

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121322\
 Data File : BF131626.D
 Acq On : 13 Dec 2022 22:31
 Operator : CG\JU
 Sample : N5985-01DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-120922DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/14/2022
 Supervised By :mohammad ahmed 12/14/2022

Quant Time: Dec 14 03:36:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 14 03:22:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	60724	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	219464	20.000	ng	# 0.00
39) Acenaphthene-d10	9.933	164	122851	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	216766	20.000	ng	0.00
76) Chrysene-d12	14.086	240	138917	20.000	ng	# 0.00
86) Perylene-d12	15.592	264	145655	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	43869	12.052	ng	-0.01
7) Phenol-d6	6.504	99	58701	12.307	ng	-0.02
23) Nitrobenzene-d5	7.445	82	39770	6.851	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	11589	8.491	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	64447	6.614	ng	-0.01
79) Terphenyl-d14	13.021	244	56031	5.531	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	310289	25.102	ng	99
37) 2-Methylnaphthalene	8.886	142	75359	8.915	ng	100
38) 1-Methylnaphthalene	8.986	142	42090	5.187	ng	95
52) Acenaphthene	9.969	154	71422m	9.175	ng	
55) Dibenzofuran	10.139	168	105978	9.635	ng	95
58) Fluorene	10.486	166	131017	14.653	ng	97
71) Phenanthrene	11.457	178	741081	61.336	ng	99
72) Anthracene	11.504	178	239676	20.389	ng	98
73) Carbazole	11.663	167	57924	6.037	ng	97
75) Fluoranthene	12.651	202	704501	56.625	ng	98
78) Pyrene	12.886	202	607884	44.378	ng	98
81) Benzo(a)anthracene	14.074	228	287573	28.665	ng	98
83) Chrysene	14.110	228	215158	22.559	ng	98
87) Indeno(1,2,3-cd)pyrene	17.109	276	103937	8.744	ng	96
88) Benzo(b)fluoranthene	15.151	252	291424m	30.357	ng	
89) Benzo(k)fluoranthene	15.174	252	82202m	8.204	ng	
90) Benzo(a)pyrene	15.527	252	223464	27.276	ng	98
91) Dibenzo(a,h)anthracene	17.121	278	27388m	2.799	ng	
92) Benzo(g,h,i)perylene	17.574	276	93359	9.495	ng	98

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

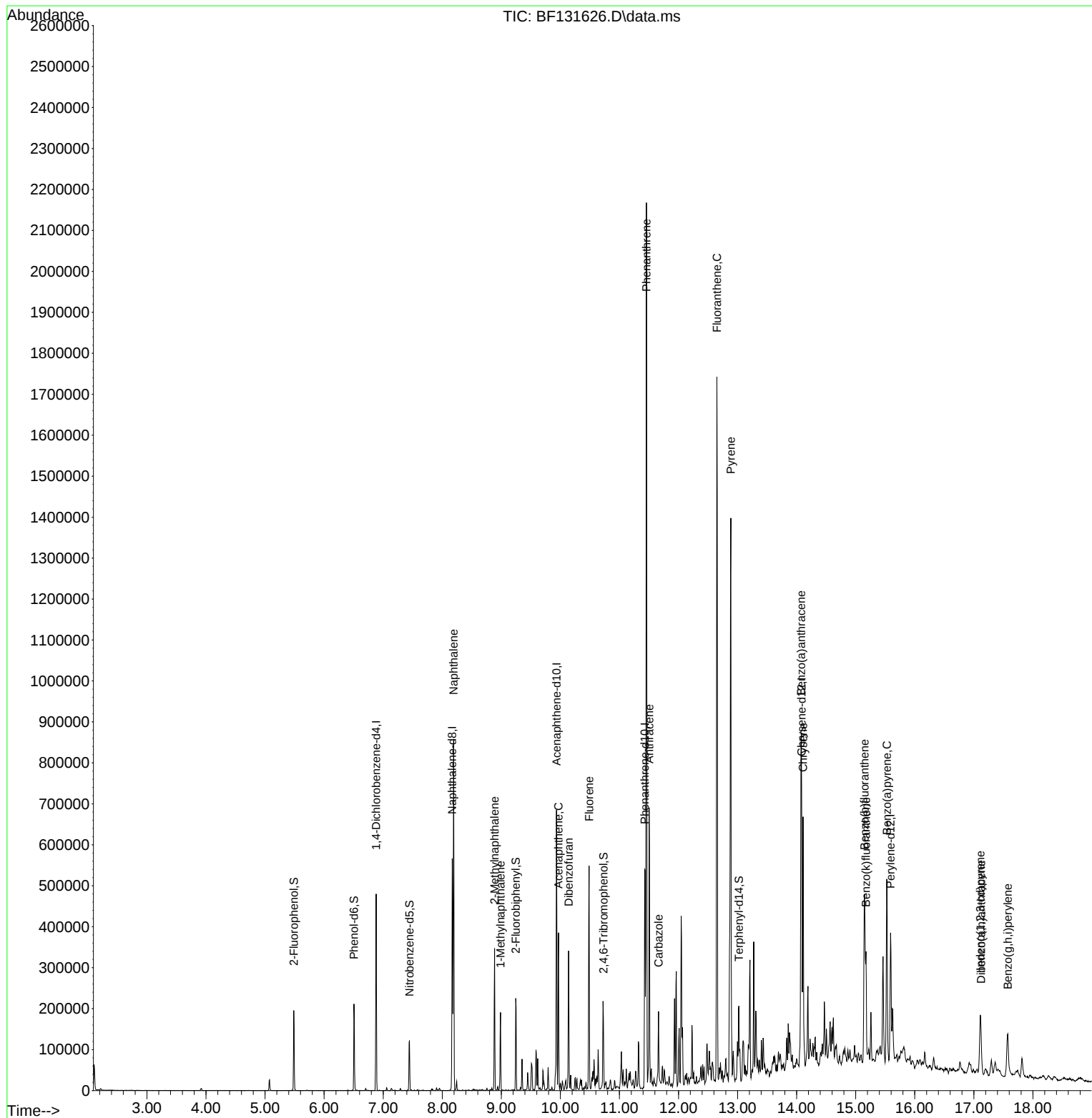
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121322\
Data File : BF131626.D
Acq On : 13 Dec 2022 22:31
Operator : CG\JU
Sample : N5985-01DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

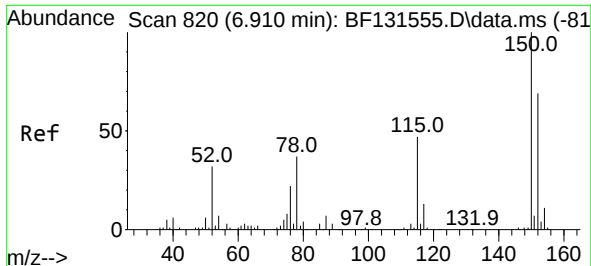
Instrument :
BNA_F
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OR-02-120922DL

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Supervised By :mohammad ahmed 12/14/2022

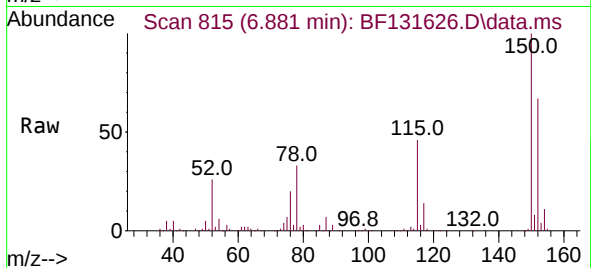
Quant Time: Dec 14 03:36:26 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 14 03:22:29 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

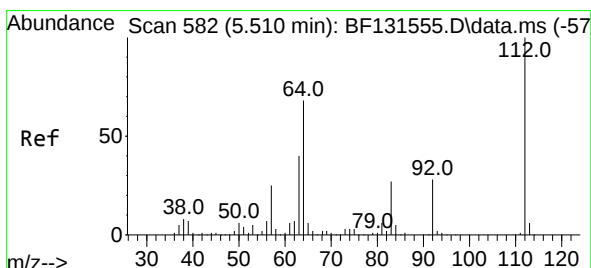
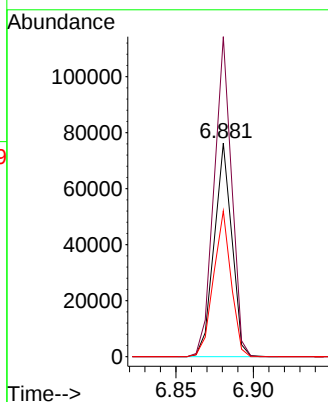
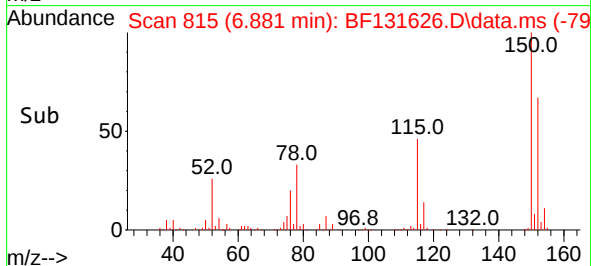
Instrument :
BNA_F
ClientSampleId :
OR-02-120922DL



Tgt Ion:152 Resp: 60724
Ion Ratio Lower Upper
152 100
150 149.9 116.7 175.1
115 68.2 54.6 82.0

