

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137060.D
 Acq On : 15 Jan 2024 12:30
 Operator : CG\JU
 Sample : P1107-01DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124DL

Manual Integrations
 APPROVED

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

Quant Time: Jan 15 12:55:13 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	41705	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	150670	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	70472	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	134853	20.000	ng	0.00
76) Chrysene-d12	13.974	240	120516	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	129954	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	8313	3.110	ng	0.01
7) Phenol-d6	6.451	99	10242	2.957	ng	0.01
23) Nitrobenzene-d5	7.345	82	5894	2.002	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	2921	3.519	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	13424	2.562	ng	-0.02
79) Terphenyl-d14	12.904	244	16415	1.903	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.851	154	9620	2.258	ng	99
55) Dibenzofuran	10.022	168	16592	2.570	ng	97
58) Fluorene	10.369	166	25185	4.916	ng	94
71) Phenanthrene	11.333	178	165246	23.882	ng	98
72) Anthracene	11.386	178	56054	7.999	ng	97
73) Carbazole	11.551	167	14112	2.136	ng	98
75) Fluoranthene	12.533	202	189999	25.671	ng	98
78) Pyrene	12.763	202	148542	12.556	ng	99
81) Benzo(a)anthracene	13.963	228	80413	9.609	ng	99
83) Chrysene	13.998	228	67478	8.246	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	29753	3.171	ng	97
88) Benzo(b)fluoranthene	15.021	252	85847m	9.891	ng	
89) Benzo(k)fluoranthene	15.051	252	22613m	2.757	ng	
90) Benzo(a)pyrene	15.398	252	56088	7.655	ng	95
92) Benzo(g,h,i)perylene	17.445	276	26735	3.391	ng	92

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

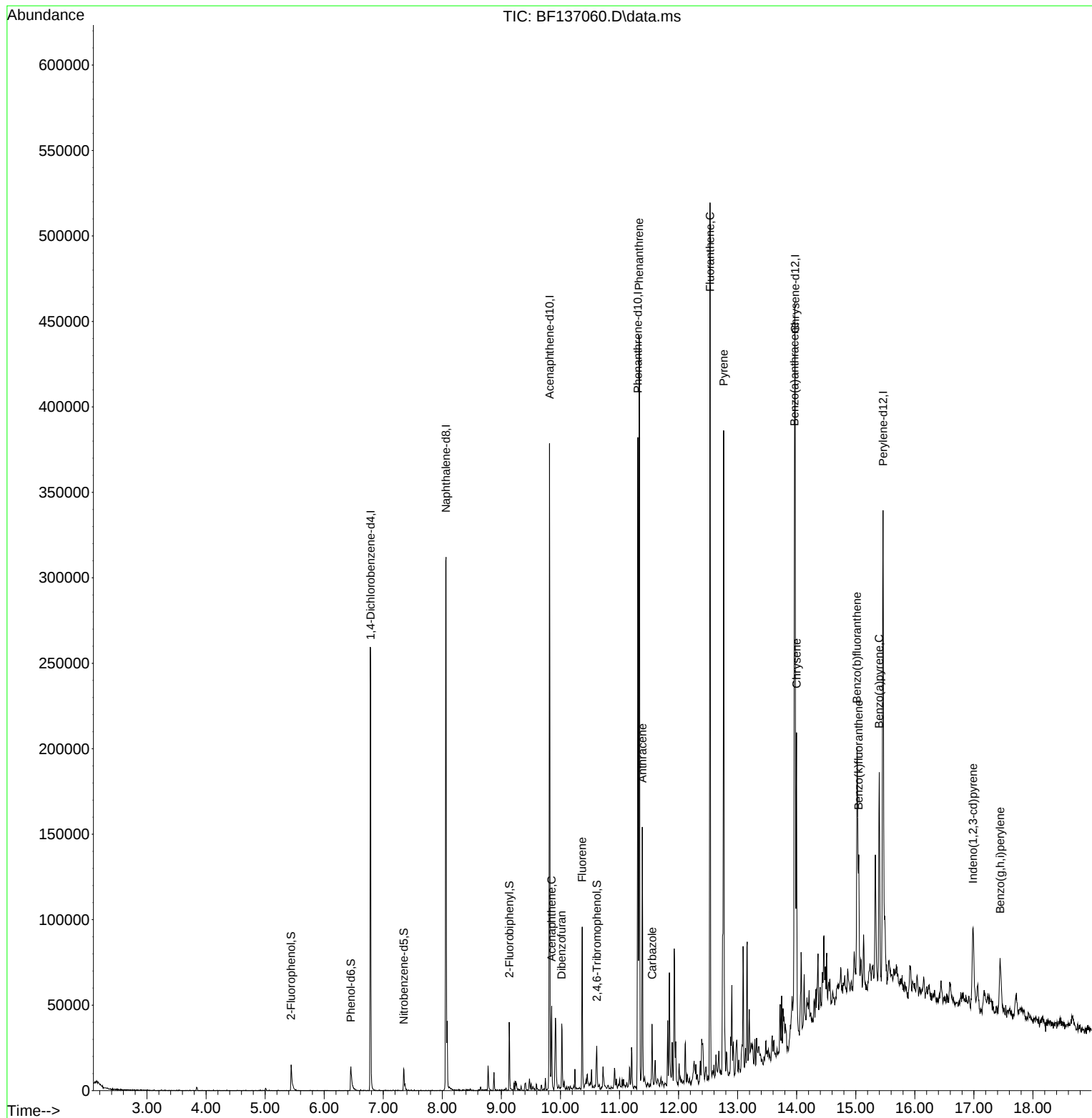
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
Data File : BF137060.D
Acq On : 15 Jan 2024 12:30
Operator : CG\JU
Sample : P1107-01DL 25X
Misc :
ALS Vial : 4 Sample Multiplier: 1

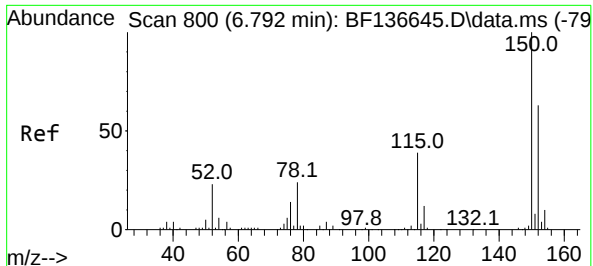
Instrument :
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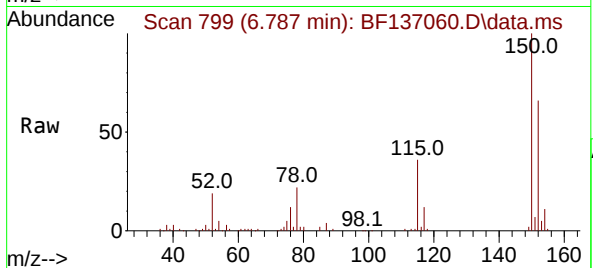
Quant Time: Jan 15 12:55:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

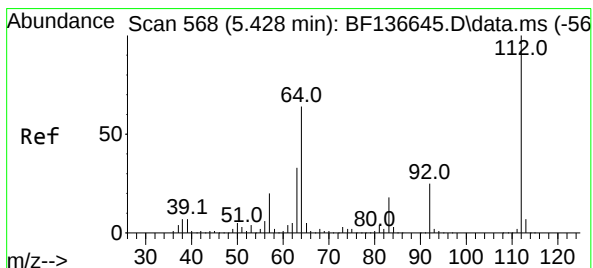
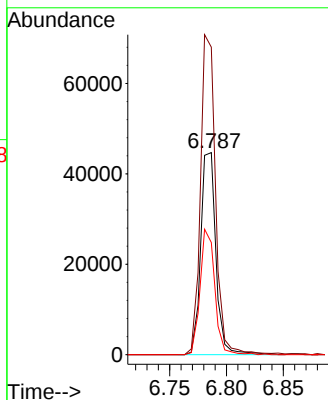
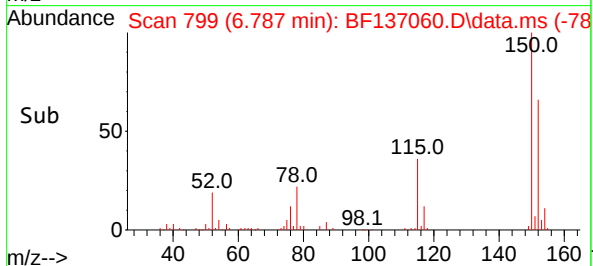
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL



