

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126436.D
 Acq On : 31 Dec 2021 00:11
 Operator : JU/CG
 Sample : M5244-43
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-14C

Quant Time: Dec 31 05:38:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/31/2021
 Supervised By :mohammad ahmed 12/31/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	94868	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	354572	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	166610	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	273288	20.000	ng	0.00
76) Chrysene-d12	13.963	240	206117	20.000	ng	0.00
86) Perylene-d12	15.398	264	158656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	500121	75.706	ng	0.00
7) Phenol-d6	6.428	99	603620	70.547	ng	0.00
23) Nitrobenzene-d5	7.357	82	399458	57.846	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	115780	89.928	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	572848	60.504	ng	0.00
79) Terphenyl-d14	12.910	244	547386	51.599	ng	0.00
Target Compounds						Qvalue
35) Caprolactam	8.469	113	6921	6.220	ng	# 87
70) Pentachlorophenol	11.127	266	3030	2.209	ng	94
71) Phenanthrene	11.345	178	274435	19.642	ng	99
73) Carbazole	11.545	167	27722	2.025	ng	# 80
74) Di-n-butylphthalate	11.886	149	87330	5.603	ng	97
75) Fluoranthene	12.533	202	265746	20.840	ng	97
78) Pyrene	12.763	202	227942	13.086	ng	99
81) Benzo(a)anthracene	13.951	228	54860m	4.628	ng	
83) Chrysene	13.986	228	96805	7.962	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	79703	9.964	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	30647	2.886	ng	95
88) Benzo(b)fluoranthene	14.986	252	80511m	8.518	ng	
89) Benzo(k)fluoranthene	15.010	252	19954m	2.179	ng	
90) Benzo(a)pyrene	15.339	252	43446	5.482	ng	# 91
92) Benzo(g,h,i)perylene	17.239	276	31650	3.469	ng	# 93

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

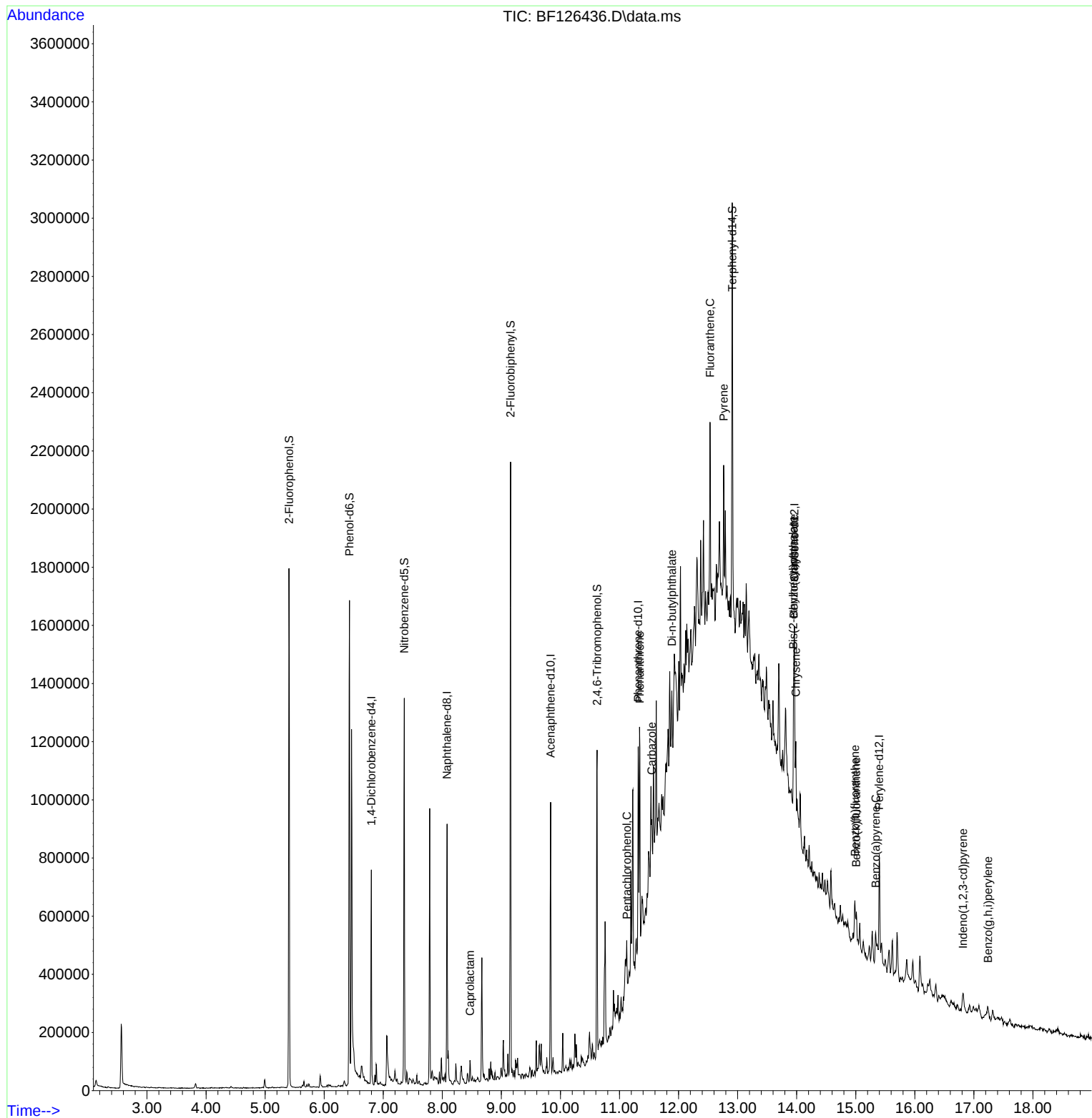
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
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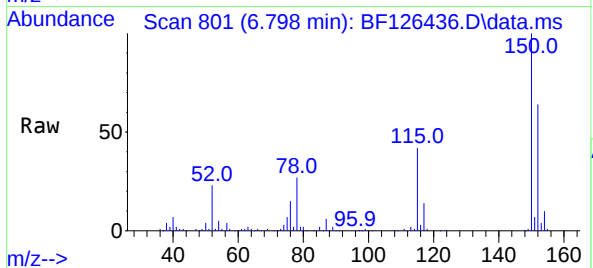
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Supervised By :mohammad ahmed 12/31/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

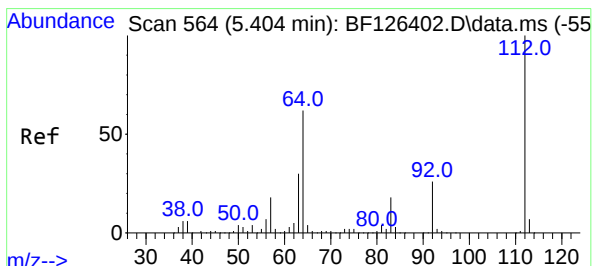
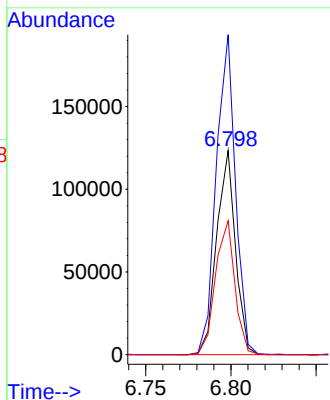
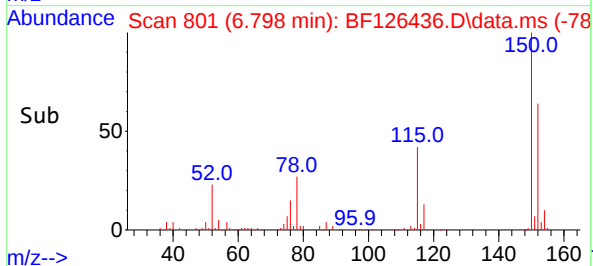
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BNA_F
ClientSampleId :
CONC-14C



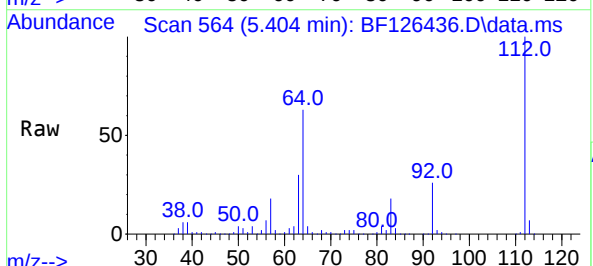
Tgt Ion:152 Resp: 9486
Ion Ratio Lower Upper
152 100
150 156.7 128.1 192.1
115 65.6 56.7 85.1

