

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011124\
 Data File : BF137041.D
 Acq On : 11 Jan 2024 16:17
 Operator : CG\JU
 Sample : P1070-01DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-010824DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
 Supervised By :mohammad ahmed 01/13/2024

Quant Time: Jan 11 16:37:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	45839	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	156057	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	69721	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	130299	20.000	ng	0.00
76) Chrysene-d12	13.974	240	124686	20.000	ng	0.00
86) Perylene-d12	15.462	264	94818	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	87488	29.779	ng	0.00
7) Phenol-d6	6.434	99	102164	26.838	ng	0.00
23) Nitrobenzene-d5	7.345	82	59376	19.469	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	23950	29.167	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	111305	21.472	ng	-0.02
79) Terphenyl-d14	12.910	244	128005	14.347	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.081	128	37484	4.372	ng	99
37) 2-Methylnaphthalene	8.775	142	25663	4.651	ng	99
38) 1-Methylnaphthalene	8.875	142	23977	4.429	ng	94
49) Acenaphthylene	9.680	152	24876	3.659	ng	95
52) Acenaphthene	9.851	154	15581	3.697	ng	96
55) Dibenzofuran	10.022	168	26602	4.164	ng	# 94
58) Fluorene	10.369	166	40507	7.992	ng	93
71) Phenanthrene	11.339	178	278522	41.659	ng	100
72) Anthracene	11.386	178	78008	11.521	ng	98
73) Carbazole	11.551	167	15995	2.506	ng	# 93
75) Fluoranthene	12.539	202	390602	54.619	ng	98
78) Pyrene	12.768	202	334218	27.305	ng	99
81) Benzo(a)anthracene	13.963	228	185030	21.371	ng	97
83) Chrysene	13.998	228	146021	17.247	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	45761	6.684	ng	96
88) Benzo(b)fluoranthene	15.027	252	144986m	22.894	ng	
89) Benzo(k)fluoranthene	15.051	252	46203m	7.721	ng	
90) Benzo(a)pyrene	15.398	252	94630	17.702	ng	96
91) Dibenzo(a,h)anthracene	16.992	278	13831	2.463	ng	# 83
92) Benzo(g,h,i)perylene	17.451	276	39122	6.801	ng	# 90

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

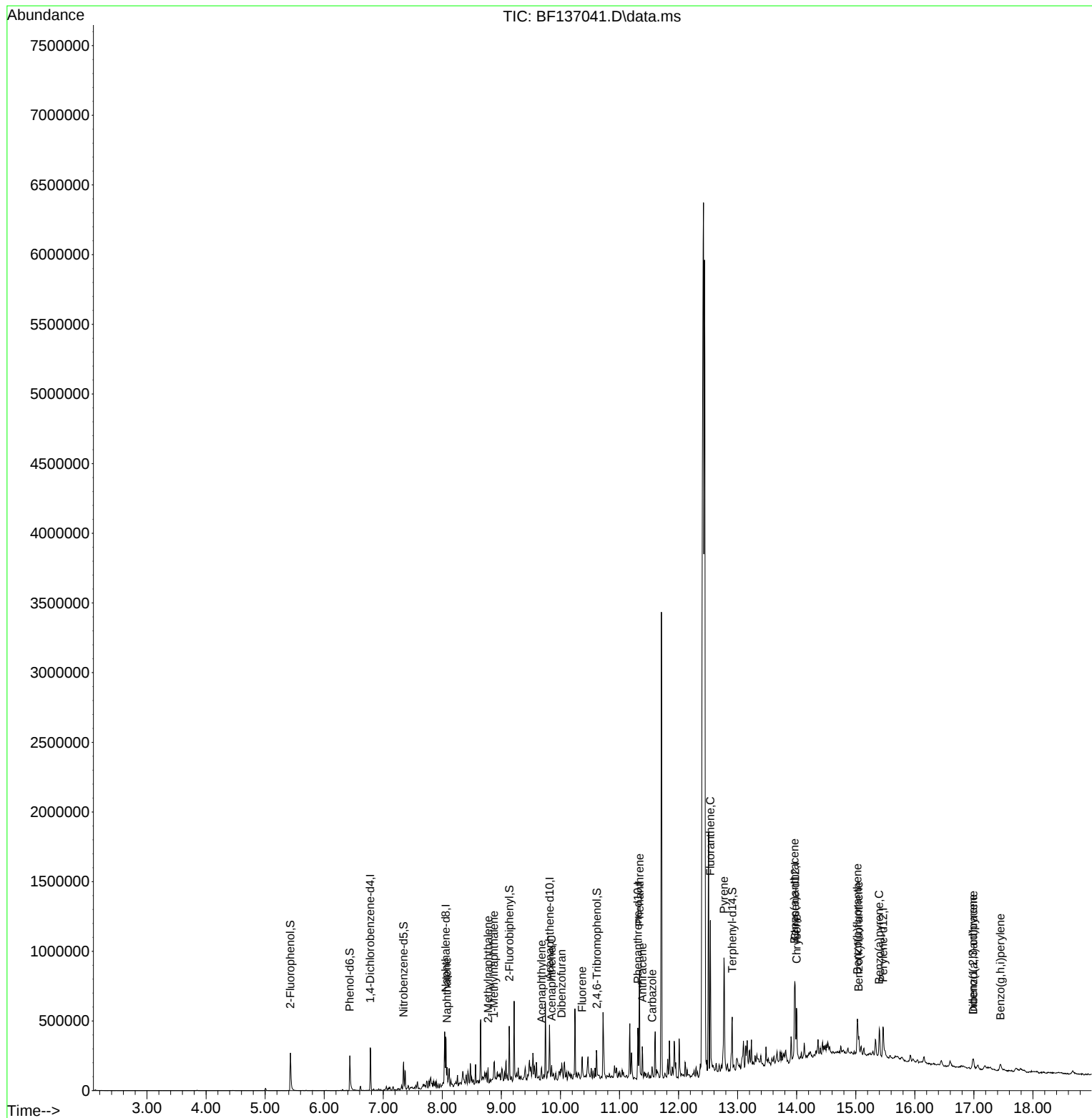
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011124\
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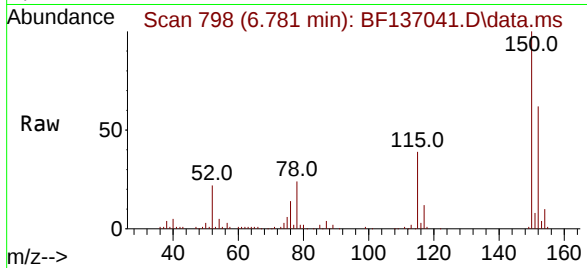
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

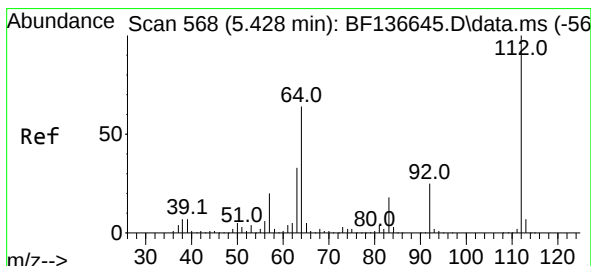
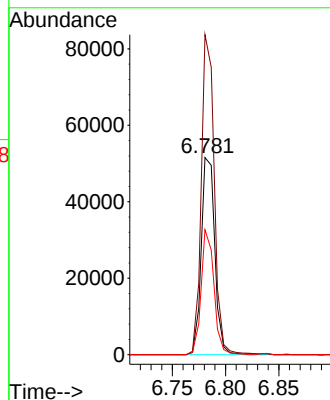
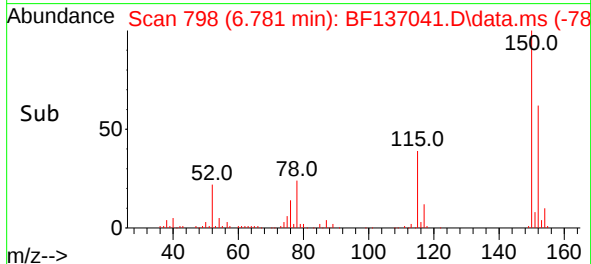
Instrument :
BNA_F
ClientSampleId :
HD-01-010824DL



Tgt Ion:152 Resp: 45839
Ion Ratio Lower Upper
152 100
150 162.4 127.0 190.6
115 63.4 49.0 73.4

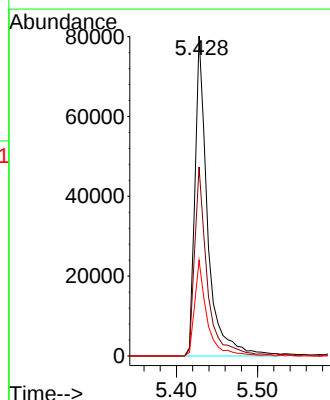
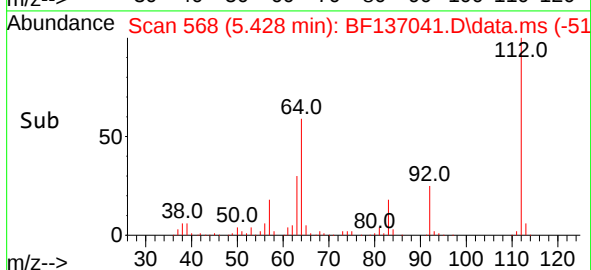
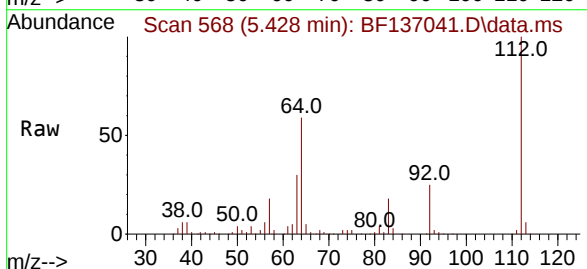
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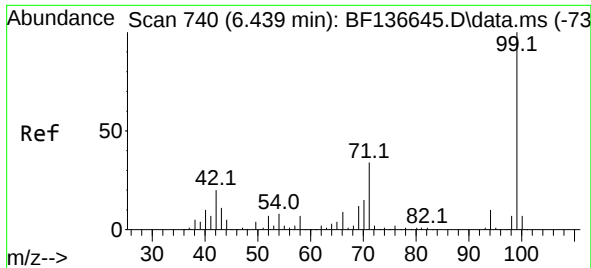
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#5
2-Fluorophenol
Concen: 29.779 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