Tgt Ion:152 Resp: 4170
Ion Ratio Lower Upper
152 100
150 152.2 127.0 190.6
115 55.5 49.0 73.4

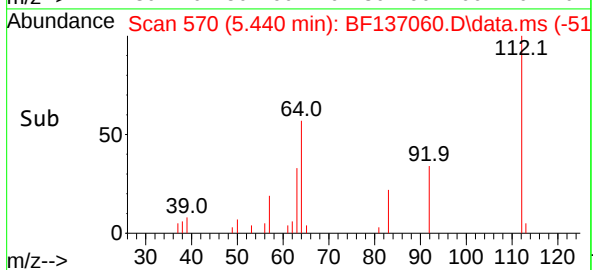
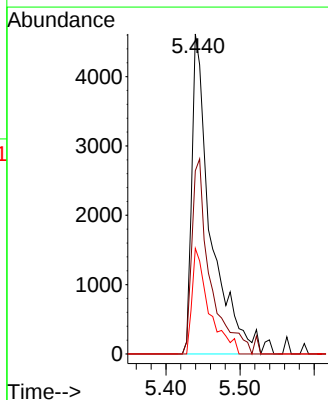
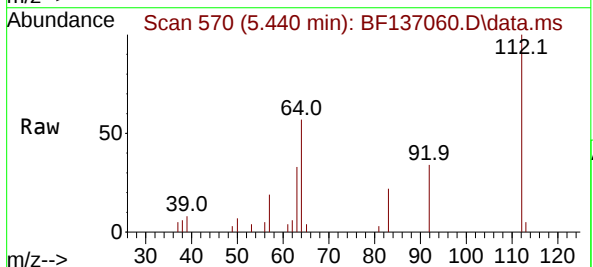
Manual Integrations
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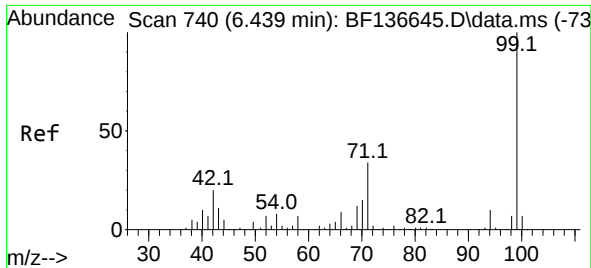
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#5
2-Fluorophenol
Concen: 3.110 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

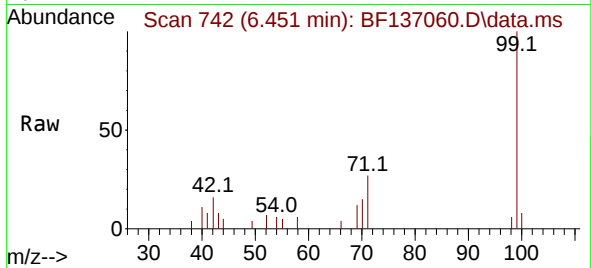
Tgt Ion:112 Resp: 8313
Ion Ratio Lower Upper
112 100
64 57.2 51.1 76.7
63 33.0 26.1 39.1





#7
Phenol-d6
Concen: 2.957 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

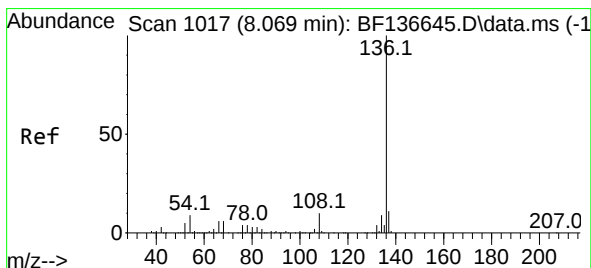
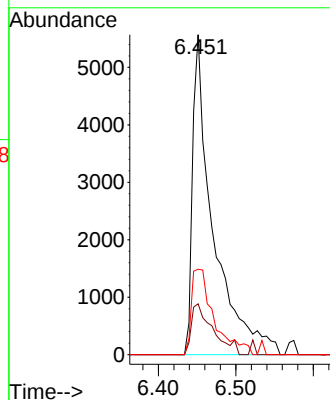
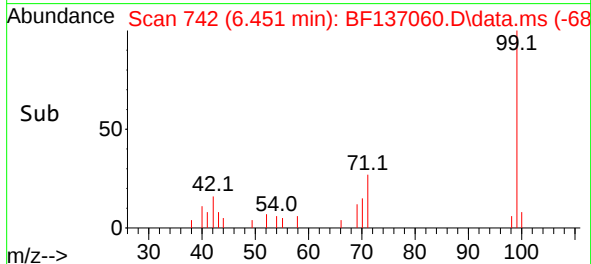
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ClientSampleId :
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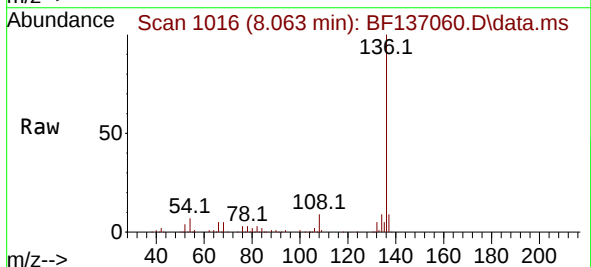
Tgt Ion: 99 Resp: 1024
Ion Ratio Lower Upper
99 100
42 15.9 16.1 24.1#
71 26.7 27.4 41.2#

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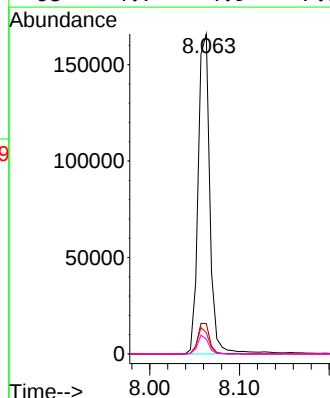
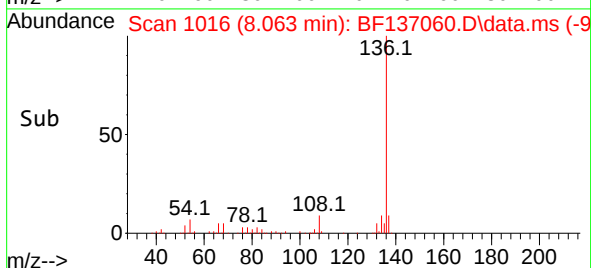
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

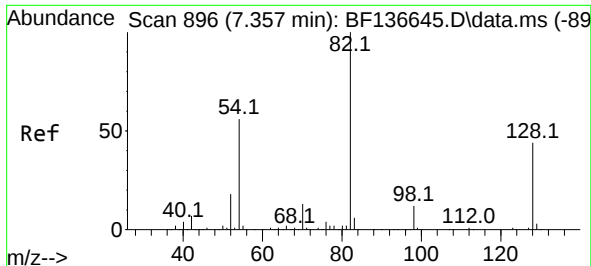


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30



Tgt Ion:136 Resp: 150670
Ion Ratio Lower Upper
136 100
137 9.5 9.0 13.4
54 6.7 7.2 10.8#
68 4.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 2.002 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

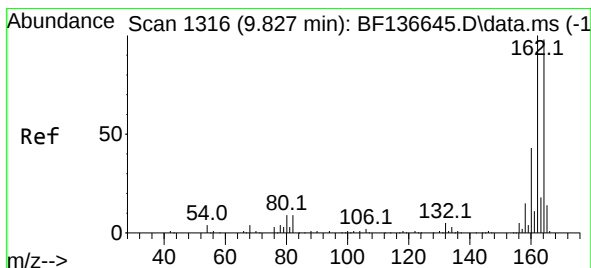
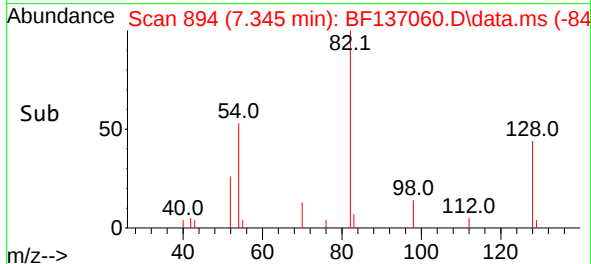
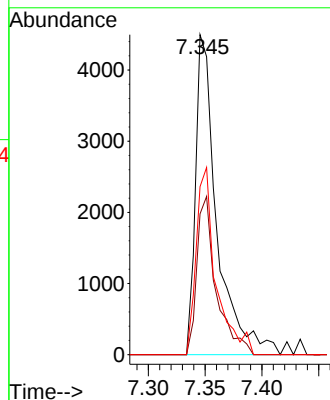
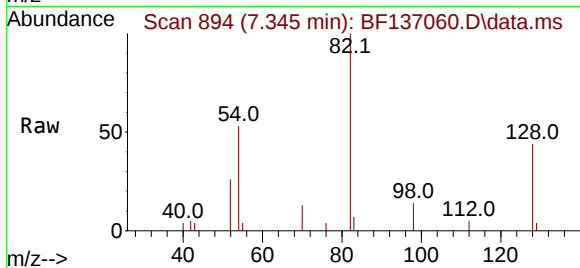
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Tgt Ion: 82 Resp: 5894
Ion Ratio Lower Upper
82 100
128 44.0 35.3 52.9
54 52.5 44.5 66.7

