

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022624\
 Data File : BF137394.D
 Acq On : 26 Feb 2024 19:32
 Operator : CG\JU
 Sample : P1538-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

20241107-AMENDED-COMPOSITE-35N-N-4-06

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024

Quant Time: Feb 27 00:40:52 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Feb 24 04:23:49 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	206384	20.000	ng	-0.02
21) Naphthalene-d8	8.057	136	797341	20.000	ng	-0.02
39) Acenaphthene-d10	9.816	164	394716	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	553953	20.000	ng	-0.02
76) Chrysene-d12	13.963	240	381032	20.000	ng	-0.02
86) Perylene-d12	15.445	264	433657	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	457248	34.186	ng	0.00
7) Phenol-d6	6.416	99	1038864	52.801	ng	-0.02
23) Nitrobenzene-d5	7.345	82	1283815	80.384	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	63689	18.529	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	1807664	71.298	ng	-0.02
79) Terphenyl-d14	12.910	244	1491868	54.763	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	12.539	202	69045	2.314	ng	97
78) Pyrene	12.757	202	99893	2.773	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	6891	5.257	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.933	276	23873m	2.635	ng	
88) Benzo(b)fluoranthene	15.010	252	67735m	2.546	ng	
90) Benzo(a)pyrene	15.374	252	60693	2.405	ng	# 97
92) Benzo(g,h,i)perylene	17.380	276	23745	2.962	ng	# 86

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

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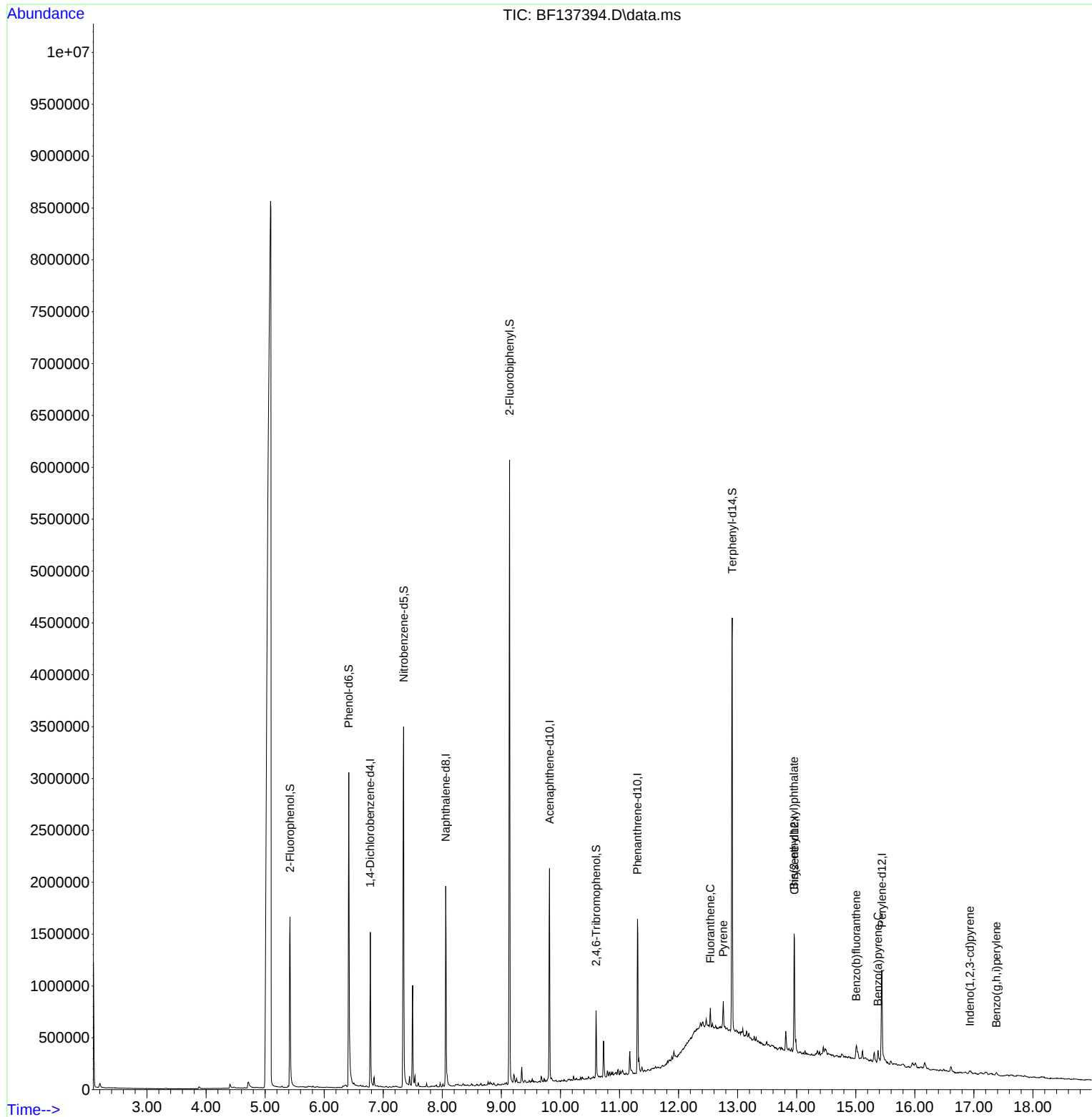
Quant Time: Feb 27 00:40:52 2024

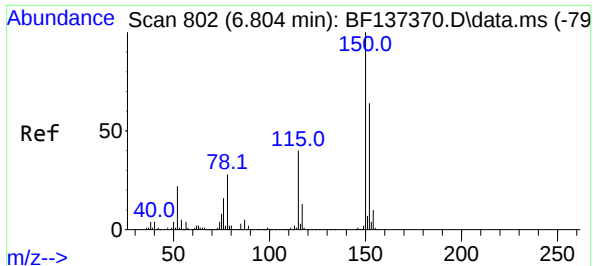
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022324.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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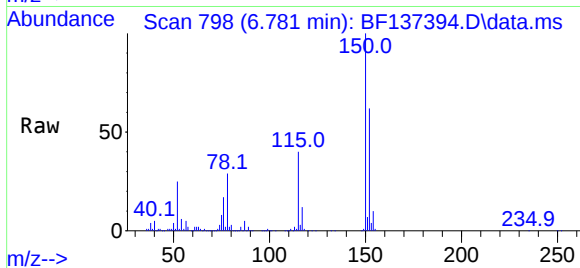
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.023 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

