

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031124\
 Data File : BF137566.D
 Acq On : 11 Mar 2024 20:18
 Operator : CG\JU
 Sample : P1701-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-1-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/12/2024
 Supervised By :mohammad ahmed 03/12/2024

Quant Time: Mar 12 02:07:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 12 02:00:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	221877	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	842269	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	416923	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	564163	20.000	ng	0.00
76) Chrysene-d12	14.092	240	422779	20.000	ng	0.00
86) Perylene-d12	15.645	264	358260	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1238453	84.537	ng	0.00
7) Phenol-d6	6.545	99	1672485	79.090	ng	-0.01
23) Nitrobenzene-d5	7.457	82	1040077	57.376	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	259871	70.978	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1644344	61.738	ng	0.00
79) Terphenyl-d14	13.027	244	1308775	42.568	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	167994	5.472	ng	98
75) Fluoranthene	12.651	202	358235	11.937	ng	97
78) Pyrene	12.880	202	342742	8.262	ng	98
81) Benzo(a)anthracene	14.080	228	190866	6.441	ng	99
83) Chrysene	14.115	228	164064	5.478	ng	97
87) Indeno(1,2,3-cd)pyrene	17.274	276	58660	2.488	ng	95
88) Benzo(b)fluoranthene	15.180	252	173401m	8.182	ng	
89) Benzo(k)fluoranthene	15.209	252	66490m	2.921	ng	
90) Benzo(a)pyrene	15.574	252	125464	6.008	ng	97
92) Benzo(g,h,i)perylene	17.768	276	59127	3.010	ng	98

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

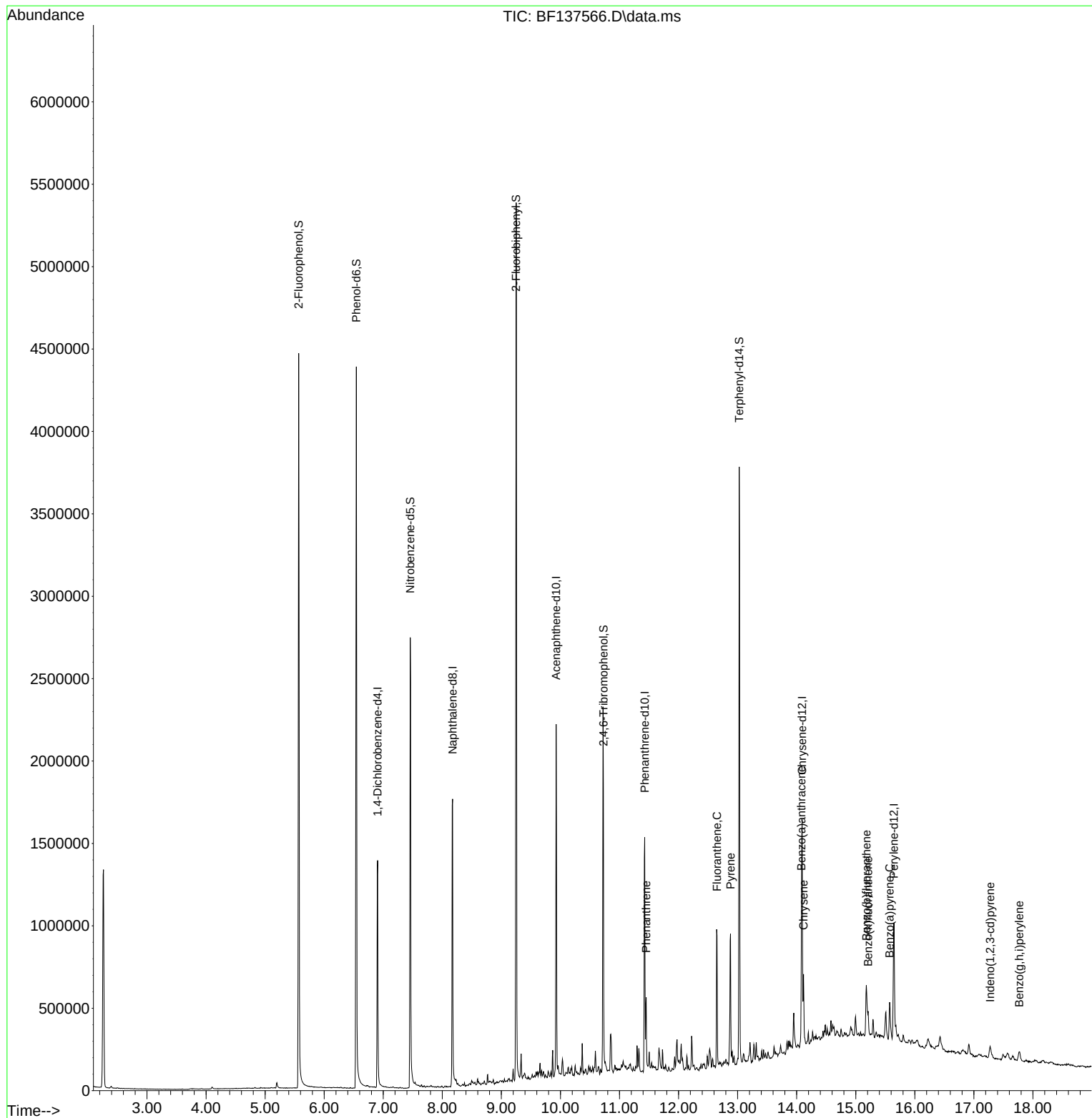
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031124\
Data File : BF137566.D
Acq On : 11 Mar 2024 20:18
Operator : CG\JU
Sample : P1701-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

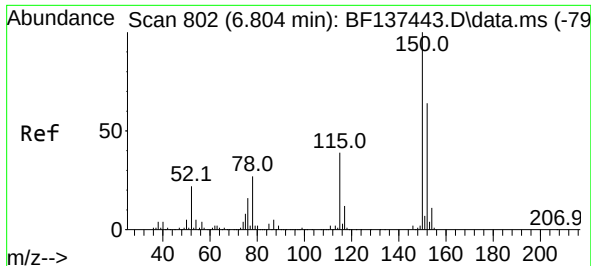
Instrument :
BNA_F
ClientSampleId :
RCA-1-COMP

Quant Time: Mar 12 02:07:49 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Manual Integrations
APPROVED

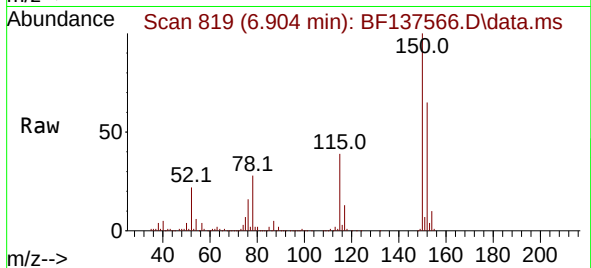
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

