

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
 Data File : BF137679.D
 Acq On : 22 Mar 2024 13:56
 Operator : CG\JU
 Sample : P1804-01DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03192024-ADL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/26/2024
 Supervised By :mohammad ahmed 03/26/2024

Quant Time: Mar 22 14:14:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	226884	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	887967	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	475819	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	723619	20.000	ng	0.00
76) Chrysene-d12	13.880	240	426857	20.000	ng	0.00
86) Perylene-d12	15.304	264	479682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	102037	6.811	ng	0.00
7) Phenol-d6	6.363	99	143217	6.623	ng	0.00
23) Nitrobenzene-d5	7.292	82	81730	4.277	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	28436	6.805	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	177398	5.836	ng	0.00
79) Terphenyl-d14	12.821	244	140166	4.515	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.028	128	164008	3.442	ng	98
37) 2-Methylnaphthalene	8.722	142	64533	2.125	ng	100
52) Acenaphthene	9.792	154	89105	3.512	ng	98
55) Dibenzofuran	9.963	168	95152	2.463	ng	98
58) Fluorene	10.304	166	143927	4.850	ng	100
71) Phenanthrene	11.268	178	898815	22.824	ng	99
72) Anthracene	11.316	178	285648	7.062	ng	99
75) Fluoranthene	12.457	202	986278	25.622	ng	97
78) Pyrene	12.680	202	857808	20.480	ng	99
81) Benzo(a)anthracene	13.868	228	430332	14.384	ng	97
83) Chrysene	13.904	228	361729	11.963	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	183851	5.824	ng	93
88) Benzo(b)fluoranthene	14.898	252	516518m	18.203	ng	
89) Benzo(k)fluoranthene	14.921	252	156539m	5.136	ng	
90) Benzo(a)pyrene	15.245	252	371903	13.300	ng	99
92) Benzo(g,h,i)perylene	17.109	276	171524	6.522	ng	97

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

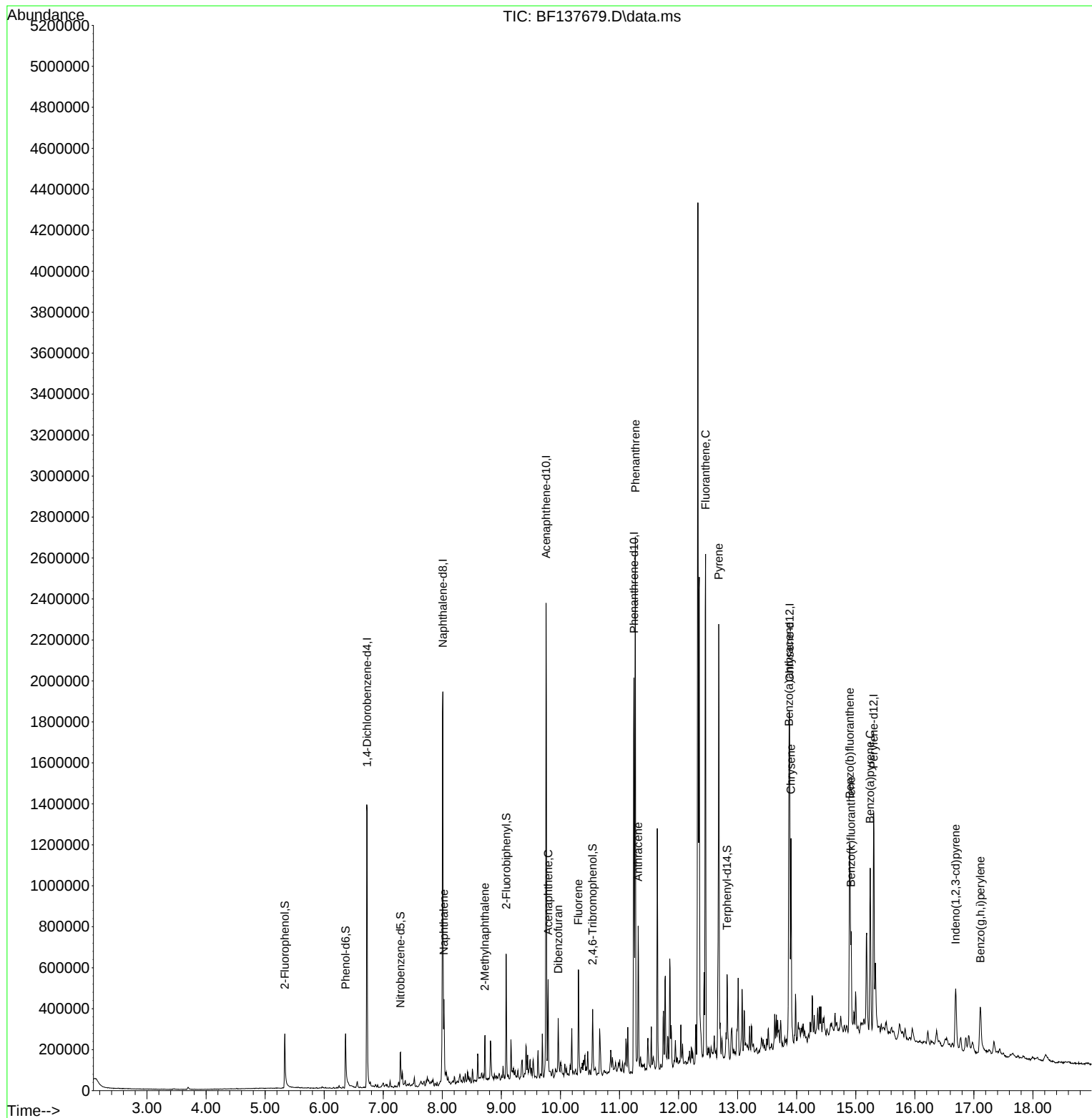
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137679.D
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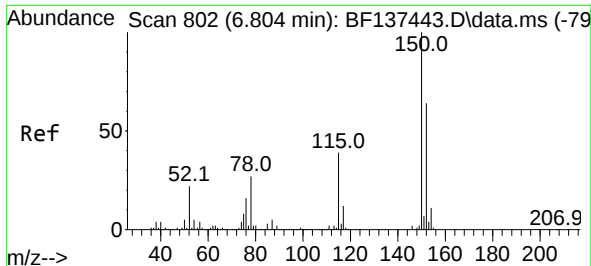
Instrument :
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Quant Time: Mar 22 14:14:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
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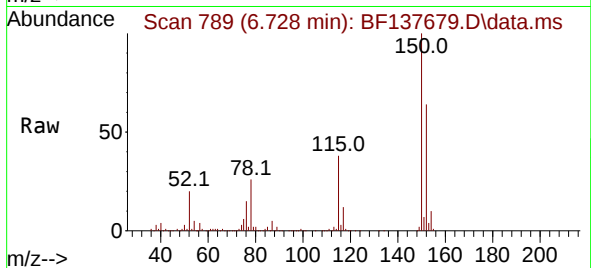
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

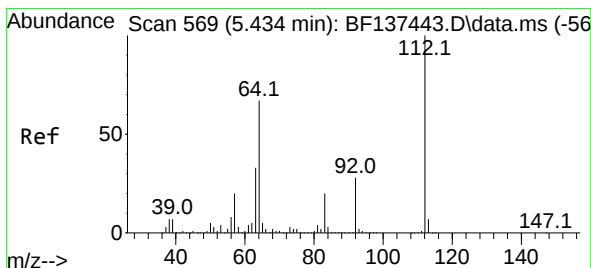
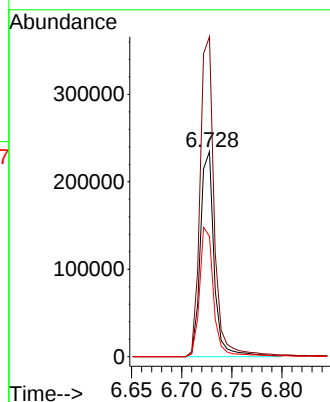
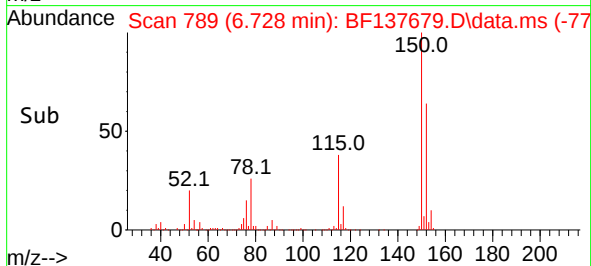
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



