

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137065.D
 Acq On : 15 Jan 2024 16:10
 Operator : CG\JU
 Sample : P1135-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 360

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

Quant Time: Jan 15 16:37:24 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	6.787	152	44952	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	159189	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	76070	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	143209	20.000	ng	0.00
76) Chrysene-d12	13.968	240	138231	20.000	ng	0.00
86) Perylene-d12	15.462	264	135573	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	234349	81.343	ng	0.00
7) Phenol-d6	6.434	99	274965	73.656	ng	0.00
23) Nitrobenzene-d5	7.345	82	163959	52.704	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	70319	78.490	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	300976	53.215	ng	-0.02
79) Terphenyl-d14	12.904	244	337880	34.159	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.086	128	820647	93.837	ng	100
37) 2-Methylnaphthalene	8.775	142	169335	30.086	ng	99
38) 1-Methylnaphthalene	8.875	142	98758	17.885	ng	99
46) 1,1'-Biphenyl	9.239	154	46557	7.293	ng	97
52) Acenaphthene	9.851	154	130396	28.360	ng	98
55) Dibenzofuran	10.022	168	186095	26.700	ng	100
58) Fluorene	10.369	166	129711	23.455	ng	99
71) Phenanthrene	11.339	178	484452	65.928	ng	99
72) Anthracene	11.386	178	42986	5.776	ng	99
73) Carbazole	11.551	167	57350	8.174	ng	99
75) Fluoranthene	12.533	202	237312	30.192	ng	99
78) Pyrene	12.763	202	163391	12.041	ng	98
81) Benzo(a)anthracene	13.963	228	27048	2.818	ng	98
83) Chrysene	13.998	228	25683m	2.736	ng	

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

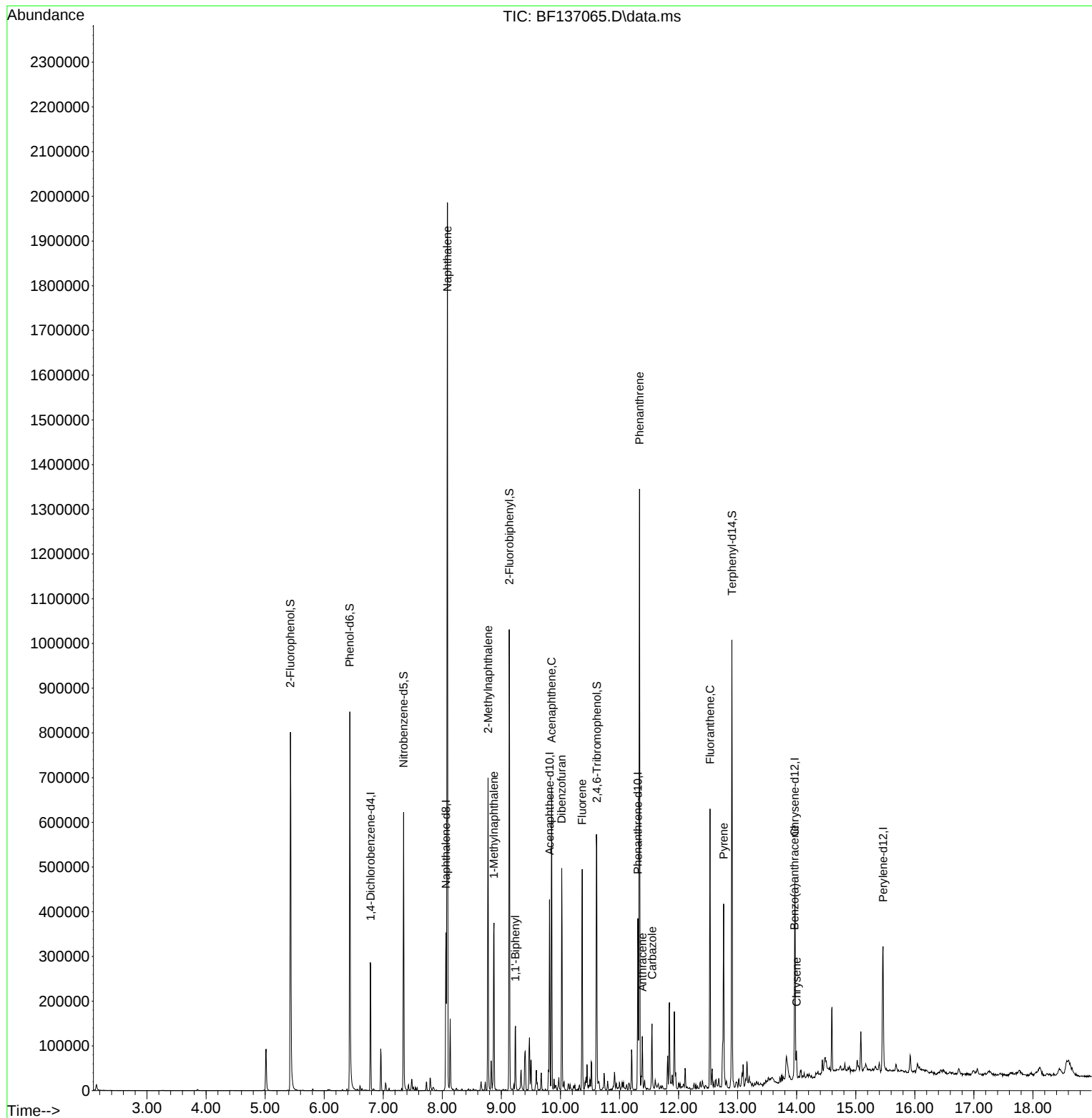
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
Data File : BF137065.D
Acq On : 15 Jan 2024 16:10
Operator : CG\JU
Sample : P1135-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

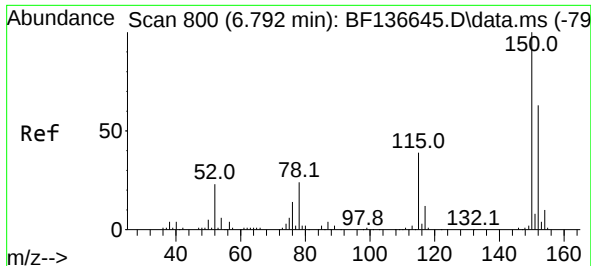
Instrument :
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360

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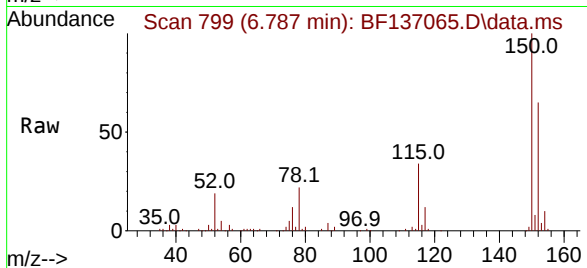
Quant Time: Jan 15 16:37:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

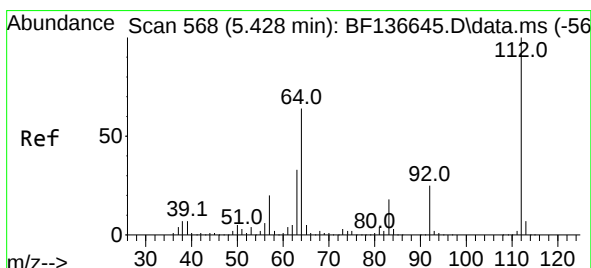
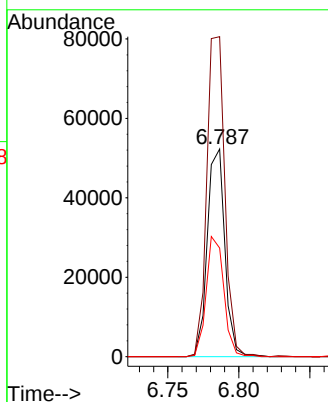
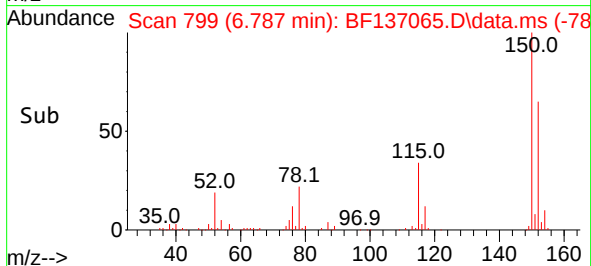
Instrument :
BNA_F
ClientSampleId :
360



