

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137069.D
 Acq On : 15 Jan 2024 18:07
 Operator : CG\JU
 Sample : P1139-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-314-16-18

Manual Integrations
 APPROVED

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

Quant Time: Jan 16 02:02:12 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	41070	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	140634	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	67914	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	134125	20.000	ng	0.00
76) Chrysene-d12	13.968	240	136373	20.000	ng	0.00
86) Perylene-d12	15.462	264	133678	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	237746	90.322	ng	0.00
7) Phenol-d6	6.434	99	279976	82.087	ng	0.00
23) Nitrobenzene-d5	7.345	82	166425	60.555	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	68707	85.901	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	324001	64.166	ng	-0.02
79) Terphenyl-d14	12.904	244	433240	44.396	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.775	142	30972	6.229	ng	100
38) 1-Methylnaphthalene	8.875	142	18519	3.796	ng	93
71) Phenanthrene	11.333	178	101144	14.697	ng	98
72) Anthracene	11.386	178	18195	2.611	ng	97
75) Fluoranthene	12.533	202	99241	13.481	ng	99
78) Pyrene	12.763	202	112018	8.367	ng	98
81) Benzo(a)anthracene	13.963	228	44689	4.719	ng	97
83) Chrysene	13.998	228	45252	4.887	ng	94
88) Benzo(b)fluoranthene	15.021	252	41702m	4.671	ng	
90) Benzo(a)pyrene	15.398	252	30932	4.104	ng	# 93

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

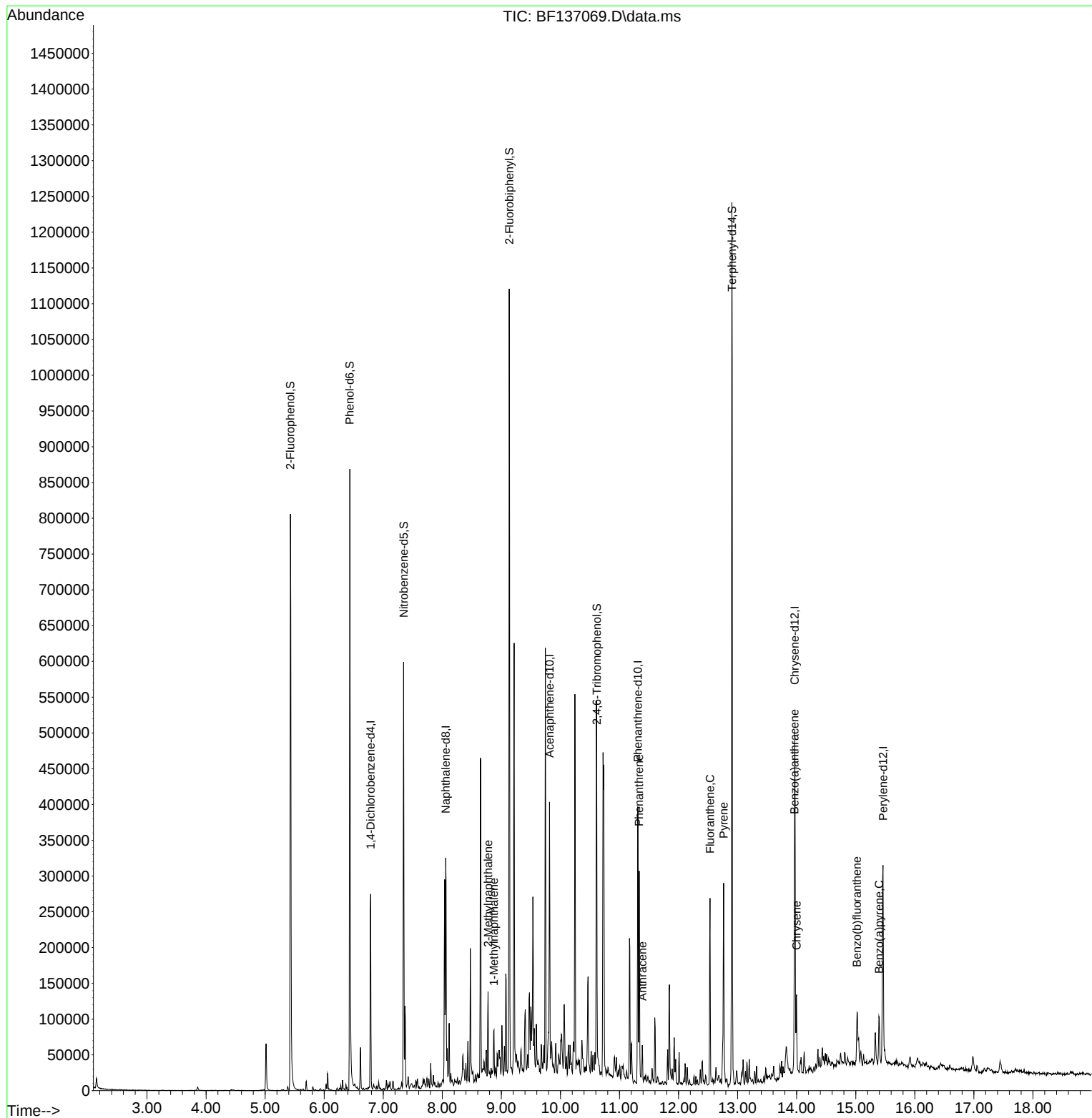
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
Data File : BF137069.D
Acq On : 15 Jan 2024 18:07
Operator : CG\JU
Sample : P1139-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

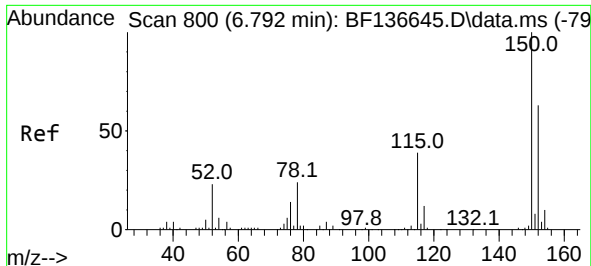
Instrument :
BNA_F
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MR-314-16-18

Quant Time: Jan 16 02:02:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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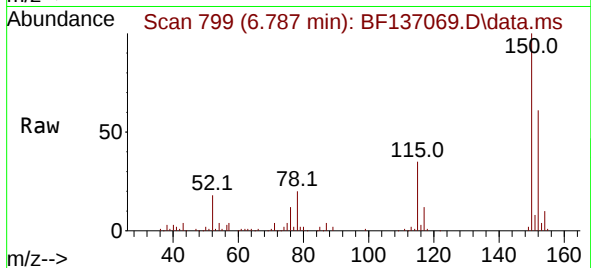
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