Tgt Ion:152 Resp: 226884
Ion Ratio Lower Upper
152 100
150 156.0 125.8 188.6
115 58.7 48.8 73.2

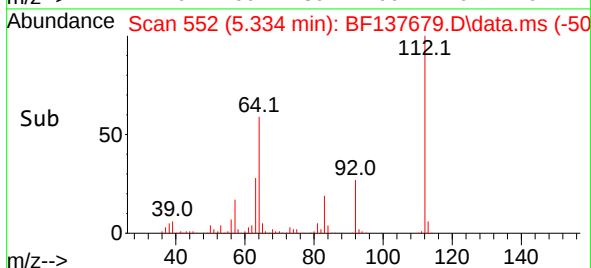
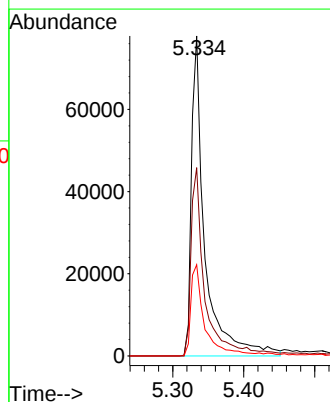
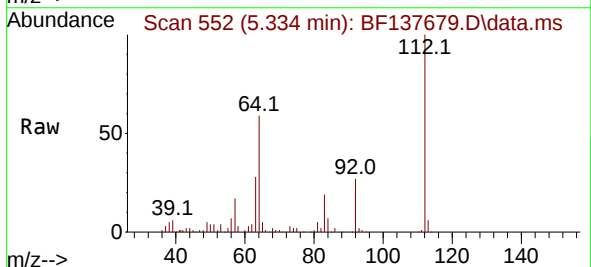
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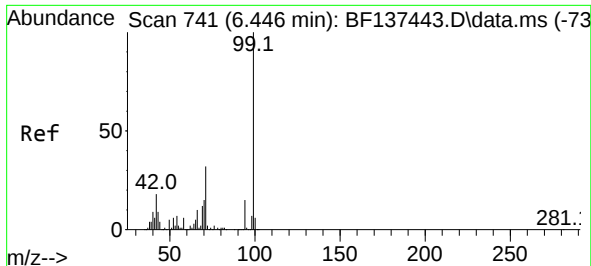
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#5
2-Fluorophenol
Concen: 6.811 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

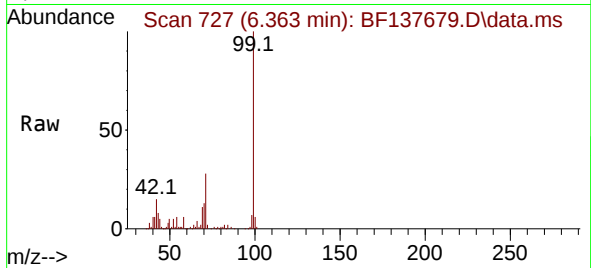
Tgt Ion:112 Resp: 102037
Ion Ratio Lower Upper
112 100
64 58.9 53.4 80.2
63 28.5 26.2 39.2





#7
Phenol-d6
Concen: 6.623 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

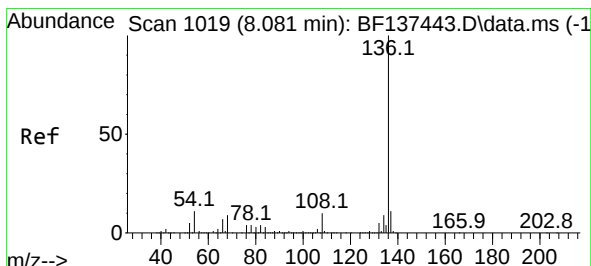
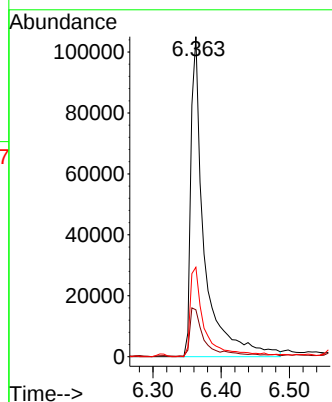
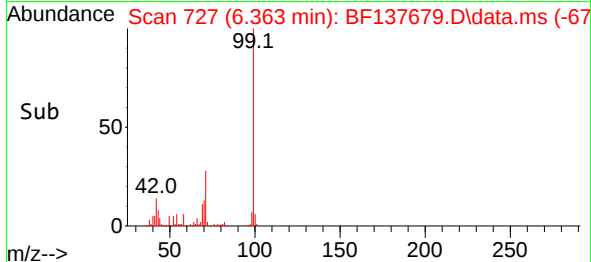
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



Tgt Ion: 99 Resp: 14321
Ion Ratio Lower Upper
99 100
42 14.6 14.6 21.8
71 27.9 25.3 37.9

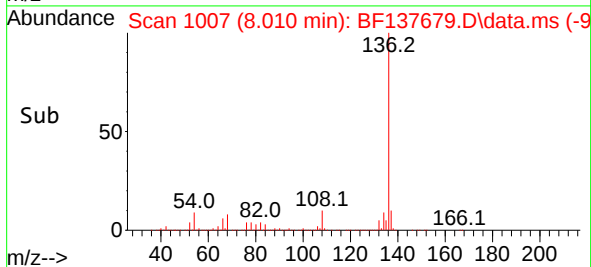
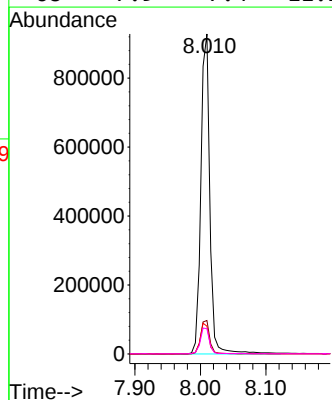
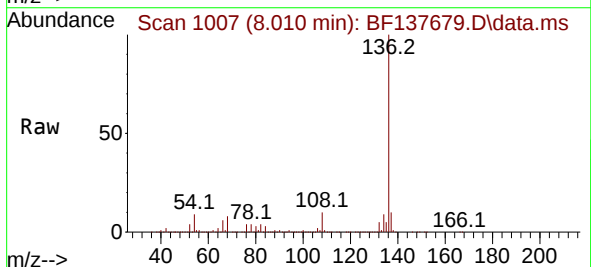
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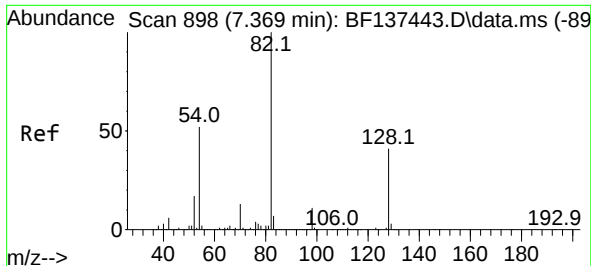
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:136 Resp: 887967
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 8.7 8.5 12.7
68 7.9 7.4 11.2





#23

Nitrobenzene-d5

Concen: 4.277 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF137679.D

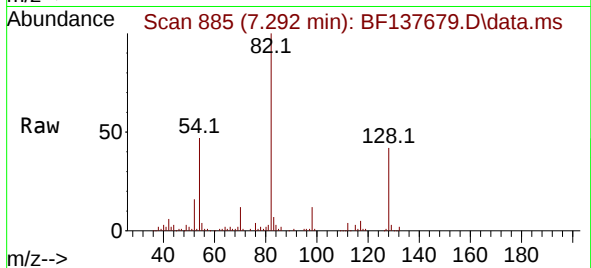
Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL



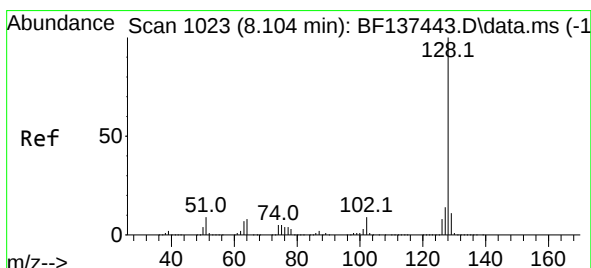
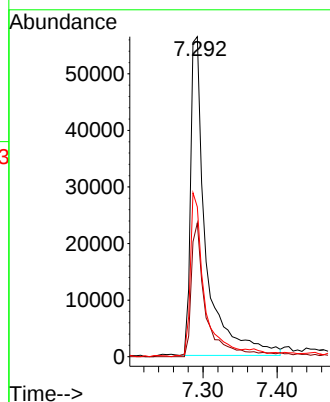
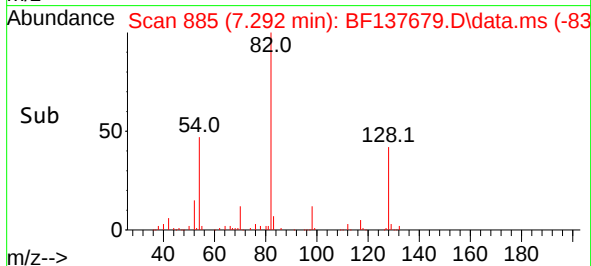
Tgt Ion:	82	Resp:	81730
Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.5	48.7
54	46.8	41.5	62.3