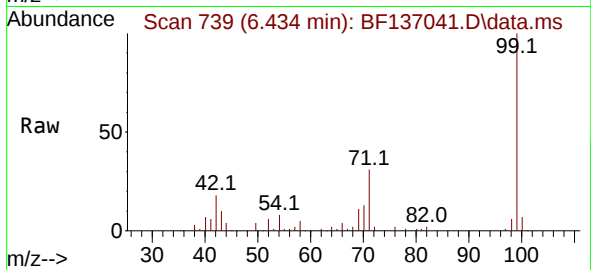
Tgt Ion:112 Resp: 87488
Ion Ratio Lower Upper
112 100
64 59.0 51.1 76.7
63 29.9 26.1 39.1





#7
Phenol-d6
Concen: 26.838 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

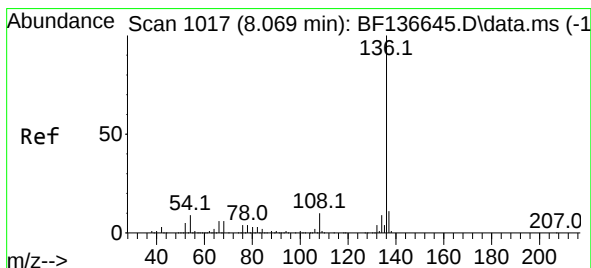
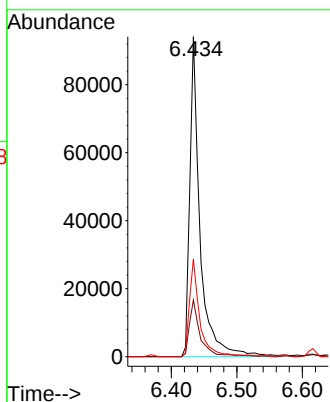
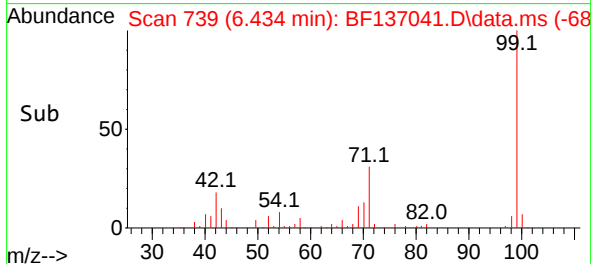
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ClientSampleId :
HD-01-010824DL



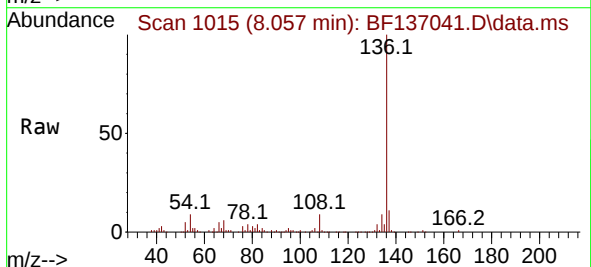
Tgt Ion: 99 Resp: 102164
Ion Ratio Lower Upper
99 100
42 17.7 16.1 24.1
71 30.5 27.4 41.2

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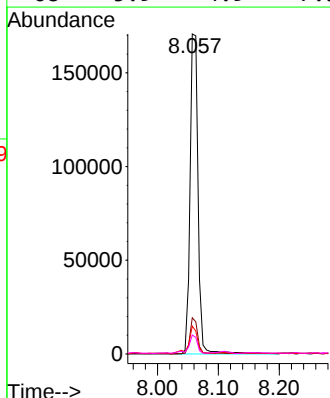
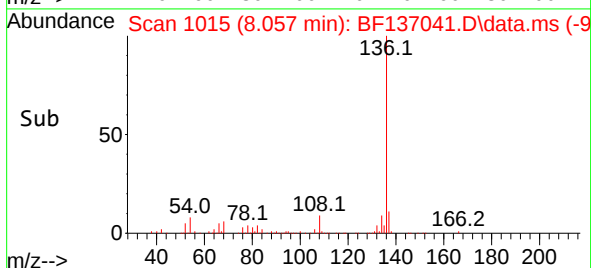
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024

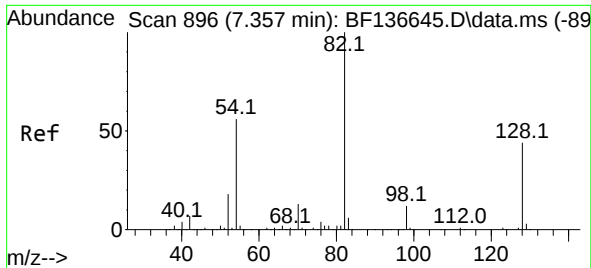


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17



Tgt Ion:136 Resp: 156057
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 8.7 7.2 10.8
68 5.9 4.9 7.3





#23
Nitrobenzene-d5
Concen: 19.469 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

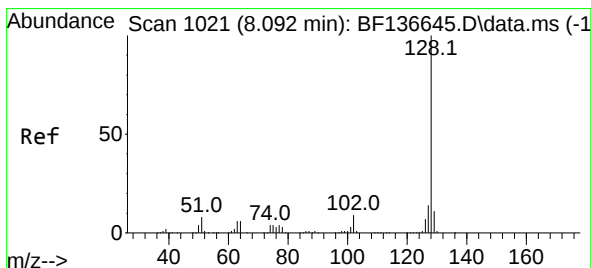
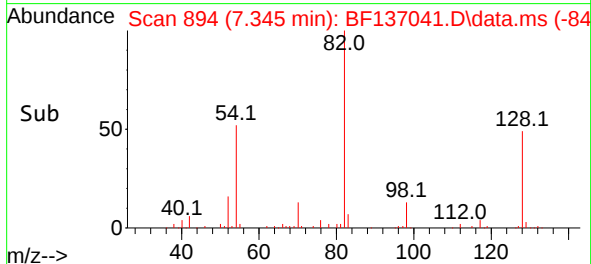
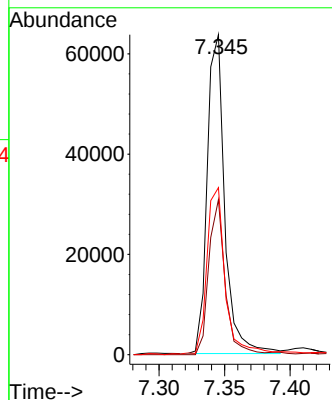
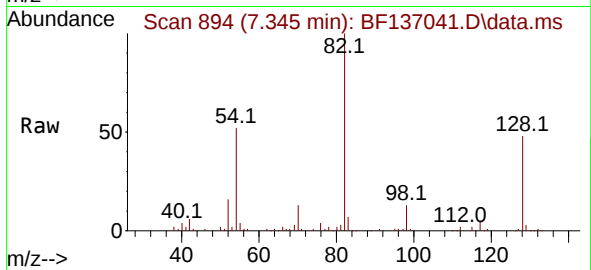
HD-01-010824DL

Tgt Ion: 82 Resp: 59370
Ion Ratio Lower Upper
82 100
128 48.5 35.3 52.9
54 52.2 44.5 66.7

Manual Integrations

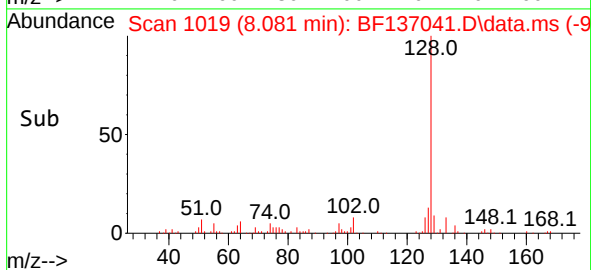
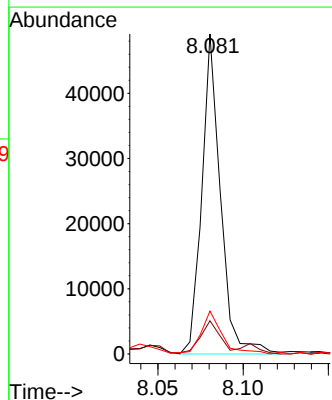
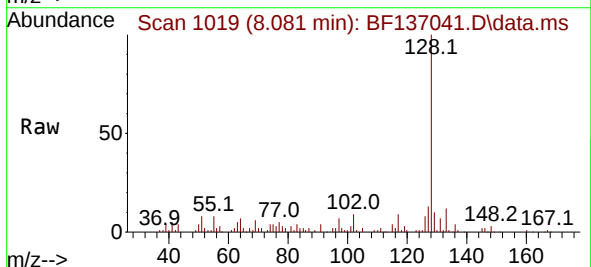
APPROVED

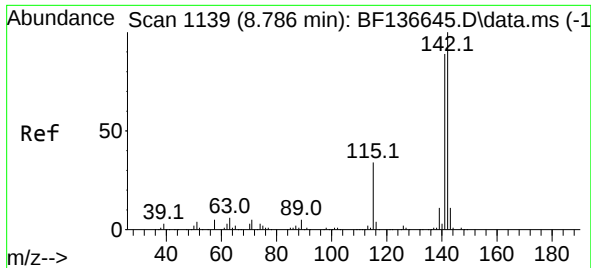
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#31
Naphthalene
Concen: 4.372 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Tgt Ion:128 Resp: 37484
Ion Ratio Lower Upper
128 100
129 10.4 8.7 13.1
127 13.4 10.8 16.2