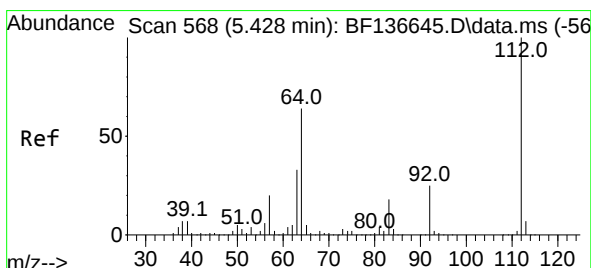
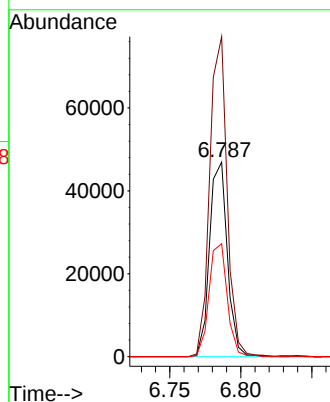
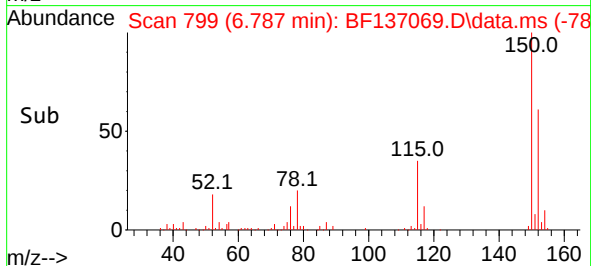


Tgt Ion:152 Resp: 41070
Ion Ratio Lower Upper
152 100
150 164.5 127.0 190.6
115 58.0 49.0 73.4

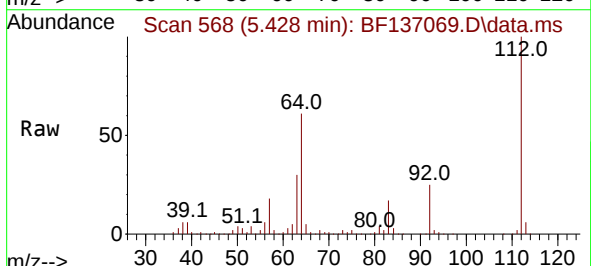
Manual Integrations

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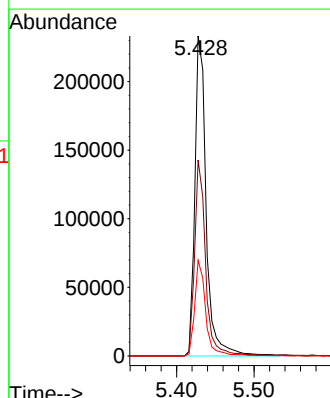
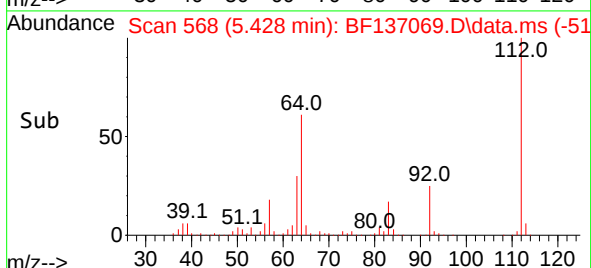
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

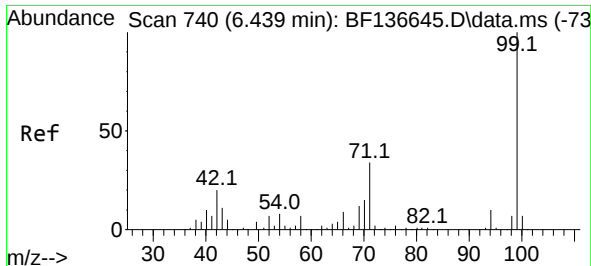


#5
2-Fluorophenol
Concen: 90.322 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07



Tgt Ion:112 Resp: 237746
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 29.9 26.1 39.1





#7

Phenol-d6

Concen: 82.087 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF137069.D

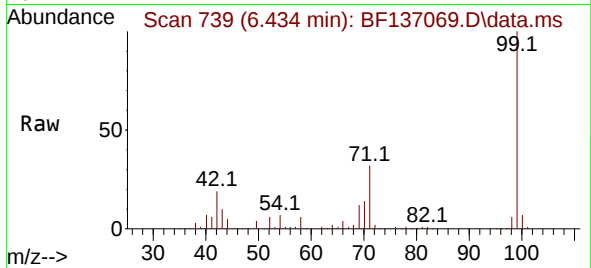
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

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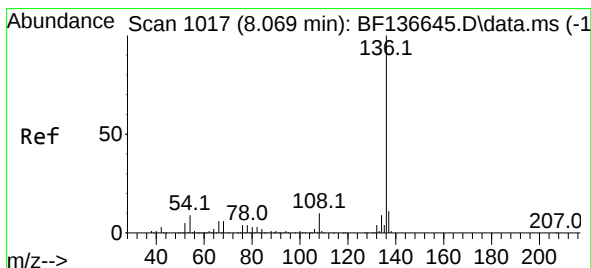
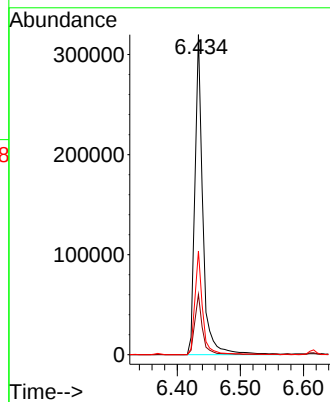
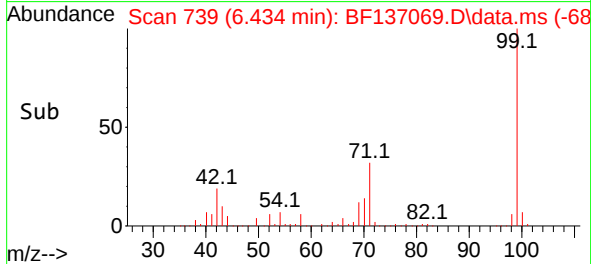
Tgt Ion: 99 Resp: 279970

Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.1	24.1
71	32.4	27.4	41.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

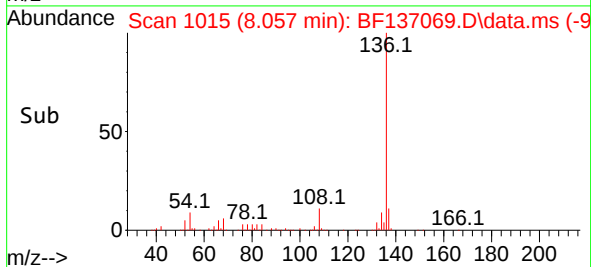
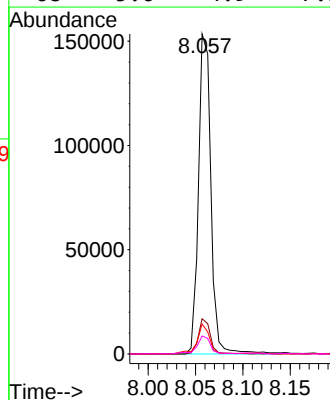
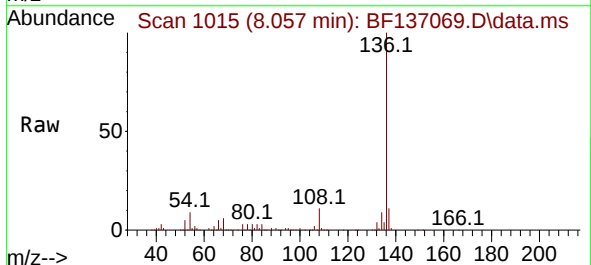
Delta R.T. -0.012 min