Manual Integrations

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Supervised By :mohammad ahmed 03/26/2024



#31

Naphthalene

Concen: 3.442 ng

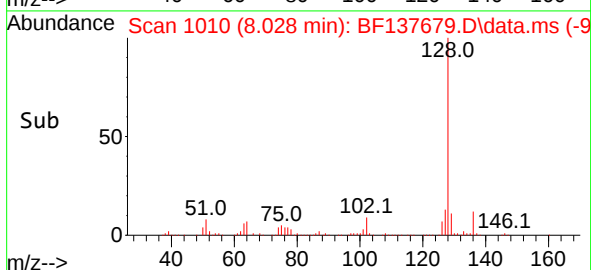
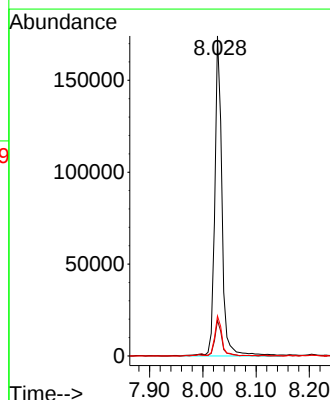
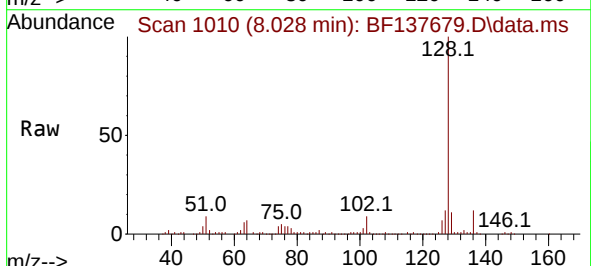
RT: 8.028 min Scan# 1010

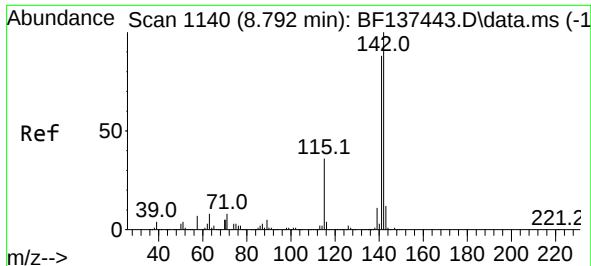
Delta R.T. -0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Tgt Ion:	128	Resp:	164008
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.2	13.8
127	12.5	10.8	16.2





#37

2-Methylnaphthalene

Concen: 2.125 ng

RT: 8.722 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

Tgt Ion:142 Resp: 6453

Ion Ratio Lower Upper

142 100

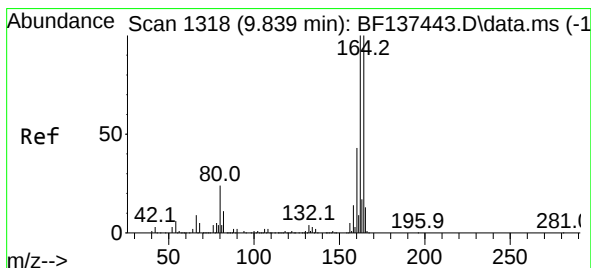
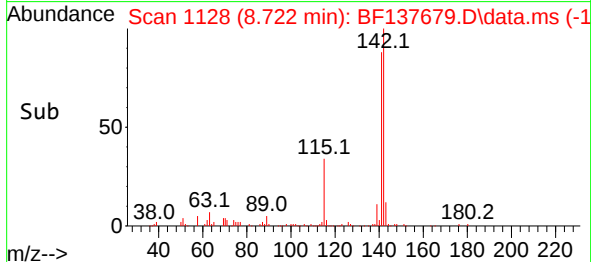
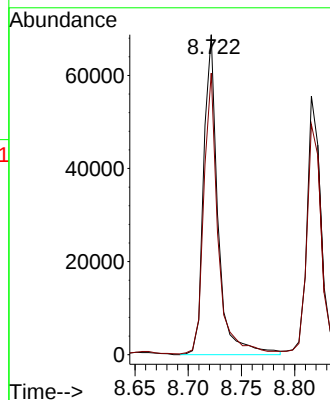
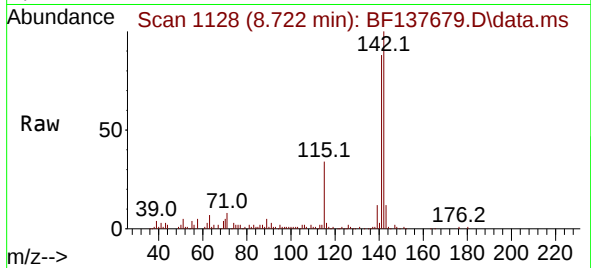
141 88.0 70.4 105.6

Manual Integrations

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Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

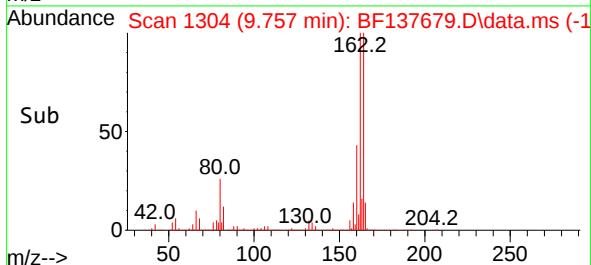
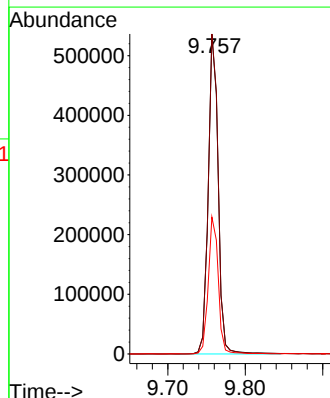
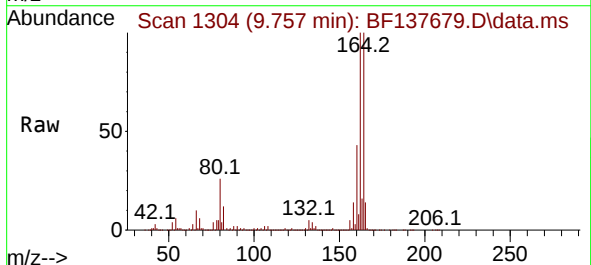
Tgt Ion:164 Resp: 475819

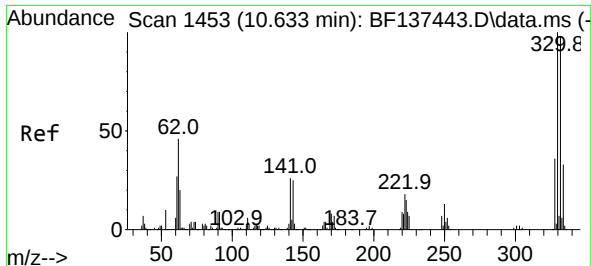
Ion Ratio Lower Upper

164 100

162 100.1 79.8 119.8

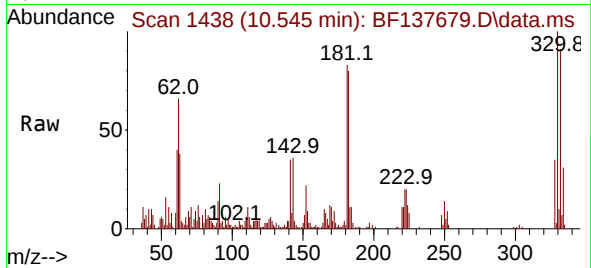
160 42.9 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 6.805 ng
RT: 10.545 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

