

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011224\
 Data File : BF137054.D
 Acq On : 12 Jan 2024 17:56
 Operator : CG\JU
 Sample : P1104-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jan 12 22:13:53 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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
 Supervised By :mohammad ahmed 01/16/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	63062	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	235948	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	112363	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	172252	20.000	ng	0.00
76) Chrysene-d12	13.974	240	130488	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	124559	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	296712	73.413	ng	0.00
7) Phenol-d6	6.434	99	365123	69.719	ng	0.00
23) Nitrobenzene-d5	7.345	82	216196	46.887	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	83560	63.144	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	407460	48.773	ng	-0.02
79) Terphenyl-d14	12.904	244	312339	33.450	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.369	166	16681	2.042	ng	# 96
71) Phenanthrene	11.333	178	113463	12.838	ng	98
72) Anthracene	11.386	178	30325	3.388	ng	97
75) Fluoranthene	12.533	202	208922	22.099	ng	98
78) Pyrene	12.763	202	185542	14.485	ng	99
81) Benzo(a)anthracene	13.963	228	109622	12.098	ng	97
83) Chrysene	13.998	228	104307	11.772	ng	95
87) Indeno(1,2,3-cd)pyrene	16.980	276	45534	5.063	ng	97
88) Benzo(b)fluoranthene	15.021	252	126227m	15.173	ng	
89) Benzo(k)fluoranthene	15.051	252	48935m	6.225	ng	
90) Benzo(a)pyrene	15.398	252	88858	12.653	ng	97
92) Benzo(g,h,i)perylene	17.445	276	41843	5.537	ng	95

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

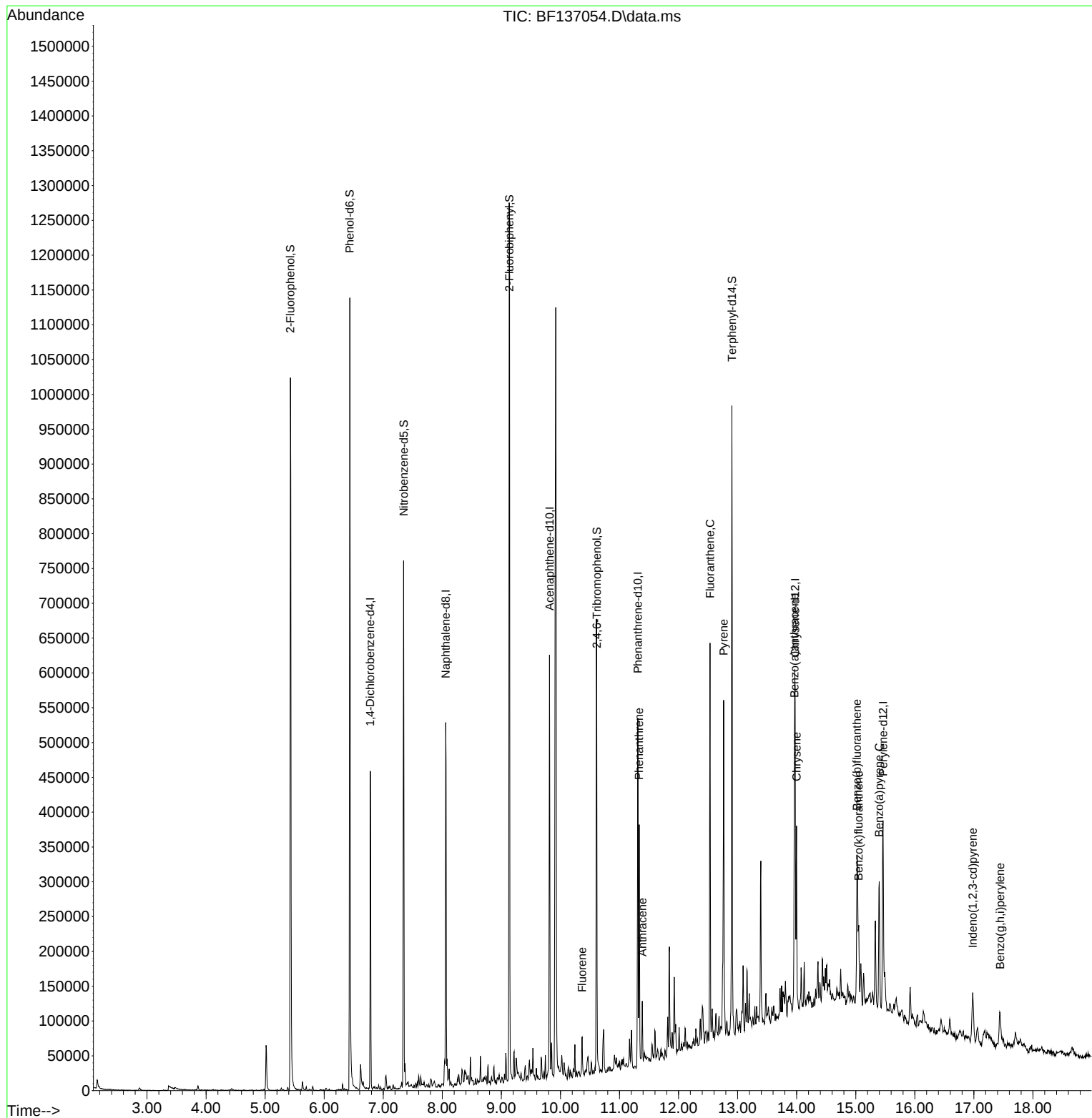
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011224\
Data File : BF137054.D
Acq On : 12 Jan 2024 17:56
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Sample : P1104-01
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ALS Vial : 12 Sample Multiplier: 1

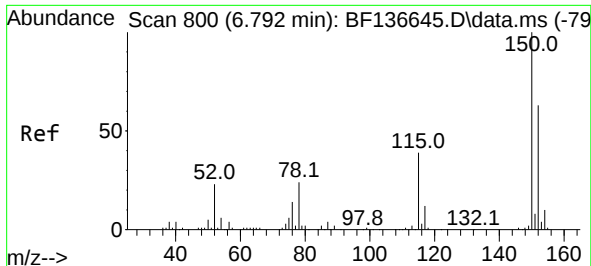
Instrument :
BNA_F
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Quant Time: Jan 12 22:13:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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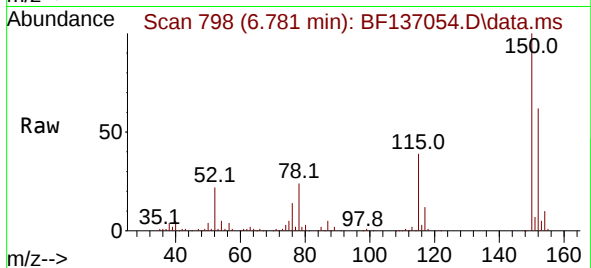
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