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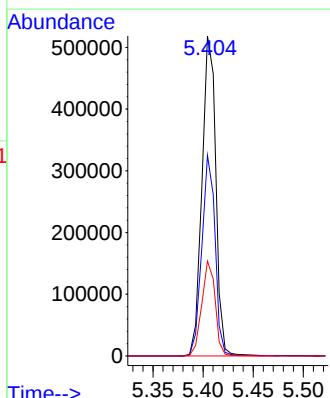
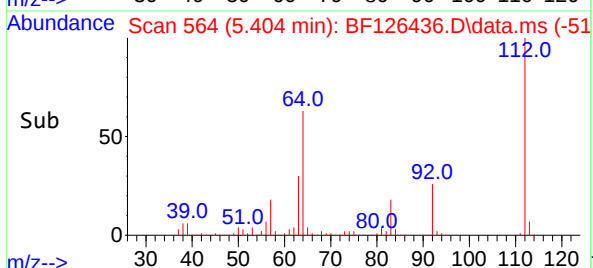
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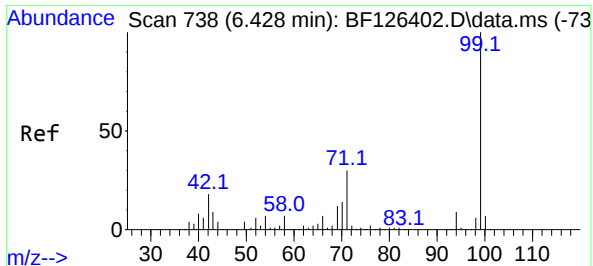


#5
2-Fluorophenol
Concen: 75.706 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11



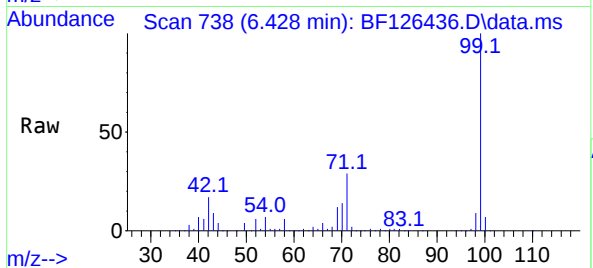
Tgt Ion:112 Resp: 500121
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 29.6 23.9 35.9





#7
Phenol-d6
Concen: 70.547 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

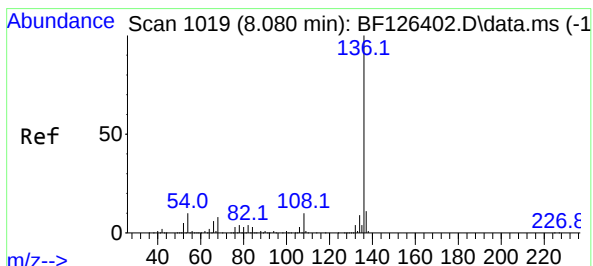
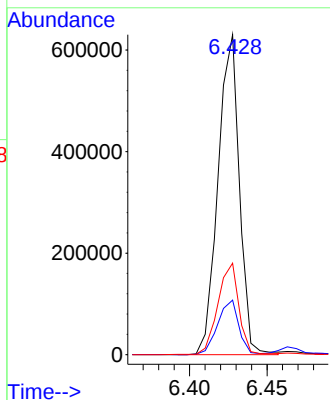
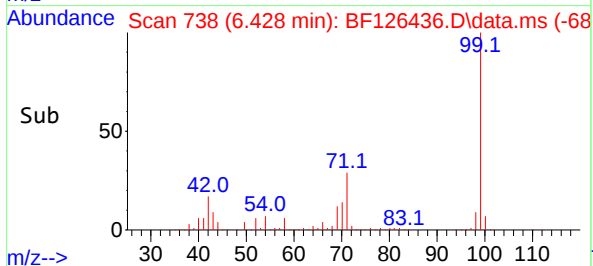
Instrument :
BNA_F
ClientSampleId :
CONC-14C



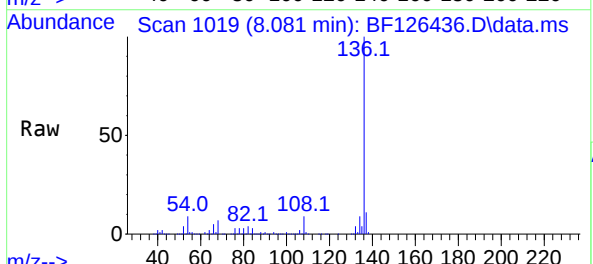
Tgt Ion: 99 Resp: 603620
Ion Ratio Lower Upper
99 100
42 17.1 14.2 21.4
71 28.6 24.3 36.5

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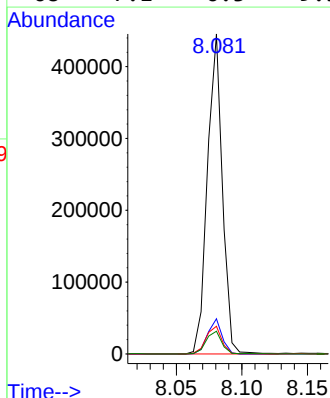
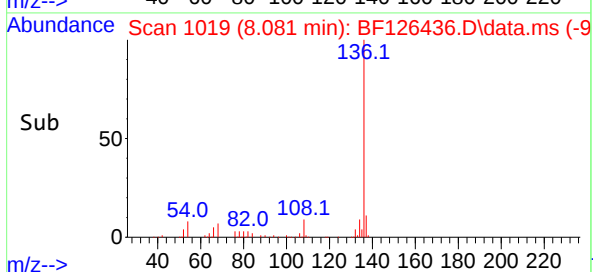
Reviewed By :Yogesh Patel 12/31/2021
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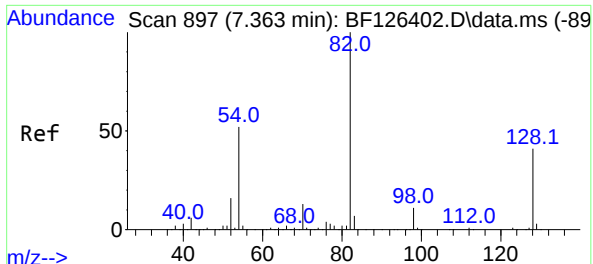


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11



Tgt Ion:136 Resp: 354572
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 7.8 11.6
68 7.1 6.3 9.5





#23
Nitrobenzene-d5
Concen: 57.846 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Instrument :

BNA_F

ClientSampleId :

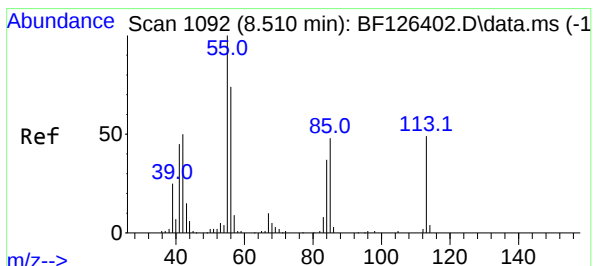
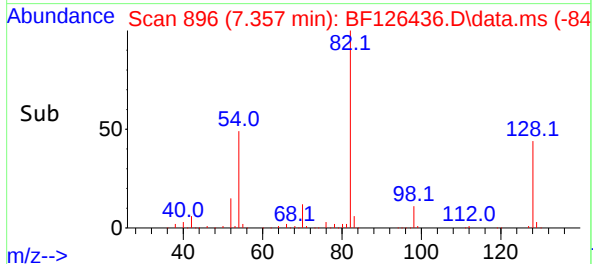
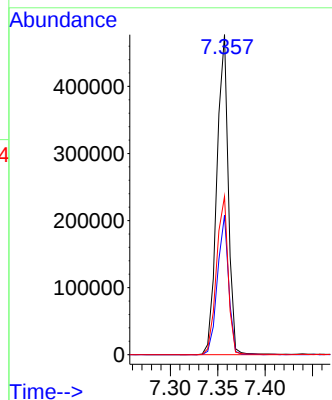
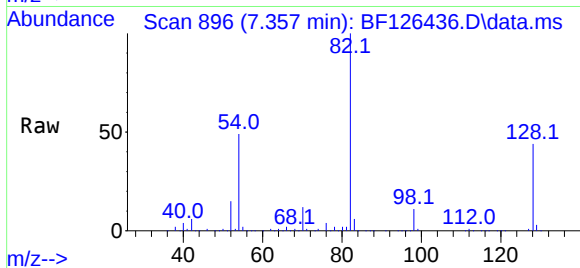
CONC-14C