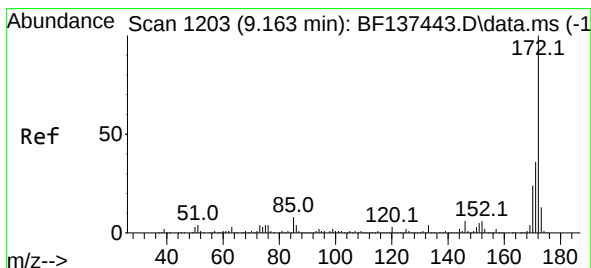
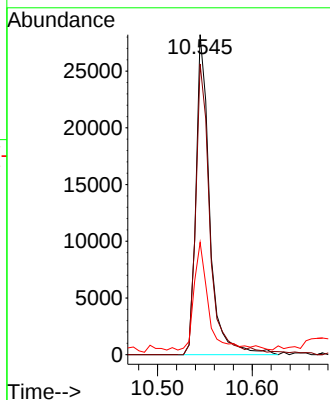
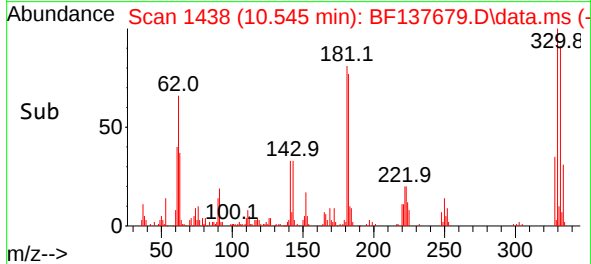
Instrument :
BNA_F
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JC-03-03192024-ADL



Tgt Ion:330 Resp: 28430
Ion Ratio Lower Upper
330 100
332 95.9 78.0 117.0
141 37.0 27.3 40.9

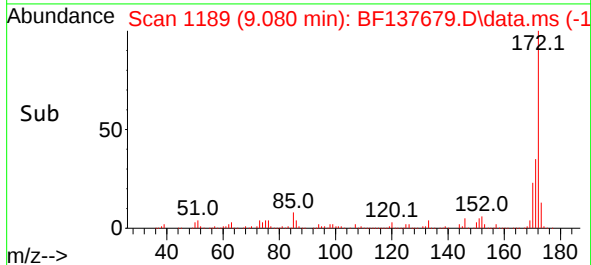
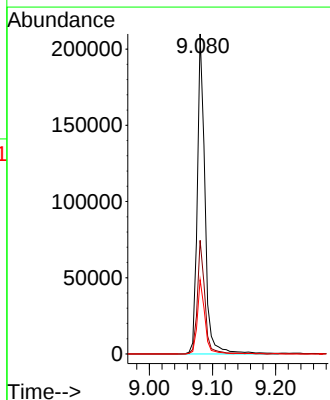
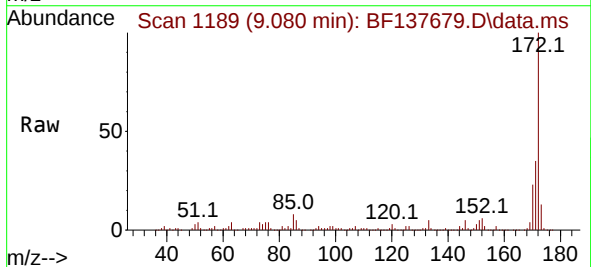
Manual Integrations
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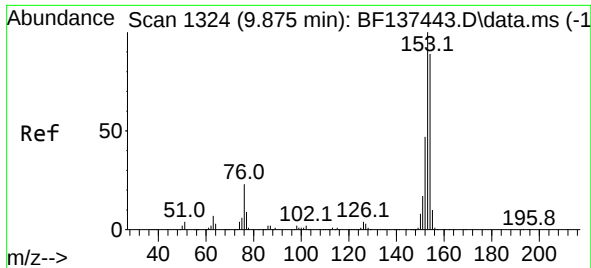
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#45
2-Fluorobiphenyl
Concen: 5.836 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

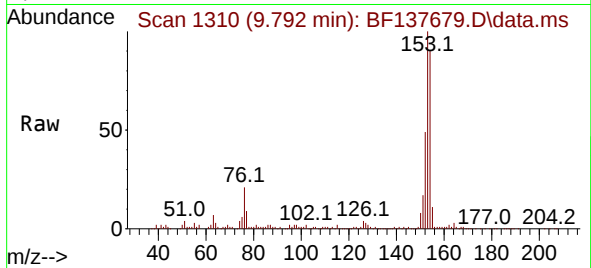
Tgt Ion:172 Resp: 177398
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.2 19.0 28.6





#52
Acenaphthene
Concen: 3.512 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

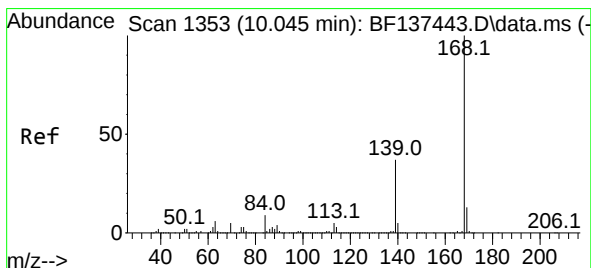
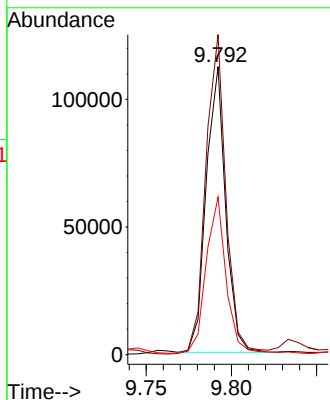
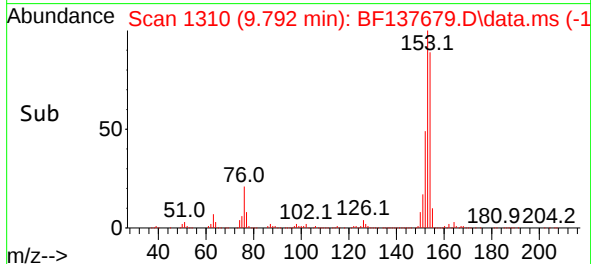
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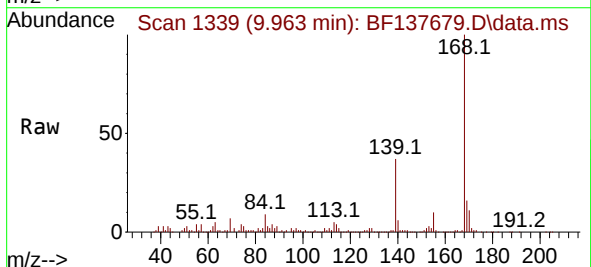
Tgt Ion:154 Resp: 8910
Ion Ratio Lower Upper
154 100
153 111.1 90.3 135.5
152 54.7 42.7 64.1

Manual Integrations
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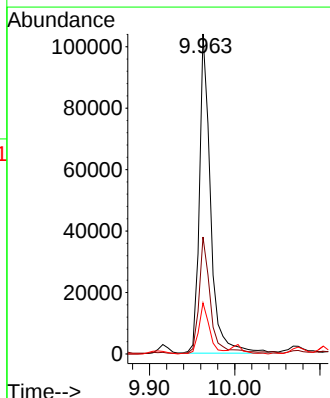
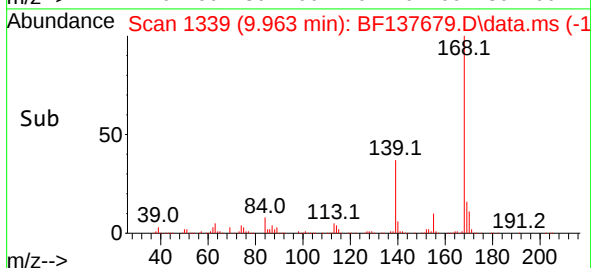
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024

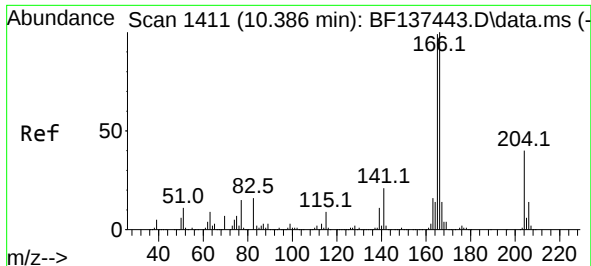


#55
Dibenzofuran
Concen: 2.463 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56