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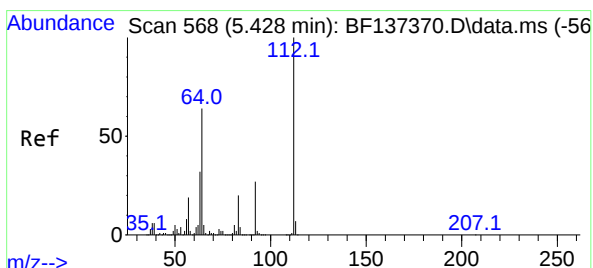
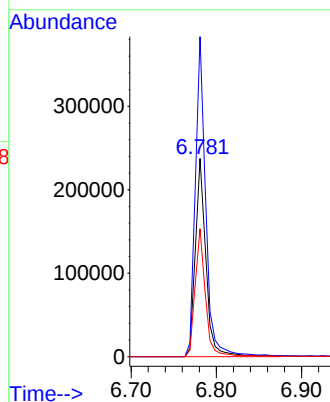
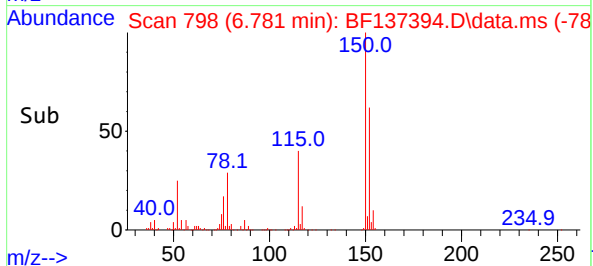
Tgt Ion:152 Resp: 206384
Ion Ratio Lower Upper
152 100
150 161.4 125.7 188.5
115 64.6 49.8 74.8

Manual Integrations

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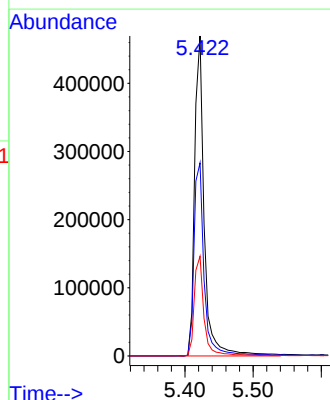
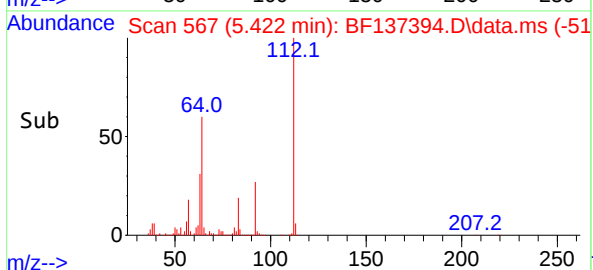
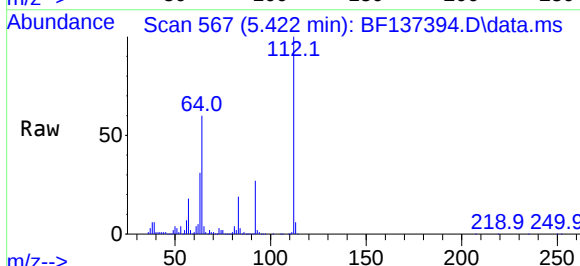
Reviewed By :Yogesh Patel 02/27/2024

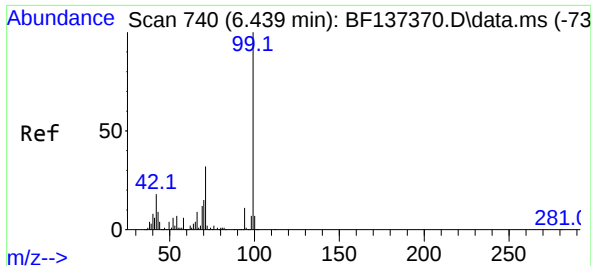
Supervised By :mohammad ahmed 02/27/2024



#5
2-Fluorophenol
Concen: 34.186 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:112 Resp: 457248
Ion Ratio Lower Upper
112 100
64 60.4 51.0 76.6
63 31.1 25.7 38.5





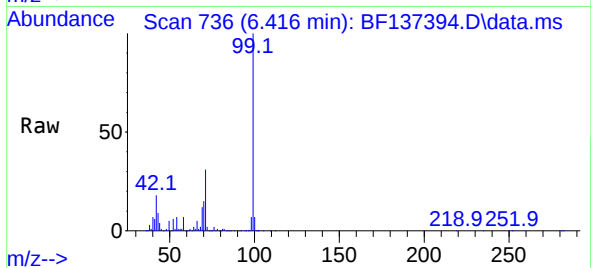
#7
Phenol-d6
Concen: 52.801 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

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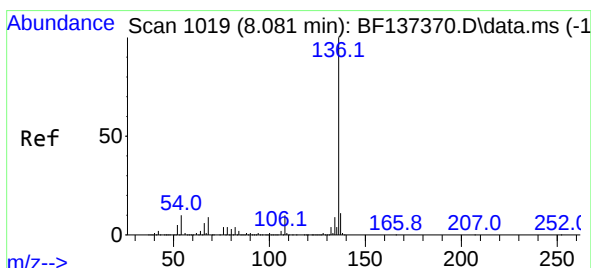
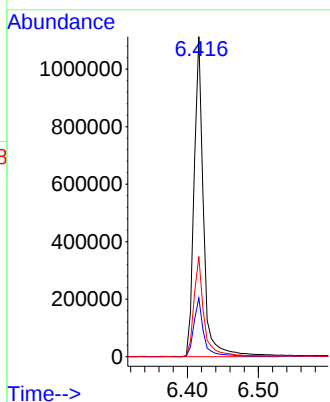
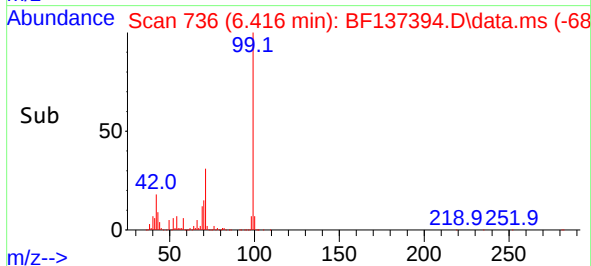
Tgt Ion: 99 Resp: 1038864
Ion Ratio Lower Upper
99 100
42 18.4 14.2 21.4
71 31.3 25.2 37.8

