

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136133.D
 Acq On : 03 Nov 2023 19:40
 Operator : CG\JU
 Sample : 05141-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2023
 Supervised By :mohammad ahmed 11/04/2023

Quant Time: Nov 04 00:11:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	106077	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	399792	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	196007	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	316609	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	224041	20.000	ng	-0.01
86) Perylene-d12	15.492	264	284033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	544673	80.687	ng	0.00
7) Phenol-d6	6.451	99	673679	80.098	ng	0.00
23) Nitrobenzene-d5	7.381	82	418716	63.136	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	171872	82.152	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	804269	65.410	ng	0.00
79) Terphenyl-d14	12.945	244	741818	51.455	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	81063	5.085	ng	98
75) Fluoranthene	12.563	202	98500	6.015	ng	98
78) Pyrene	12.792	202	104117	5.271	ng	98
81) Benzo(a)anthracene	13.992	228	54344	3.664	ng	99
83) Chrysene	14.027	228	52632	3.603	ng	99
88) Benzo(b)fluoranthene	15.051	252	73253m	4.359	ng	
90) Benzo(a)pyrene	15.421	252	49379	3.162	ng	97
92) Benzo(g,h,i)perylene	17.445	276	27926	4.411	ng	95

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

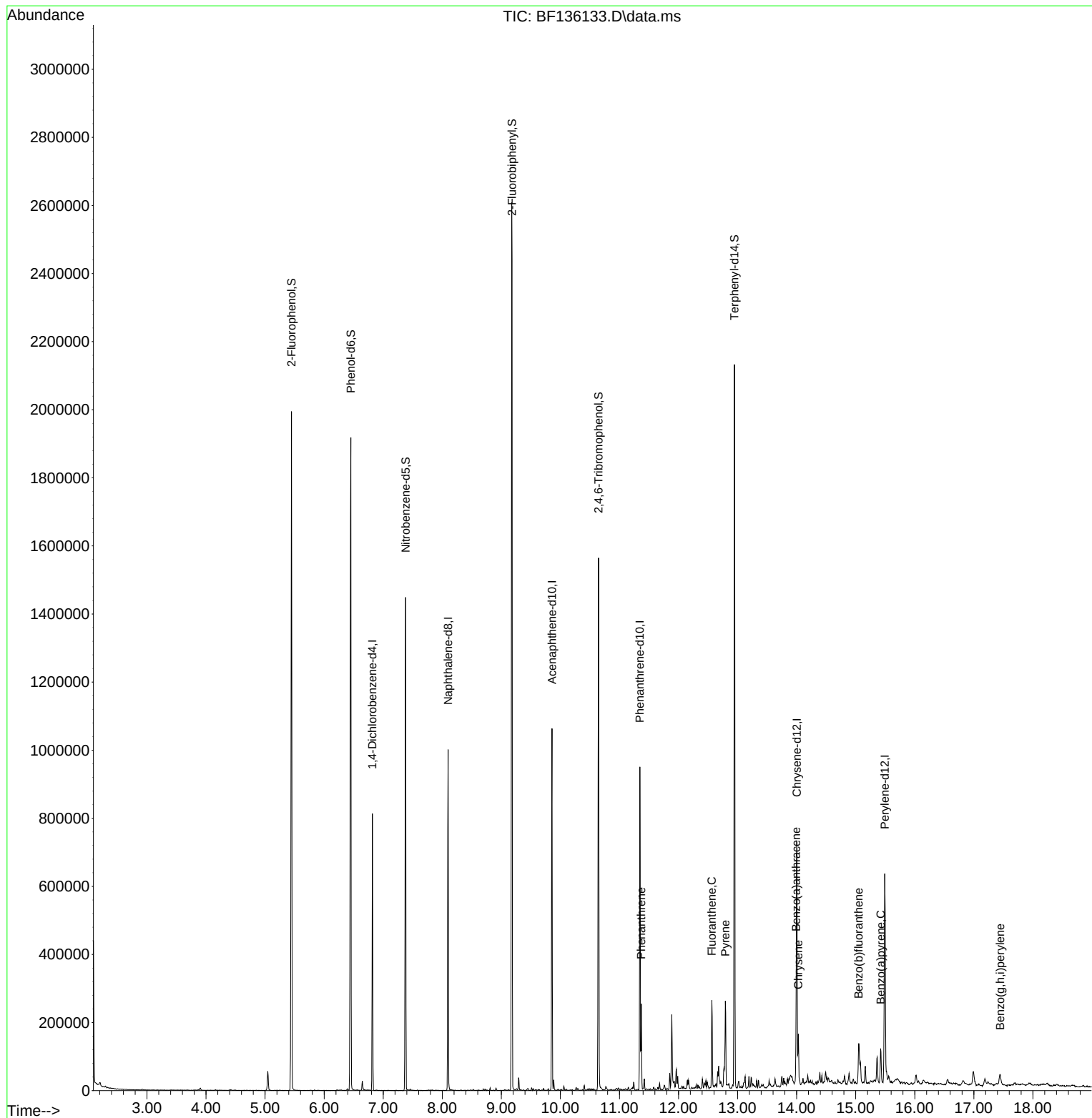
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
Data File : BF136133.D
Acq On : 03 Nov 2023 19:40
Operator : CG\JU
Sample : 05141-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

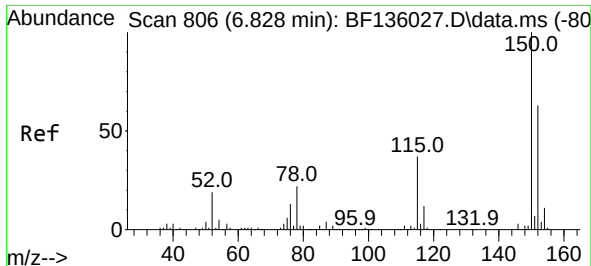
Instrument :
BNA_F
ClientSampleId :
PE-2

Quant Time: Nov 04 00:11:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 01:13:02 2023
Response via : Initial Calibration

Manual Integrations
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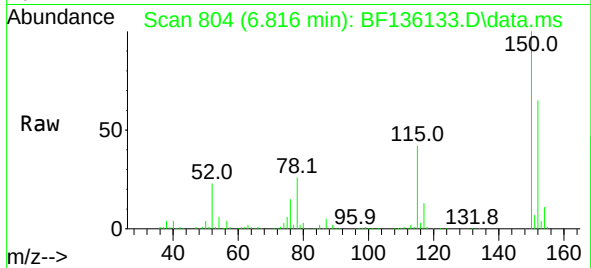
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