Tgt Ion:152 Resp: 44952
Ion Ratio Lower Upper
152 100
150 154.1 127.0 190.6
115 52.3 49.0 73.4

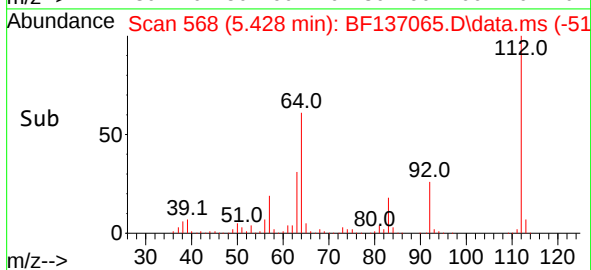
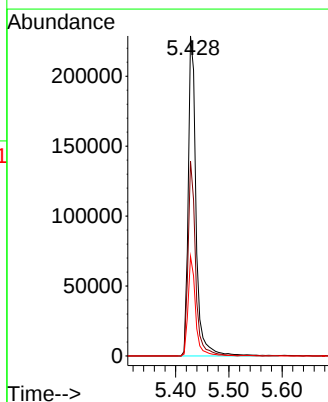
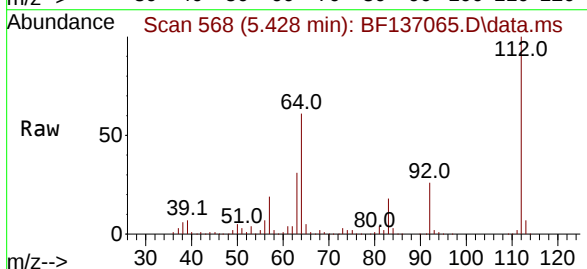
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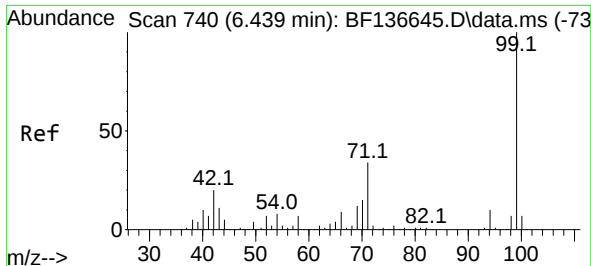
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#5
2-Fluorophenol
Concen: 81.343 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

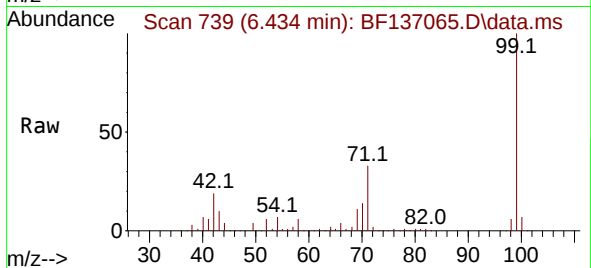
Tgt Ion:112 Resp: 234349
Ion Ratio Lower Upper
112 100
64 60.9 51.1 76.7
63 31.1 26.1 39.1





#7
Phenol-d6
Concen: 73.656 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

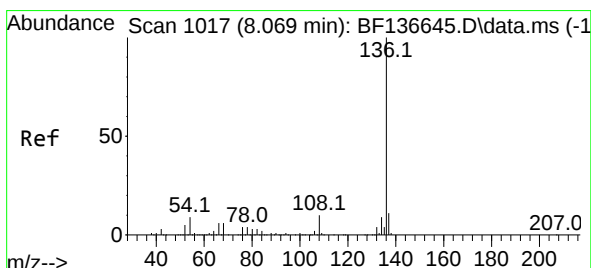
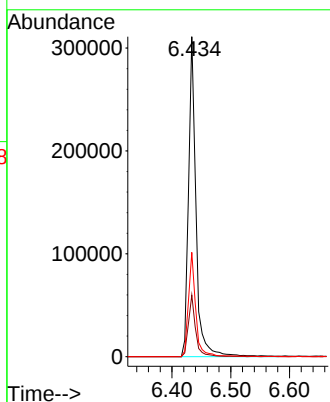
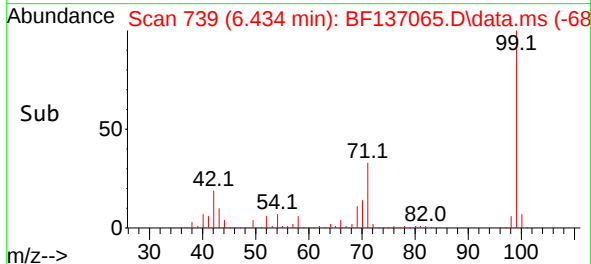
Instrument :
BNA_F
ClientSampleId :
360



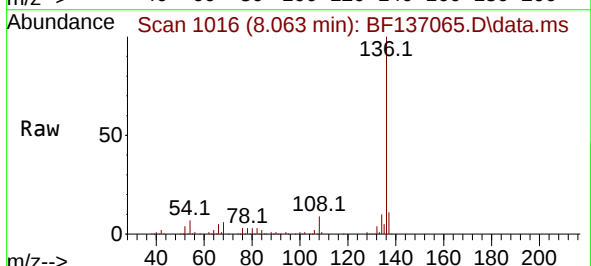
Tgt Ion: 99 Resp: 27496
Ion Ratio Lower Upper
99 100
42 19.2 16.1 24.1
71 32.6 27.4 41.2

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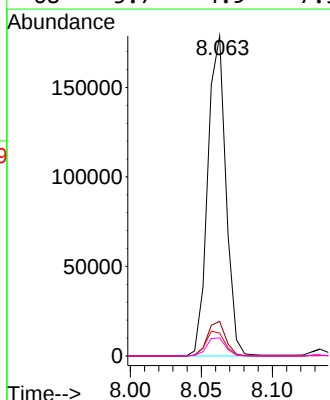
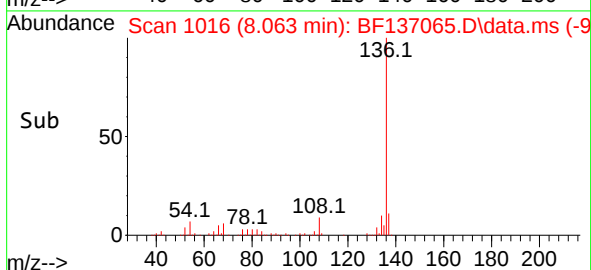
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

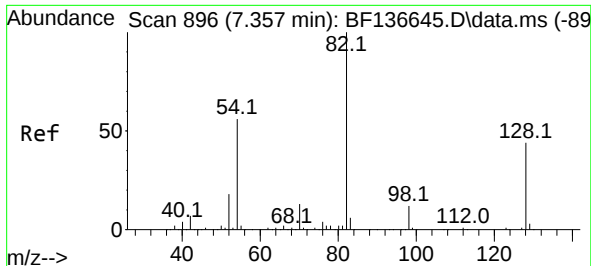


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10



Tgt Ion:136 Resp: 159189
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 7.1 7.2 10.8#
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 52.704 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