Manual Integrations

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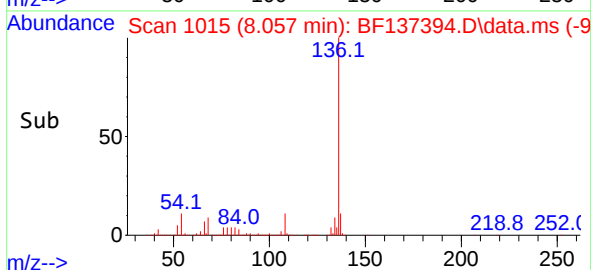
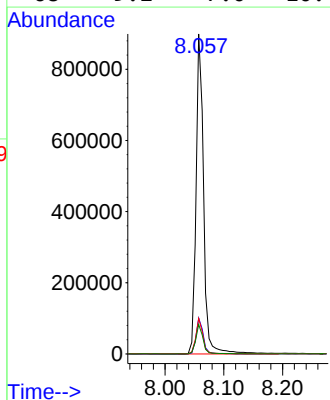
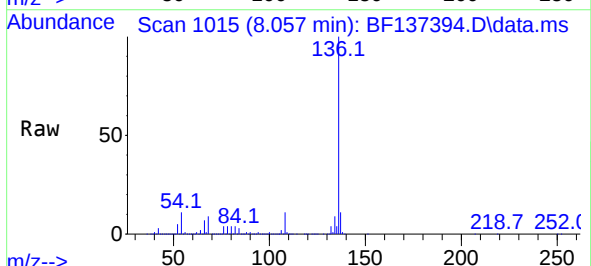
Reviewed By :Yogesh Patel 02/27/2024

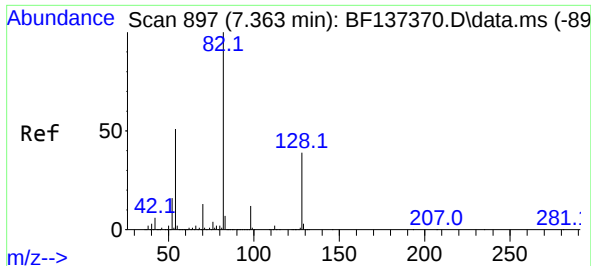
Supervised By :mohammad ahmed 02/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.024 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:136 Resp: 797341
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 11.1 7.8 11.6
68 9.2 7.0 10.4





#23

Nitrobenzene-d5

Concen: 80.384 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF137394.D

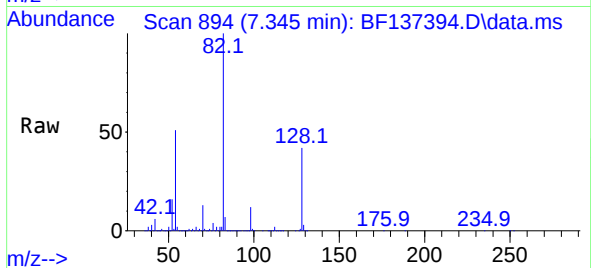
Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

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20241107-AMENDED-COMPOSITE-35N-N-4-06



Tgt Ion: 82 Resp: 128381

Ion Ratio Lower Upper

82 100

128 42.1 30.8 46.2

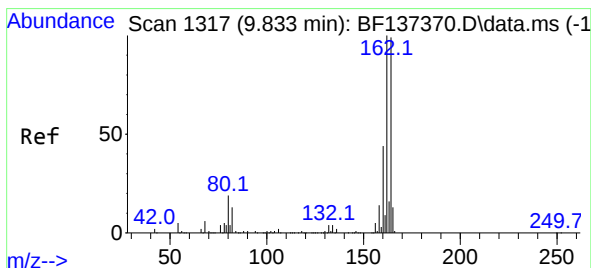
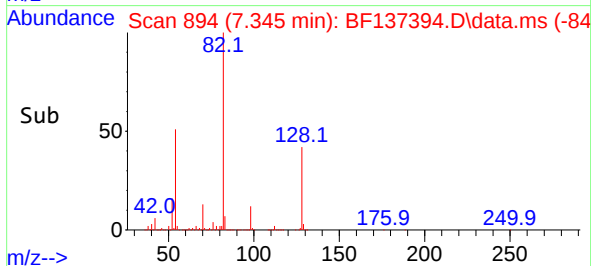
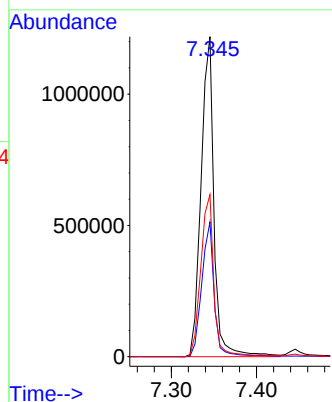
54 50.7 40.8 61.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.018 min

Lab File: BF137394.D

Acq: 26 Feb 2024 19:32

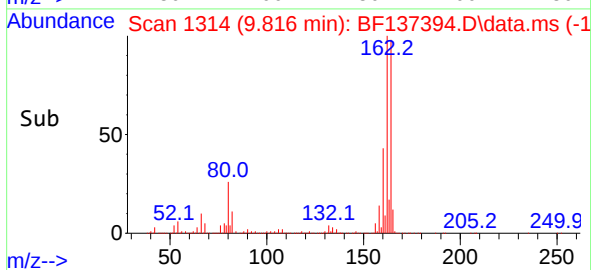
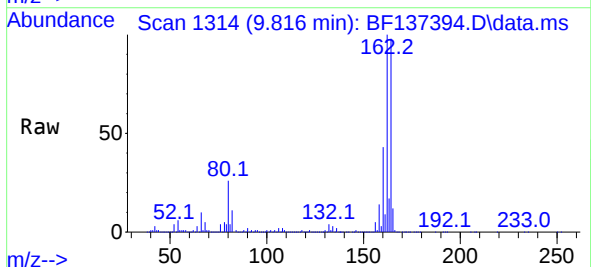
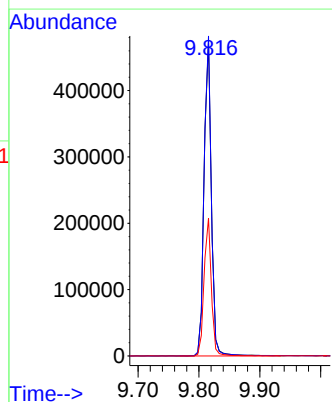
Tgt Ion:164 Resp: 394716