#37
2-Methylnaphthalene
Concen: 4.651 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

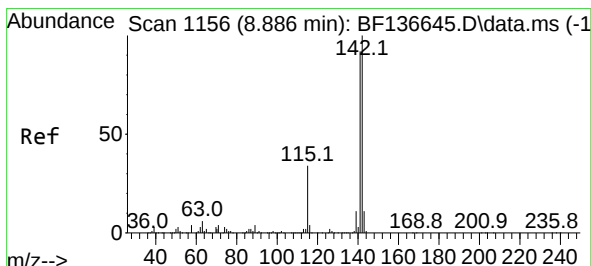
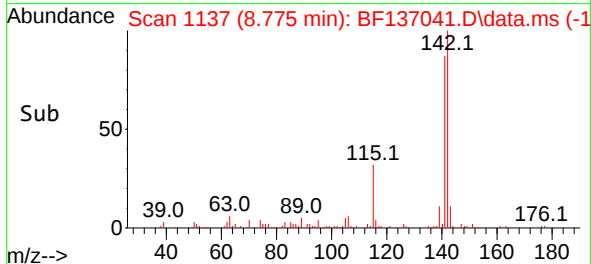
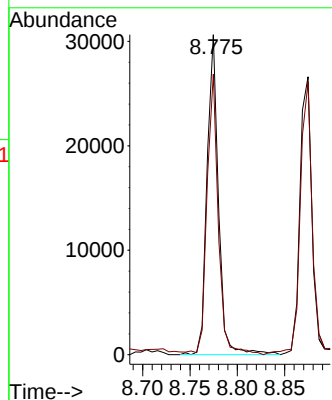
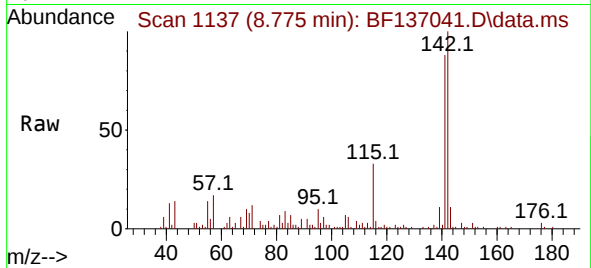
HD-01-010824DL

Tgt Ion:142 Resp: 2566
Ion Ratio Lower Upper
142 100
141 87.7 71.1 106.7

Manual Integrations

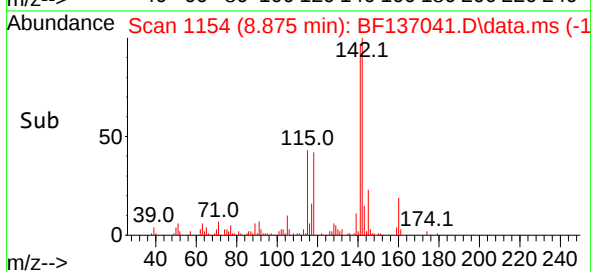
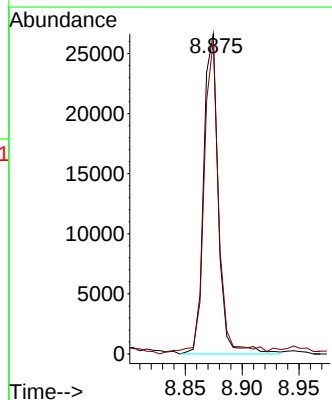
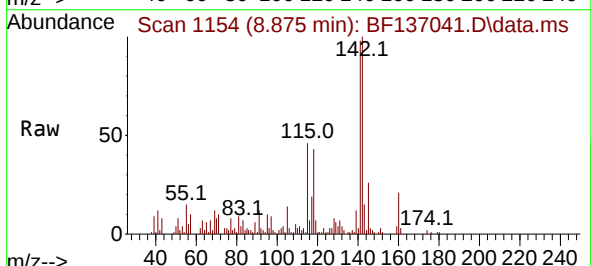
APPROVED

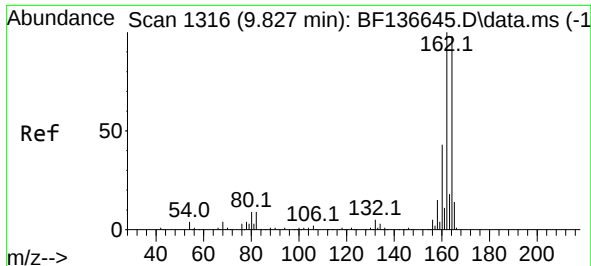
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#38
1-Methylnaphthalene
Concen: 4.429 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

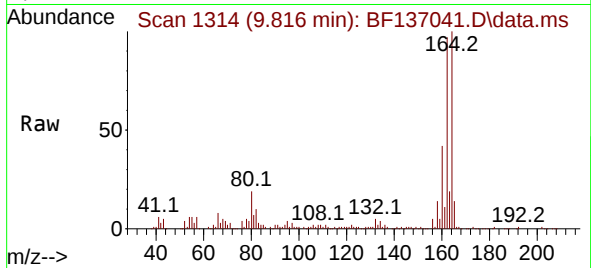
Tgt Ion:142 Resp: 23977
Ion Ratio Lower Upper
142 100
141 98.0 73.6 110.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

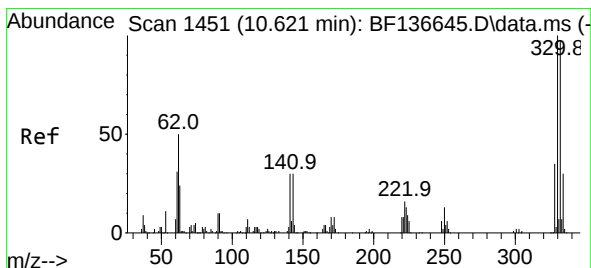
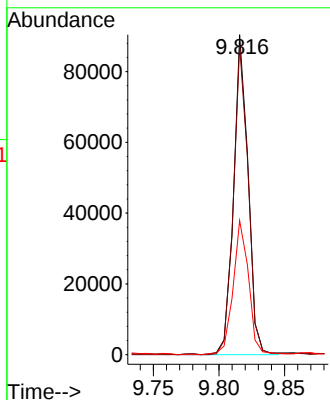
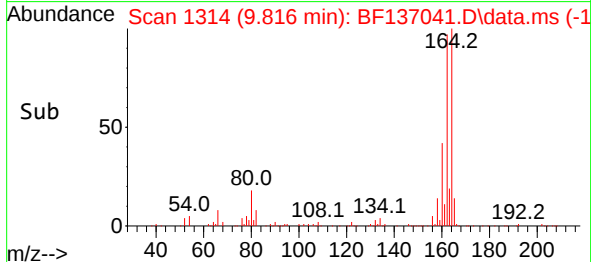
Instrument :
BNA_F
ClientSampleId :
HD-01-010824DL



Tgt Ion:164 Resp: 6972
Ion Ratio Lower Upper
164 100
162 96.5 81.6 122.4
160 41.9 34.9 52.3

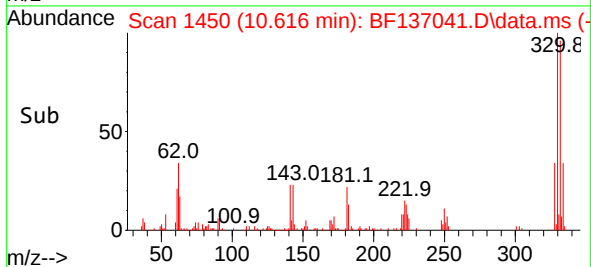
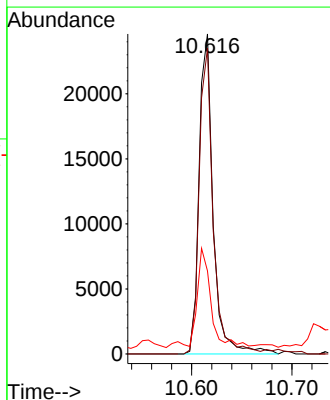
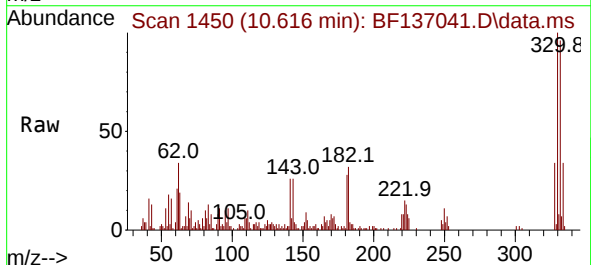
Manual Integrations
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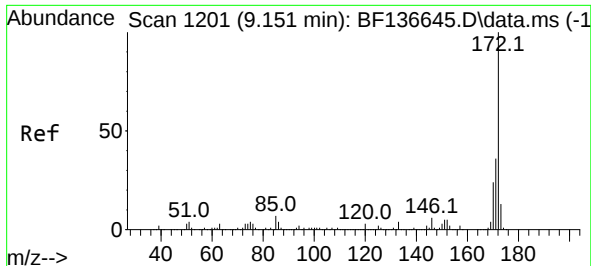
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#42
2,4,6-Tribromophenol
Concen: 29.167 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Tgt Ion:330 Resp: 23950
Ion Ratio Lower Upper
330 100
332 95.5 77.4 116.0
141 31.7 23.4 35.2





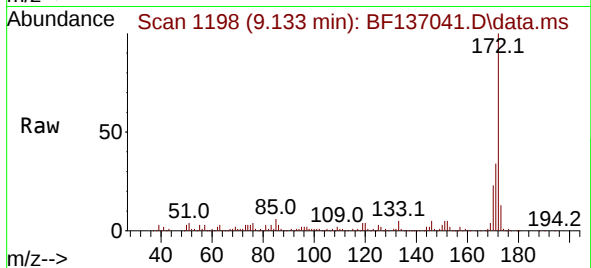
#45
2-Fluorobiphenyl
Concen: 21.472 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