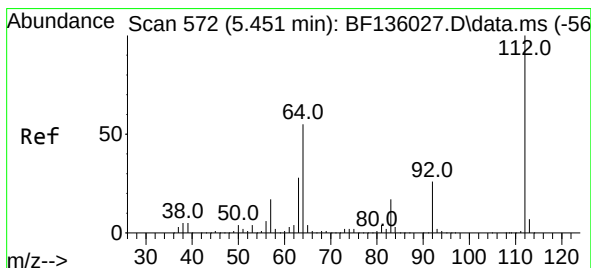
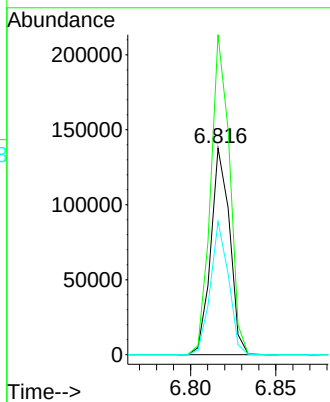
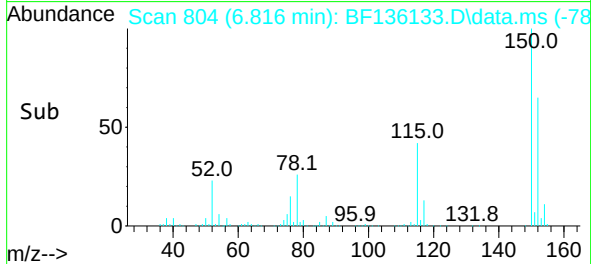
Instrument :
BNA_F
ClientSampleId :
PE-2



Tgt Ion:152 Resp: 106072
Ion Ratio Lower Upper
152 100
150 155.0 126.4 189.6
115 64.5 47.0 70.4

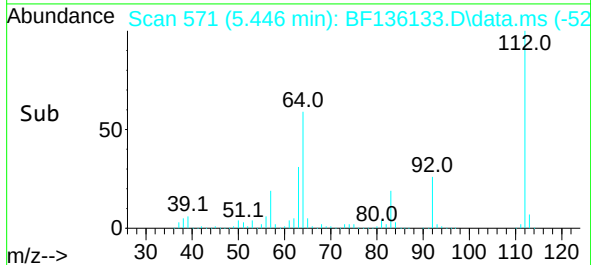
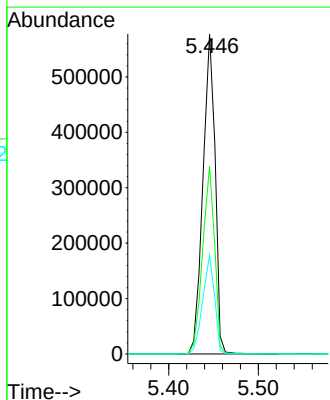
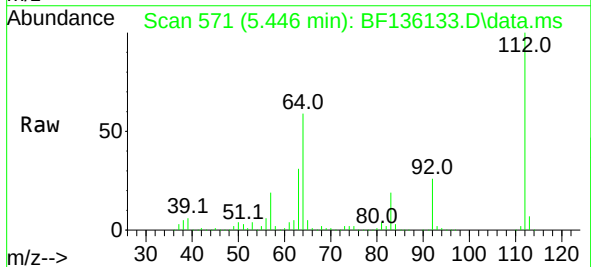
Manual Integrations
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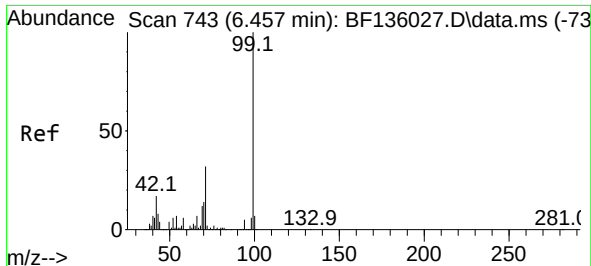
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#5
2-Fluorophenol
Concen: 80.687 ng
RT: 5.446 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

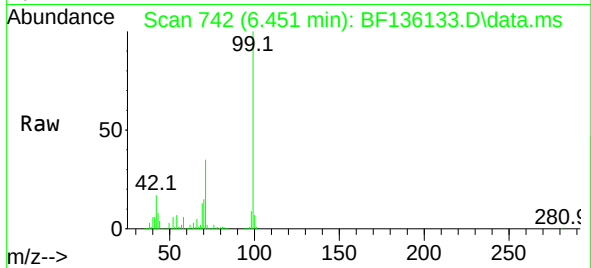
Tgt Ion:112 Resp: 544673
Ion Ratio Lower Upper
112 100
64 58.6 43.9 65.9
63 30.9 22.4 33.6





#7
Phenol-d6
Concen: 80.098 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

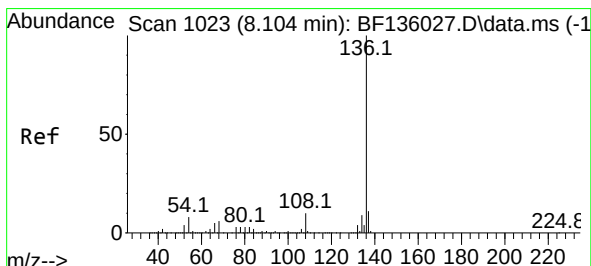
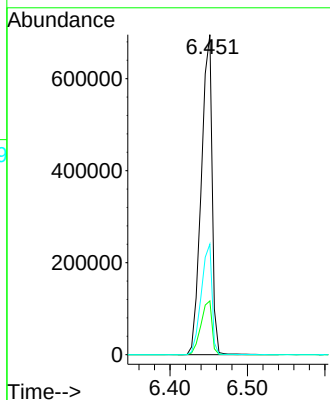
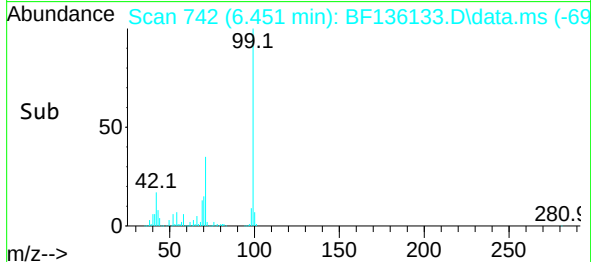
Instrument :
BNA_F
ClientSampleId :
PE-2



