

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136561.D
 Acq On : 14 Dec 2023 03:38
 Operator : CG\JU
 Sample : 05588-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TUDOR

Manual Integrations
 APPROVED

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

Quant Time: Dec 14 04:06:31 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	6.798	152	63660	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	209921	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	97029	20.000	ng	-0.01
64) Phenanthrene-d10	11.321	188	181458	20.000	ng	0.00
76) Chrysene-d12	13.974	240	148743	20.000	ng	0.00
86) Perylene-d12	15.456	264	108834	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	80902	18.768	ng	0.00
7) Phenol-d6	6.434	99	98769	18.365	ng	-0.01
23) Nitrobenzene-d5	7.351	82	54068	13.924	ng	-0.02
42) 2,4,6-Tribromophenol	10.621	330	18384	15.366	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	105622	14.853	ng	-0.02
79) Terphenyl-d14	12.915	244	126792	11.235	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.539	202	34056	3.258	ng	95
78) Pyrene	12.768	202	40959	2.812	ng	94
81) Benzo(a)anthracene	13.962	228	26109	2.520	ng	97
83) Chrysene	13.998	228	22974	2.254	ng	96
88) Benzo(b)fluoranthene	15.021	252	25630m	3.444	ng	
90) Benzo(a)pyrene	15.392	252	16063	2.614	ng	# 88

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

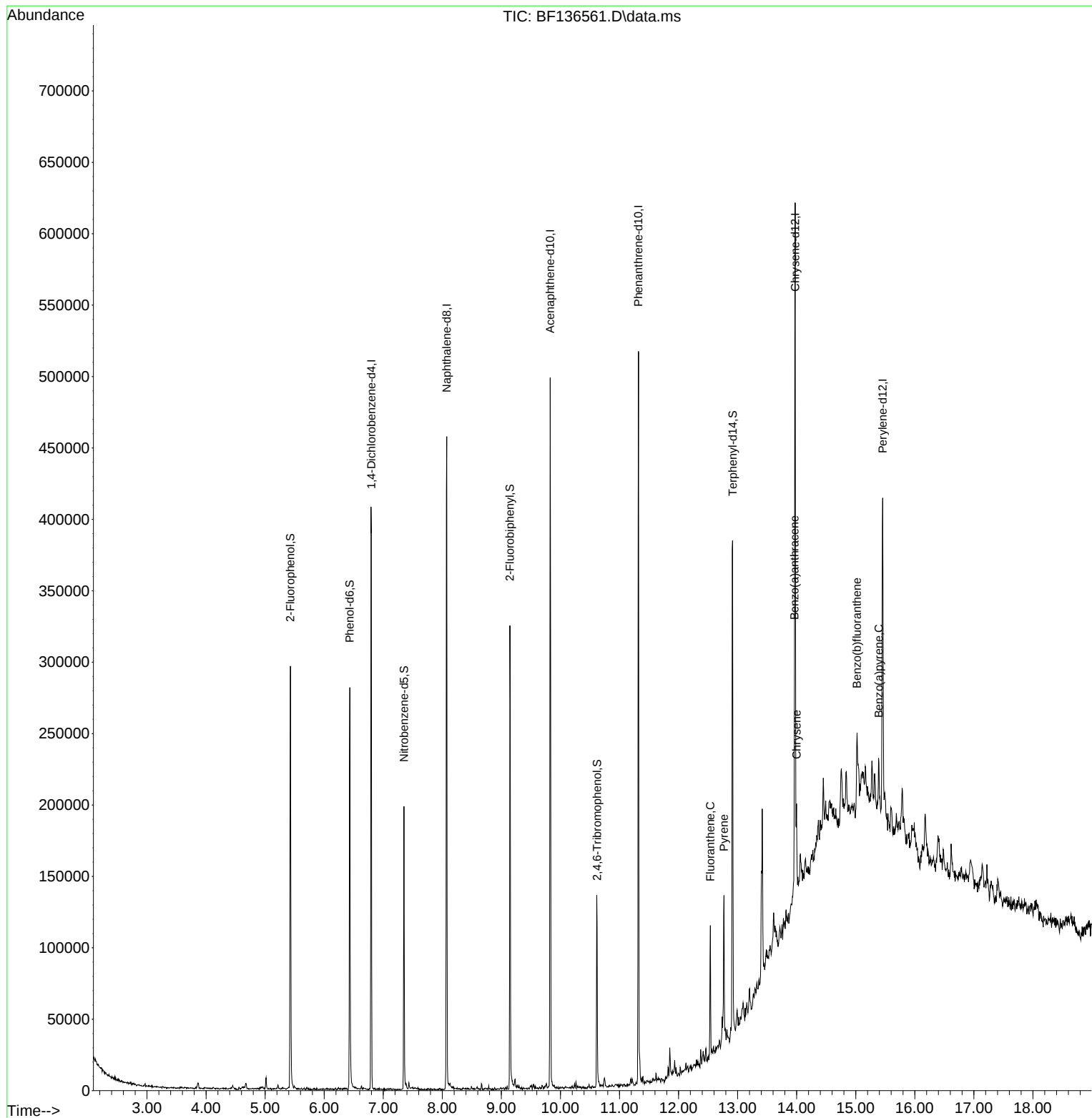
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
Data File : BF136561.D
Acq On : 14 Dec 2023 03:38
Operator : CG\JU
Sample : 05588-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

