

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
 Data File : BF137020.D
 Acq On : 10 Jan 2024 15:15
 Operator : CG\JU
 Sample : P1085-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/11/2024
 Supervised By :mohammad ahmed 01/12/2024

Quant Time: Jan 10 15:47:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	49325	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	176447	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	77929	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	133410	20.000	ng	0.00
76) Chrysene-d12	13.968	240	119993	20.000	ng	0.00
86) Perylene-d12	15.462	264	141784	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	278197	88.001	ng	0.00
7) Phenol-d6	6.434	99	326280	79.653	ng	0.00
23) Nitrobenzene-d5	7.345	82	198079	57.445	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	74010	80.640	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	377049	65.075	ng	-0.02
79) Terphenyl-d14	12.904	244	356480	41.517	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	25583	3.737	ng	99
75) Fluoranthene	12.533	202	53235	7.270	ng	96
78) Pyrene	12.763	202	56068	4.760	ng	99
81) Benzo(a)anthracene	13.962	228	32368m	3.885	ng	
83) Chrysene	13.998	228	31211	3.831	ng	96
87) Indeno(1,2,3-cd)pyrene	16.980	276	22708	2.218	ng	93
88) Benzo(b)fluoranthene	15.021	252	48242m	5.094	ng	
89) Benzo(k)fluoranthene	15.051	252	18267m	2.041	ng	
90) Benzo(a)pyrene	15.398	252	39558	4.949	ng	97
92) Benzo(g,h,i)perylene	17.439	276	22760	2.646	ng	97

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

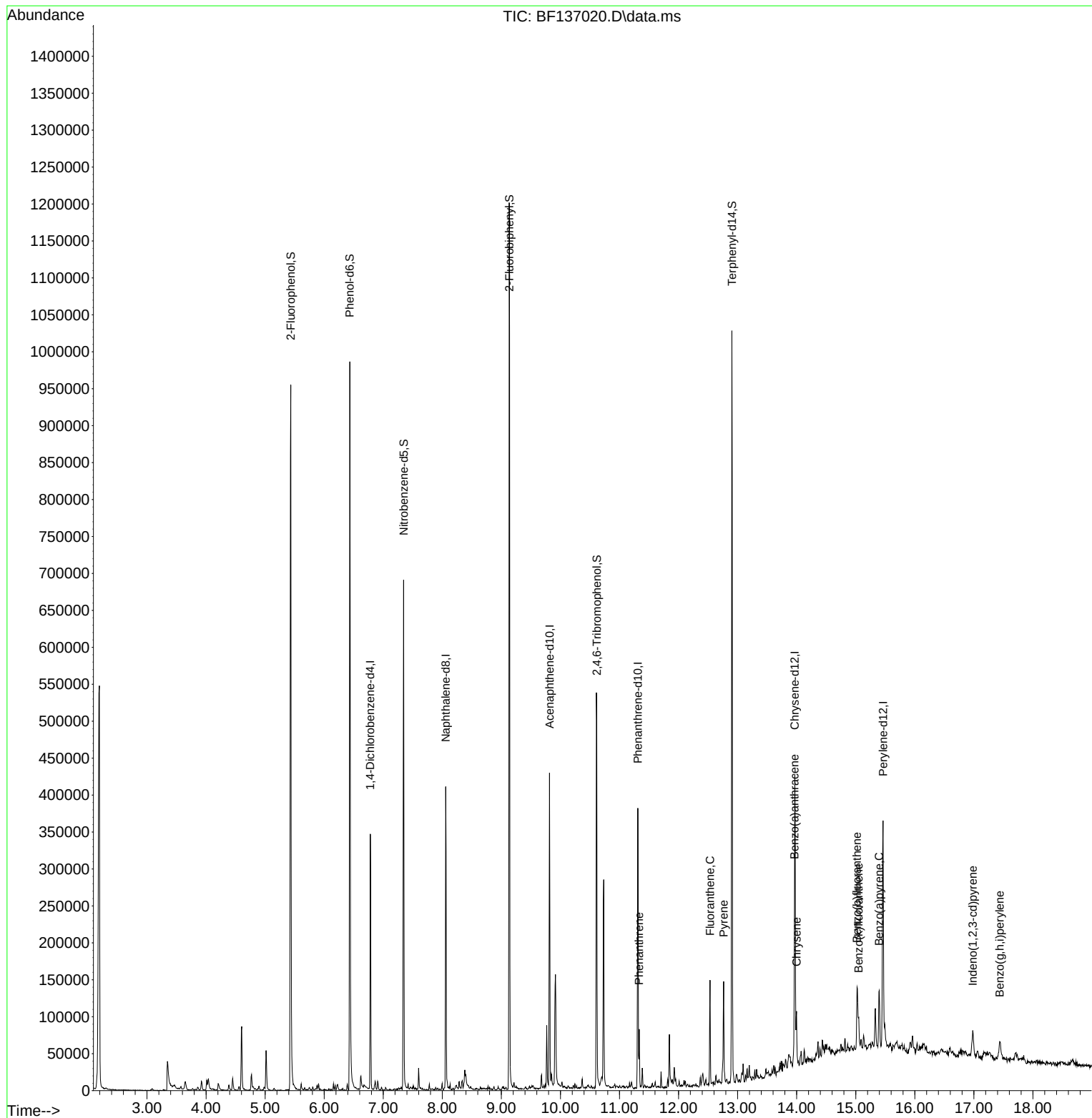
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011024\
Data File : BF137020.D
Acq On : 10 Jan 2024 15:15
Operator : CG\JU
Sample : P1085-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

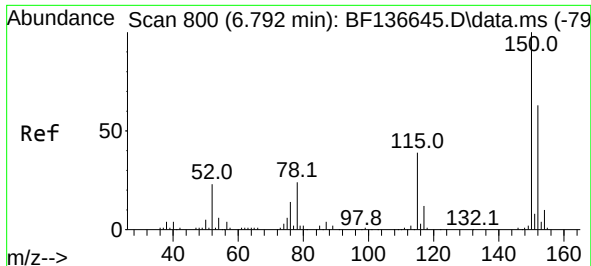
Instrument :
BNA_F
ClientSampleId :
TP-1

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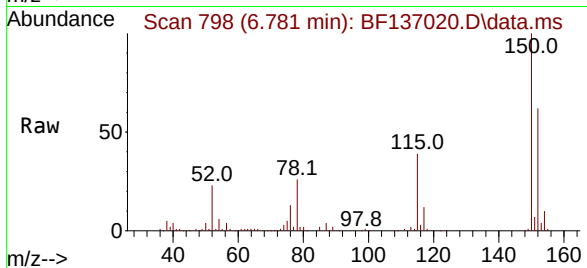
Quant Time: Jan 10 15:47:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.011 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