360

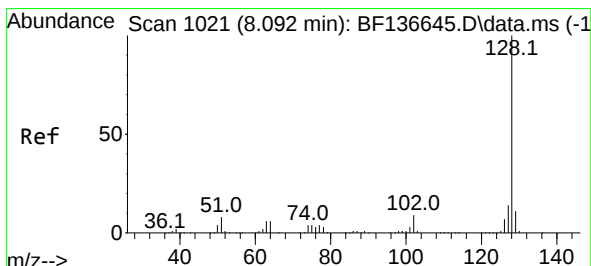
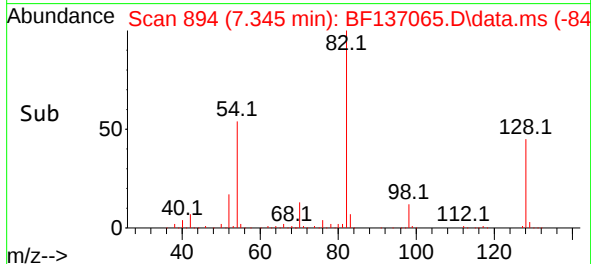
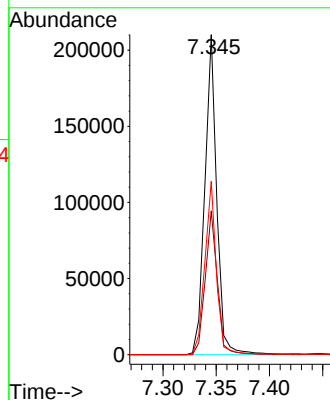
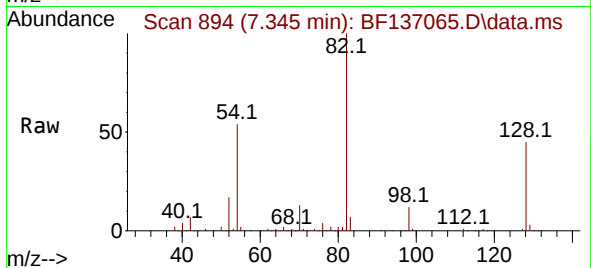
Tgt Ion: 82 Resp: 16395

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.3	52.9
54	54.2	44.5	66.7

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#31

Naphthalene

Concen: 93.837 ng

RT: 8.086 min Scan# 1020

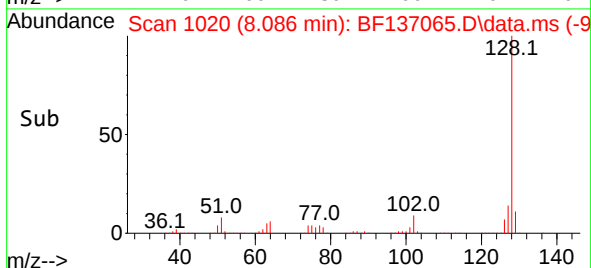
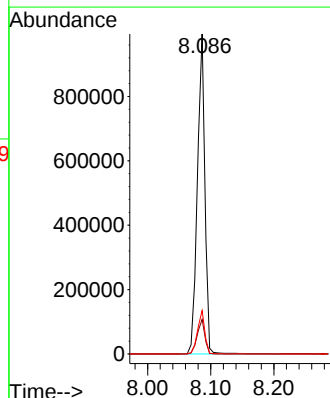
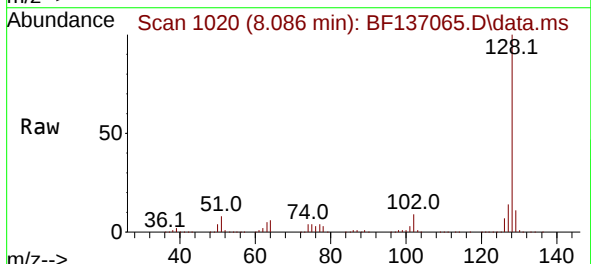
Delta R.T. -0.006 min

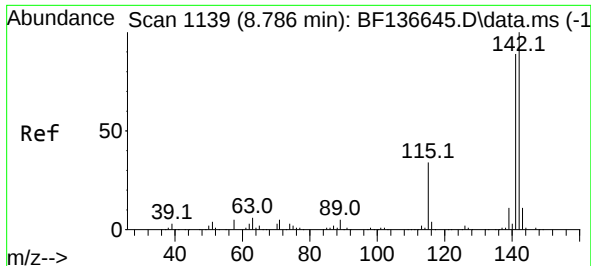
Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Tgt Ion:128 Resp: 820647

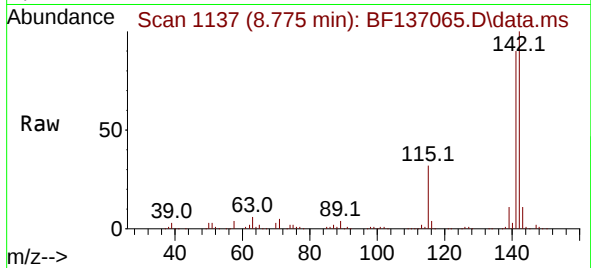
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.6	10.8	16.2





#37
2-Methylnaphthalene
Concen: 30.086 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

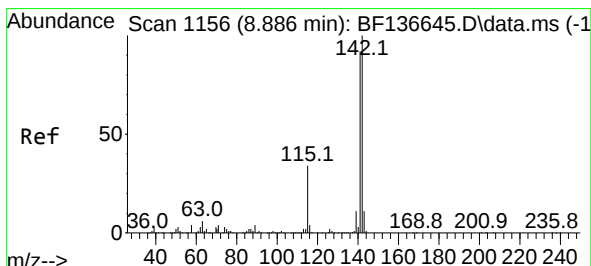
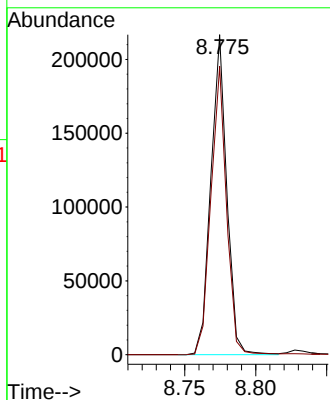
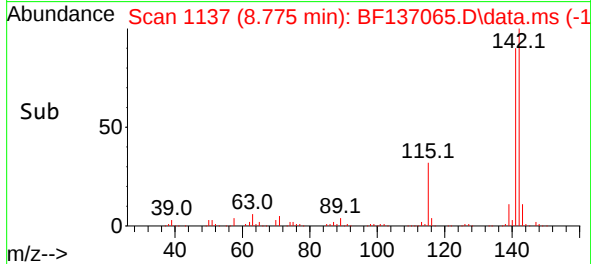
Instrument :
BNA_F
ClientSampleId :
360



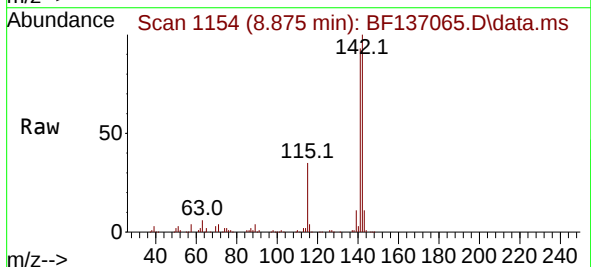
Tgt Ion:142 Resp: 16933
Ion Ratio Lower Upper
142 100
141 90.1 71.1 106.7

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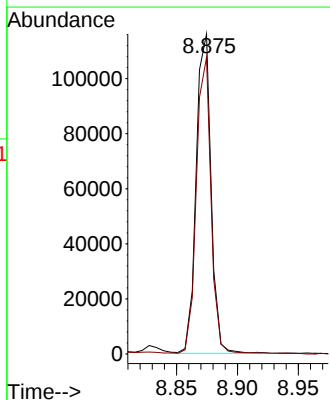
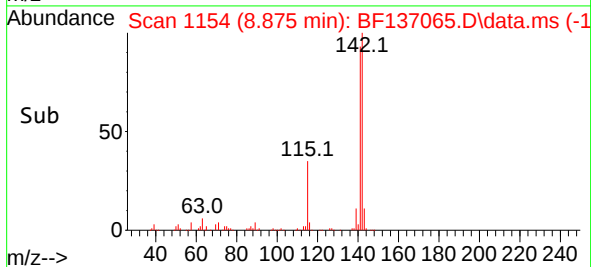
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