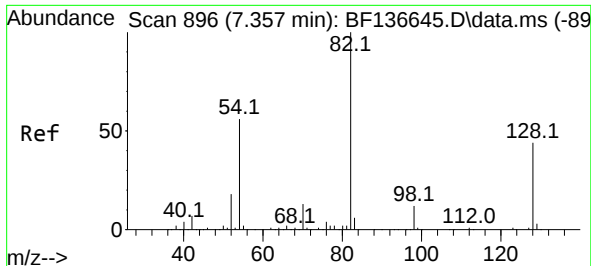
Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

Tgt Ion:136 Resp: 140634

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.4	7.2	10.8
68	5.6	4.9	7.3





#23
Nitrobenzene-d5
Concen: 60.555 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

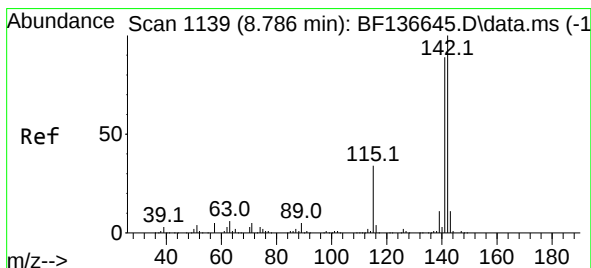
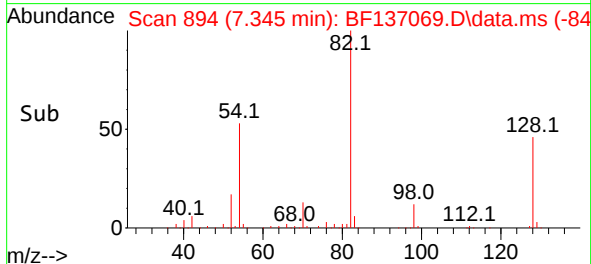
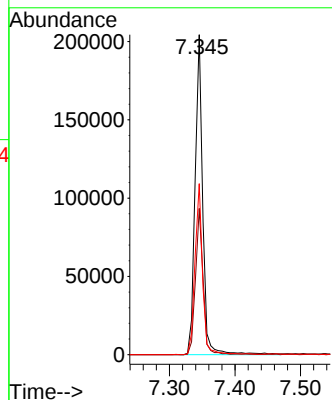
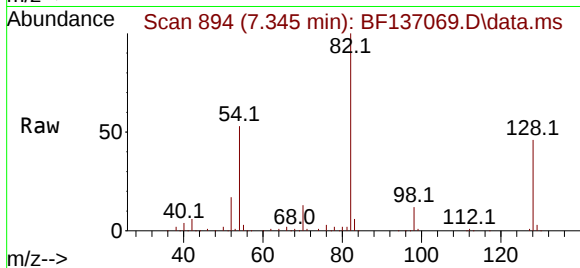
MR-314-16-18

Tgt Ion: 82 Resp: 166425
Ion Ratio Lower Upper
82 100
128 45.7 35.3 52.9
54 53.4 44.5 66.7

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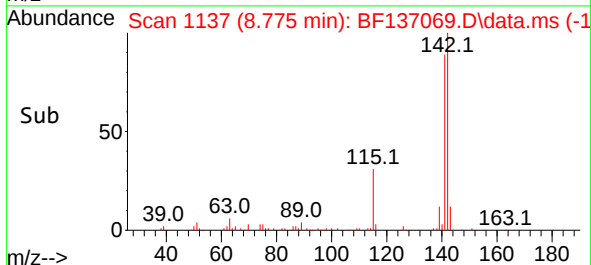
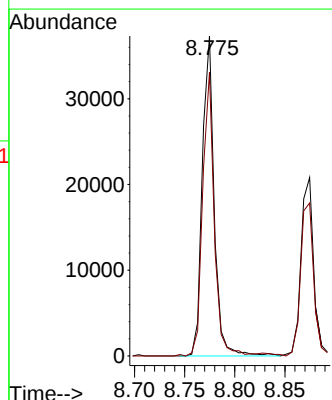
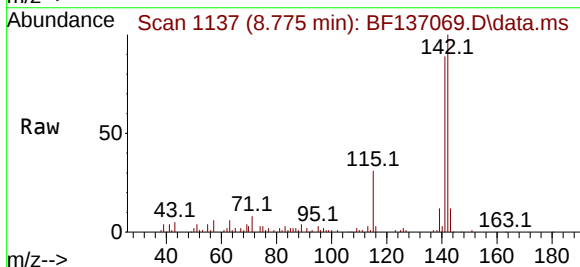
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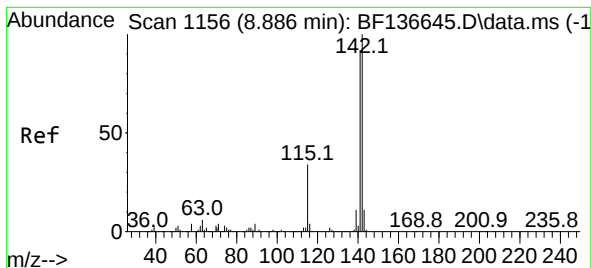
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#37
2-Methylnaphthalene
Concen: 6.229 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:142 Resp: 30972
Ion Ratio Lower Upper
142 100
141 88.6 71.1 106.7





