

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136524.D
 Acq On : 12 Dec 2023 19:28
 Operator : CG\JU
 Sample : 05726-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 12 23:19:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	83947	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	307044	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	135703	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	228776	20.000	ng	0.00
76) Chrysene-d12	13.974	240	208086	20.000	ng	0.00
86) Perylene-d12	15.457	264	212008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	471211	82.897	ng	0.00
7) Phenol-d6	6.434	99	566837	79.926	ng	-0.01
23) Nitrobenzene-d5	7.357	82	328056	57.760	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	127268	76.061	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	633779	63.727	ng	-0.01
79) Terphenyl-d14	12.916	244	614264	38.908	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	38203	3.038	ng	99
75) Fluoranthene	12.539	202	90322	6.854	ng	99
78) Pyrene	12.769	202	91086	4.470	ng	97
81) Benzo(a)anthracene	13.963	228	46931	3.238	ng	95
83) Chrysene	13.998	228	53023	3.718	ng	97
88) Benzo(b)fluoranthene	15.016	252	69757m	4.812	ng	
90) Benzo(a)pyrene	15.386	252	42811	3.576	ng	97

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

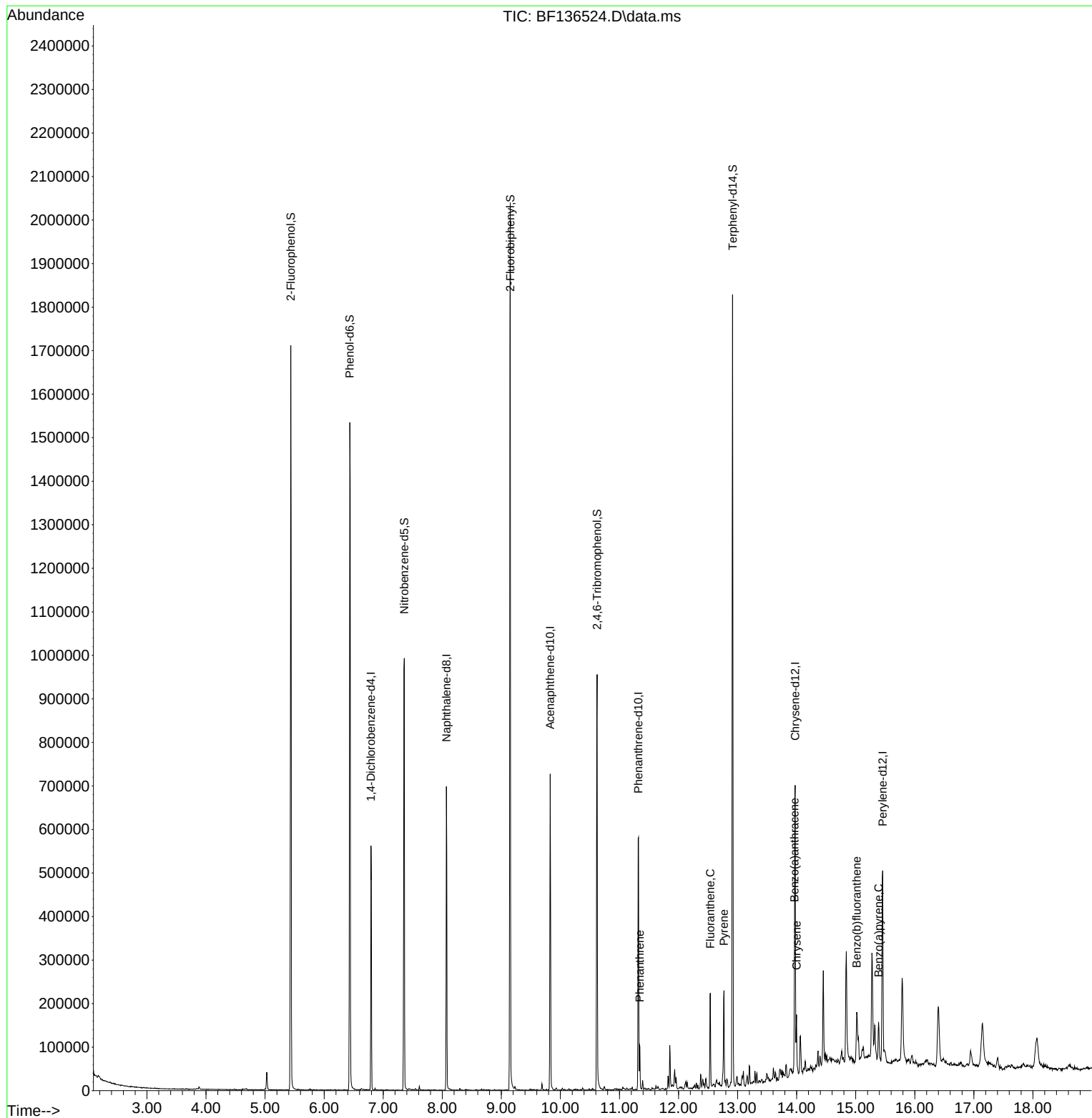
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
Data File : BF136524.D
Acq On : 12 Dec 2023 19:28
Operator : CG\JU
Sample : 05726-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

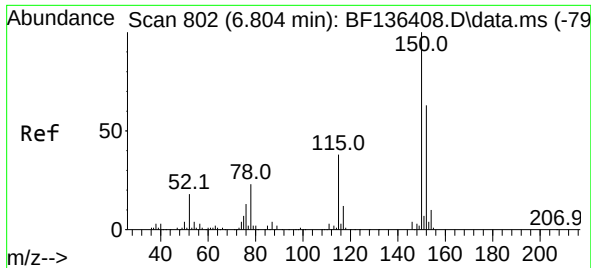
Instrument :
BNA_F
ClientSampleId :
WC-2