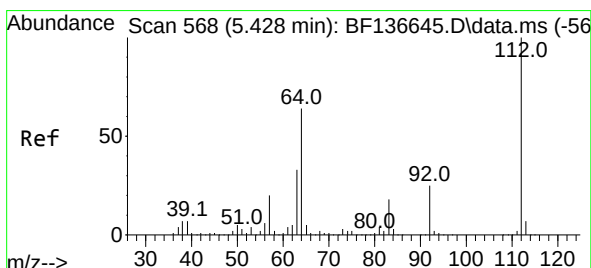
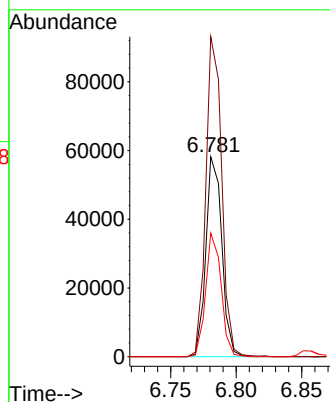
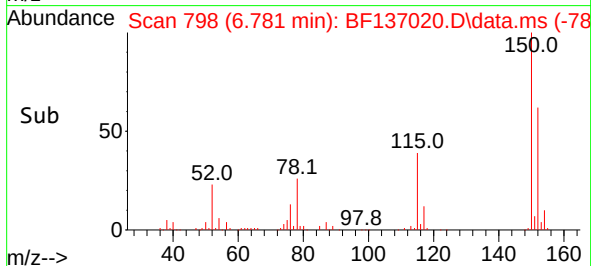
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 49325
Ion Ratio Lower Upper
152 100
150 160.1 127.0 190.6
115 61.9 49.0 73.4

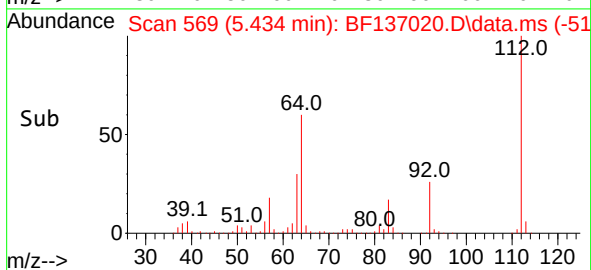
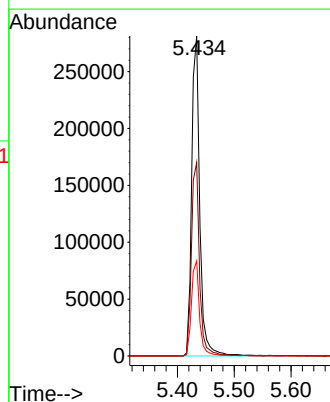
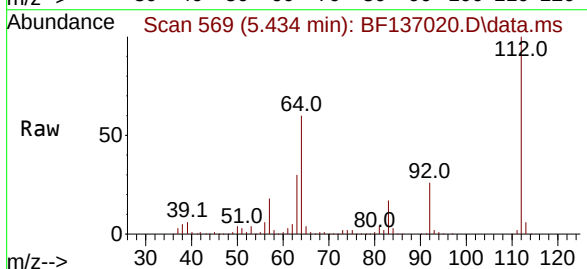
Manual Integrations
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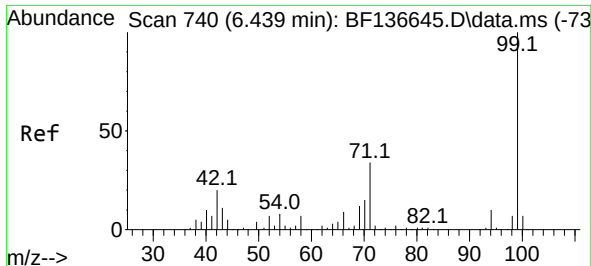
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#5
2-Fluorophenol
Concen: 88.001 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

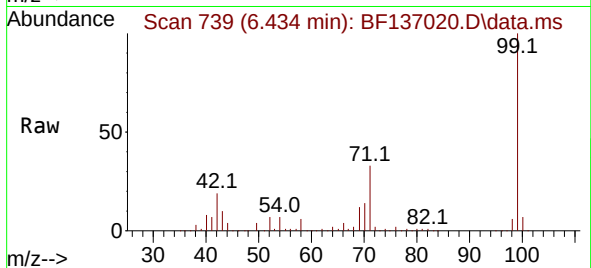
Tgt Ion:112 Resp: 278197
Ion Ratio Lower Upper
112 100
64 60.5 51.1 76.7
63 29.7 26.1 39.1





#7
Phenol-d6
Concen: 79.653 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

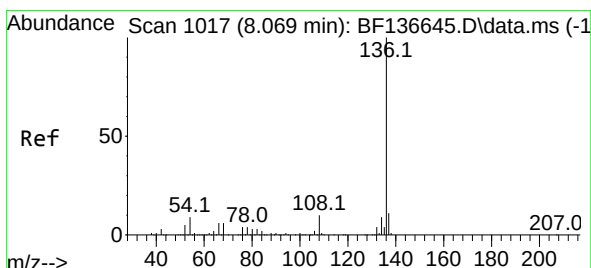
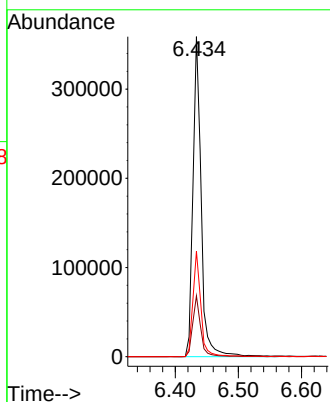
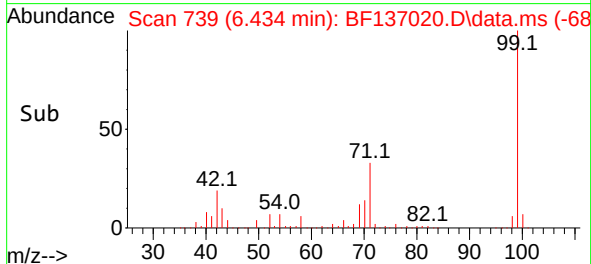
Instrument :
BNA_F
ClientSampleId :
TP-1



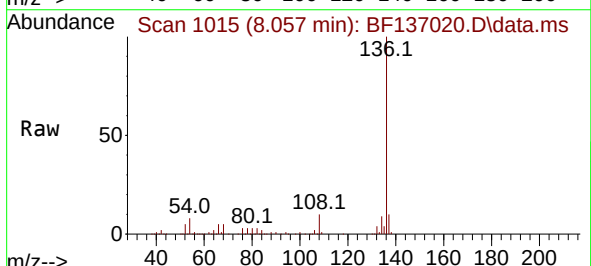
Tgt Ion: 99 Resp: 326280
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 33.0 27.4 41.2