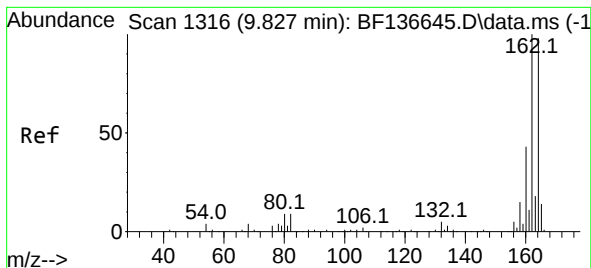


#38
1-Methylnaphthalene
Concen: 17.885 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10



Tgt Ion:142 Resp: 98758
Ion Ratio Lower Upper
142 100
141 92.6 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: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

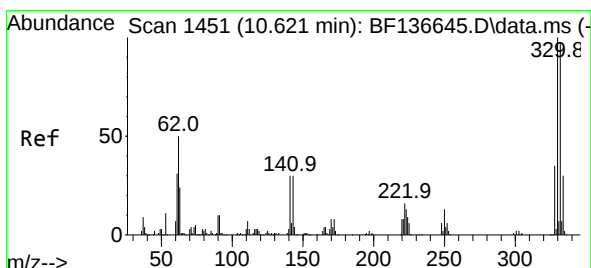
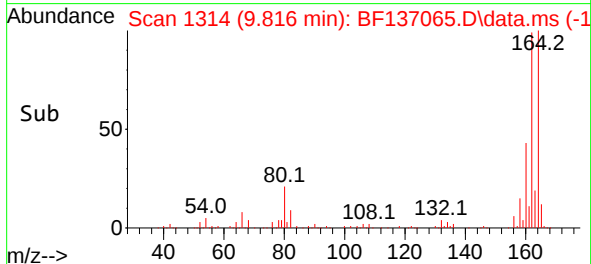
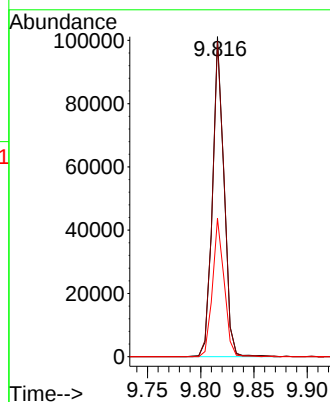
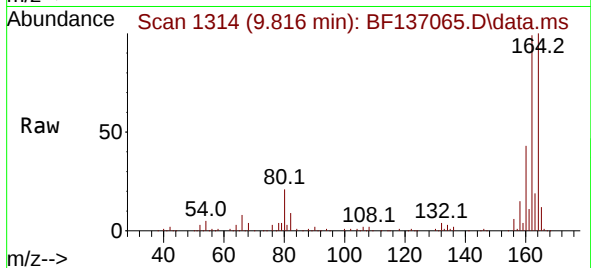
360

Tgt Ion:164	Resp:	76070
Ion Ratio	Lower	Upper
164	100	
162	98.7	81.6 122.4
160	43.2	34.9 52.3

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 78.490 ng

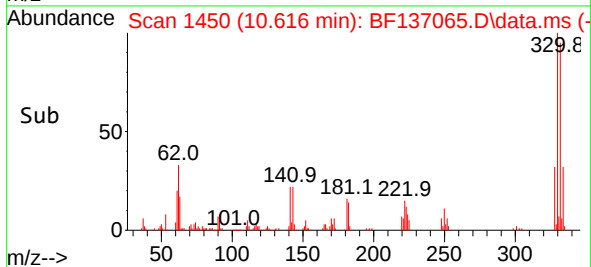
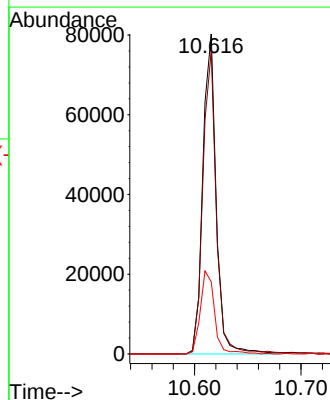
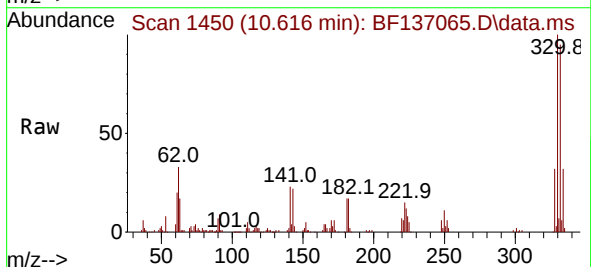
RT: 10.616 min Scan# 1450

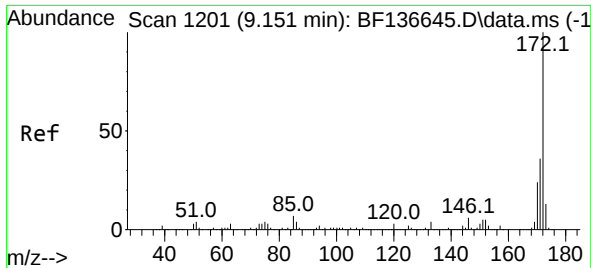
Delta R.T. -0.006 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Tgt Ion:330	Resp:	70319
Ion Ratio	Lower	Upper
330	100	
332	95.6	77.4 116.0
141	27.6	23.4 35.2





#45

2-Fluorobiphenyl

Concen: 53.215 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

360

Tgt Ion:172 Resp: 300970

Ion Ratio Lower Upper

172 100

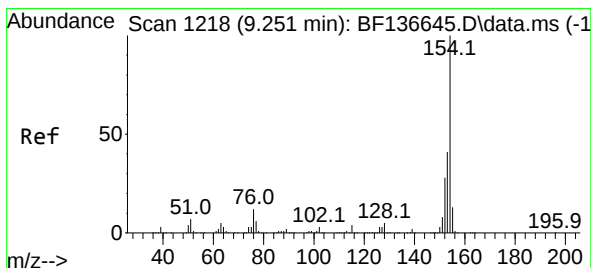
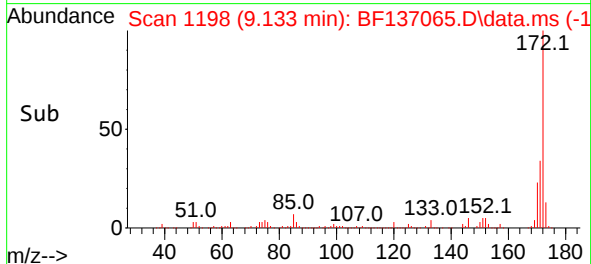
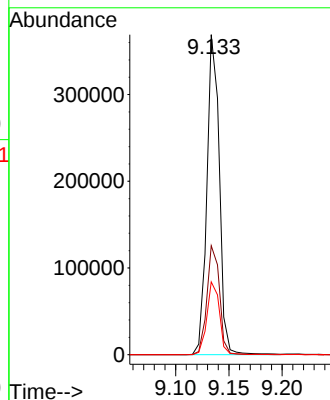
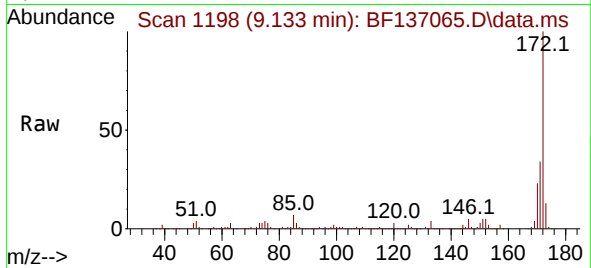
171 34.1 29.0 43.6

170 22.8 19.0 28.4

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Supervised By :mohammad ahmed 01/17/2024