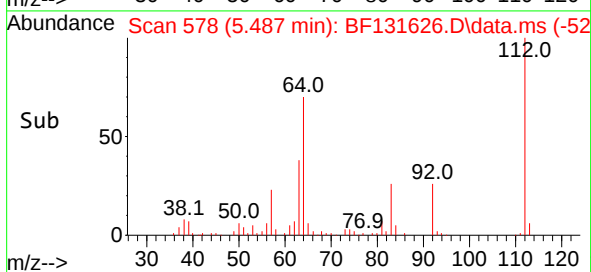
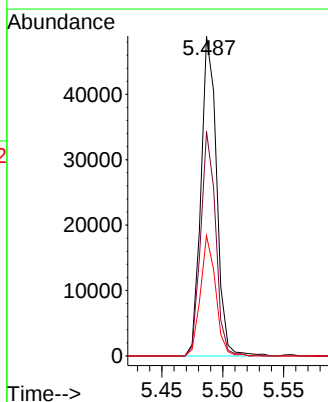
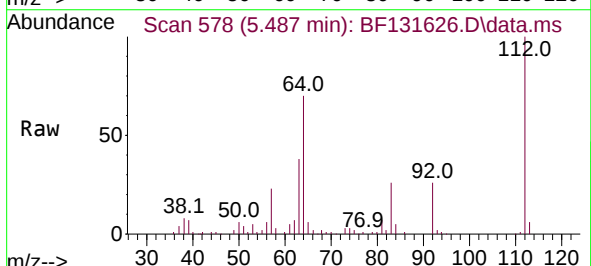
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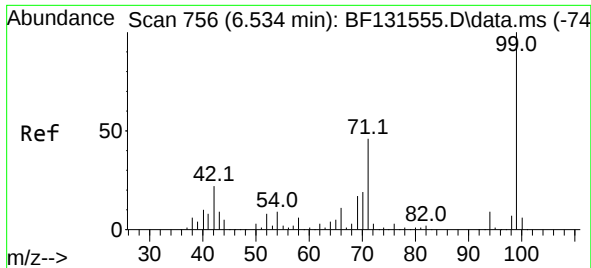
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#5
2-Fluorophenol
Concen: 12.052 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

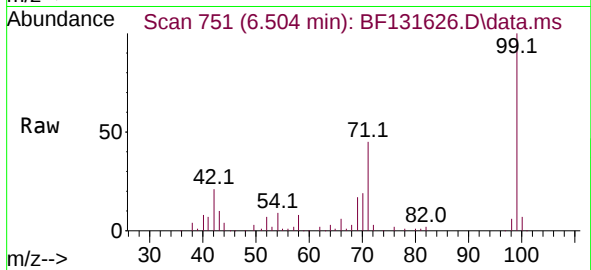
Tgt Ion:112 Resp: 43869
Ion Ratio Lower Upper
112 100
64 70.2 54.5 81.7
63 37.6 31.9 47.9





#7
Phenol-d6
Concen: 12.307 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

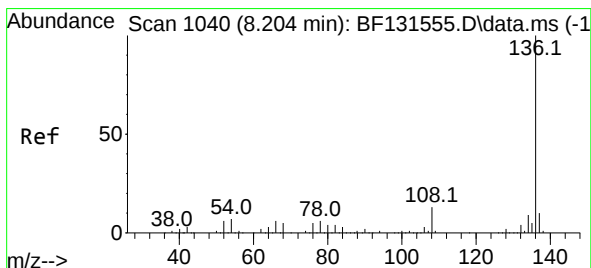
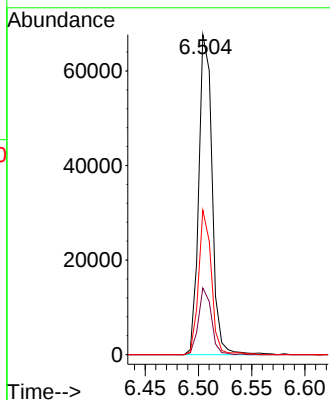
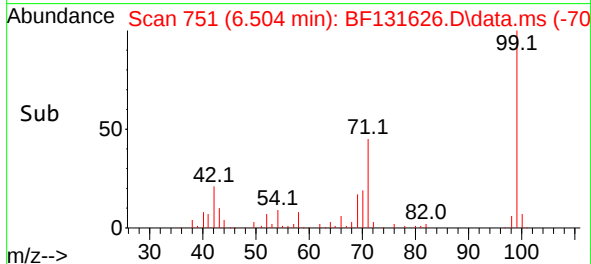
Instrument :
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Tgt Ion: 99 Resp: 5870
Ion Ratio Lower Upper
99 100
42 20.8 17.9 26.9
71 45.1 37.2 55.8

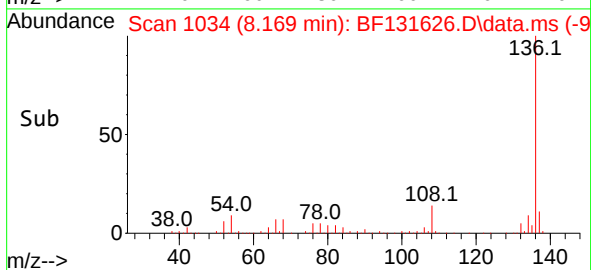
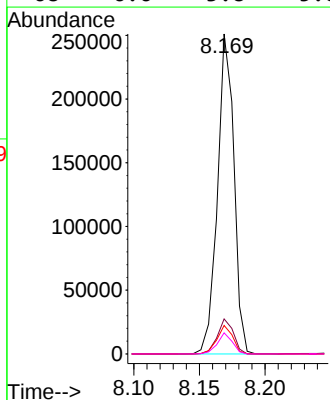
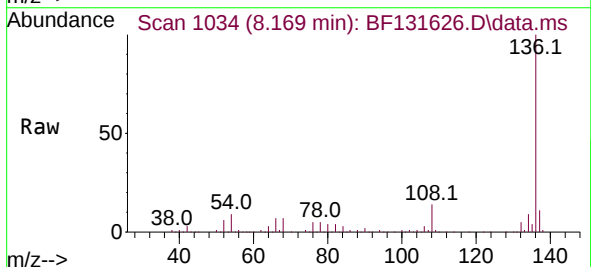
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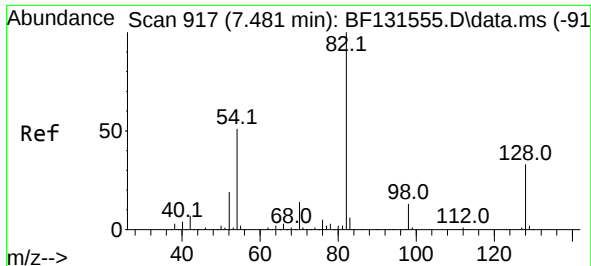
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

Tgt Ion:136 Resp: 219464
Ion Ratio Lower Upper
136 100
137 10.9 8.1 12.1
54 8.9 6.0 9.0
68 6.6 3.8 5.8#





#23

Nitrobenzene-d5

Concen: 6.851 ng

RT: 7.445 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF131626.D

Acq: 13 Dec 2022 22:31

Instrument :

BNA_F

ClientSampleId :

OR-02-120922DL

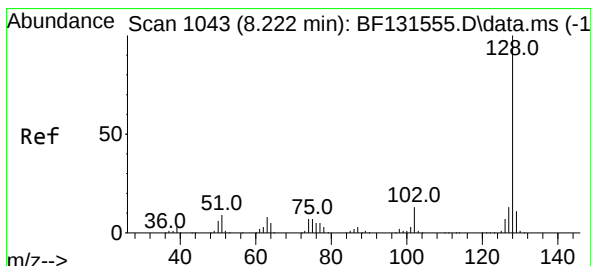
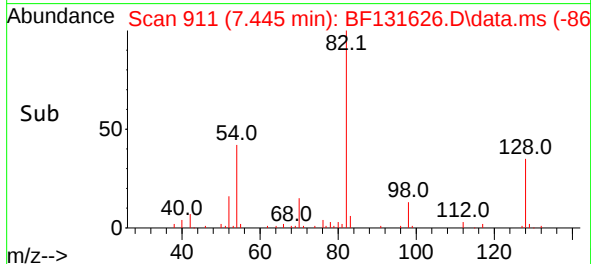
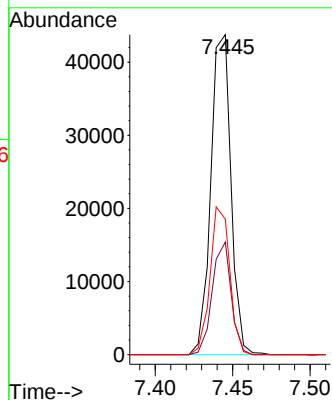
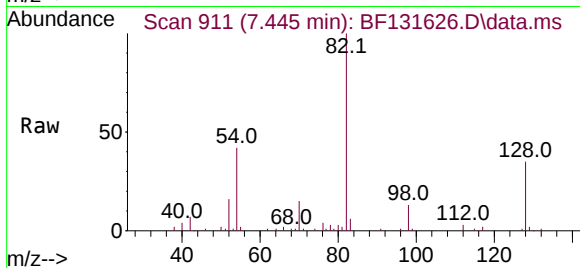
Tgt Ion: 82 Resp: 39776

Ion	Ratio	Lower	Upper
82	100		
128	35.2	26.1	39.1
54	42.3	40.6	60.8

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Supervised By :mohammad ahmed 12/14/2022



#31

Naphthalene

Concen: 25.102 ng

RT: 8.192 min Scan# 1038

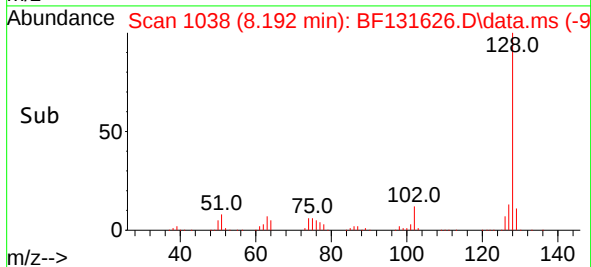
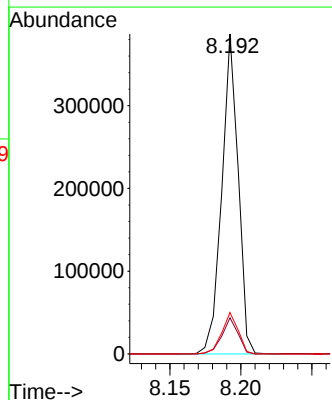
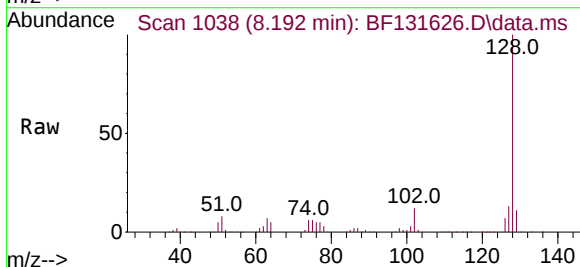
Delta R.T. -0.006 min