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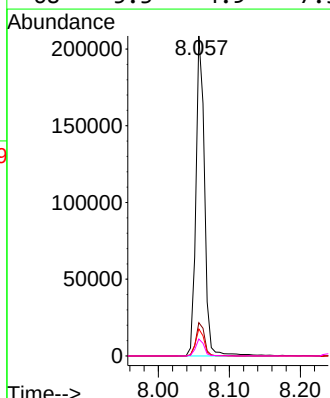
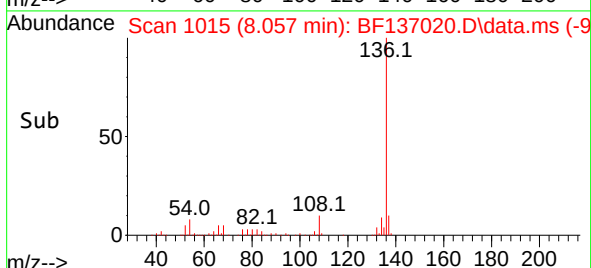
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024

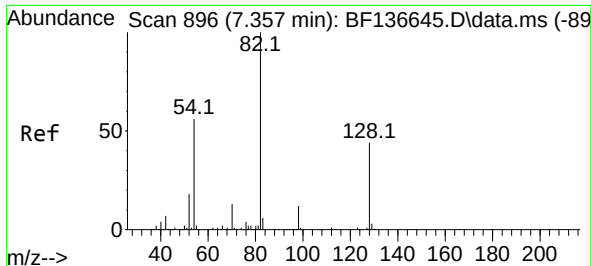


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15



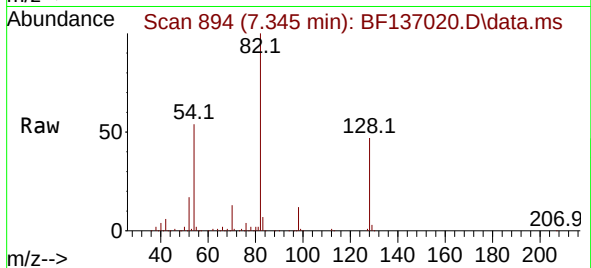
Tgt Ion:136 Resp: 176447
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 8.5 7.2 10.8
68 5.3 4.9 7.3





#23
Nitrobenzene-d5
Concen: 57.445 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

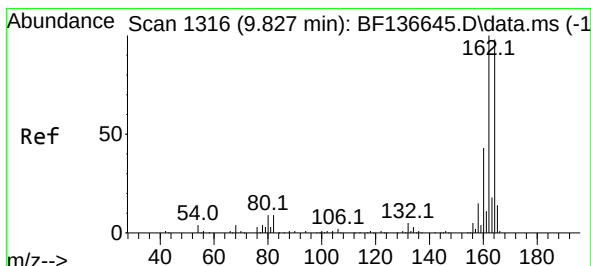
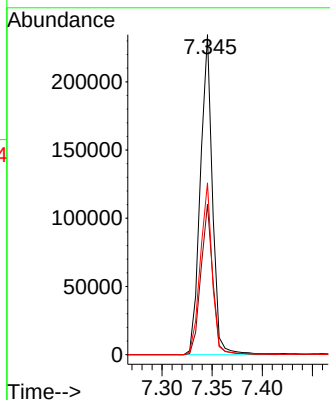
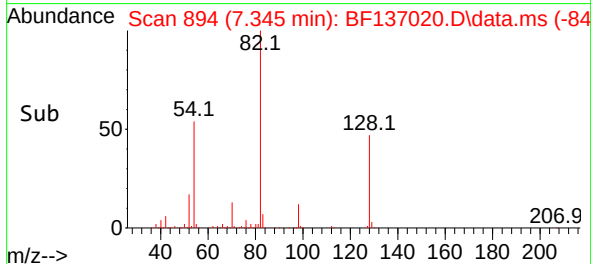
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion: 82 Resp: 198079
Ion Ratio Lower Upper
82 100
128 47.0 35.3 52.9
54 53.7 44.5 66.7

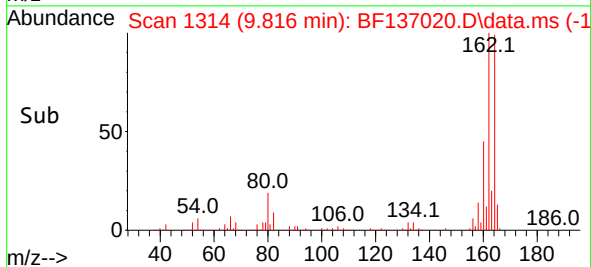
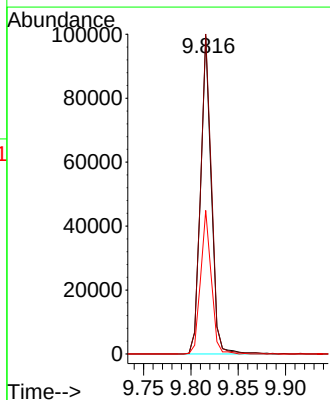
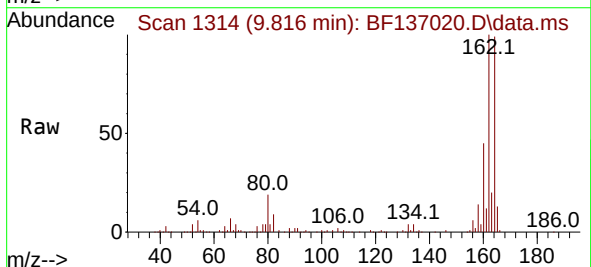
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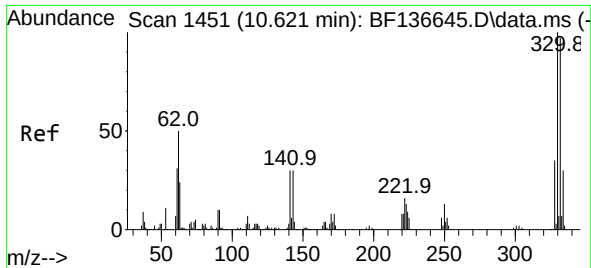
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:164 Resp: 77929
Ion Ratio Lower Upper
164 100
162 100.8 81.6 122.4
160 45.2 34.9 52.3