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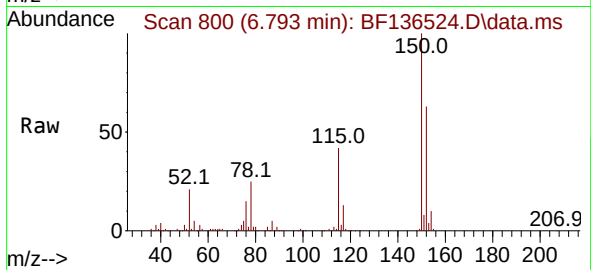
Quant Time: Dec 12 23:19:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 802
Delta R.T. -0.011 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

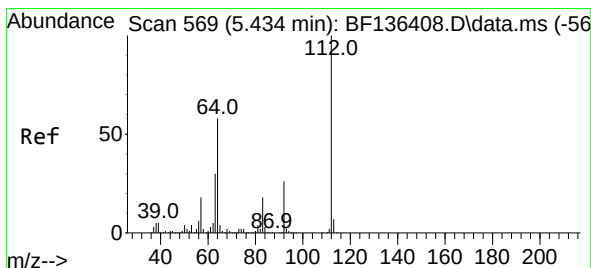
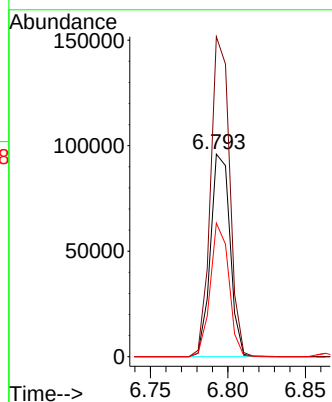
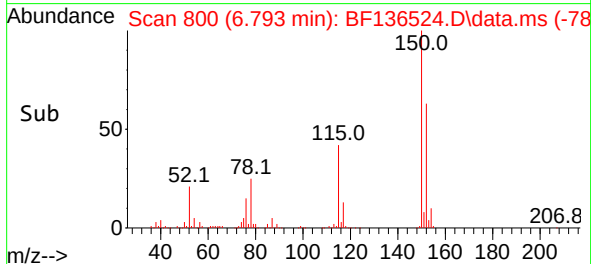
Instrument :
BNA_F
ClientSampleId :
WC-2



Tgt Ion:152 Resp: 8394
Ion Ratio Lower Upper
152 100
150 158.0 126.4 189.6
115 66.0 48.2 72.4

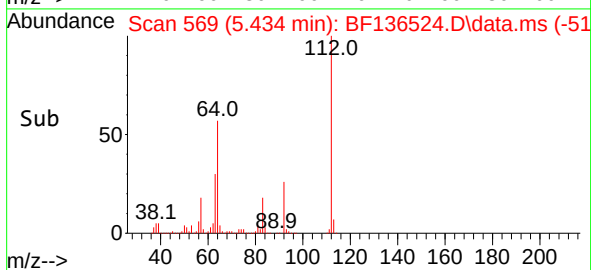
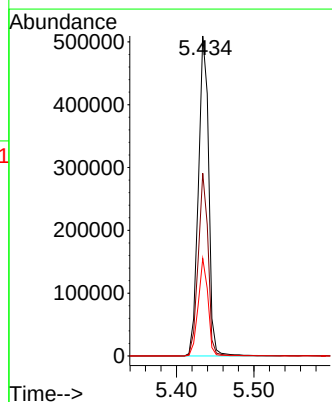
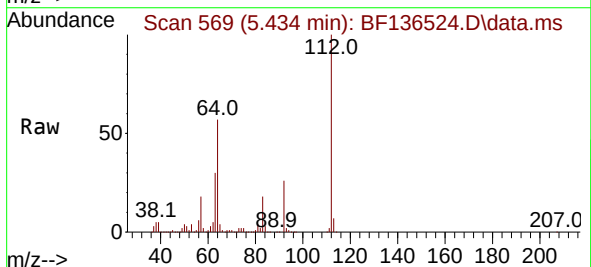
Manual Integrations
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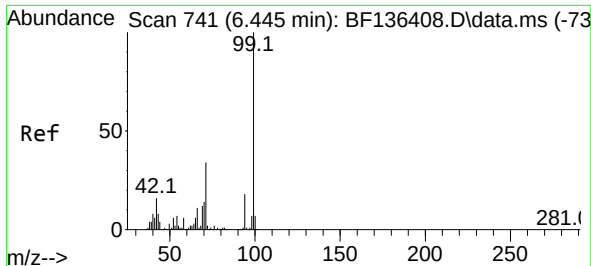
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 82.897 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.000 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

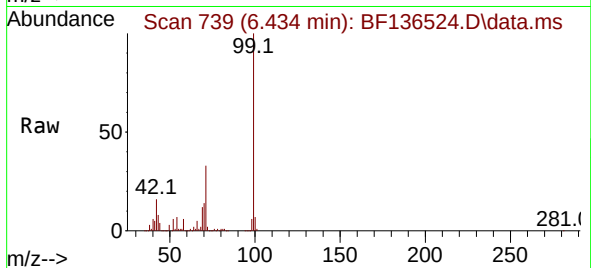
Tgt Ion:112 Resp: 471211
Ion Ratio Lower Upper
112 100
64 57.1 46.5 69.7
63 30.4 23.9 35.9





#7
Phenol-d6
Concen: 79.926 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

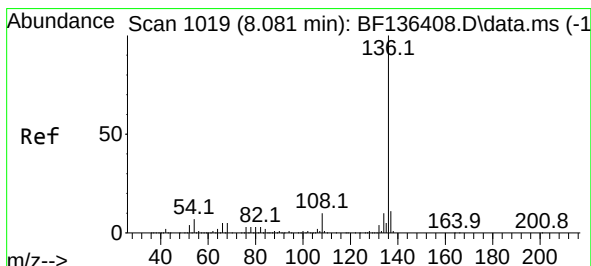
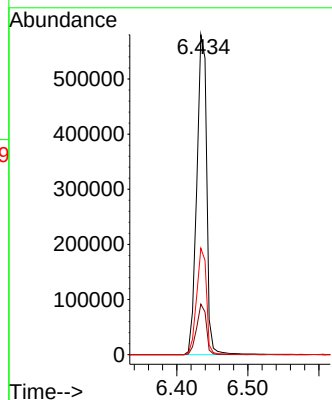
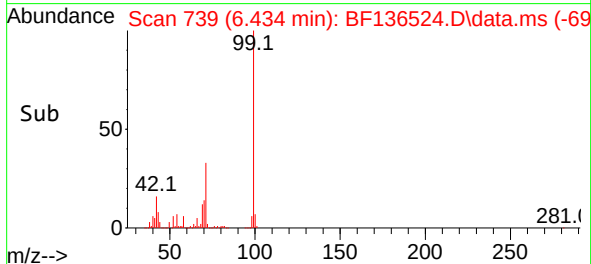
Instrument :
BNA_F
ClientSampleId :
WC-2