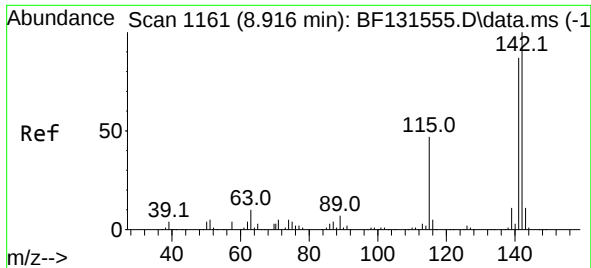
Lab File: BF131626.D

Acq: 13 Dec 2022 22:31

Tgt Ion:128 Resp: 310289

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	12.9	10.6	15.8





#37
2-Methylnaphthalene
Concen: 8.915 ng
RT: 8.886 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

Instrument :

BNA_F

ClientSampleId :

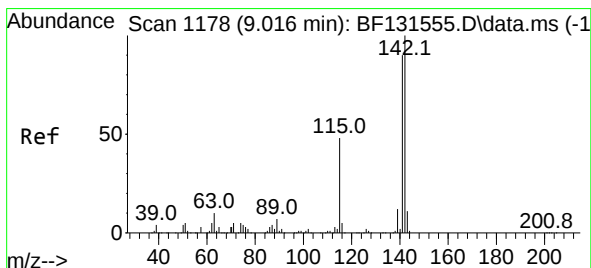
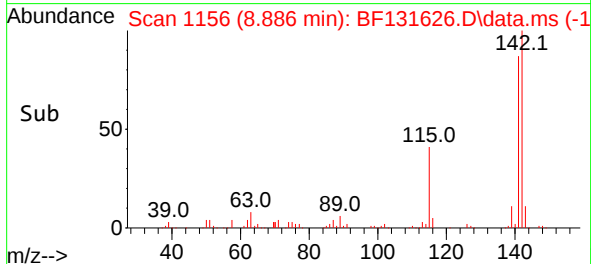
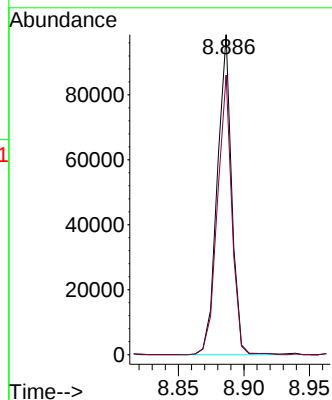
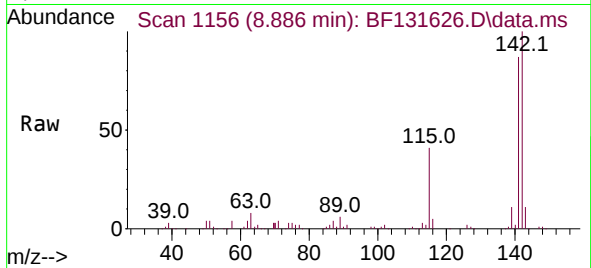
OR-02-120922DL

Tgt Ion:142 Resp: 75359
Ion Ratio Lower Upper
142 100
141 87.3 69.7 104.5

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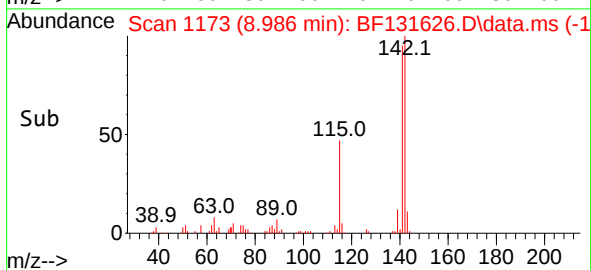
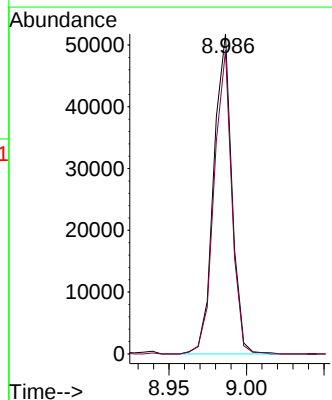
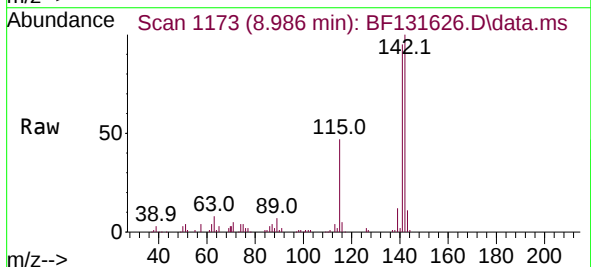
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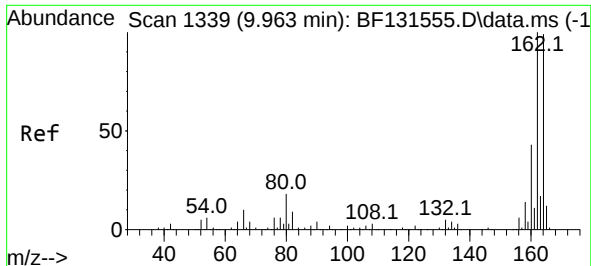
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022



#38
1-Methylnaphthalene
Concen: 5.187 ng
RT: 8.986 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

Tgt Ion:142 Resp: 42090
Ion Ratio Lower Upper
142 100
141 94.8 71.9 107.9





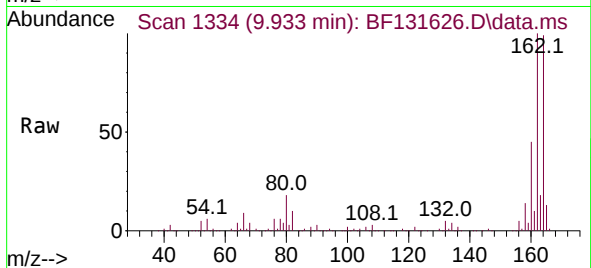
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

Instrument :

BNA_F

ClientSampleId :

OR-02-120922DL

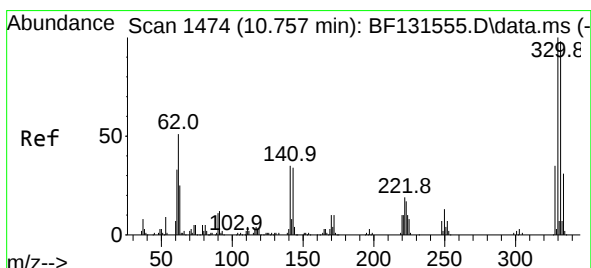
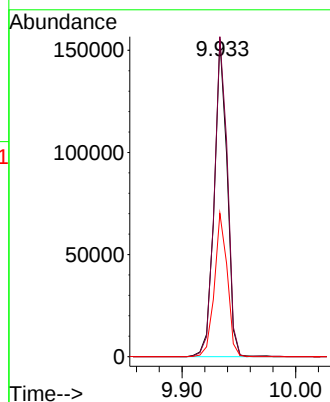
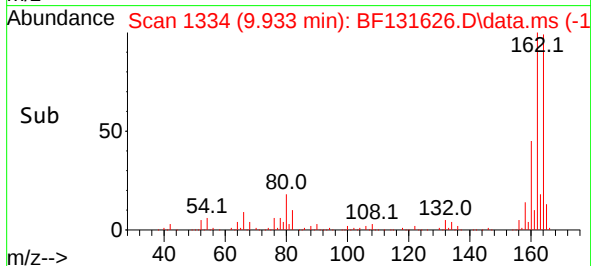


Tgt Ion:164 Resp: 12285
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.6
160 45.2 35.0 52.6

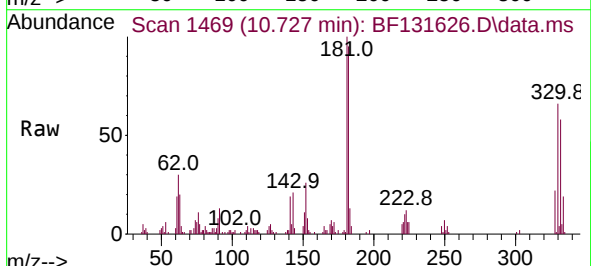
Manual Integrations

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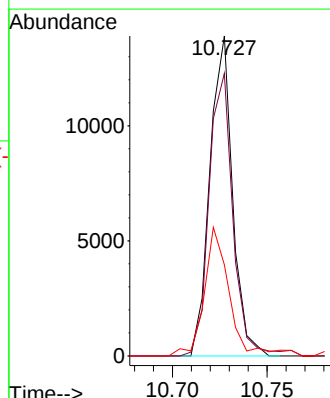
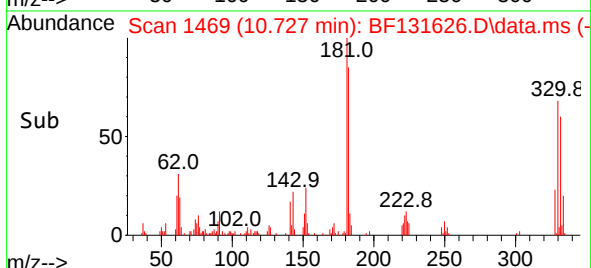
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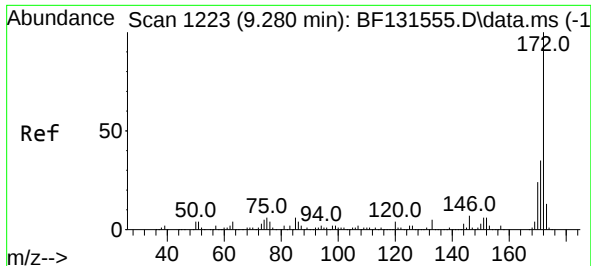