Manual Integrations

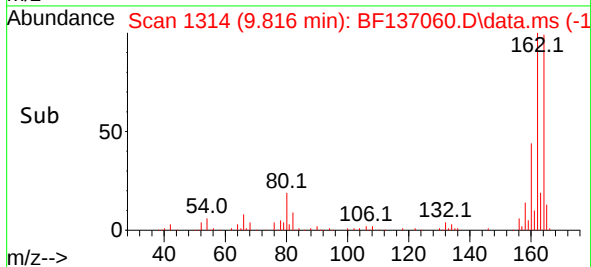
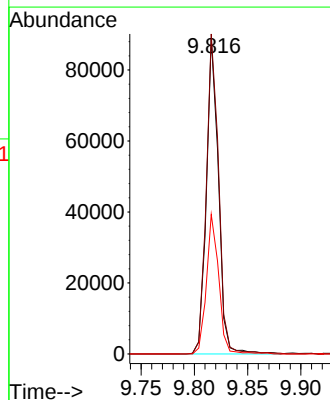
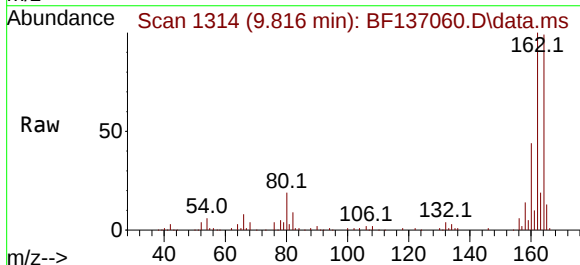
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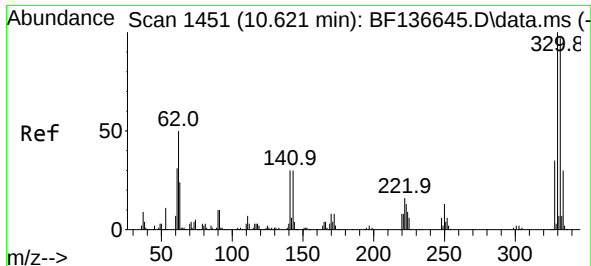
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

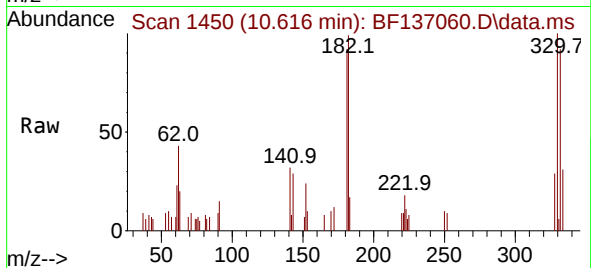
Tgt Ion:164 Resp: 70472
Ion Ratio Lower Upper
164 100
162 101.2 81.6 122.4
160 44.2 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 3.519 ng
RT: 10.616 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

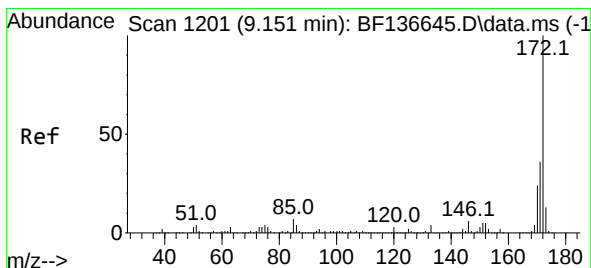
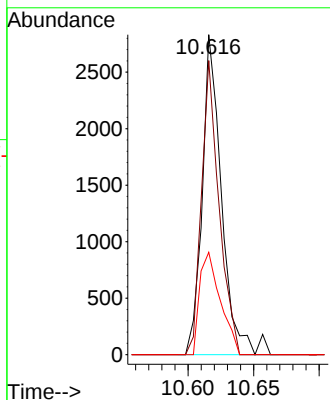
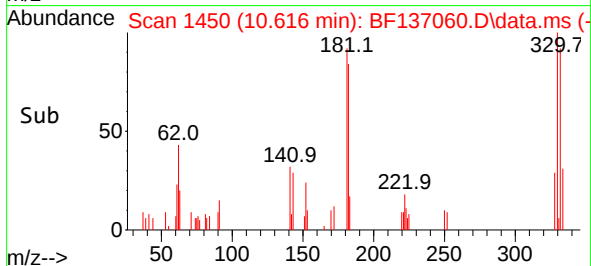
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL



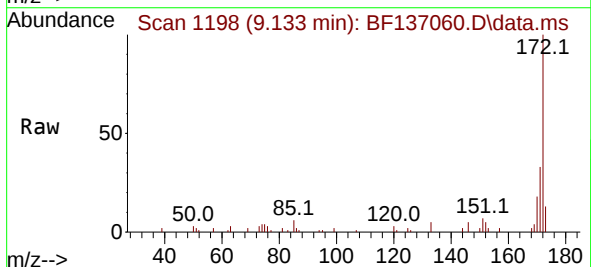
Tgt Ion: 330 Resp: 292
Ion Ratio Lower Upper
330 100
332 83.0 77.4 116.0
141 34.1 23.4 35.2

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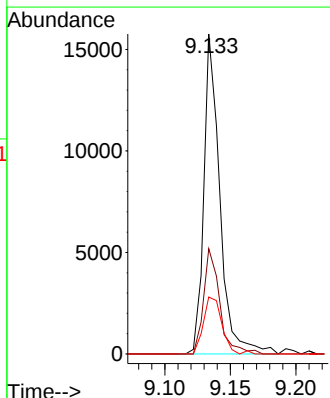
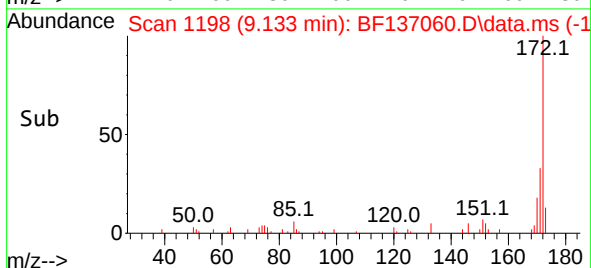
Reviewed By : Jagrut Upadhyay 01/16/2024
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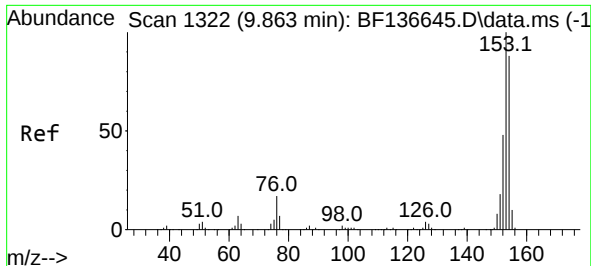


#45
2-Fluorobiphenyl
Concen: 2.562 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30



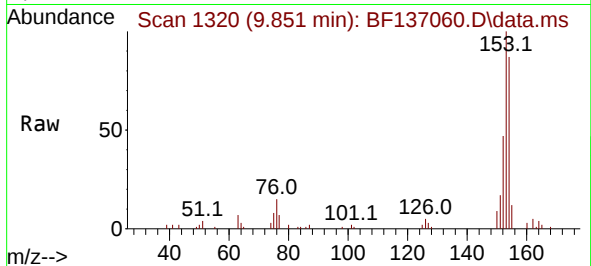
Tgt Ion: 172 Resp: 13424
Ion Ratio Lower Upper
172 100
171 32.9 29.0 43.6
170 17.8 19.0 28.4