Tgt Ion: 99 Resp: 56683
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 33.3 27.0 40.4

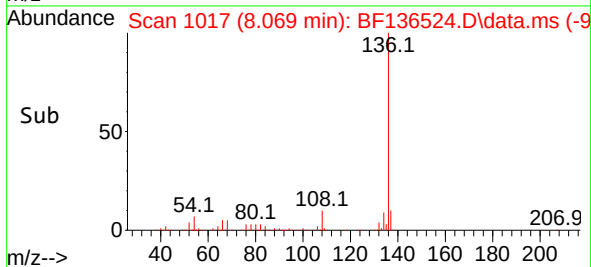
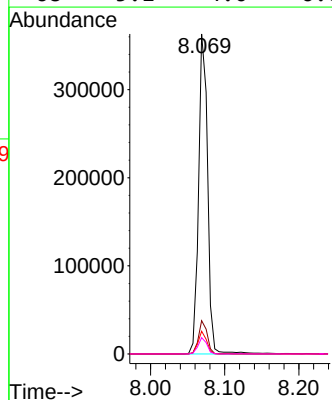
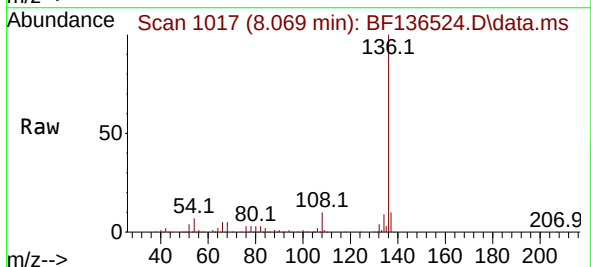
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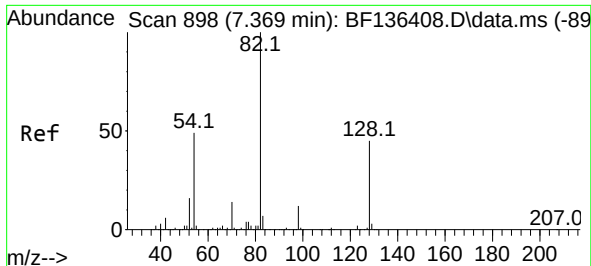
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion:136 Resp: 307044
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 7.1 5.7 8.5
68 5.1 4.0 6.0





#23

Nitrobenzene-d5

Concen: 57.760 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

Instrument :

BNA_F

ClientSampleId :

WC-2

Tgt Ion: 82 Resp: 32805

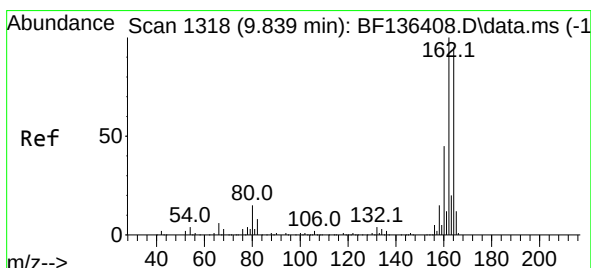
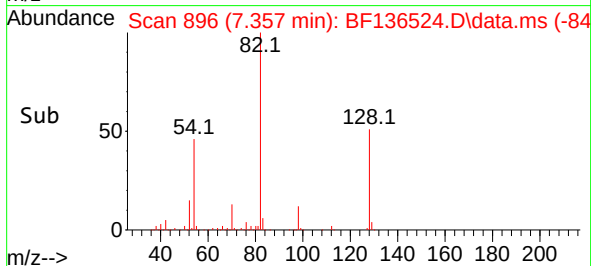
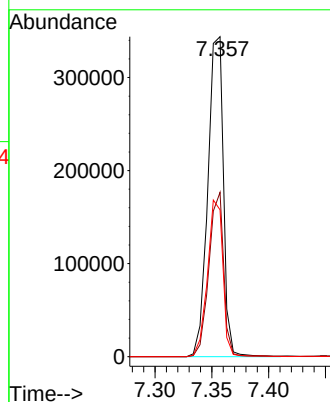
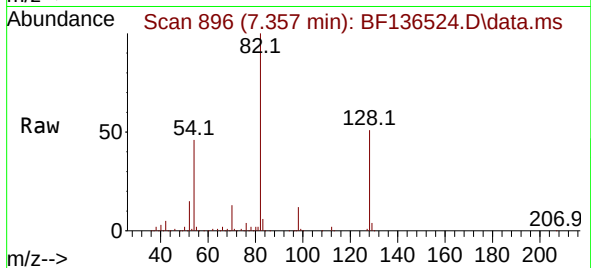
Ion	Ratio	Lower	Upper
82	100		
128	51.3	36.3	54.5
54	45.9	39.0	58.6

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Supervised By :mohammad ahmed 12/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