Tgt Ion: 82 Resp: 399458
Ion Ratio Lower Upper
82 100
128 43.6 32.7 49.1
54 49.4 41.7 62.5

Manual Integrations

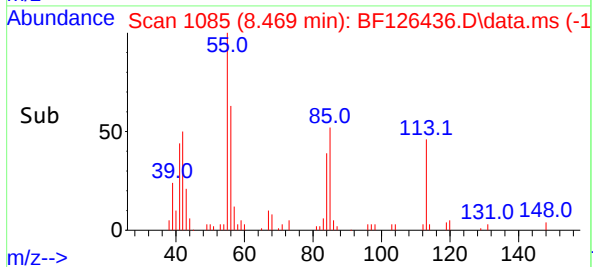
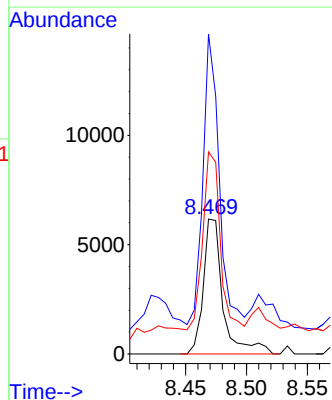
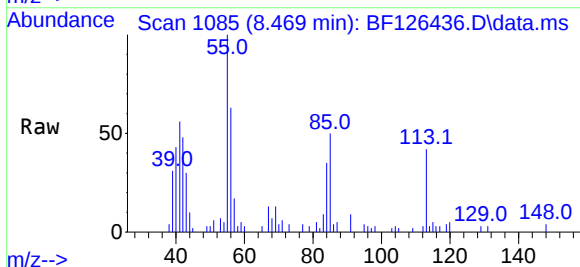
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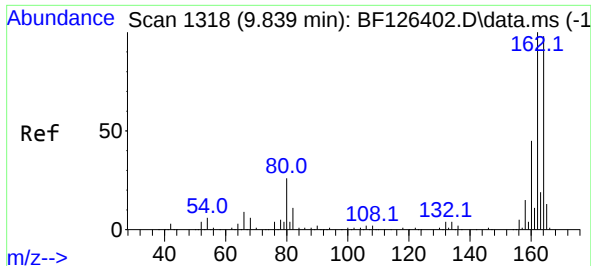
Reviewed By :Yogesh Patel 12/31/2021
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#35
Caprolactam
Concen: 6.220 ng
RT: 8.469 min Scan# 1085
Delta R.T. -0.041 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:113 Resp: 6921
Ion Ratio Lower Upper
113 100
55 237.2 183.9 223.9#
56 149.8 129.9 169.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF126436.D

Acq: 31 Dec 2021 00:11

Instrument :

BNA_F

ClientSampleId :

CONC-14C

Tgt Ion:164 Resp: 166610

Ion Ratio Lower Upper

164 100

162 102.7 81.4 122.0

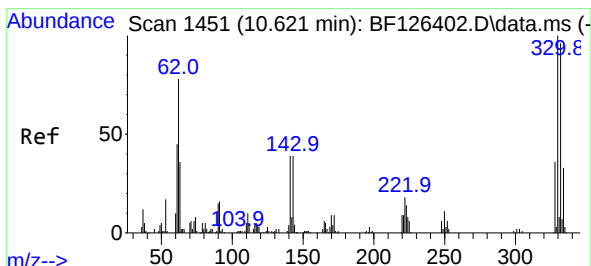
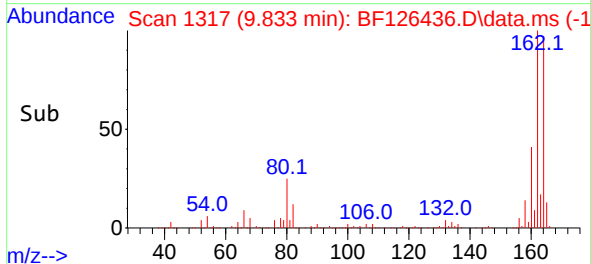
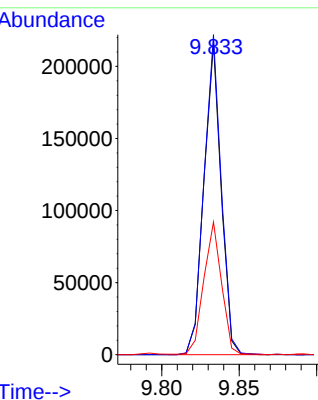
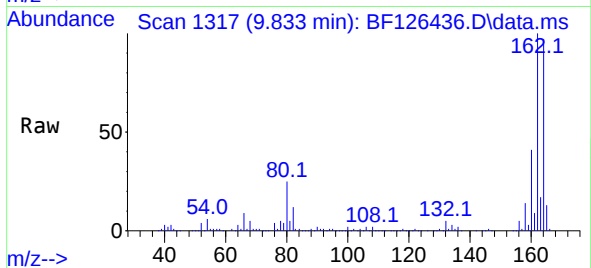
160 42.5 36.6 54.8

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 89.928 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF126436.D

Acq: 31 Dec 2021 00:11

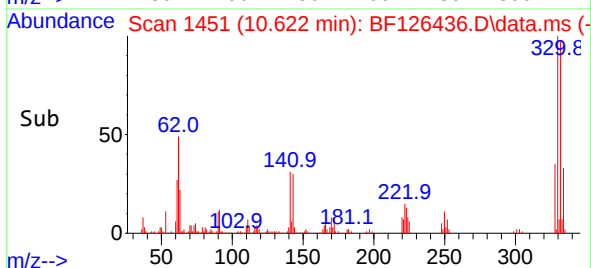
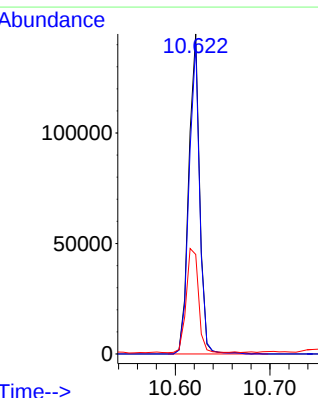
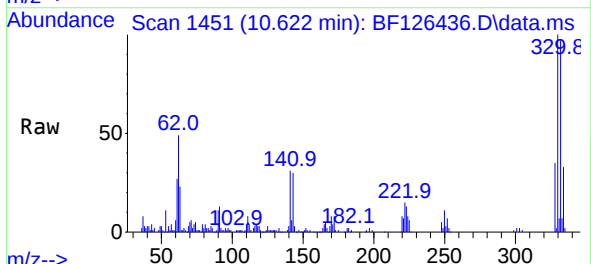
Tgt Ion:330 Resp: 115780

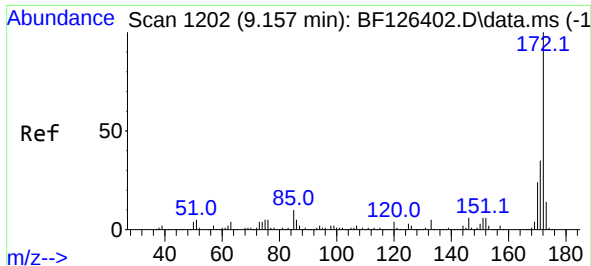
Ion Ratio Lower Upper

330 100

332 94.7 76.0 114.0

141 36.4 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 60.504 ng

RT: 9.157 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126436.D

Acq: 31 Dec 2021 00:11

Instrument :

BNA_F

ClientSampleId :