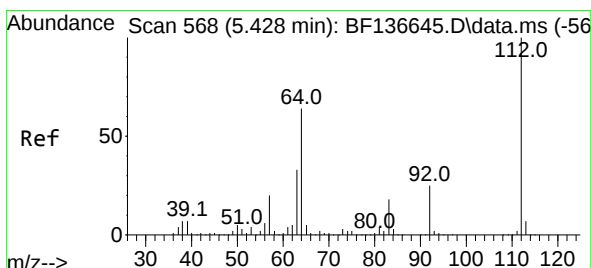
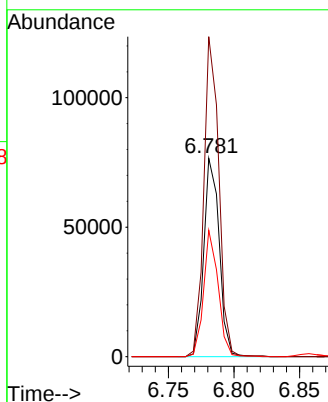
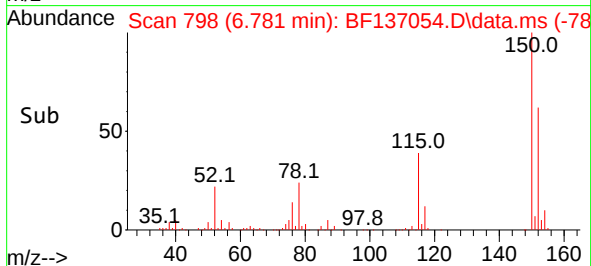
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 63062
Ion Ratio Lower Upper
152 100
150 161.2 127.0 190.6
115 63.7 49.0 73.4

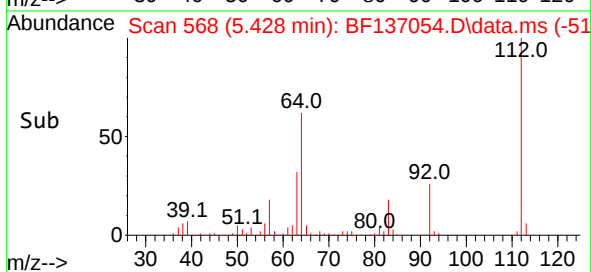
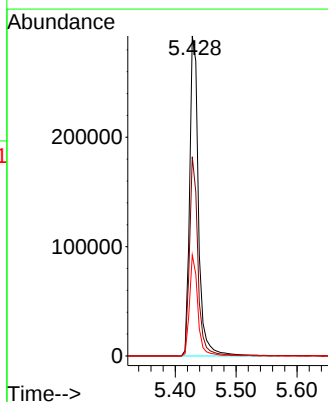
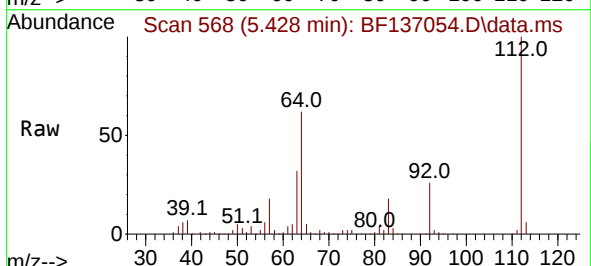
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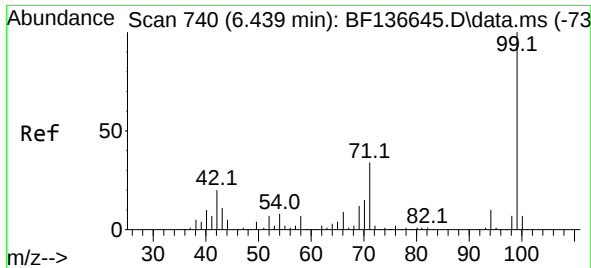
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#5
2-Fluorophenol
Concen: 73.413 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

Tgt Ion:112 Resp: 296712
Ion Ratio Lower Upper
112 100
64 62.3 51.1 76.7
63 31.5 26.1 39.1





#7

Phenol-d6

Concen: 69.719 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 99 Resp: 36512

Ion Ratio Lower Upper

99 100

42 19.4 16.1 24.1

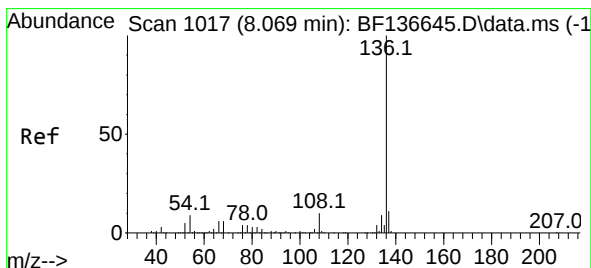
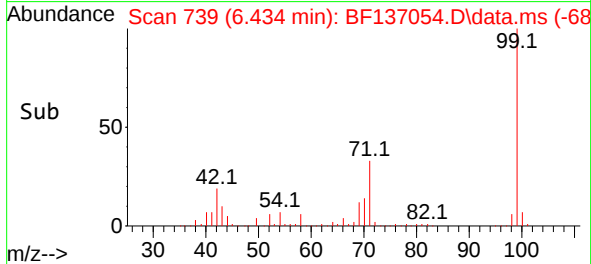
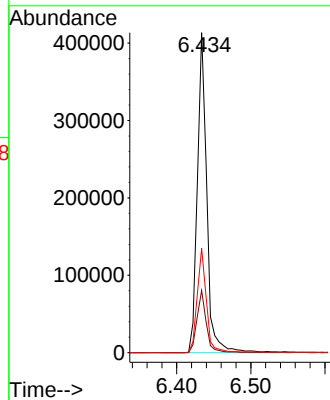
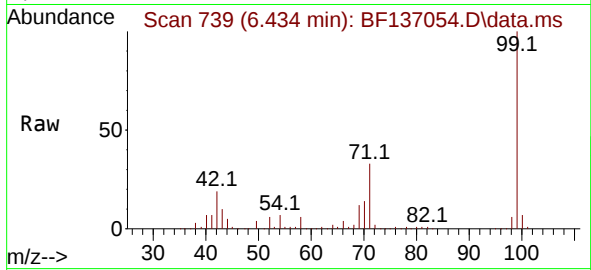
71 32.6 27.4 41.2

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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: BF137054.D

Acq: 12 Jan 2024 17:56

Tgt Ion:136 Resp: 235948

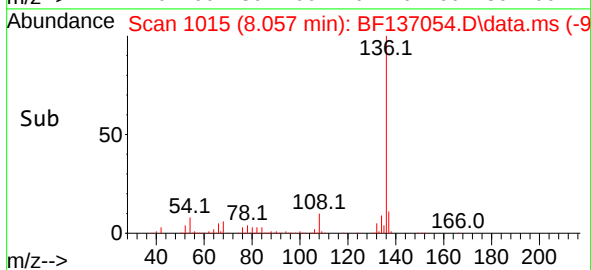
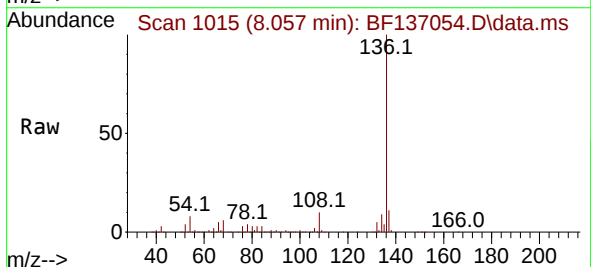
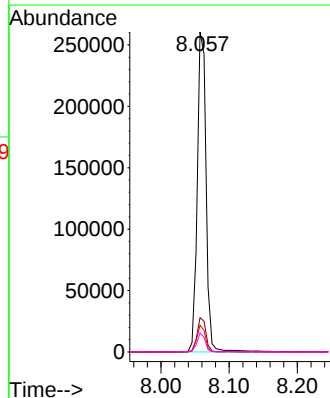
Ion Ratio Lower Upper