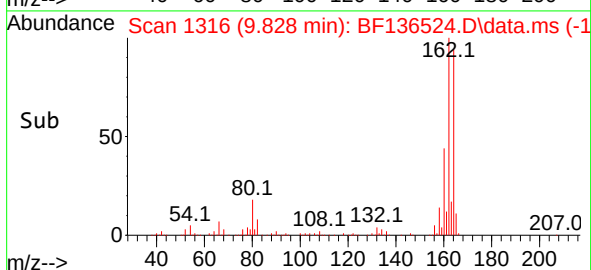
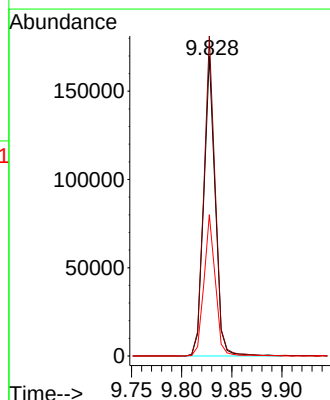
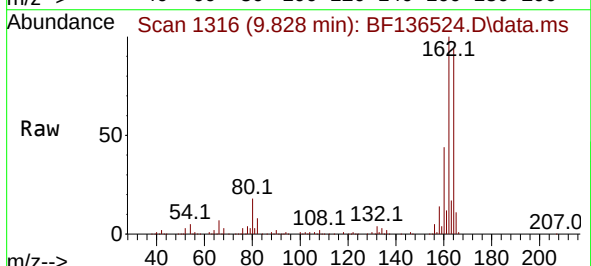
Delta R.T. -0.012 min

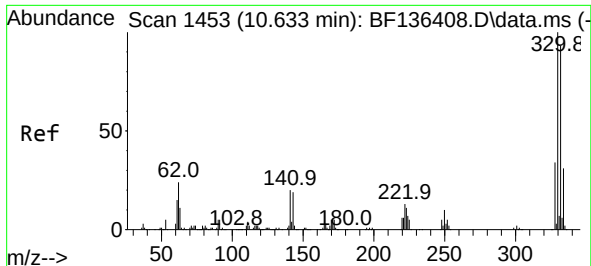
Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

Tgt Ion:164 Resp: 135703

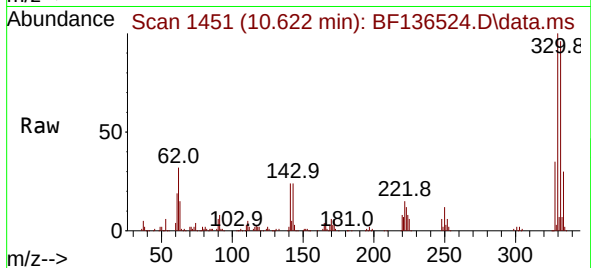
Ion	Ratio	Lower	Upper
164	100		
162	106.7	84.4	126.6
160	47.1	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 76.061 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

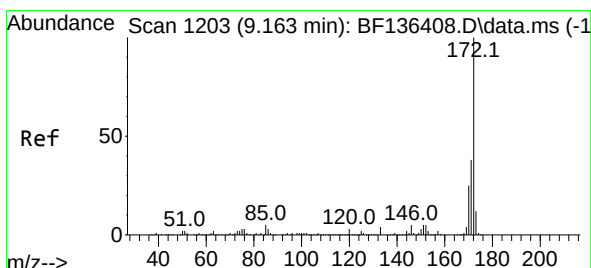
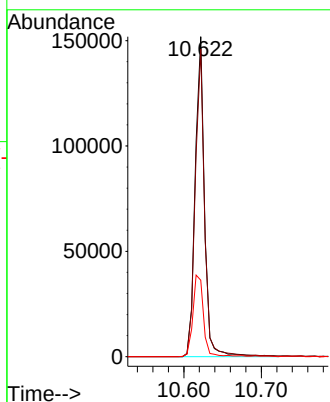
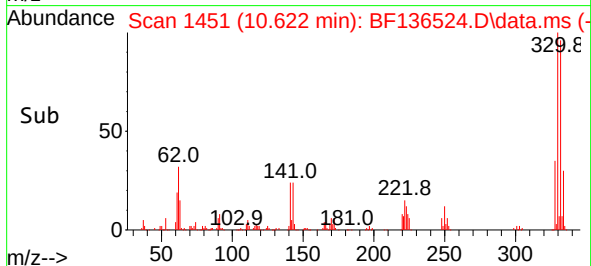
Instrument :
BNA_F
ClientSampleId :
WC-2



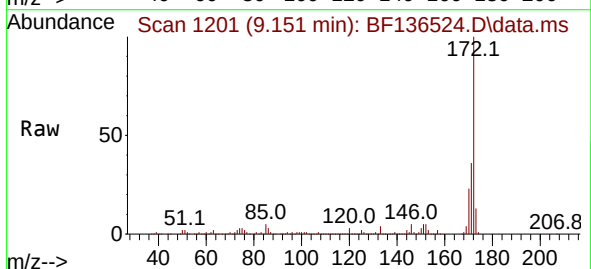
Tgt Ion:330 Resp: 127268
Ion Ratio Lower Upper
330 100
332 96.5 76.4 114.6
141 29.1 23.4 35.2

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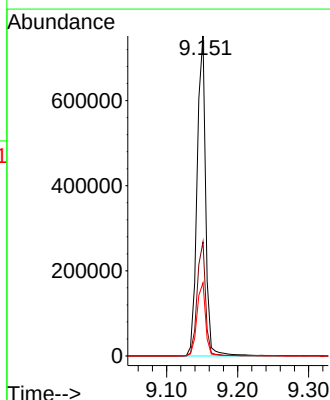
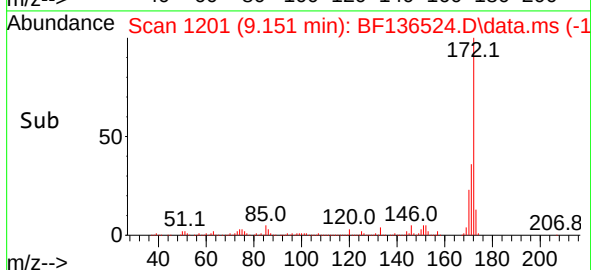
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

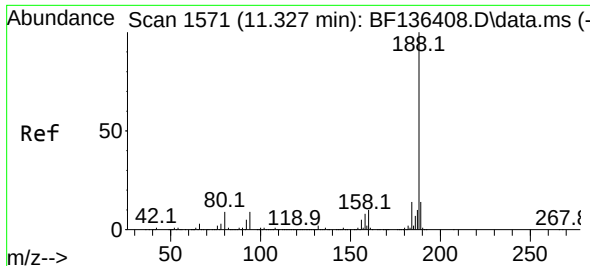


#45
2-Fluorobiphenyl
Concen: 63.727 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28