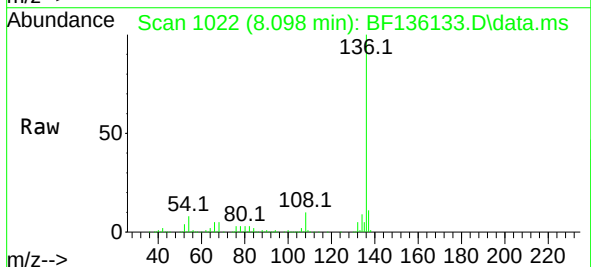
Tgt Ion: 99 Resp: 673679
Ion Ratio Lower Upper
99 100
42 16.8 13.7 20.5
71 34.5 25.9 38.9

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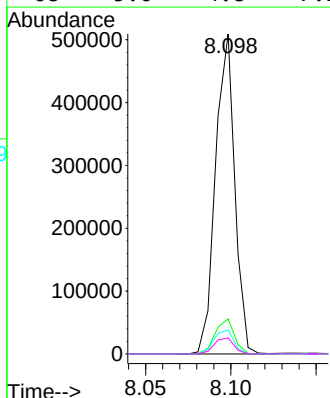
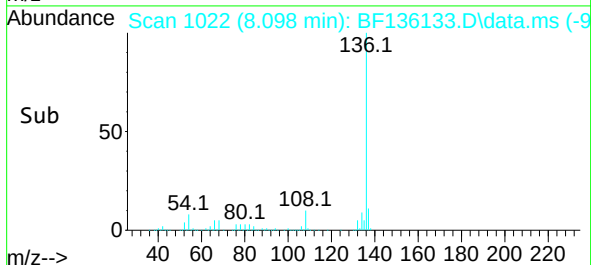
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

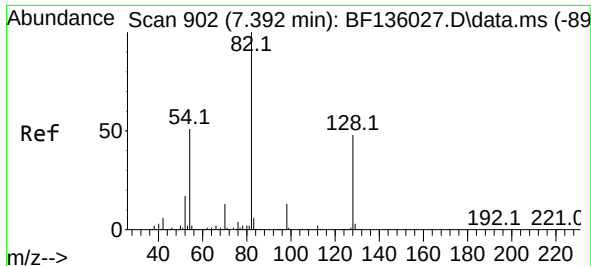


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40



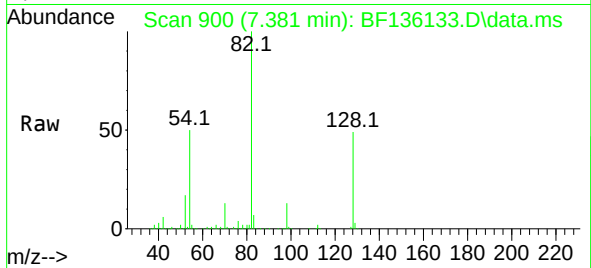
Tgt Ion:136 Resp: 399792
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.5 6.6 9.8
68 5.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 63.136 ng
RT: 7.381 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

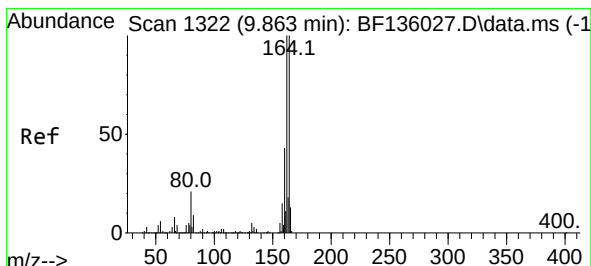
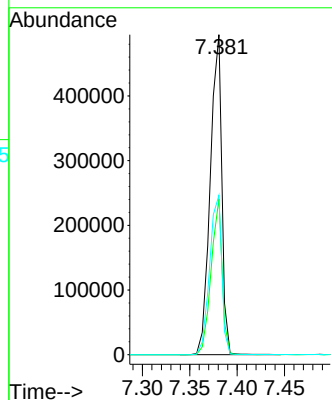
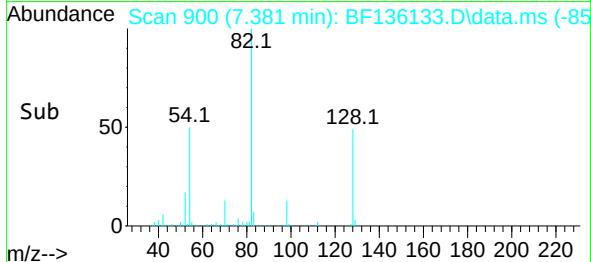
Instrument :
BNA_F
ClientSampleId :
PE-2



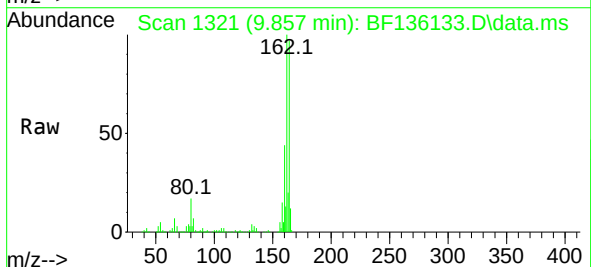
Tgt Ion: 82 Resp: 418710
Ion Ratio Lower Upper
82 100
128 48.7 38.6 57.8
54 49.8 40.8 61.2

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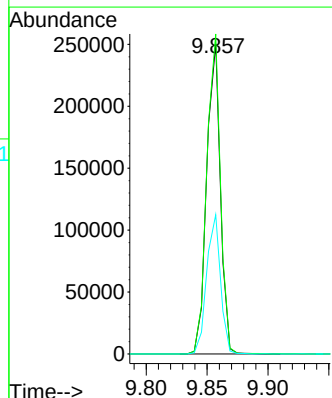
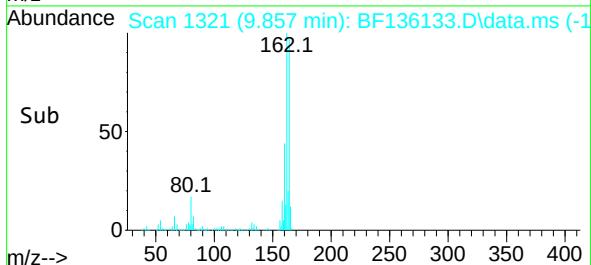
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