#52
Acenaphthene
Concen: 2.258 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

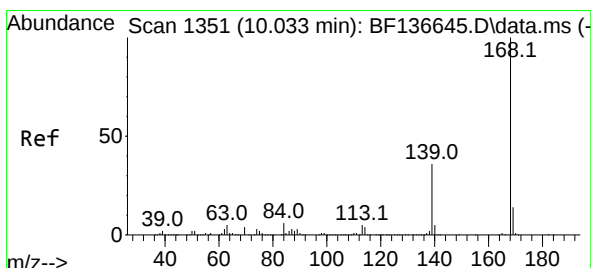
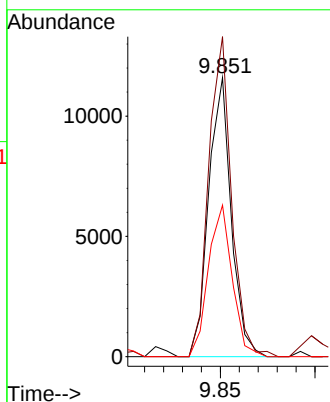
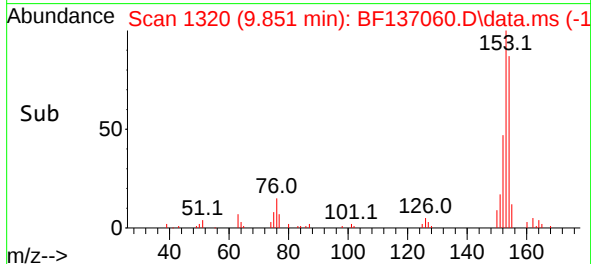
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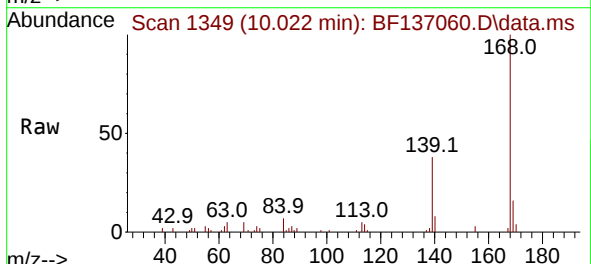
Tgt Ion:154 Resp: 9620
Ion Ratio Lower Upper
154 100
153 114.7 90.7 136.1
152 54.3 43.7 65.5

Manual Integrations
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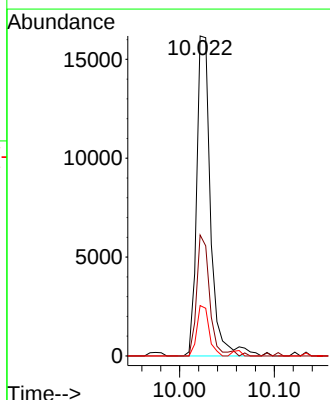
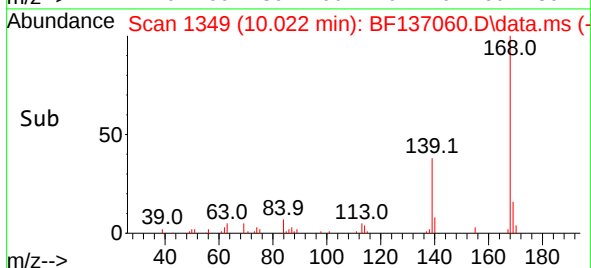
Reviewed By :Jagrut Upadhyay 01/16/2024
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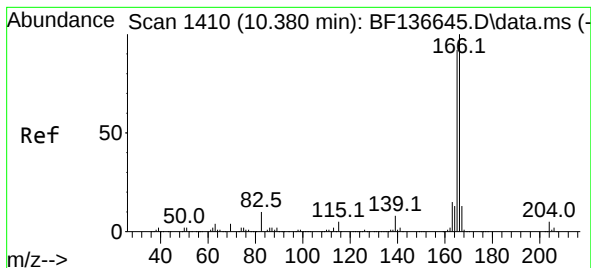


#55
Dibenzofuran
Concen: 2.570 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30



Tgt Ion:168 Resp: 16592
Ion Ratio Lower Upper
168 100
139 37.8 29.3 43.9
169 15.8 11.0 16.4





#58

Fluorene

Concen: 4.916 ng

RT: 10.369 min Scan# 1410

Delta R.T. -0.012 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

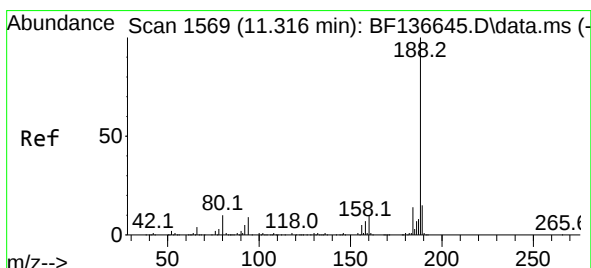
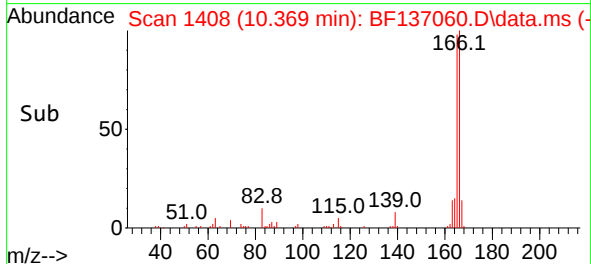
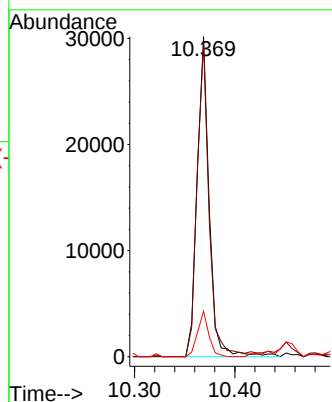
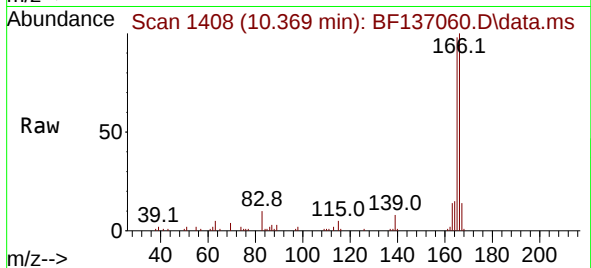
OK-01-11124DL

Tgt Ion:166 Resp: 25185
 Ion Ratio Lower Upper
 166 100
 165 98.2 73.7 110.5
 167 14.2 10.4 15.6

Manual Integrations

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 Supervised By :mohammad ahmed 01/17/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

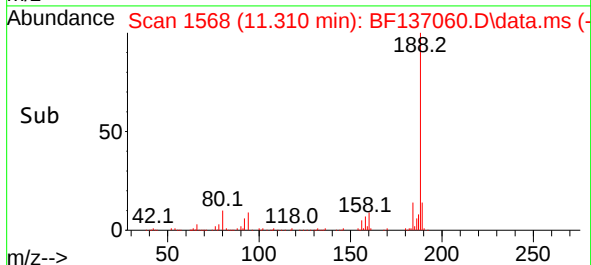
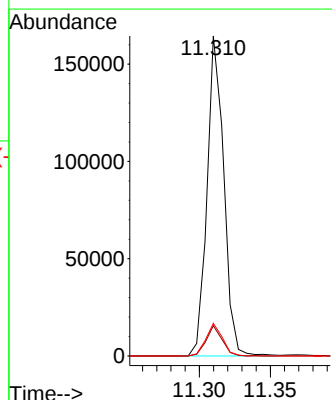
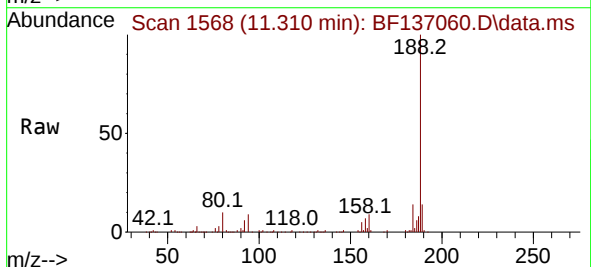
RT: 11.310 min Scan# 1568