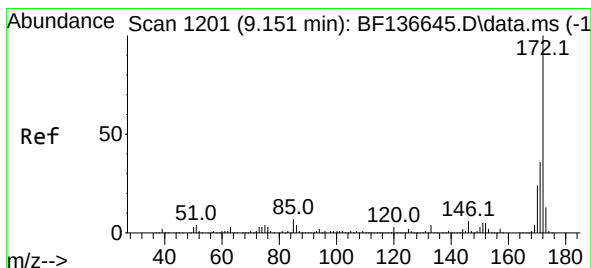
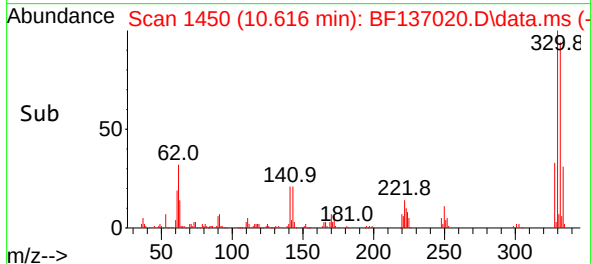
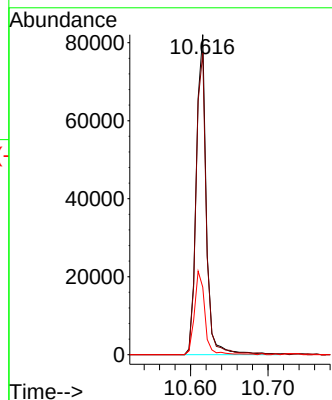
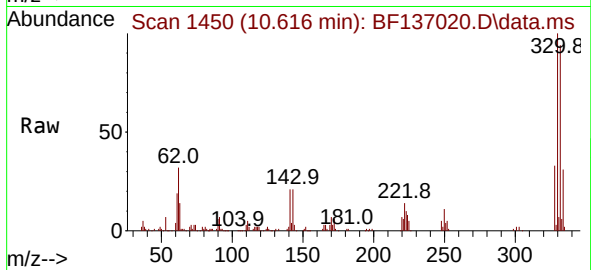
#42
2,4,6-Tribromophenol
Concen: 80.640 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:330 Resp: 74010
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 26.8 23.4 35.2

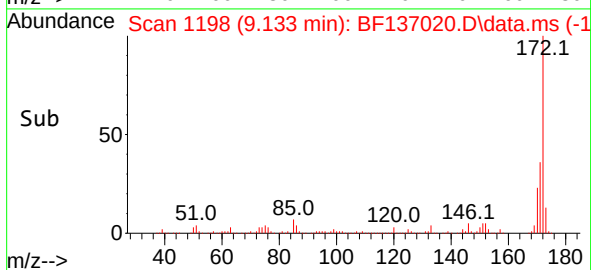
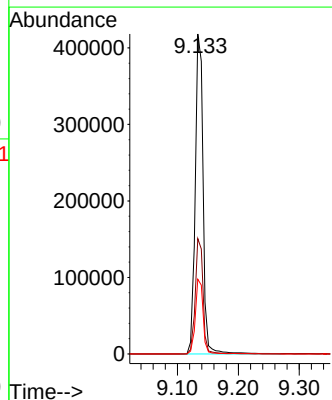
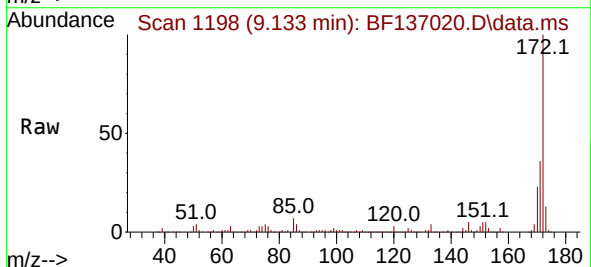
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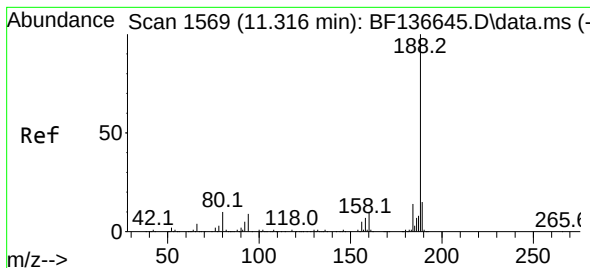
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#45
2-Fluorobiphenyl
Concen: 65.075 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:172 Resp: 377049
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.6
170 23.4 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:188 Resp: 133410

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

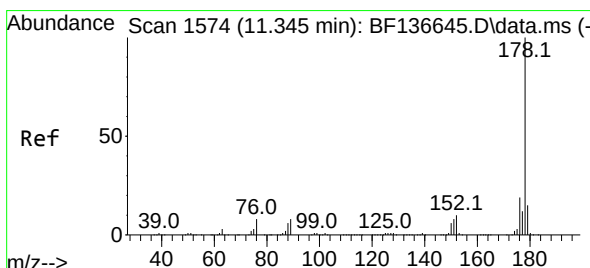
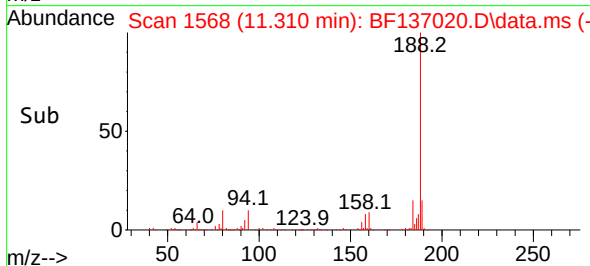
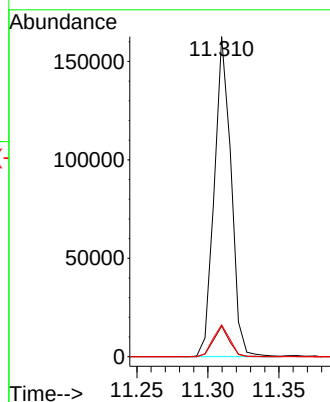
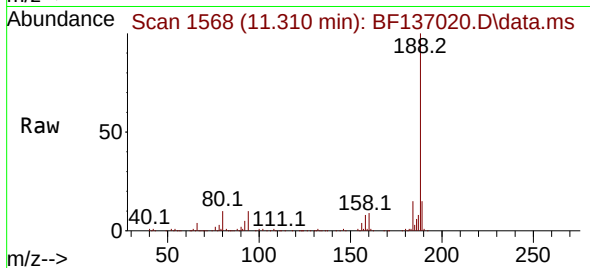
80 10.0 8.1 12.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#71

Phenanthrene

Concen: 3.737 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

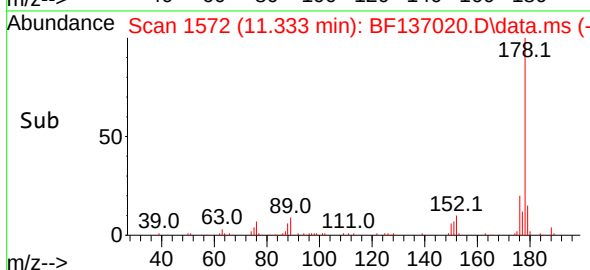
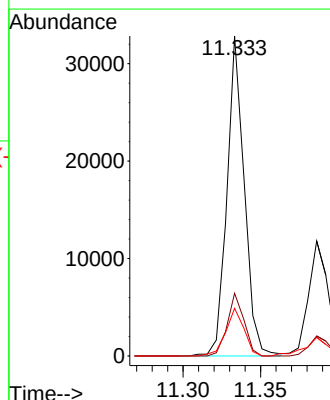
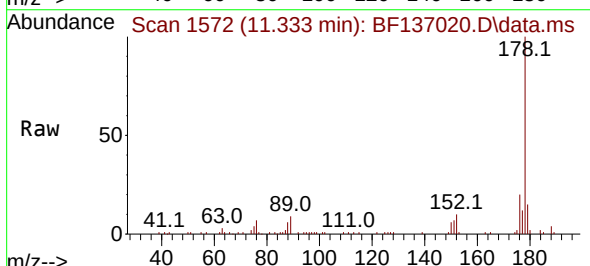
Tgt Ion:178 Resp: 25583