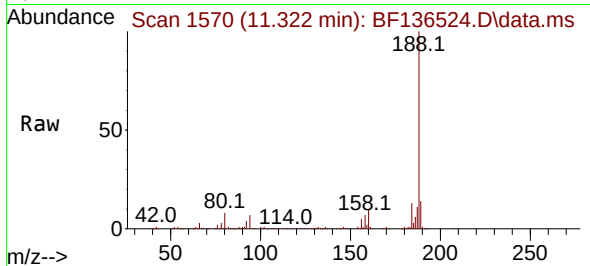
Tgt Ion:172 Resp: 633779
Ion Ratio Lower Upper
172 100
171 35.7 30.5 45.7
170 22.9 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

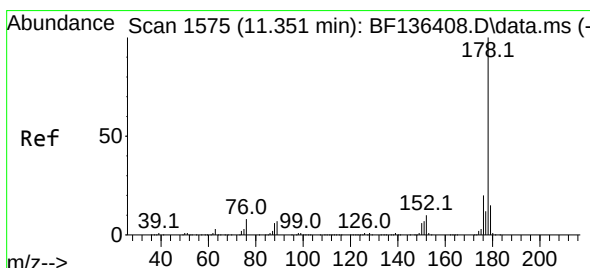
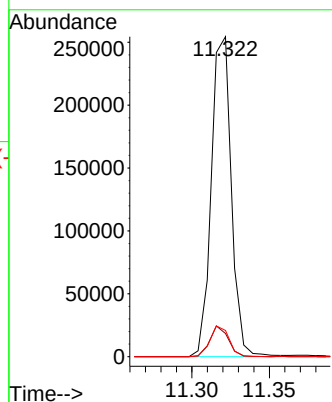
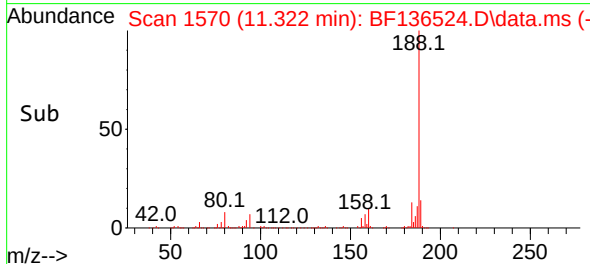
Instrument :
BNA_F
ClientSampleId :
WC-2



Tgt Ion:188 Resp: 228770
Ion Ratio Lower Upper
188 100
94 7.3 7.2 10.8
80 8.2 7.2 10.8

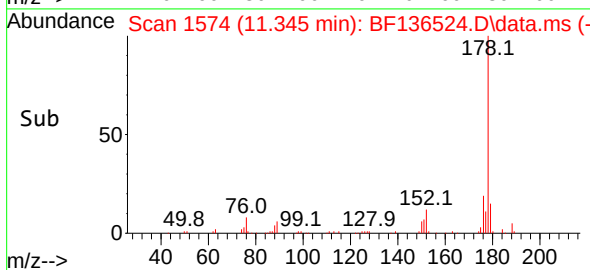
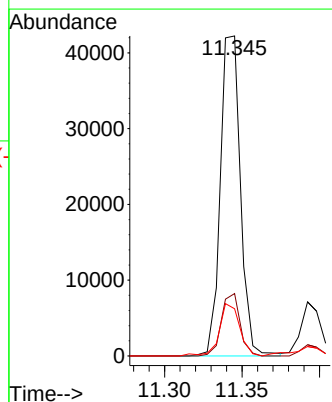
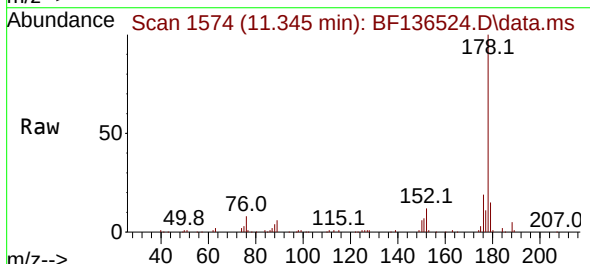
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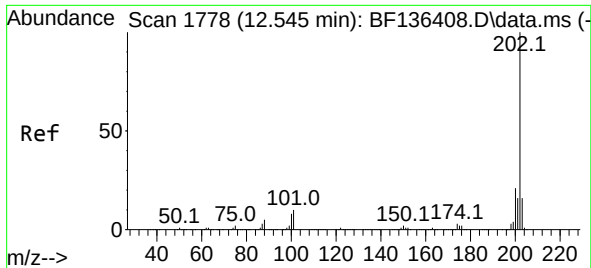
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#71
Phenanthrene
Concen: 3.038 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

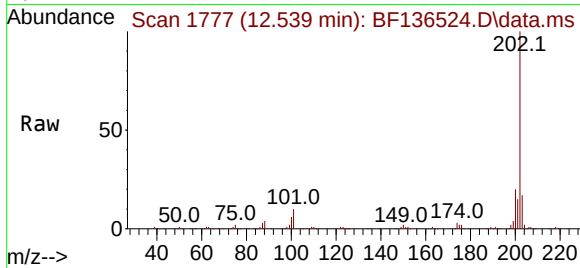
Tgt Ion:178 Resp: 38203
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 14.7 11.8 17.6





#75
Fluoranthene
Concen: 6.854 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

