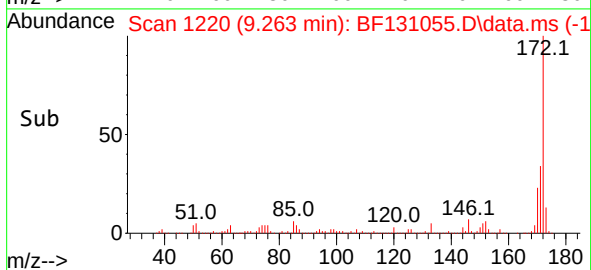
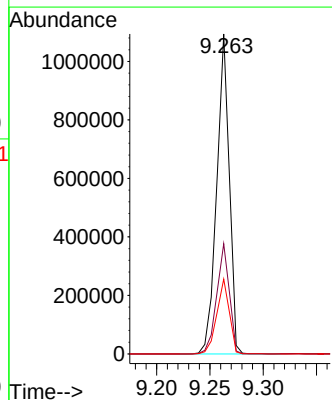
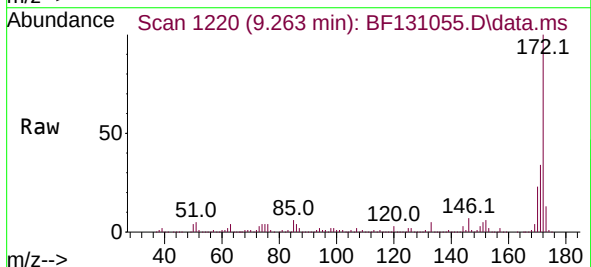
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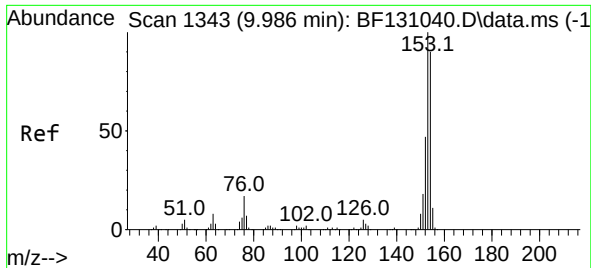
Reviewed By : Christian Giraldo 11/08/2022
Supervised By : Jagrut Upadhyay 11/08/2022



#45
2-Fluorobiphenyl
Concen: 85.066 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion: 172 Resp: 898406
Ion Ratio Lower Upper
172 100
171 34.4 27.7 41.5
170 23.4 18.4 27.6





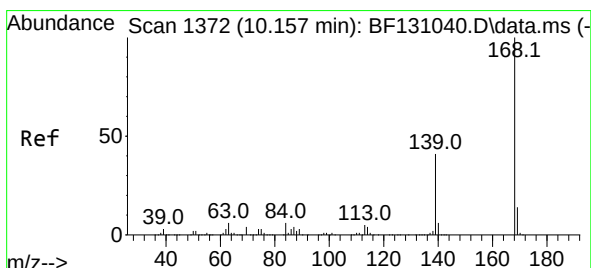
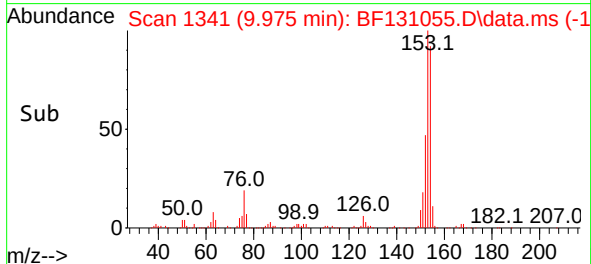
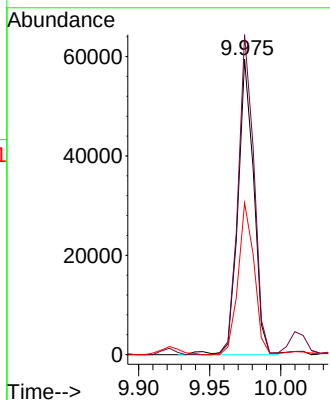
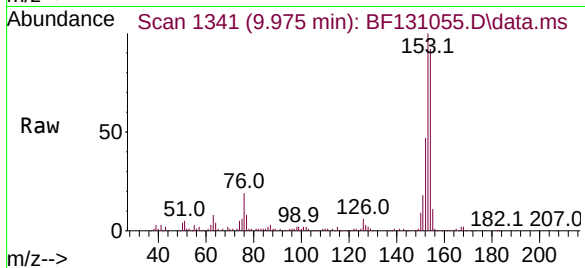
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Acenaphthene
Concen: 5.383 ng
RT: 9.975 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Instrument :
BNA_F
ClientSampleId :
TR-6-110322

Tgt Ion:154 Resp: 46034
Ion Ratio Lower Upper
154 100
153 108.4 89.0 133.6
152 51.4 42.1 63.1

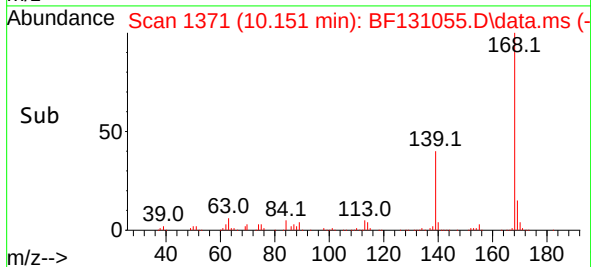
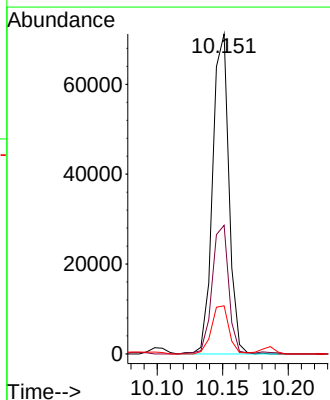
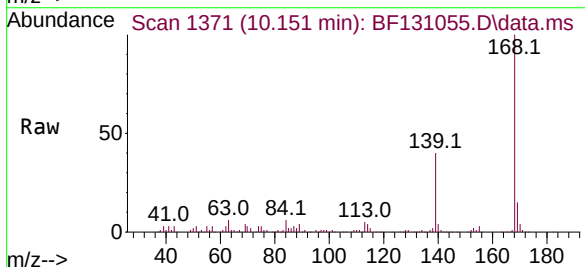
Manual Integrations
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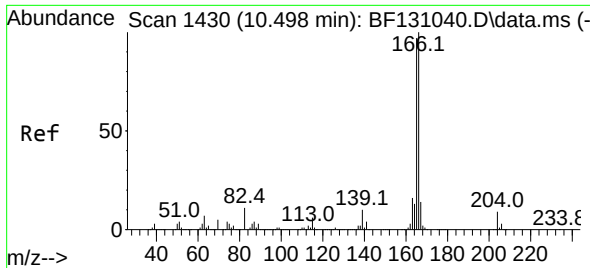
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022



