

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
 Data File : BF137493.D
 Acq On : 04 Mar 2024 21:17
 Operator : CG\JU
 Sample : P1666-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-030124

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/05/2024
 Supervised By :mohammad ahmed 03/05/2024

Quant Time: Mar 04 23:20:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 00:26:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	194710	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	744062	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	374495	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	509154	20.000	ng	0.00
76) Chrysene-d12	14.045	240	365154	20.000	ng	0.00
86) Perylene-d12	15.574	264	289666	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	583520	45.389	ng	-0.01
7) Phenol-d6	6.493	99	822948	44.346	ng	-0.01
23) Nitrobenzene-d5	7.410	82	453933	28.347	ng	-0.02
42) 2,4,6-Tribromophenol	10.681	330	98926	30.080	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	854035	35.698	ng	-0.01
79) Terphenyl-d14	12.980	244	656676	24.729	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.151	128	240922	6.035	ng	98
37) 2-Methylnaphthalene	8.845	142	147349	5.790	ng	95
38) 1-Methylnaphthalene	8.939	142	135621	5.659	ng	98
52) Acenaphthene	9.916	154	177642	8.897	ng	99
55) Dibenzofuran	10.092	168	206187	6.780	ng	99
58) Fluorene	10.439	166	290233	12.427	ng	97
71) Phenanthrene	11.404	178	1173664	42.356	ng	99
72) Anthracene	11.457	178	293329	10.307	ng	98
73) Carbazole	11.616	167	238637	9.789	ng	98
75) Fluoranthene	12.604	202	512142	18.909	ng	97
78) Pyrene	12.833	202	430312	12.010	ng	98
81) Benzo(a)anthracene	14.033	228	148589	5.806	ng	96
83) Chrysene	14.069	228	136587m	5.280	ng	
88) Benzo(b)fluoranthene	15.121	252	110184m	6.430	ng	
89) Benzo(k)fluoranthene	15.145	252	42144m	2.290	ng	
90) Benzo(a)pyrene	15.504	252	76414	4.525	ng	# 82
92) Benzo(g,h,i)perylene	17.633	276	37956	2.390	ng	# 91