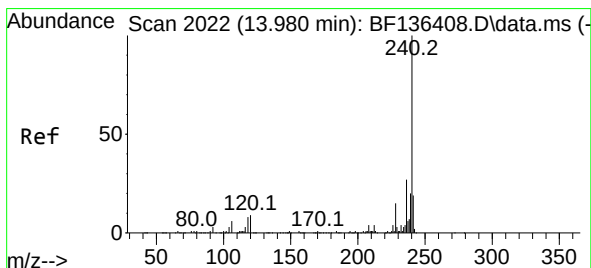
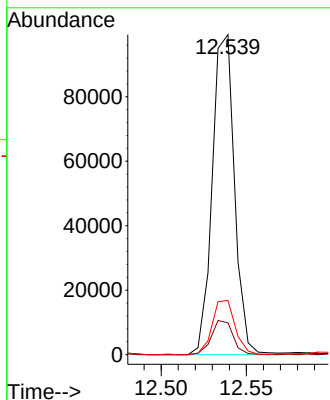
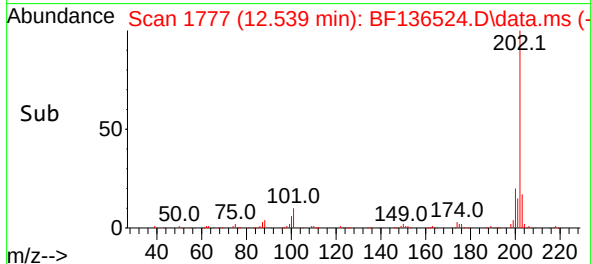
Instrument :
BNA_F
ClientSampleId :
WC-2



Tgt Ion:202 Resp: 9032
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.9
203 17.0 0.0 36.3

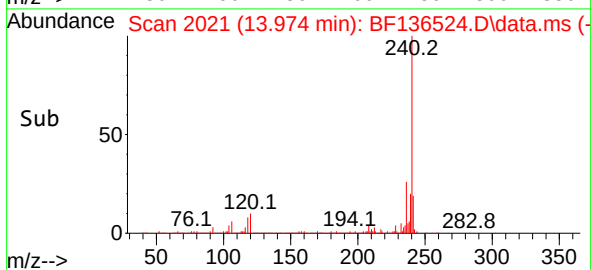
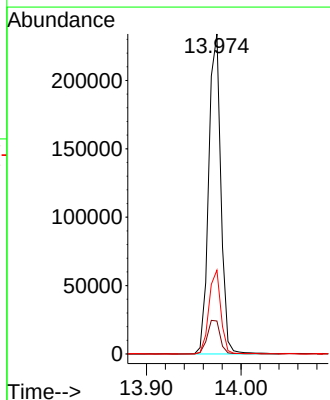
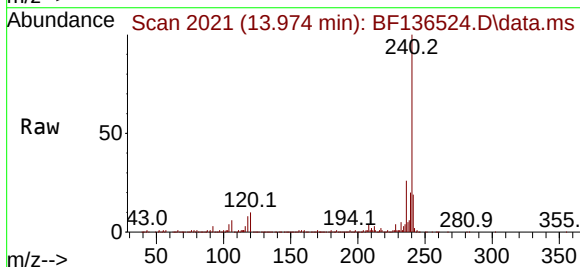
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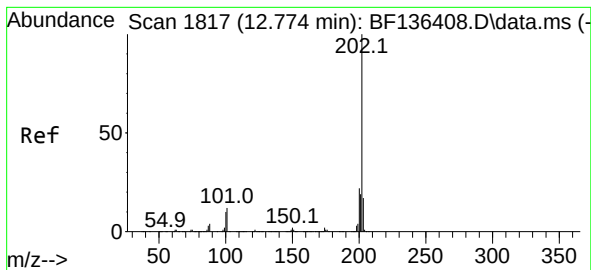
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion:240 Resp: 208086
Ion Ratio Lower Upper
240 100
120 10.3 7.3 10.9
236 26.2 21.3 31.9





#78

Pyrene

Concen: 4.470 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

Instrument :

BNA_F

ClientSampleId :

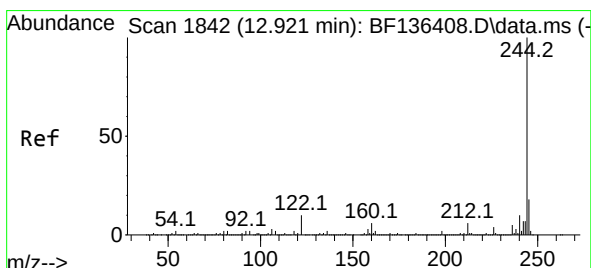
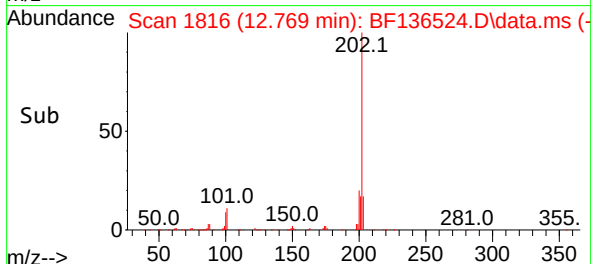
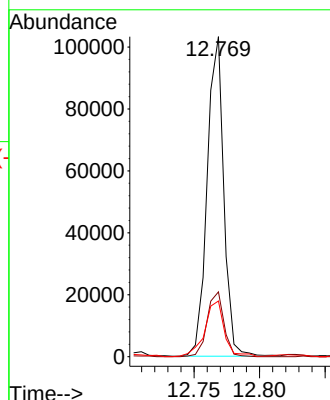
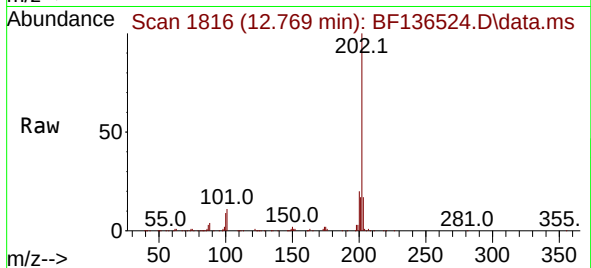
WC-2

Tgt Ion:202 Resp: 91080
 Ion Ratio Lower Upper
 202 100
 200 20.2 18.0 27.0
 203 17.4 13.5 20.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#79