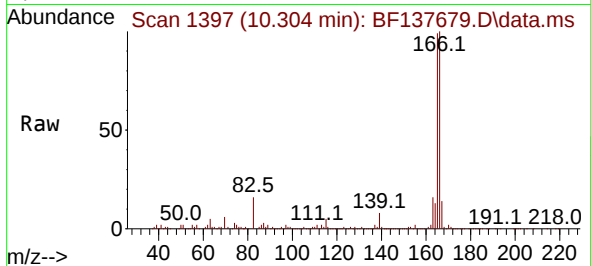
Tgt Ion:168 Resp: 95152
Ion Ratio Lower Upper
168 100
139 36.6 29.8 44.6
169 15.9 10.8 16.2





#58
Fluorene
Concen: 4.850 ng
RT: 10.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

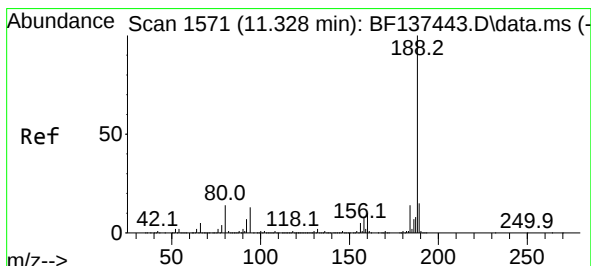
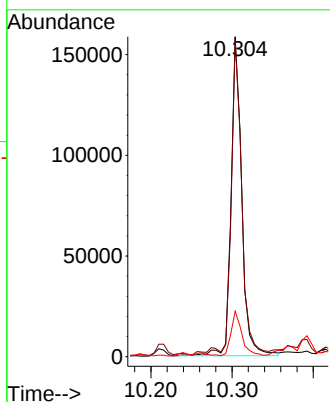
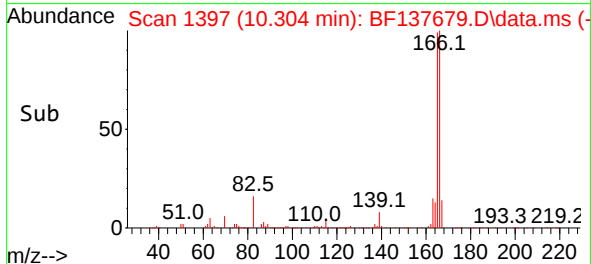
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



Tgt Ion:166 Resp: 14392
Ion Ratio Lower Upper
166 100
165 98.9 79.2 118.8
167 14.2 11.0 16.6

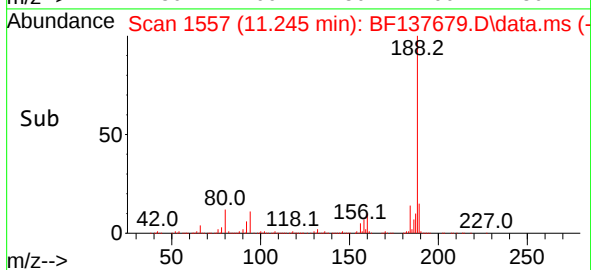
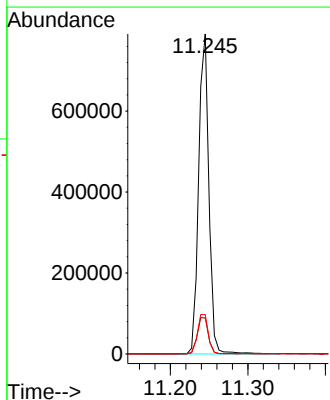
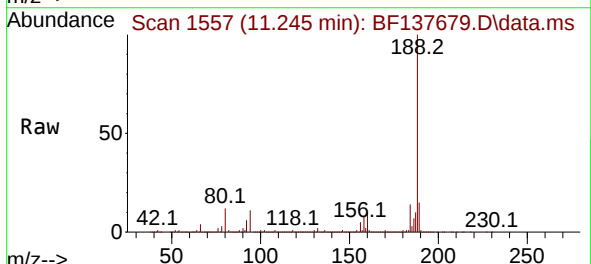
Manual Integrations
APPROVED

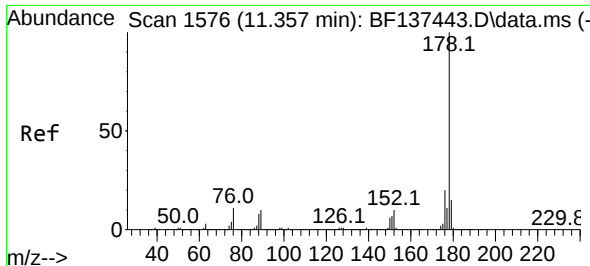
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 1557
Delta R.T. 0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

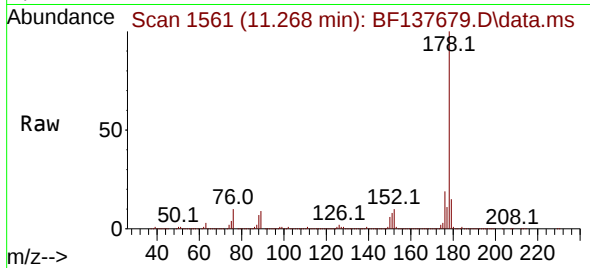
Tgt Ion:188 Resp: 723619
Ion Ratio Lower Upper
188 100
94 11.3 10.6 15.8
80 12.3 11.5 17.3





#71
Phenanthrene
Concen: 22.824 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

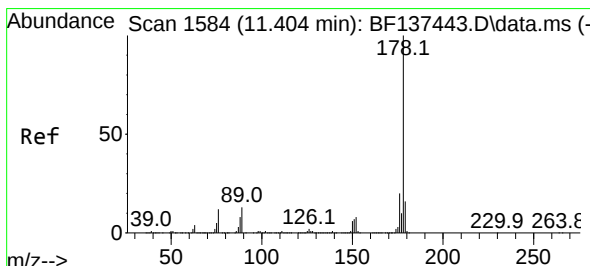
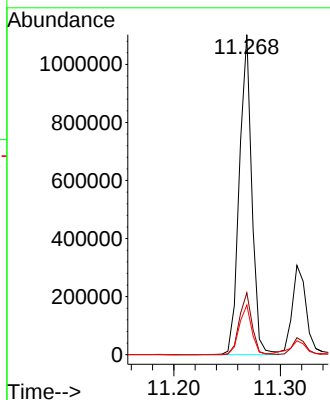
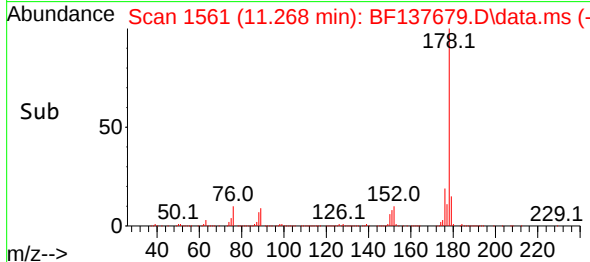
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



Tgt Ion:178 Resp: 898815
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.5 12.2 18.2

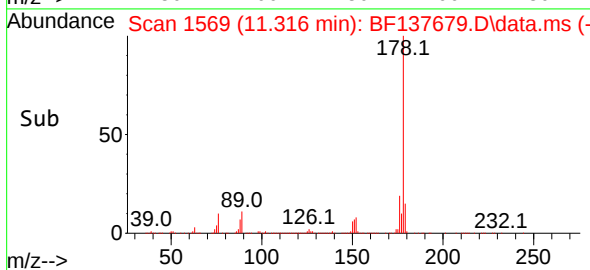
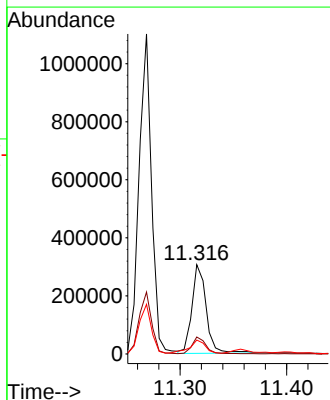
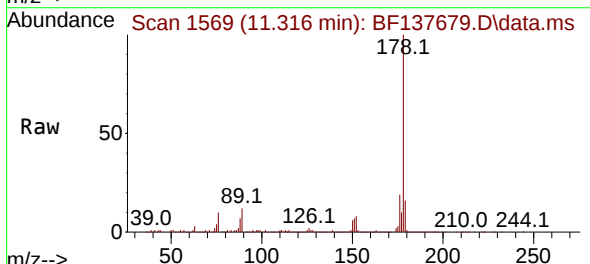
Manual Integrations
APPROVED