#42
2,4,6-Tribromophenol
Concen: 8.491 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31



Tgt Ion:330 Resp: 11589
Ion Ratio Lower Upper
330 100
332 93.1 78.3 117.5
141 44.3 32.6 49.0





#45

2-Fluorobiphenyl

Concen: 6.614 ng

RT: 9.245 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF131626.D

Acq: 13 Dec 2022 22:31

Instrument :

BNA_F

ClientSampleId :

OR-02-120922DL

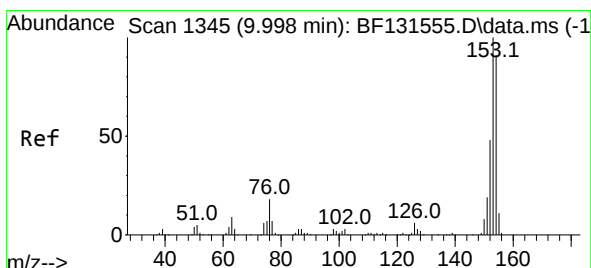
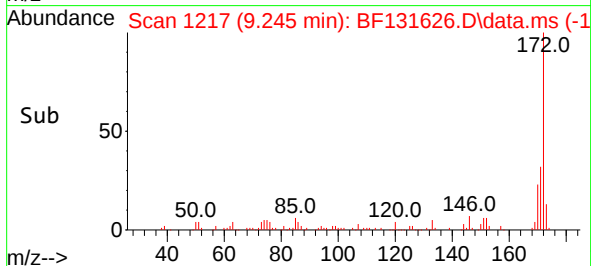
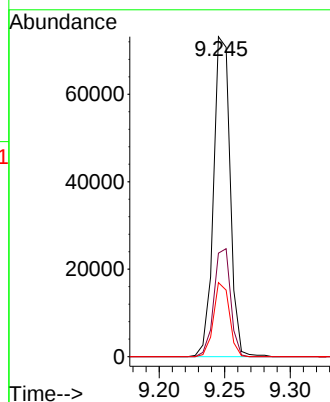
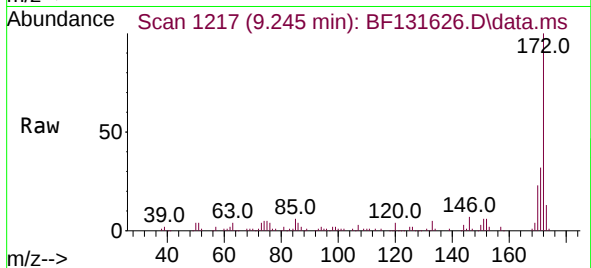
Tgt Ion:172 Resp: 6444

Ion	Ratio	Lower	Upper
172	100		
171	32.3	28.3	42.5
170	23.1	19.3	28.9

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Supervised By :mohammad ahmed 12/14/2022



#52

Acenaphthene

Concen: 9.175 ng m

RT: 9.969 min Scan# 1340

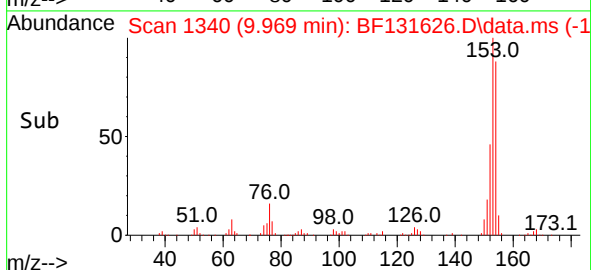
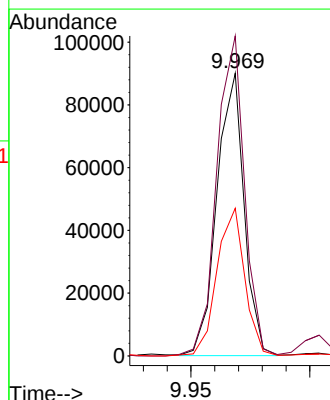
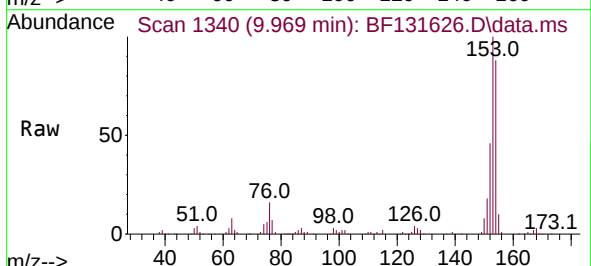
Delta R.T. -0.006 min

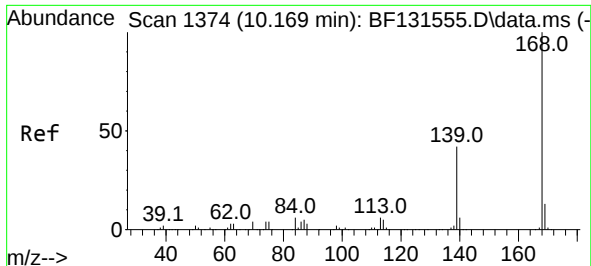
Lab File: BF131626.D

Acq: 13 Dec 2022 22:31

Tgt Ion:154 Resp: 71422

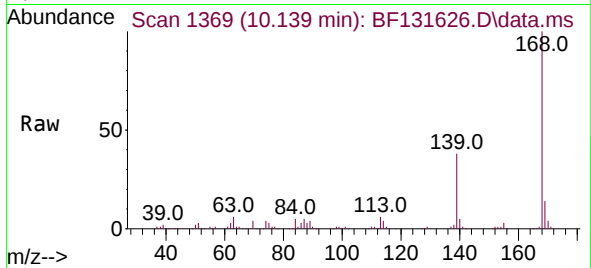
Ion	Ratio	Lower	Upper
154	100		
153	113.2	87.9	131.9
152	52.2	42.4	63.6





#55
Dibenzenofuran
Concen: 9.635 ng
RT: 10.139 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

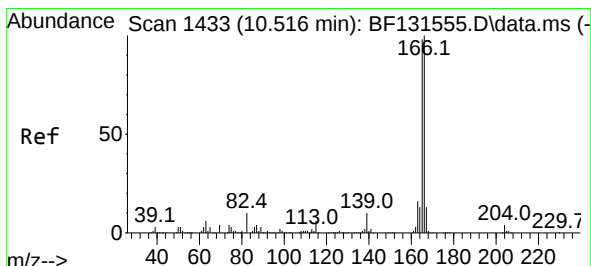
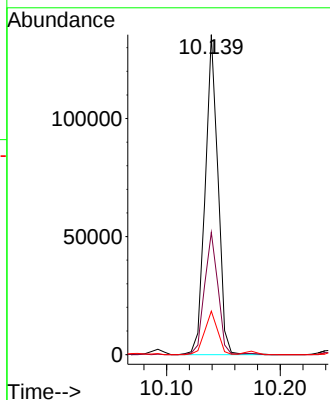
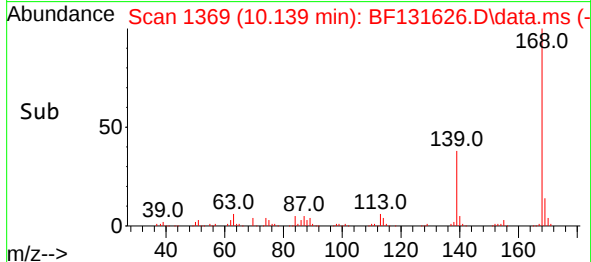
Instrument :
BNA_F
ClientSampleId :
OR-02-120922DL



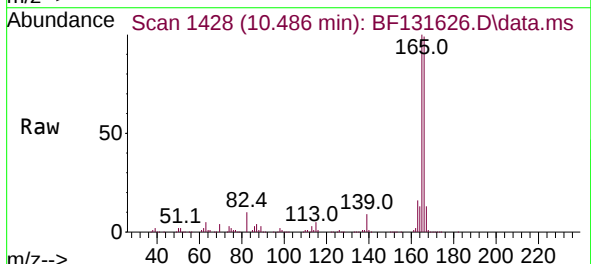
Tgt Ion:168 Resp: 105978
Ion Ratio Lower Upper
168 100
139 38.2 33.9 50.9
169 13.6 10.7 16.1

Manual Integrations
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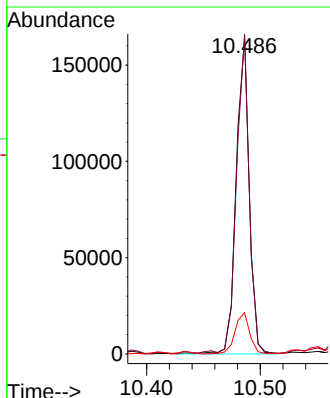
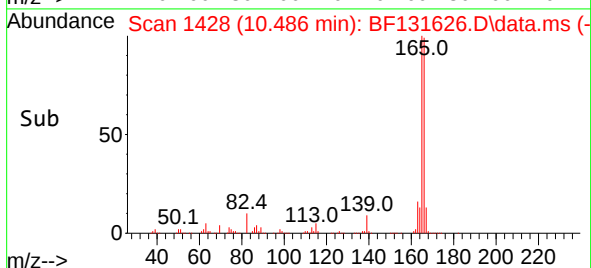
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

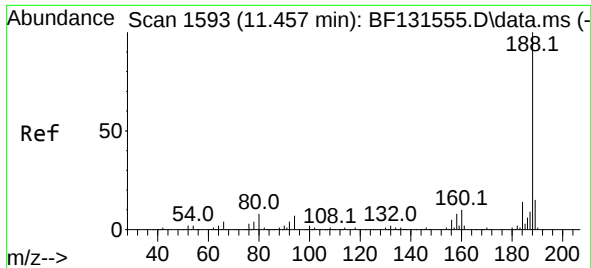


#58
Fluorene
Concen: 14.653 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31