Terphenyl-d14

Concen: 38.908 ng

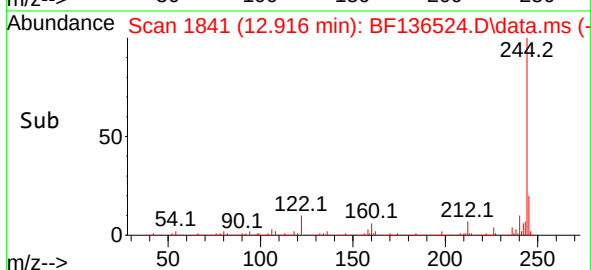
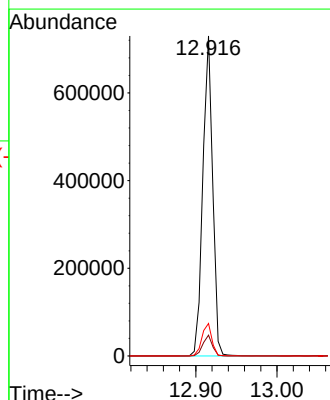
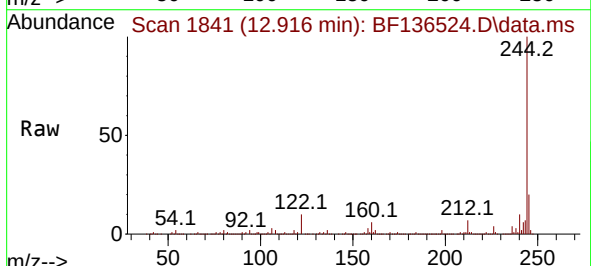
RT: 12.916 min Scan# 1841

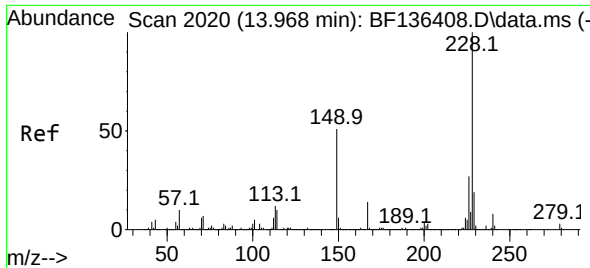
Delta R.T. -0.006 min

Lab File: BF136524.D

Acq: 12 Dec 2023 19:28

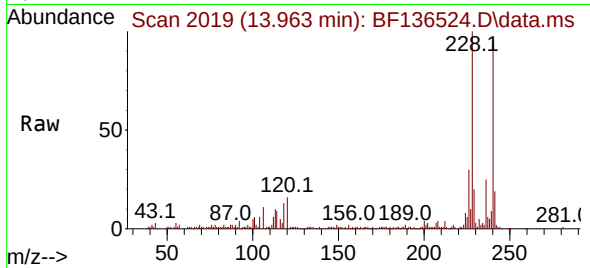
Tgt Ion:244 Resp: 614264
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 10.1 8.3 12.5





#81
Benzo(a)anthracene
Concen: 3.238 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

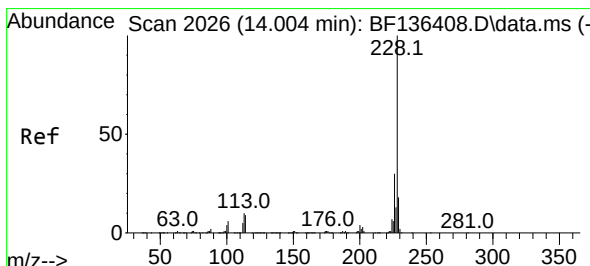
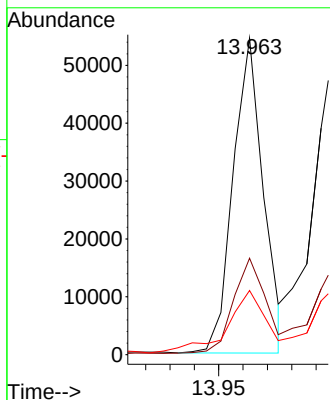
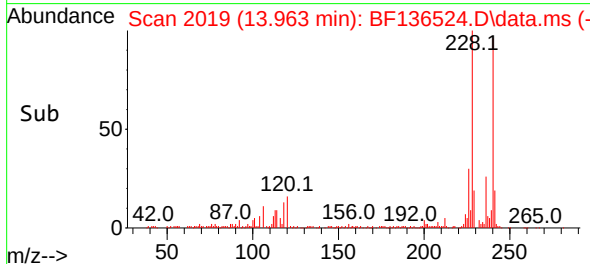
Instrument :
BNA_F
ClientSampleId :
WC-2



Tgt Ion:228 Resp: 4693
Ion Ratio Lower Upper
228 100
226 30.5 21.8 32.8
229 20.3 15.0 22.4

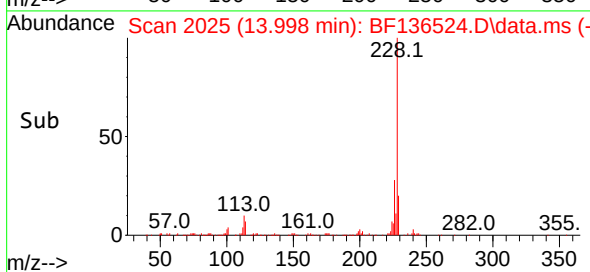
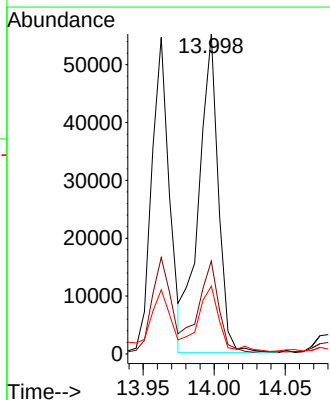
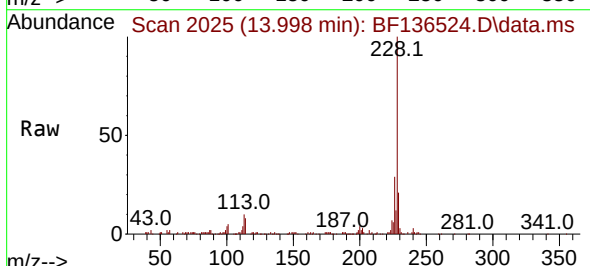
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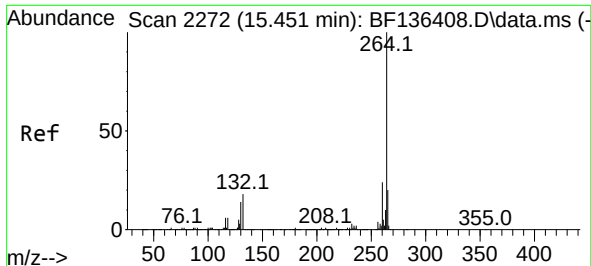
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#83
Chrysene
Concen: 3.718 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Tgt Ion:228 Resp: 53023
Ion Ratio Lower Upper
228 100
226 29.0 23.8 35.6
229 21.2 14.8 22.2