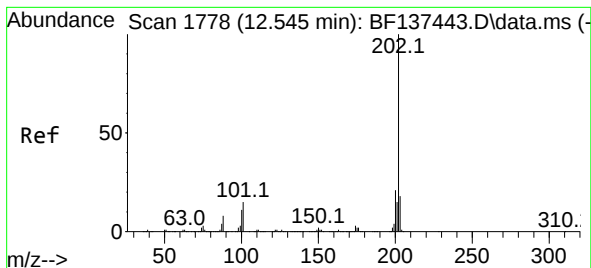
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#72
Anthracene
Concen: 7.062 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:178 Resp: 285648
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.6 12.7 19.1





#75

Fluoranthene

Concen: 25.622 ng

RT: 12.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

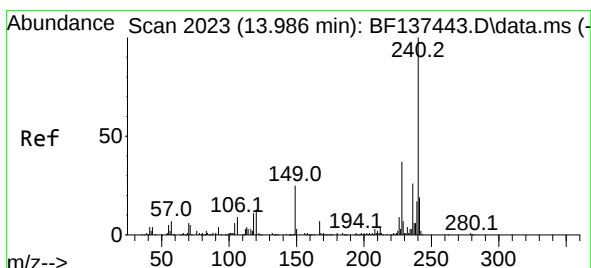
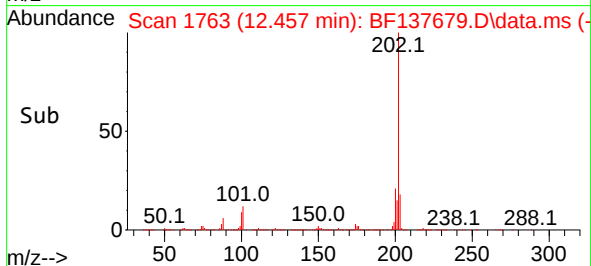
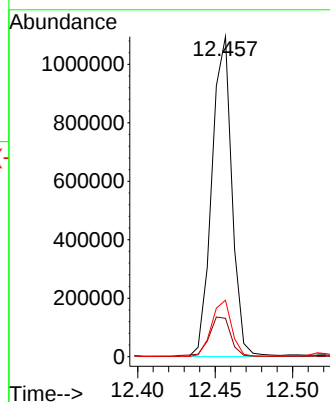
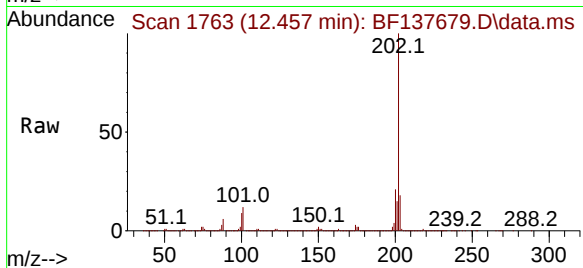
Tgt Ion:202 Resp: 986278
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 35.0
 203 17.7 0.0 37.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#76

Chrysene-d12

Concen: 20.000 ng

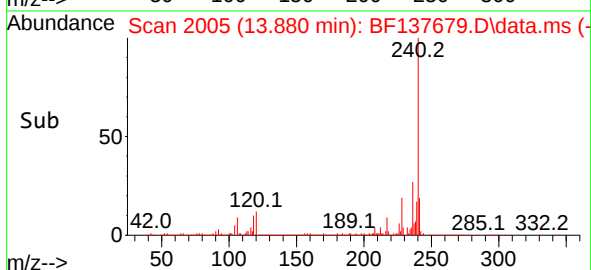
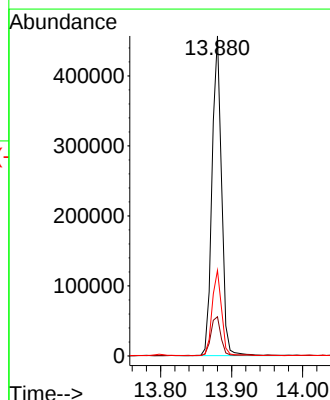
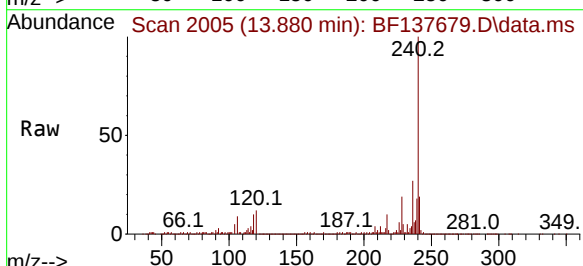
RT: 13.880 min Scan# 2005

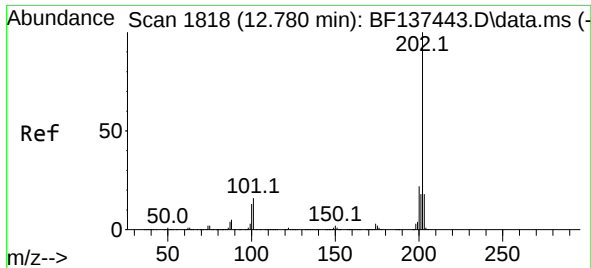
Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

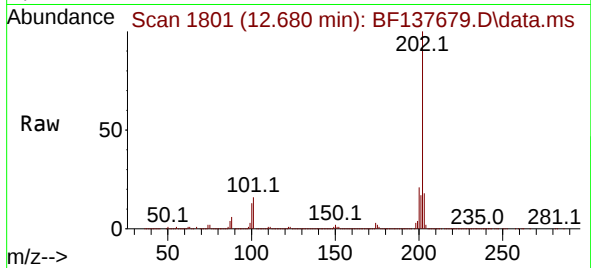
Tgt Ion:240 Resp: 426857
 Ion Ratio Lower Upper
 240 100
 120 12.3 10.4 15.6
 236 26.8 20.9 31.3





#78
Pyrene
Concen: 20.480 ng
RT: 12.680 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

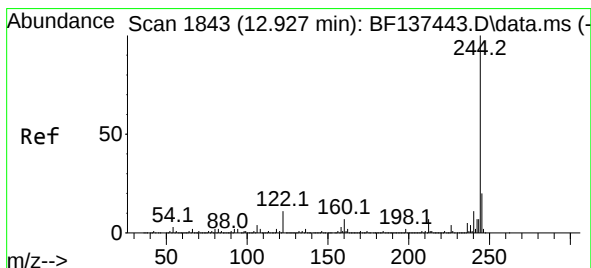
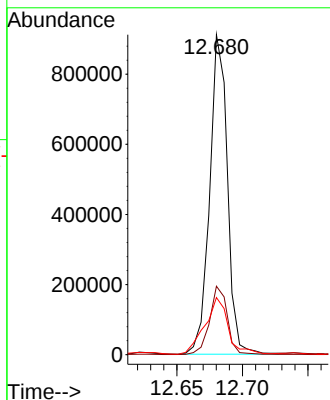
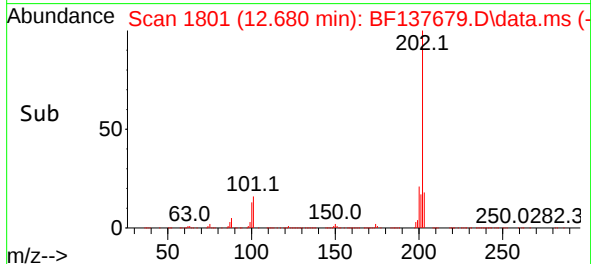
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



Tgt Ion:202 Resp: 857808
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.8 14.1 21.1

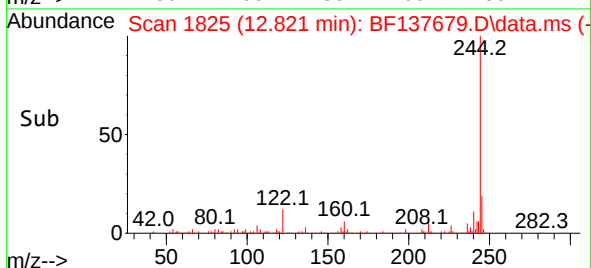
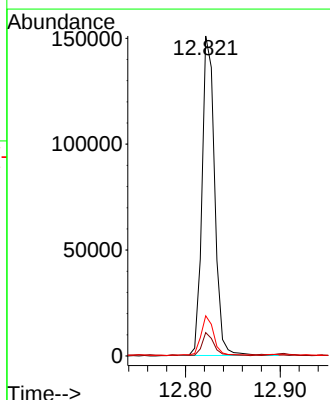
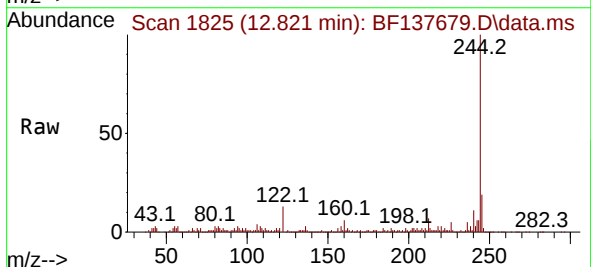
Manual Integrations
APPROVED