CONC-14C

Tgt Ion:172 Resp: 57284

Ion Ratio Lower Upper

172 100

171 34.1 28.3 42.5

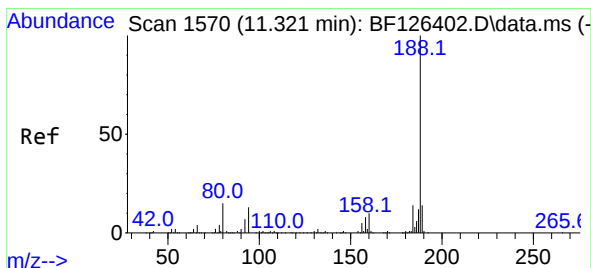
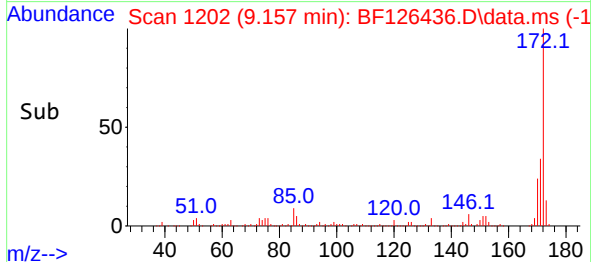
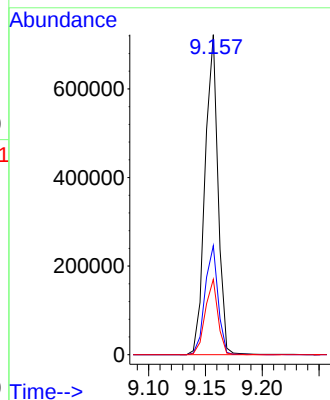
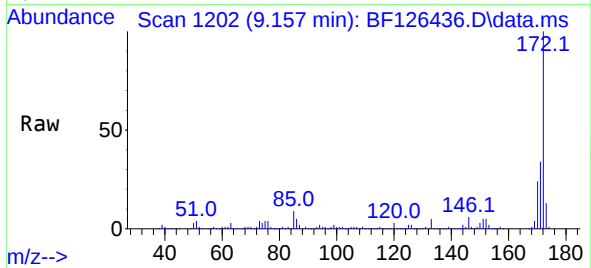
170 23.5 19.0 28.6

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF126436.D

Acq: 31 Dec 2021 00:11

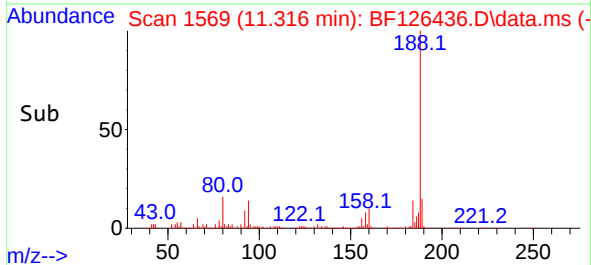
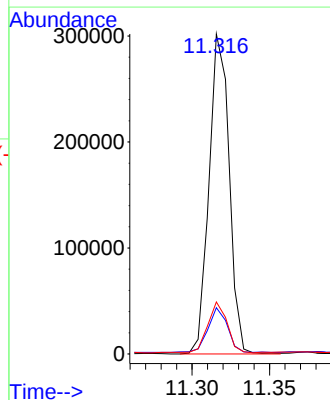
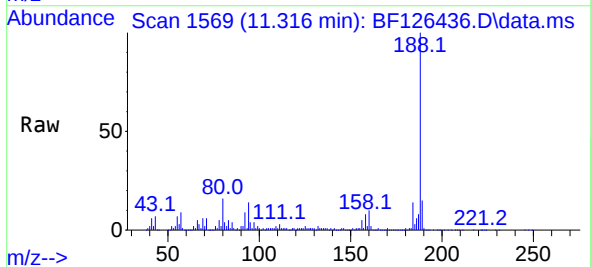
Tgt Ion:188 Resp: 273288

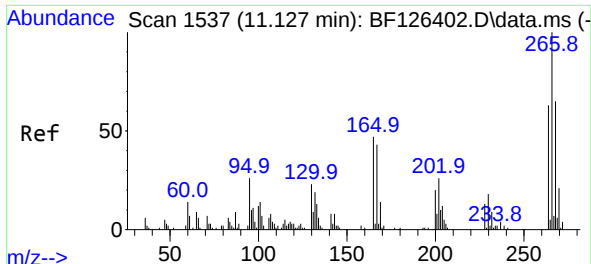
Ion Ratio Lower Upper

188 100

94 14.5 10.1 15.1

80 16.3 11.8 17.6





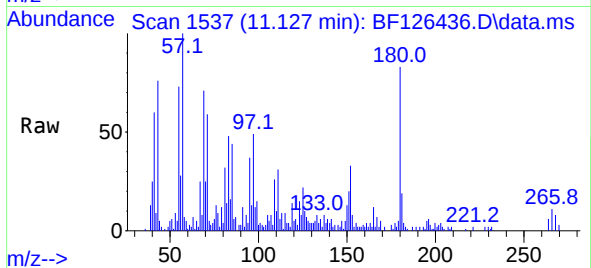
#70
 Pentachlorophenol
 Concen: 2.209 ng
 RT: 11.127 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

Instrument :

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ClientSampleId :

CONC-14C

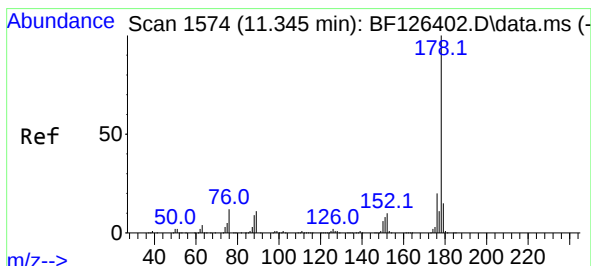
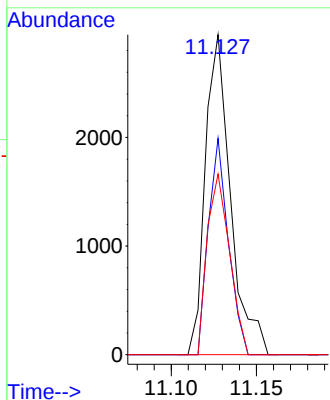
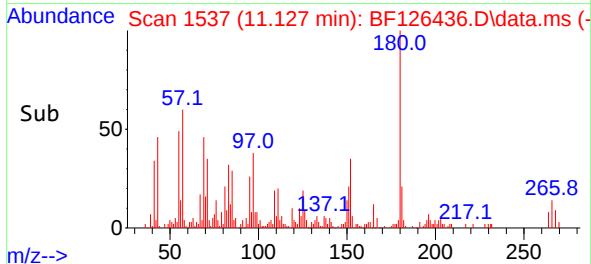


Tgt Ion:266 Resp: 3030
 Ion Ratio Lower Upper
 266 100
 268 67.6 52.3 78.5
 264 56.4 50.4 75.6

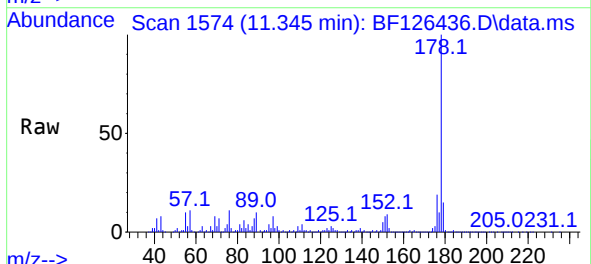
Manual Integrations

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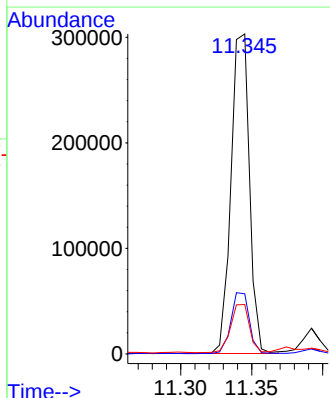
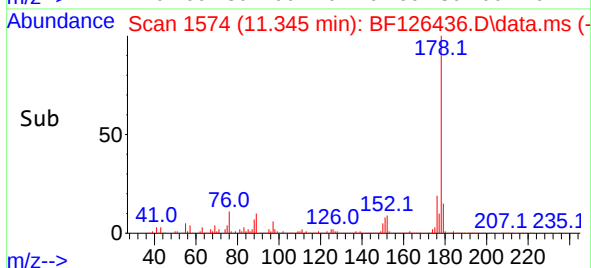
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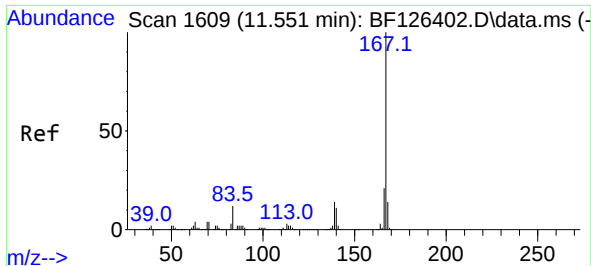


#71
 Phenanthrene
 Concen: 19.642 ng
 RT: 11.345 min Scan# 1574
 Delta R.T. 0.000 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11