#55
Dibenzofuran
Concen: 2.223 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:168 Resp: 61644
Ion Ratio Lower Upper
168 100
139 40.2 33.0 49.6
169 15.0 11.3 16.9





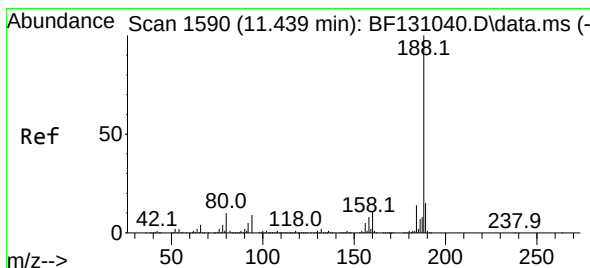
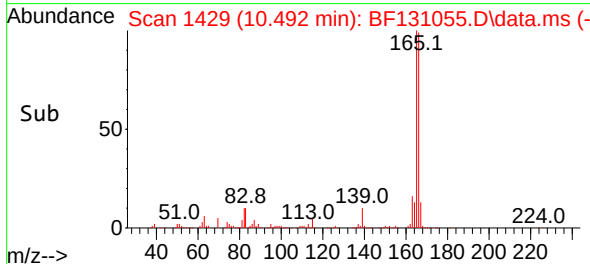
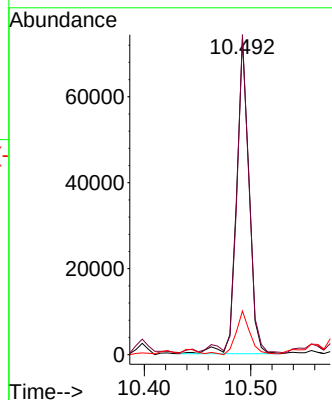
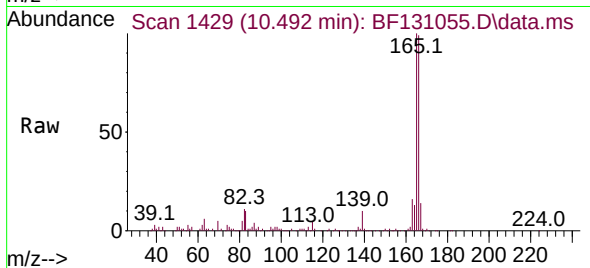
#58
Fluorene
Concen: 5.740 ng
RT: 10.492 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Instrument :
BNA_F
ClientSampleId :
TR-6-110322

Tgt Ion:166 Resp: 59363
Ion Ratio Lower Upper
166 100
165 101.4 77.2 115.8
167 13.8 10.8 16.2

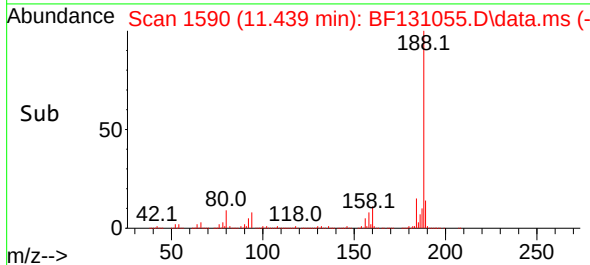
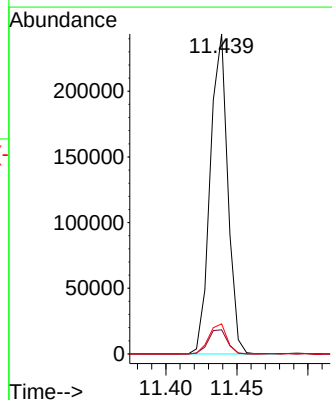
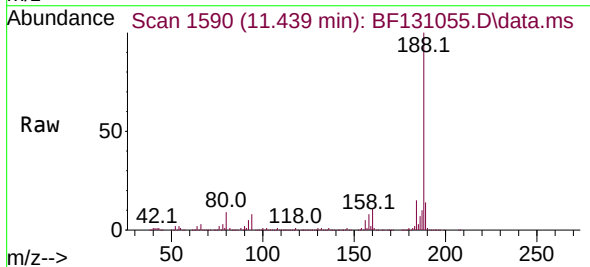
Manual Integrations
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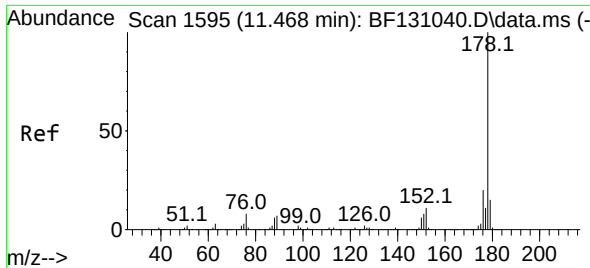
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

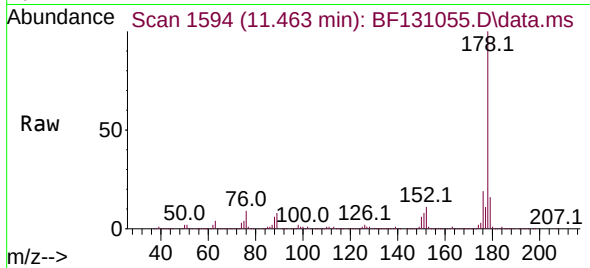
Tgt Ion:188 Resp: 209148
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 9.4 8.1 12.1