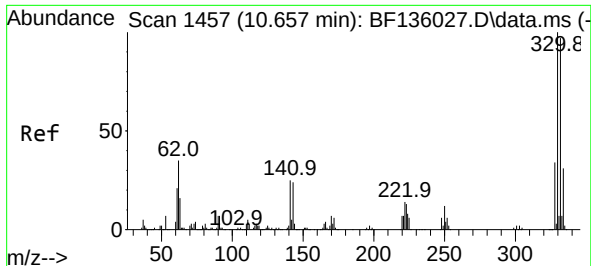


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40



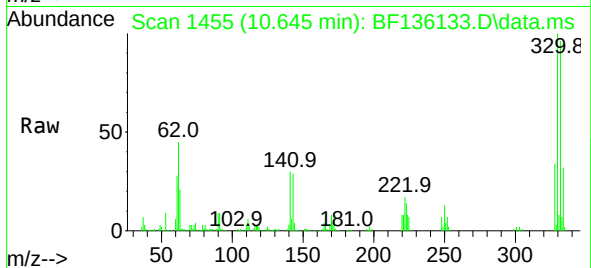
Tgt Ion:164 Resp: 196007
Ion Ratio Lower Upper
164 100
162 103.2 80.1 120.1
160 44.9 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 82.152 ng
RT: 10.645 min Scan# 1457
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

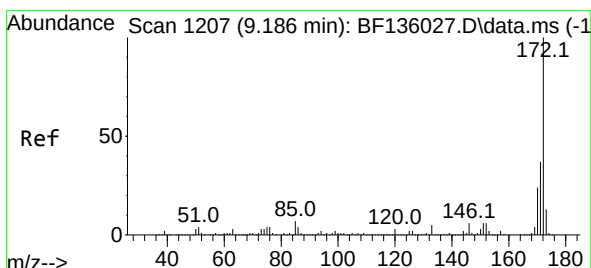
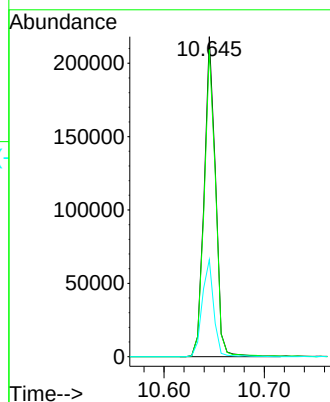
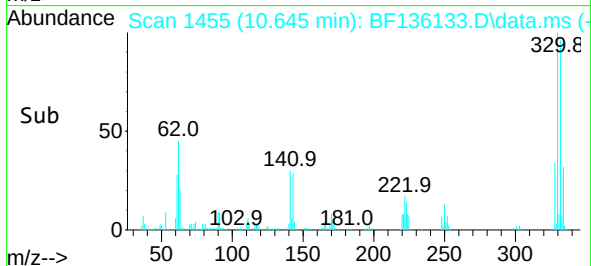
Instrument :
BNA_F
ClientSampleId :
PE-2



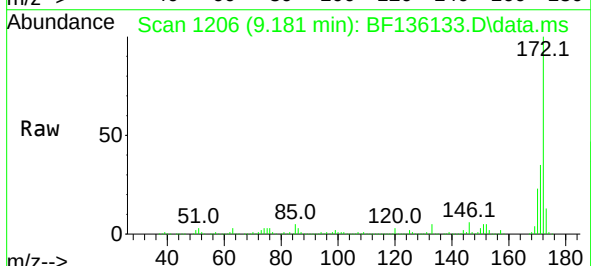
Tgt Ion: 330 Resp: 171872
Ion Ratio Lower Upper
330 100
332 96.4 76.9 115.3
141 31.1 23.2 34.8

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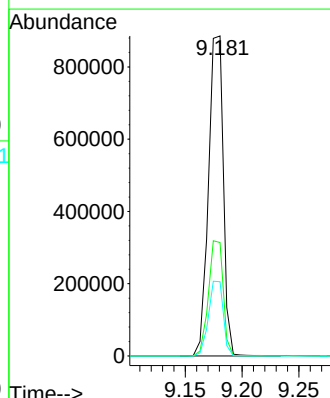
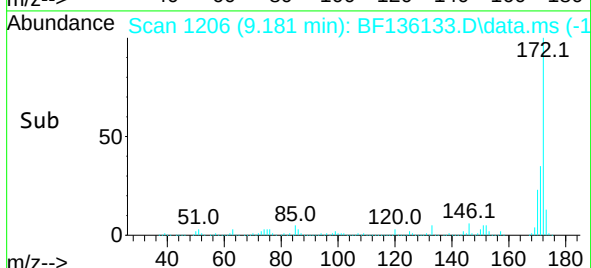
Reviewed By : Yogesh Patel 11/04/2023
Supervised By : mohammad ahmed 11/04/2023

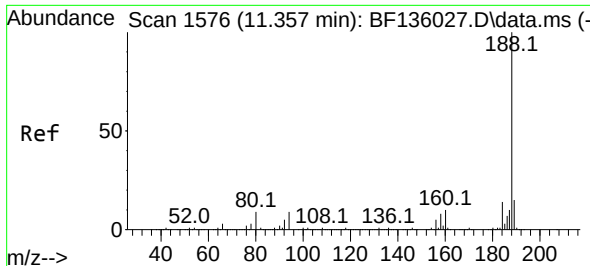


#45
2-Fluorobiphenyl
Concen: 65.410 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40



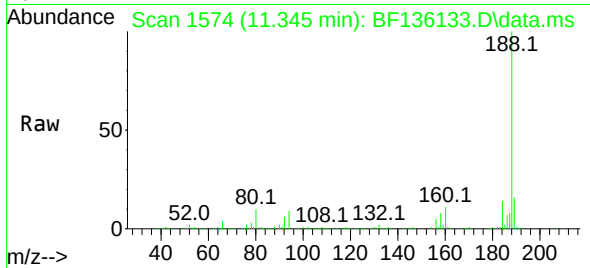
Tgt Ion: 172 Resp: 804269
Ion Ratio Lower Upper
172 100
171 35.4 29.4 44.0
170 23.2 19.3 28.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