#46

1,1'-Biphenyl

Concen: 7.293 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

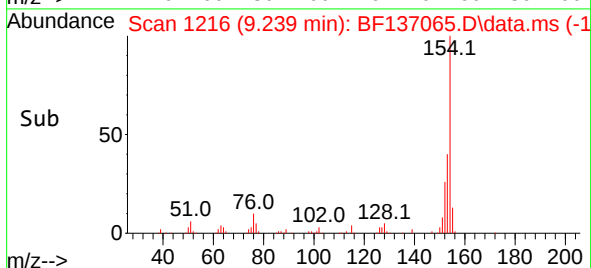
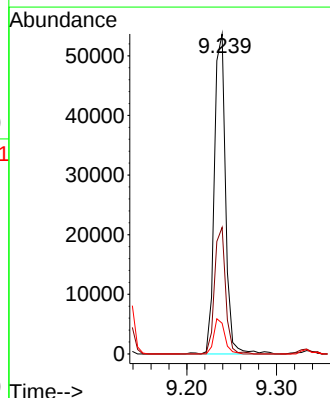
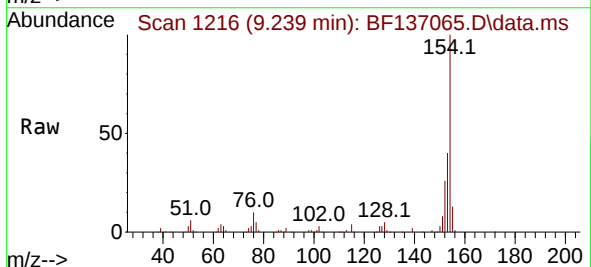
Tgt Ion:154 Resp: 46557

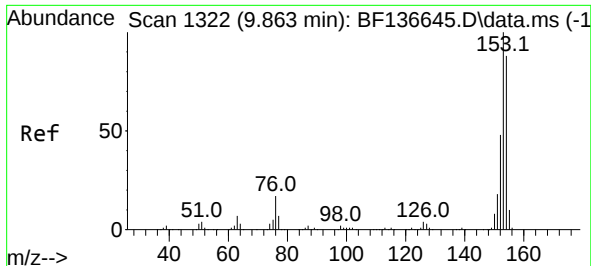
Ion Ratio Lower Upper

154 100

153 39.5 21.1 61.1

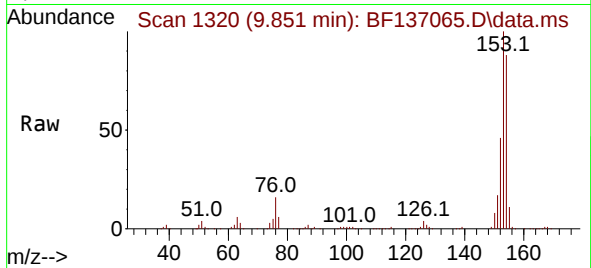
76 9.6 0.0 31.7





#52
Acenaphthene
Concen: 28.360 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

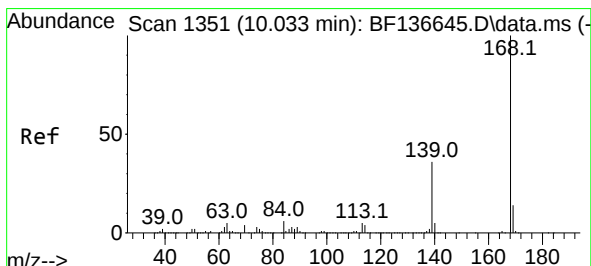
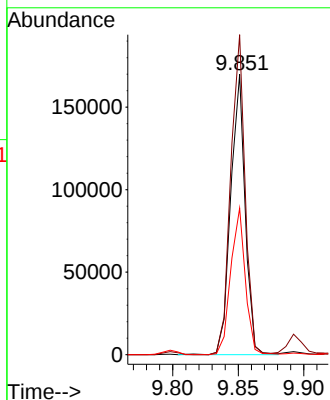
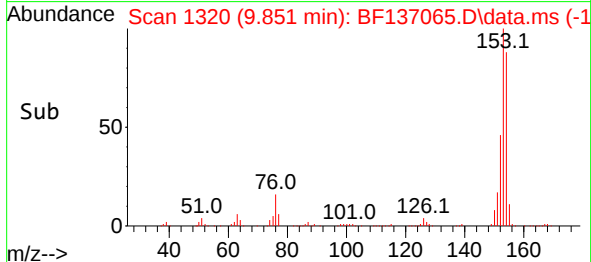
Instrument :
BNA_F
ClientSampleId :
360



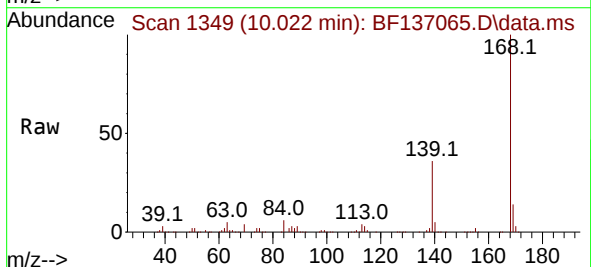
Tgt Ion:154 Resp: 130390
Ion Ratio Lower Upper
154 100
153 114.2 90.7 136.1
152 52.3 43.7 65.5

Manual Integrations
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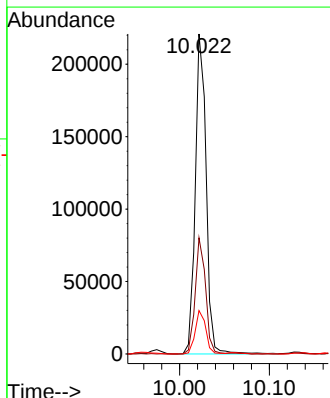
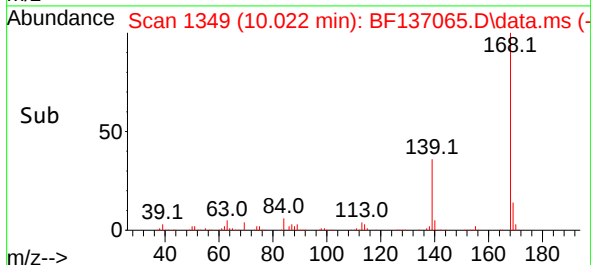
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

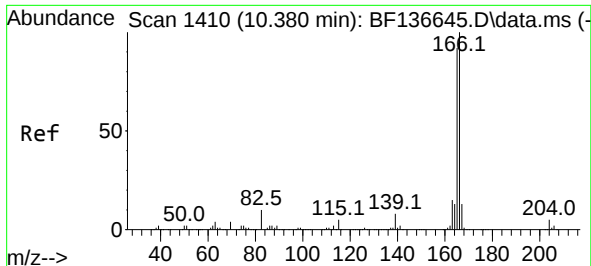


#55
Dibenzofuran
Concen: 26.700 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10



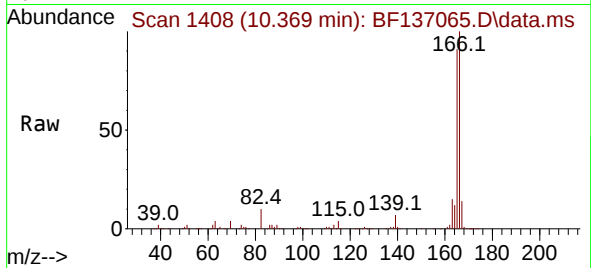
Tgt Ion:168 Resp: 186095
Ion Ratio Lower Upper
168 100
139 36.3 29.3 43.9
169 13.6 11.0 16.4





#58
Fluorene
Concen: 23.455 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

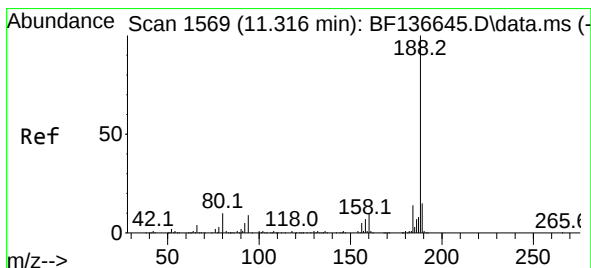
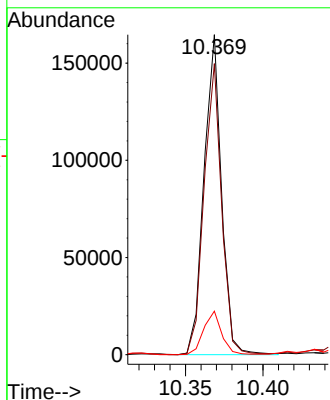
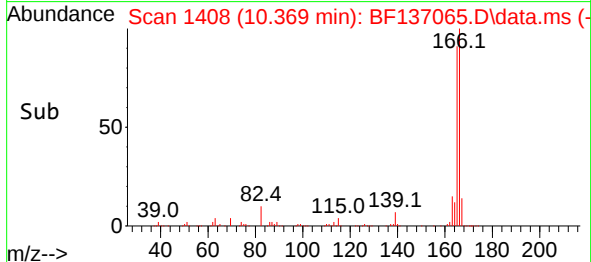
Instrument :
BNA_F
ClientSampleId :
360