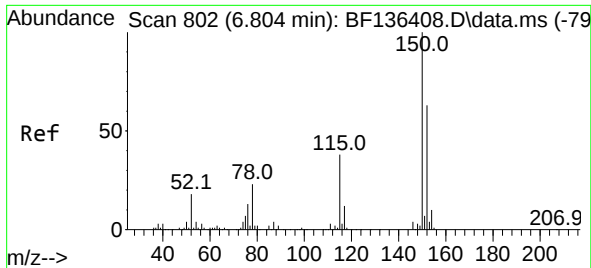
Instrument :
BNA_F
ClientSampleId :
TUDOR

Quant Time: Dec 14 04:06:31 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

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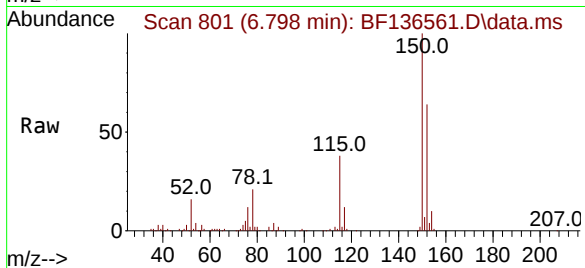
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

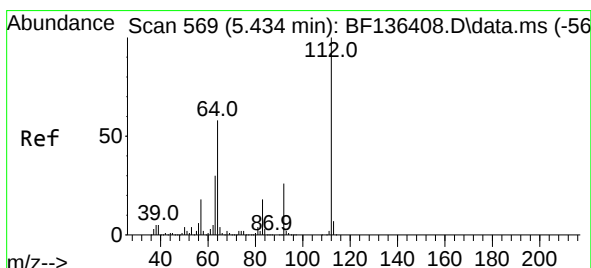
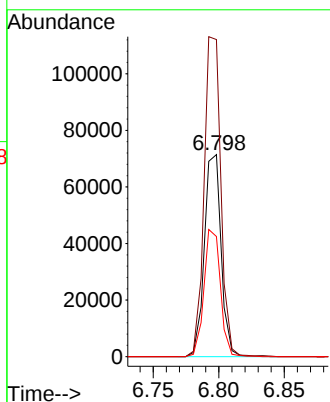
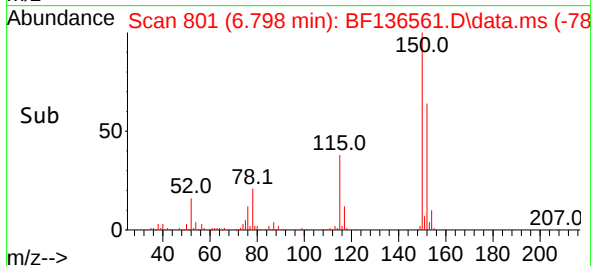
Instrument :
BNA_F
ClientSampleId :
TUDOR



Tgt Ion:152 Resp: 63660
Ion Ratio Lower Upper
152 100
150 157.0 126.4 189.6
115 59.5 48.2 72.4

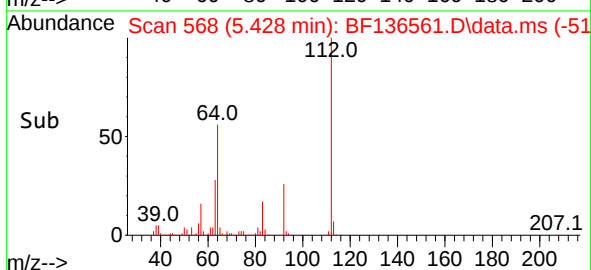
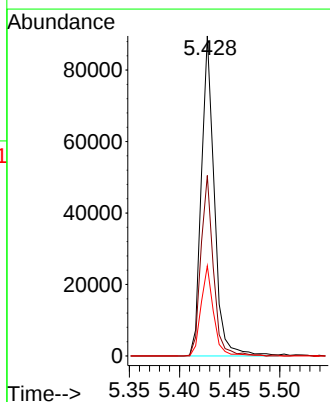
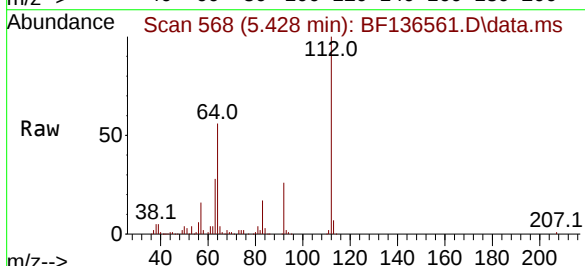
Manual Integrations
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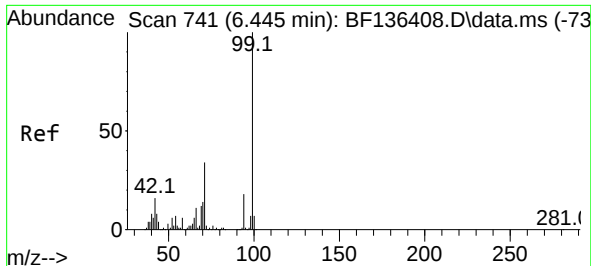
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 18.768 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

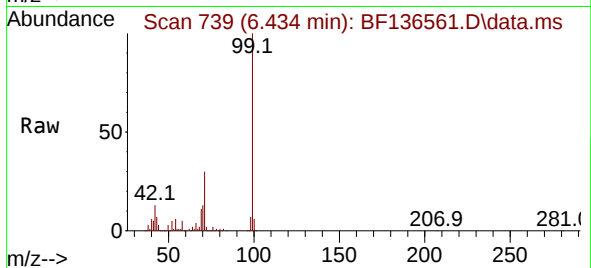
Tgt Ion:112 Resp: 80902
Ion Ratio Lower Upper
112 100
64 56.4 46.5 69.7
63 28.1 23.9 35.9