#38

1-Methylnaphthalene

Concen: 3.796 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

Tgt Ion:142 Resp: 18519

Ion Ratio Lower Upper

142 100

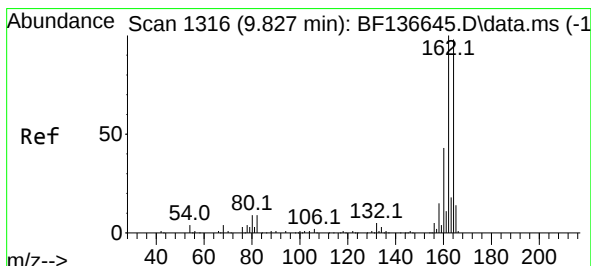
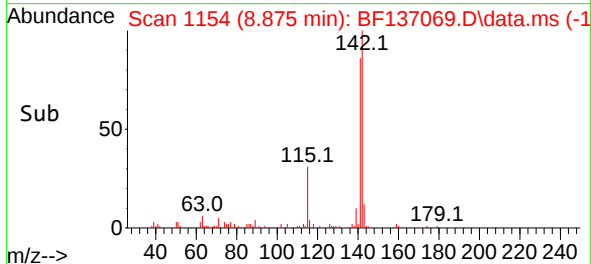
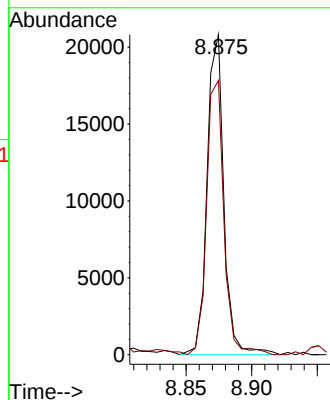
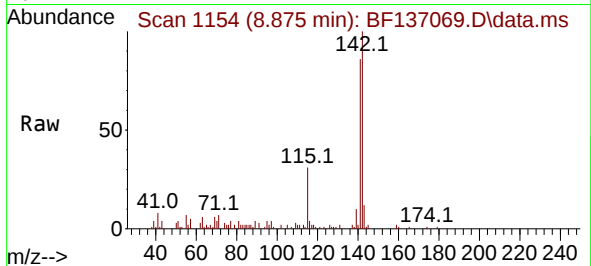
141 85.7 73.6 110.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/16/2024

Supervised By :mohammad ahmed 01/17/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

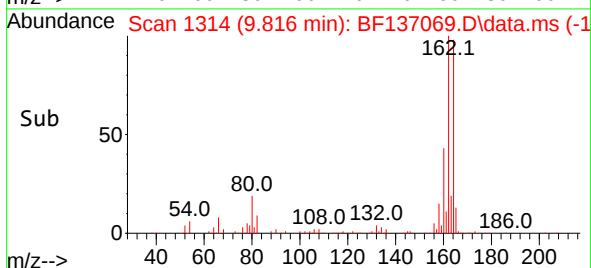
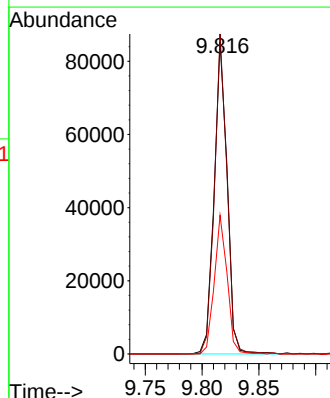
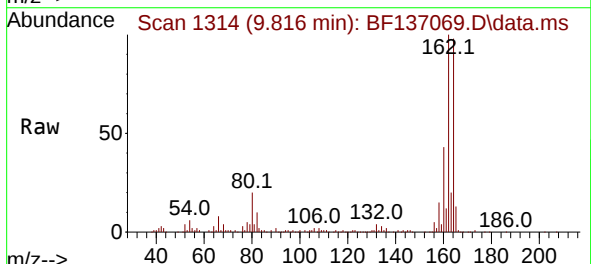
Tgt Ion:164 Resp: 67914

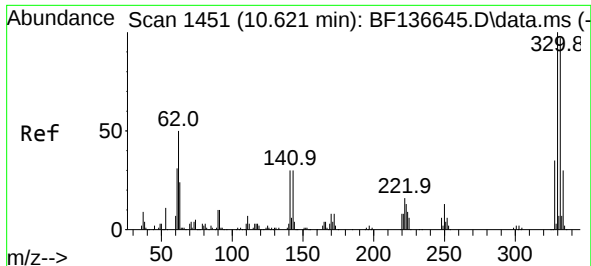
Ion Ratio Lower Upper

164 100

162 102.4 81.6 122.4

160 44.4 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 85.901 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

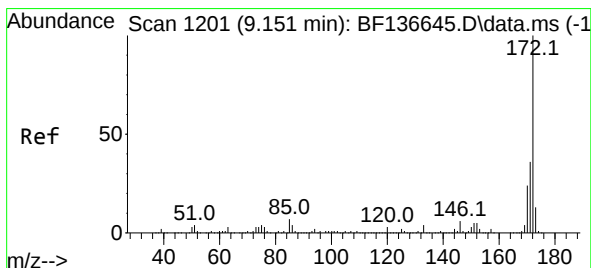
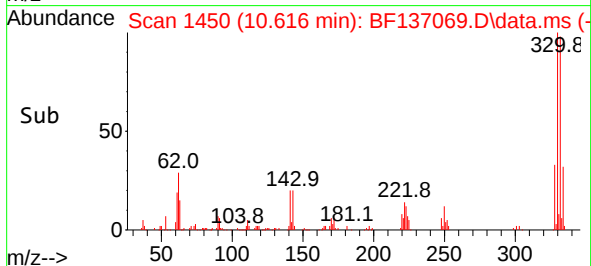
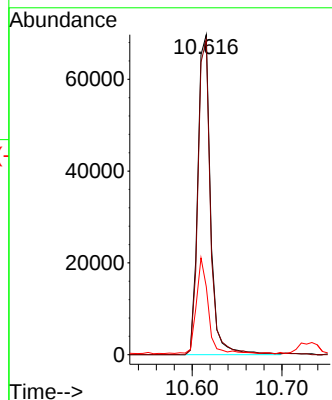
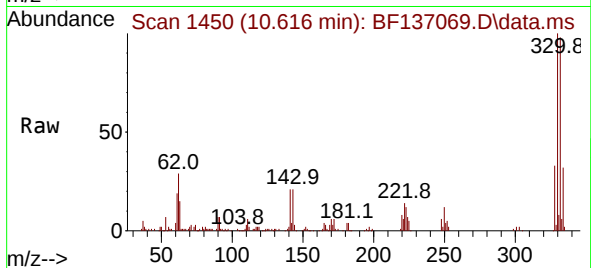
ClientSampleId :

MR-314-16-18

Tgt Ion:330 Resp: 6870
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 27.9 23.4 35.2