HD-01-010824DL

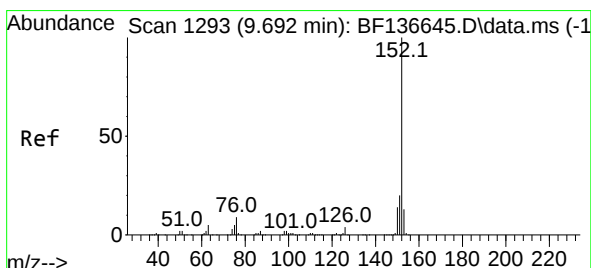
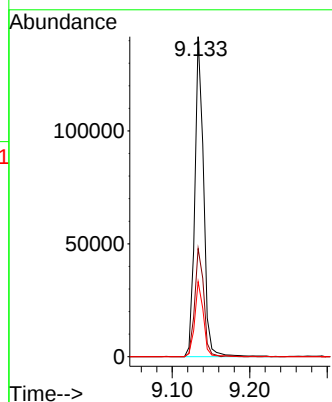
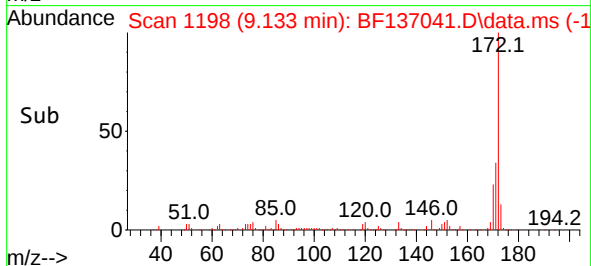


Tgt Ion:172 Resp: 111305
Ion Ratio Lower Upper
172 100
171 33.8 29.0 43.6
170 23.5 19.0 28.4

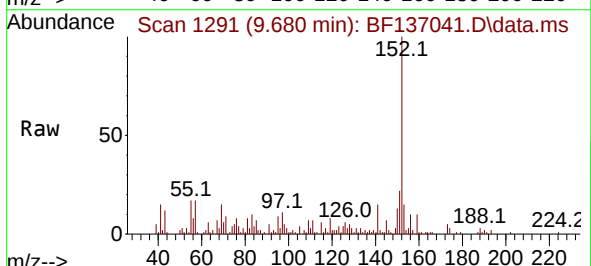
Manual Integrations

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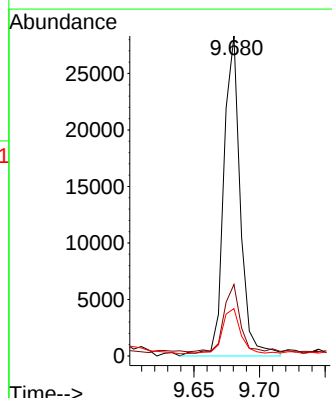
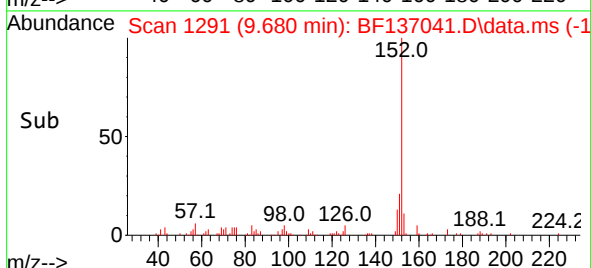
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024

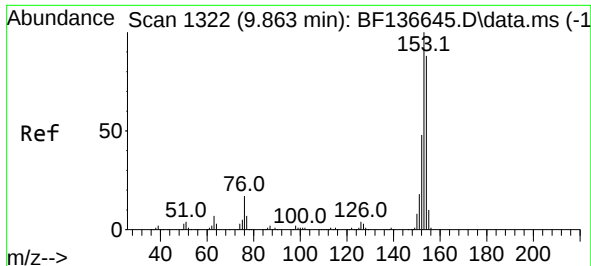


#49
Acenaphthylene
Concen: 3.659 ng
RT: 9.680 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17



Tgt Ion:152 Resp: 24876
Ion Ratio Lower Upper
152 100
151 22.4 16.2 24.4
153 14.8 10.2 15.2





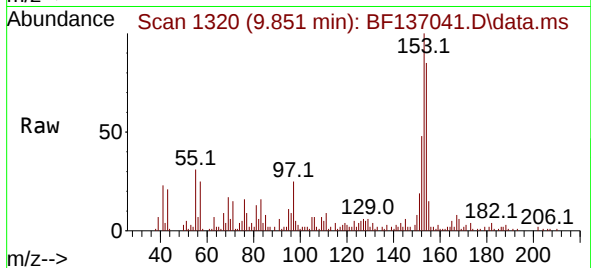
#52
Acenaphthene
Concen: 3.697 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Instrument :

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ClientSampleId :

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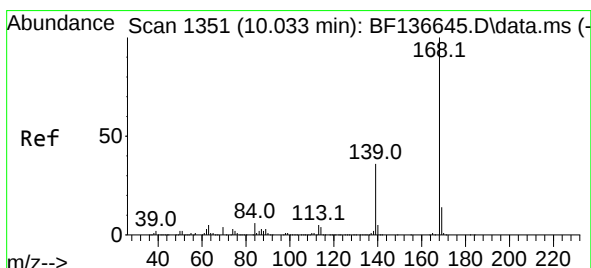
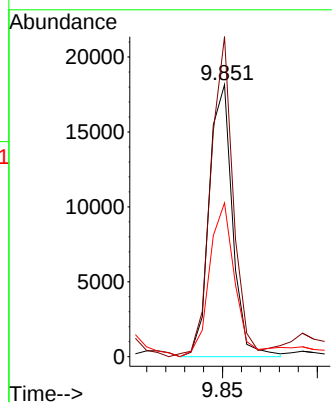
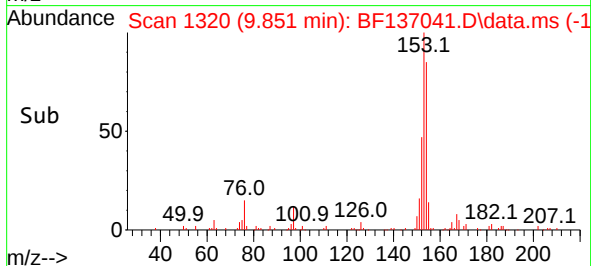


Tgt Ion:154 Resp: 1558
Ion Ratio Lower Upper
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153 117.7 90.7 136.1
152 56.5 43.7 65.5

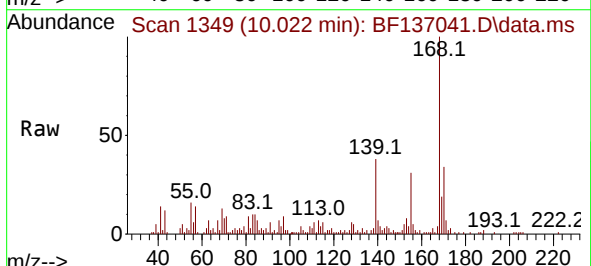
Manual Integrations

APPROVED

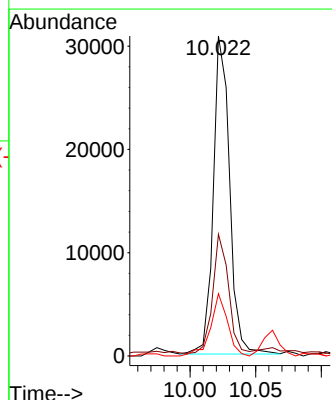
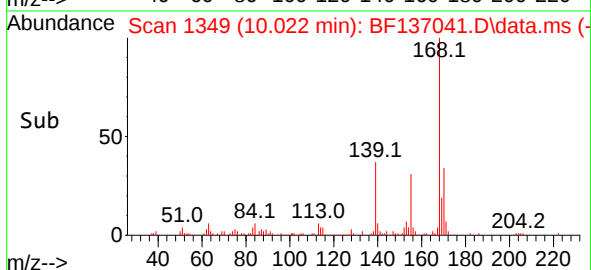
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024

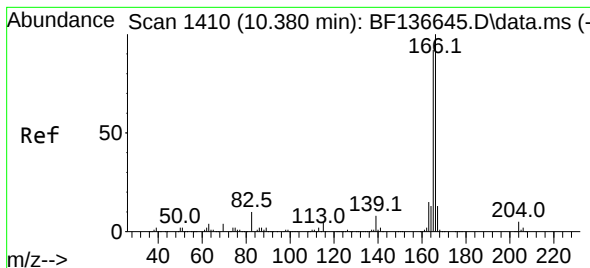


#55
Dibenzofuran
Concen: 4.164 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17



Tgt Ion:168 Resp: 26602
Ion Ratio Lower Upper
168 100
139 38.0 29.3 43.9
169 19.4 11.0 16.4#