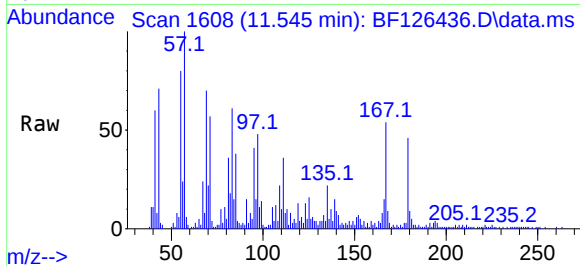
Tgt Ion:178 Resp: 274435
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.7 23.5
 179 15.4 12.3 18.5





#73
 Carbazole
 Concen: 2.025 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11

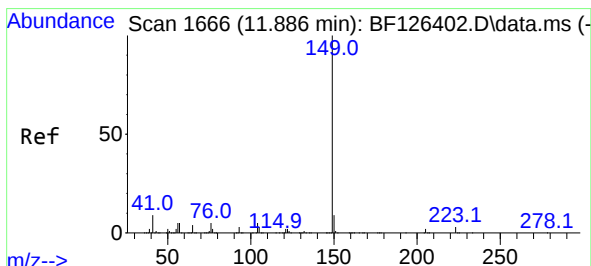
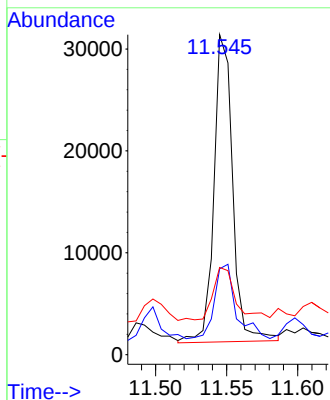
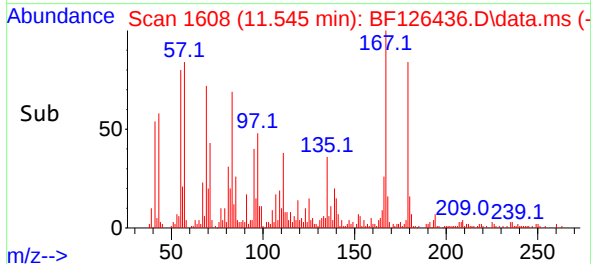
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 CONC-14C



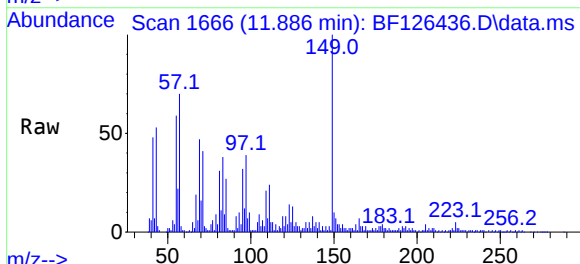
Tgt Ion:167 Resp: 2772
 Ion Ratio Lower Upper
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 166 26.8 16.9 25.3
 139 27.3 11.3 16.9

Manual Integrations
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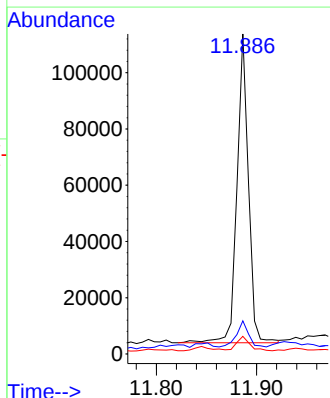
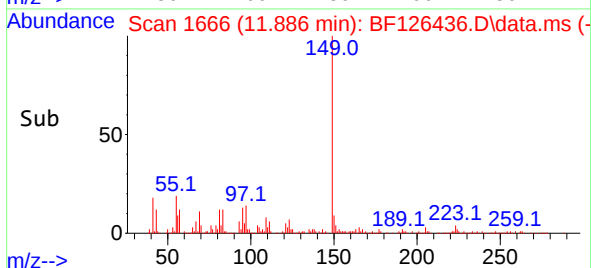
Reviewed By :Yogesh Patel 12/31/2021
 Supervised By :mohammad ahmed 12/31/2021

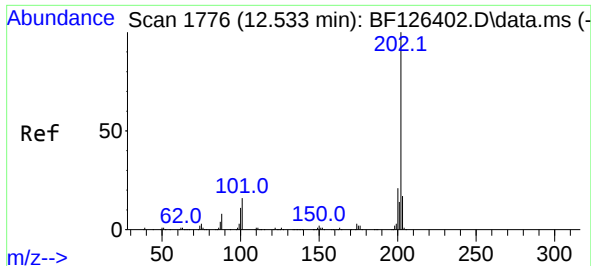


#74
 Di-n-butylphthalate
 Concen: 5.603 ng
 RT: 11.886 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: BF126436.D
 Acq: 31 Dec 2021 00:11



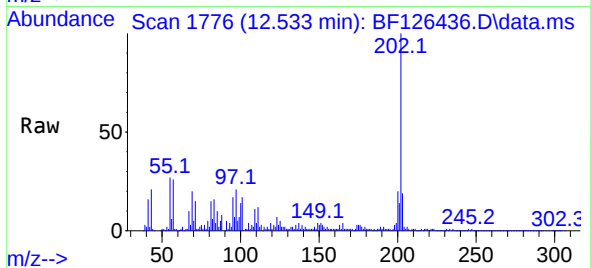
Tgt Ion:149 Resp: 87330
 Ion Ratio Lower Upper
 149 100
 150 10.3 7.2 10.8
 104 5.5 4.2 6.2





#75
Fluoranthene
Concen: 20.840 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

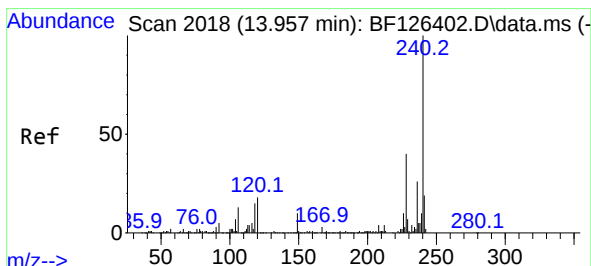
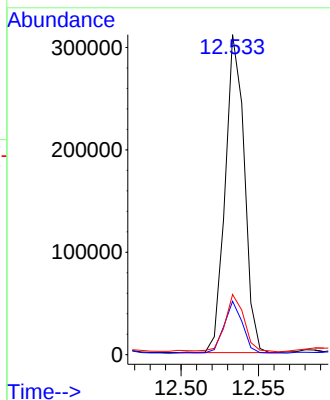
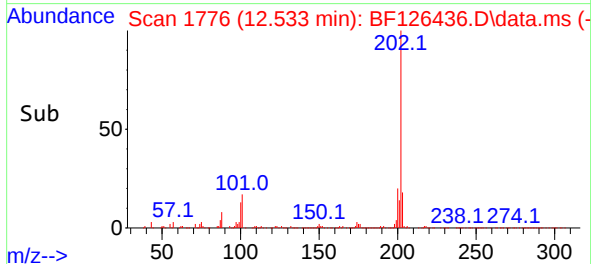
Instrument :
BNA_F
ClientSampleId :
CONC-14C



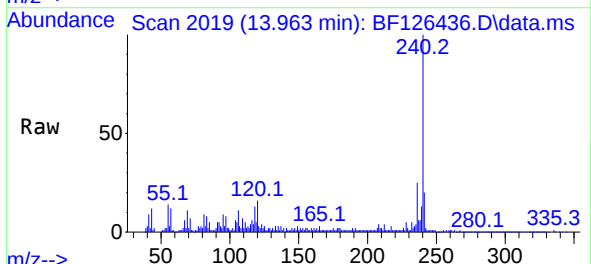
Tgt Ion:202 Resp: 265740
Ion Ratio Lower Upper
202 100
101 16.7 0.0 35.7
203 18.8 0.0 37.1

Manual Integrations
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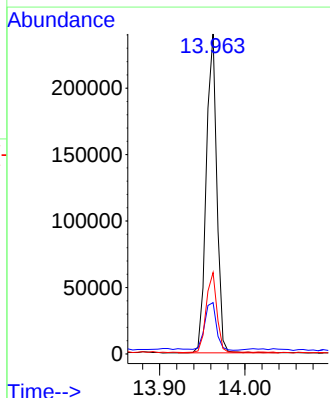
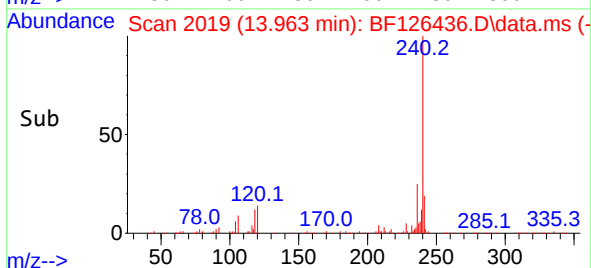
Reviewed By :Yogesh Patel 12/31/2021
Supervised By :mohammad ahmed 12/31/2021