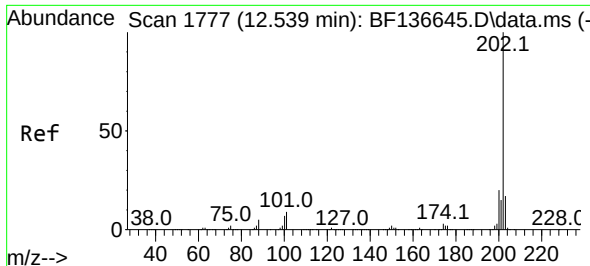
Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

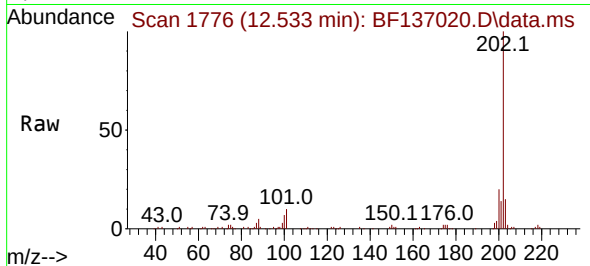
179 14.9 11.9 17.9





#75
Fluoranthene
Concen: 7.270 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

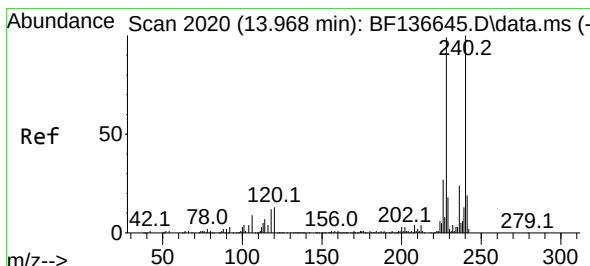
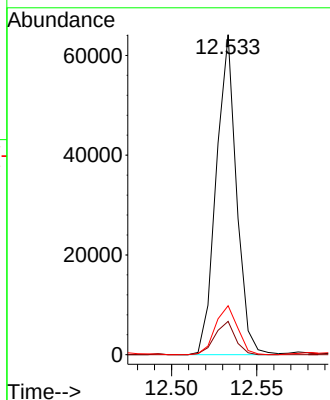
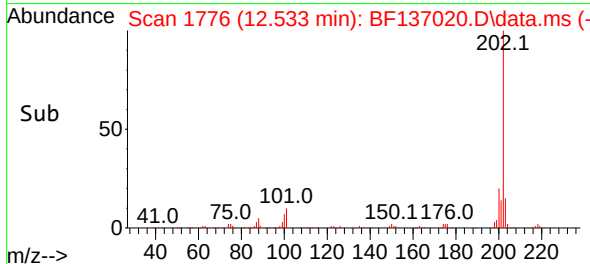
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 53235
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.3
203 15.3 0.0 37.1

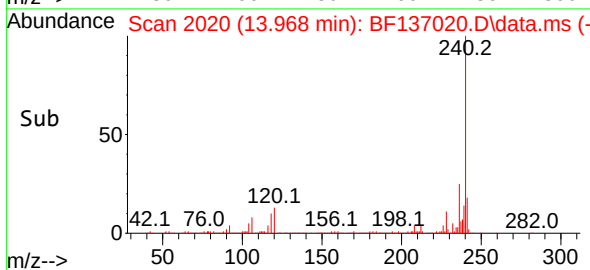
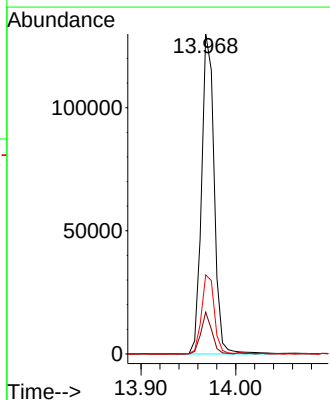
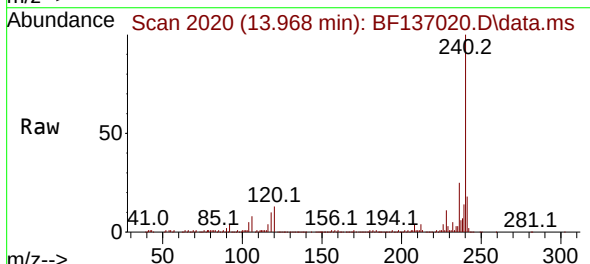
Manual Integrations
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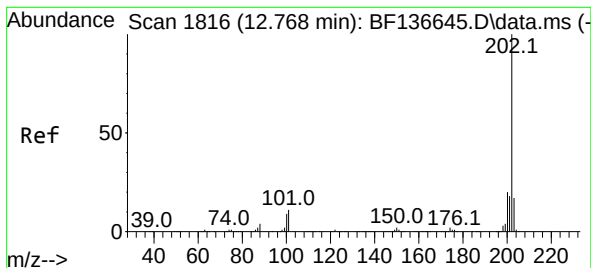
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:240 Resp: 119993
Ion Ratio Lower Upper
240 100
120 13.0 10.3 15.5
236 24.7 19.4 29.2