#7
Phenol-d6
Concen: 18.365 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

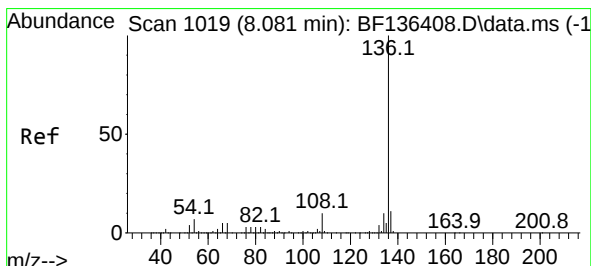
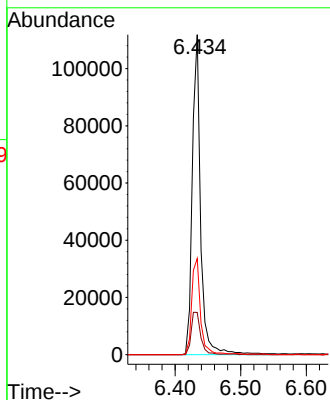
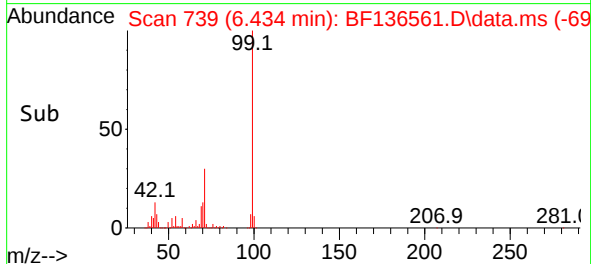
Instrument :
BNA_F
ClientSampleId :
TUDOR



Tgt Ion: 99 Resp: 98769
Ion Ratio Lower Upper
99 100
42 13.2 12.8 19.2
71 30.1 27.0 40.4

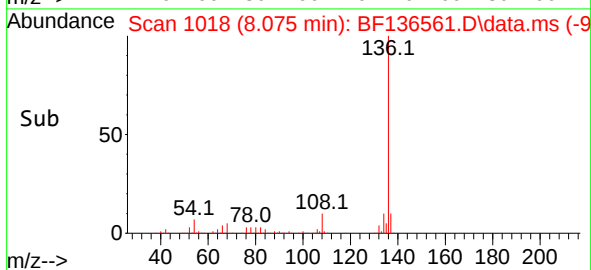
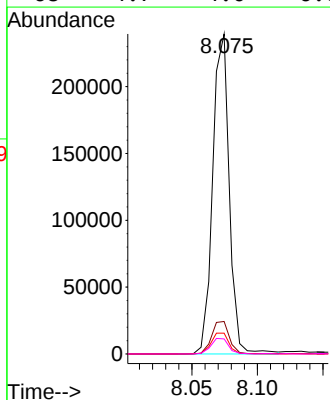
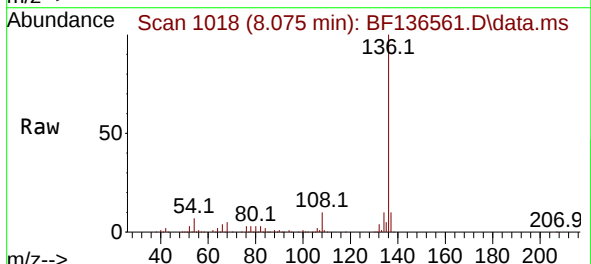
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Supervised By :mohammad ahmed 12/14/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:136 Resp: 209921
Ion Ratio Lower Upper
136 100
137 10.1 8.6 12.8
54 6.5 5.7 8.5
68 4.7 4.0 6.0





#23

Nitrobenzene-d5

Concen: 13.924 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

Instrument :

BNA_F

ClientSampleId :

TUDOR

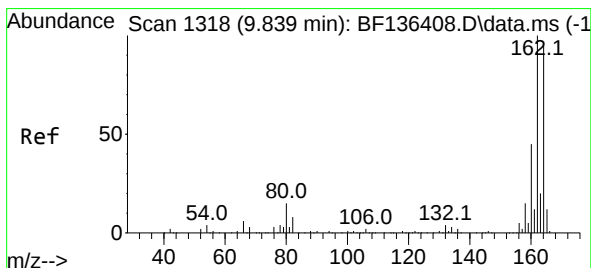
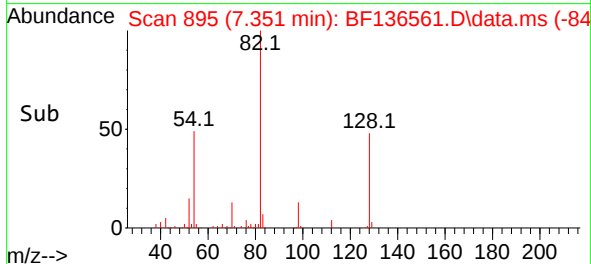
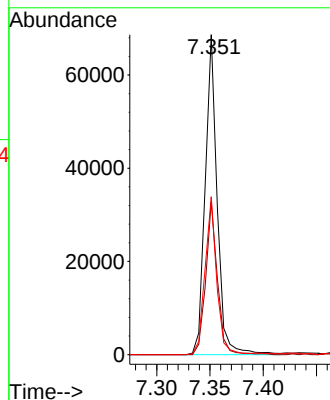
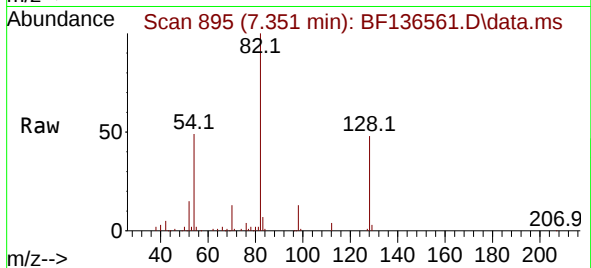
Tgt Ion:	82	Resp:	5406
Ion Ratio	Lower	Upper	
82	100		
128	47.9	36.3	54.5
54	49.4	39.0	58.6