#58

Fluorene

Concen: 7.992 ng

RT: 10.369 min Scan# 1410

Delta R.T. -0.012 min

Lab File: BF137041.D

Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

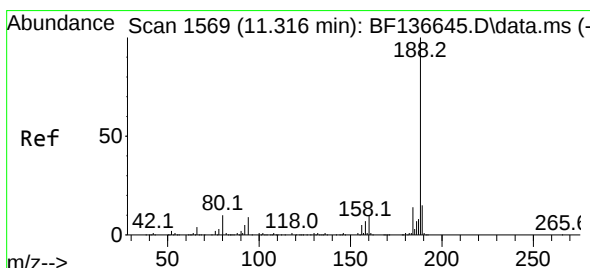
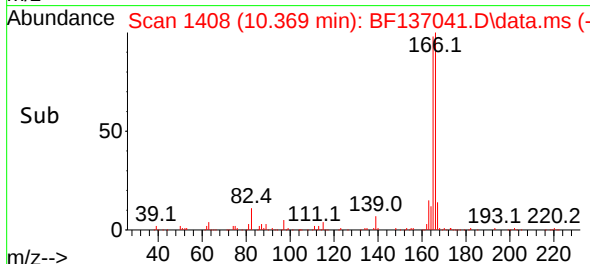
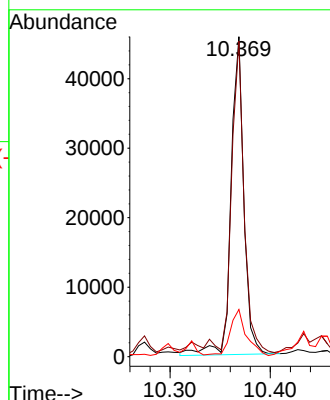
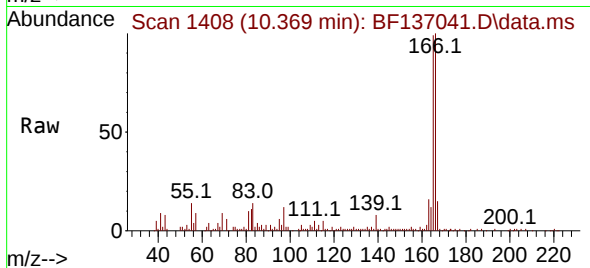
HD-01-010824DL

Tgt Ion:166	Resp: 4050
Ion Ratio	Lower Upper
166	100
165	98.6 73.7 110.5
167	14.7 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

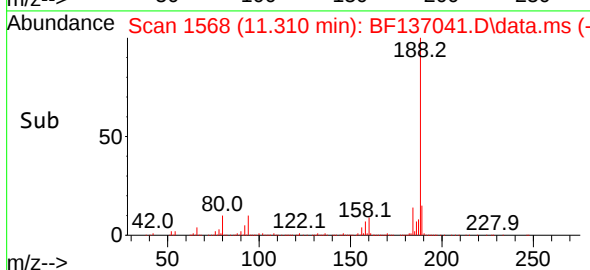
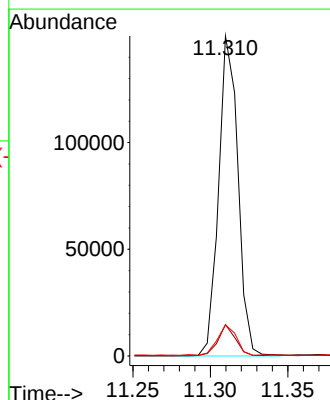
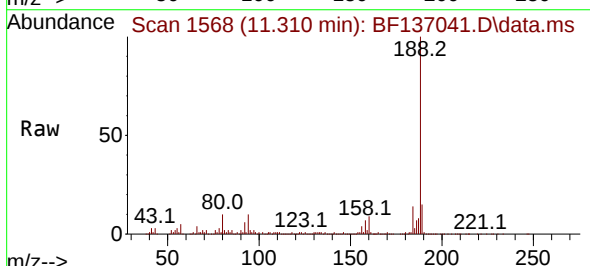
RT: 11.310 min Scan# 1568

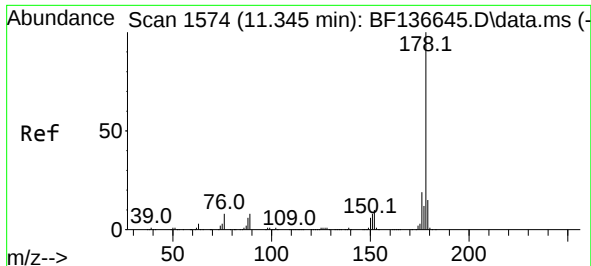
Delta R.T. -0.006 min

Lab File: BF137041.D

Acq: 11 Jan 2024 16:17

Tgt Ion:188	Resp: 130299
Ion Ratio	Lower Upper
188	100
94	9.8 7.5 11.3
80	9.7 8.1 12.1





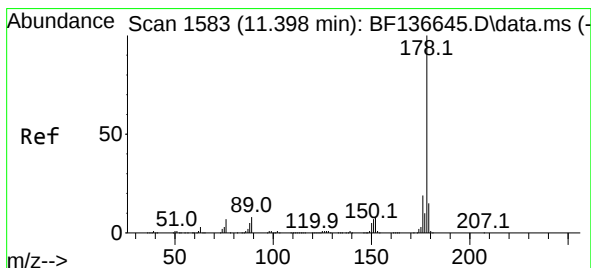
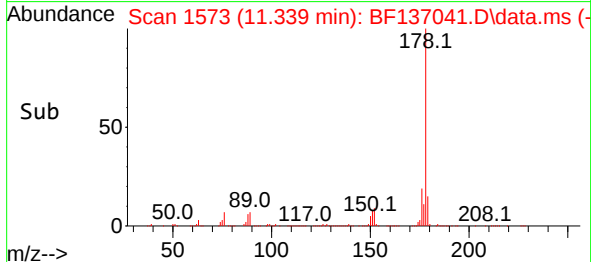
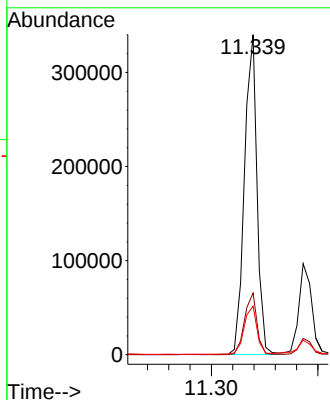
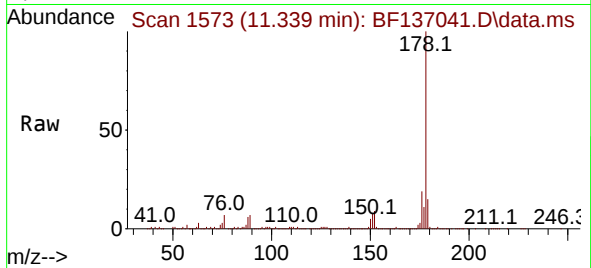
#71
Phenanthrene
Concen: 41.659 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Instrument :
BNA_F
ClientSampleId :
HD-01-010824DL

Tgt Ion:178 Resp: 27852
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.1 11.9 17.9

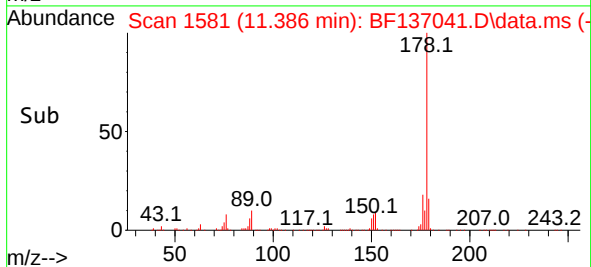
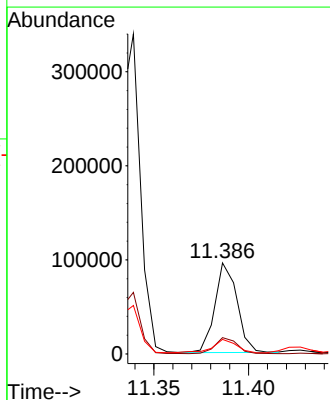
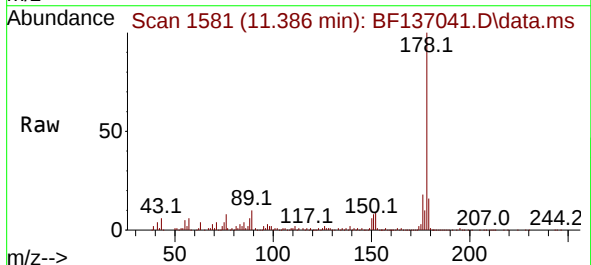
Manual Integrations
APPROVED

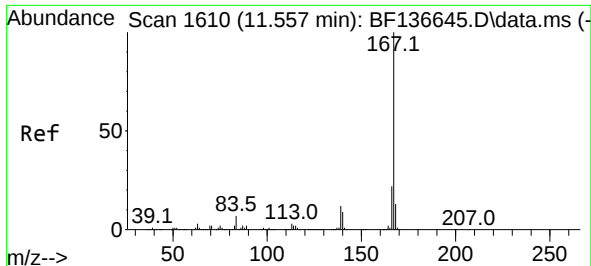
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#72
Anthracene
Concen: 11.521 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

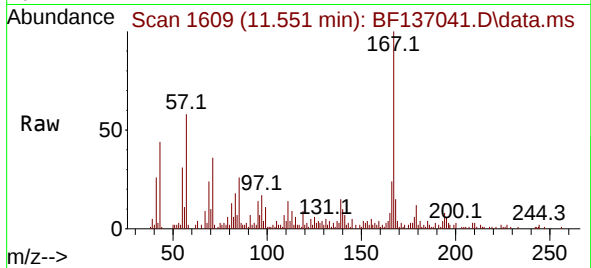
Tgt Ion:178 Resp: 78008
Ion Ratio Lower Upper
178 100
176 18.0 14.9 22.3
179 16.0 11.8 17.6





#73
 Carbazole
 Concen: 2.506 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137041.D
 Acq: 11 Jan 2024 16:17