#71
Phenanthrene
Concen: 49.201 ng
RT: 11.463 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

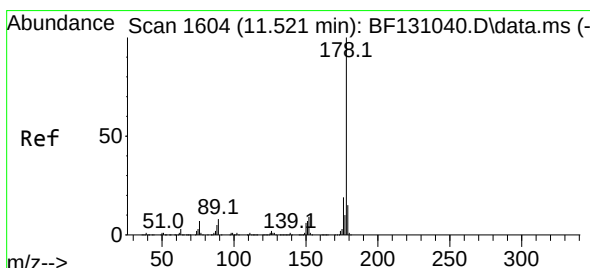
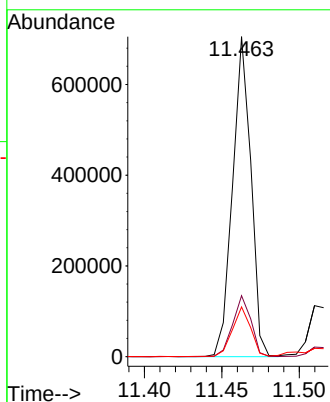
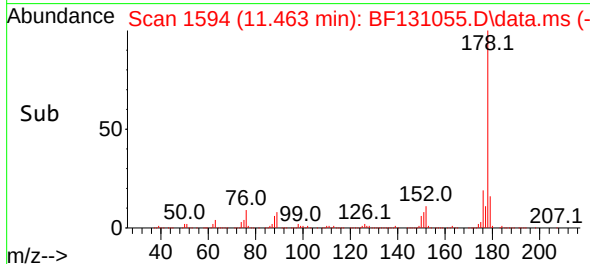
Instrument :
BNA_F
ClientSampleId :
TR-6-110322



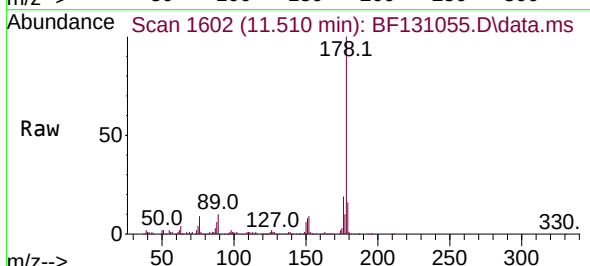
Tgt Ion:178 Resp: 579616
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.5 12.3 18.5

Manual Integrations
APPROVED

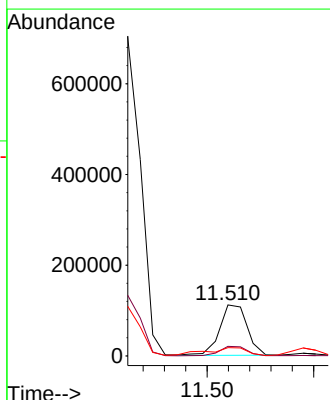
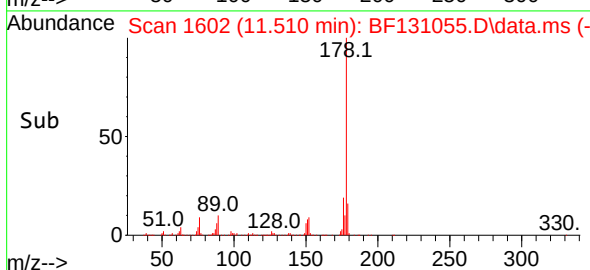
Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022

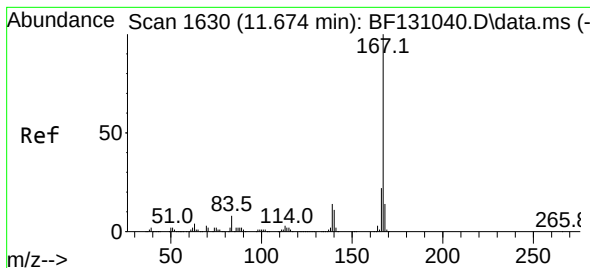


#72
Anthracene
Concen: 8.638 ng
RT: 11.510 min Scan# 1602
Delta R.T. -0.012 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44



Tgt Ion:178 Resp: 99889
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 16.1 12.4 18.6





#73

Carbazole

Concen: 8.826 ng

RT: 11.669 min Scan# 1629

Delta R.T. -0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

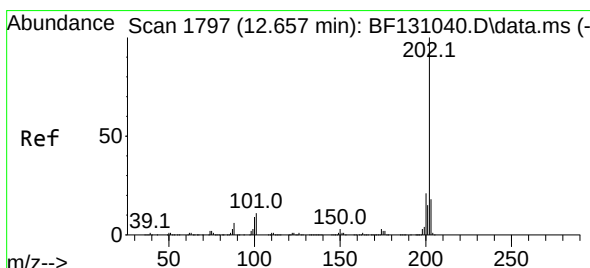
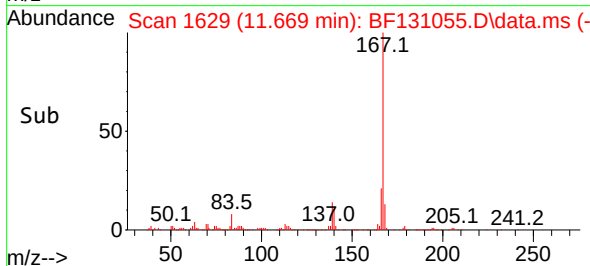
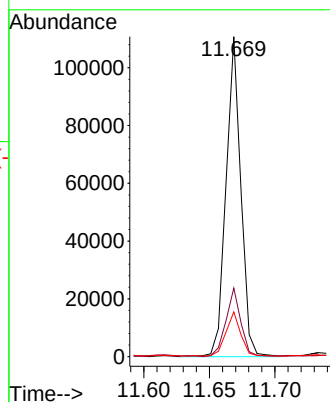
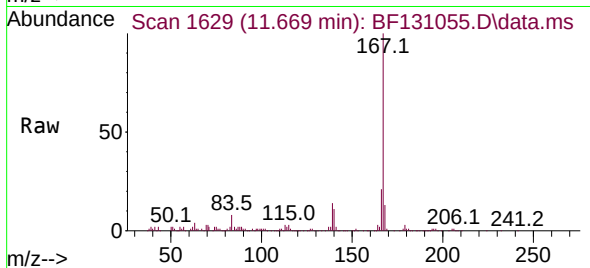
Tgt Ion:167	Resp:	87319
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.4 26.2
139	14.0	11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/08/2022