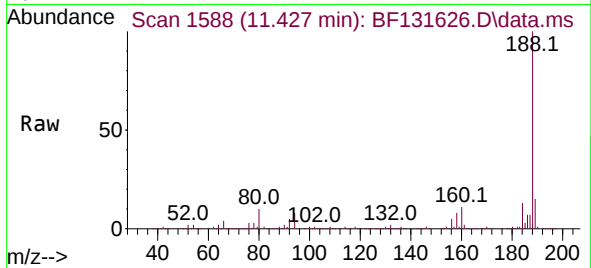
Tgt Ion:166 Resp: 131017
Ion Ratio Lower Upper
166 100
165 101.3 78.4 117.6
167 13.1 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

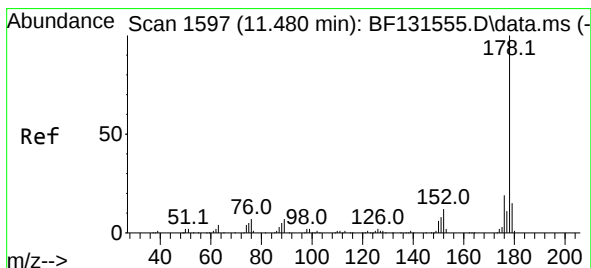
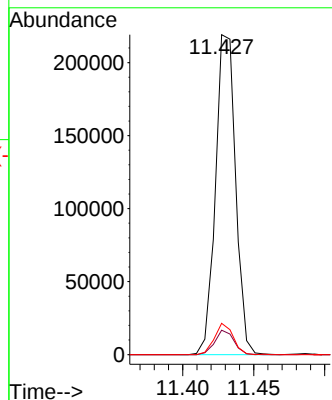
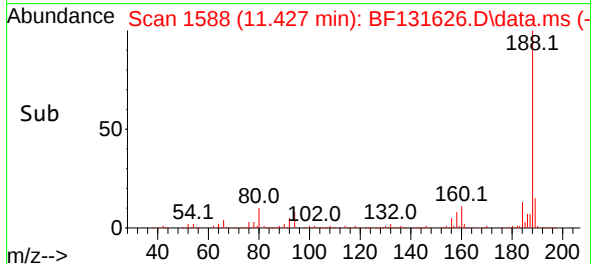
Instrument :
BNA_F
ClientSampleId :
OR-02-120922DL



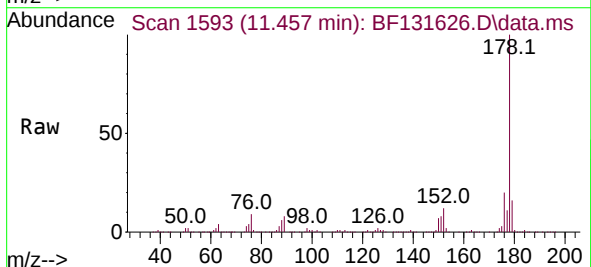
Tgt Ion:188 Resp: 216766
Ion Ratio Lower Upper
188 100
94 7.6 5.5 8.3
80 9.8 6.6 10.0

Manual Integrations
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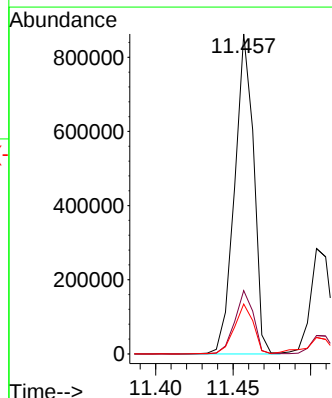
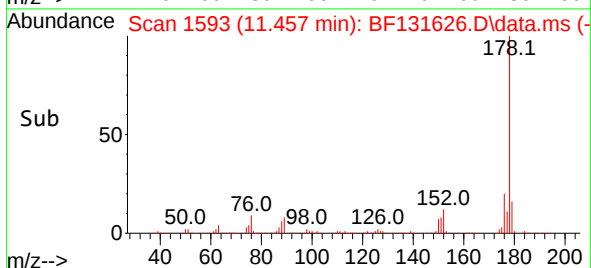
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

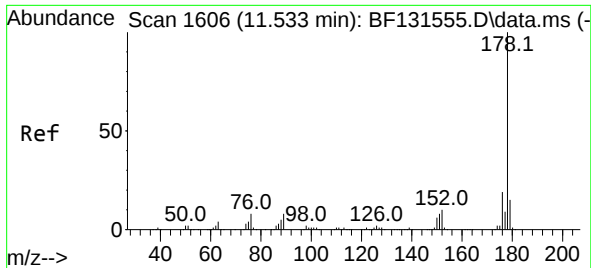


#71
Phenanthrene
Concen: 61.336 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31



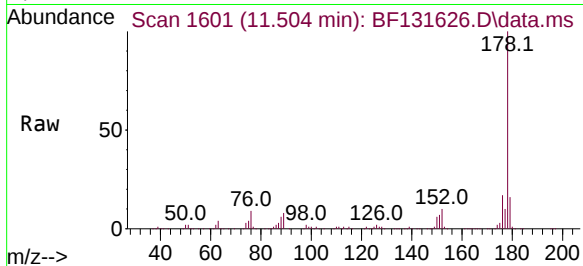
Tgt Ion:178 Resp: 741081
Ion Ratio Lower Upper
178 100
176 19.8 15.4 23.0
179 15.6 12.2 18.4





#72
 Anthracene
 Concen: 20.389 ng
 RT: 11.504 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF131626.D
 Acq: 13 Dec 2022 22:31

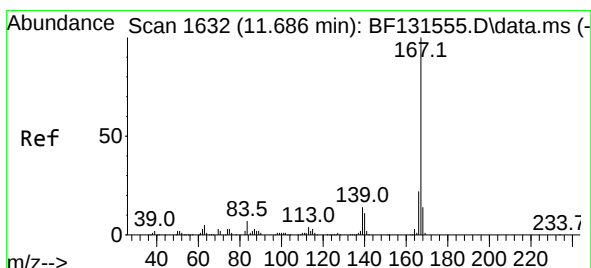
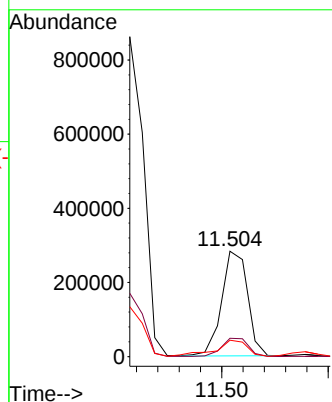
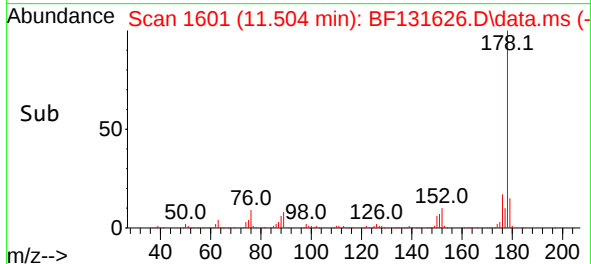
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-120922DL



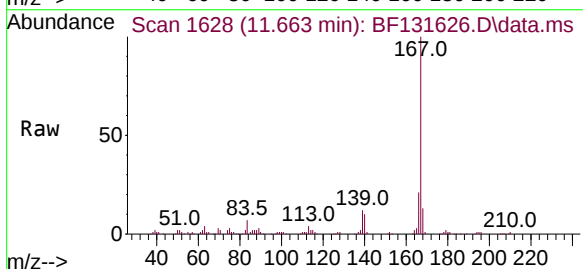
Tgt Ion:178 Resp: 239676
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.0 22.6
 179 15.6 12.3 18.5

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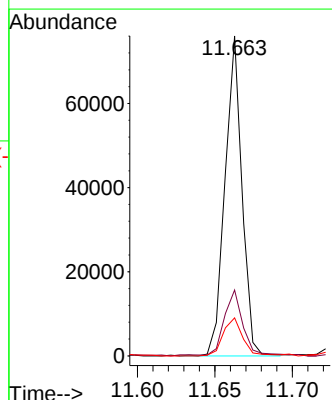
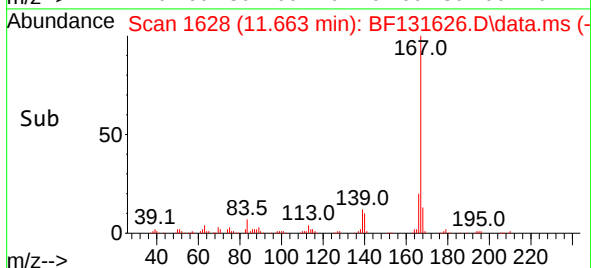
Reviewed By :Jagrut Upadhyay 12/14/2022
 Supervised By :mohammad ahmed 12/14/2022

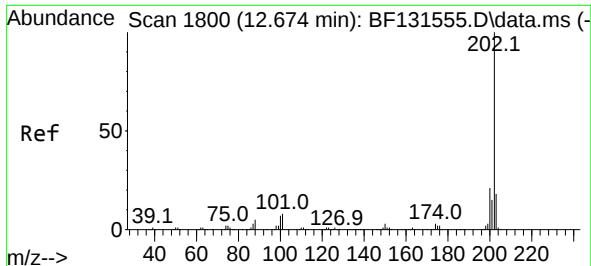


#73
 Carbazole
 Concen: 6.037 ng
 RT: 11.663 min Scan# 1628
 Delta R.T. -0.006 min
 Lab File: BF131626.D
 Acq: 13 Dec 2022 22:31