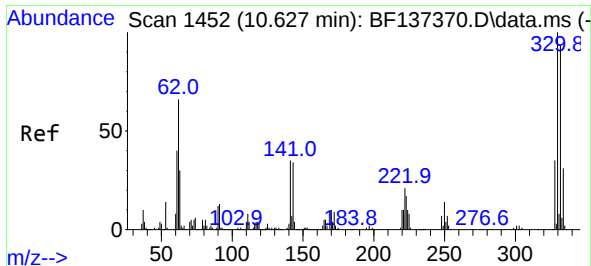
Ion Ratio Lower Upper

164 100

162 101.7 81.2 121.8

160 43.9 35.7 53.5





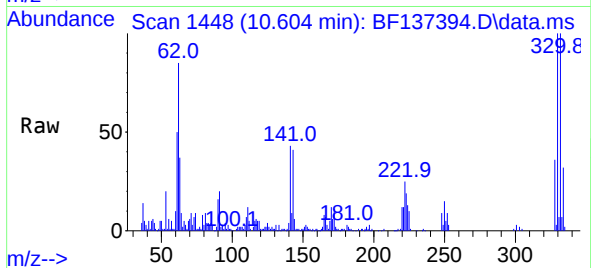
#42
2,4,6-Tribromophenol
Concen: 18.529 ng
RT: 10.604 min Scan# 1452
Delta R.T. -0.023 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :

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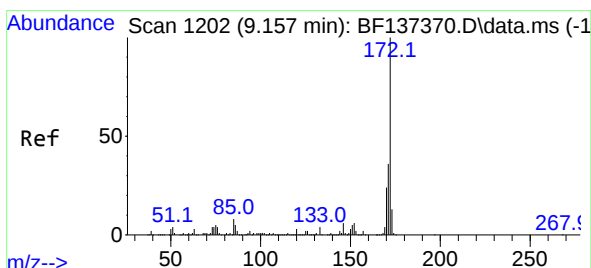
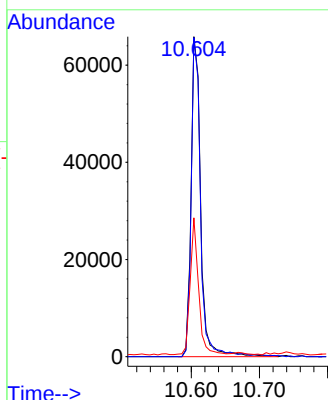
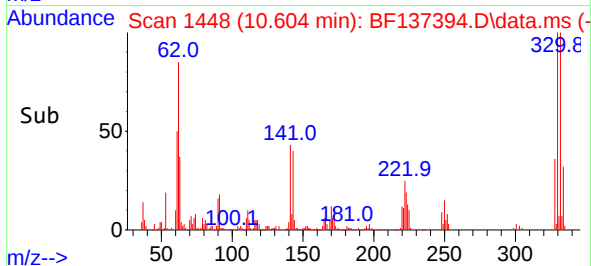
Tgt Ion:330 Resp: 63689
Ion Ratio Lower Upper
330 100
332 96.6 75.6 113.4
141 37.3 28.6 42.8

Manual Integrations

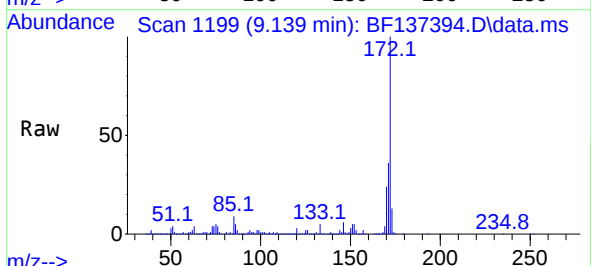
APPROVED

Reviewed By :Yogesh Patel 02/27/2024

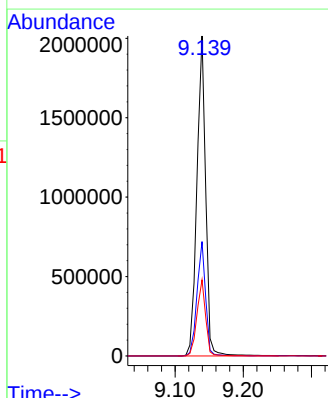
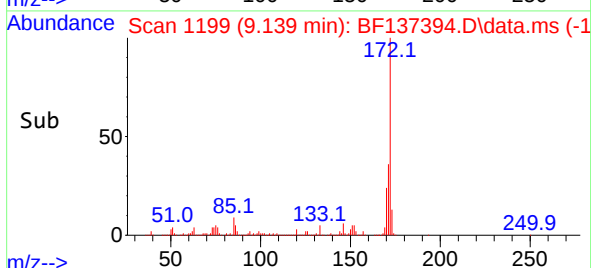
Supervised By :mohammad ahmed 02/27/2024

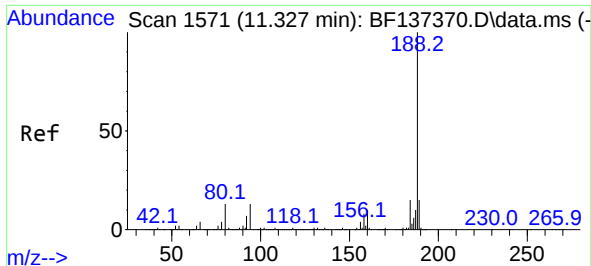


#45
2-Fluorobiphenyl
Concen: 71.298 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32