#78

Pyrene

Concen: 4.760 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

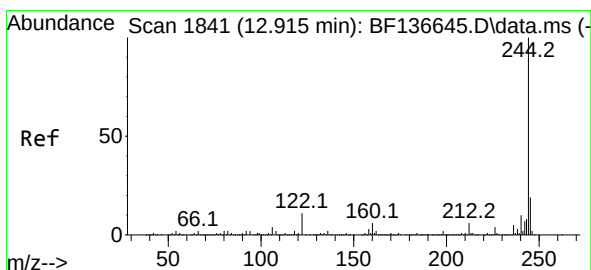
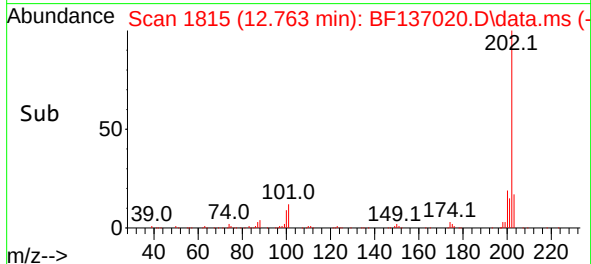
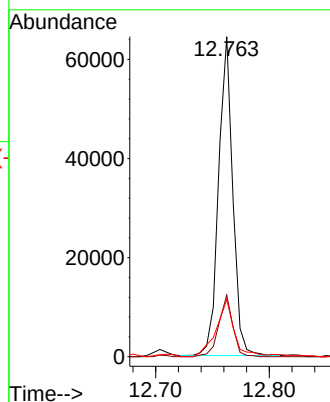
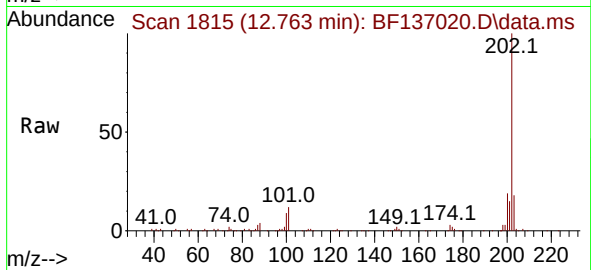
Tgt Ion:	202	Resp:	5606
Ion Ratio	Lower	Upper	
202	100		
200	19.3	15.9	23.9
203	17.9	13.8	20.6

Manual Integrations

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Supervised By :mohammad ahmed 01/12/2024



#79

Terphenyl-d14

Concen: 41.517 ng

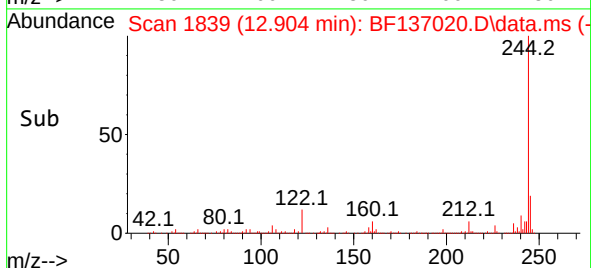
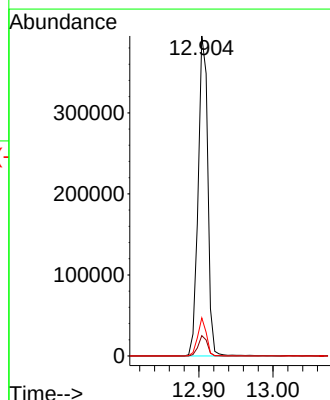
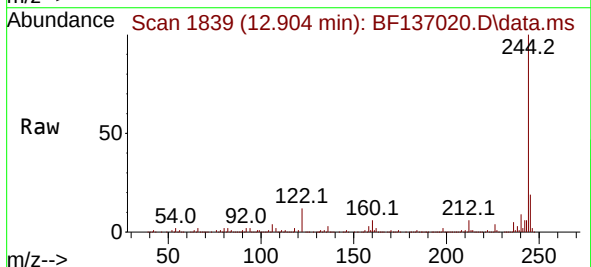
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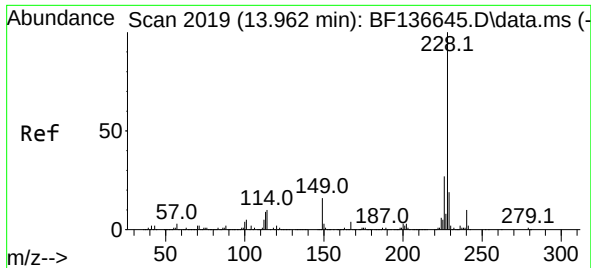
Delta R.T. -0.012 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

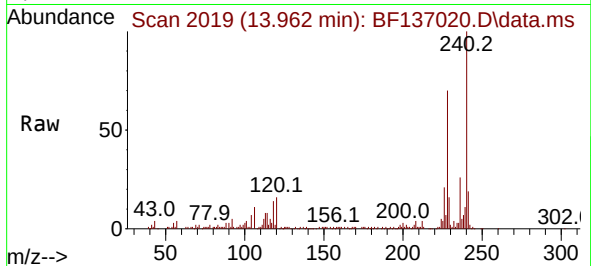
Tgt Ion:	244	Resp:	356480
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.0	7.4
122	11.9	9.0	13.4





#81
Benzo(a)anthracene
Concen: 3.885 ng m
RT: 13.962 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

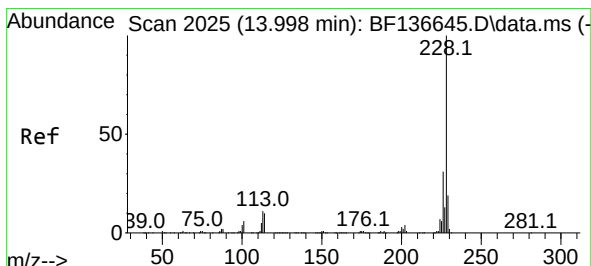
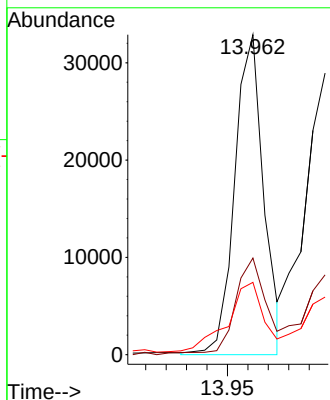
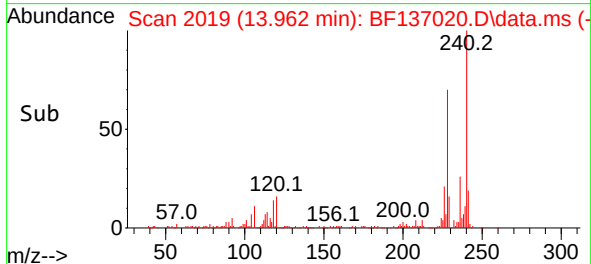
Instrument :
BNA_F
ClientSampleId :
TP-1



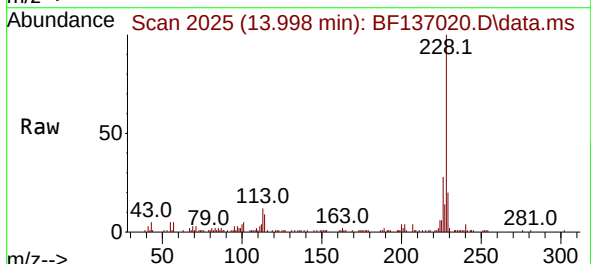
Tgt Ion:228 Resp: 3236
Ion Ratio Lower Upper
228 100
226 30.2 21.4 32.0
229 22.6 14.9 22.3