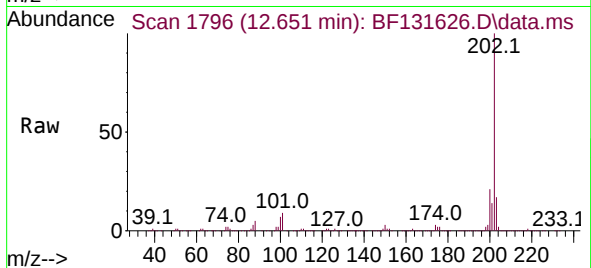
Tgt Ion:167 Resp: 57924
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.4 26.0
 139 11.9 11.0 16.4





#75
Fluoranthene
Concen: 56.625 ng
RT: 12.651 min Scan# 1796
Delta R.T. 0.000 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

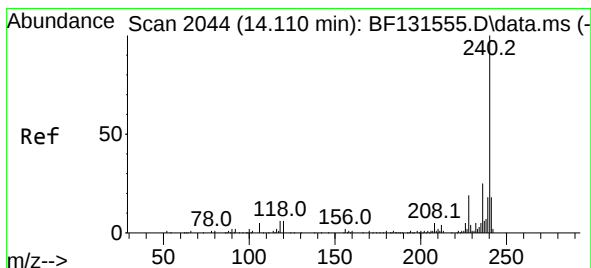
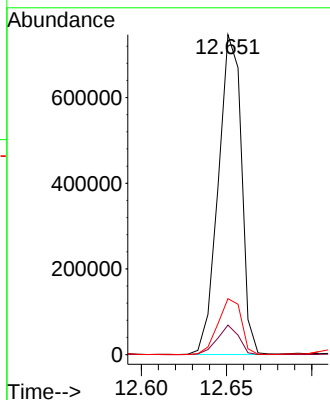
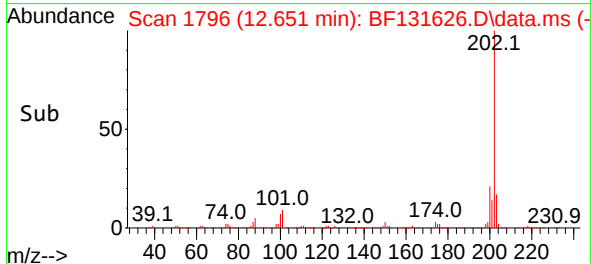
Instrument :
BNA_F
ClientSampleId :
OR-02-120922DL



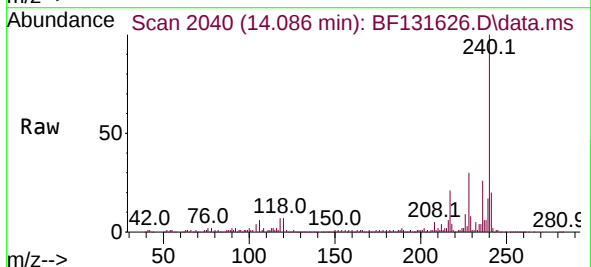
Tgt Ion:202 Resp: 704501
Ion Ratio Lower Upper
202 100
101 9.2 0.0 27.7
203 17.5 0.0 37.7

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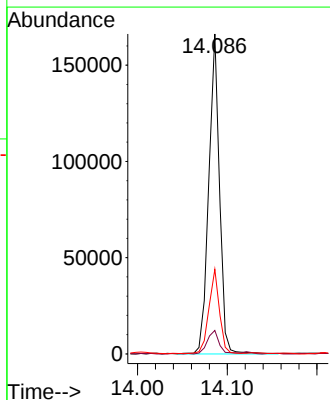
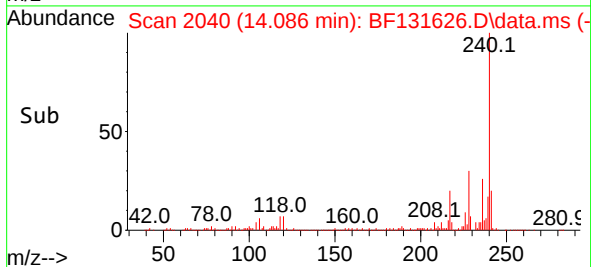
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

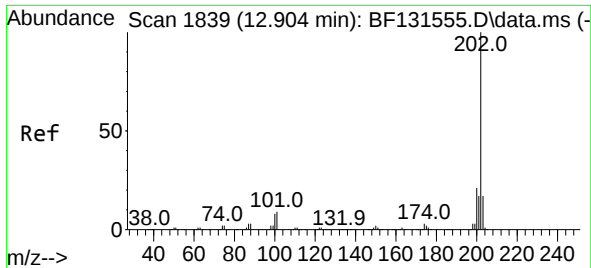


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2040
Delta R.T. 0.000 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31



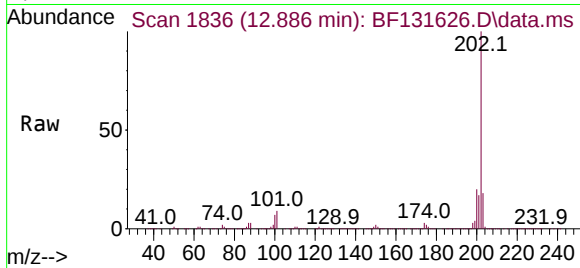
Tgt Ion:240 Resp: 138917
Ion Ratio Lower Upper
240 100
120 7.3 4.6 7.0#
236 26.4 20.2 30.2





#78
Pyrene
Concen: 44.378 ng
RT: 12.886 min Scan# 1836
Delta R.T. 0.000 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

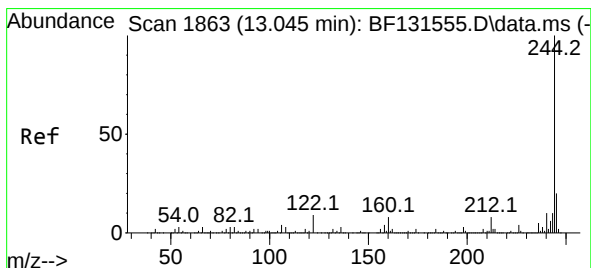
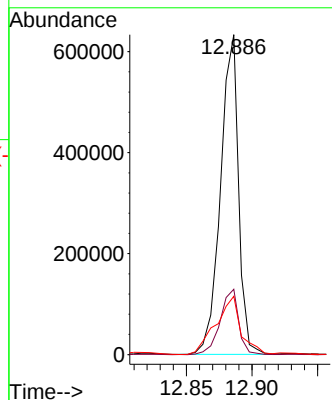
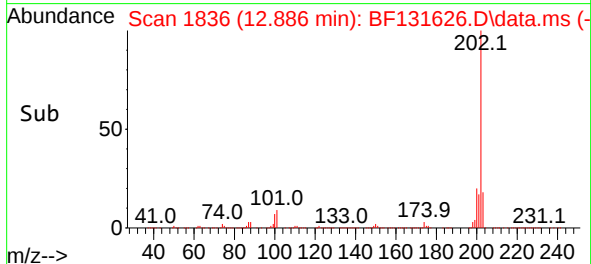
Instrument :
BNA_F
ClientSampleId :
OR-02-120922DL



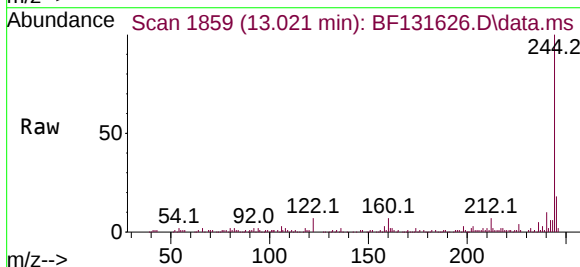
Tgt Ion:202 Resp: 607884
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 18.2 13.8 20.6

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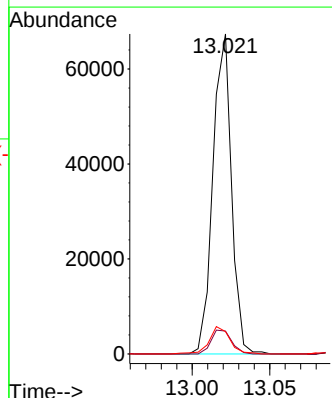
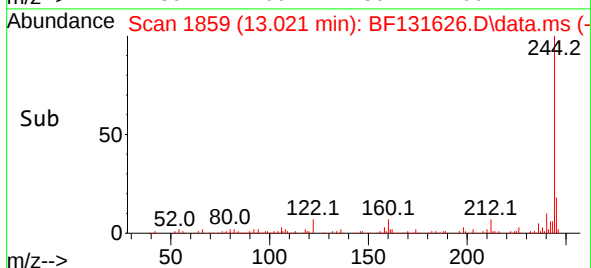
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

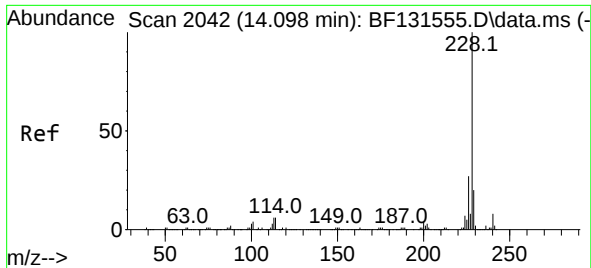


#79
Terphenyl-d14
Concen: 5.531 ng
RT: 13.021 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31



Tgt Ion:244 Resp: 56031
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 7.0 7.1 10.7#





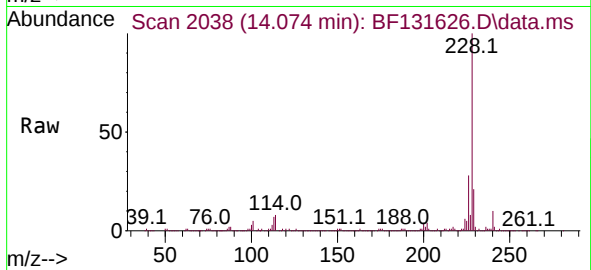
#81
Benzo(a)anthracene
Concen: 28.665 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