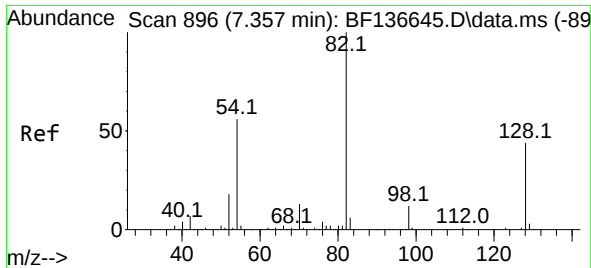
136 100

137 10.7 9.0 13.4

54 8.4 7.2 10.8

68 6.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 46.887 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 216190

Ion Ratio Lower Upper

82 100

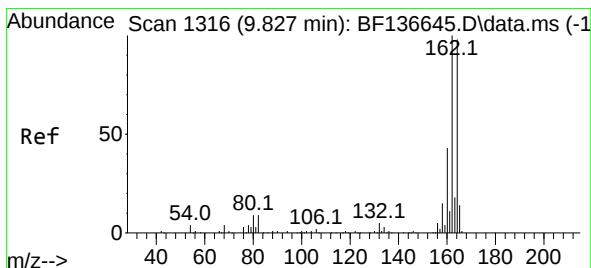
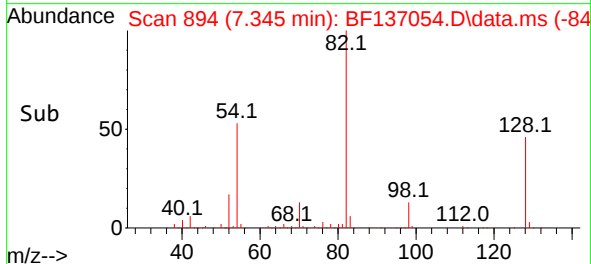
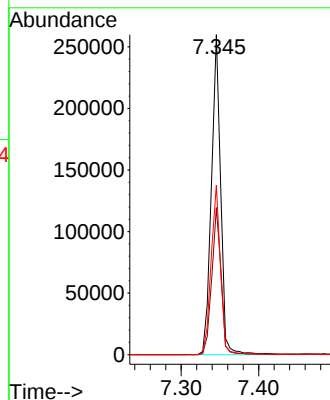
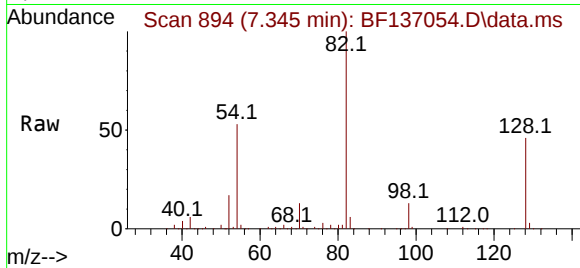
128 45.9 35.3 52.9

54 53.0 44.5 66.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

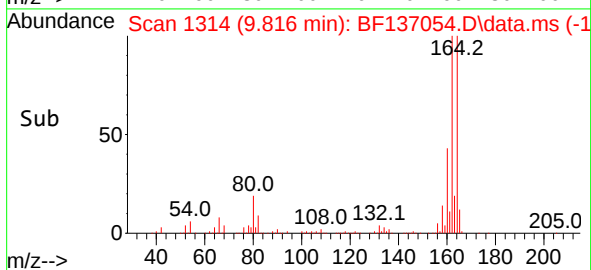
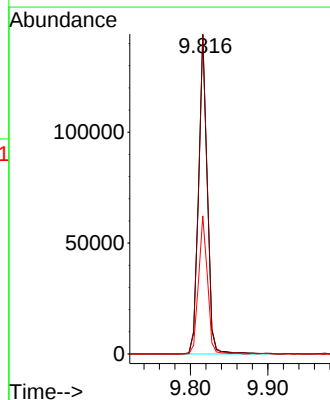
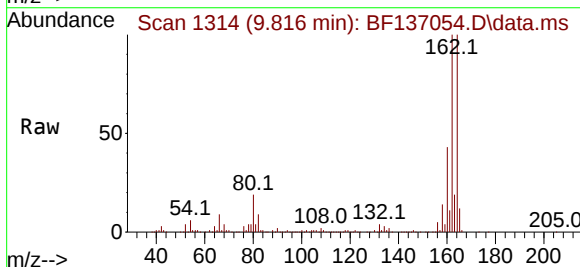
Tgt Ion:164 Resp: 112363

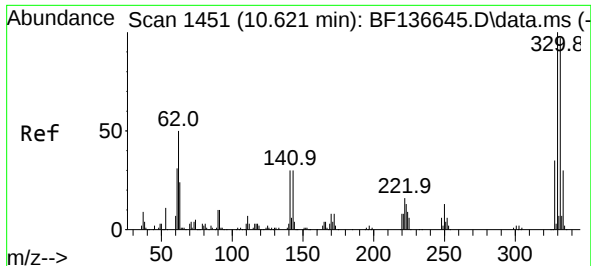
Ion Ratio Lower Upper

164 100

162 100.2 81.6 122.4

160 43.2 34.9 52.3





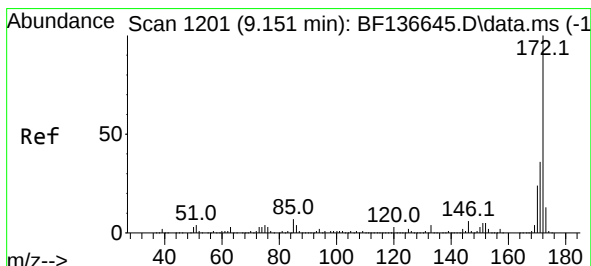
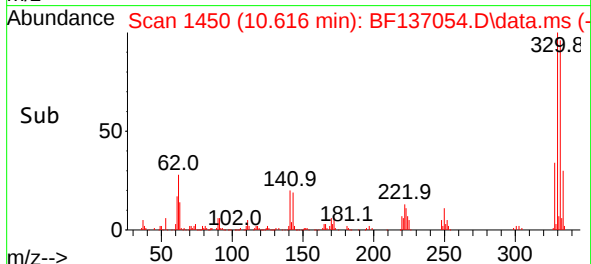
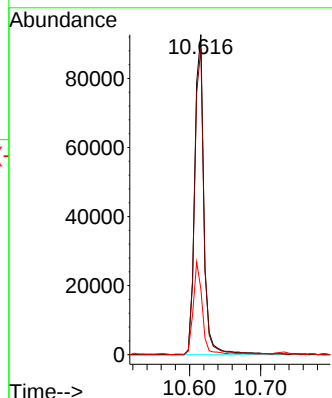
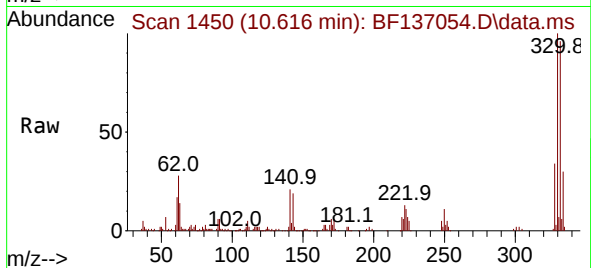
#42
2,4,6-Tribromophenol
Concen: 63.144 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 330 Resp: 83560
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 28.5 23.4 35.2