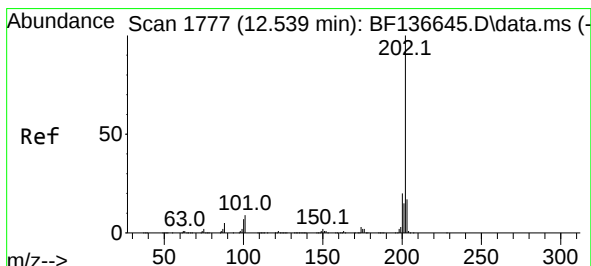
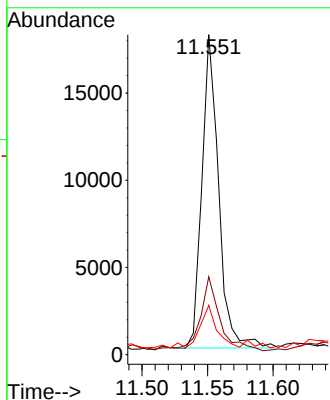
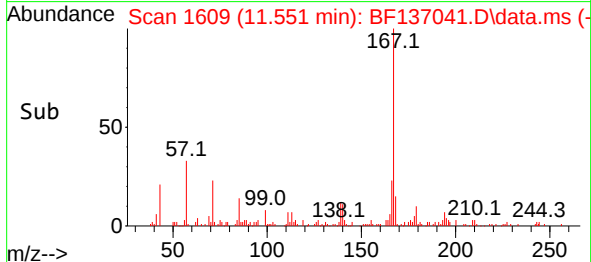
Instrument :
 BNA_F
 ClientSampleId :
 HD-01-010824DL



Tgt Ion:167 Resp: 1599
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.3 25.9
 139 15.4 9.8 14.6

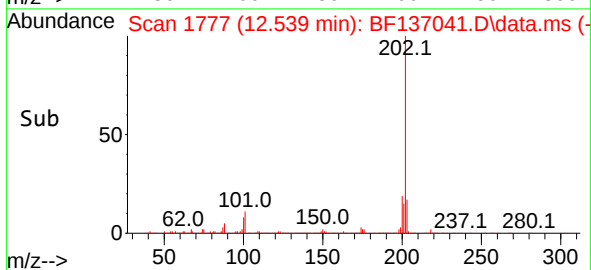
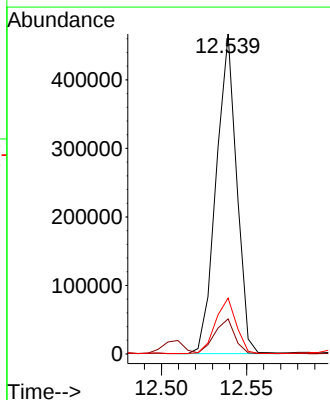
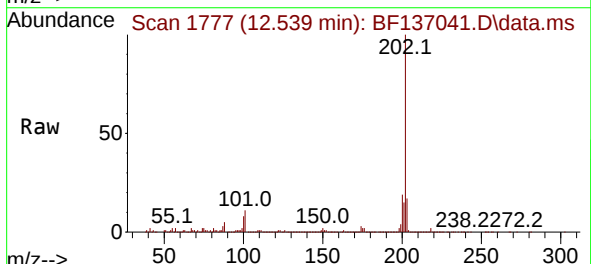
Manual Integrations
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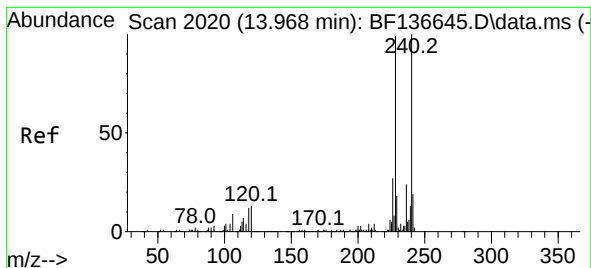
Reviewed By :Jagrut Upadhyay 01/12/2024
 Supervised By :mohammad ahmed 01/13/2024



#75
 Fluoranthene
 Concen: 54.619 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF137041.D
 Acq: 11 Jan 2024 16:17

Tgt Ion:202 Resp: 390602
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 29.3
 203 17.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF137041.D

Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

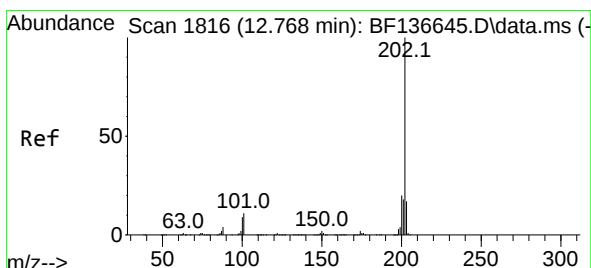
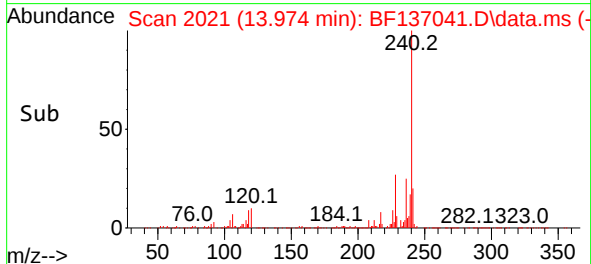
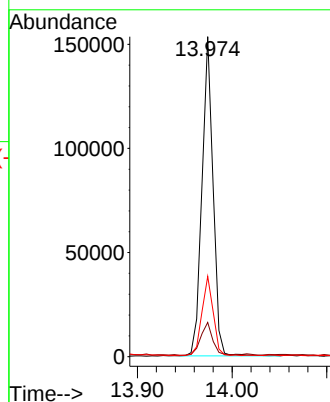
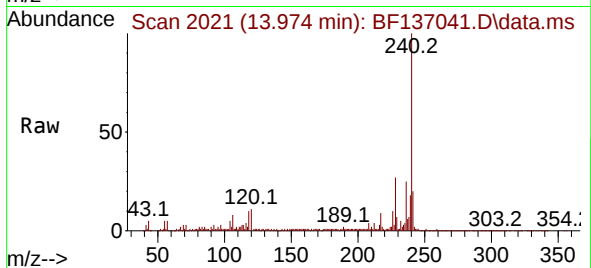
HD-01-010824DL

Tgt Ion:240 Resp: 124680
 Ion Ratio Lower Upper
 240 100
 120 10.7 10.3 15.5
 236 25.1 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
 Supervised By :mohammad ahmed 01/13/2024



#78

Pyrene

Concen: 27.305 ng

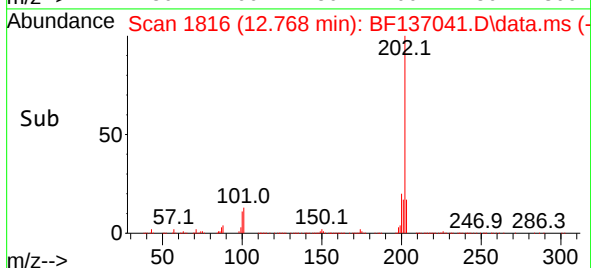
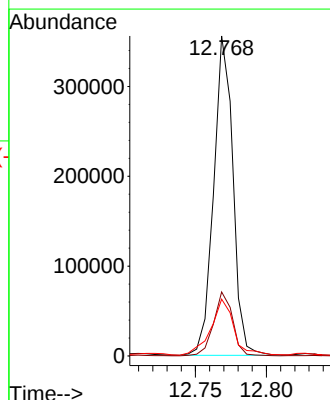
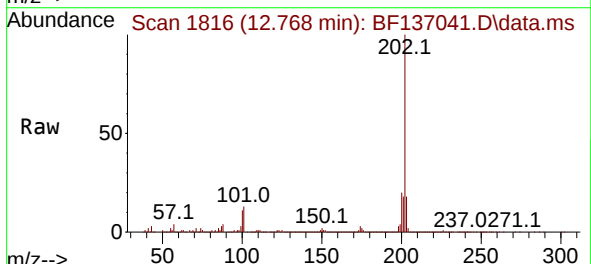
RT: 12.768 min Scan# 1816

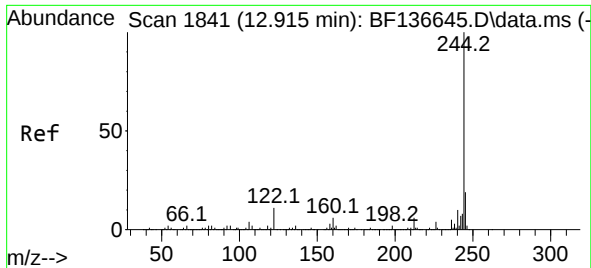
Delta R.T. 0.000 min

Lab File: BF137041.D

Acq: 11 Jan 2024 16:17

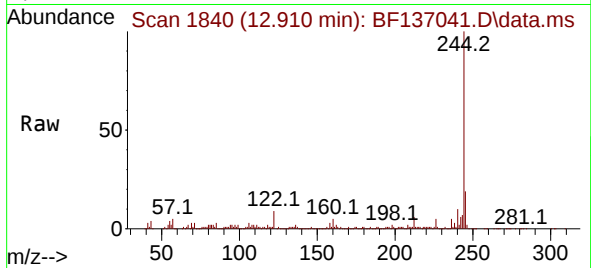
Tgt Ion:202 Resp: 334218
 Ion Ratio Lower Upper
 202 100
 200 20.0 15.9 23.9
 203 17.8 13.8 20.6





#79
Terphenyl-d14
Concen: 14.347 ng
RT: 12.910 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

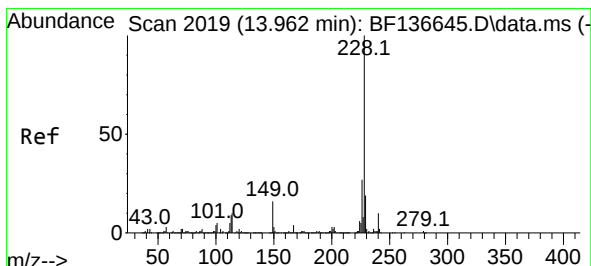
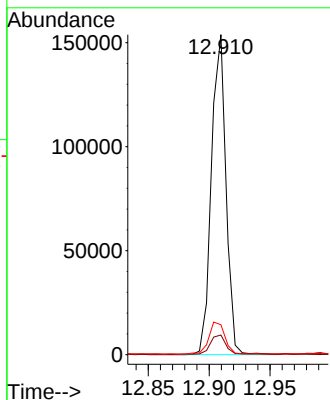
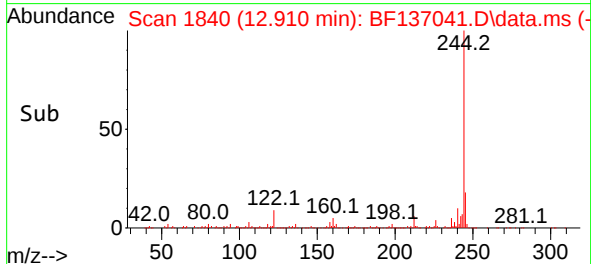
Instrument :
BNA_F
ClientSampleId :
HD-01-010824DL