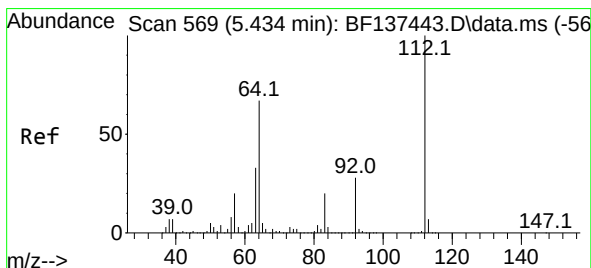
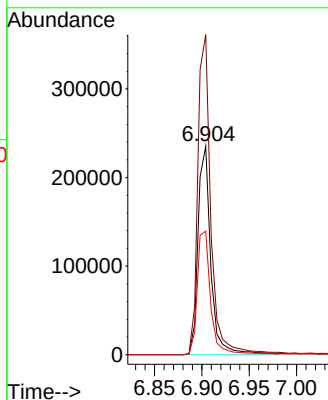
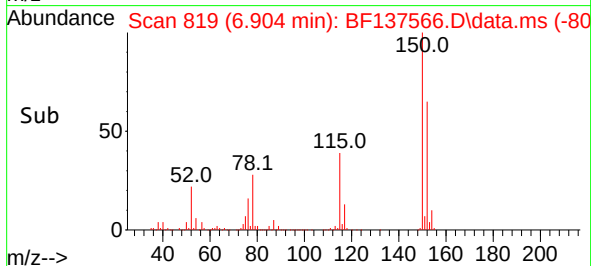
Instrument :
BNA_F
ClientSampleId :
RCA-1-COMP



Tgt Ion:152 Resp: 22187
Ion Ratio Lower Upper
152 100
150 153.5 125.8 188.6
115 59.3 48.8 73.2

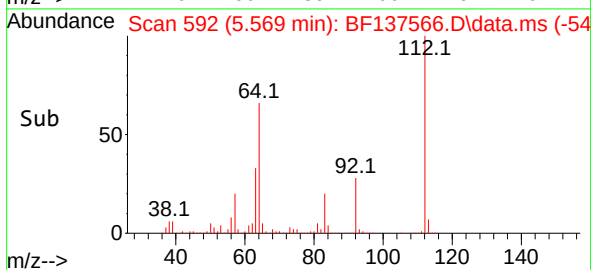
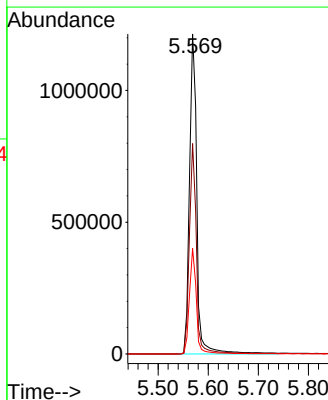
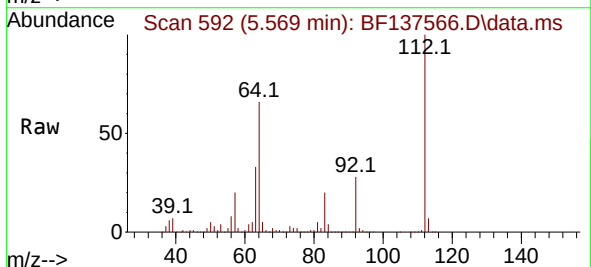
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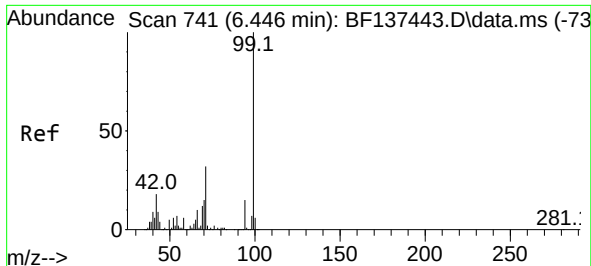
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#5
2-Fluorophenol
Concen: 84.537 ng
RT: 5.569 min Scan# 592
Delta R.T. -0.000 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:112 Resp: 1238453
Ion Ratio Lower Upper
112 100
64 65.7 53.4 80.2
63 33.0 26.2 39.2





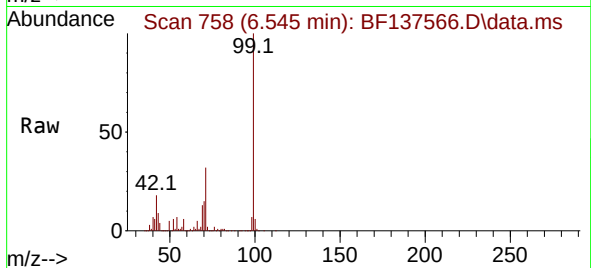
#7
Phenol-d6
Concen: 79.090 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP



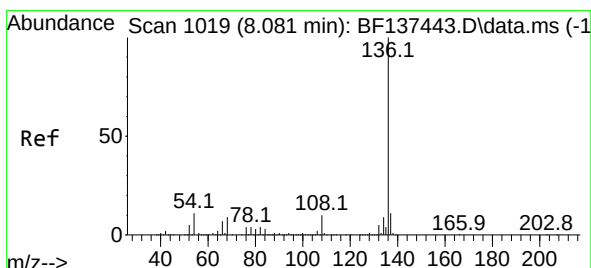
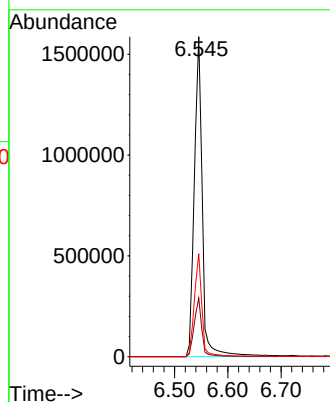
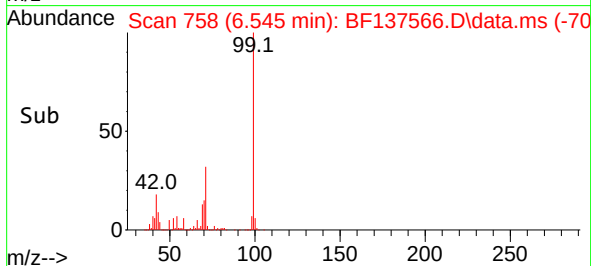
Tgt Ion: 99 Resp: 167248
Ion Ratio Lower Upper
99 100
42 18.3 14.6 21.8
71 32.2 25.3 37.9