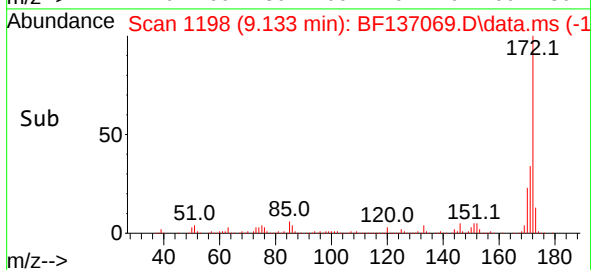
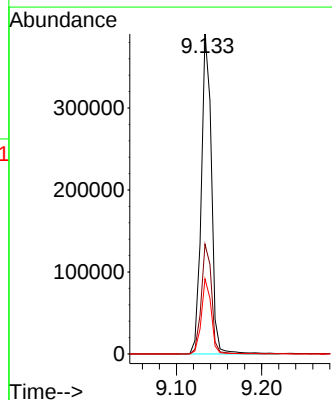
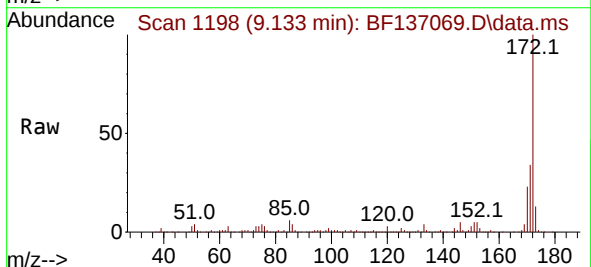
Manual Integrations
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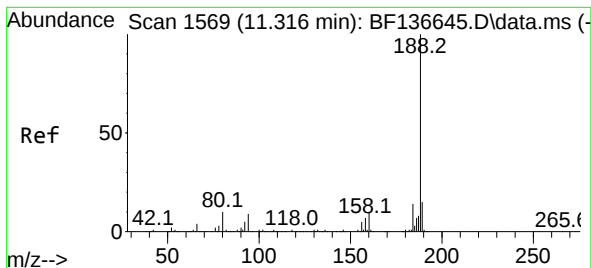
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#45
2-Fluorobiphenyl
Concen: 64.166 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Tgt Ion:172 Resp: 324001
Ion Ratio Lower Upper
172 100
171 34.3 29.0 43.6
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

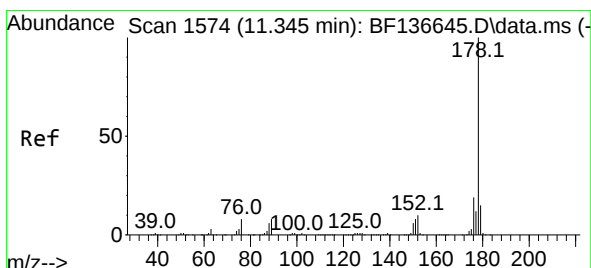
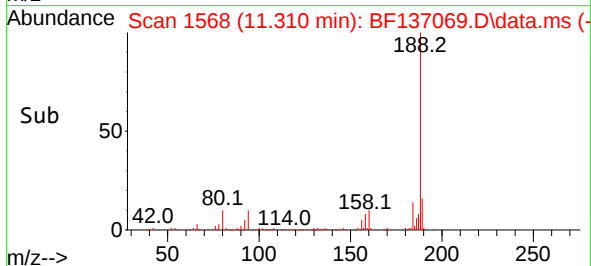
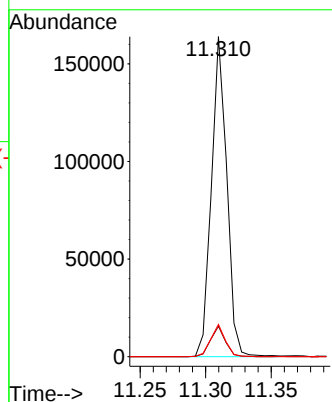
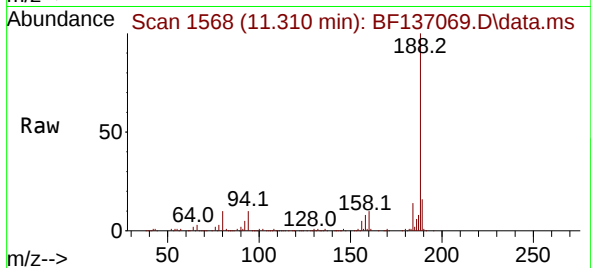
MR-314-16-18

Tgt Ion:188 Resp: 13412
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.1 8.1 12.1

Manual Integrations

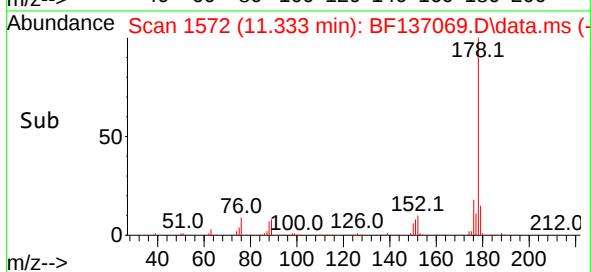
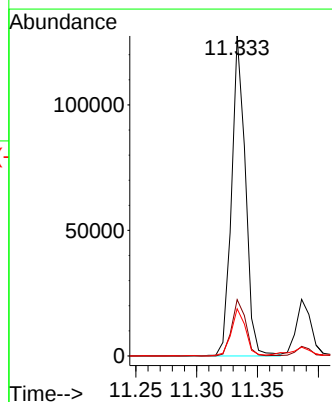
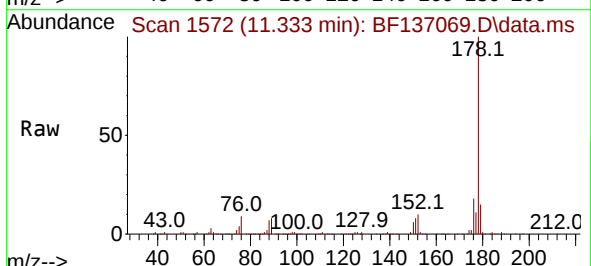
APPROVED

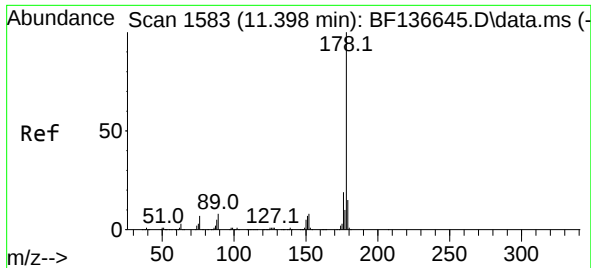
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#71
Phenanthrene
Concen: 14.697 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

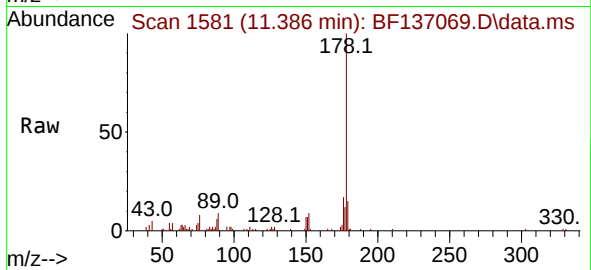
Tgt Ion:178 Resp: 101144
Ion Ratio Lower Upper
178 100
176 17.6 15.3 22.9
179 14.7 11.9 17.9





#72
 Anthracene
 Concen: 2.611 ng
 RT: 11.386 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF137069.D
 Acq: 15 Jan 2024 18:07