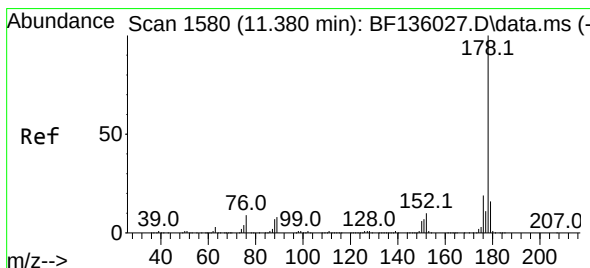
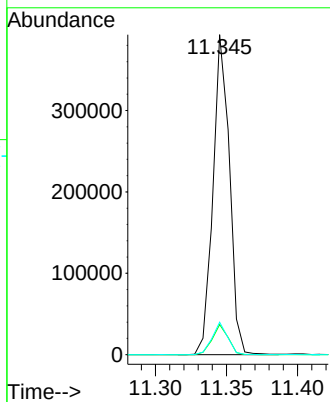
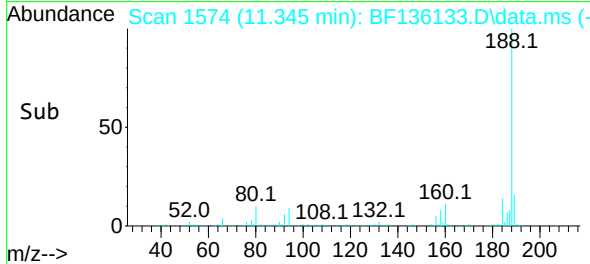
Instrument :
BNA_F
ClientSampleId :
PE-2



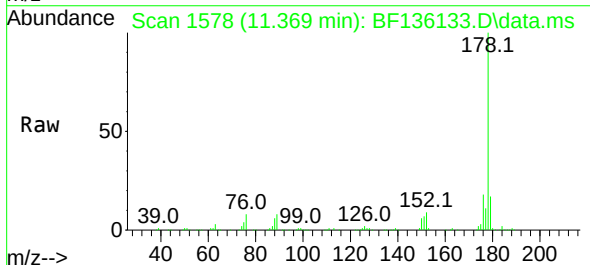
Tgt Ion:188 Resp: 316609
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 10.1 7.4 11.0

Manual Integrations
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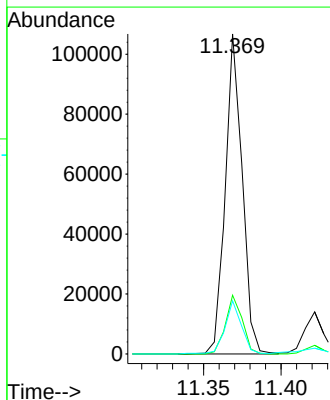
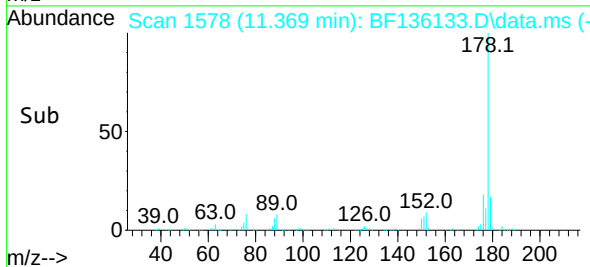
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

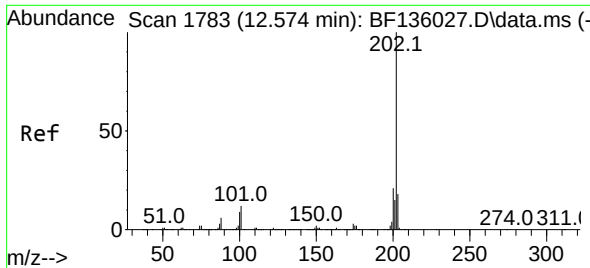


#71
Phenanthrene
Concen: 5.085 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40



Tgt Ion:178 Resp: 81063
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.6 12.9 19.3





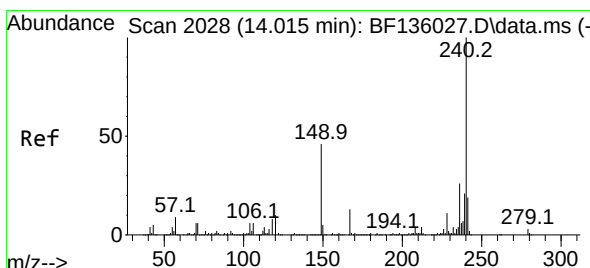
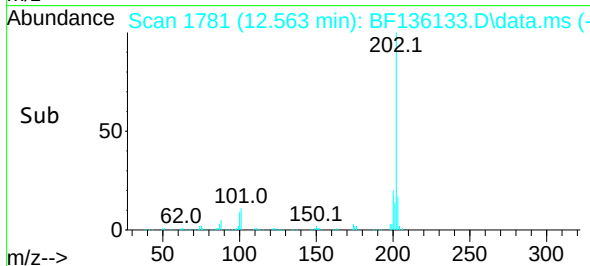
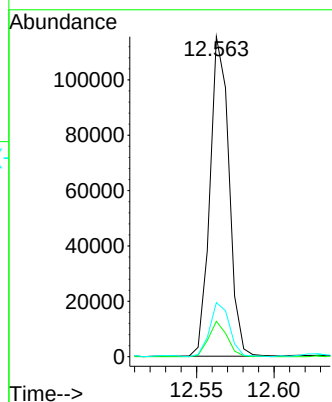
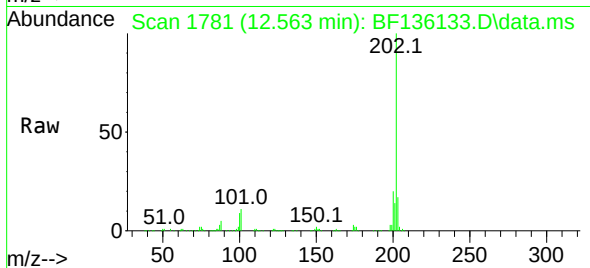
#75
Fluoranthene
Concen: 6.015 ng
RT: 12.563 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Instrument :
BNA_F
ClientSampleId :
PE-2

Tgt Ion:202 Resp: 98500
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.8
203 16.9 0.0 37.9