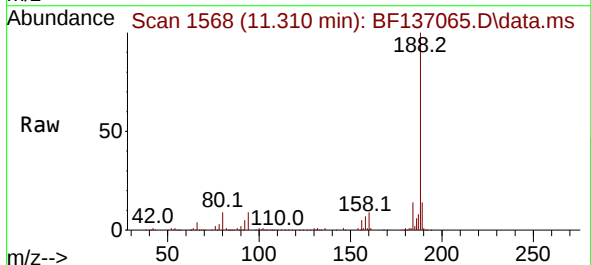
Tgt Ion:166 Resp: 12971
Ion Ratio Lower Upper
166 100
165 90.9 73.7 110.5
167 13.6 10.4 15.6

Manual Integrations
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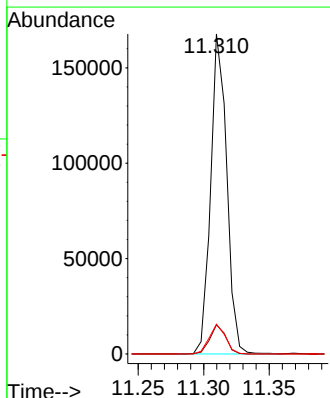
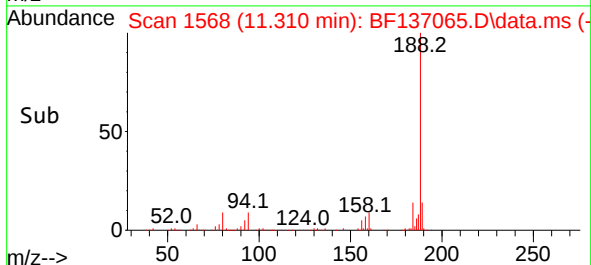
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

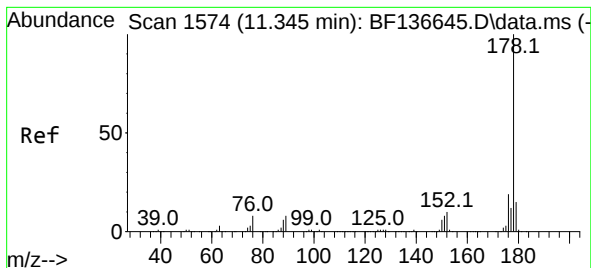


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10



Tgt Ion:188 Resp: 143209
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 9.3 8.1 12.1





#71

Phenanthrene

Concen: 65.928 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

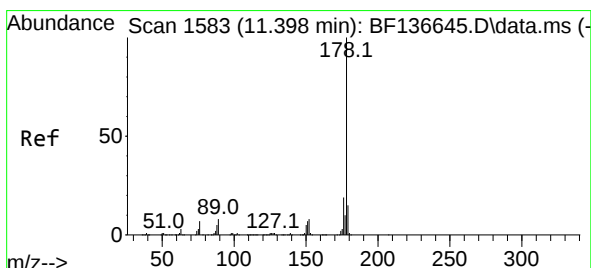
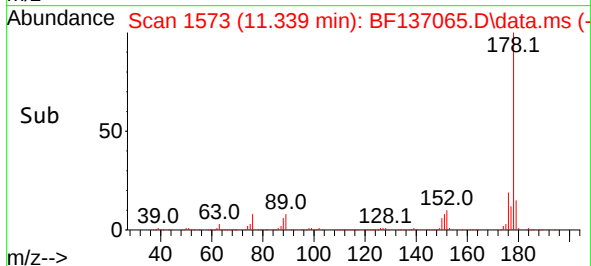
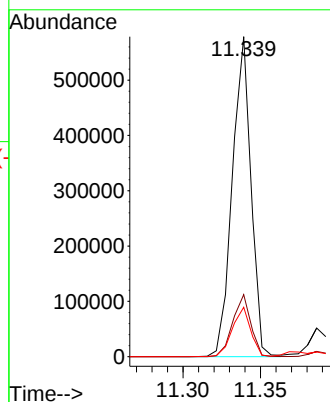
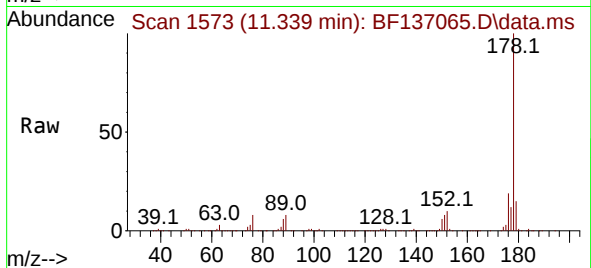
360

Tgt Ion:178 Resp: 484452
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.3 22.9
 179 15.4 11.9 17.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024



#72

Anthracene

Concen: 5.776 ng

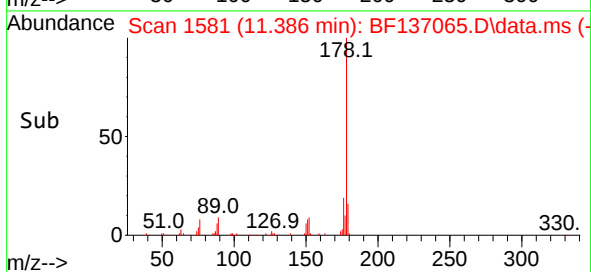
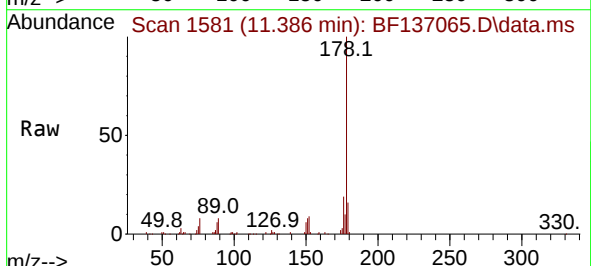
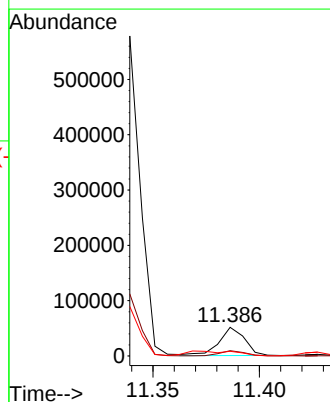
RT: 11.386 min Scan# 1581

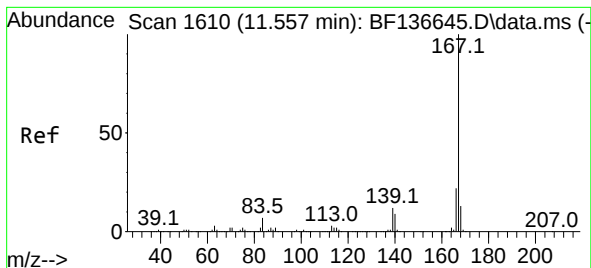
Delta R.T. -0.012 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Tgt Ion:178 Resp: 42986
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 15.9 11.8 17.6





#73

Carbazole

Concen: 8.174 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

Instrument :

BNA_F

ClientSampleId :