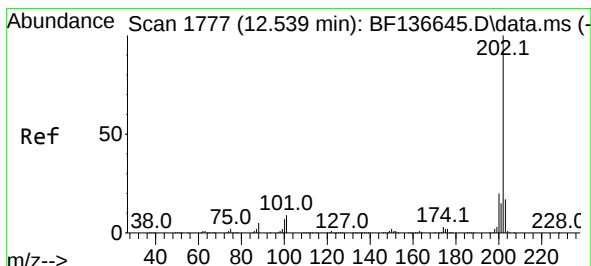
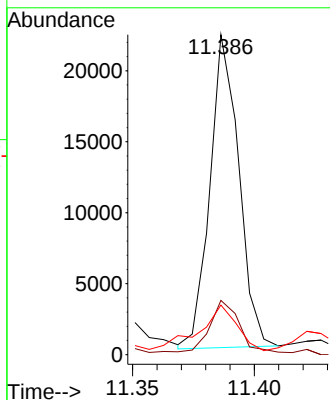
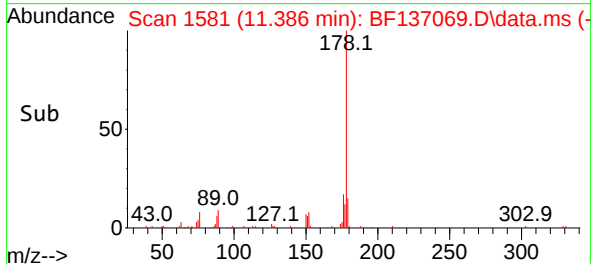
Instrument :
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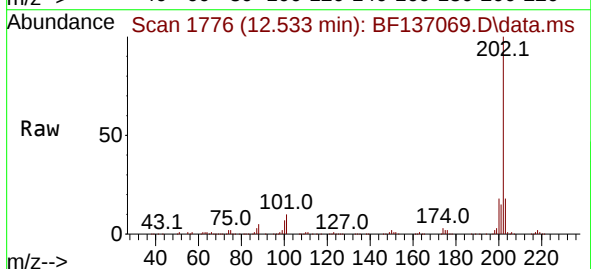
Tgt Ion:178 Resp: 1819
 Ion Ratio Lower Upper
 178 100
 176 16.9 14.9 22.3
 179 15.5 11.8 17.6

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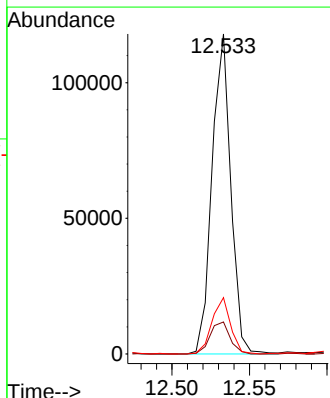
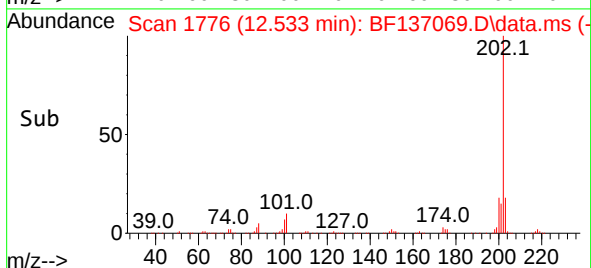
Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

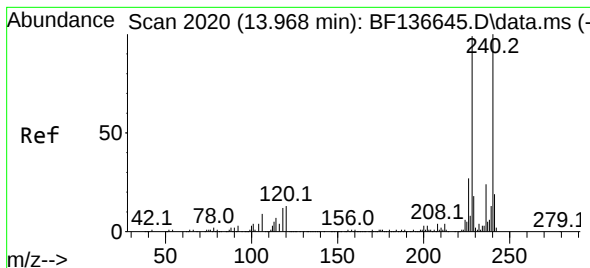


#75
 Fluoranthene
 Concen: 13.481 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137069.D
 Acq: 15 Jan 2024 18:07



Tgt Ion:202 Resp: 99241
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 29.3
 203 17.6 0.0 37.1





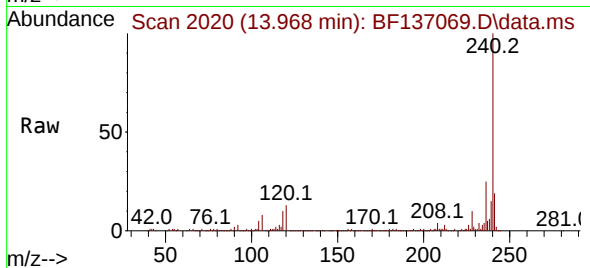
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

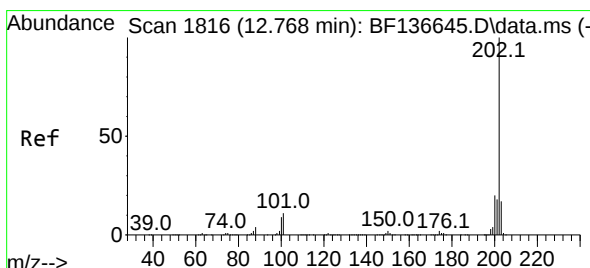
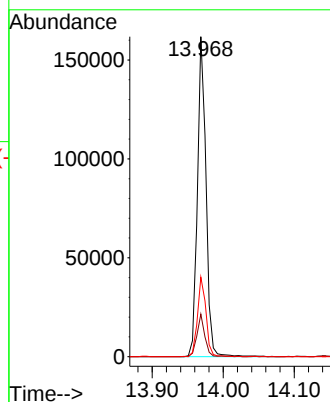
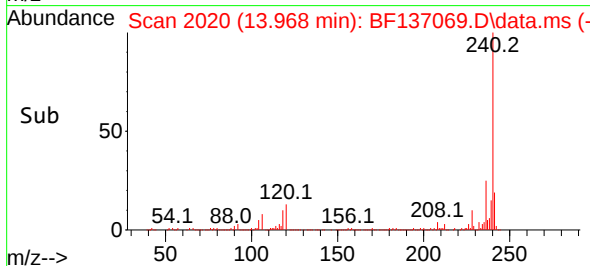


Tgt Ion:240 Resp: 13637
Ion Ratio Lower Upper
240 100
120 13.3 10.3 15.5
236 24.9 19.4 29.2

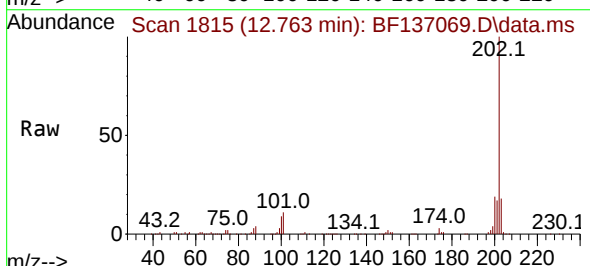
Manual Integrations

APPROVED

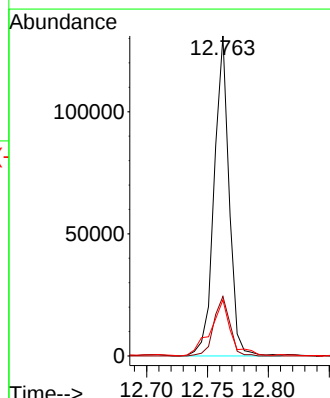
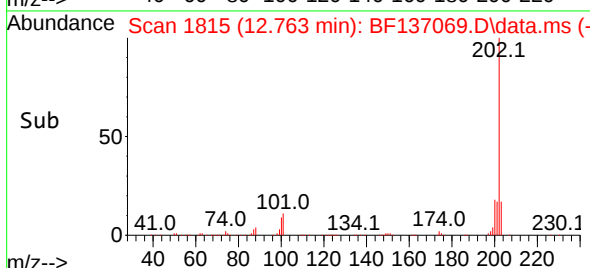
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