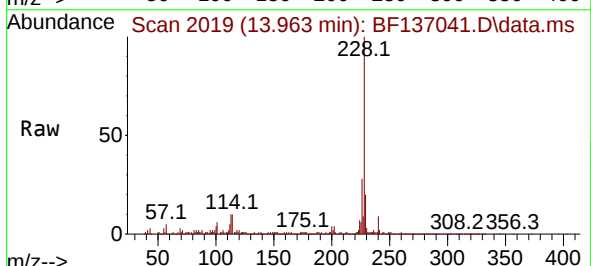
Tgt Ion:244 Resp: 128000
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 9.4 9.0 13.4

Manual Integrations
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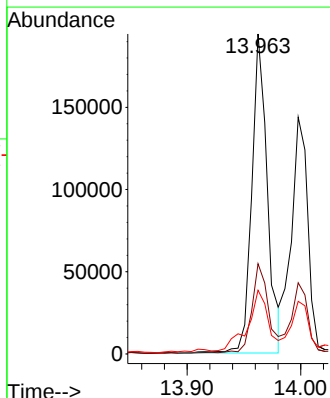
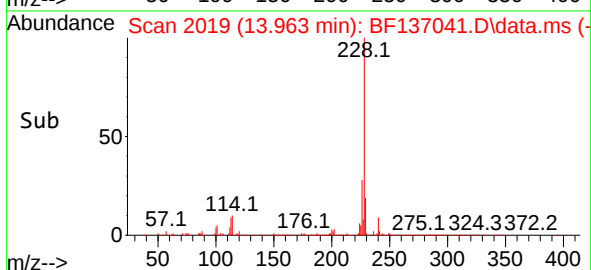
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024

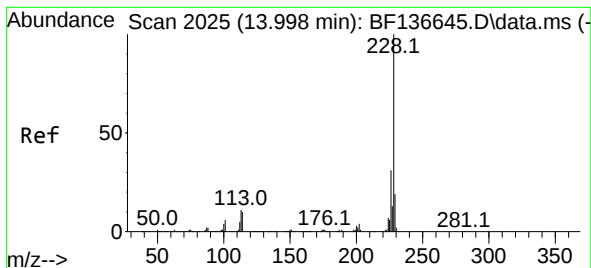


#81
Benzo(a)anthracene
Concen: 21.371 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17



Tgt Ion:228 Resp: 185030
Ion Ratio Lower Upper
228 100
226 28.2 21.4 32.0
229 19.9 14.9 22.3





#83

Chrysene

Concen: 17.247 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137041.D

Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

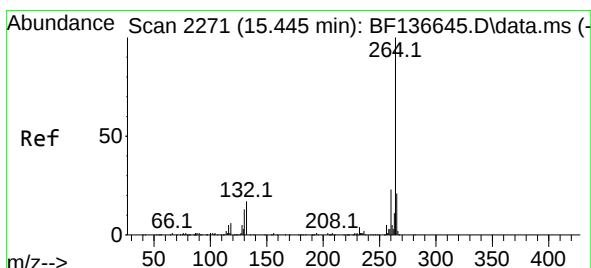
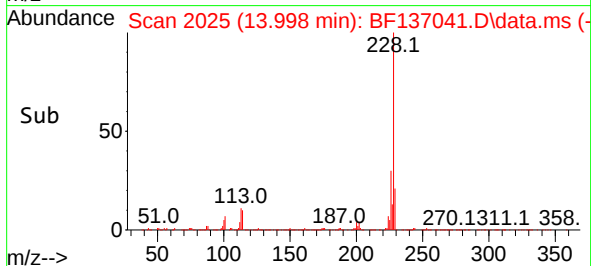
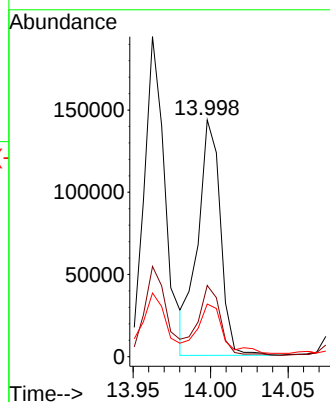
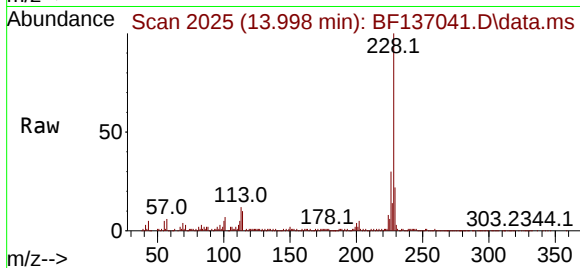
HD-01-010824DL

Tgt Ion:228 Resp: 14602
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.7 37.1
 229 22.2 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
 Supervised By :mohammad ahmed 01/13/2024



#86

Perylene-d12

Concen: 20.000 ng

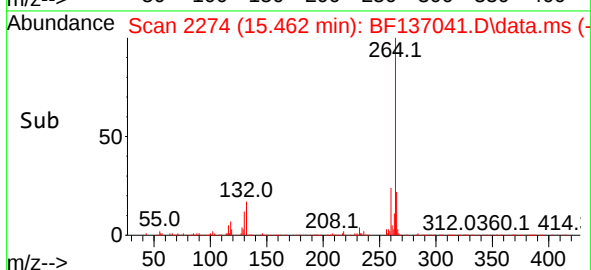
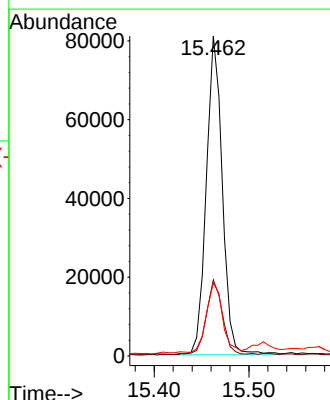
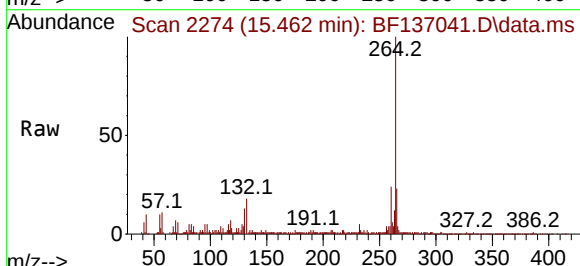
RT: 15.462 min Scan# 2274

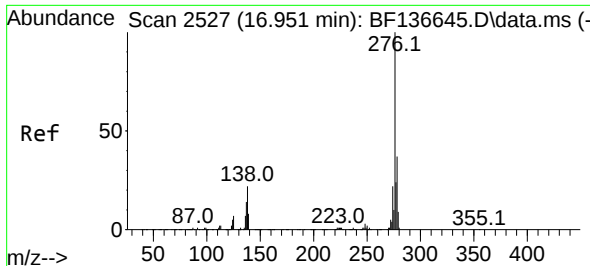
Delta R.T. 0.018 min

Lab File: BF137041.D

Acq: 11 Jan 2024 16:17

Tgt Ion:264 Resp: 94818
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.3 27.5
 265 22.8 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.684 ng
RT: 16.986 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

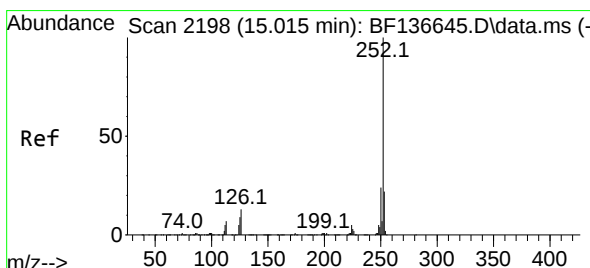
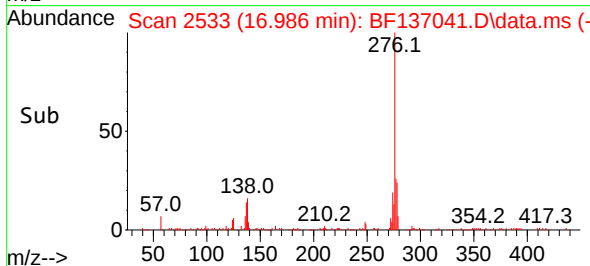
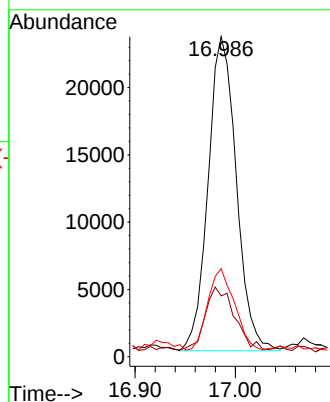
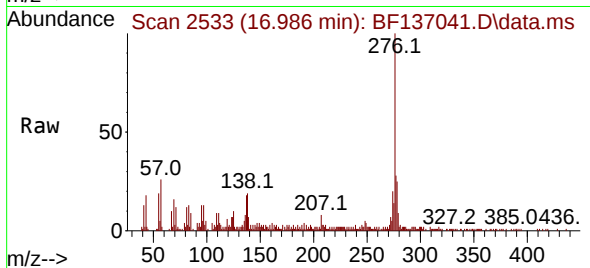
HD-01-010824DL