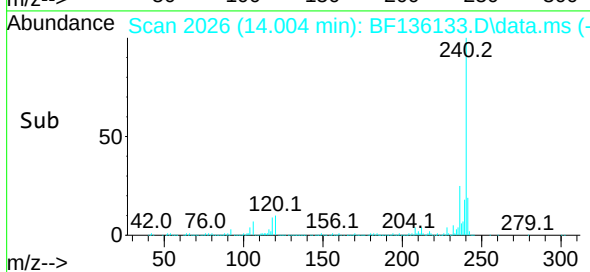
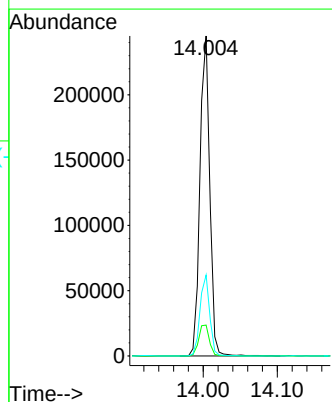
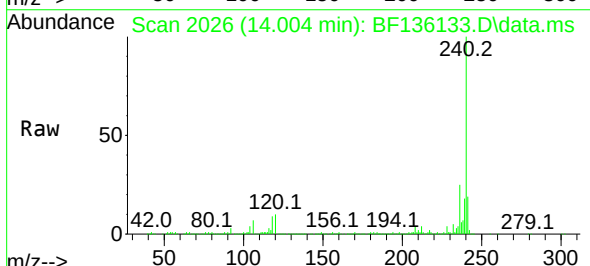
Manual Integrations
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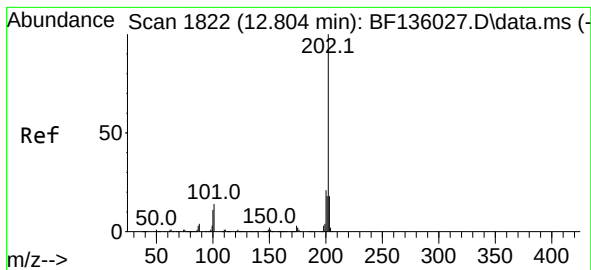
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

Tgt Ion:240 Resp: 224041
Ion Ratio Lower Upper
240 100
120 9.7 7.6 11.4
236 25.3 20.6 31.0





#78

Pyrene

Concen: 5.271 ng

RT: 12.792 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Instrument :

BNA_F

ClientSampleId :

PE-2

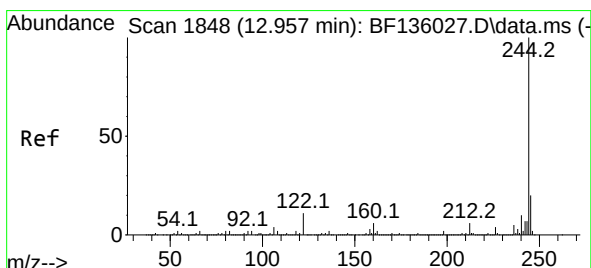
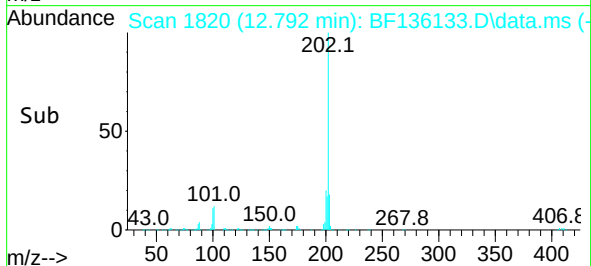
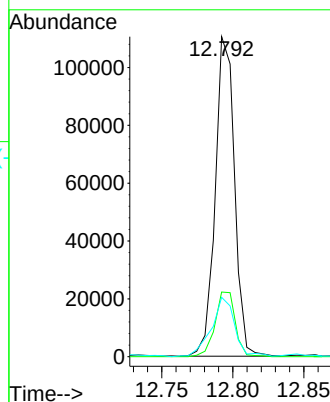
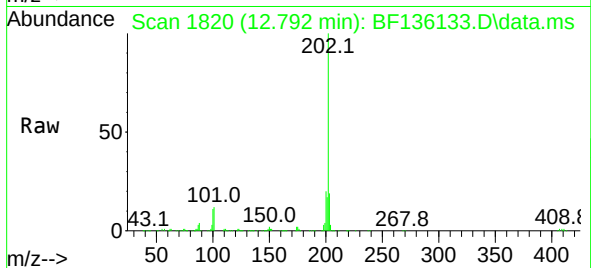
Tgt Ion:202	Resp: 10411
Ion Ratio	Lower Upper
202 100	
200 20.2	17.0 25.4
203 18.6	14.4 21.6

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#79

Terphenyl-d14

Concen: 51.455 ng

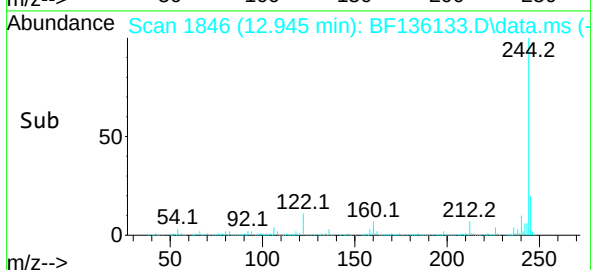
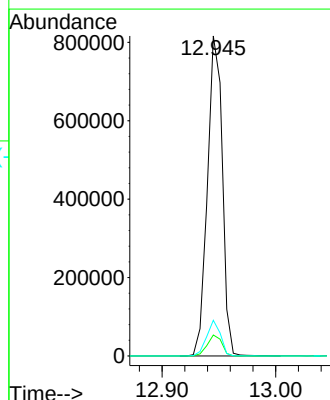
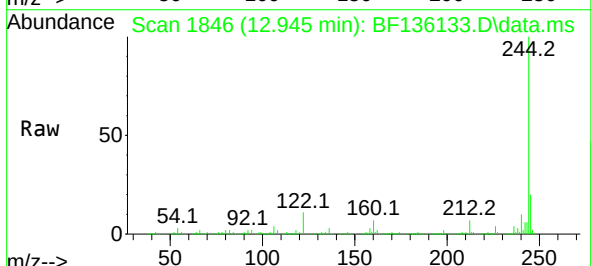
RT: 12.945 min Scan# 1846