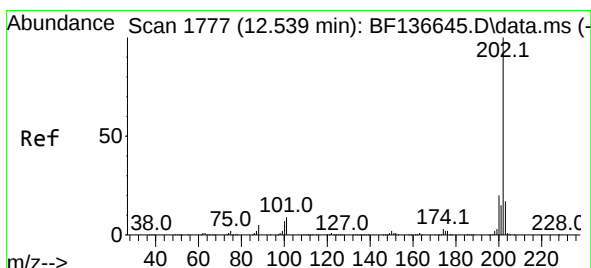
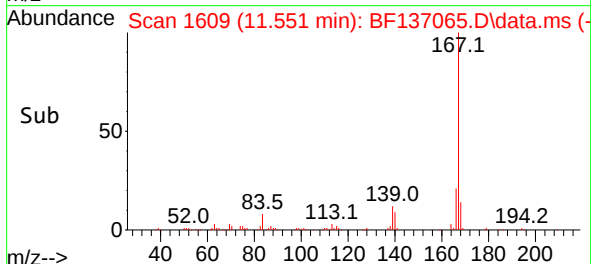
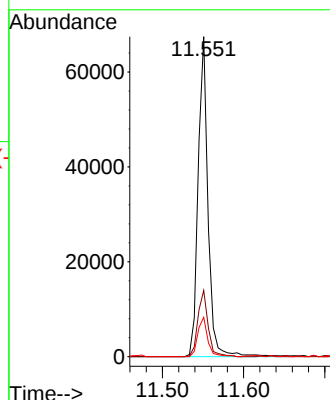
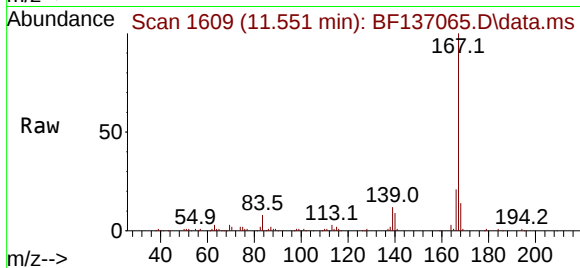
360

Tgt Ion:	167	Resp:	57350
Ion Ratio	Lower	Upper	
167	100		
166	20.7	17.3	25.9
139	12.3	9.8	14.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#75

Fluoranthene

Concen: 30.192 ng

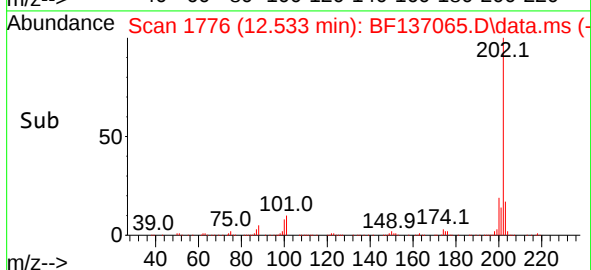
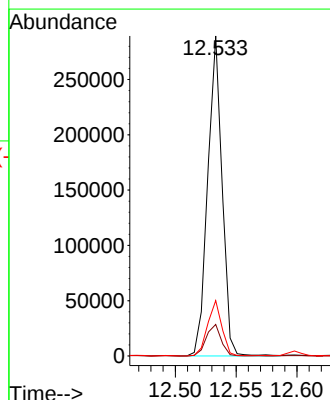
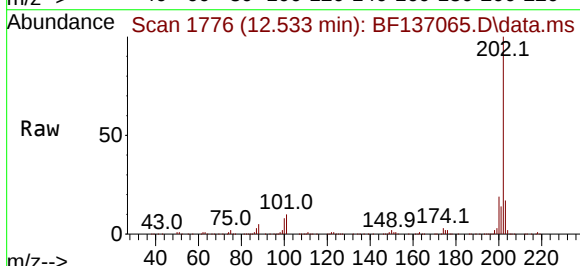
RT: 12.533 min Scan# 1776

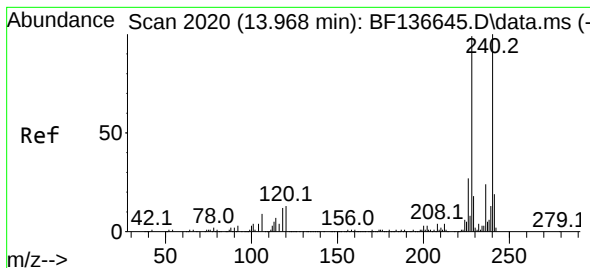
Delta R.T. -0.006 min

Lab File: BF137065.D

Acq: 15 Jan 2024 16:10

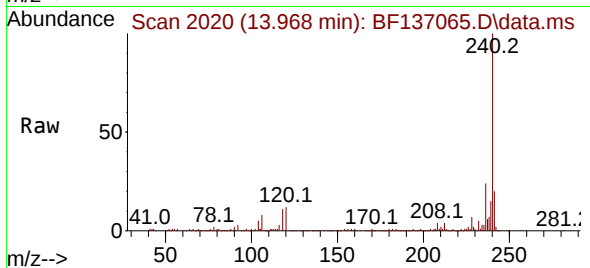
Tgt Ion:	202	Resp:	237312
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	29.3
203	17.3	0.0	37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

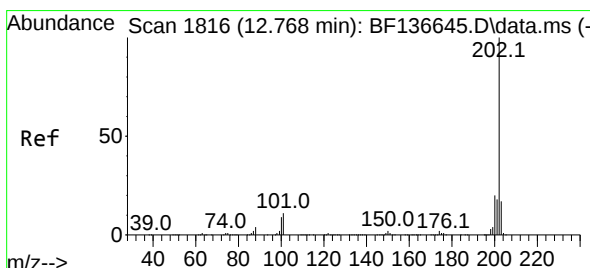
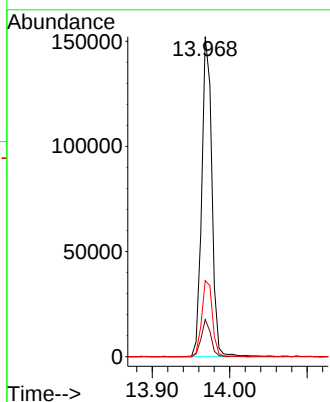
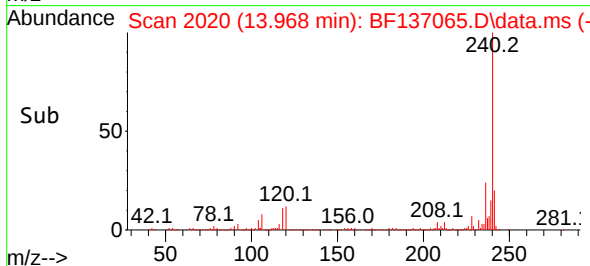
Instrument :
BNA_F
ClientSampleId :
360



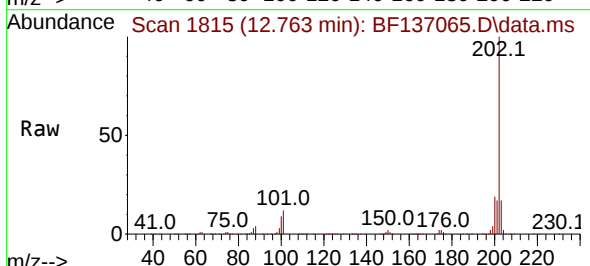
Tgt Ion:240 Resp: 13823
Ion Ratio Lower Upper
240 100
120 11.6 10.3 15.5
236 23.8 19.4 29.2

Manual Integrations
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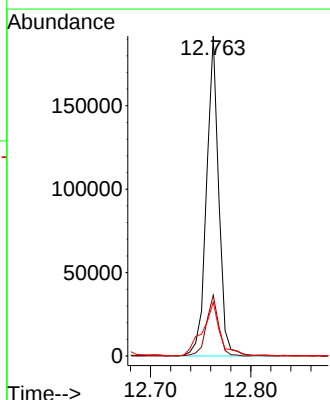
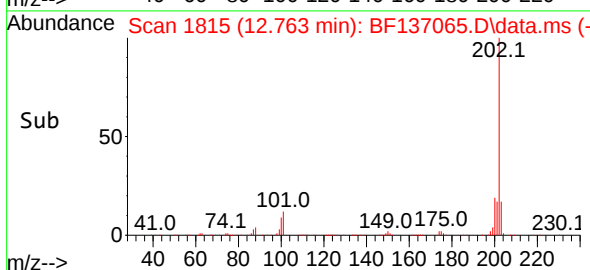
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