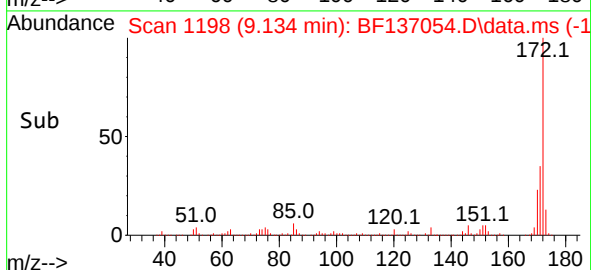
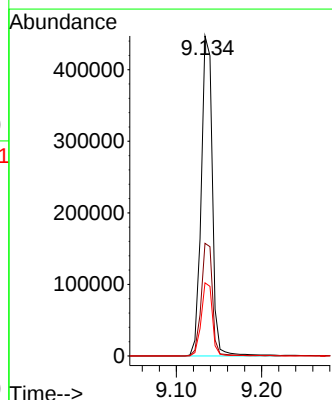
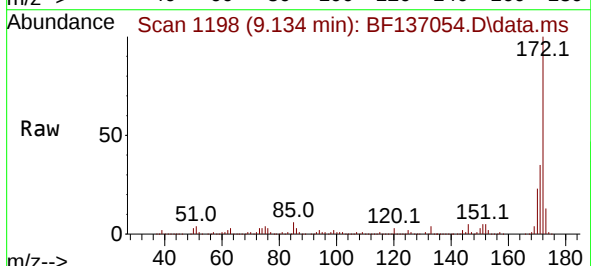
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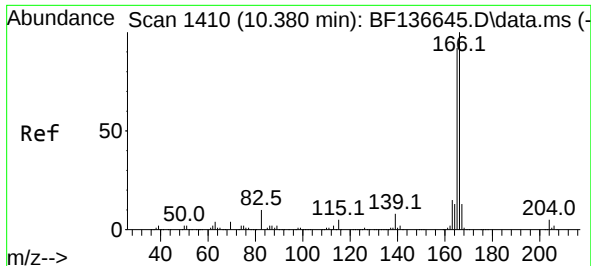
Reviewed By :Jagrut Upadhyay 01/15/2024
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#45
2-Fluorobiphenyl
Concen: 48.773 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

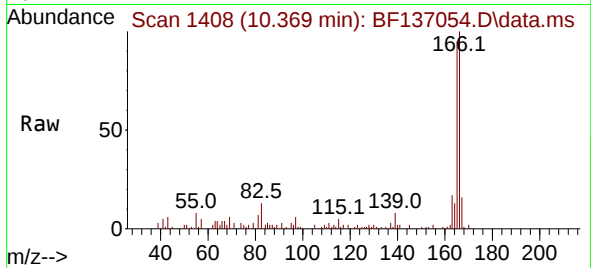
Tgt Ion: 172 Resp: 407460
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.6
170 22.9 19.0 28.4





#58
Fluorene
Concen: 2.042 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

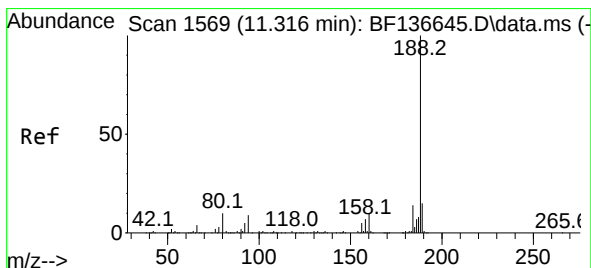
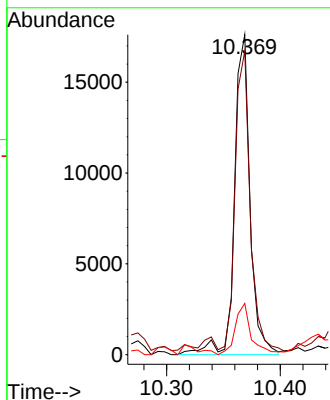
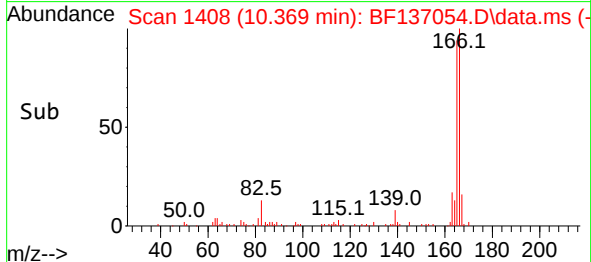
Instrument :
BNA_F
ClientSampleId :
TP-1



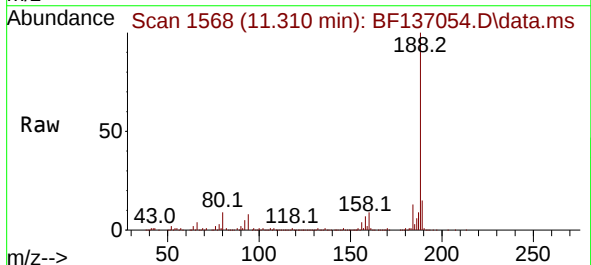
Tgt Ion:166 Resp: 1668
Ion Ratio Lower Upper
166 100
165 94.9 73.7 110.5
167 16.0 10.4 15.6

Manual Integrations
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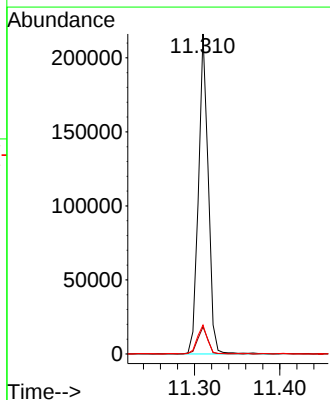
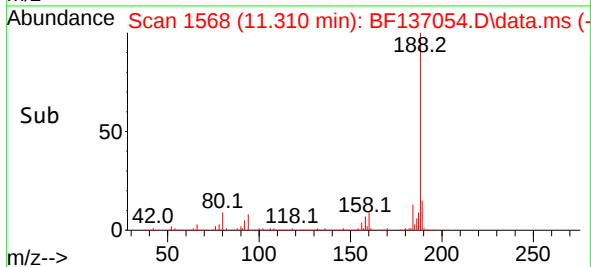
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024

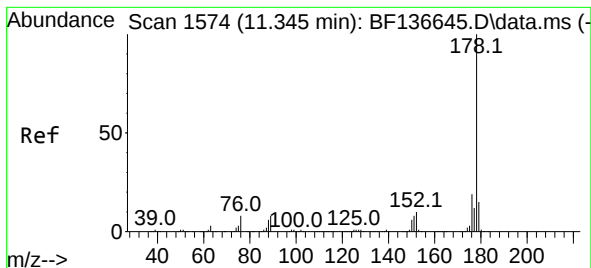


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56



Tgt Ion:188 Resp: 172252
Ion Ratio Lower Upper
188 100
94 8.5 7.5 11.3
80 9.1 8.1 12.1





#71

Phenanthrene

Concen: 12.838 ng

RT: 11.333 min Scan# 11346

Delta R.T. -0.012 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Instrument :

BNA_F

ClientSampleId :