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Supervised By :mohammad ahmed 12/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

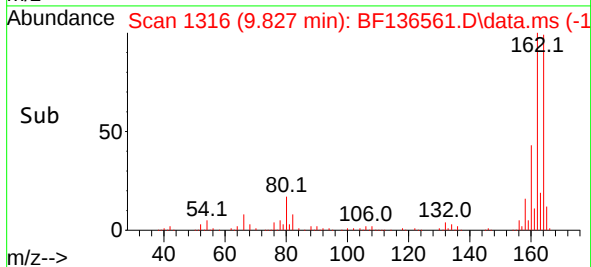
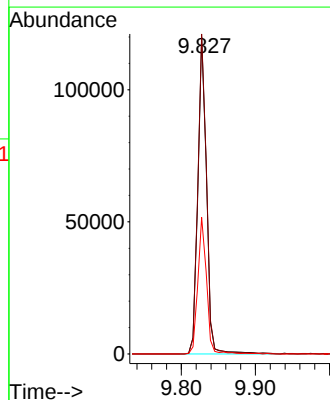
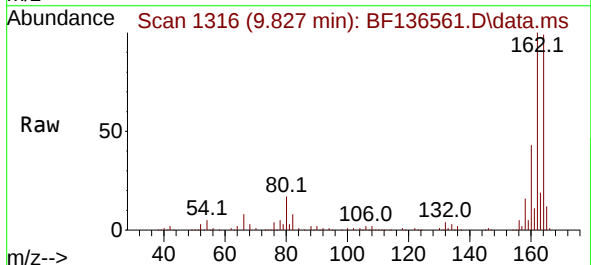
RT: 9.827 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

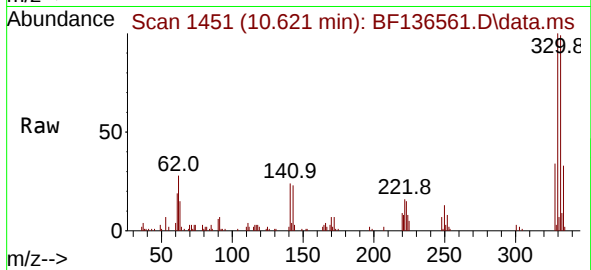
Tgt Ion:	164	Resp:	97029
Ion Ratio	Lower	Upper	
164	100		
162	100.9	84.4	126.6
160	43.1	37.6	56.4





#42
2,4,6-Tribromophenol
Concen: 15.366 ng
RT: 10.621 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

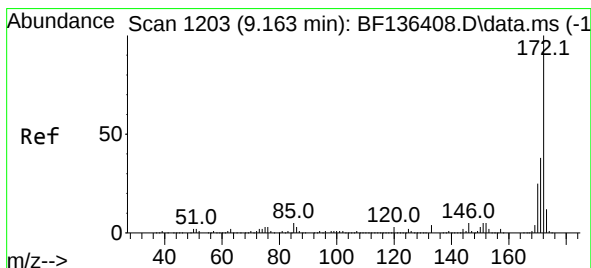
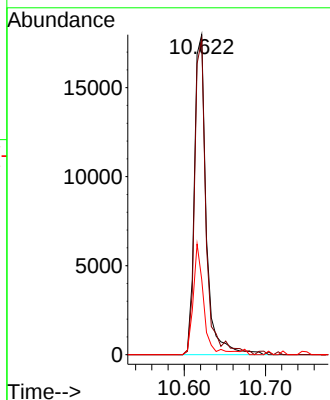
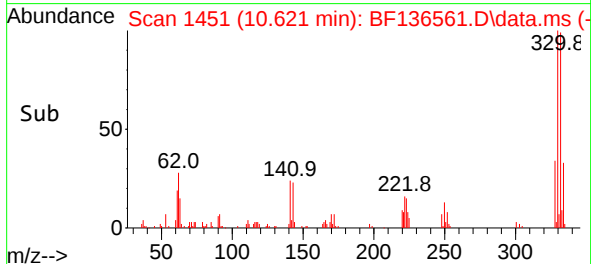
Instrument :
BNA_F
ClientSampleId :
TUDOR



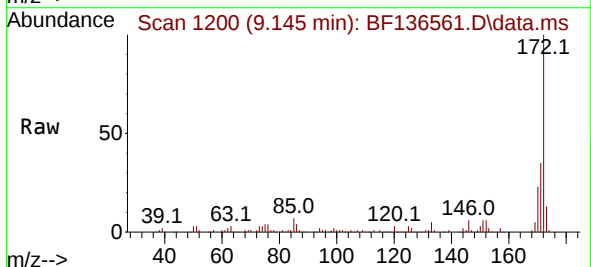
Tgt Ion: 330 Resp: 18384
Ion Ratio Lower Upper
330 100
332 94.6 76.4 114.6
141 30.3 23.4 35.2