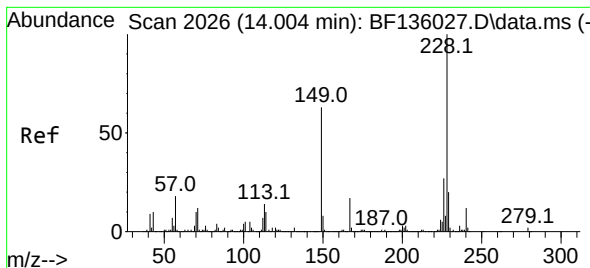
Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Tgt Ion:244	Resp: 741818
Ion Ratio	Lower Upper
244 100	
212 6.6	5.1 7.7
122 11.2	8.6 12.8





#81

Benzo(a)anthracene

Concen: 3.664 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Instrument :

BNA_F

ClientSampleId :

PE-2

Tgt Ion:228 Resp: 5434

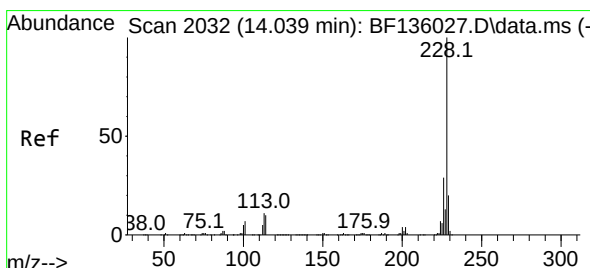
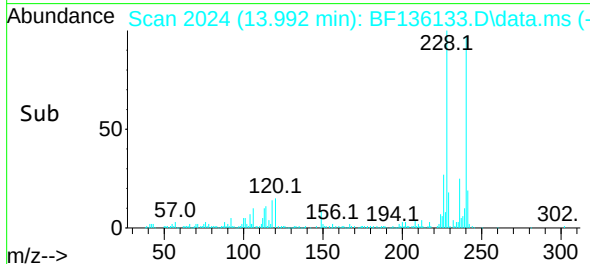
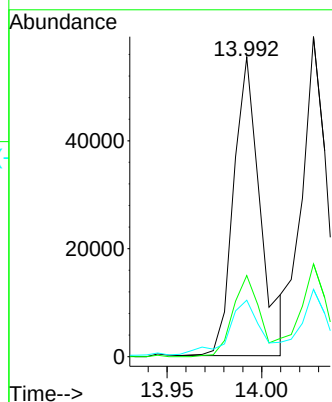
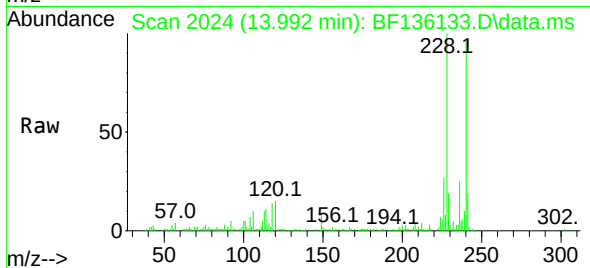
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.5	32.3
229	18.8	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#83

Chrysene

Concen: 3.603 ng

RT: 14.027 min Scan# 2030

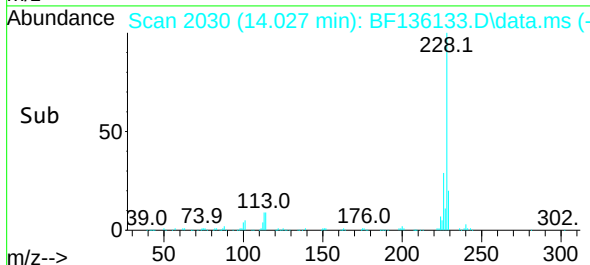
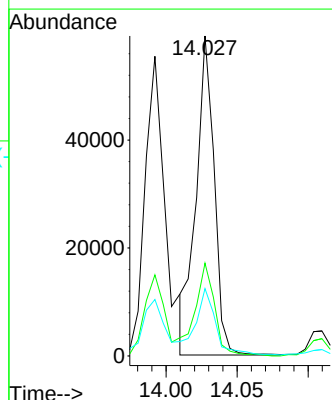
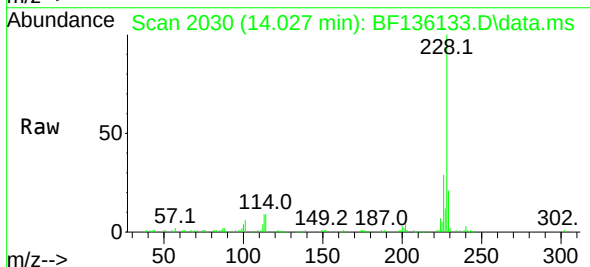
Delta R.T. -0.012 min

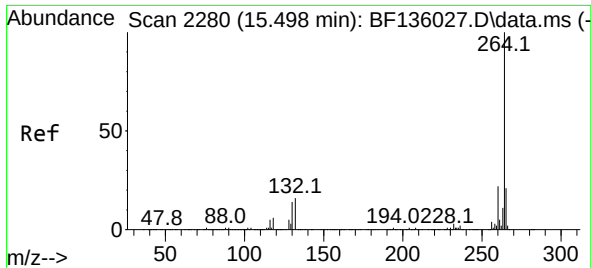
Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Tgt Ion:228 Resp: 52632

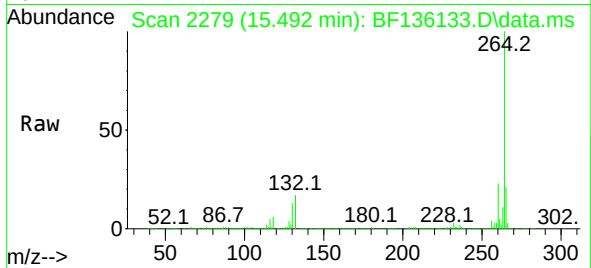
Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.5	35.3
229	21.0	16.0	24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40