TP-1

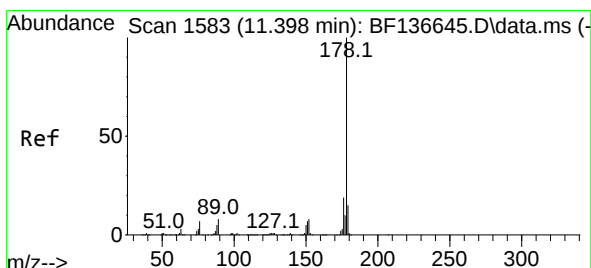
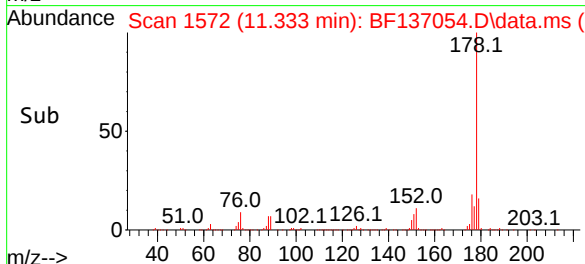
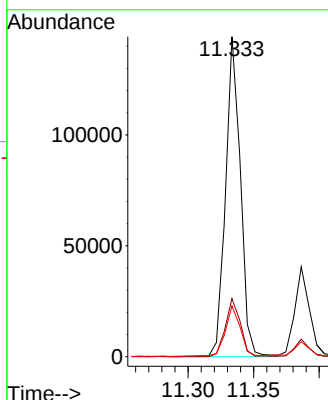
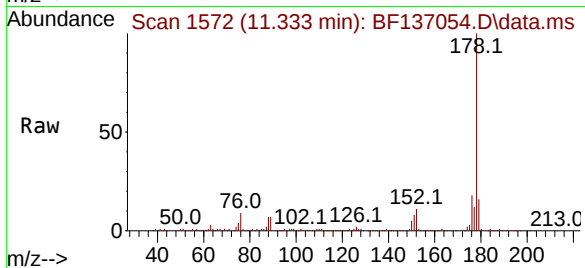
Tgt Ion:178 Resp: 11346

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.9	11.9	17.9

Manual Integrations

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#72

Anthracene

Concen: 3.388 ng

RT: 11.386 min Scan# 1581

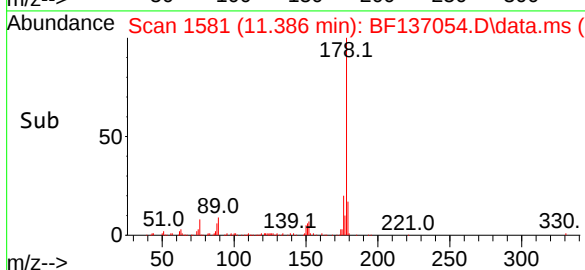
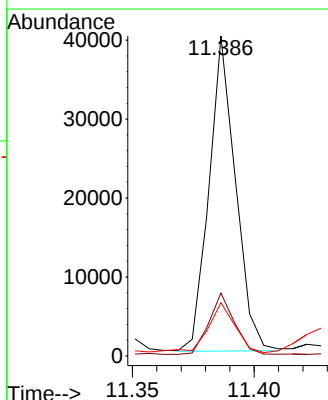
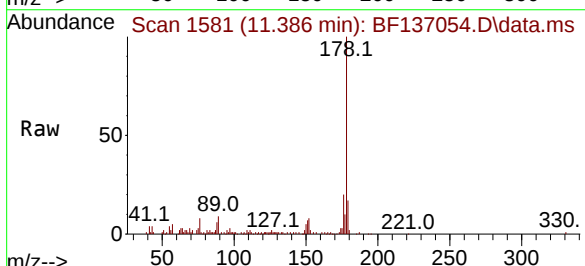
Delta R.T. -0.012 min

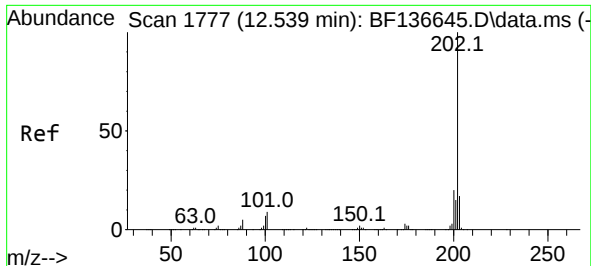
Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Tgt Ion:178 Resp: 30325

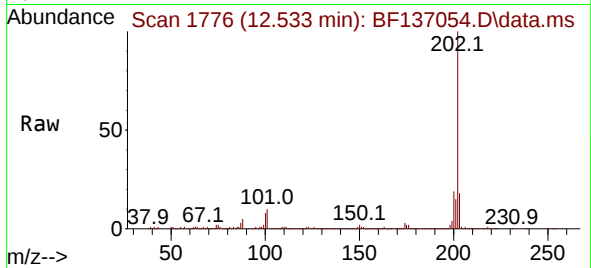
Ion	Ratio	Lower	Upper
178	100		
176	19.7	14.9	22.3
179	16.7	11.8	17.6





#75
Fluoranthene
Concen: 22.099 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

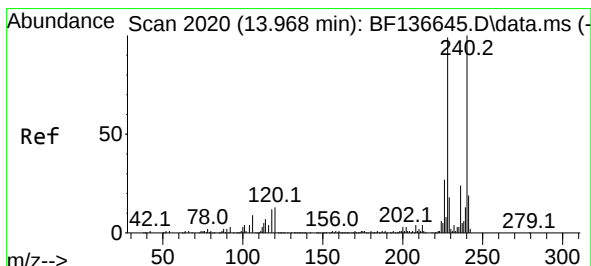
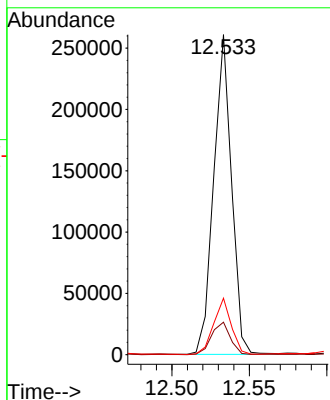
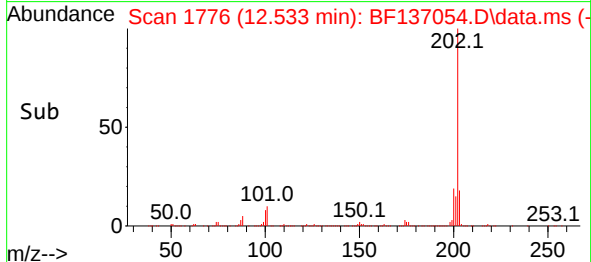
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 20892
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.3
203 17.7 0.0 37.1

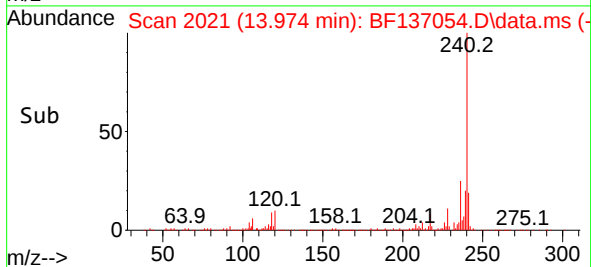
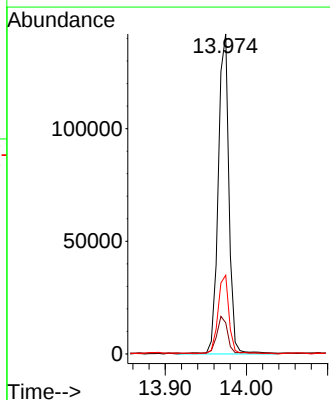
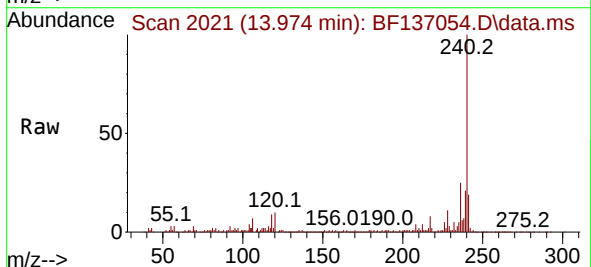
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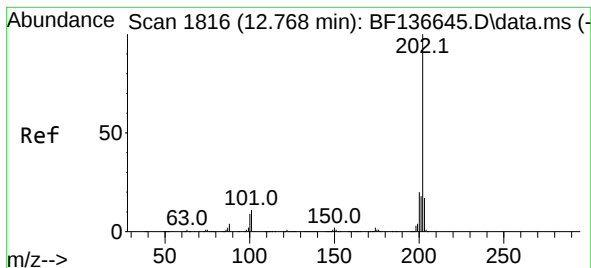
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