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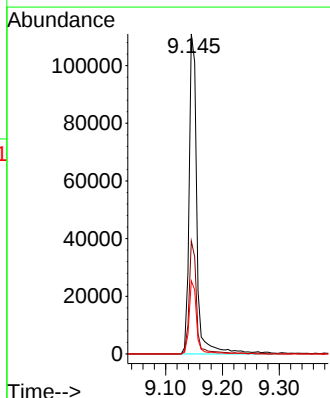
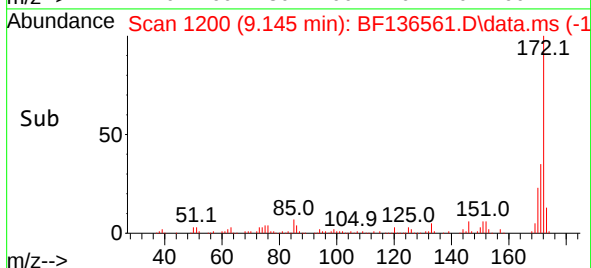
Reviewed By : Yogesh Patel 12/14/2023
Supervised By : mohammad ahmed 12/14/2023



#45
2-Fluorobiphenyl
Concen: 14.853 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38



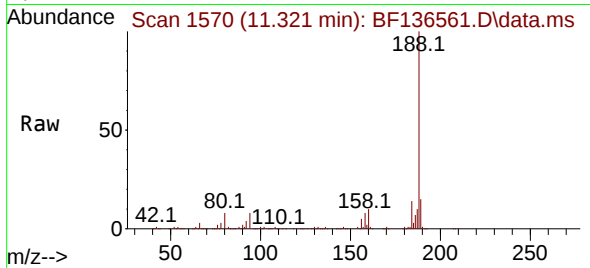
Tgt Ion: 172 Resp: 105622
Ion Ratio Lower Upper
172 100
171 35.3 30.5 45.7
170 22.9 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 11321
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

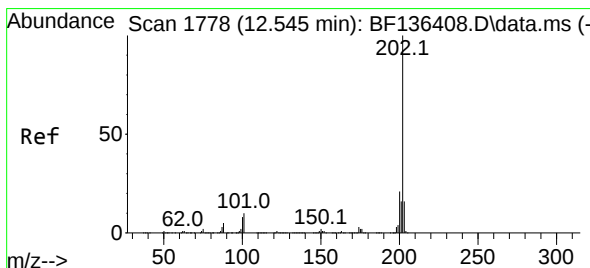
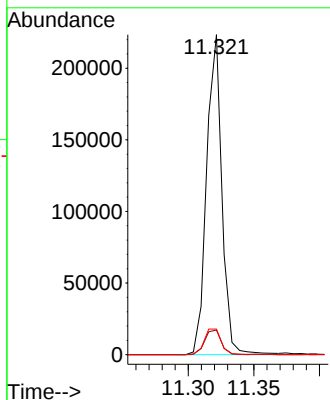
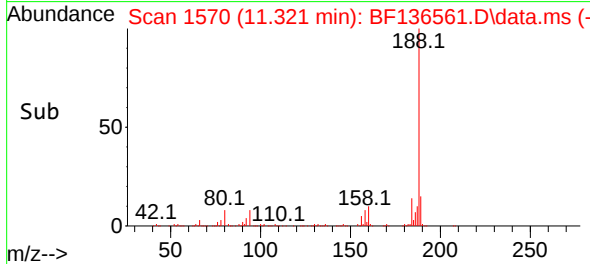
Instrument :
BNA_F
ClientSampleId :
TUDOR



Tgt Ion:188 Resp: 181456
Ion Ratio Lower Upper
188 100
94 7.7 7.2 10.8
80 8.0 7.2 10.8

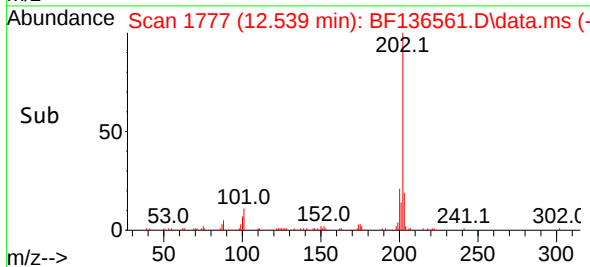
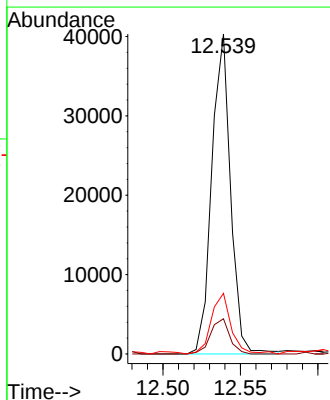
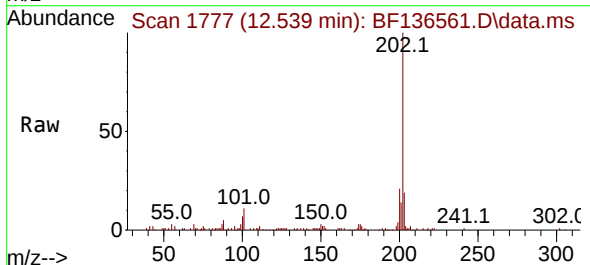
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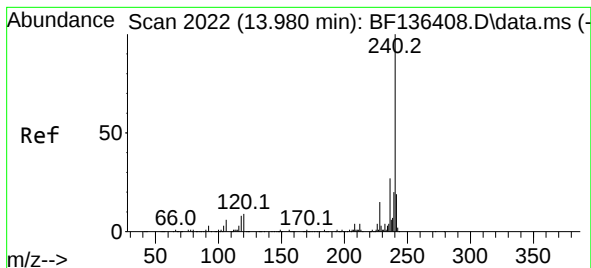
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#75
Fluoranthene
Concen: 3.258 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:202 Resp: 34056
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.9
203 19.0 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

Instrument :

BNA_F

ClientSampleId :