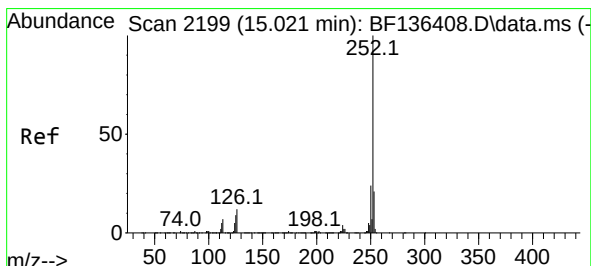
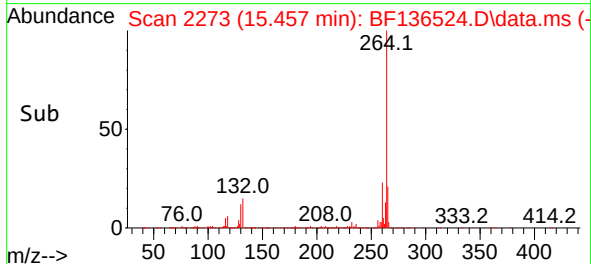
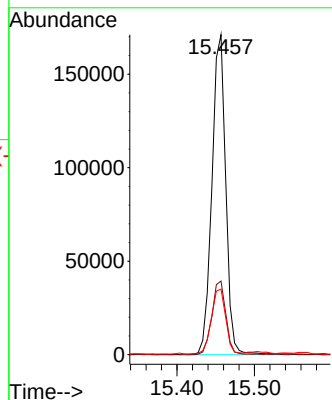
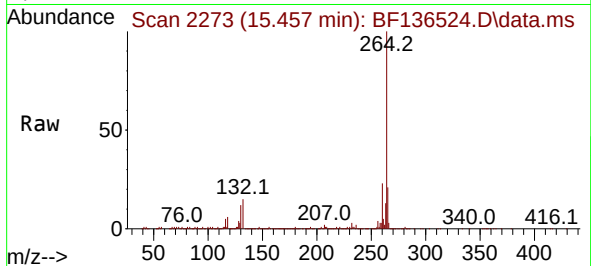
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:264 Resp: 212008
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 20.5 15.9 23.9

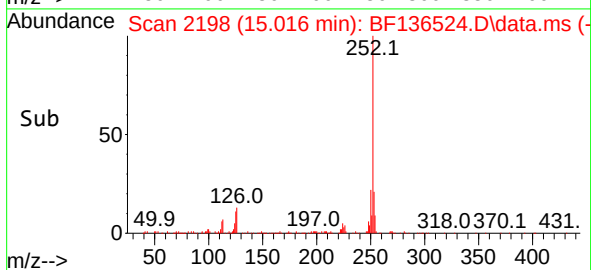
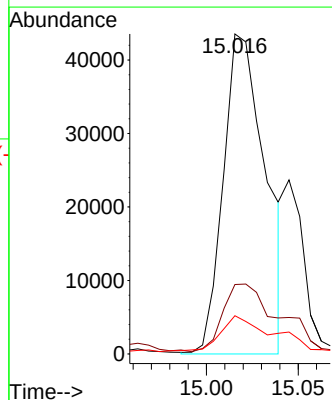
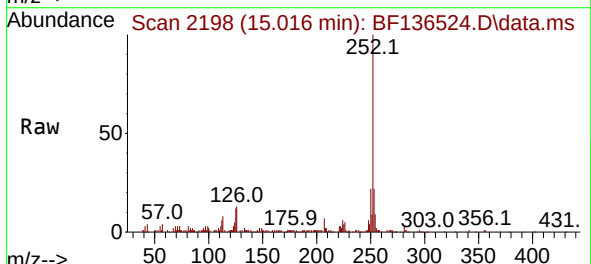
Manual Integrations
APPROVED

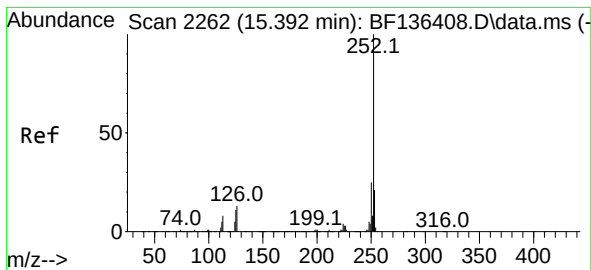
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#88
Benzo(b)fluoranthene
Concen: 4.812 ng m
RT: 15.016 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

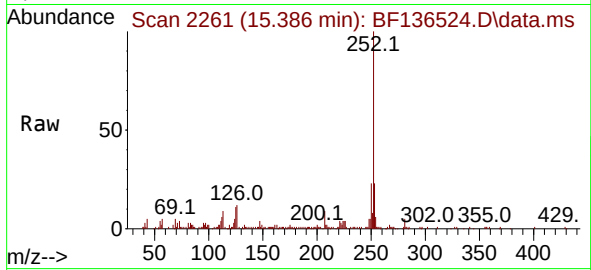
Tgt Ion:252 Resp: 69757
Ion Ratio Lower Upper
252 100
253 21.7 16.9 25.3
125 11.9 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 3.576 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136524.D
Acq: 12 Dec 2023 19:28

Instrument :
BNA_F
ClientSampleId :
WC-2



Tgt Ion:252 Resp: 4281
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 11.3 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