Tgt Ion:240 Resp: 130488
Ion Ratio Lower Upper
240 100
120 9.7 10.3 15.5#
236 24.6 19.4 29.2





#78

Pyrene

Concen: 14.485 ng

RT: 12.763 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Instrument :

BNA_F

ClientSampleId :

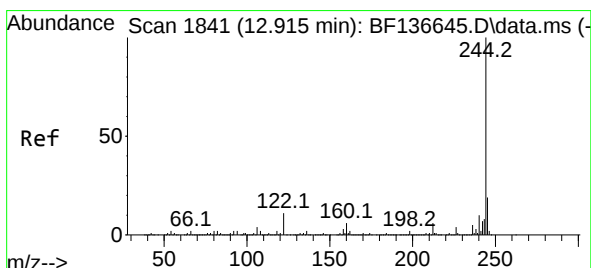
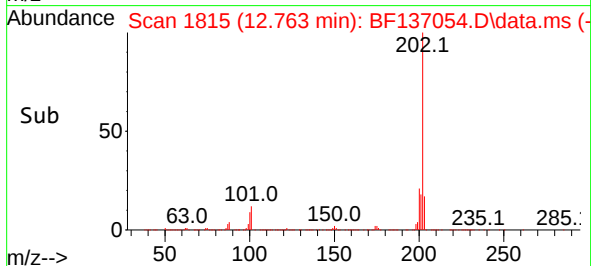
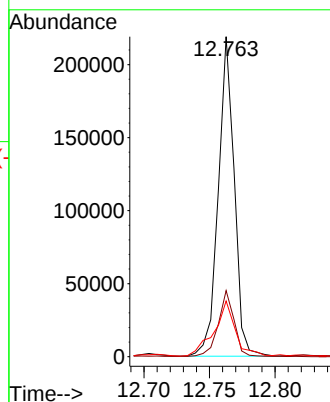
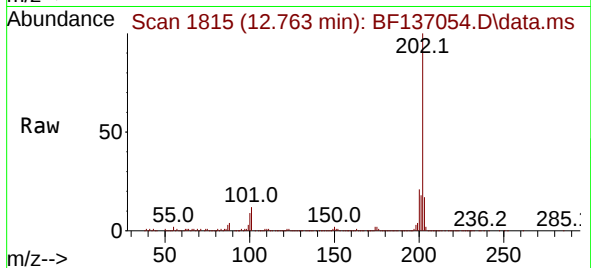
TP-1

Tgt Ion:	202	Resp:	18554
Ion Ratio	Lower	Upper	
202	100		
200	20.7	15.9	23.9
203	17.4	13.8	20.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#79

Terphenyl-d14

Concen: 33.450 ng

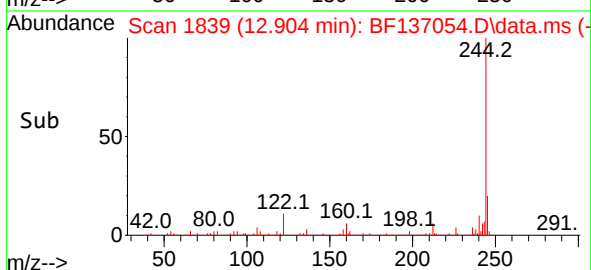
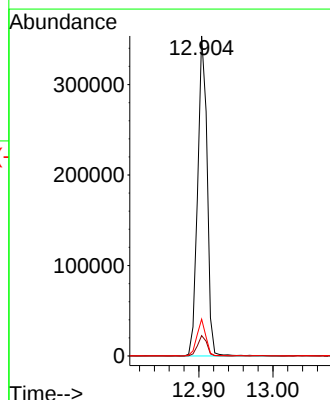
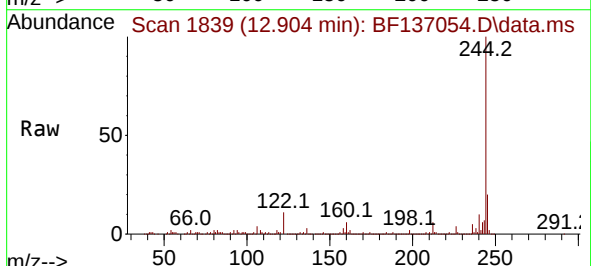
RT: 12.904 min Scan# 1839

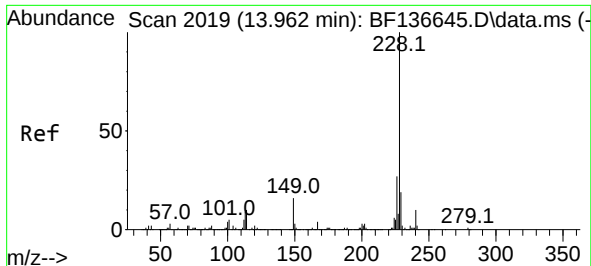
Delta R.T. -0.012 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Tgt Ion:	244	Resp:	312339
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.0	7.4
122	11.5	9.0	13.4





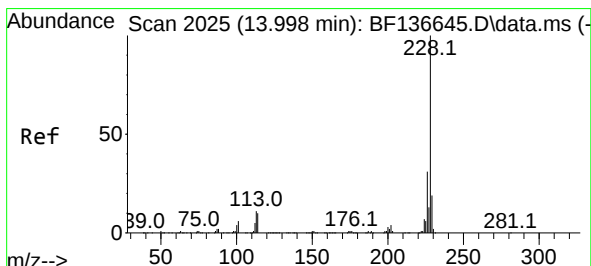
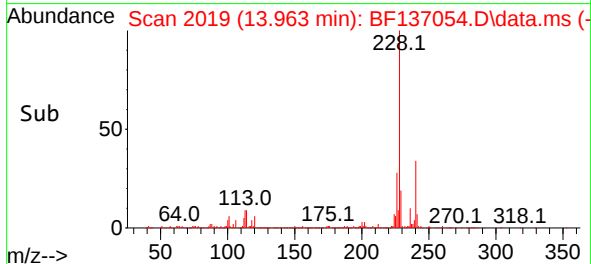
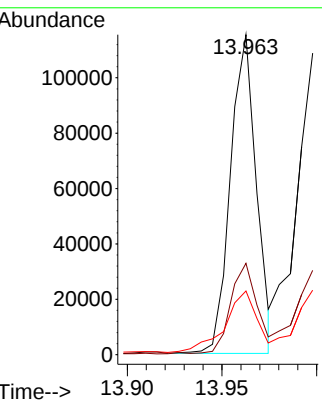
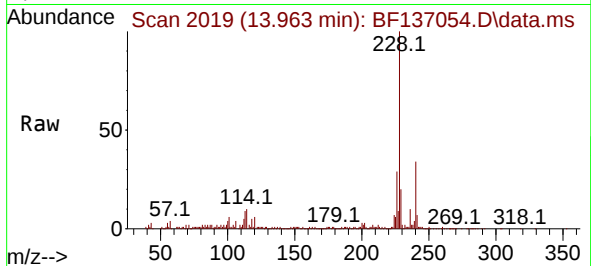
#81
Benzo(a)anthracene
Concen: 12.098 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:228 Resp: 10962
Ion Ratio Lower Upper
228 100
226 28.5 21.4 32.0
229 19.9 14.9 22.3