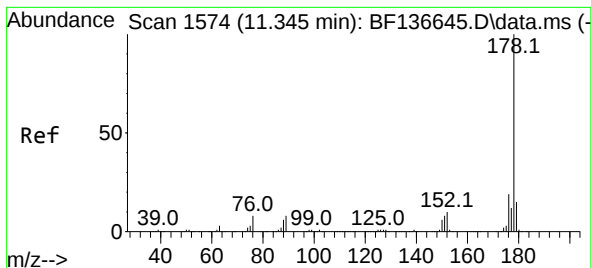
Delta R.T. -0.006 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Tgt Ion:188 Resp: 134853
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.5 11.3
 80 10.2 8.1 12.1





#71

Phenanthrene

Concen: 23.882 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

OK-01-11124DL

Tgt Ion:178 Resp: 165240

Ion Ratio Lower Upper

178 100

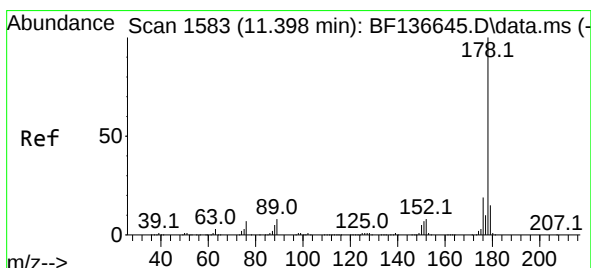
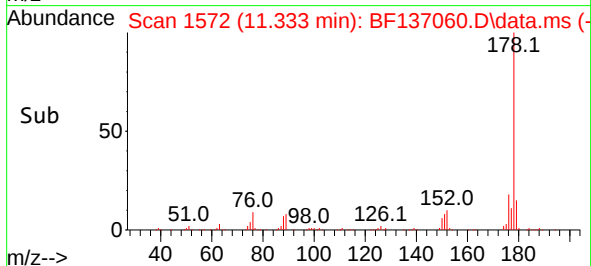
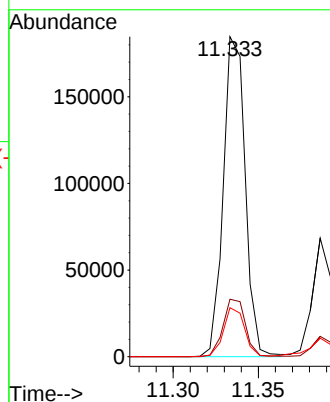
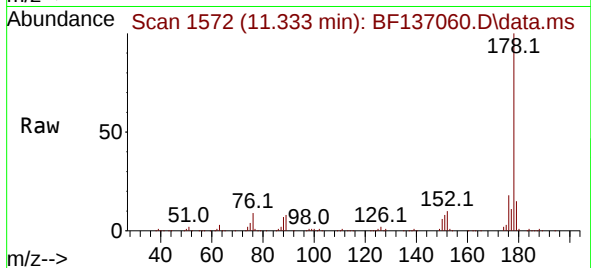
176 18.0 15.3 22.9

179 15.3 11.9 17.9

Manual Integrations

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#72

Anthracene

Concen: 7.999 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

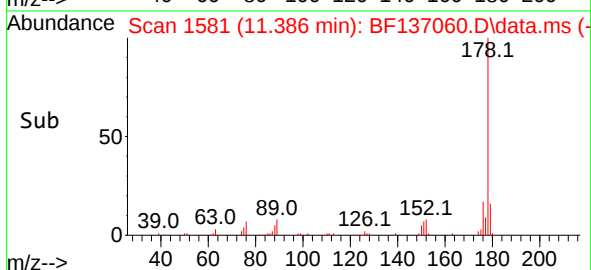
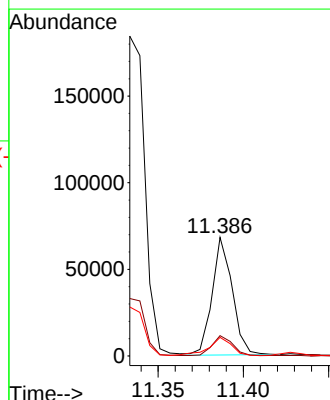
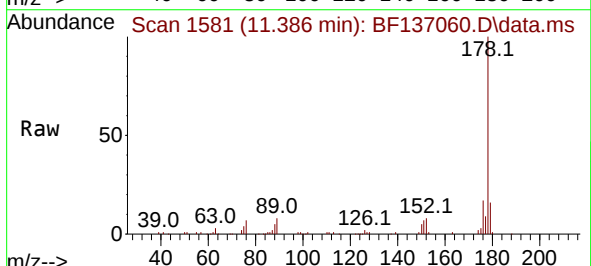
Tgt Ion:178 Resp: 56054

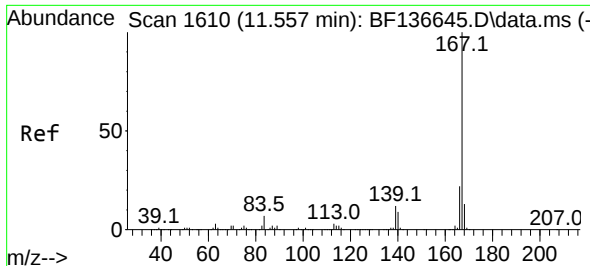
Ion Ratio Lower Upper

178 100

176 17.2 14.9 22.3

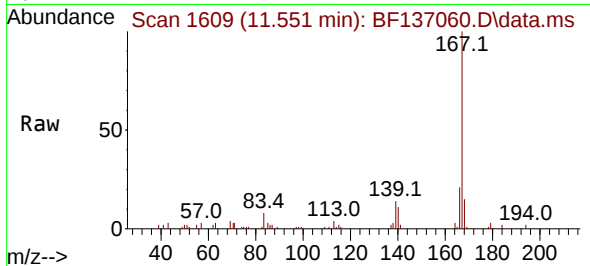
179 15.6 11.8 17.6





#73
 Carbazole
 Concen: 2.136 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

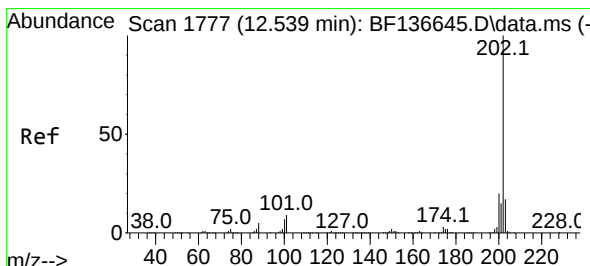
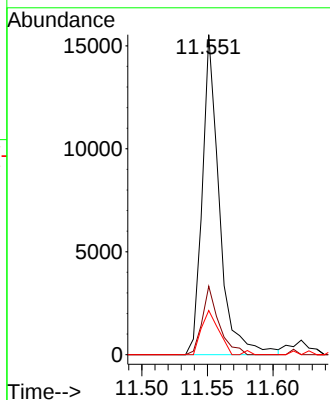
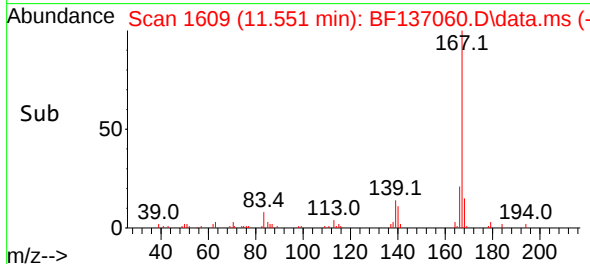
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124DL



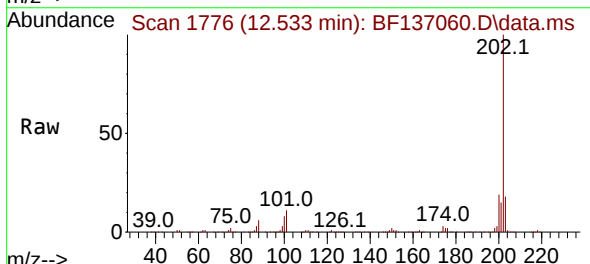
Tgt Ion:167 Resp: 1411
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 13.8 9.8 14.6