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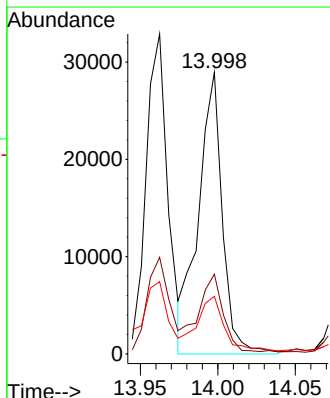
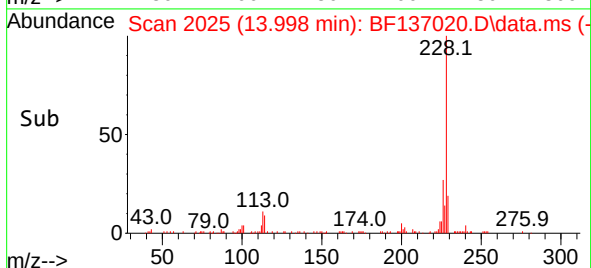
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024

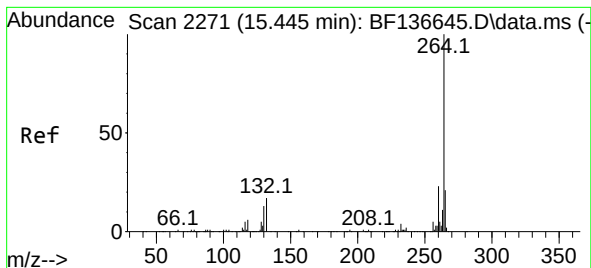


#83
Chrysene
Concen: 3.831 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15



Tgt Ion:228 Resp: 31211
Ion Ratio Lower Upper
228 100
226 28.3 24.7 37.1
229 20.4 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

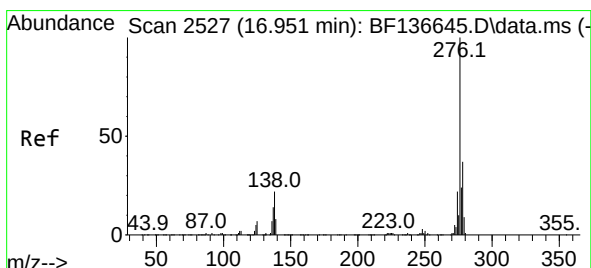
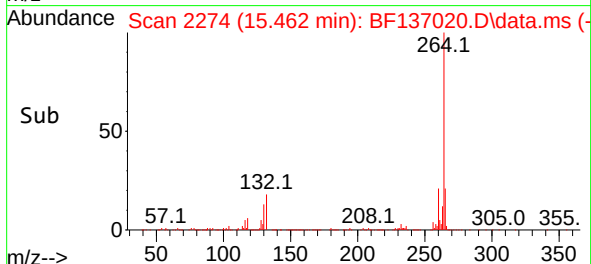
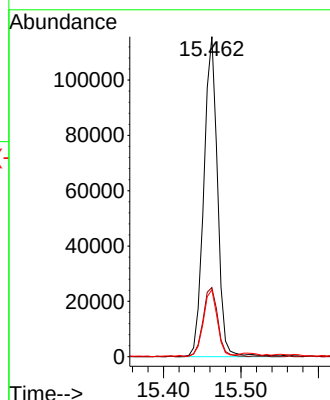
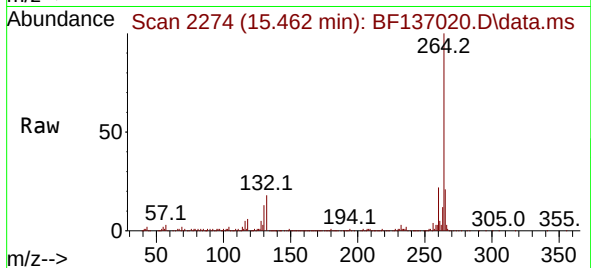
Tgt Ion:264 Resp: 141784
 Ion Ratio Lower Upper
 264 100
 260 21.6 18.3 27.5
 265 20.9 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.218 ng

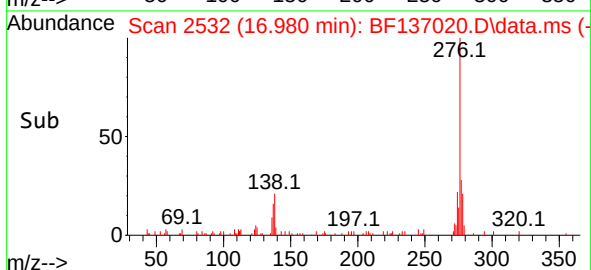
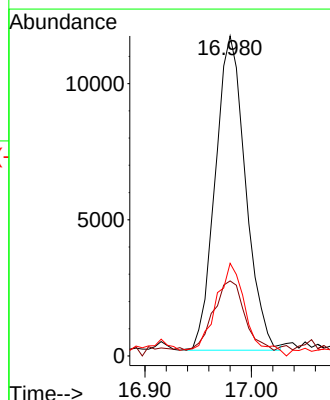
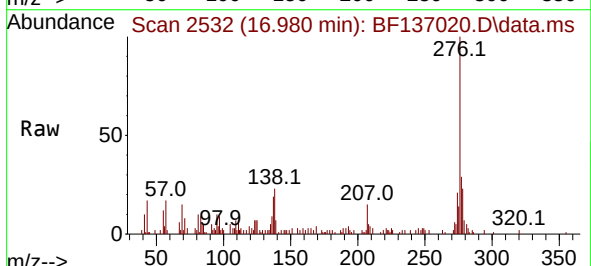
RT: 16.980 min Scan# 2532

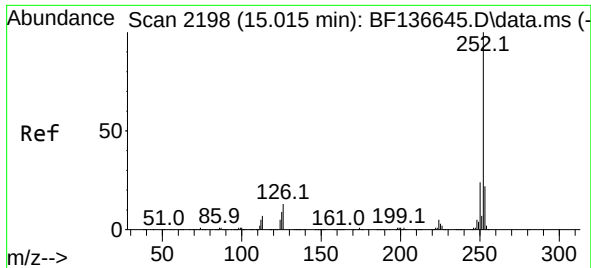
Delta R.T. 0.029 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

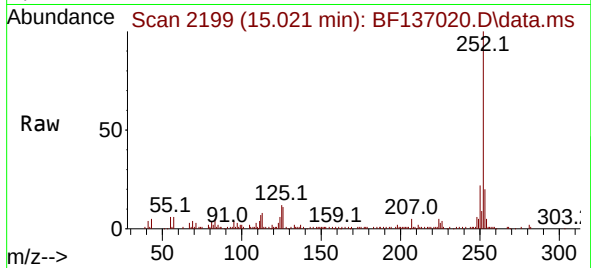
Tgt Ion:276 Resp: 22708
 Ion Ratio Lower Upper
 276 100
 138 25.5 18.7 28.1
 277 29.8 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 5.094 ng m
RT: 15.021 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