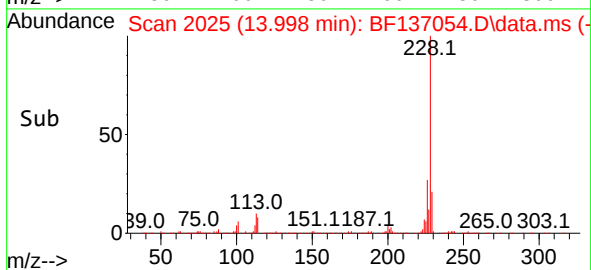
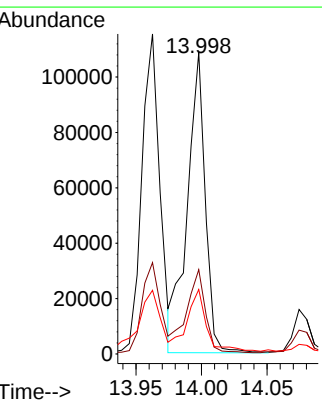
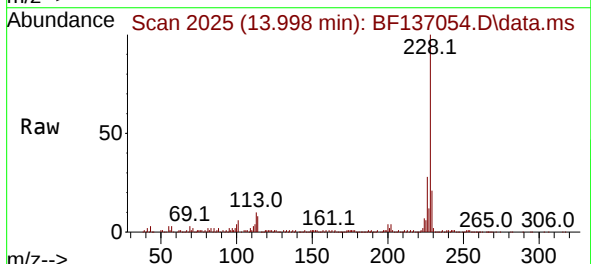
Manual Integrations
APPROVED

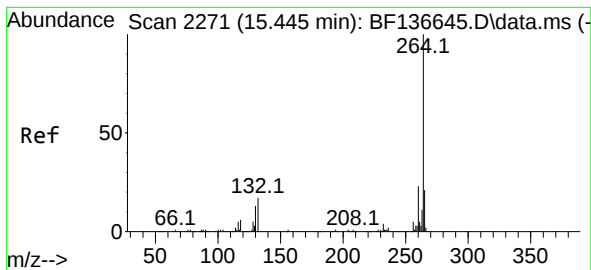
Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#83
Chrysene
Concen: 11.772 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137054.D
Acq: 12 Jan 2024 17:56

Tgt Ion:228 Resp: 104307
Ion Ratio Lower Upper
228 100
226 28.0 24.7 37.1
229 21.4 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Instrument :

BNA_F

ClientSampleId :

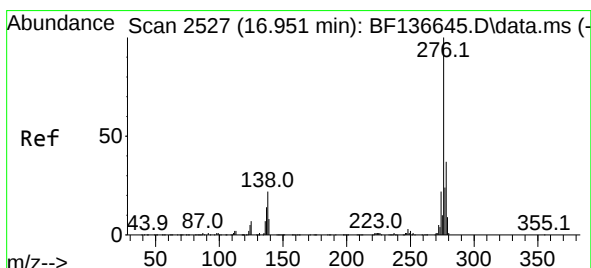
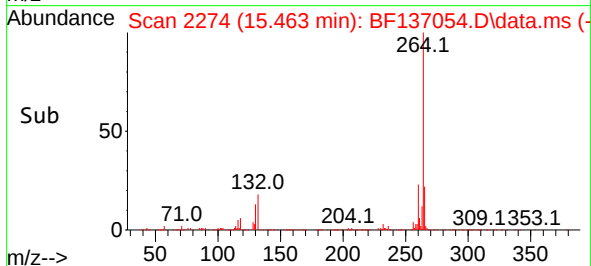
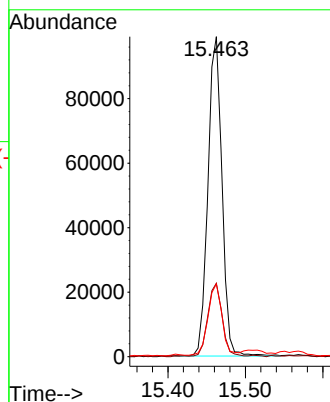
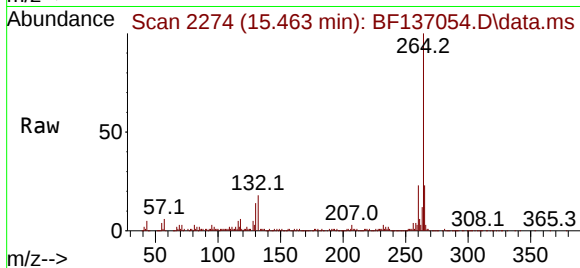
TP-1

Tgt Ion:264 Resp: 124559
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.3 27.5
 265 22.7 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
 Supervised By :mohammad ahmed 01/16/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.063 ng

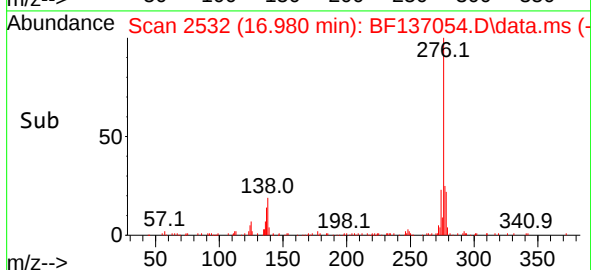
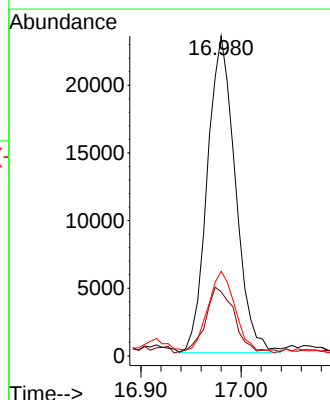
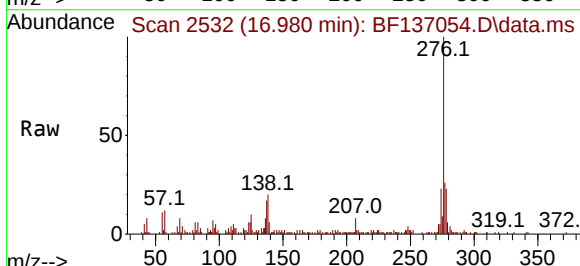
RT: 16.980 min Scan# 2532

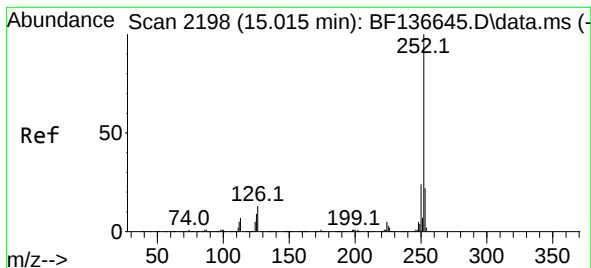
Delta R.T. 0.030 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Tgt Ion:276 Resp: 45534
 Ion Ratio Lower Upper
 276 100
 138 20.0 18.7 28.1
 277 25.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 15.173 ng m