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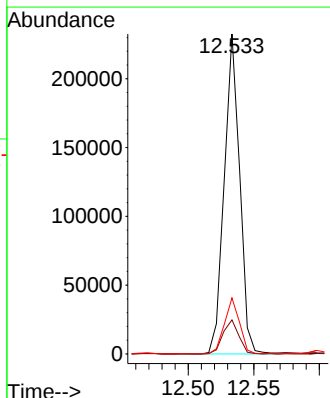
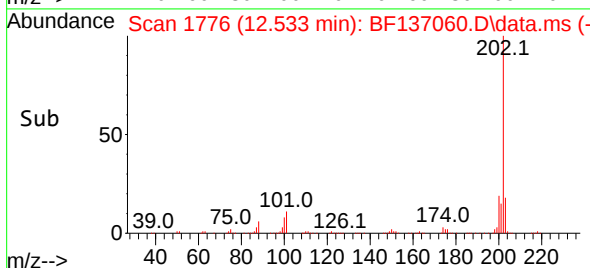
Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

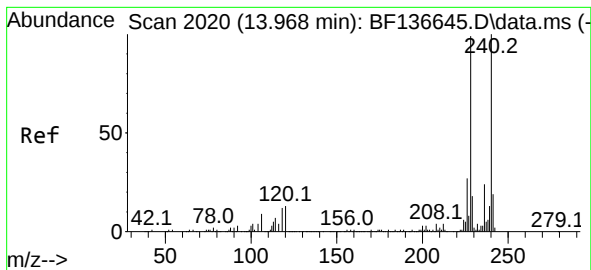


#75
 Fluoranthene
 Concen: 25.671 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30



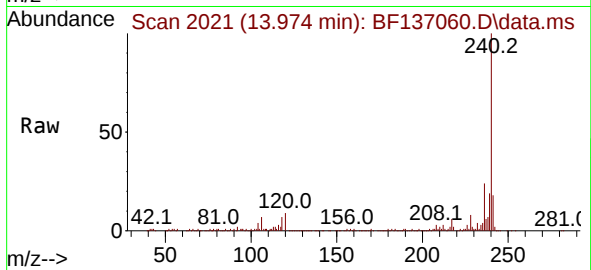
Tgt Ion:202 Resp: 189999
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 29.3
 203 17.5 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

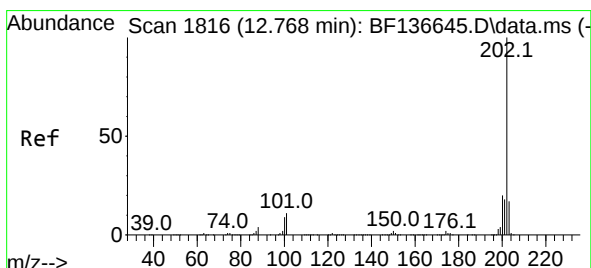
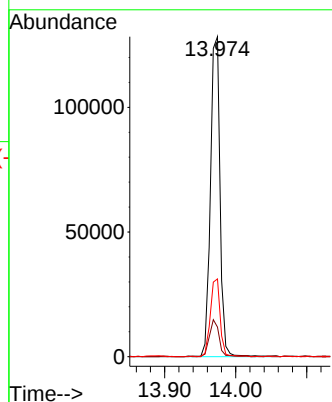
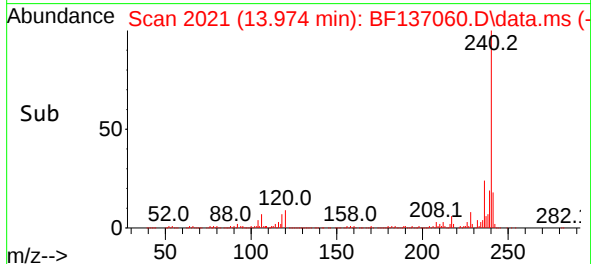
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL



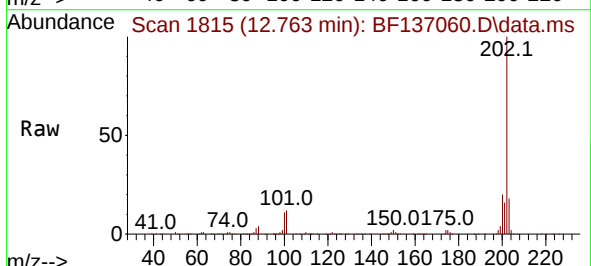
Tgt Ion:240 Resp: 120510
Ion Ratio Lower Upper
240 100
120 9.2 10.3 15.5
236 24.3 19.4 29.2

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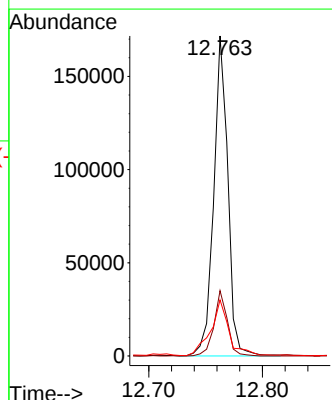
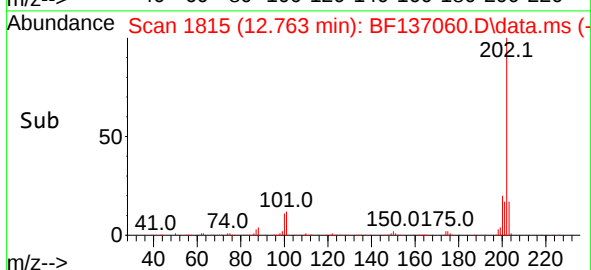
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

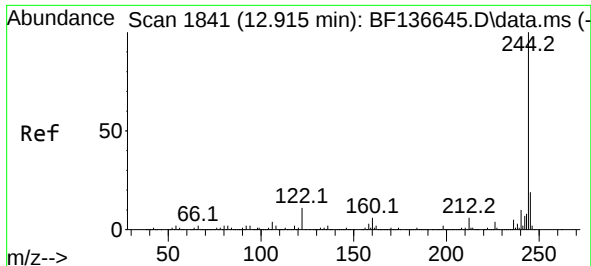


#78
Pyrene
Concen: 12.556 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30



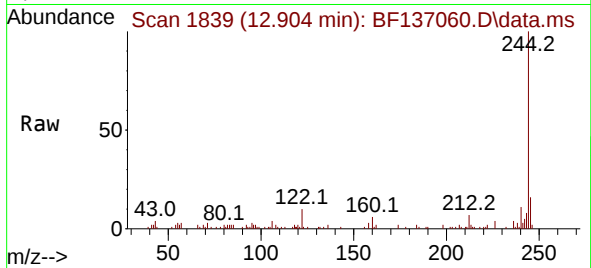
Tgt Ion:202 Resp: 148542
Ion Ratio Lower Upper
202 100
200 20.4 15.9 23.9
203 17.5 13.8 20.6





#79
 Terphenyl-d14
 Concen: 1.903 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

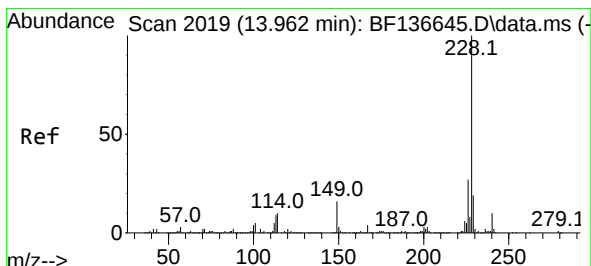
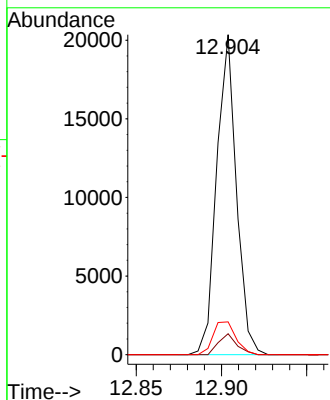
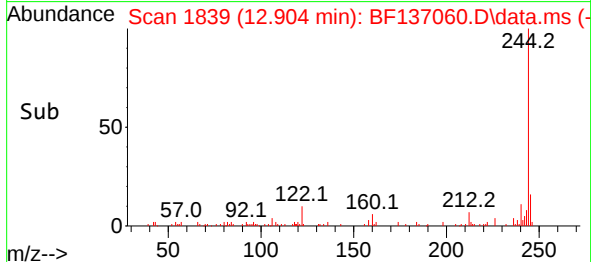
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124DL



Tgt Ion:244 Resp: 16415
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 10.2 9.0 13.4