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

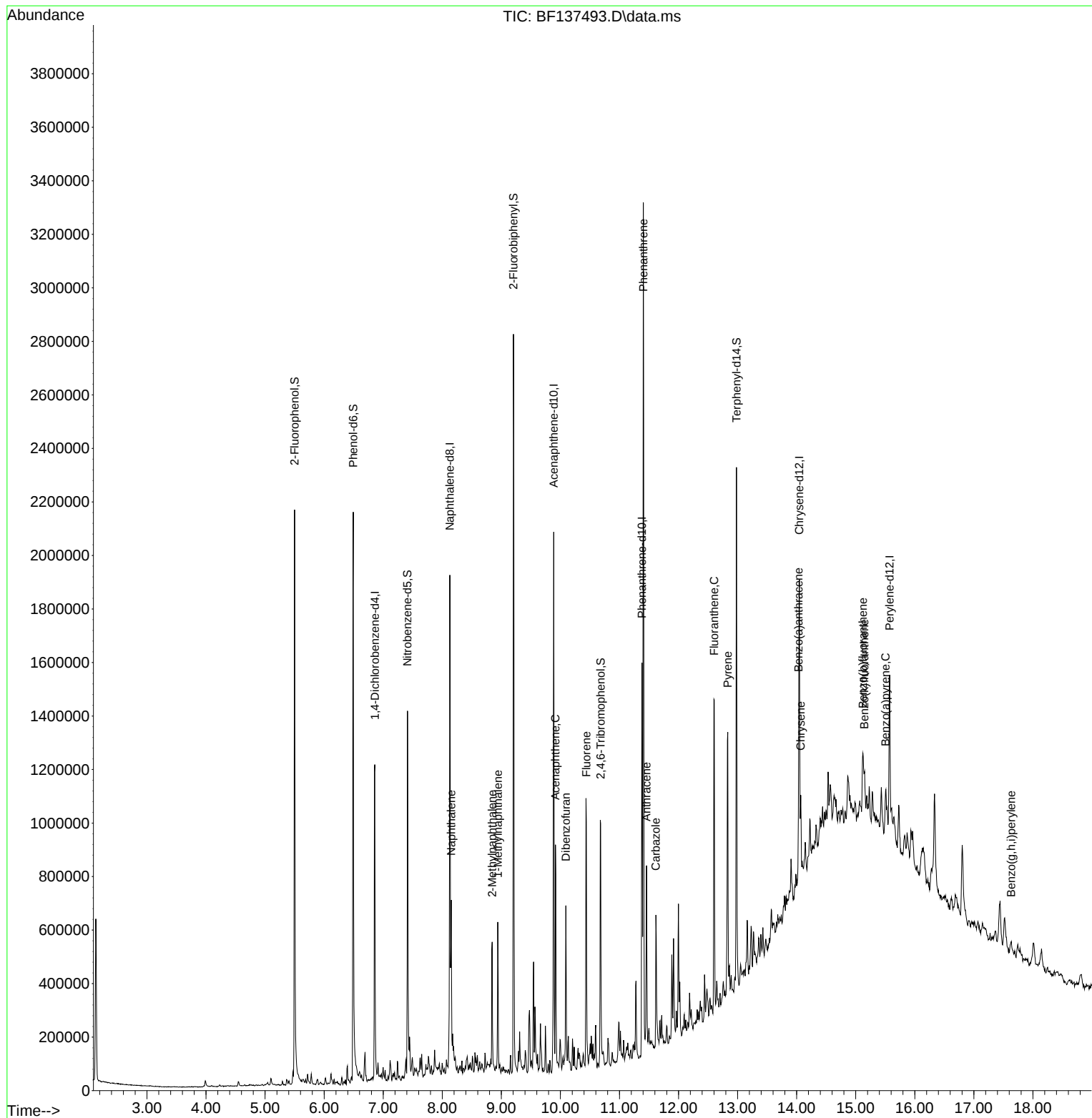
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030424\
Data File : BF137493.D
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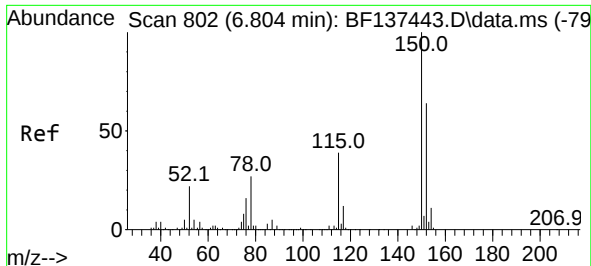
Instrument :
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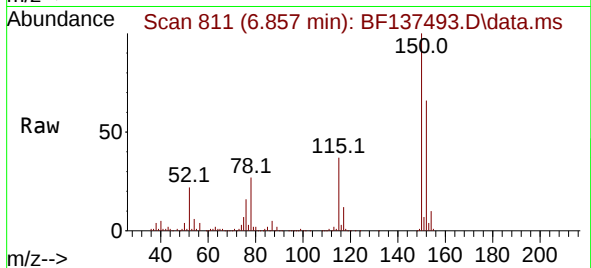
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