Manual Integrations

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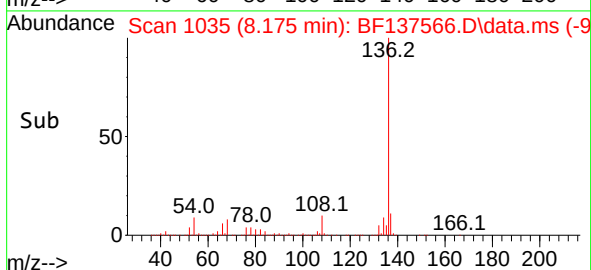
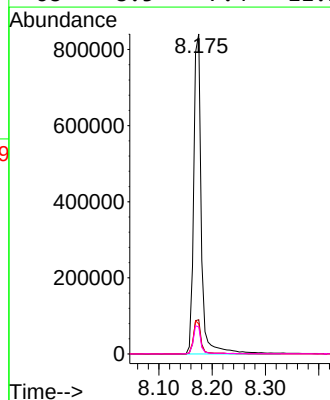
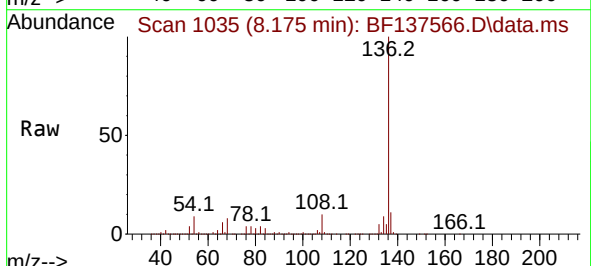
Reviewed By :Yogesh Patel 03/12/2024

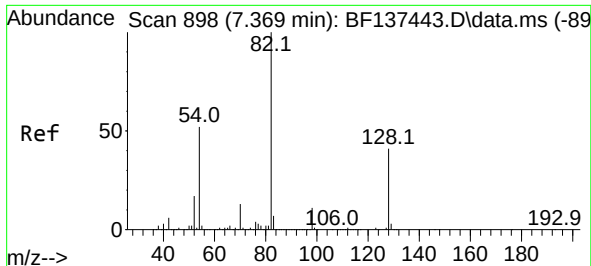
Supervised By :mohammad ahmed 03/12/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:136 Resp: 842269
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 9.4 8.5 12.7
68 8.5 7.4 11.2





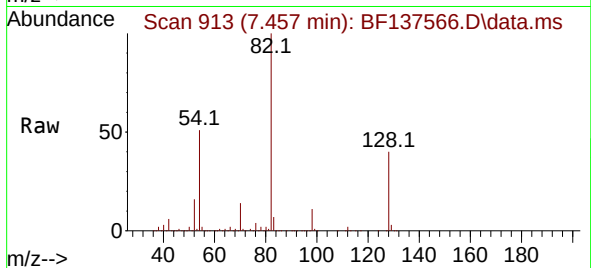
#23
Nitrobenzene-d5
Concen: 57.376 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP



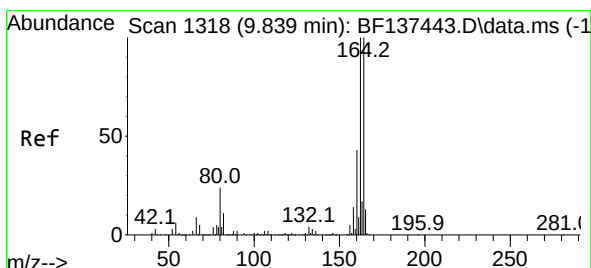
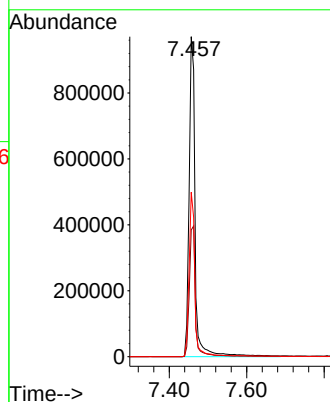
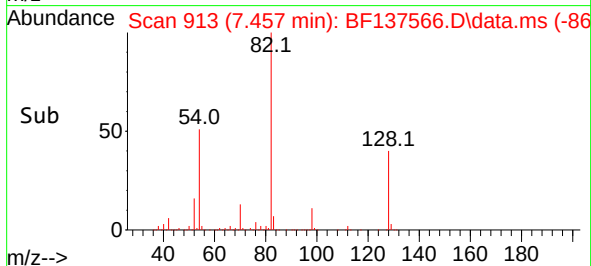
Tgt Ion: 82 Resp: 104007
Ion Ratio Lower Upper
82 100
128 39.6 32.5 48.7
54 51.4 41.5 62.3

Manual Integrations

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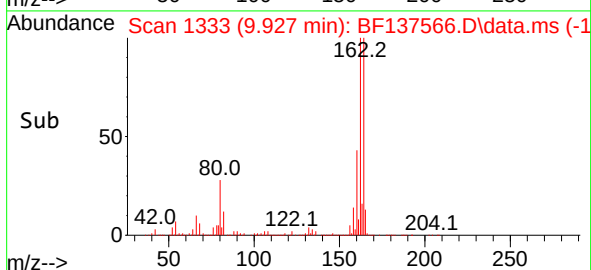
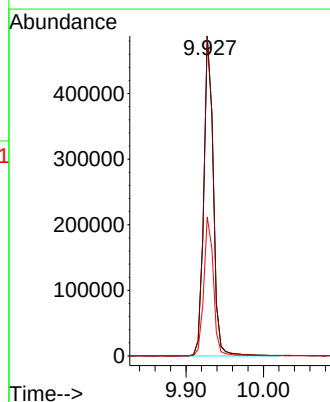
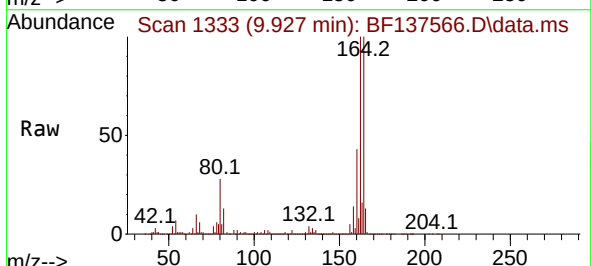
Reviewed By :Yogesh Patel 03/12/2024

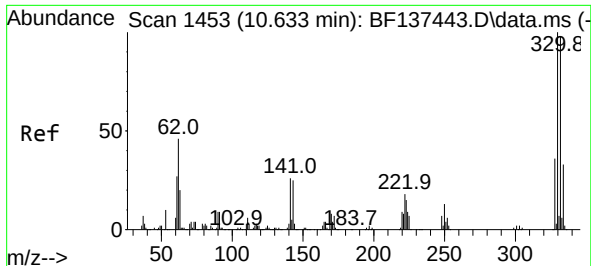
Supervised By :mohammad ahmed 03/12/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:164 Resp: 416923
Ion Ratio Lower Upper
164 100
162 100.1 79.8 119.8
160 43.5 34.4 51.6





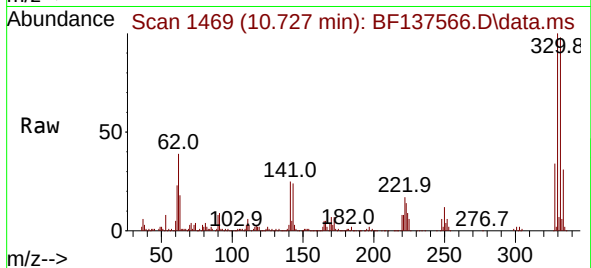
#42
2,4,6-Tribromophenol
Concen: 70.978 ng
RT: 10.727 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP