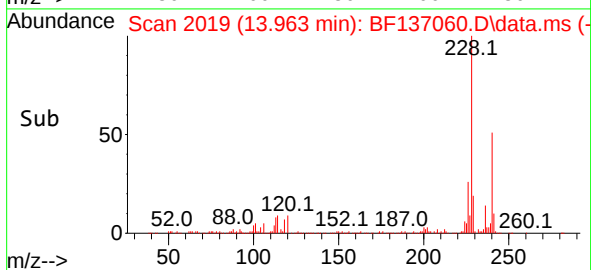
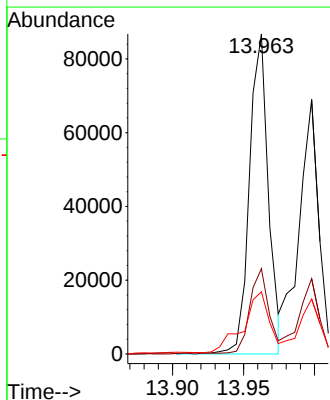
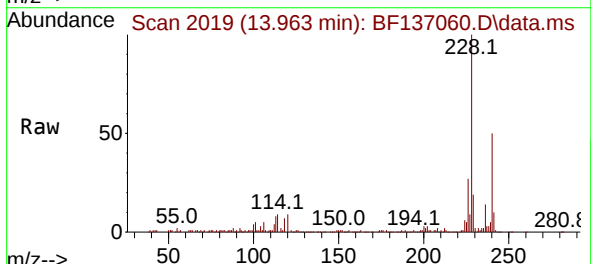
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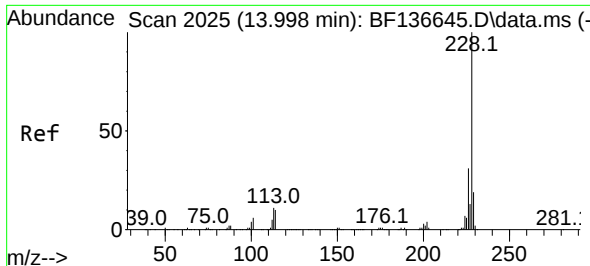
Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024



#81
 Benzo(a)anthracene
 Concen: 9.609 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

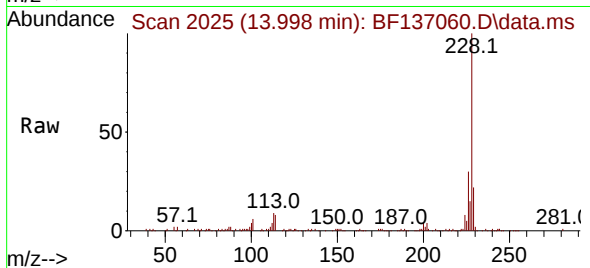
Tgt Ion:228 Resp: 80413
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.4 32.0
 229 19.4 14.9 22.3





#83
Chrysene
Concen: 8.246 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

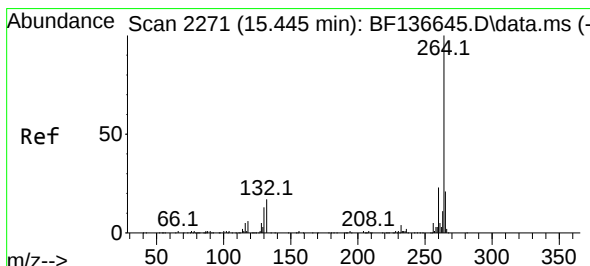
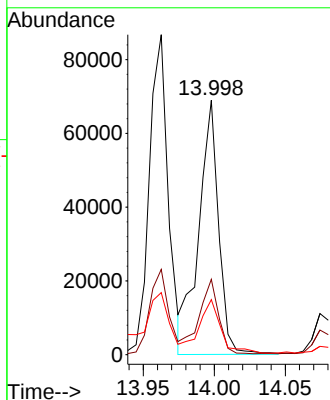
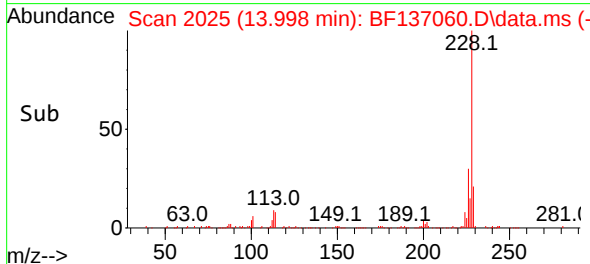
Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL



Tgt Ion:228 Resp: 67478
Ion Ratio Lower Upper
228 100
226 29.6 24.7 37.1
229 21.6 15.4 23.0

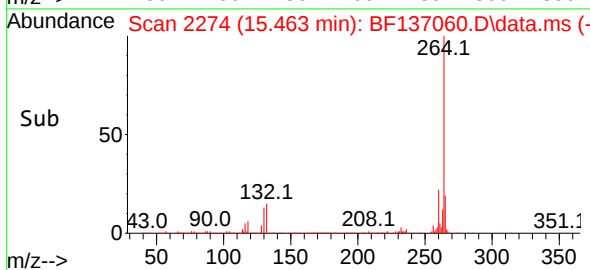
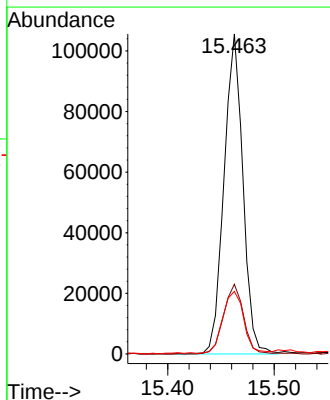
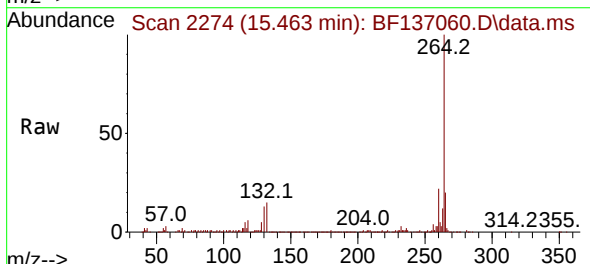
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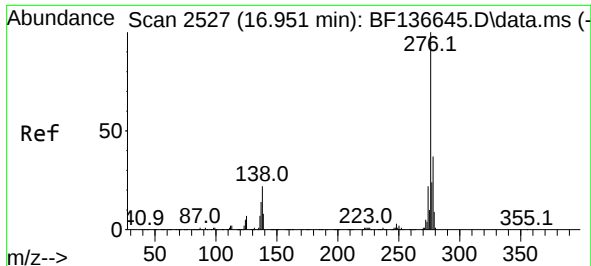
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. 0.018 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

Tgt Ion:264 Resp: 129954
Ion Ratio Lower Upper
264 100
260 21.8 18.3 27.5
265 19.6 17.0 25.6





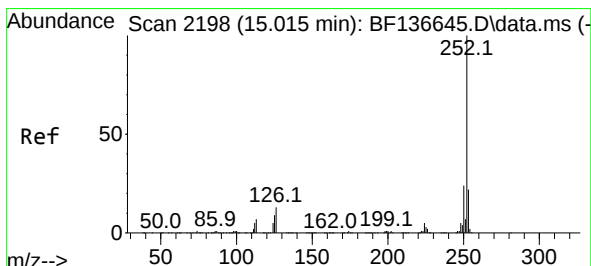
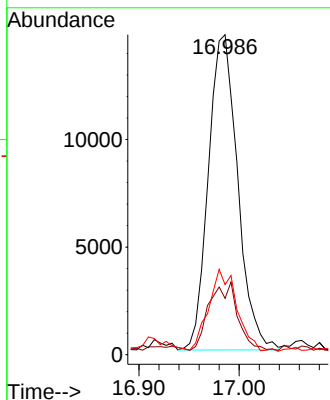
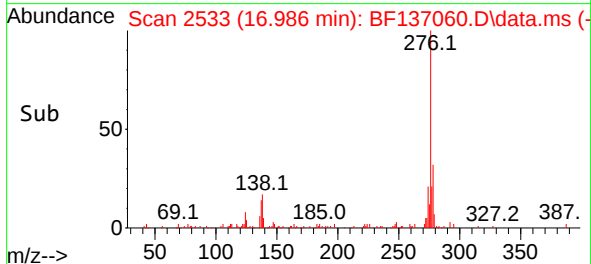
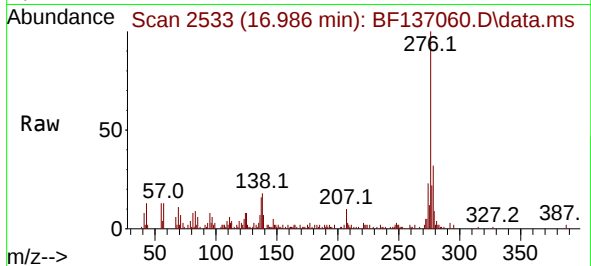
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.171 ng
RT: 16.986 min Scan# 2199
Delta R.T. 0.035 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