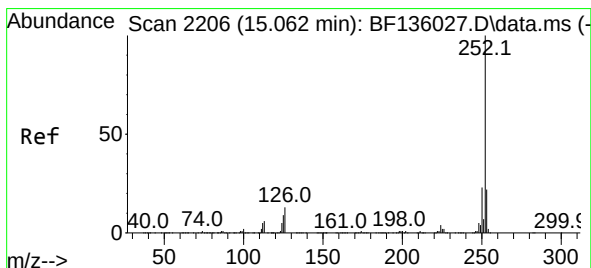
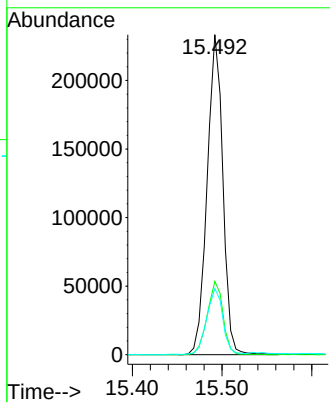
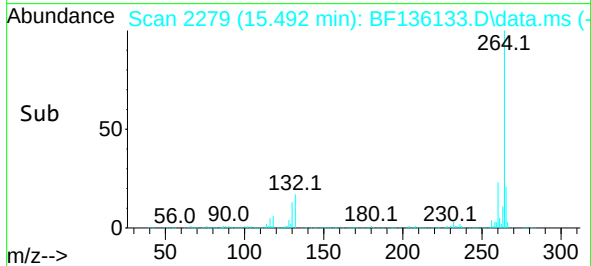
Instrument :
BNA_F
ClientSampleId :
PE-2



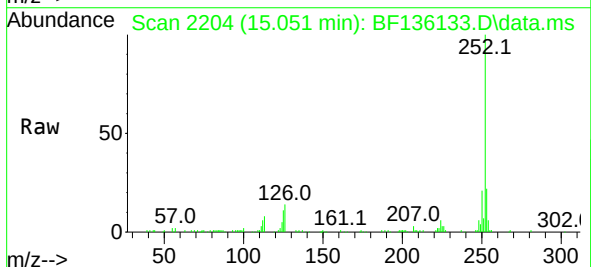
Tgt Ion:264 Resp: 28403
Ion Ratio Lower Upper
264 100
260 22.9 17.9 26.9
265 20.7 16.8 25.2

Manual Integrations
APPROVED

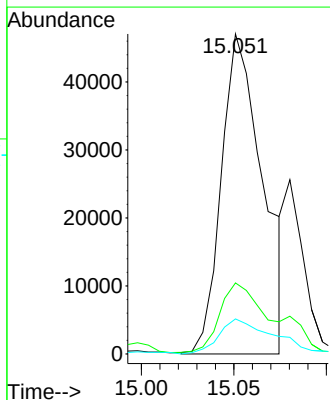
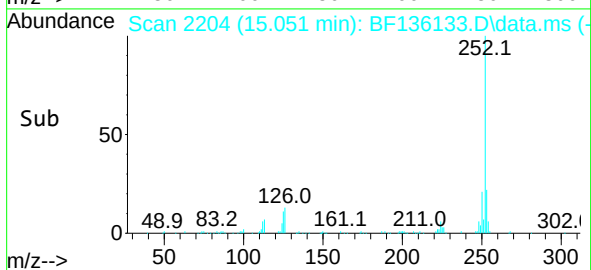
Reviewed By :Yogesh Patel 11/04/2023
Supervised By :mohammad ahmed 11/04/2023

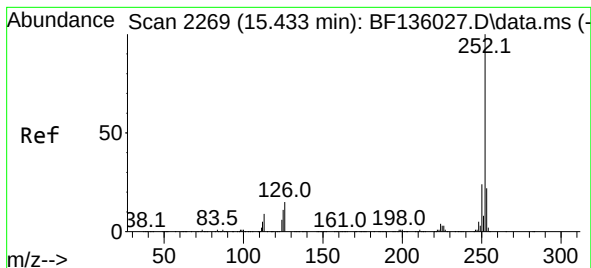


#88
Benzo(b)fluoranthene
Concen: 4.359 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF136133.D
Acq: 03 Nov 2023 19:40



Tgt Ion:252 Resp: 73253
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 10.9 7.5 11.3





#90

Benzo(a)pyrene

Concen: 3.162 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Instrument :

BNA_F

ClientSampleId :

PE-2

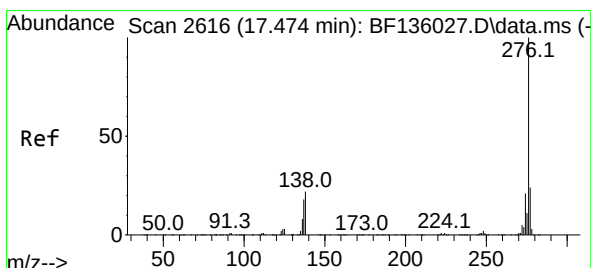
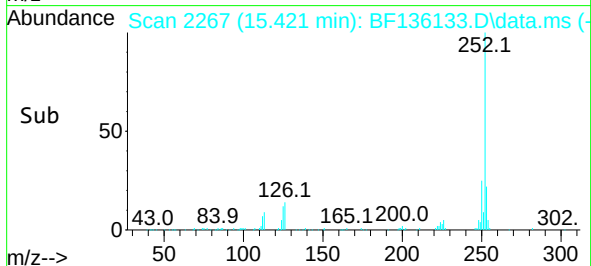
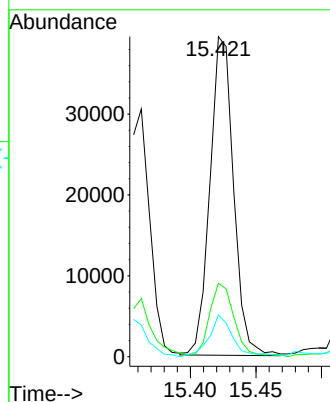
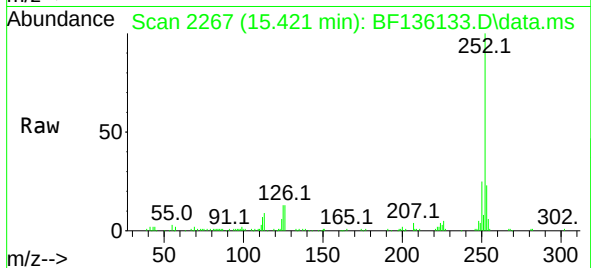
Tgt Ion:	252	Resp:	49379
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.3	25.9
125	13.1	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2023

Supervised By :mohammad ahmed 11/04/2023



#92

Benzo(g,h,i)perylene

Concen: 4.411 ng

RT: 17.445 min Scan# 2611

Delta R.T. -0.029 min

Lab File: BF136133.D

Acq: 03 Nov 2023 19:40

Tgt Ion:	276	Resp:	27926
Ion Ratio	Lower	Upper	
276	100		
277	19.9	19.0	28.4
138	22.5	17.4	26.2