Tgt Ion:172 Resp: 1807664
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.8 19.5 29.3





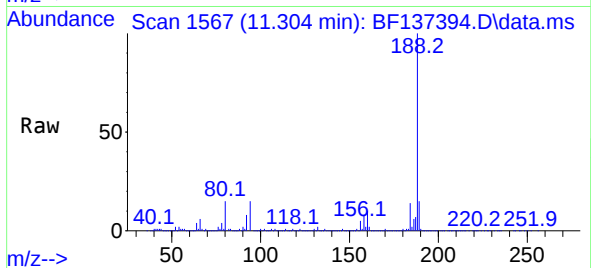
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :

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20241107-AMENDED-COMPOSITE-35N-N-4-06



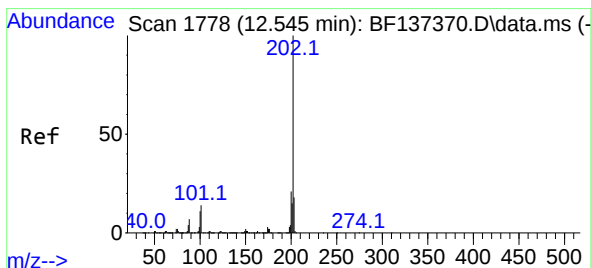
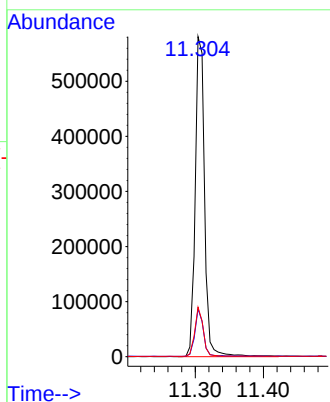
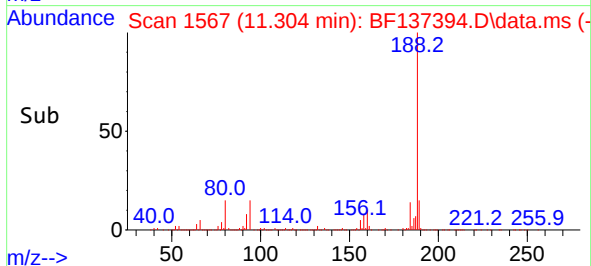
Tgt Ion:188 Resp: 55395
Ion Ratio Lower Upper
188 100
94 14.9 10.2 15.2
80 15.5 10.7 16.1

Manual Integrations

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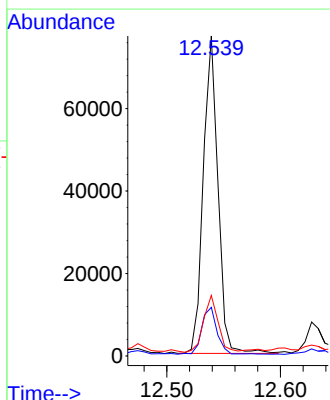
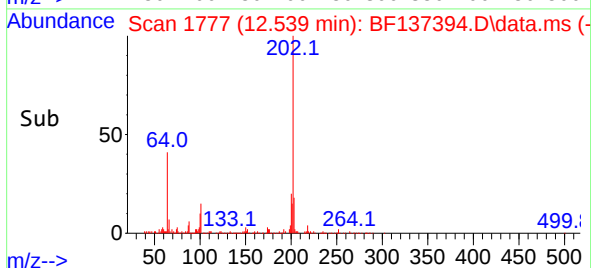
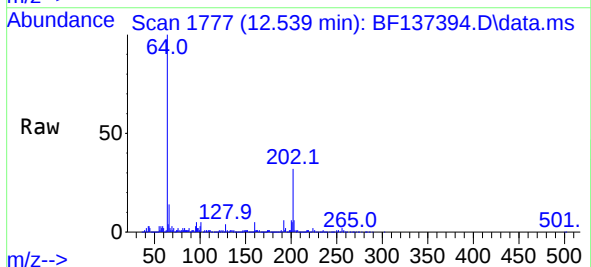
Reviewed By :Yogesh Patel 02/27/2024

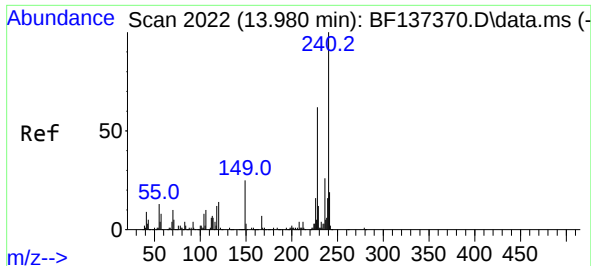
Supervised By :mohammad ahmed 02/27/2024



#75
Fluoranthene
Concen: 2.314 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:202 Resp: 69045
Ion Ratio Lower Upper
202 100
101 15.2 0.0 33.9
203 18.9 0.0 37.8





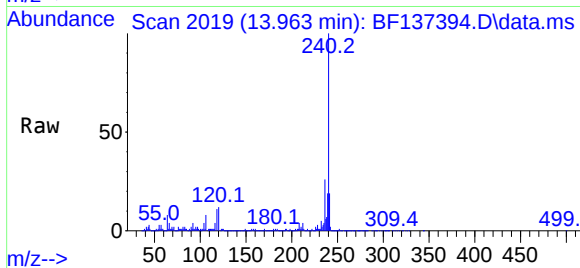
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Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