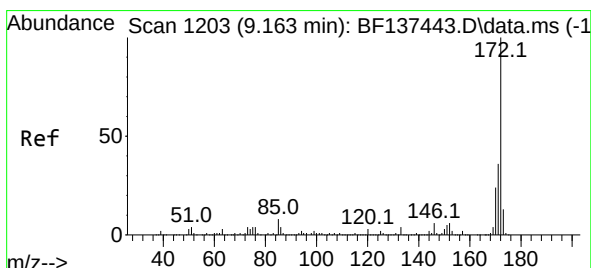
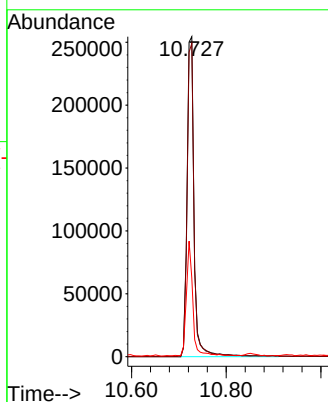
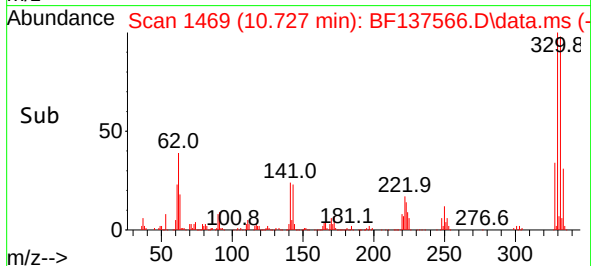
Tgt Ion:330 Resp: 25987
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 33.3 27.3 40.9

Manual Integrations

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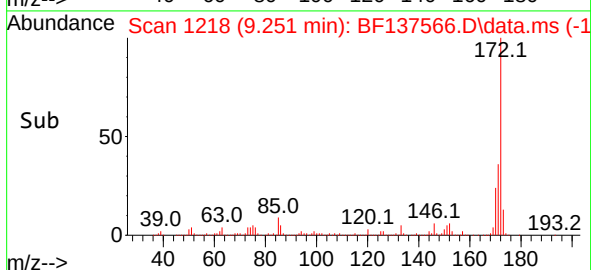
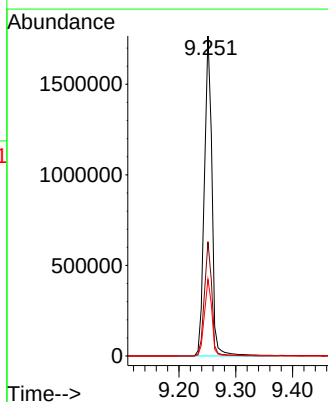
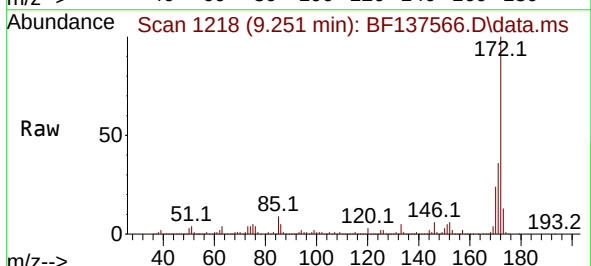
Reviewed By :Yogesh Patel 03/12/2024

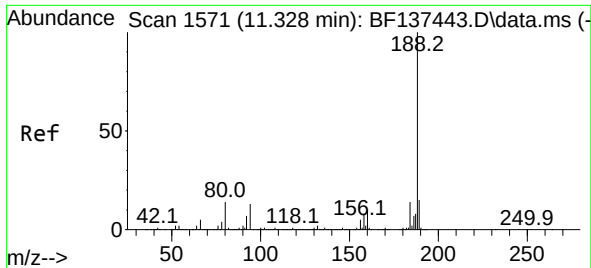
Supervised By :mohammad ahmed 03/12/2024



#45
2-Fluorobiphenyl
Concen: 61.738 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:172 Resp: 1644344
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.9 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

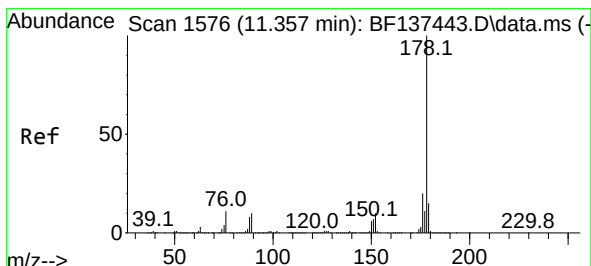
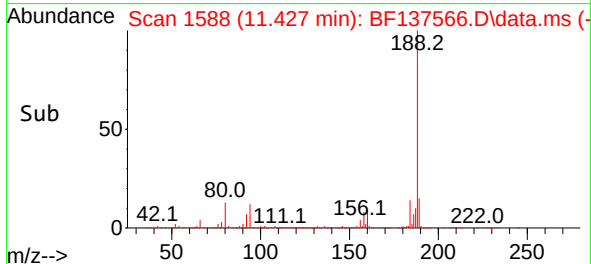
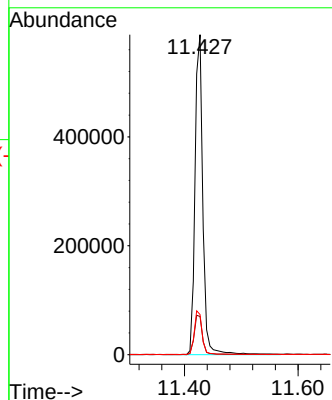
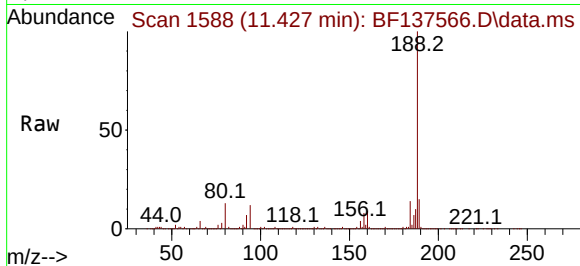
ClientSampleId :

RCA-1-COMP

Tgt Ion:188 Resp: 56416
Ion Ratio Lower Upper
188 100
94 11.9 10.6 15.8
80 12.6 11.5 17.3