Supervised By :Jagrut Upadhyay 11/08/2022



#75

Fluoranthene

Concen: 63.939 ng

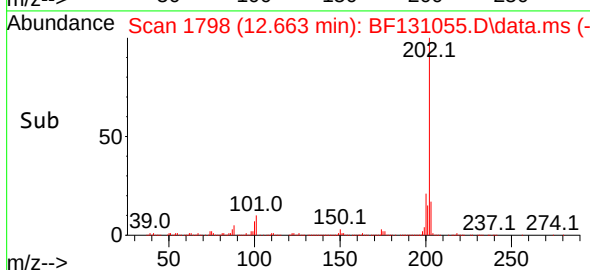
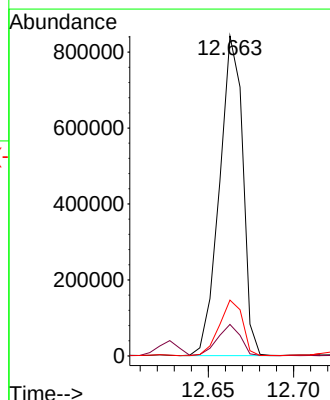
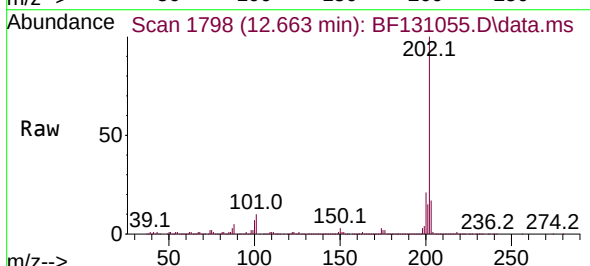
RT: 12.663 min Scan# 1798

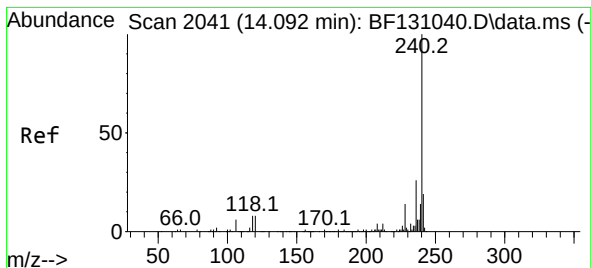
Delta R.T. 0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Tgt Ion:202	Resp:	799532
Ion Ratio	Lower	Upper
202	100	
101	9.8	0.0 30.9
203	17.4	0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2041

Delta R.T. 0.000 min

Lab File: BF131055.D

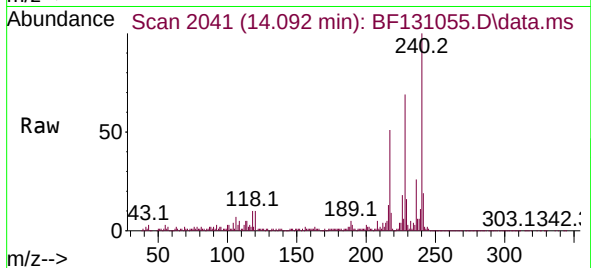
Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322



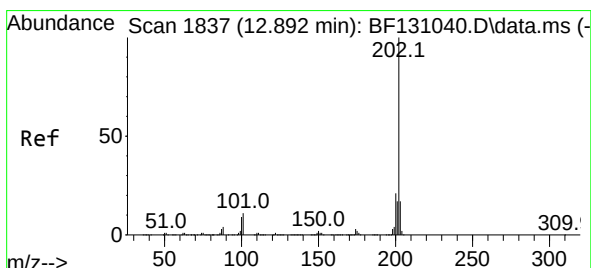
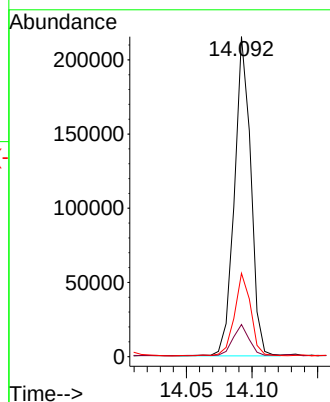
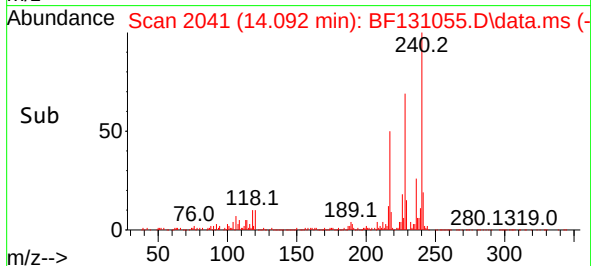
Tgt Ion:	240	Resp:	186031
Ion Ratio	Lower	Upper	
240	100		
120	10.0	6.7	10.1
236	26.0	20.8	31.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/08/2022