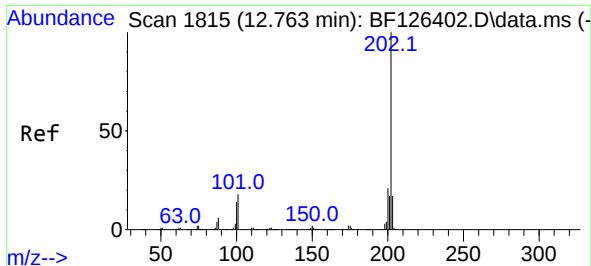


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11



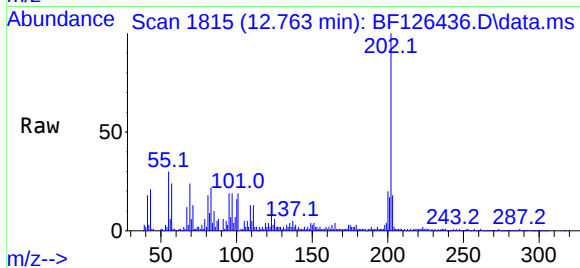
Tgt Ion:240 Resp: 206117
Ion Ratio Lower Upper
240 100
120 16.1 14.4 21.6
236 25.4 20.5 30.7





#78
Pyrene
Concen: 13.086 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

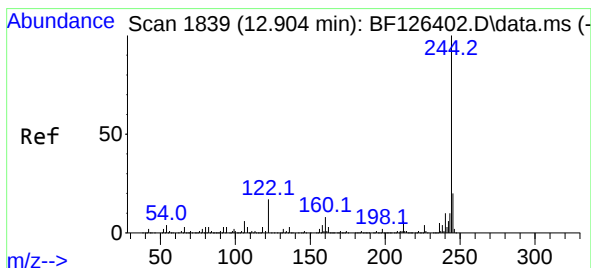
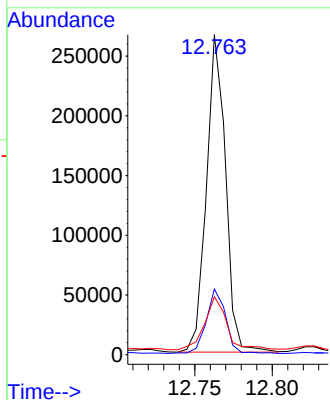
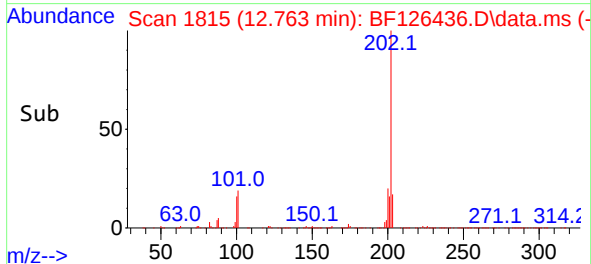
Instrument :
BNA_F
ClientSampleId :
CONC-14C



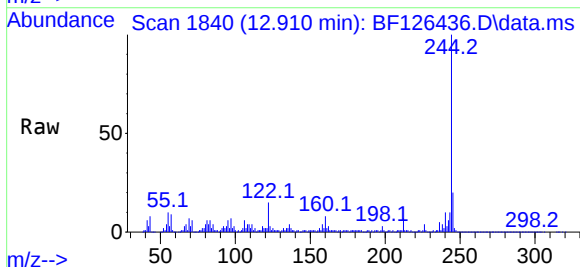
Tgt Ion:202 Resp: 22794
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 18.1 13.8 20.8

Manual Integrations
APPROVED

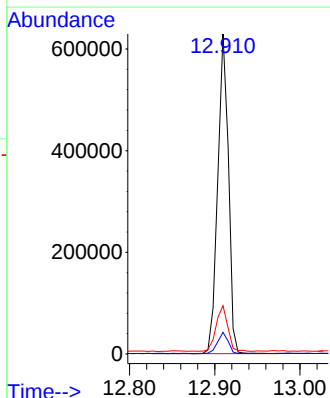
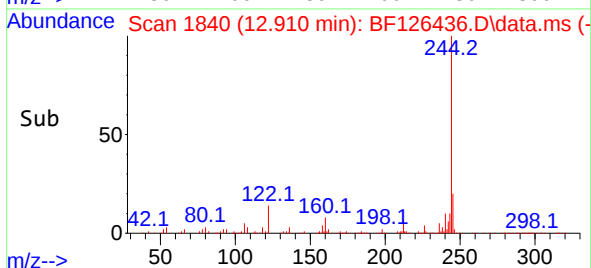
Reviewed By :Yogesh Patel 12/31/2021
Supervised By :mohammad ahmed 12/31/2021

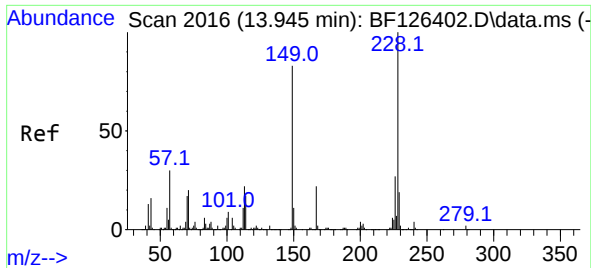


#79
Terphenyl-d14
Concen: 51.599 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11



Tgt Ion:244 Resp: 547386
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 15.1 13.3 19.9





#81
Benzo(a)anthracene
Concen: 4.628 ng m
RT: 13.951 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Instrument :

BNA_F

ClientSampleId :

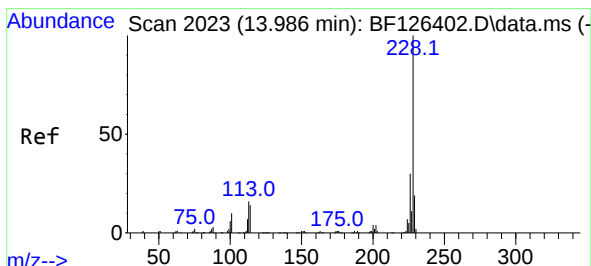
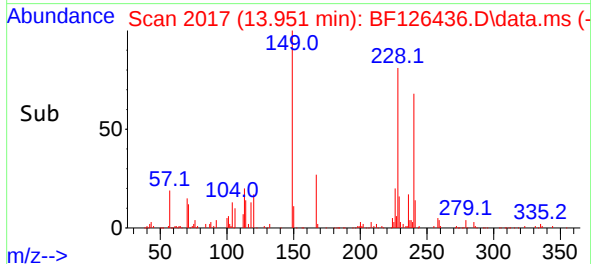
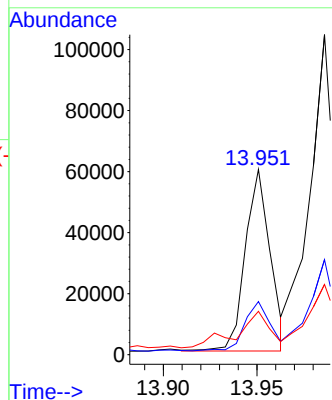
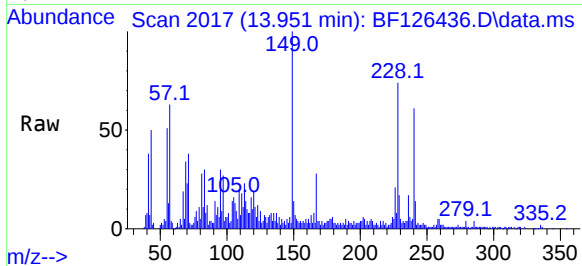
CONC-14C

Tgt Ion:228 Resp: 54860
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.0
229 23.4 15.4 23.2