Instrument :

BNA_F

ClientSampleId :

OR-02-120922DL

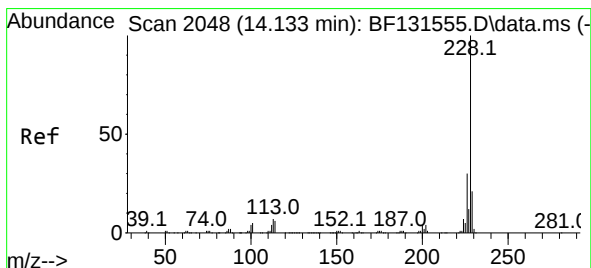
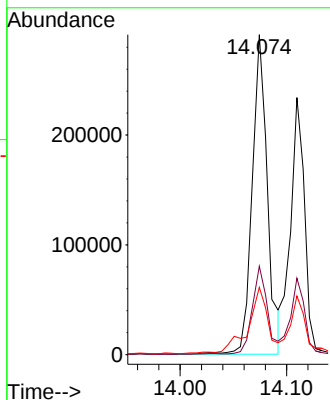
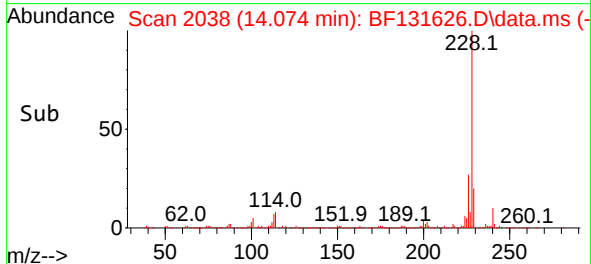


Tgt Ion:228 Resp: 287573
Ion Ratio Lower Upper
228 100
226 27.6 21.5 32.3
229 21.1 15.8 23.6

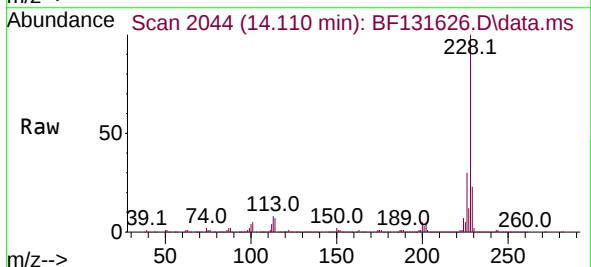
Manual Integrations

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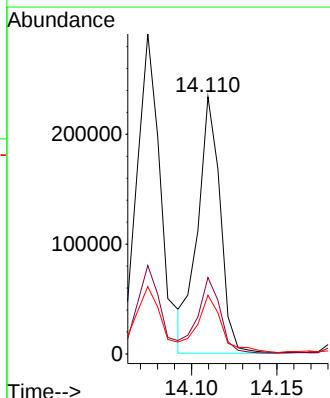
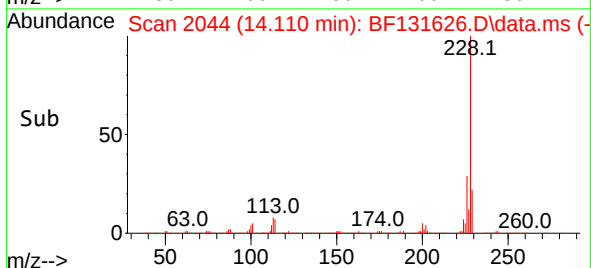
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

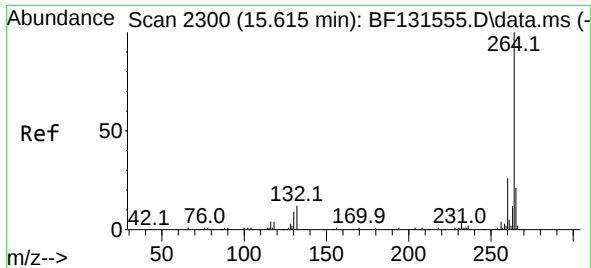


#83
Chrysene
Concen: 22.559 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31



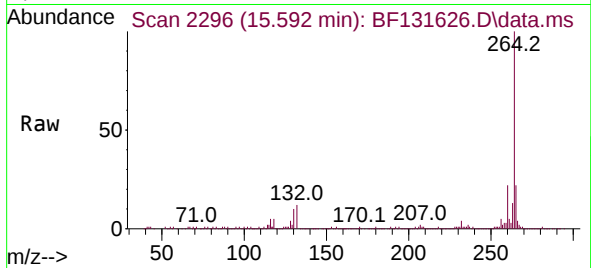
Tgt Ion:228 Resp: 215158
Ion Ratio Lower Upper
228 100
226 29.8 23.9 35.9
229 22.8 16.7 25.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF131626.D
 Acq: 13 Dec 2022 22:31

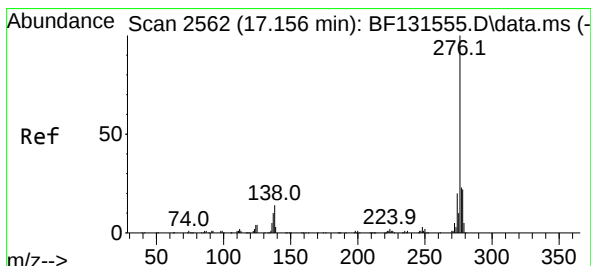
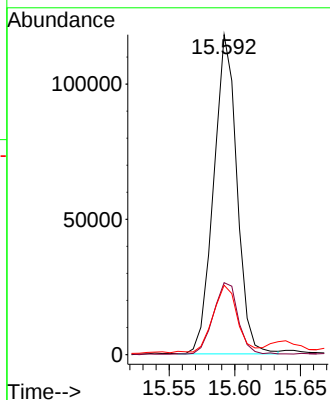
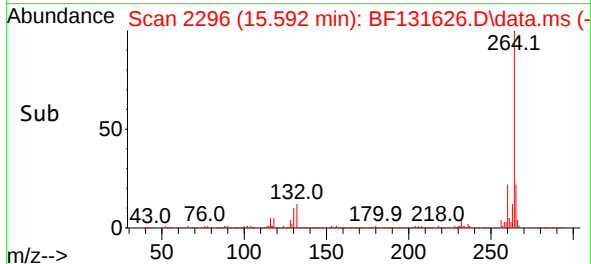
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-120922DL



Tgt Ion:264 Resp: 145655
 Ion Ratio Lower Upper
 264 100
 260 22.5 20.6 30.8
 265 21.7 16.8 25.2

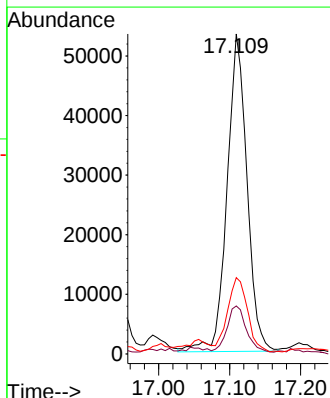
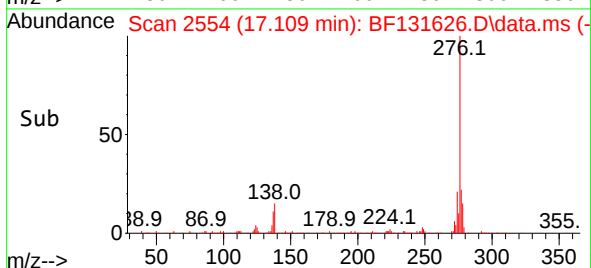
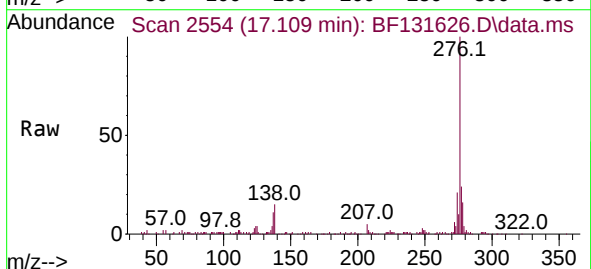
Manual Integrations
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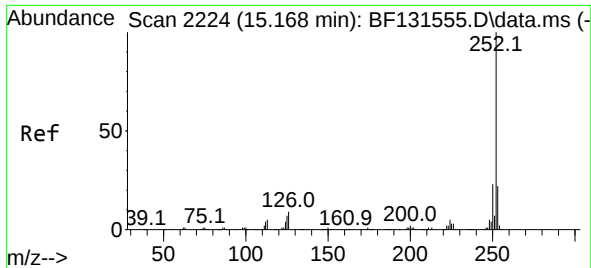
Reviewed By :Jagrut Upadhyay 12/14/2022
 Supervised By :mohammad ahmed 12/14/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.744 ng
 RT: 17.109 min Scan# 2554
 Delta R.T. -0.012 min
 Lab File: BF131626.D
 Acq: 13 Dec 2022 22:31

Tgt Ion:276 Resp: 103937
 Ion Ratio Lower Upper
 276 100
 138 14.0 12.7 19.1
 277 23.3 20.0 30.0





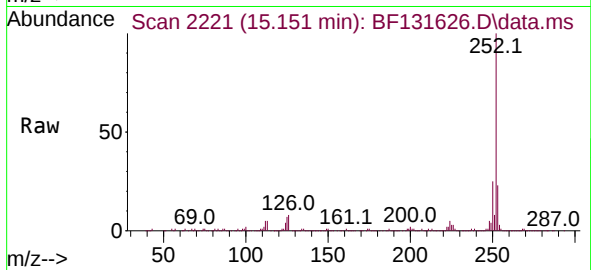
#88
Benzo(b)fluoranthene
Concen: 30.357 ng m
RT: 15.151 min Scan# 221
Delta R.T. 0.000 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

Instrument :

BNF

ClientSampleId :