Supervised By :Jagrut Upadhyay 11/08/2022



#78

Pyrene

Concen: 45.654 ng

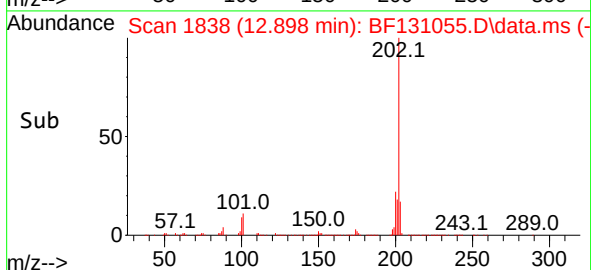
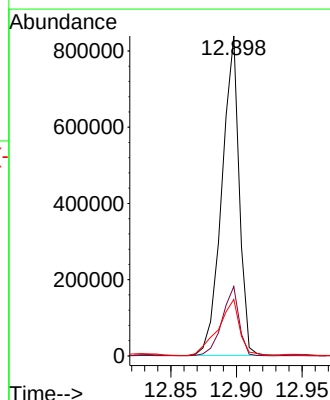
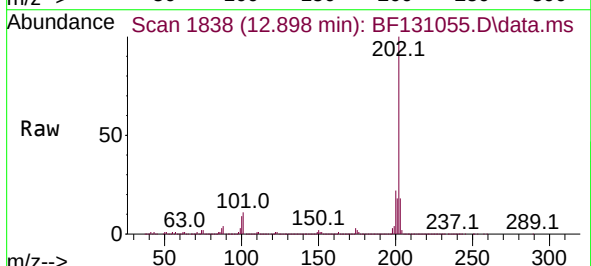
RT: 12.898 min Scan# 1838

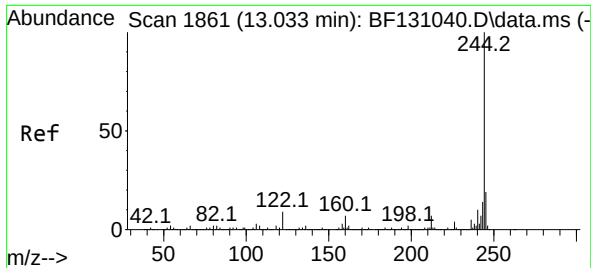
Delta R.T. 0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

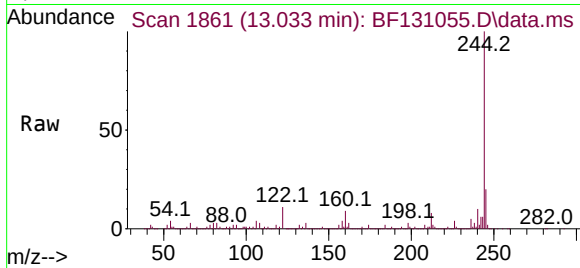
Tgt Ion:	202	Resp:	773488
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.0	25.4
203	17.6	13.8	20.8





#79
 Terphenyl-d14
 Concen: 58.554 ng
 RT: 13.033 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: BF131055.D
 Acq: 07 Nov 2022 21:44

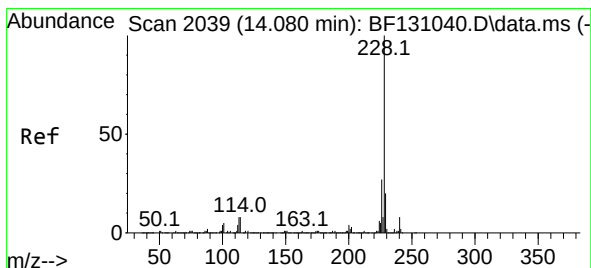
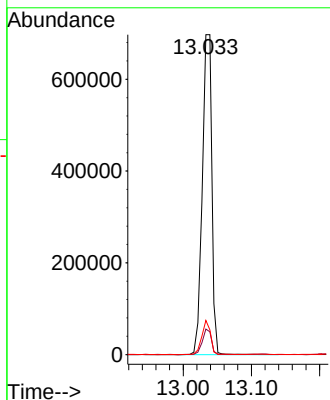
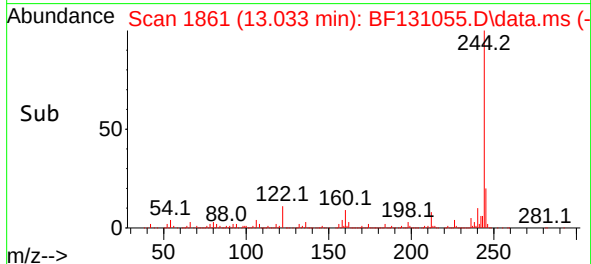
Instrument :
 BNA_F
 ClientSampleId :
 TR-6-110322



Tgt Ion:244 Resp: 679418
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.6
 122 10.7 7.0 10.4

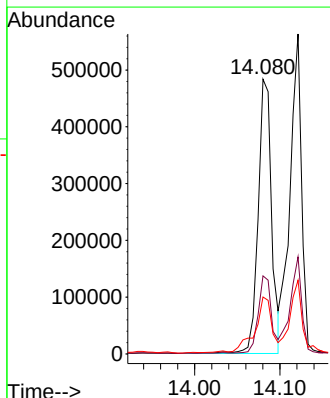
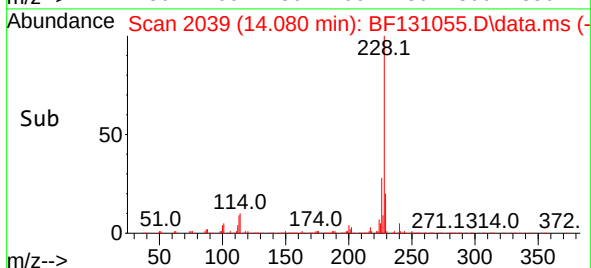
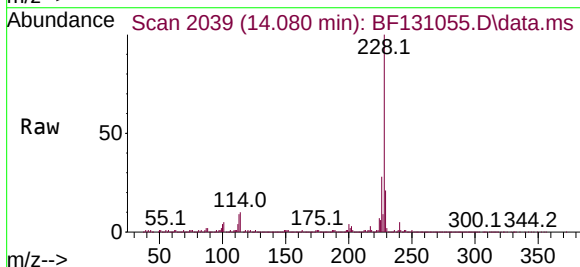
Manual Integrations
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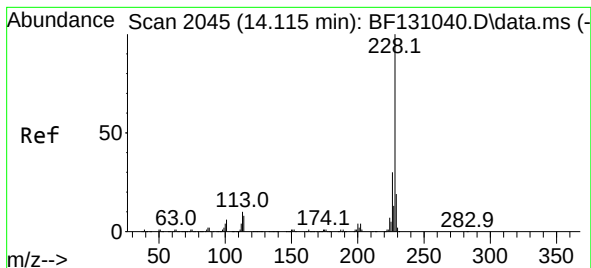
Reviewed By :Christian Giraldo 11/08/2022
 Supervised By :Jagrut Upadhyay 11/08/2022