TUDOR

Tgt Ion:240 Resp: 14874

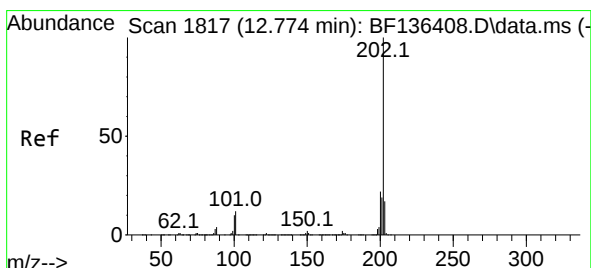
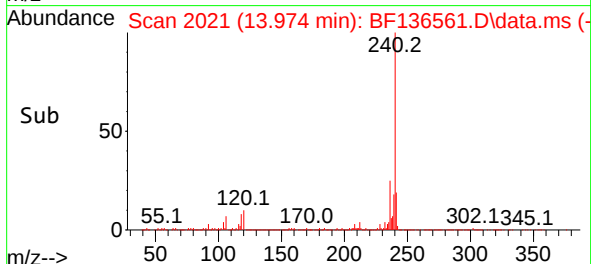
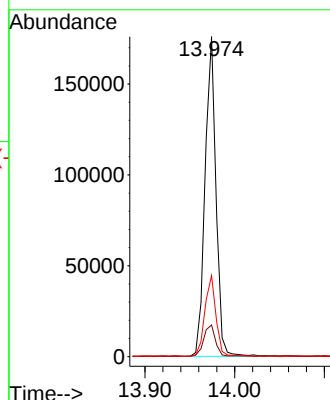
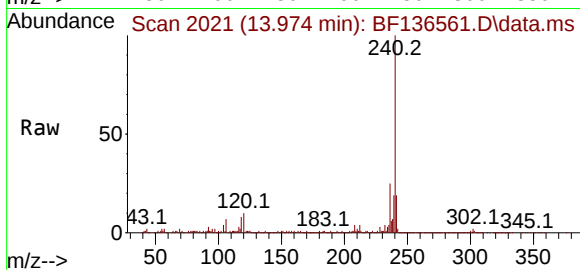
Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.3	10.9
236	25.4	21.3	31.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#78

Pyrene

Concen: 2.812 ng

RT: 12.768 min Scan# 1816

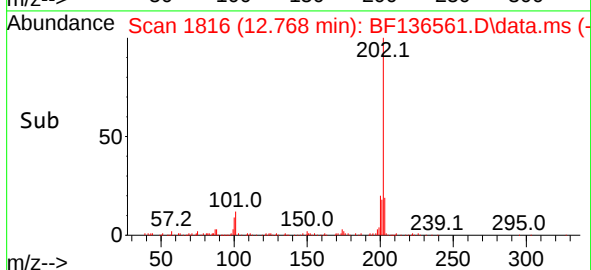
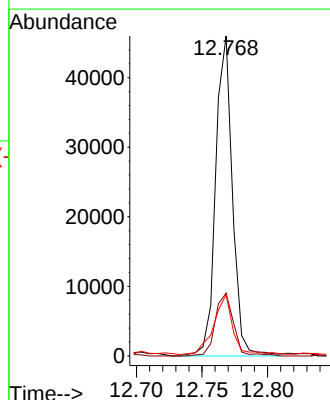
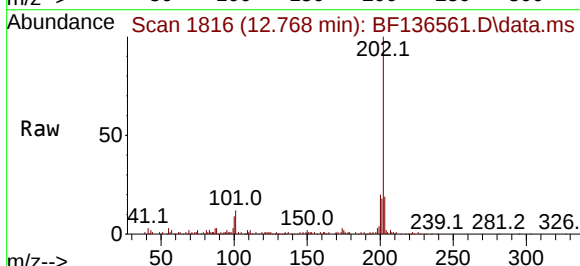
Delta R.T. -0.006 min

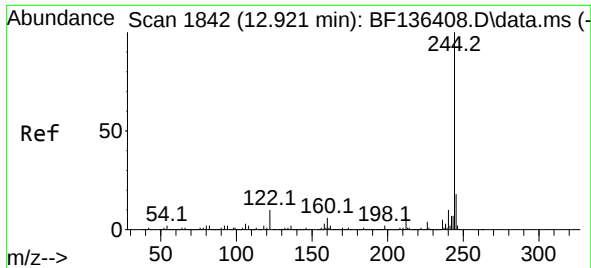
Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

Tgt Ion:202 Resp: 40959

Ion	Ratio	Lower	Upper
202	100		
200	19.7	18.0	27.0
203	19.2	13.5	20.3





#79
 Terphenyl-d14
 Concen: 11.235 ng
 RT: 12.915 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136561.D
 Acq: 14 Dec 2023 03:38

Instrument :

BNA_F

ClientSampleId :