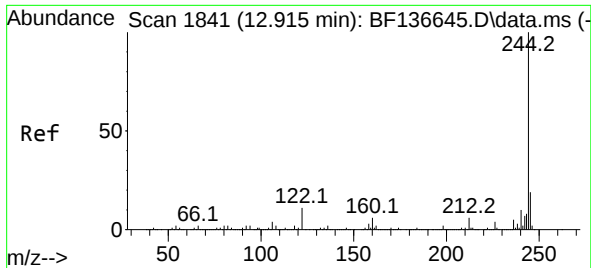


#78
Pyrene
Concen: 8.367 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07



Tgt Ion:202 Resp: 112018
Ion Ratio Lower Upper
202 100
200 18.6 15.9 23.9
203 17.5 13.8 20.6





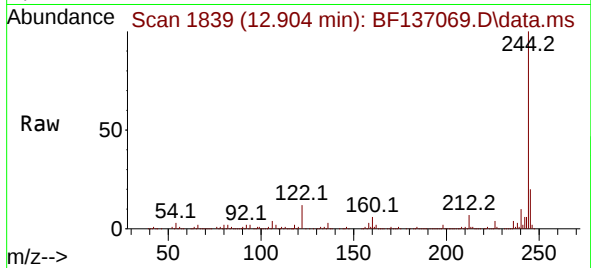
#79
Terphenyl-d14
Concen: 44.396 ng
RT: 12.904 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

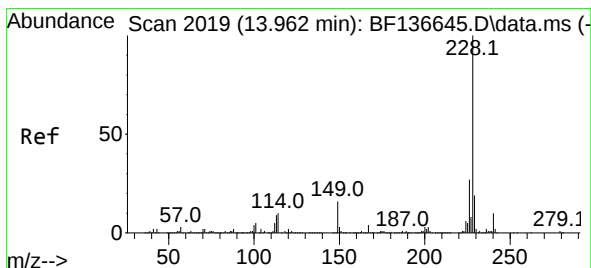
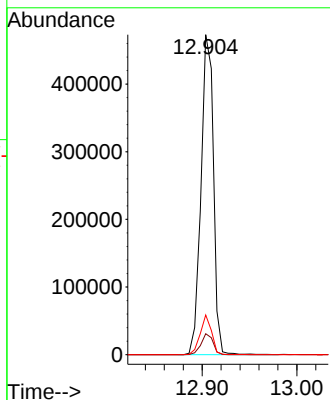
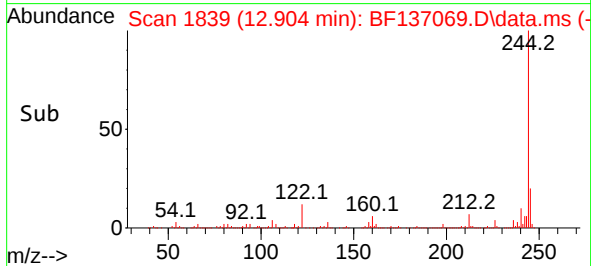


Tgt Ion:244 Resp: 433240
Ion Ratio Lower Upper
244 100
212 6.6 5.0 7.4
122 12.4 9.0 13.4

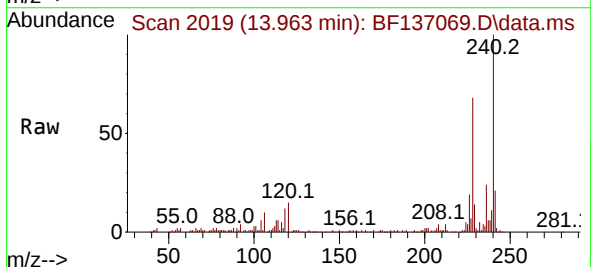
Manual Integrations

APPROVED

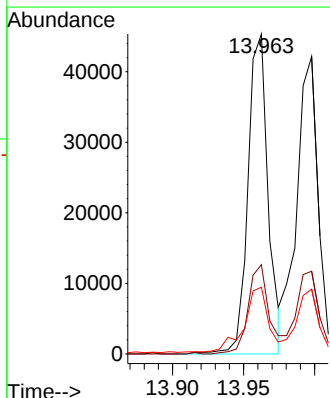
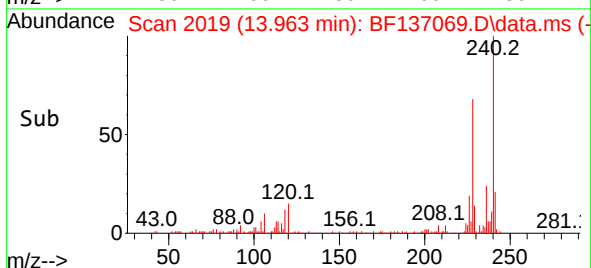
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

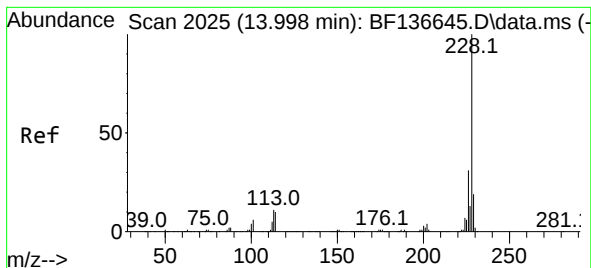


#81
Benzo(a)anthracene
Concen: 4.719 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07



Tgt Ion:228 Resp: 44689
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.0
229 20.9 14.9 22.3





#83

Chrysene

Concen: 4.887 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137069.D

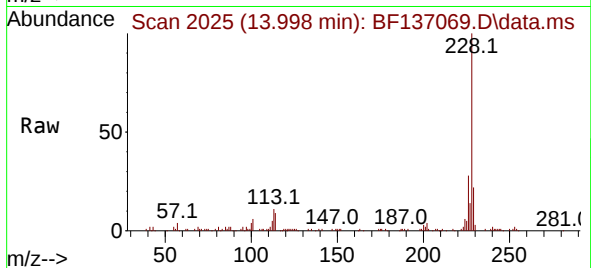
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