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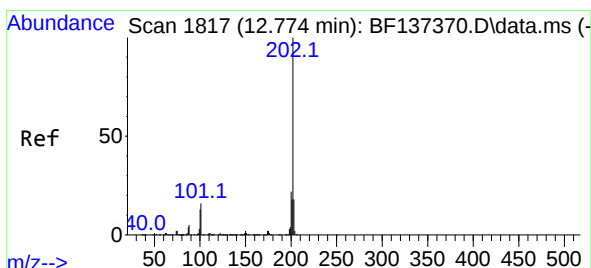
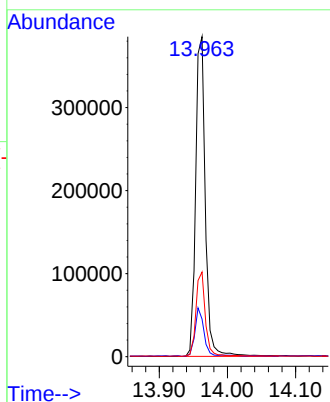
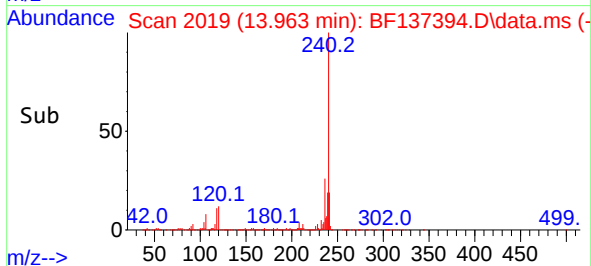
Tgt Ion:240 Resp: 38103
Ion Ratio Lower Upper
240 100
120 11.7 11.3 16.9
236 26.5 20.5 30.7

Manual Integrations

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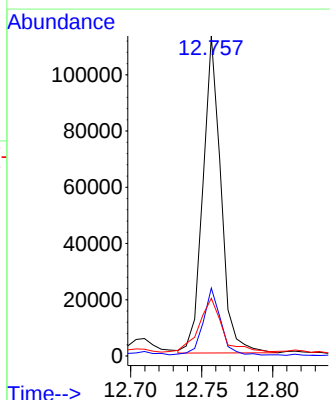
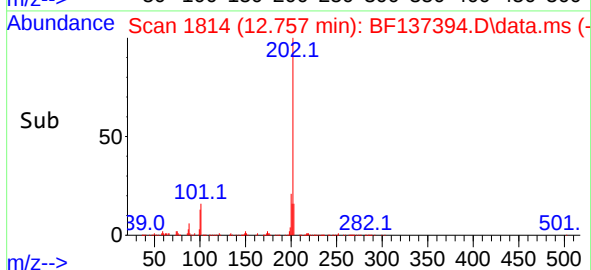
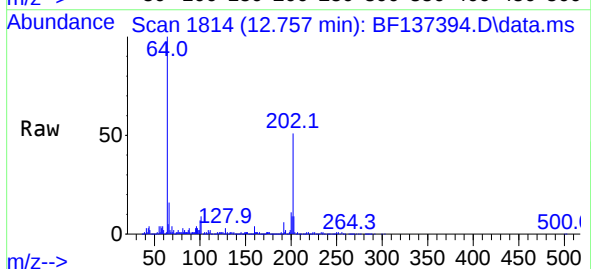
Reviewed By :Yogesh Patel 02/27/2024

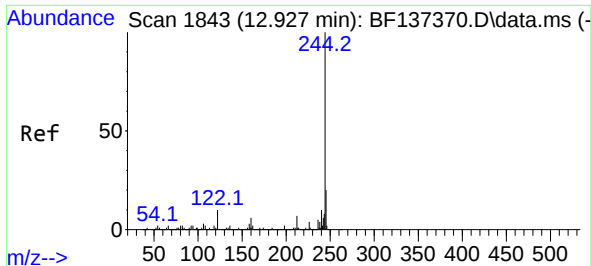
Supervised By :mohammad ahmed 02/27/2024



#78
Pyrene
Concen: 2.773 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:202 Resp: 99893
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.0 14.2 21.2





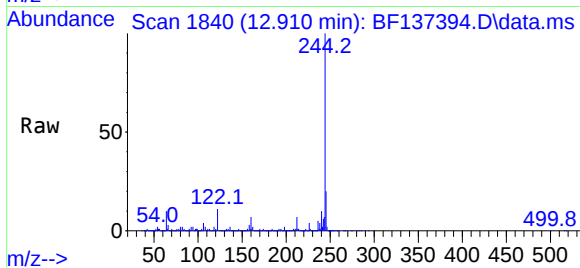
#79
Terphenyl-d14
Concen: 54.763 ng
RT: 12.910 min Scan# 1843
Delta R.T. -0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

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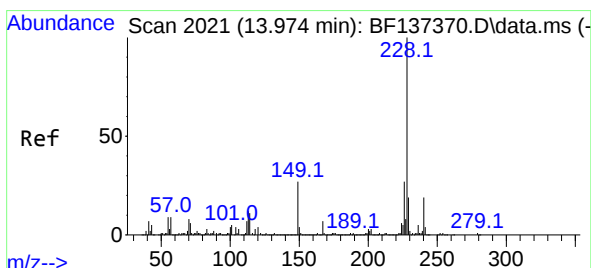
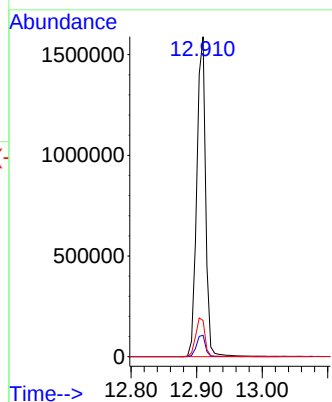
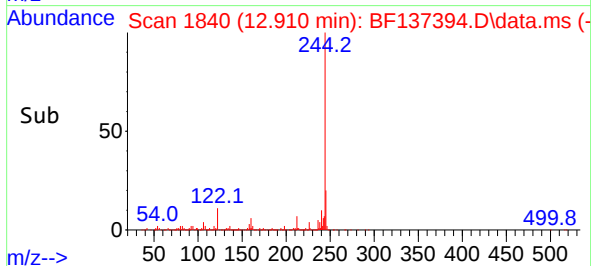
Tgt Ion:244 Resp: 149186
Ion Ratio Lower Upper
244 100
212 6.7 5.3 7.9
122 11.3 8.2 12.4