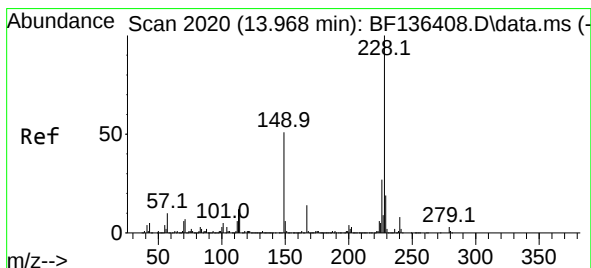
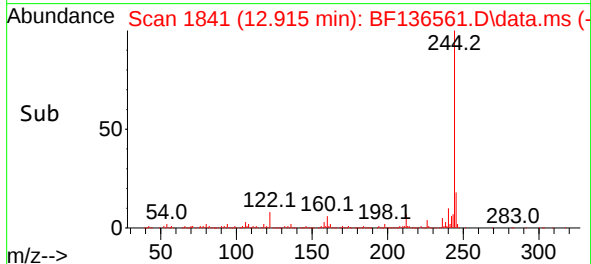
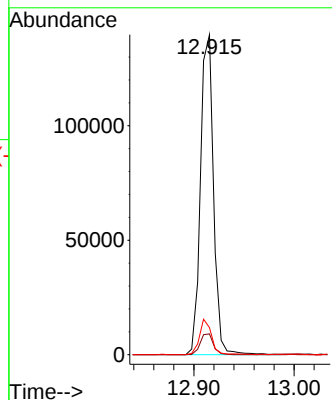
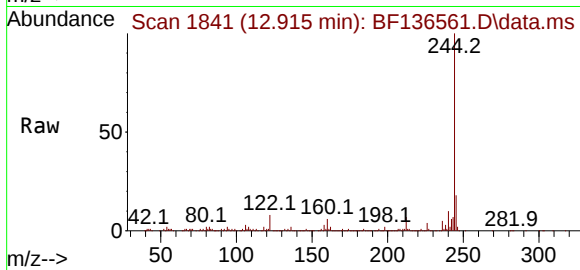
TUDOR

Tgt Ion:244 Resp: 126792
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 8.4 8.3 12.5

Manual Integrations

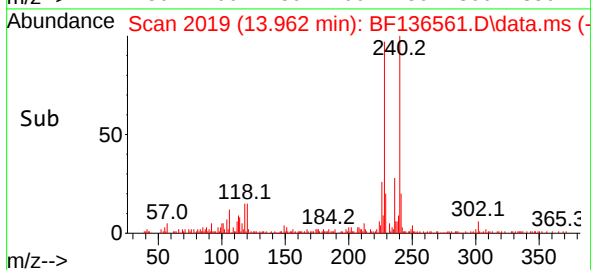
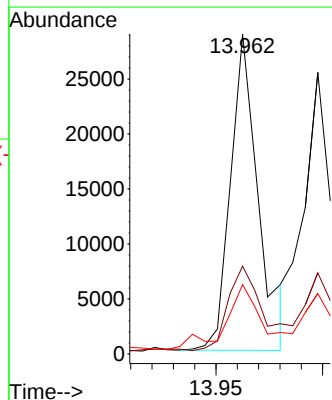
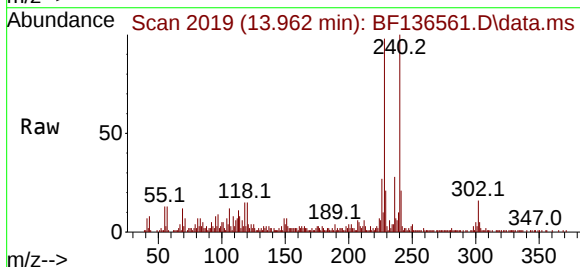
APPROVED

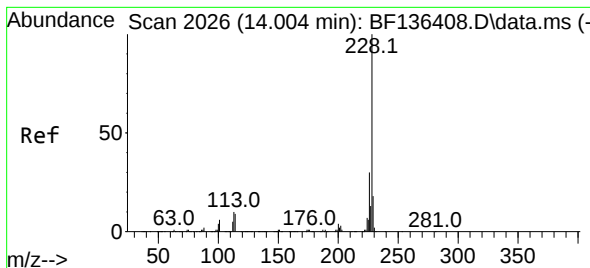
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#81
 Benzo(a)anthracene
 Concen: 2.520 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136561.D
 Acq: 14 Dec 2023 03:38

Tgt Ion:228 Resp: 26109
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.8 32.8
 229 21.7 15.0 22.4





#83

Chrysene

Concen: 2.254 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

Instrument :

BNA_F

ClientSampleId :

TUDOR

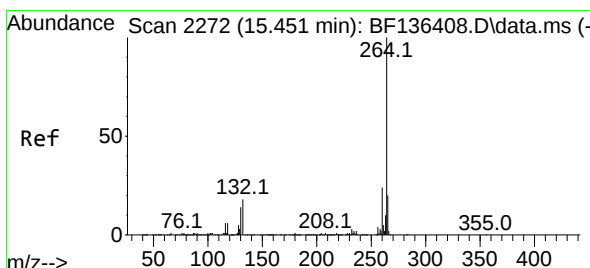
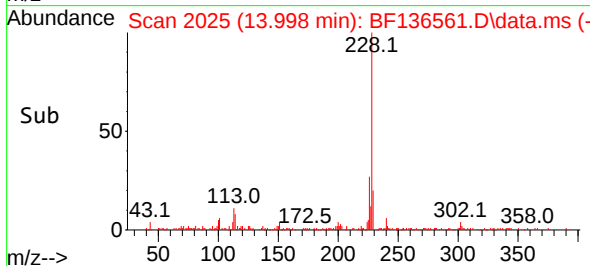
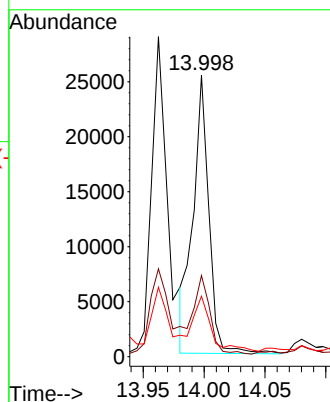
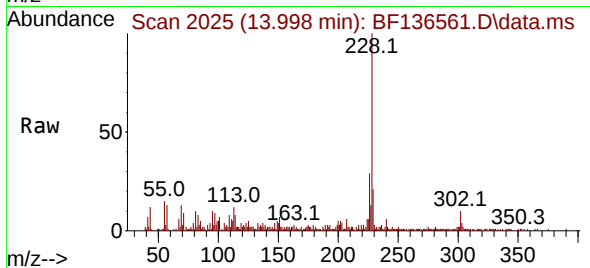
Tgt Ion:228	Resp:	22974
Ion Ratio	Lower	Upper
228	100	
226	28.8	23.8 35.6
229	21.5	14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#86