RT: 15.021 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Instrument :

BNA_F

ClientSampleId :

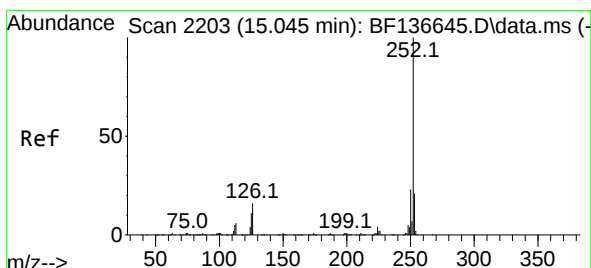
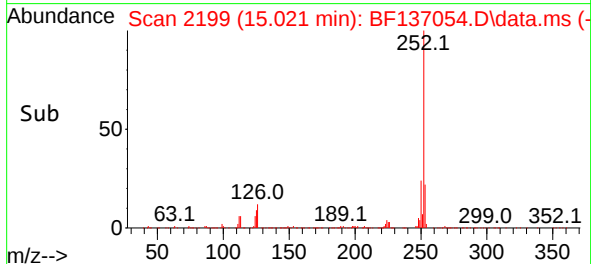
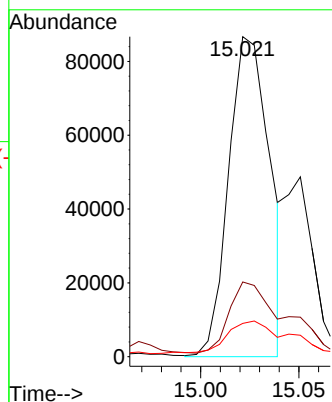
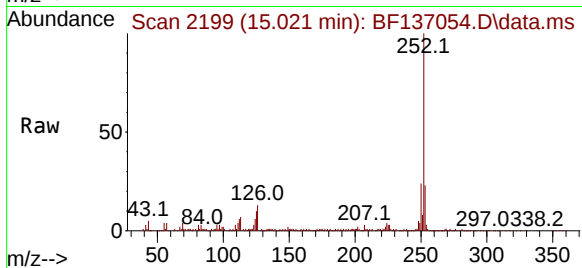
TP-1

Tgt Ion:252 Resp: 126227
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.4 26.0
 125 10.4 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
 Supervised By :mohammad ahmed 01/16/2024



#89

Benzo(k)fluoranthene

Concen: 6.225 ng m

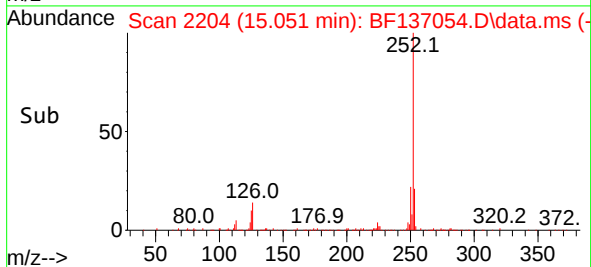
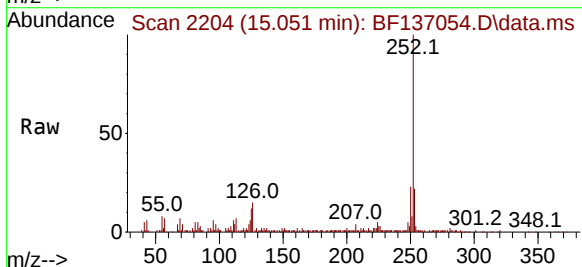
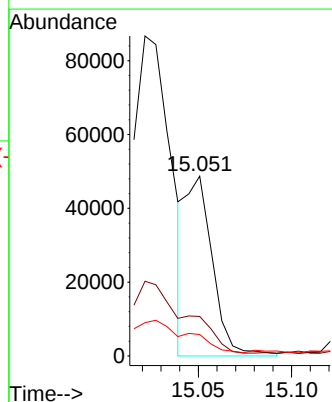
RT: 15.051 min Scan# 2204

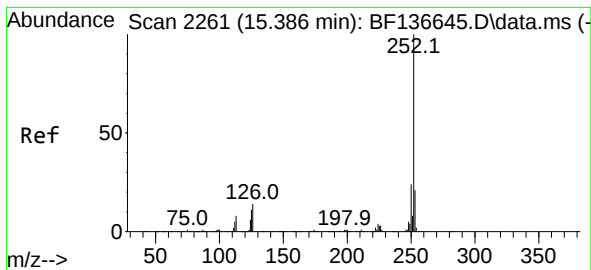
Delta R.T. 0.006 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Tgt Ion:252 Resp: 48935
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.0 25.6
 125 11.9 8.2 12.4





#90

Benzo(a)pyrene

Concen: 12.653 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Instrument :

BNA_F

ClientSampleId :

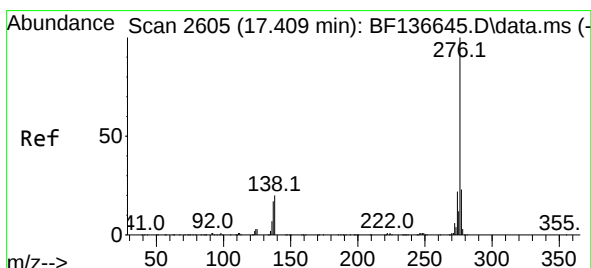
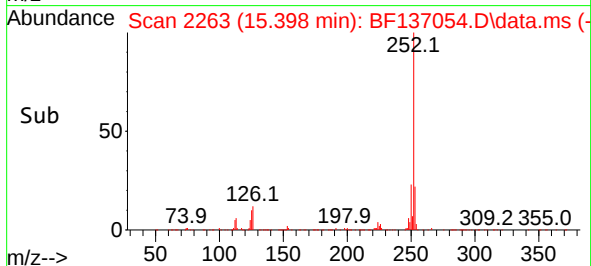
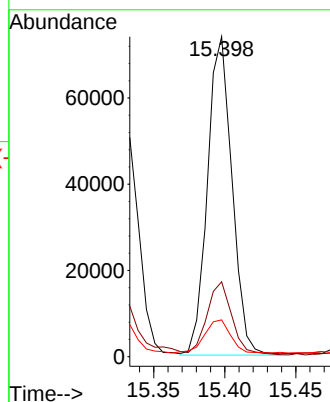
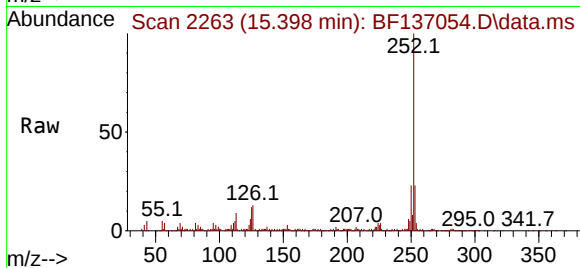
TP-1

Tgt Ion:	252	Resp:	8885
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	11.5	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/15/2024
Supervised By :mohammad ahmed 01/16/2024



#92

Benzo(g,h,i)perylene

Concen: 5.537 ng

RT: 17.445 min Scan# 2611

Delta R.T. 0.035 min

Lab File: BF137054.D

Acq: 12 Jan 2024 17:56

Tgt Ion:	276	Resp:	41843
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.3	27.5
138	17.5	15.6	23.4