Instrument :
BNA_F
ClientSampleId :
OK-01-11124DL

Tgt Ion:276 Resp: 2975
Ion Ratio Lower Upper
276 100
138 21.1 18.7 28.1
277 24.4 20.2 30.2

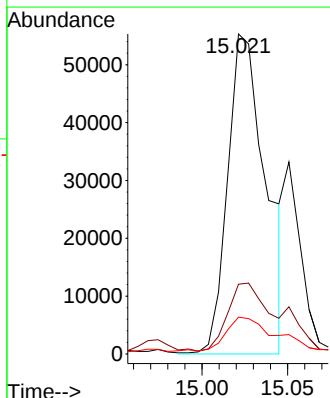
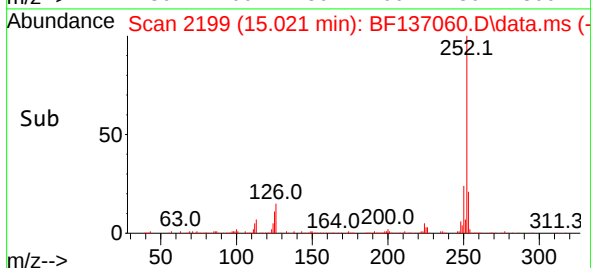
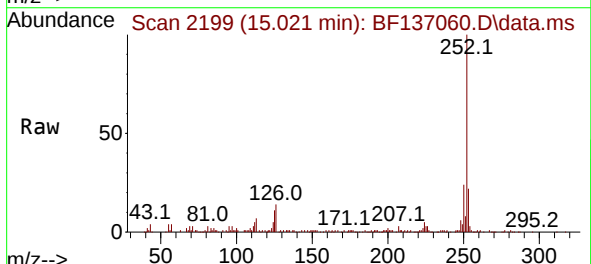
Manual Integrations
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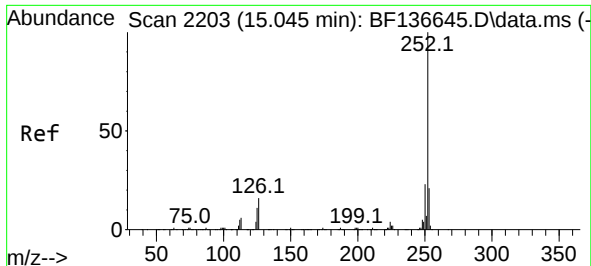
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#88
Benzo(b)fluoranthene
Concen: 9.891 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF137060.D
Acq: 15 Jan 2024 12:30

Tgt Ion:252 Resp: 85847
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 11.5 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 2.757 ng m

RT: 15.051 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

Instrument :

BNA_F

ClientSampleId :

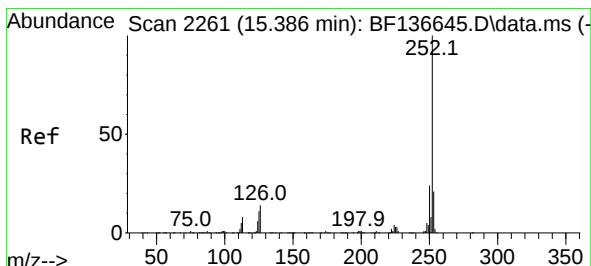
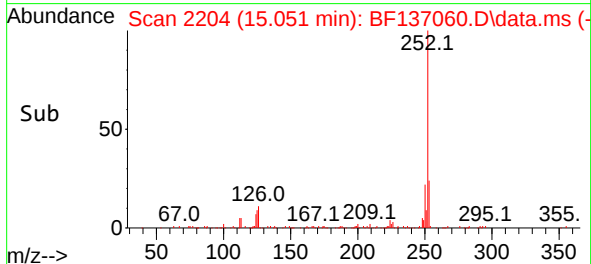
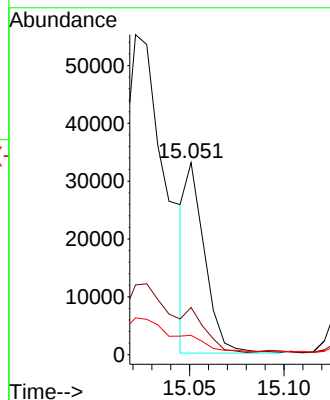
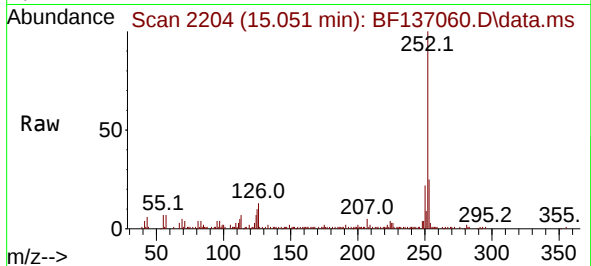
OK-01-11124DL

Tgt Ion:252 Resp: 2261
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.0 25.6
 125 10.1 8.2 12.4

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 7.655 ng

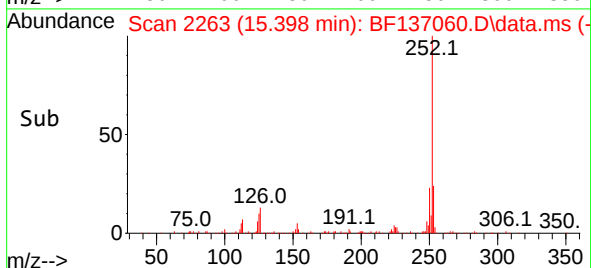
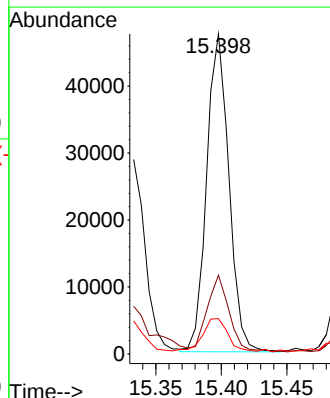
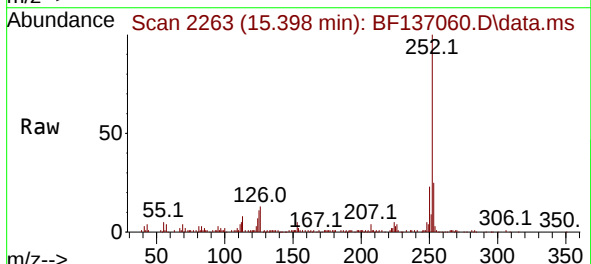
RT: 15.398 min Scan# 2263

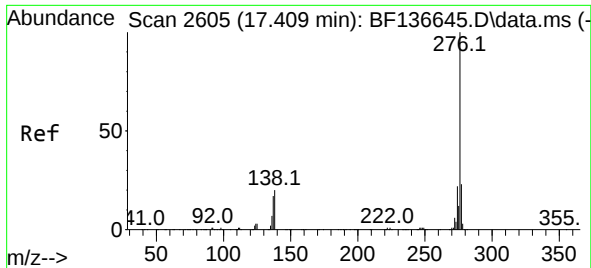
Delta R.T. 0.012 min

Lab File: BF137060.D

Acq: 15 Jan 2024 12:30

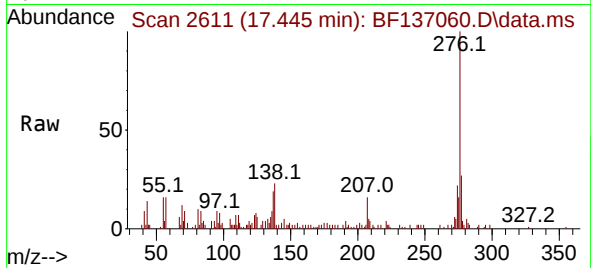
Tgt Ion:252 Resp: 56088
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.0 25.6
 125 11.0 8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.391 ng
 RT: 17.445 min Scan# 20
 Delta R.T. 0.035 min
 Lab File: BF137060.D
 Acq: 15 Jan 2024 12:30

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-11124DL



Tgt Ion:276 Resp: 26735
 Ion Ratio Lower Upper
 276 100
 277 26.7 18.3 27.5
 138 22.9 15.6 23.4

Manual Integrations
 APPROVED

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