Manual Integrations

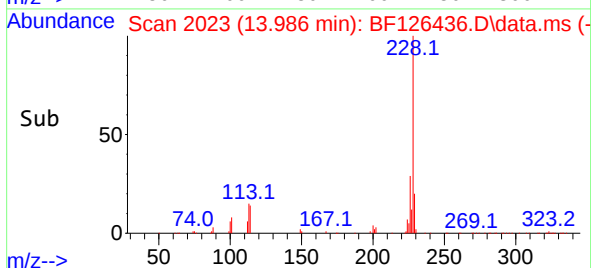
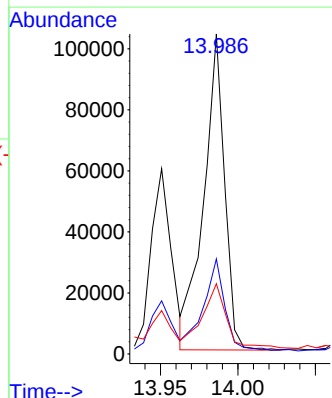
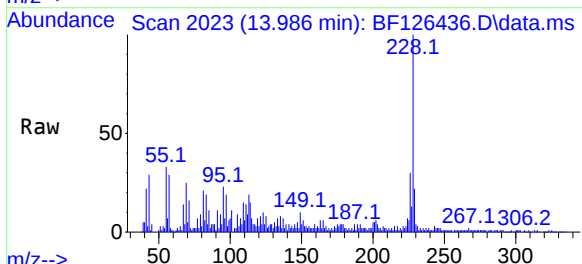
APPROVED

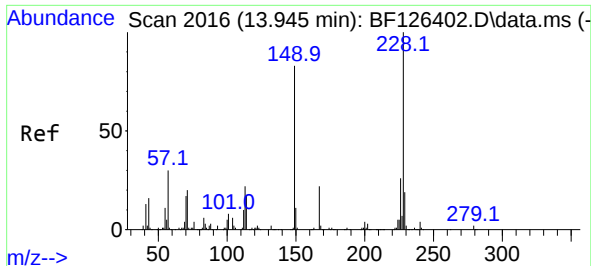
Reviewed By :Yogesh Patel 12/31/2021
Supervised By :mohammad ahmed 12/31/2021



#83
Chrysene
Concen: 7.962 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:228 Resp: 96805
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 22.0 15.5 23.3





#84
Bis(2-ethylhexyl)phthalate
Concen: 9.964 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Instrument :

BNA_F

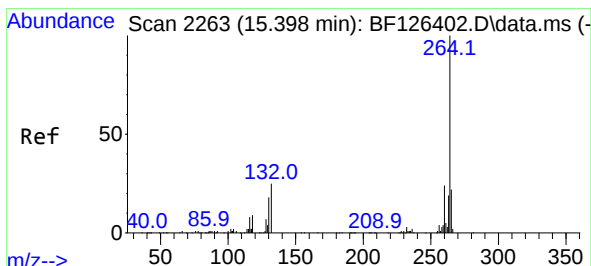
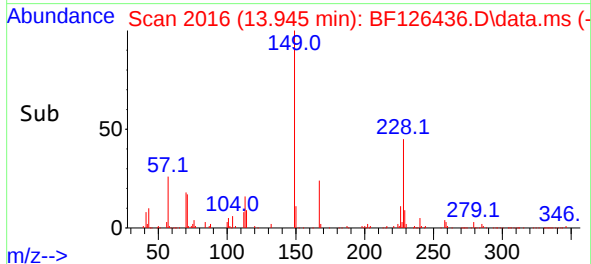
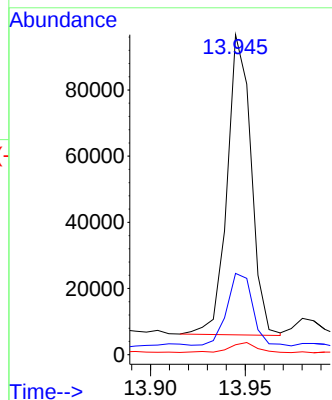
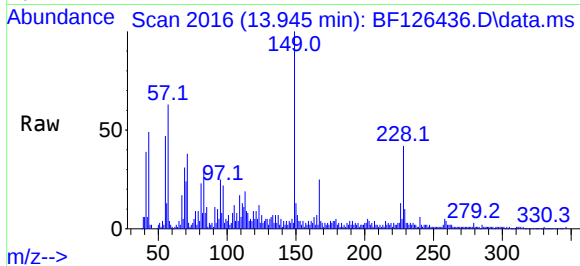
ClientSampleId :

CONC-14C

Tgt Ion:149 Resp: 79700
Ion Ratio Lower Upper
149 100
167 25.4 21.4 32.2
279 3.1 2.4 3.6

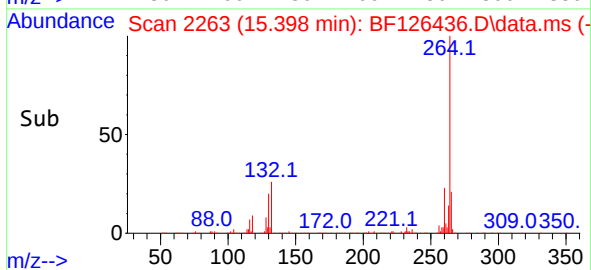
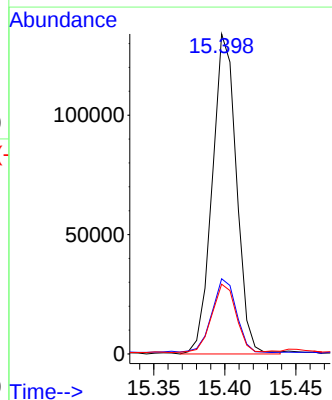
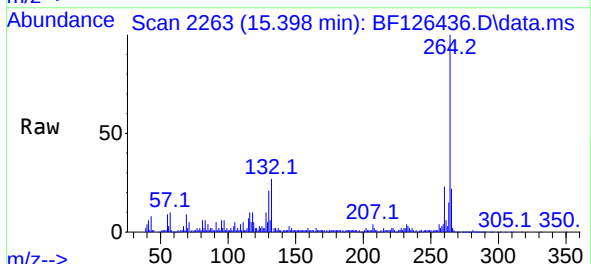
Manual Integrations
APPROVED

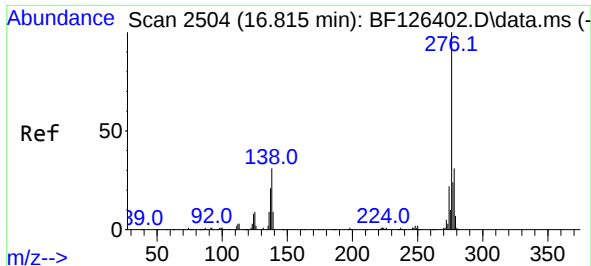
Reviewed By :Yogesh Patel 12/31/2021
Supervised By :mohammad ahmed 12/31/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:264 Resp: 158656
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.886 ng
RT: 16.815 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Instrument :

BNA_F

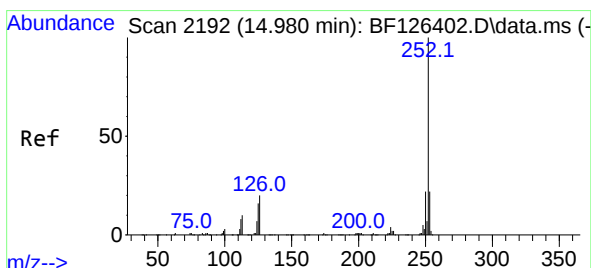
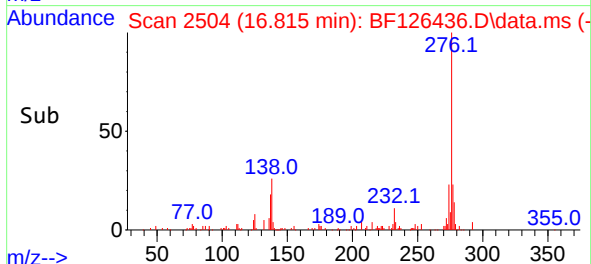
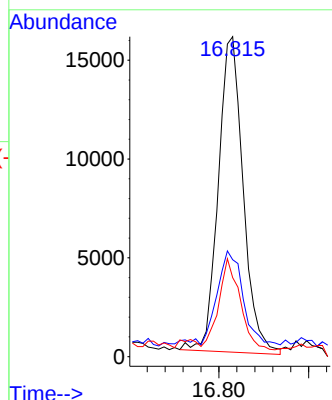
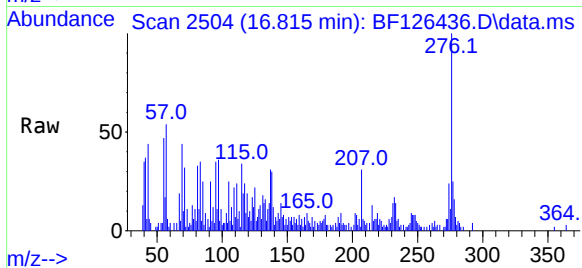
ClientSampleId :