Tgt Ion:276 Resp: 4576
Ion Ratio Lower Upper
276 100
138 20.5 18.7 28.1
277 24.5 20.2 30.2

Manual Integrations

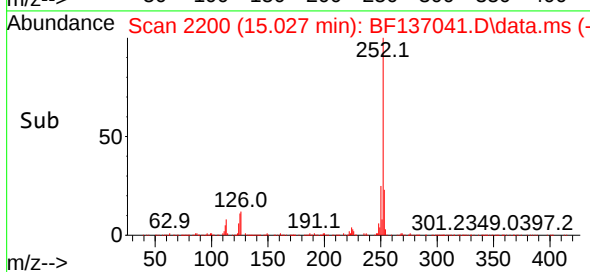
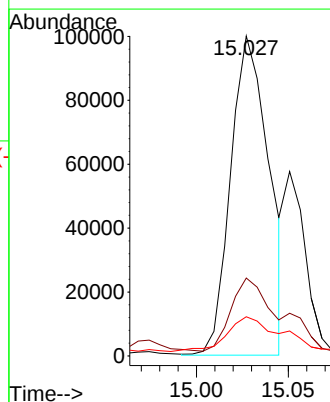
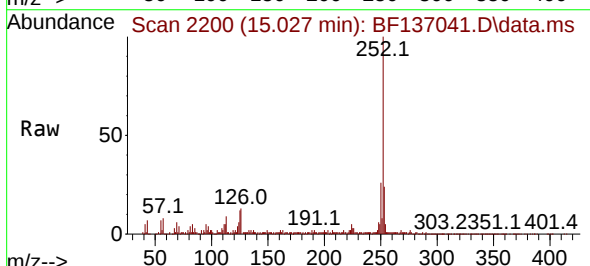
APPROVED

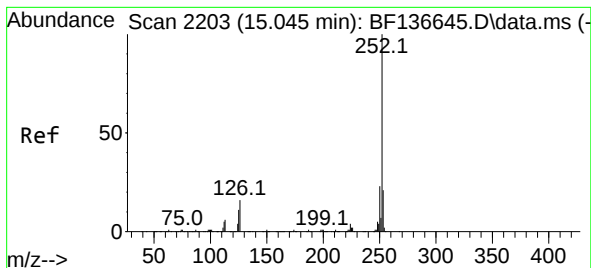
Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#88
Benzo(b)fluoranthene
Concen: 22.894 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Tgt Ion:252 Resp: 144986
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 12.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 7.721 ng m

RT: 15.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137041.D

Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

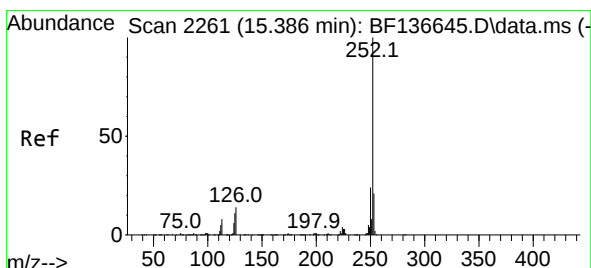
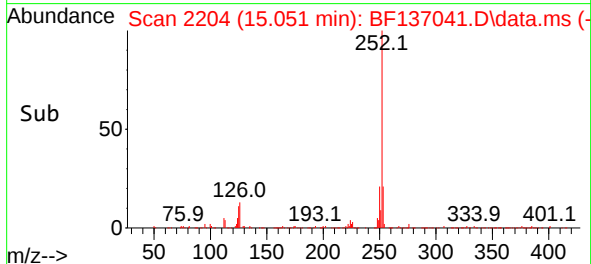
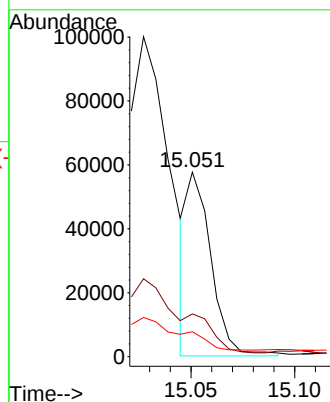
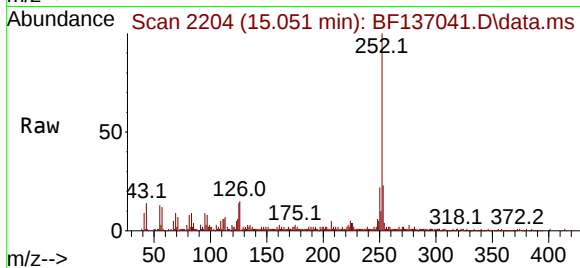
HD-01-010824DL

Tgt Ion:	252	Resp:	4620
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	13.6	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#90

Benzo(a)pyrene

Concen: 17.702 ng

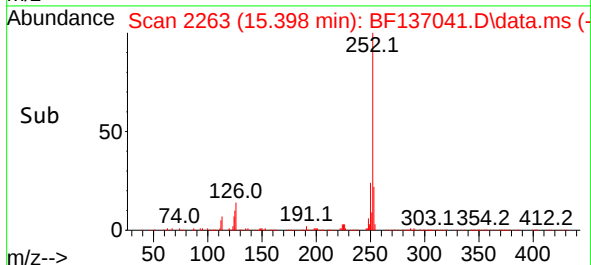
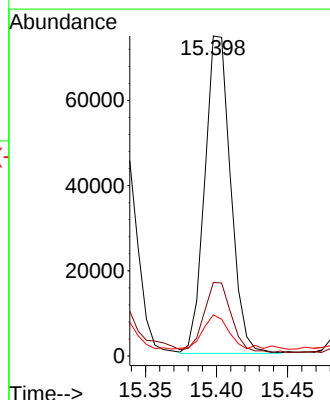
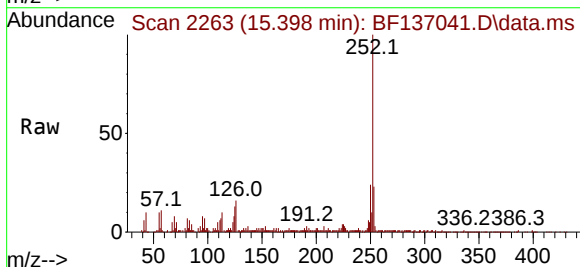
RT: 15.398 min Scan# 2263

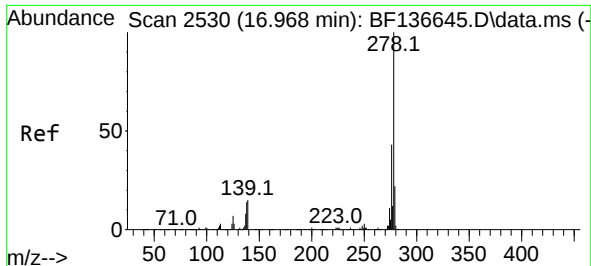
Delta R.T. 0.012 min

Lab File: BF137041.D

Acq: 11 Jan 2024 16:17

Tgt Ion:	252	Resp:	94630
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	12.8	8.8	13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.463 ng
RT: 16.992 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Instrument :

BNA_F

ClientSampleId :

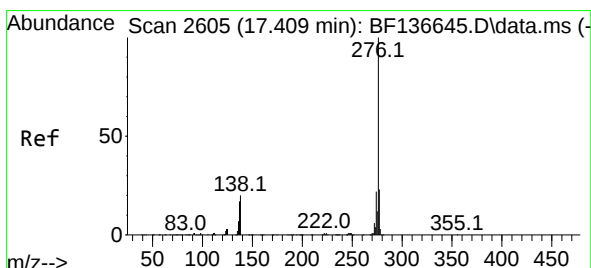
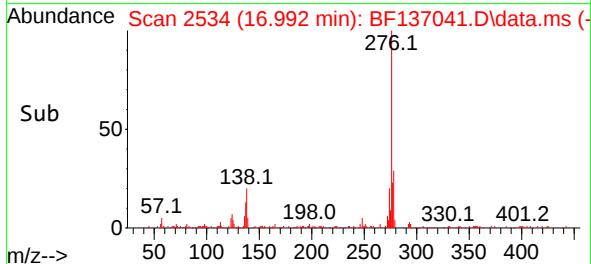
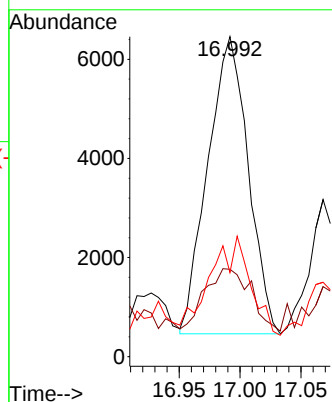
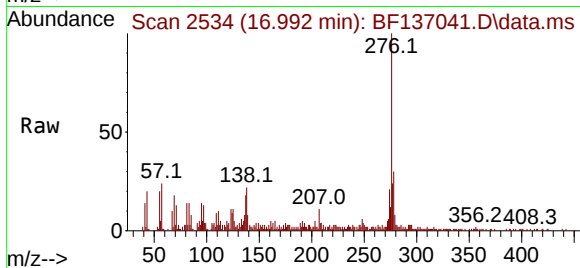
HD-01-010824DL

Tgt Ion:278 Resp: 1383
Ion Ratio Lower Upper
278 100
139 27.3 12.2 18.4#
279 26.3 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024
Supervised By :mohammad ahmed 01/13/2024



#92
Benzo(g,h,i)perylene
Concen: 6.801 ng
RT: 17.451 min Scan# 2612
Delta R.T. 0.041 min
Lab File: BF137041.D
Acq: 11 Jan 2024 16:17

Tgt Ion:276 Resp: 39122
Ion Ratio Lower Upper
276 100
277 27.5 18.3 27.5#
138 24.6 15.6 23.4#