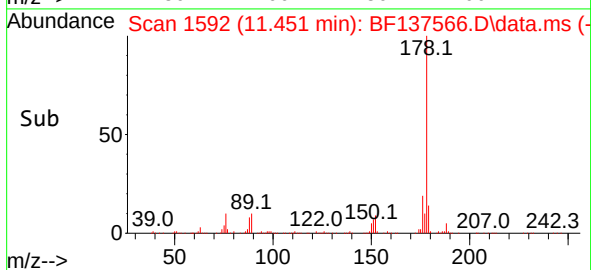
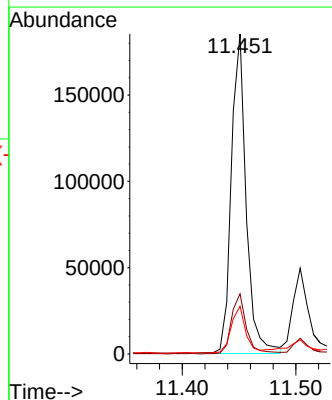
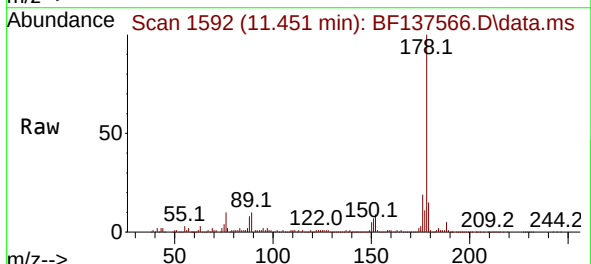
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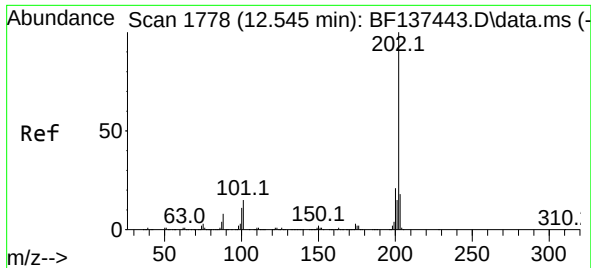
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#71
Phenanthrene
Concen: 5.472 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:178 Resp: 167994
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.9 12.2 18.2





#75
Fluoranthene
Concen: 11.937 ng
RT: 12.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

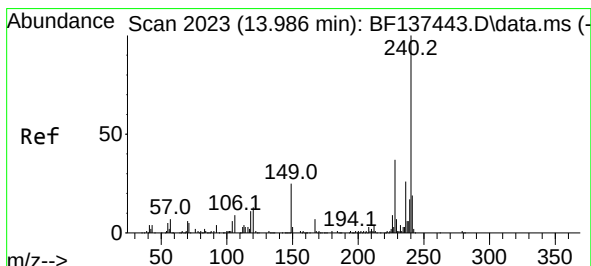
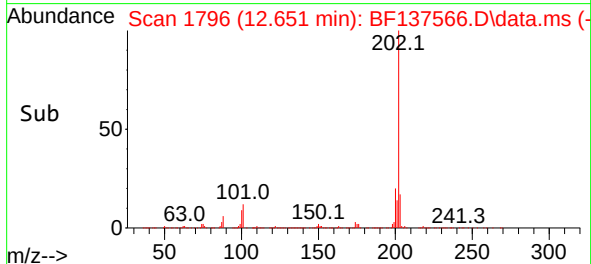
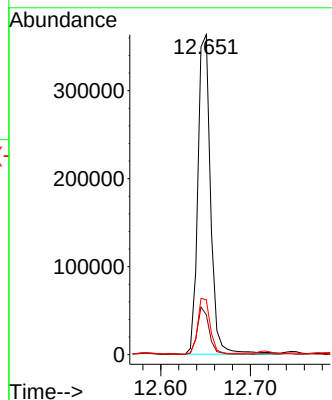
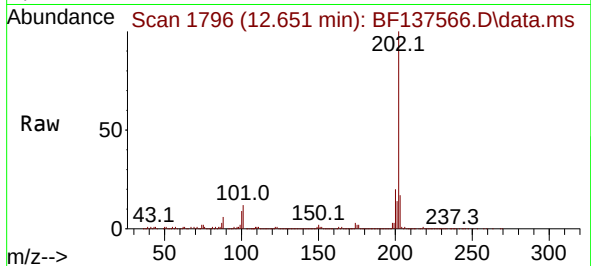
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Ion Ratio Lower Upper
202 100
101 12.5 0.0 35.0
203 17.2 0.0 37.7

Manual Integrations

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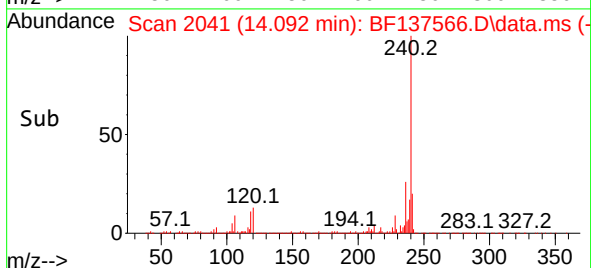
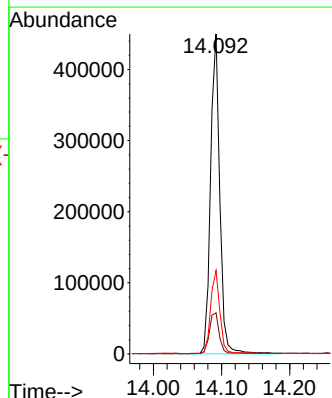
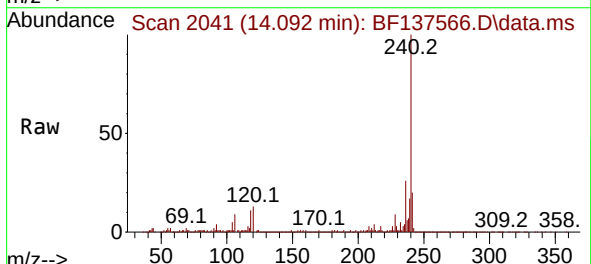
Reviewed By :Yogesh Patel 03/12/2024

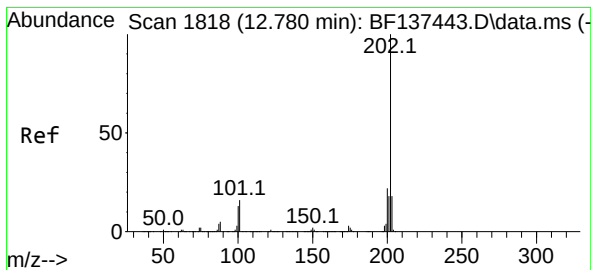
Supervised By :mohammad ahmed 03/12/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:240 Resp: 422779
Ion Ratio Lower Upper
240 100
120 12.8 10.4 15.6
236 26.0 20.9 31.3