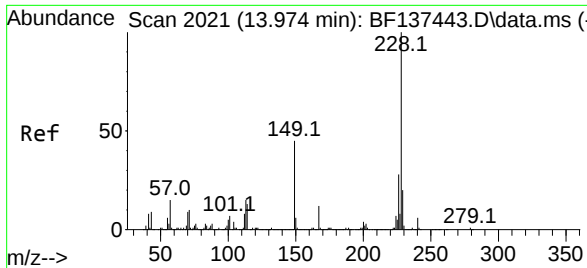
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#79
Terphenyl-d14
Concen: 4.515 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

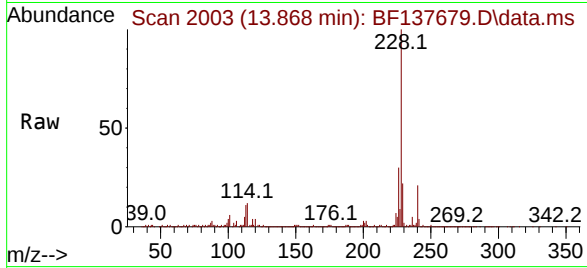
Tgt Ion:244 Resp: 140166
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 12.5 9.1 13.7





#81
Benzo(a)anthracene
Concen: 14.384 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

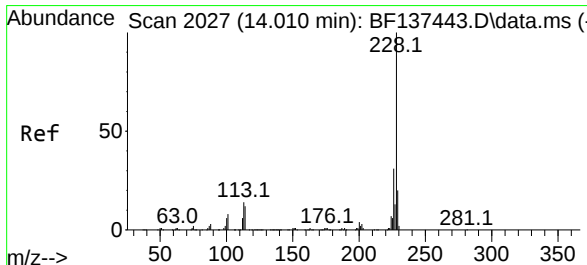
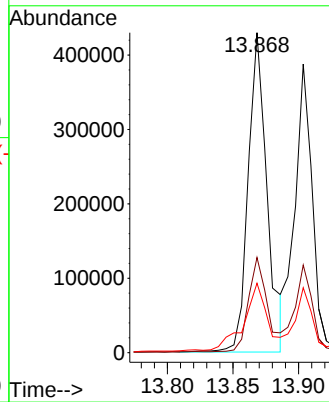
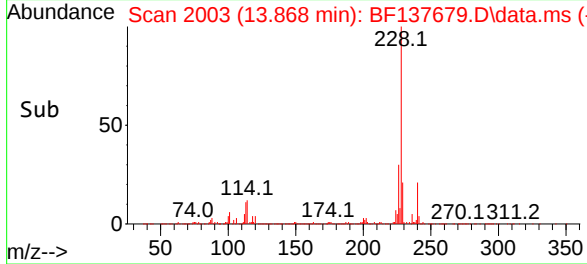
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



Tgt Ion:228 Resp: 430332
Ion Ratio Lower Upper
228 100
226 29.7 22.3 33.5
229 21.7 16.3 24.5

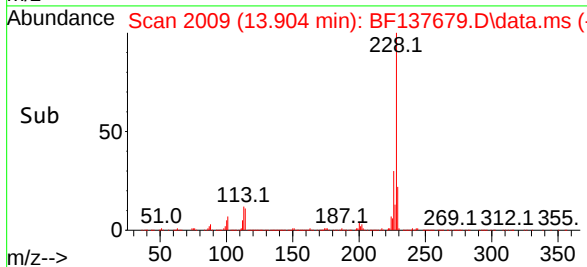
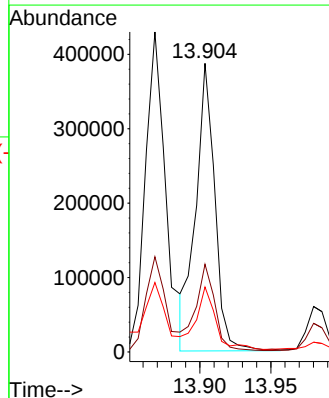
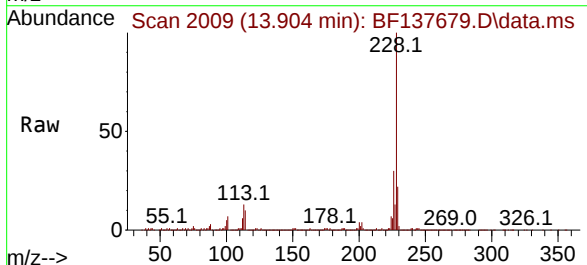
Manual Integrations
APPROVED

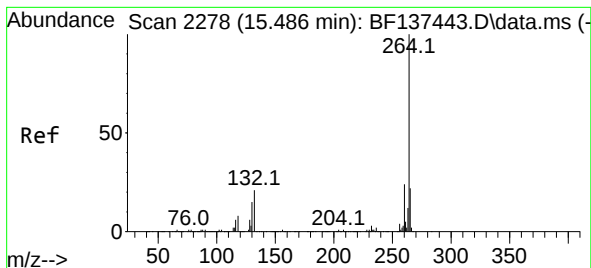
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#83
Chrysene
Concen: 11.963 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

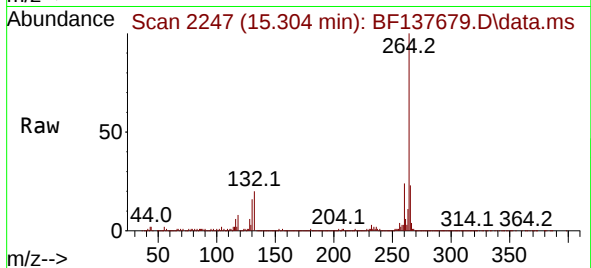
Tgt Ion:228 Resp: 361729
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 22.5 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

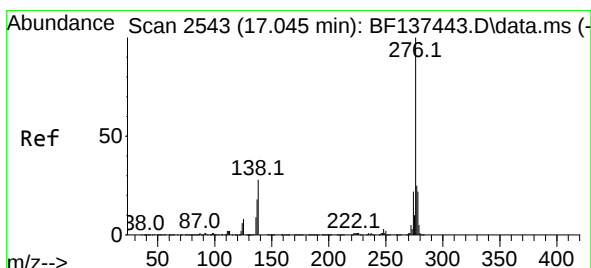
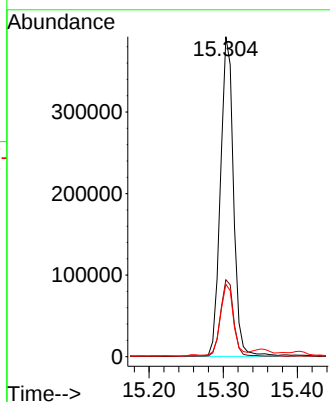
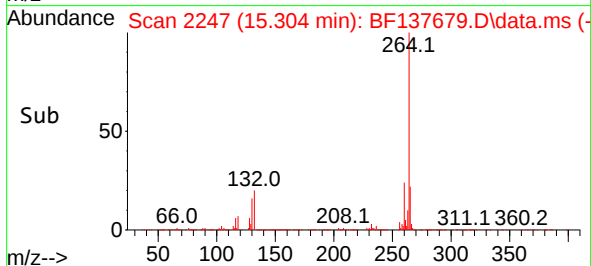
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



Tgt Ion:264 Resp: 47968
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 22.6 17.4 26.0

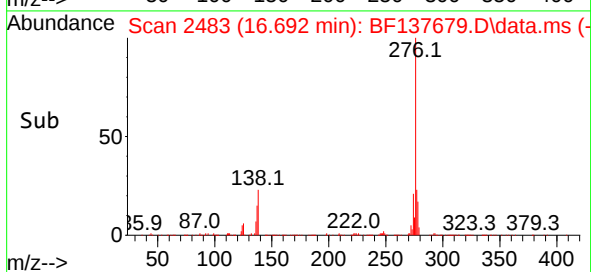
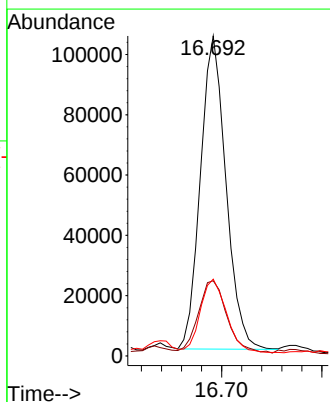
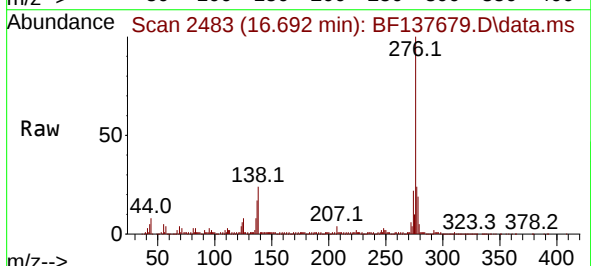
Manual Integrations
APPROVED