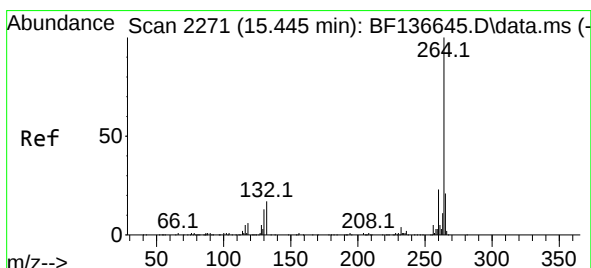
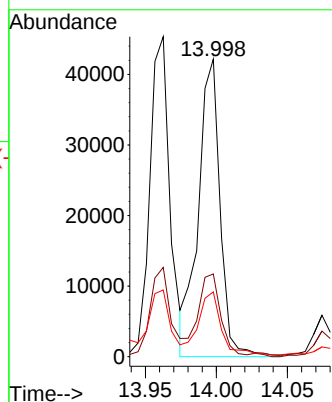
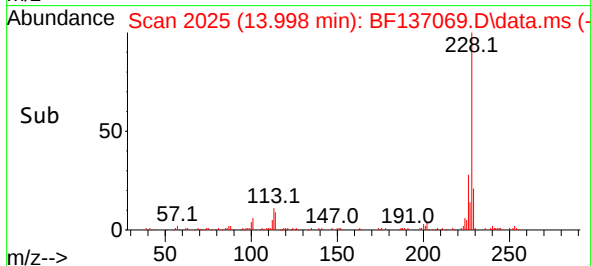


Tgt Ion:	228	Resp:	4525
Ion Ratio	Lower	Upper	
228	100		
226	27.8	24.7	37.1
229	21.8	15.4	23.0

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

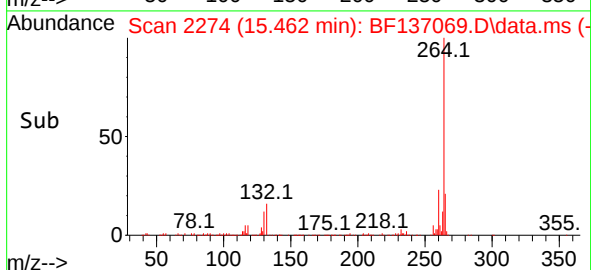
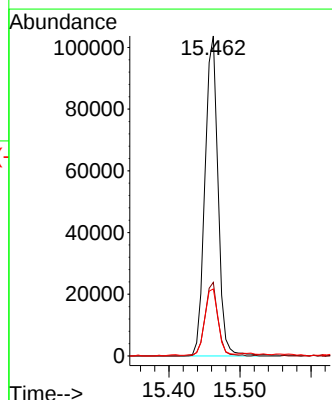
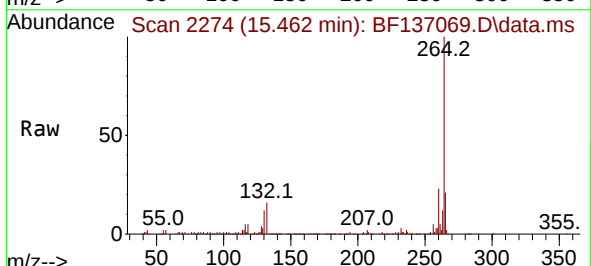
RT: 15.462 min Scan# 2274

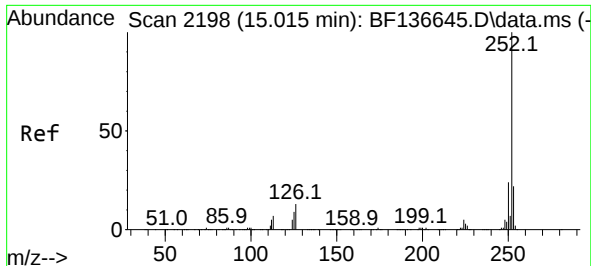
Delta R.T. 0.018 min

Lab File: BF137069.D

Acq: 15 Jan 2024 18:07

Tgt Ion:	264	Resp:	133678
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.3	27.5
265	20.9	17.0	25.6





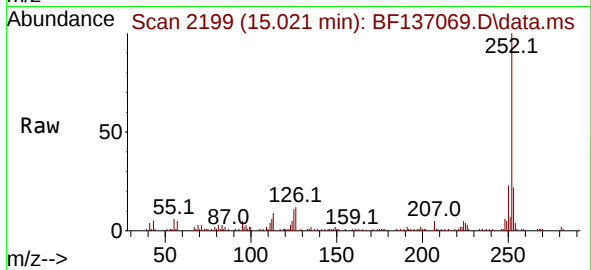
#88
Benzo(b)fluoranthene
Concen: 4.671 ng m
RT: 15.021 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07

Instrument :

BNA_F

ClientSampleId :

MR-314-16-18

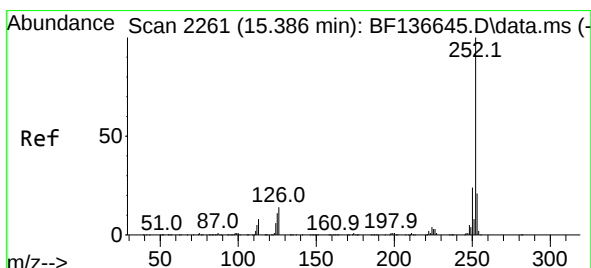
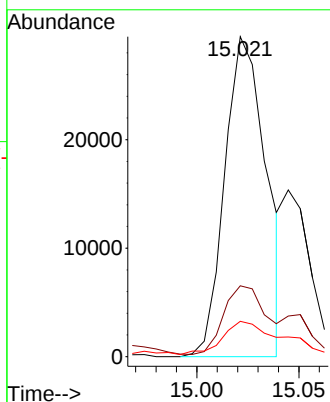
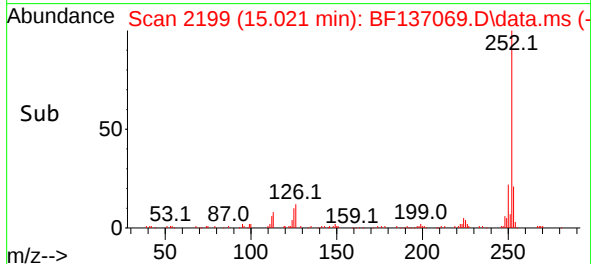


Tgt Ion:252 Resp: 41702
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.1 7.4 11.2

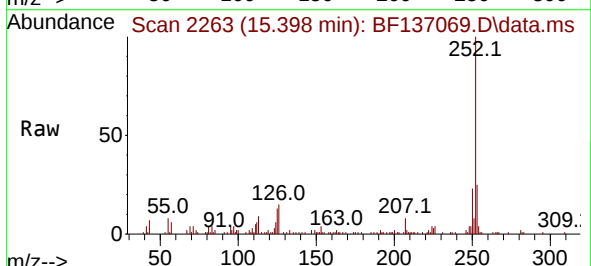
Manual Integrations

APPROVED

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



#90
Benzo(a)pyrene
Concen: 4.104 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF137069.D
Acq: 15 Jan 2024 18:07



Tgt Ion:252 Resp: 30932
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.6
125 13.3 8.8 13.2#