#78

Pyrene

Concen: 8.262 ng

RT: 12.880 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

Tgt Ion:202 Resp: 34274

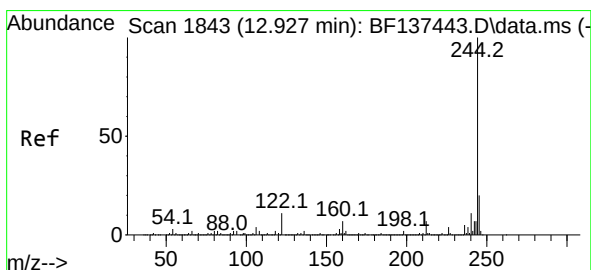
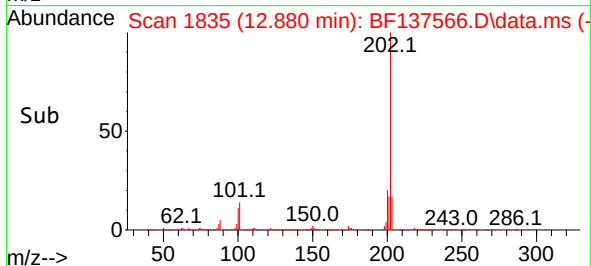
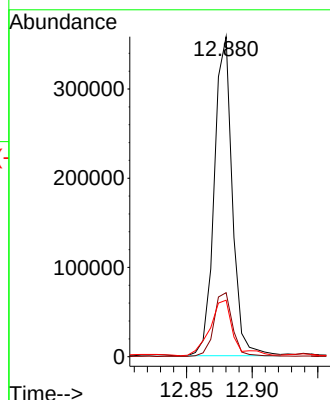
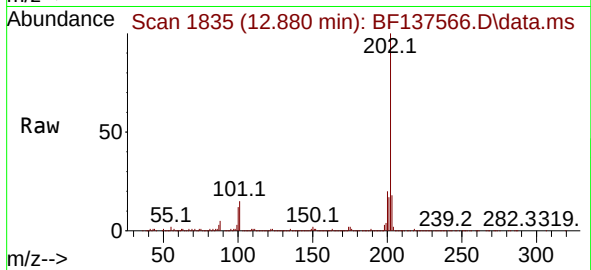
Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.4	26.2
203	17.7	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/12/2024

Supervised By :mohammad ahmed 03/12/2024



#79

Terphenyl-d14

Concen: 42.568 ng

RT: 13.027 min Scan# 1860

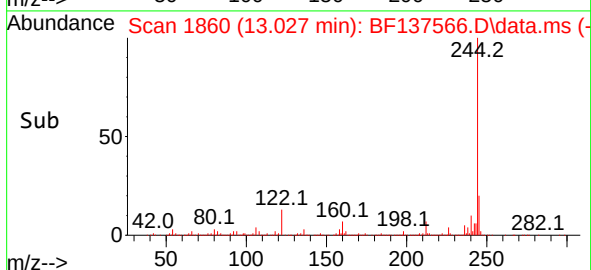
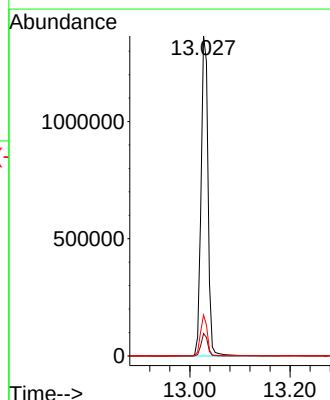
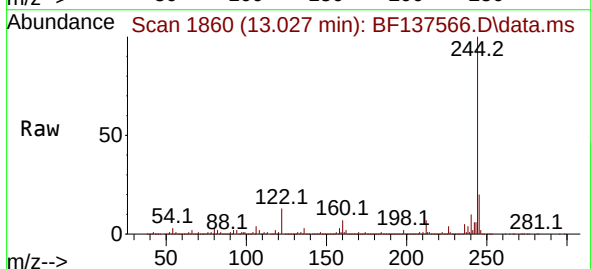
Delta R.T. -0.012 min

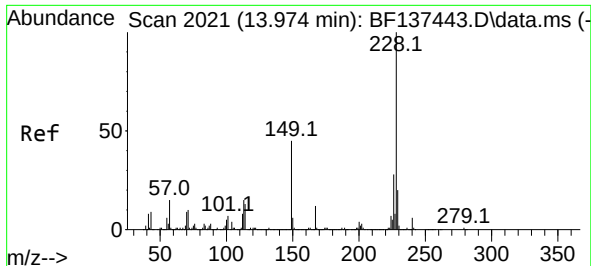
Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Tgt Ion:244 Resp: 1308775

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	12.8	9.1	13.7





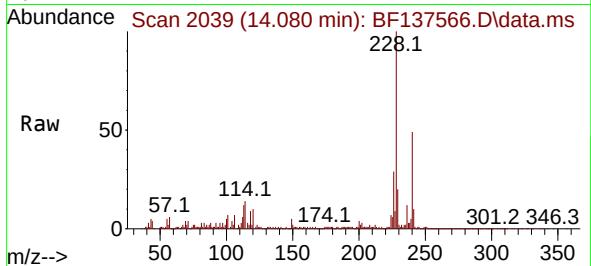
#81
Benzo(a)anthracene
Concen: 6.441 ng
RT: 14.080 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

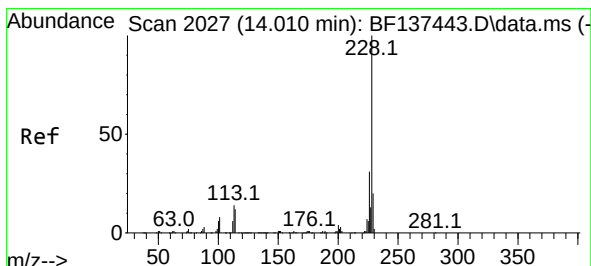
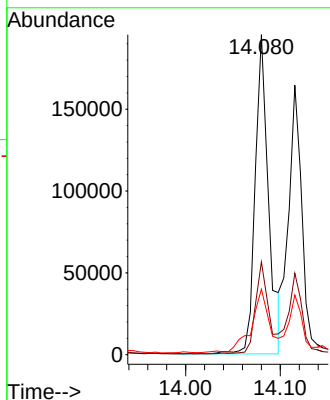
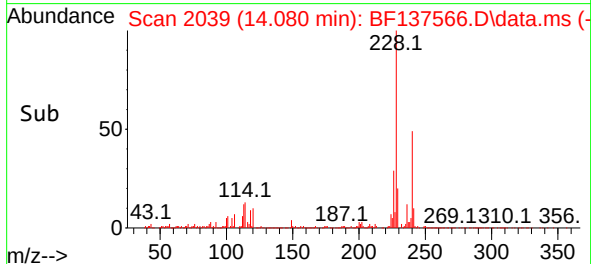


Tgt Ion:228 Resp: 190860
Ion Ratio Lower Upper
228 100
226 29.0 22.3 33.5
229 20.5 16.3 24.5