CONC-14C

Tgt Ion:276 Resp: 3064
Ion Ratio Lower Upper
276 100
138 31.5 29.2 43.8
277 24.9 19.8 29.8

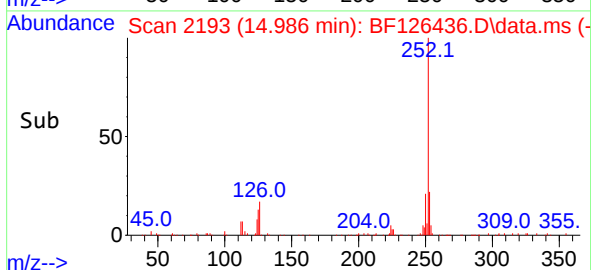
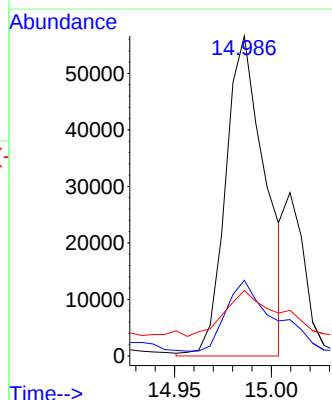
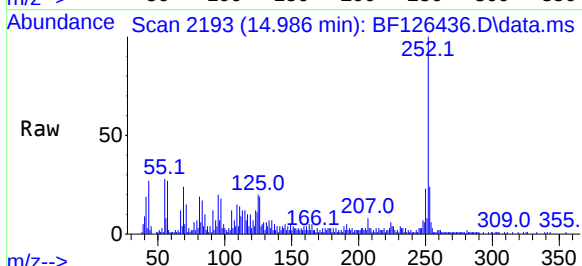
Manual Integrations
APPROVED

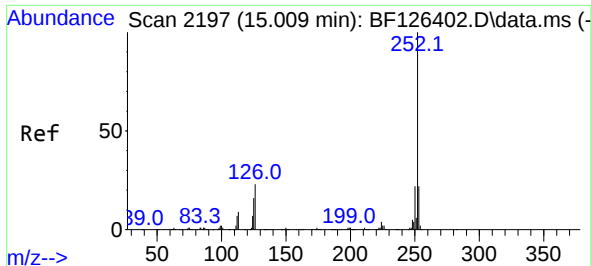
Reviewed By :Yogesh Patel 12/31/2021
Supervised By :mohammad ahmed 12/31/2021



#88
Benzo(b)fluoranthene
Concen: 8.518 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Tgt Ion:252 Resp: 80511
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 20.4 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 2.179 ng m

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF126436.D

Acq: 31 Dec 2021 00:11

Instrument :

BNA_F

ClientSampleId :

CONC-14C

Tgt Ion:252 Resp: 19954

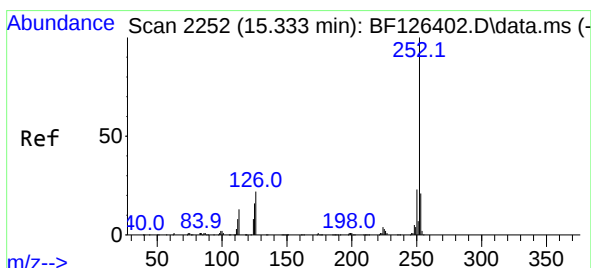
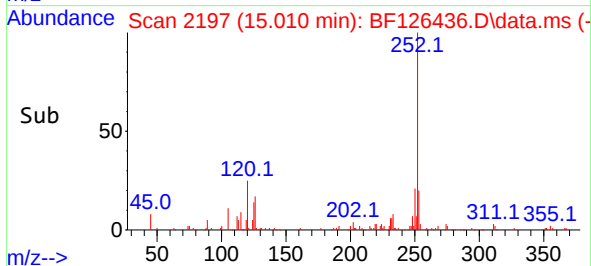
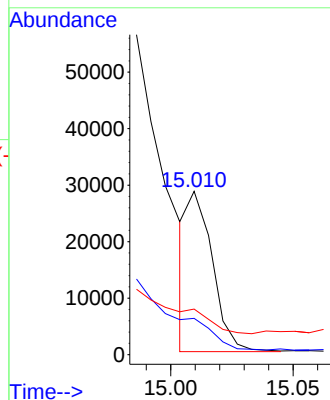
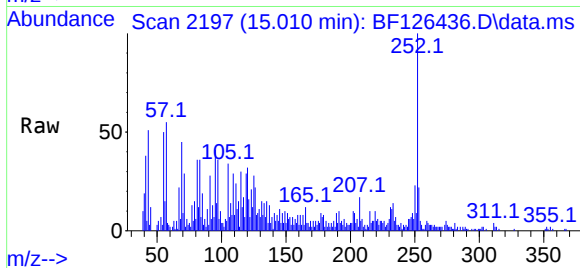
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	27.9	11.8	17.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/31/2021

Supervised By :mohammad ahmed 12/31/2021



#90

Benzo(a)pyrene

Concen: 5.482 ng

RT: 15.339 min Scan# 2253

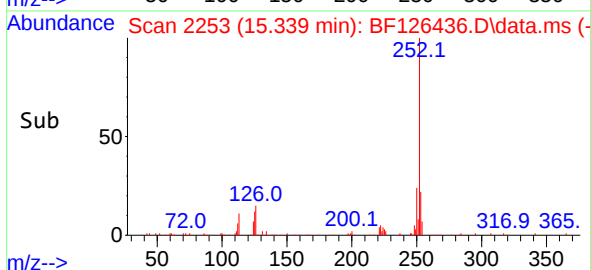
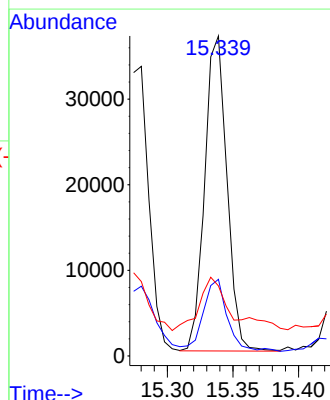
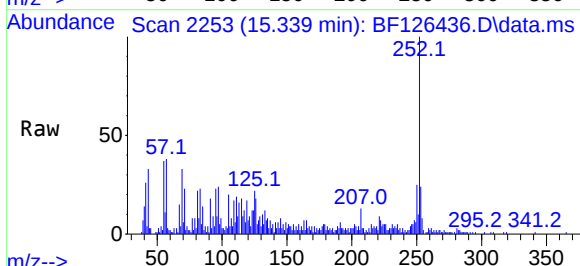
Delta R.T. 0.006 min

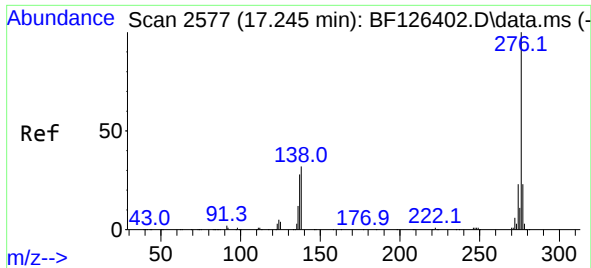
Lab File: BF126436.D

Acq: 31 Dec 2021 00:11

Tgt Ion:252 Resp: 43446

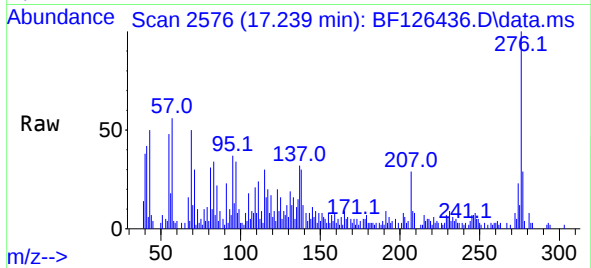
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	21.9	13.0	19.6





#92
Benzo(g,h,i)perylene
Concen: 3.469 ng
RT: 17.239 min Scan# 2576
Delta R.T. -0.006 min
Lab File: BF126436.D
Acq: 31 Dec 2021 00:11

Instrument :
BNA_F
ClientSampleId :
CONC-14C



Tgt Ion:276 Resp: 31650
Ion Ratio Lower Upper
276 100
277 28.6 18.5 27.7
138 30.5 25.9 38.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/31/2021
Supervised By :mohammad ahmed 12/31/2021