Manual Integrations

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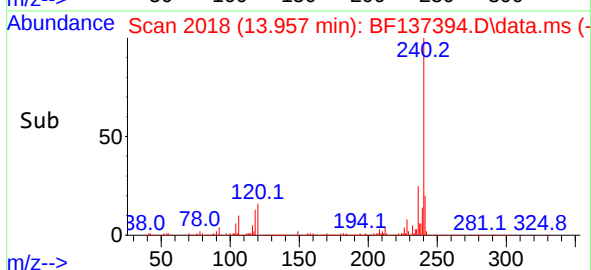
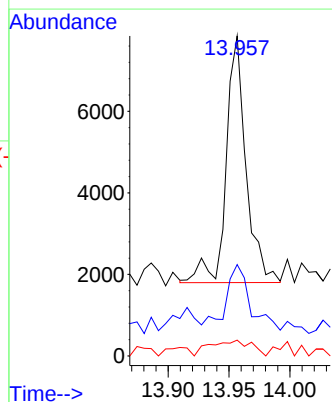
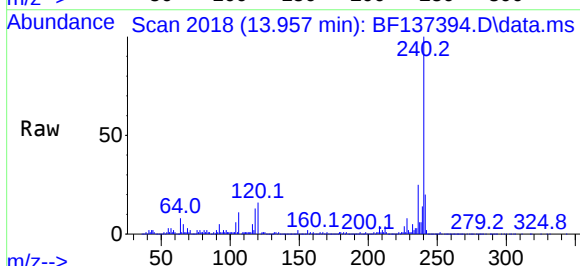
Reviewed By :Yogesh Patel 02/27/2024

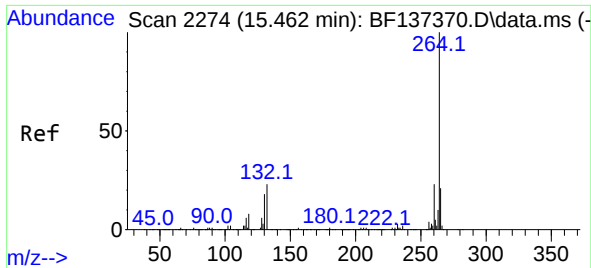
Supervised By :mohammad ahmed 02/27/2024



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.257 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.017 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:149 Resp: 6891
Ion Ratio Lower Upper
149 100
167 28.6 20.6 31.0
279 5.0 2.7 4.1#





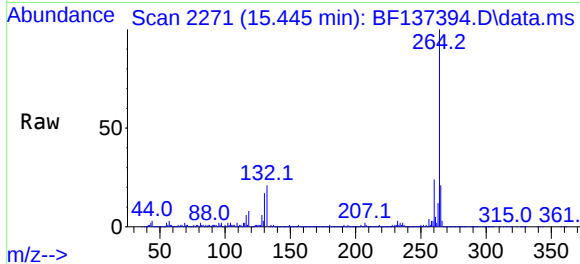
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

20241107-AMENDED-COMPOSITE-35N-N-4-06

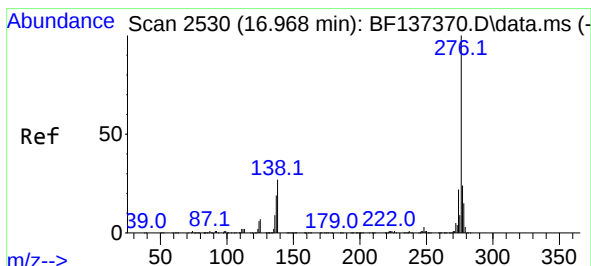
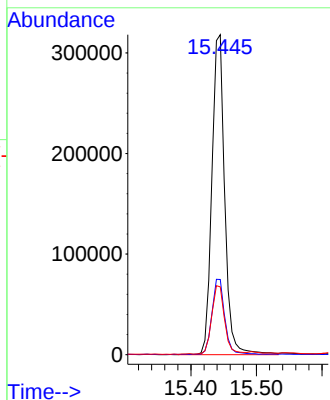
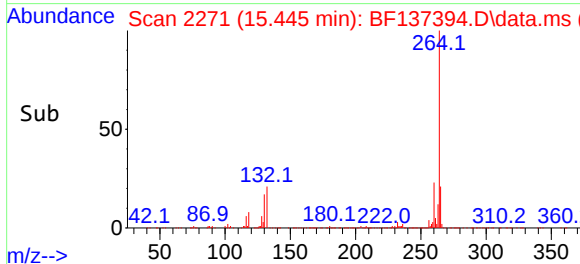


Tgt Ion:264 Resp: 43365
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 21.2 16.9 25.3

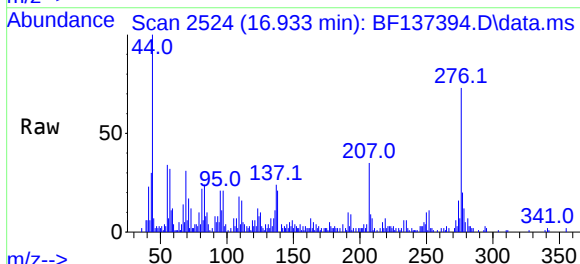
Manual Integrations

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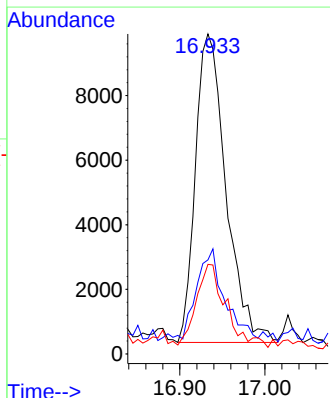
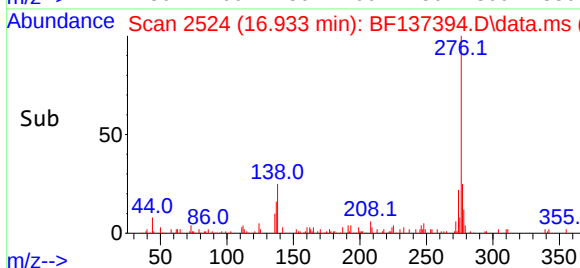
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024

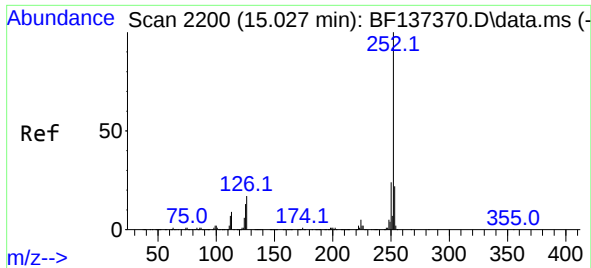


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.635 ng m
RT: 16.933 min Scan# 2524
Delta R.T. -0.035 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32