Manual Integrations

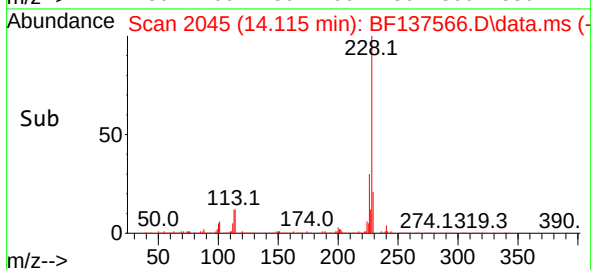
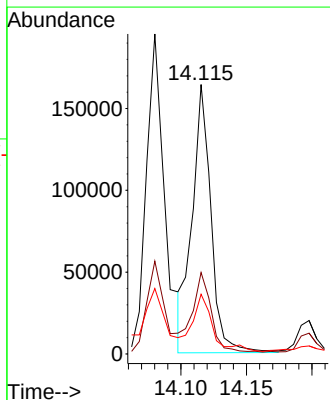
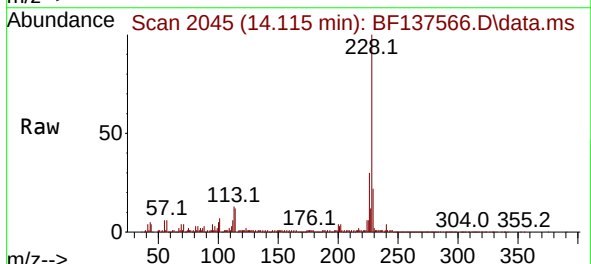
APPROVED

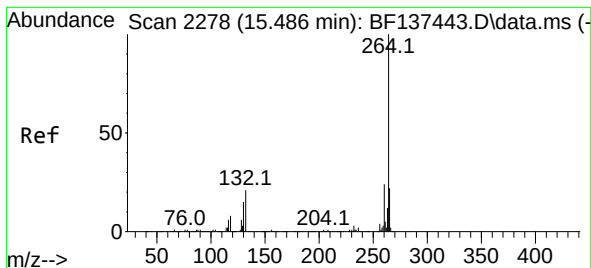
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#83
Chrysene
Concen: 5.478 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.012 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:228 Resp: 164064
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 22.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

Tgt Ion:264 Resp: 358260

Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

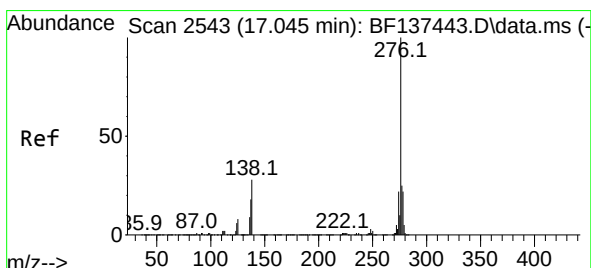
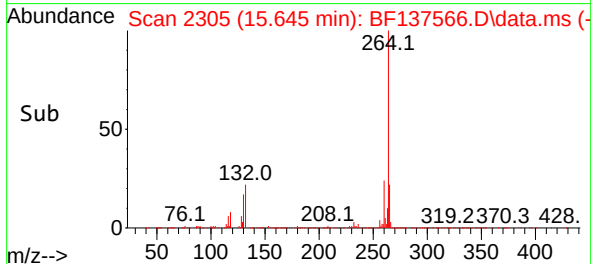
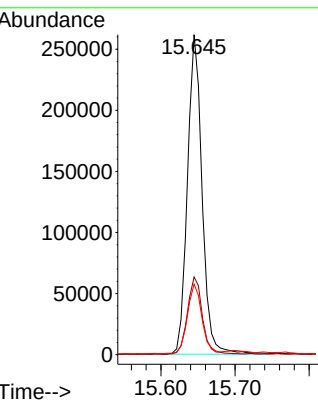
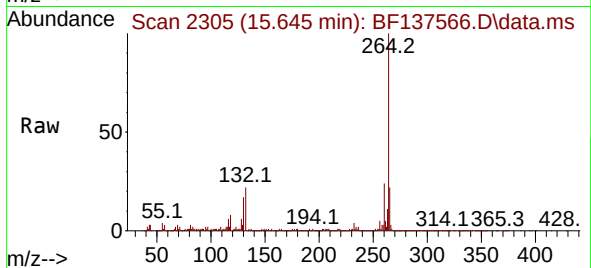
265 22.0 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/12/2024

Supervised By :mohammad ahmed 03/12/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.488 ng

RT: 17.274 min Scan# 2582

Delta R.T. -0.018 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

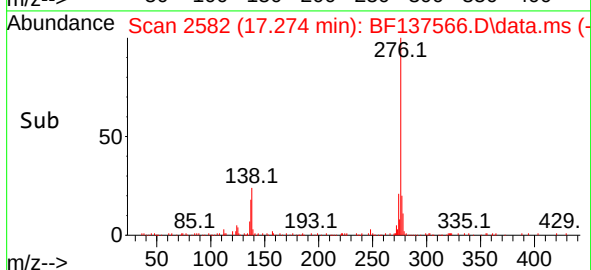
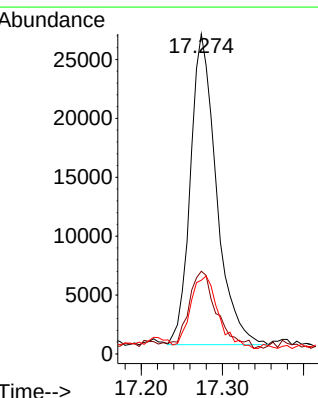
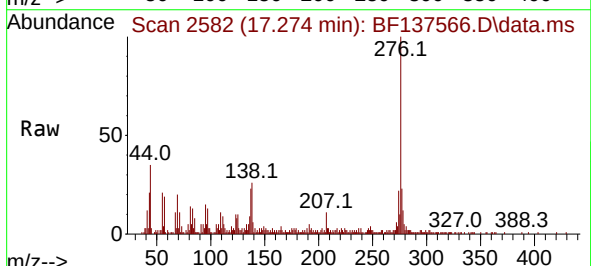
Tgt Ion:276 Resp: 58660

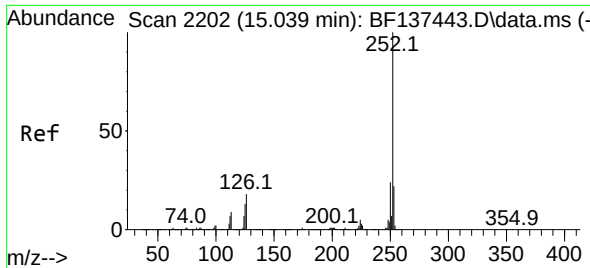
Ion Ratio Lower Upper

276 100

138 27.1 25.8 38.8

277 25.1 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 8.182 ng m
RT: 15.180 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