OR-02-120922DL

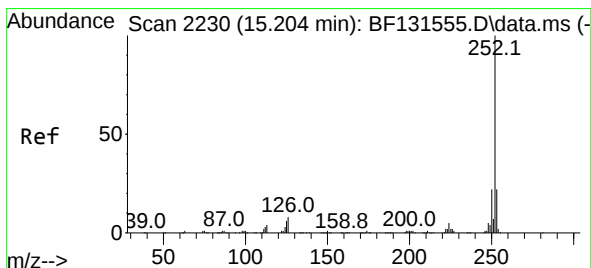
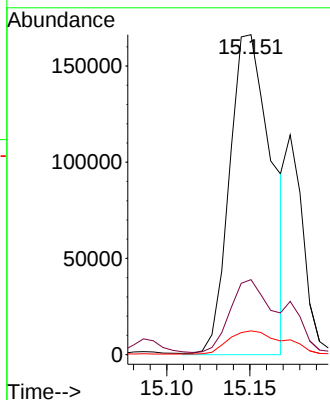
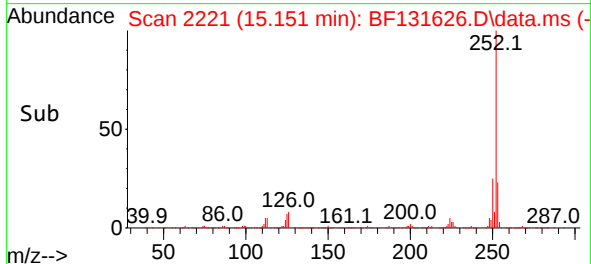


Tgt Ion:252 Resp: 291424
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 7.4 5.6 8.4

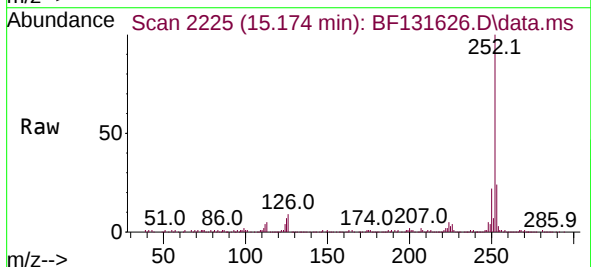
Manual Integrations

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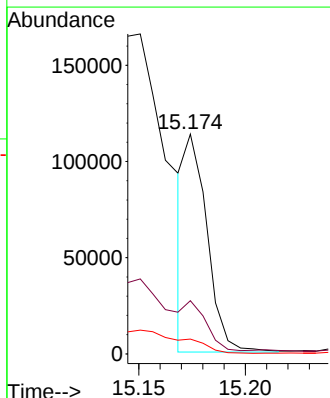
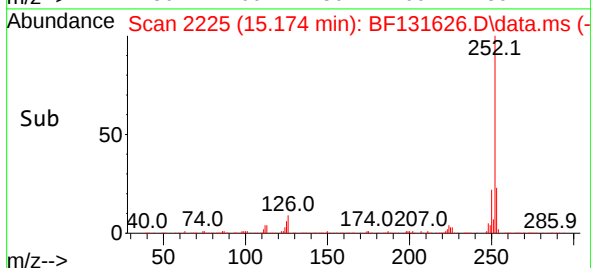
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

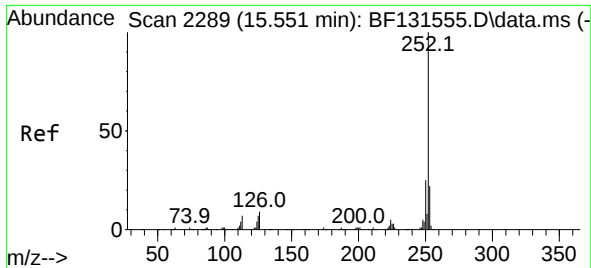


#89
Benzo(k)fluoranthene
Concen: 8.204 ng m
RT: 15.174 min Scan# 2225
Delta R.T. -0.006 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31



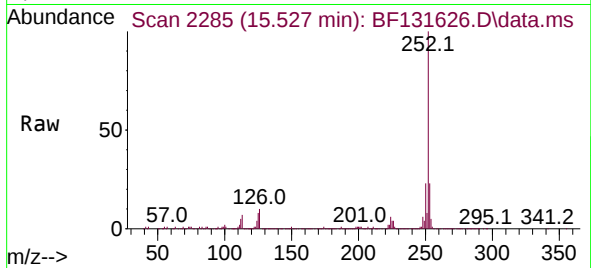
Tgt Ion:252 Resp: 82202
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 6.7 4.9 7.3





#90
Benzo(a)pyrene
Concen: 27.276 ng
RT: 15.527 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31

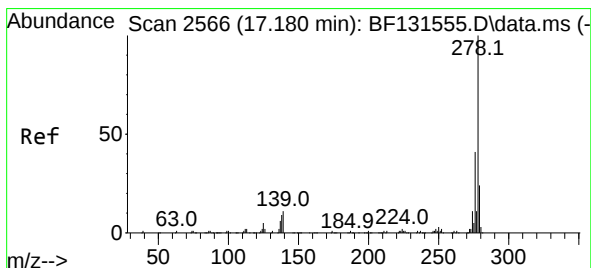
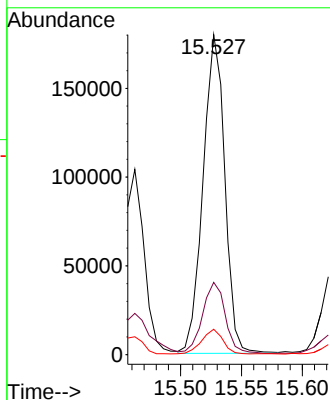
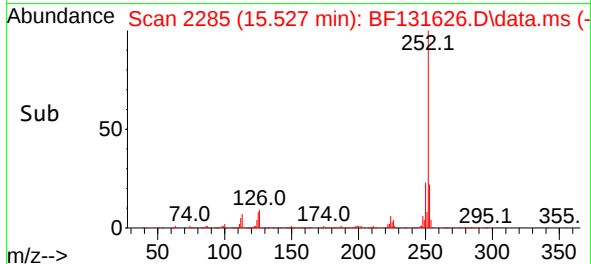
Instrument :
BNA_F
ClientSampleId :
OR-02-120922DL



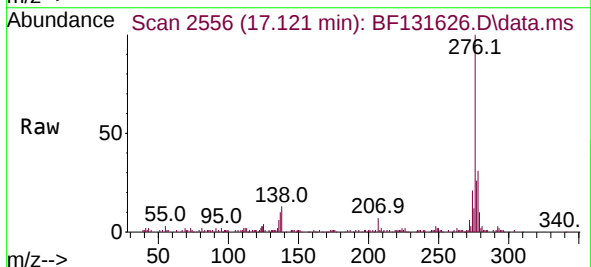
Tgt Ion:252 Resp: 223464
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.0 5.6 8.4

Manual Integrations
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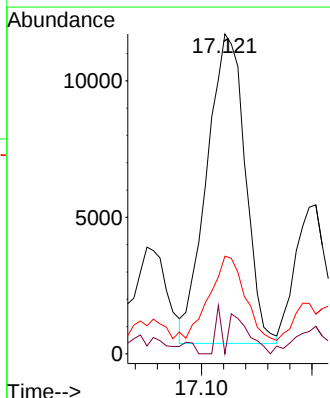
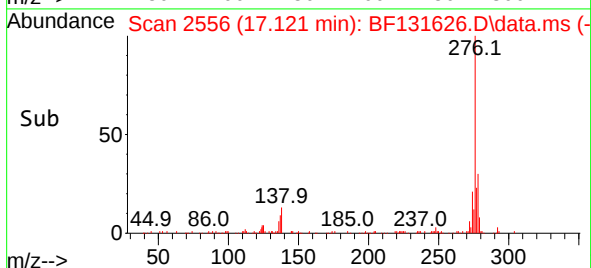
Reviewed By :Jagrut Upadhyay 12/14/2022
Supervised By :mohammad ahmed 12/14/2022

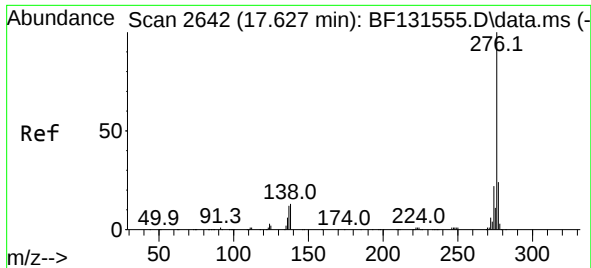


#91
Dibenzo(a,h)anthracene
Concen: 2.799 ng m
RT: 17.121 min Scan# 2556
Delta R.T. -0.018 min
Lab File: BF131626.D
Acq: 13 Dec 2022 22:31



Tgt Ion:278 Resp: 27388
Ion Ratio Lower Upper
278 100
139 0.0 8.9 13.3#
279 30.5 19.0 28.6#





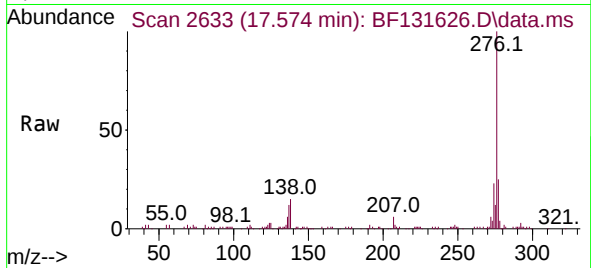
#92
 Benzo(g,h,i)perylene
 Concen: 9.495 ng
 RT: 17.574 min Scan# 2633
 Delta R.T. -0.018 min
 Lab File: BF131626.D
 Acq: 13 Dec 2022 22:31

Instrument :

BNA_F

ClientSampleId :

OR-02-120922DL



Tgt Ion:276 Resp: 93359
 Ion Ratio Lower Upper
 276 100
 277 24.7 19.0 28.6
 138 14.9 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/14/2022
 Supervised By :mohammad ahmed 12/14/2022