Tgt Ion:276 Resp: 23873
Ion Ratio Lower Upper
276 100
138 5.8 25.8 38.8#
277 5.6 19.6 29.4#





#88
Benzo(b)fluoranthene
Concen: 2.546 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

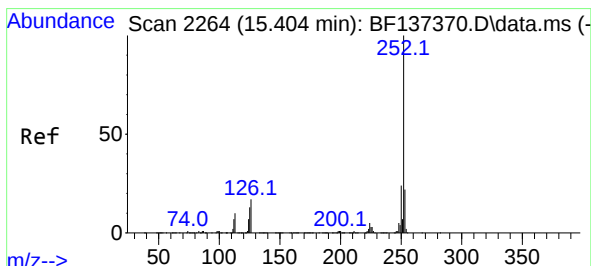
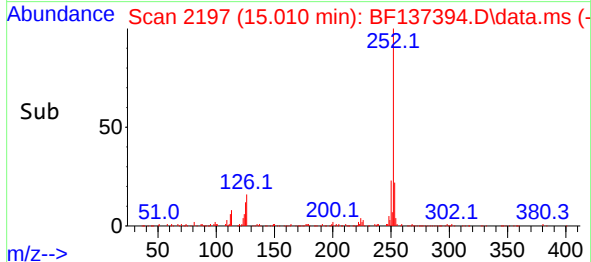
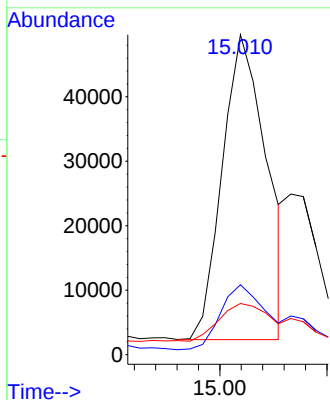
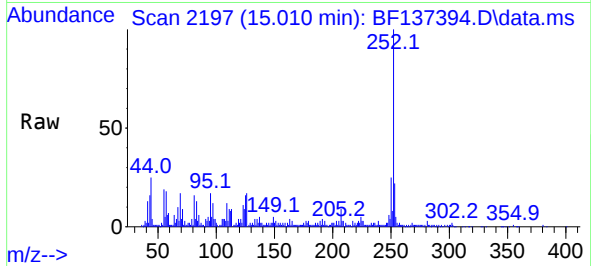
20241107-AMENDED-COMPOSITE-35N-N-4-06

Tgt Ion:252 Resp: 6773
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 16.0 10.2 15.2

Manual Integrations

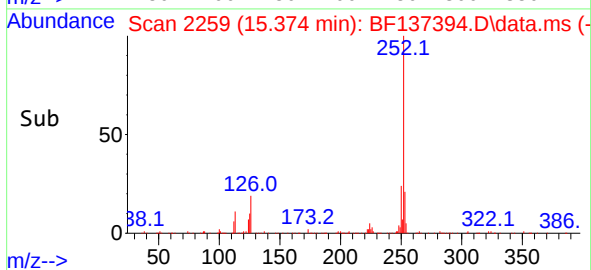
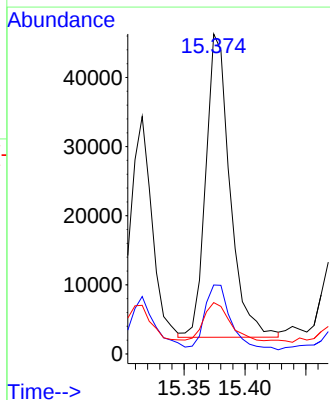
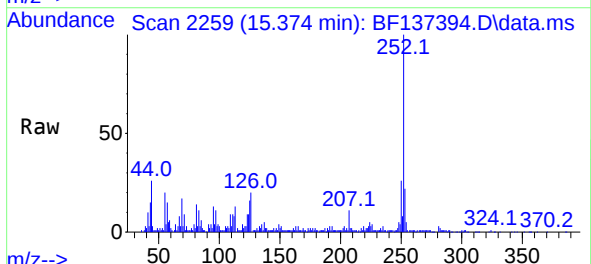
APPROVED

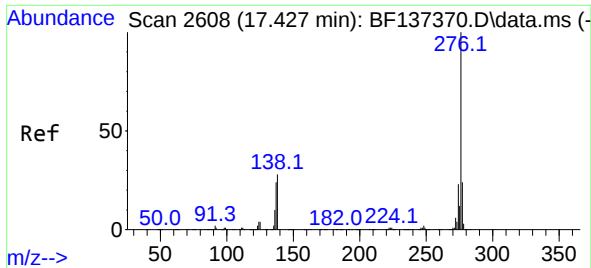
Reviewed By :Yogesh Patel 02/27/2024
Supervised By :mohammad ahmed 02/27/2024



#90
Benzo(a)pyrene
Concen: 2.405 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.030 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Tgt Ion:252 Resp: 60693
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 16.1 10.6 16.0





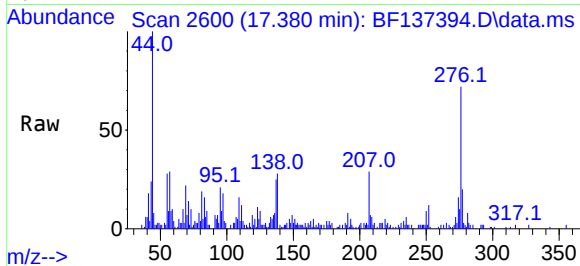
#92
Benzo(g,h,i)perylene
Concen: 2.962 ng
RT: 17.380 min Scan# 20
Delta R.T. -0.047 min
Lab File: BF137394.D
Acq: 26 Feb 2024 19:32

Instrument :

BNA_F

ClientSampleId :

20241107-AMENDED-COMPOSITE-35N-N-4-06



Tgt Ion:276 Resp: 23745
Ion Ratio Lower Upper
276 100
277 27.4 19.0 28.4
138 38.6 22.6 33.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/27/2024

Supervised By :mohammad ahmed 02/27/2024