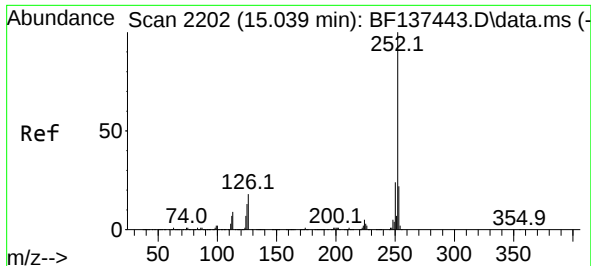
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.824 ng
RT: 16.692 min Scan# 2483
Delta R.T. 0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

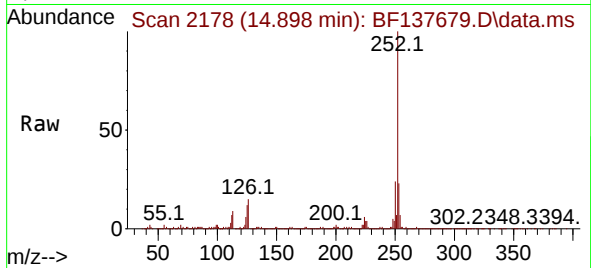
Tgt Ion:276 Resp: 183851
Ion Ratio Lower Upper
276 100
138 26.1 25.8 38.8
277 24.5 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 18.203 ng m
RT: 14.898 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

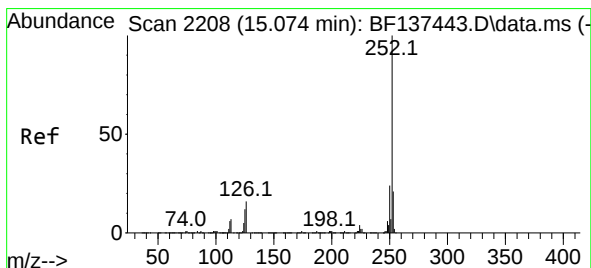
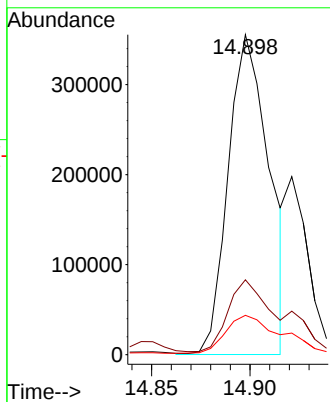
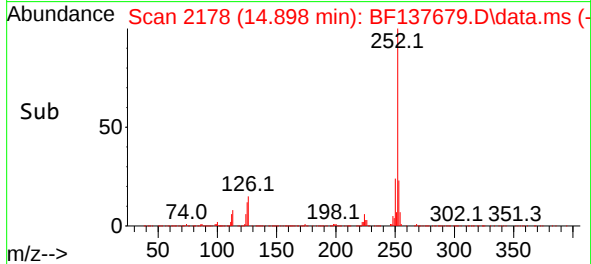
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



Tgt Ion:252 Resp: 516518
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 12.3 10.1 15.1

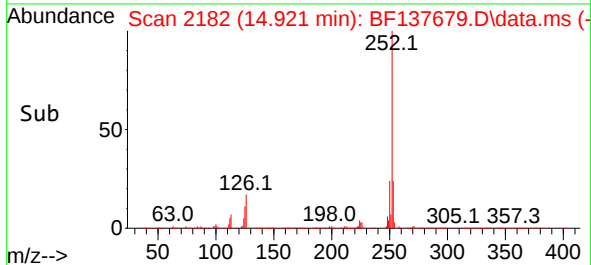
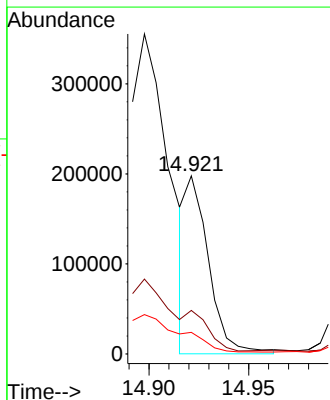
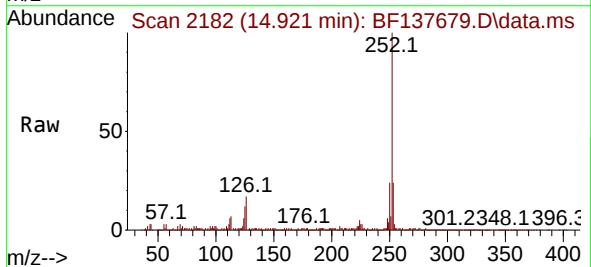
Manual Integrations
APPROVED

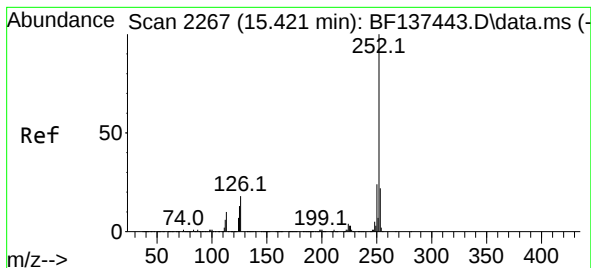
Reviewed By :Yogesh Patel 03/26/2024
Supervised By :mohammad ahmed 03/26/2024



#89
Benzo(k)fluoranthene
Concen: 5.136 ng m
RT: 14.921 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:252 Resp: 156539
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 12.2 9.6 14.4





#90

Benzo(a)pyrene

Concen: 13.300 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

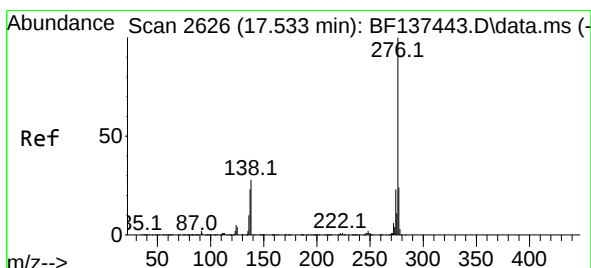
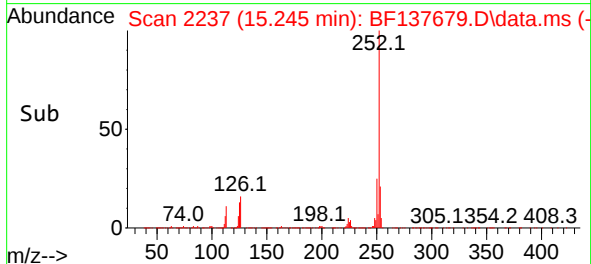
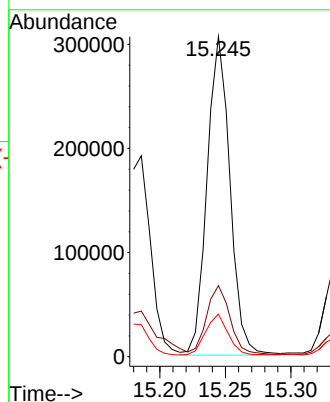
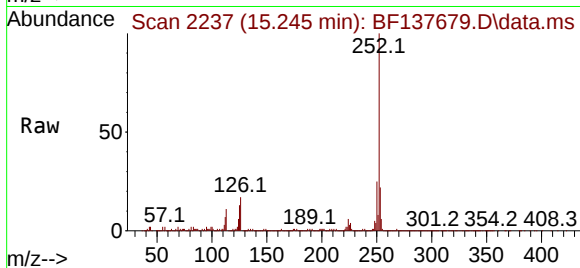
Tgt Ion:	252	Resp:	37190
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.4	26.2
125	13.3	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#92

Benzo(g,h,i)perylene

Concen: 6.522 ng

RT: 17.109 min Scan# 2554

Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Tgt Ion:	276	Resp:	171524
Ion Ratio	Lower	Upper	
276	100		
277	22.7	19.0	28.4
138	25.6	22.2	33.2