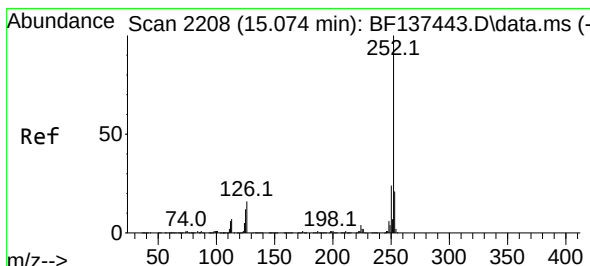
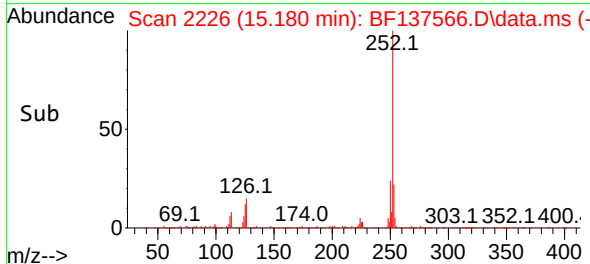
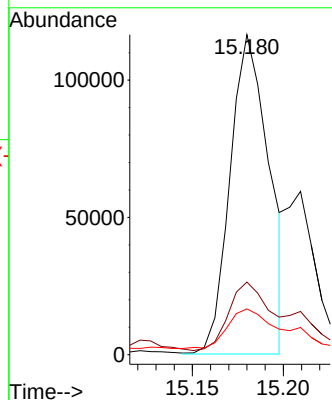
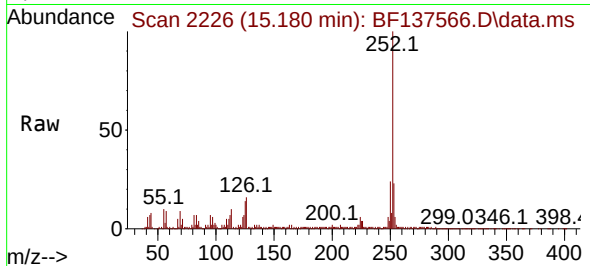
RCA-1-COMP

Tgt Ion:252 Resp: 17340
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 14.3 10.1 15.1

Manual Integrations

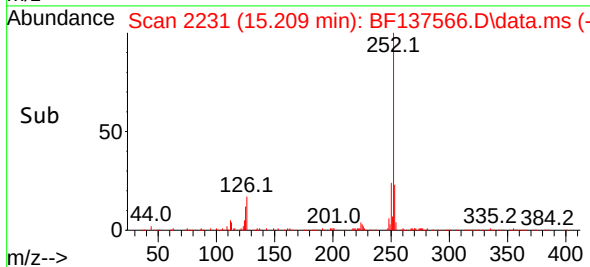
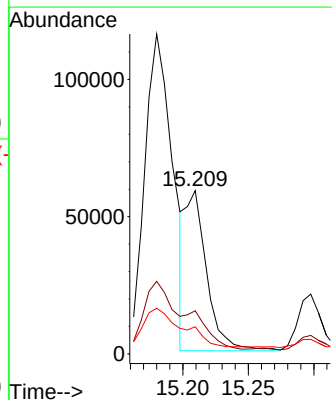
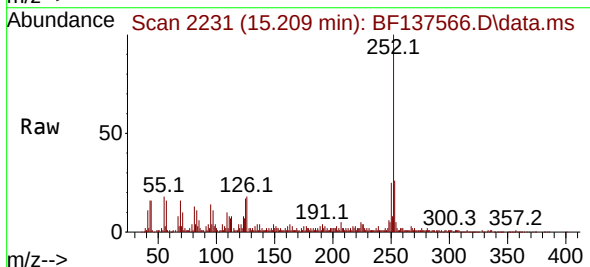
APPROVED

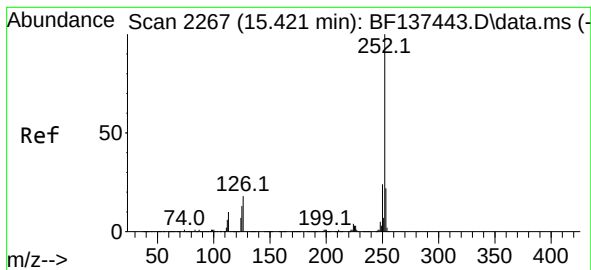
Reviewed By :Yogesh Patel 03/12/2024
Supervised By :mohammad ahmed 03/12/2024



#89
Benzo(k)fluoranthene
Concen: 2.921 ng m
RT: 15.209 min Scan# 2231
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:252 Resp: 66490
Ion Ratio Lower Upper
252 100
253 26.5 17.3 25.9#
125 16.7 9.6 14.4#





#90

Benzo(a)pyrene

Concen: 6.008 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

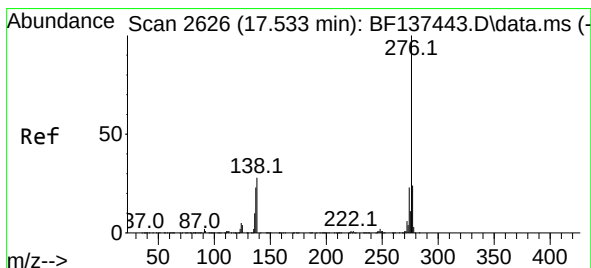
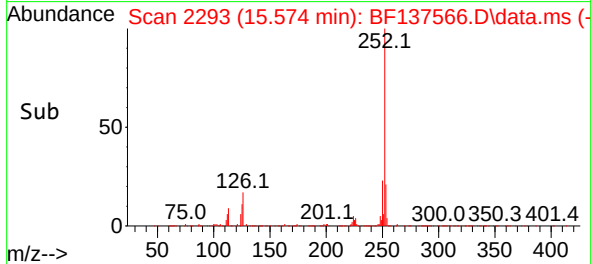
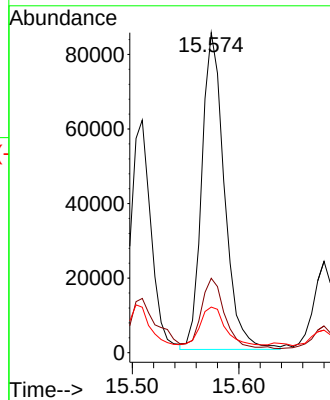
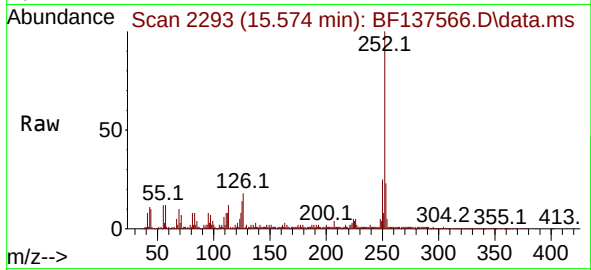
Tgt Ion:	252	Resp:	12546
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.4	26.2
125	14.3	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/12/2024

Supervised By :mohammad ahmed 03/12/2024



#92

Benzo(g,h,i)perylene

Concen: 3.010 ng

RT: 17.768 min Scan# 2666

Delta R.T. -0.024 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Tgt Ion:	276	Resp:	59127
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.4
138	29.2	22.2	33.2