#81
 Benzo(a)anthracene
 Concen: 39.218 ng
 RT: 14.080 min Scan# 2039
 Delta R.T. 0.000 min
 Lab File: BF131055.D
 Acq: 07 Nov 2022 21:44

Tgt Ion:228 Resp: 529745
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.8 32.8
 229 20.7 15.8 23.6





#83

Chrysene

Concen: 41.813 ng m

RT: 14.121 min Scan# 2045

Delta R.T. 0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

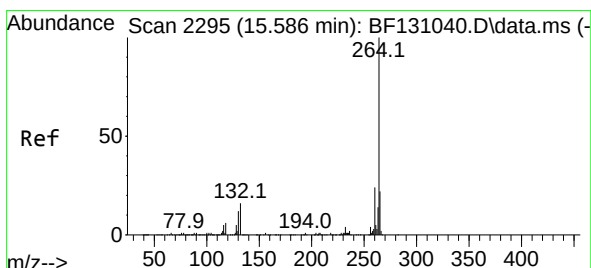
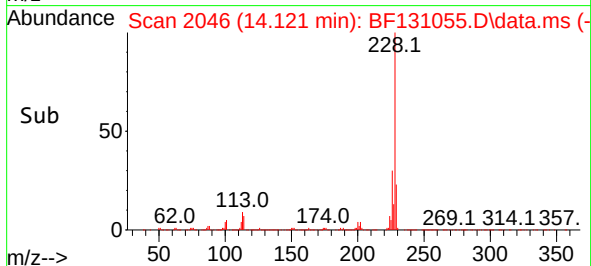
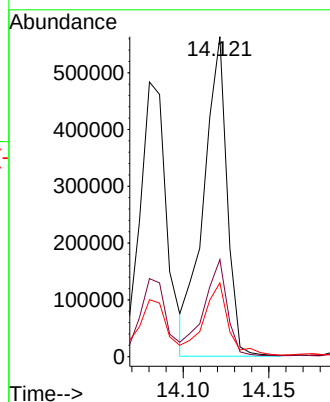
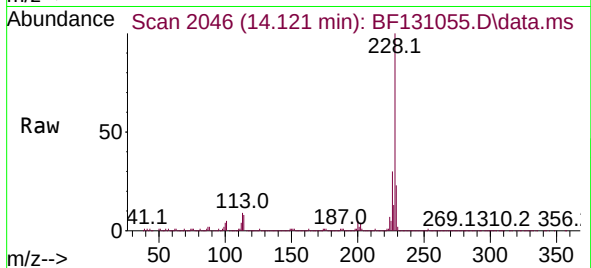
TR-6-110322

Tgt Ion:228 Resp: 536359
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.7 35.5
 229 23.0 15.4 23.0

Manual Integrations

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Reviewed By :Christian Giraldo 11/08/2022
 Supervised By :Jagrut Upadhyay 11/08/2022



#86

Perylene-d12

Concen: 20.000 ng

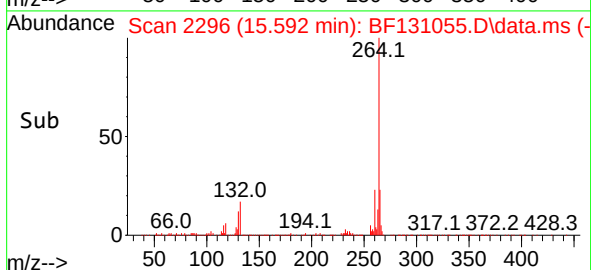
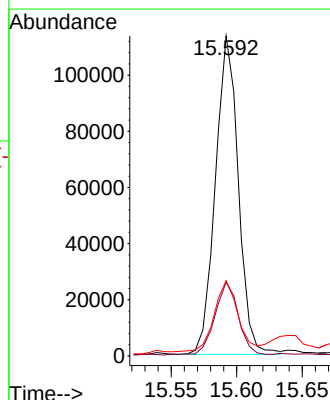
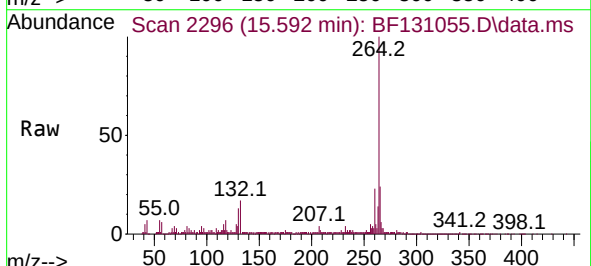
RT: 15.592 min Scan# 2296

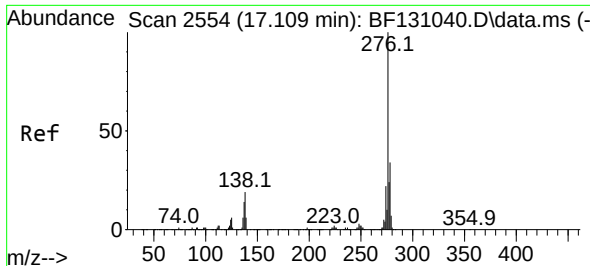
Delta R.T. 0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Tgt Ion:264 Resp: 138044
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.8 28.2
 265 23.5 17.3 25.9





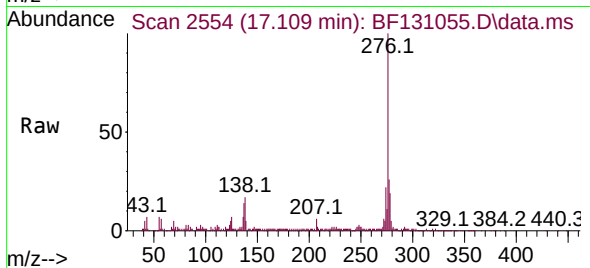
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.697 ng
 RT: 17.109 min Scan# 2554
 Delta R.T. 0.000 min
 Lab File: BF131055.D
 Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