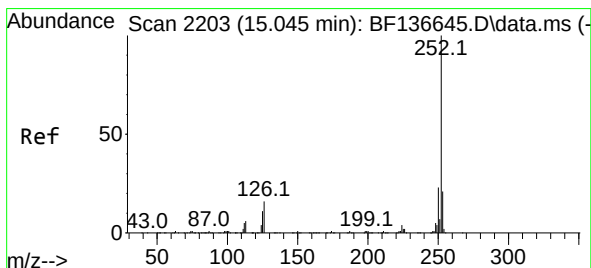
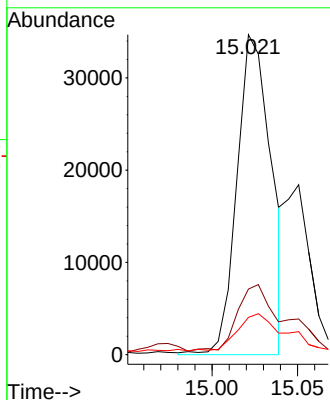
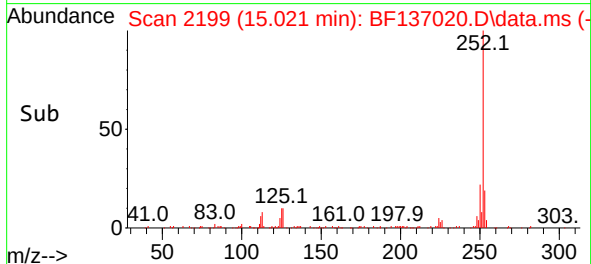
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 4824
Ion Ratio Lower Upper
252 100
253 20.5 17.4 26.0
125 11.7 7.4 11.2

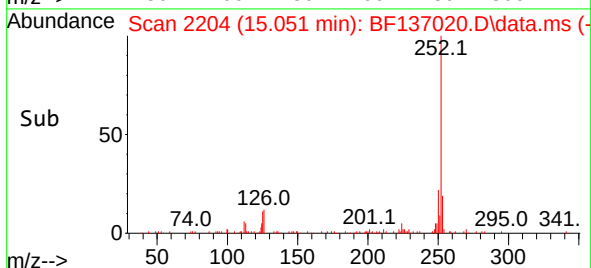
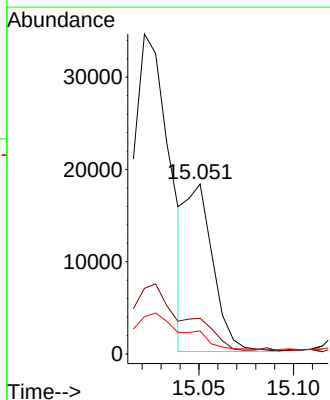
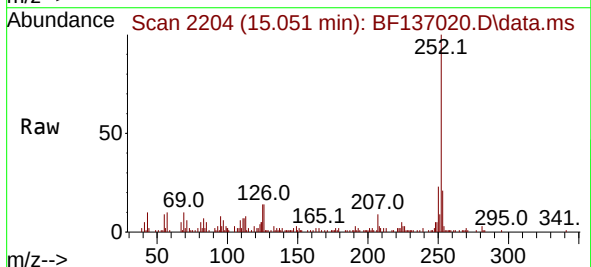
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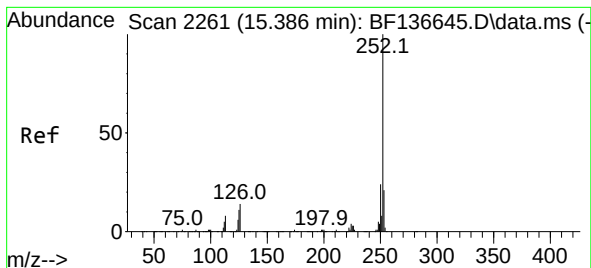
Reviewed By :Yogesh Patel 01/11/2024
Supervised By :mohammad ahmed 01/12/2024



#89
Benzo(k)fluoranthene
Concen: 2.041 ng m
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF137020.D
Acq: 10 Jan 2024 15:15

Tgt Ion:252 Resp: 18267
Ion Ratio Lower Upper
252 100
253 21.0 17.0 25.6
125 13.5 8.2 12.4





#90

Benzo(a)pyrene

Concen: 4.949 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Instrument :

BNA_F

ClientSampleId :

TP-1

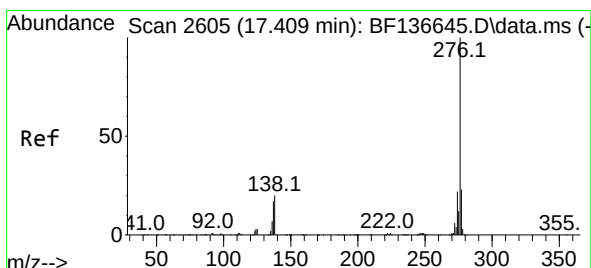
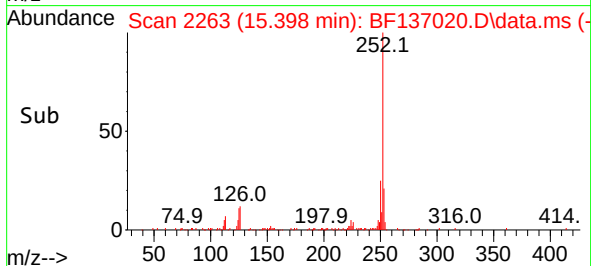
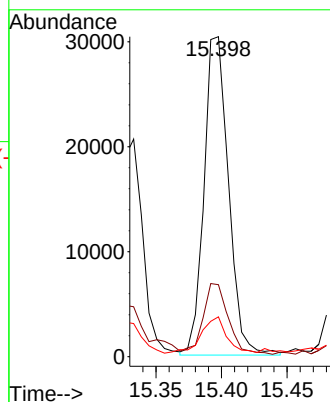
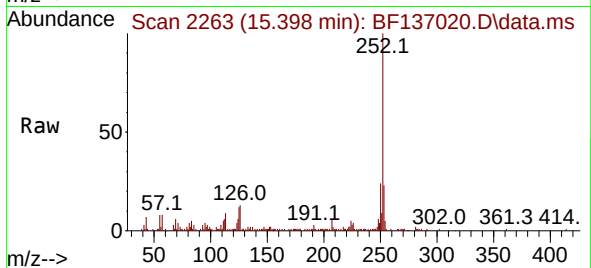
Tgt Ion:	252	Resp:	39558
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	12.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/11/2024

Supervised By :mohammad ahmed 01/12/2024



#92

Benzo(g,h,i)perylene

Concen: 2.646 ng

RT: 17.439 min Scan# 2610

Delta R.T. 0.029 min

Lab File: BF137020.D

Acq: 10 Jan 2024 15:15

Tgt Ion:	276	Resp:	22760
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.3	27.5
138	22.3	15.6	23.4