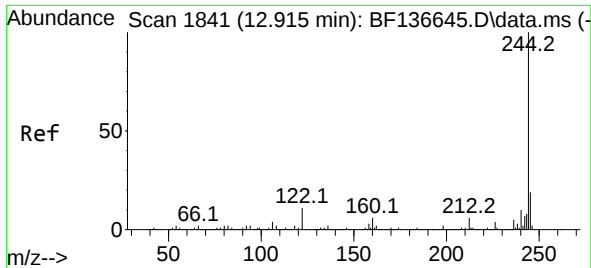


#78
Pyrene
Concen: 12.041 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10



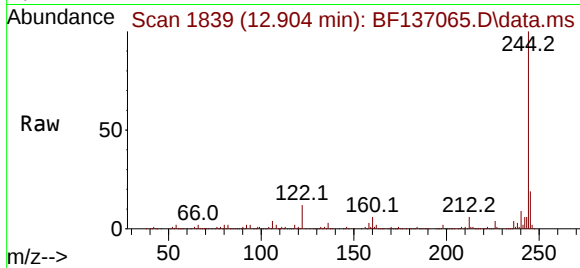
Tgt Ion:202 Resp: 163391
Ion Ratio Lower Upper
202 100
200 19.0 15.9 23.9
203 16.8 13.8 20.6





#79
Terphenyl-d14
Concen: 34.159 ng
RT: 12.904 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

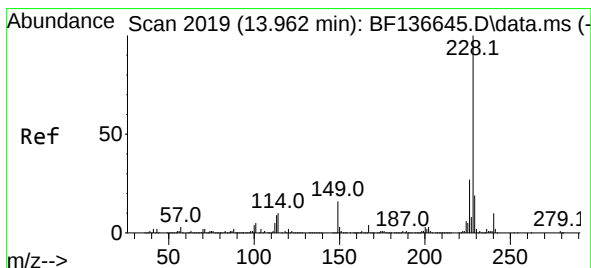
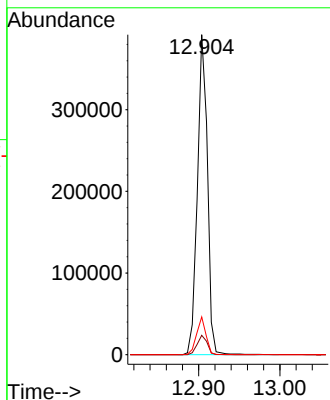
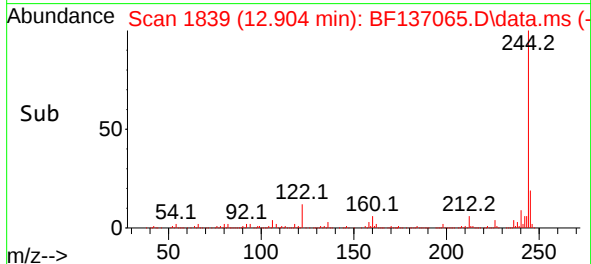
Instrument :
BNA_F
ClientSampleId :
360



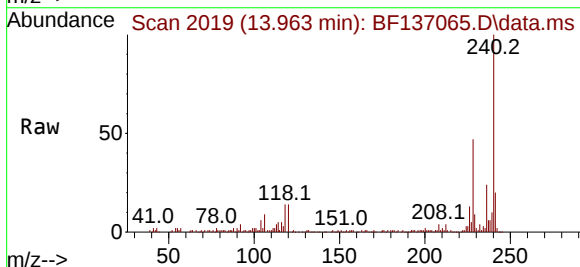
Tgt Ion:244 Resp: 337880
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 11.8 9.0 13.4

Manual Integrations
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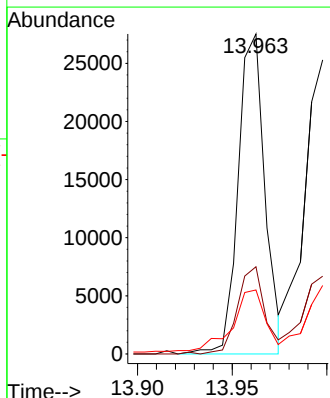
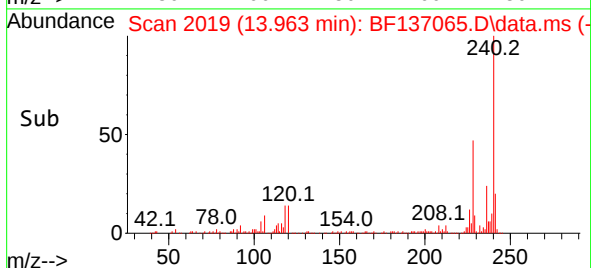
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

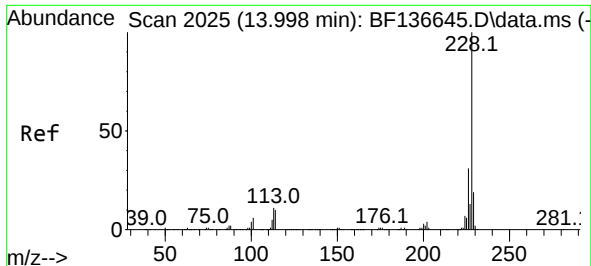


#81
Benzo(a)anthracene
Concen: 2.818 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10



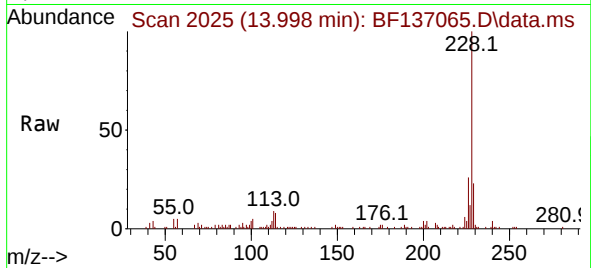
Tgt Ion:228 Resp: 27048
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.0
229 20.0 14.9 22.3





#83
Chrysene
Concen: 2.736 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

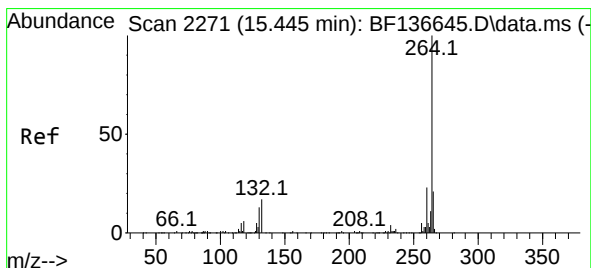
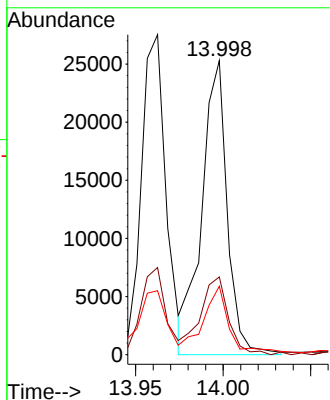
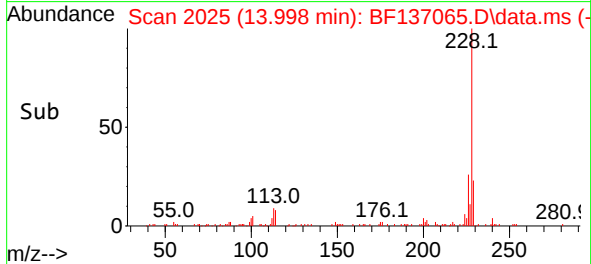
Instrument :
BNA_F
ClientSampleId :
360



Tgt Ion:228 Resp: 2568
Ion Ratio Lower Upper
228 100
226 26.5 24.7 37.1
229 23.3 15.4 23.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF137065.D
Acq: 15 Jan 2024 16:10

Tgt Ion:264 Resp: 135573
Ion Ratio Lower Upper
264 100
260 23.5 18.3 27.5
265 20.9 17.0 25.6