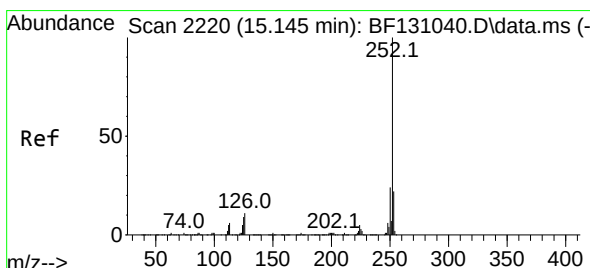
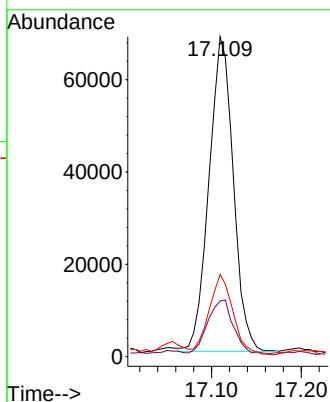
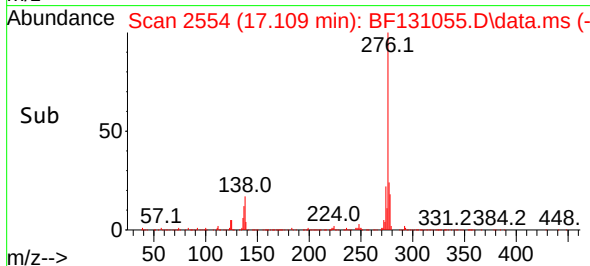


Tgt Ion:276 Resp: 128973
 Ion Ratio Lower Upper
 276 100
 138 18.9 17.3 25.9
 277 24.3 20.2 30.4

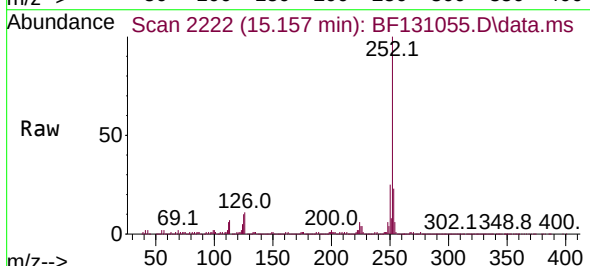
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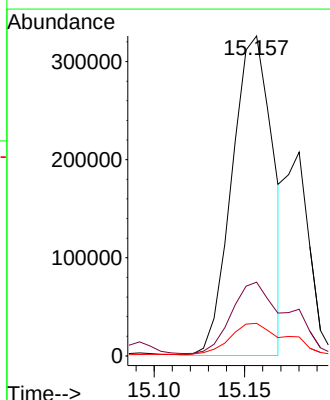
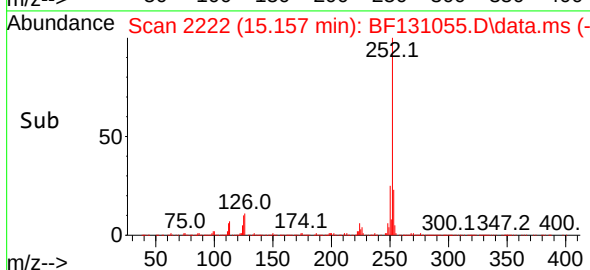
Reviewed By :Christian Giraldo 11/08/2022
 Supervised By :Jagrut Upadhyay 11/08/2022

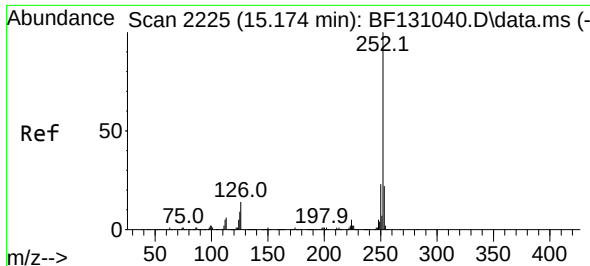


#88
 Benzo(b)fluoranthene
 Concen: 50.820 ng m
 RT: 15.157 min Scan# 2222
 Delta R.T. 0.012 min
 Lab File: BF131055.D
 Acq: 07 Nov 2022 21:44



Tgt Ion:252 Resp: 509811
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.9 26.9
 125 10.2 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 19.276 ng m

RT: 15.180 min Scan# 2225

Delta R.T. 0.006 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

Instrument :

BNA_F

ClientSampleId :

TR-6-110322

Tgt Ion:252 Resp: 18840

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

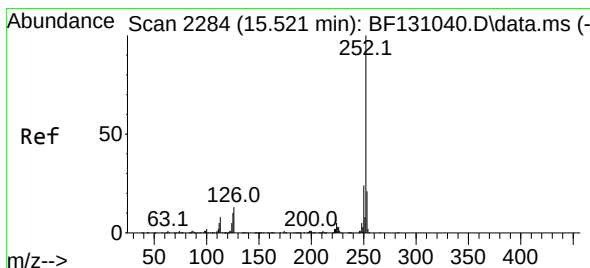
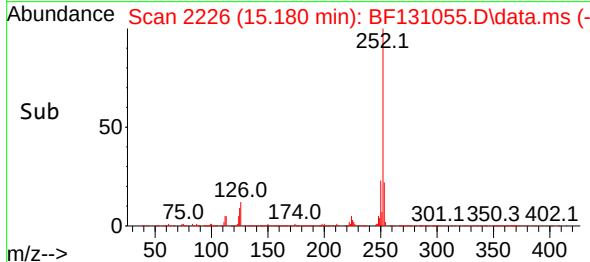
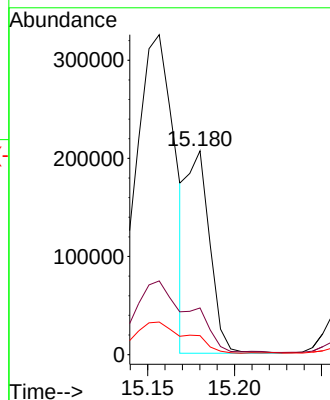
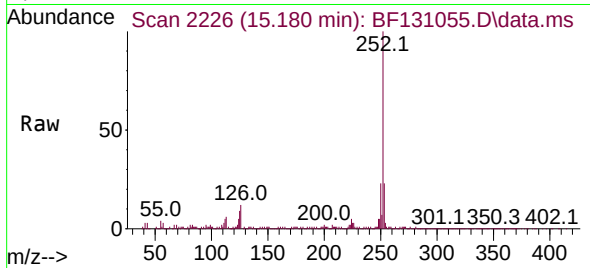
125 9.3 7.2 10.8