Perylene-d12

Concen: 20.000 ng

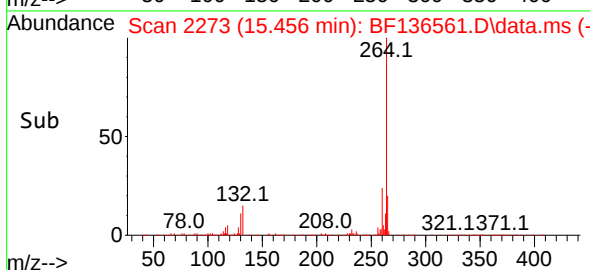
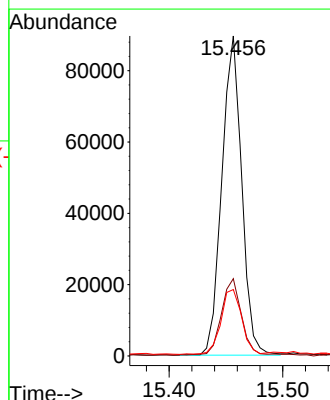
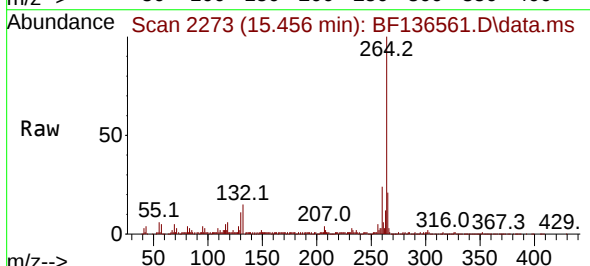
RT: 15.456 min Scan# 2273

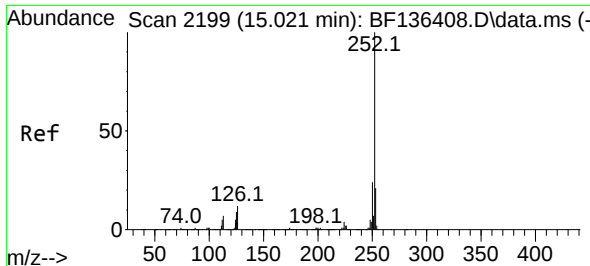
Delta R.T. 0.006 min

Lab File: BF136561.D

Acq: 14 Dec 2023 03:38

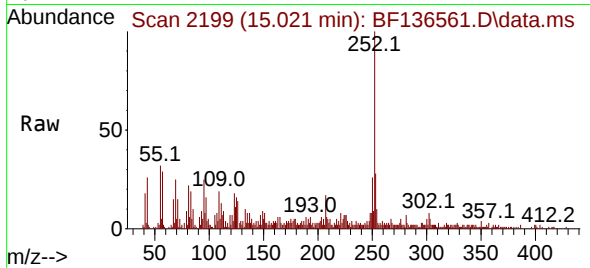
Tgt Ion:264	Resp:	108834
Ion Ratio	Lower	Upper
264	100	
260	24.2	19.2 28.8
265	20.7	15.9 23.9





#88
Benzo(b)fluoranthene
Concen: 3.444 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

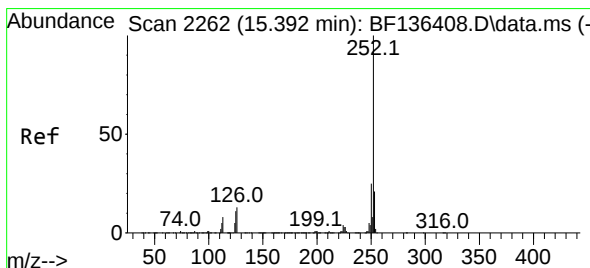
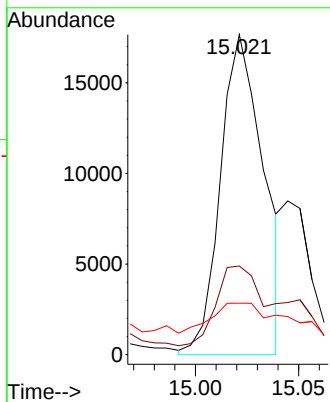
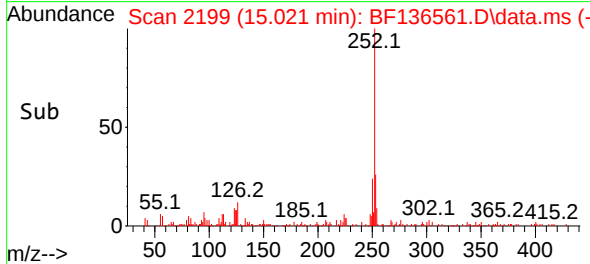
Instrument :
BNA_F
ClientSampleId :
TUDOR



Tgt Ion:252 Resp: 25630
Ion Ratio Lower Upper
252 100
253 27.7 16.9 25.3
125 16.1 7.4 11.2

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 2.614 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF136561.D
Acq: 14 Dec 2023 03:38

Tgt Ion:252 Resp: 16063
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 20.2 8.6 13.0