Manual Integrations

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Reviewed By :Christian Giraldo 11/08/2022

Supervised By :Jagrut Upadhyay 11/08/2022



#90

Benzo(a)pyrene

Concen: 37.836 ng

RT: 15.533 min Scan# 2286

Delta R.T. 0.012 min

Lab File: BF131055.D

Acq: 07 Nov 2022 21:44

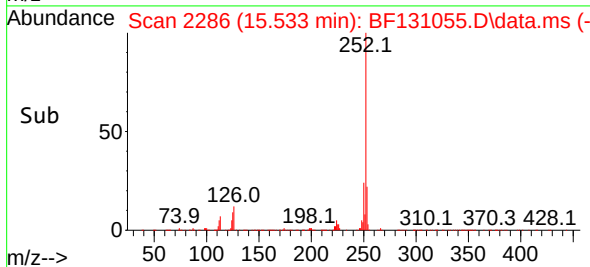
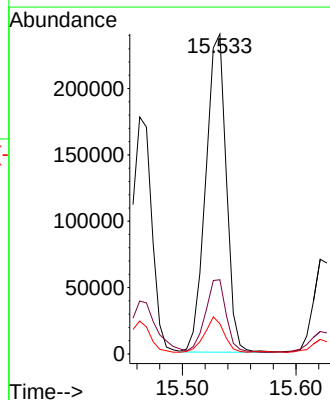
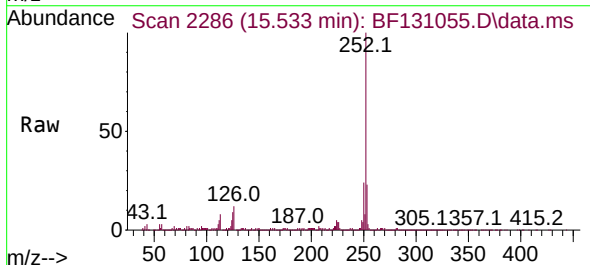
Tgt Ion:252 Resp: 301760

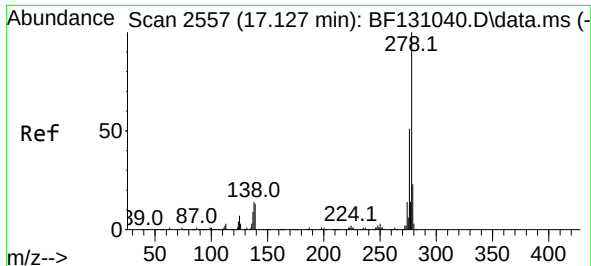
Ion Ratio Lower Upper

252 100

253 23.2 16.9 25.3

125 9.4 7.9 11.9





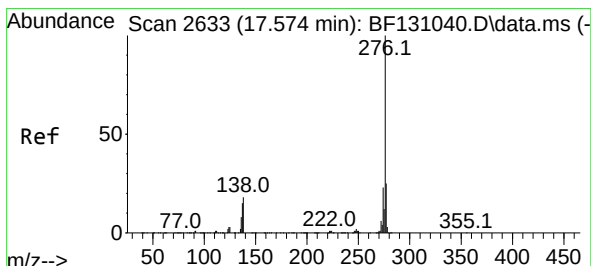
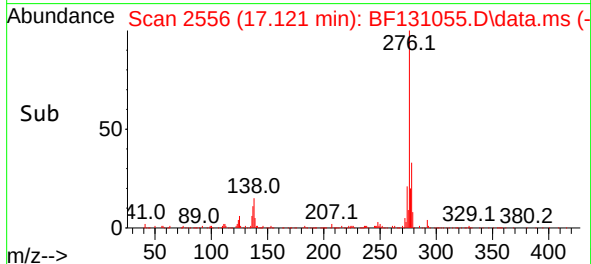
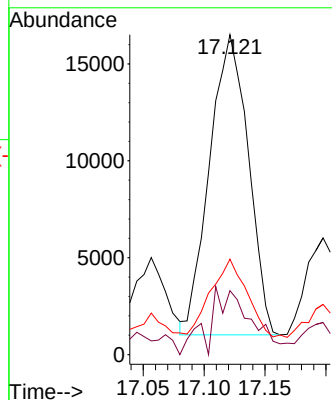
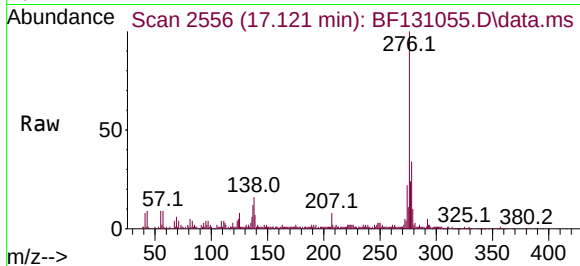
#91
Dibenzo(a,h)anthracene
Concen: 6.668 ng
RT: 17.121 min Scan# 2557
Delta R.T. -0.006 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Instrument :
BNA_F
ClientSampleId :
TR-6-110322

Tgt Ion:278 Resp: 34270
Ion Ratio Lower Upper
278 100
139 20.0 10.8 16.2
279 29.8 18.7 28.1

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/08/2022
Supervised By :Jagrut Upadhyay 11/08/2022



#92
Benzo(g,h,i)perylene
Concen: 14.899 ng
RT: 17.574 min Scan# 2633
Delta R.T. 0.000 min
Lab File: BF131055.D
Acq: 07 Nov 2022 21:44

Tgt Ion:276 Resp: 119801
Ion Ratio Lower Upper
276 100
277 24.3 20.0 30.0
138 21.2 14.8 22.2