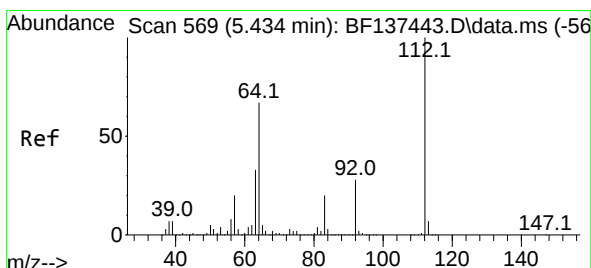
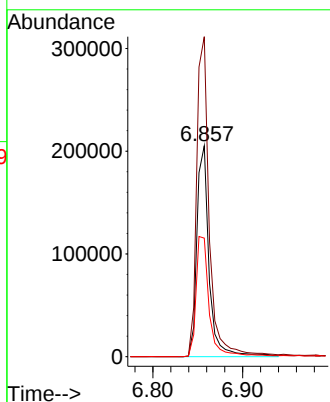
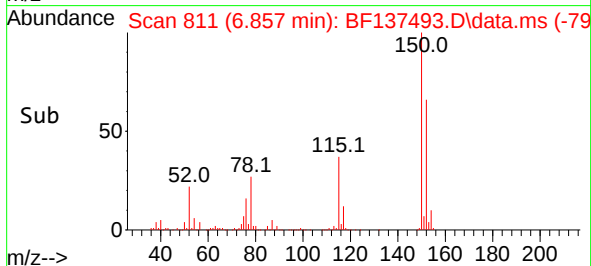
Instrument :
BNA_F
ClientSampleId :
OR-02-030124



Tgt Ion:152 Resp: 194710
Ion Ratio Lower Upper
152 100
150 151.7 125.8 188.6
115 56.2 48.8 73.2

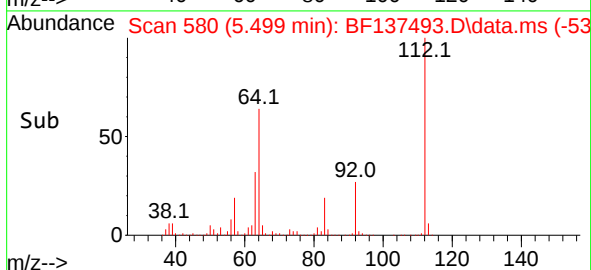
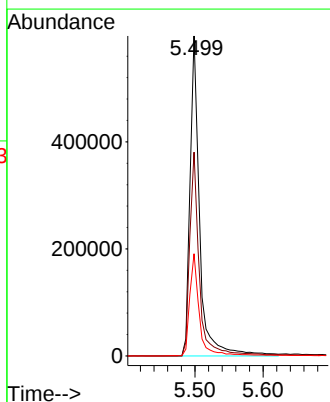
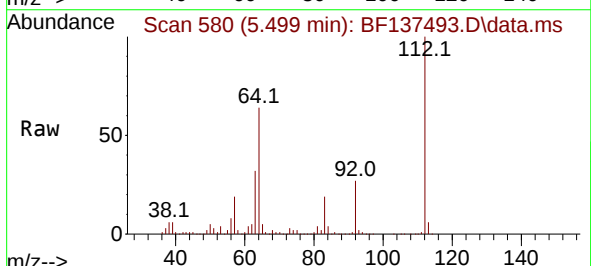
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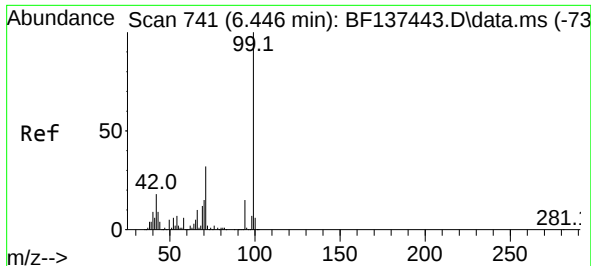
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#5
2-Fluorophenol
Concen: 45.389 ng
RT: 5.499 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

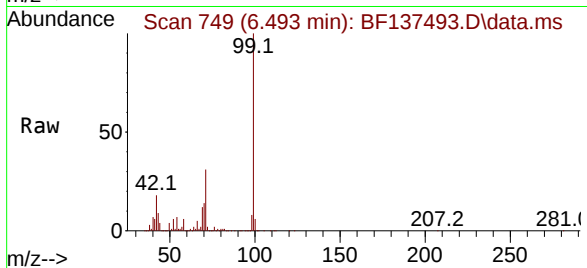
Tgt Ion:112 Resp: 583520
Ion Ratio Lower Upper
112 100
64 63.7 53.4 80.2
63 32.0 26.2 39.2





#7
Phenol-d6
Concen: 44.346 ng
RT: 6.493 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

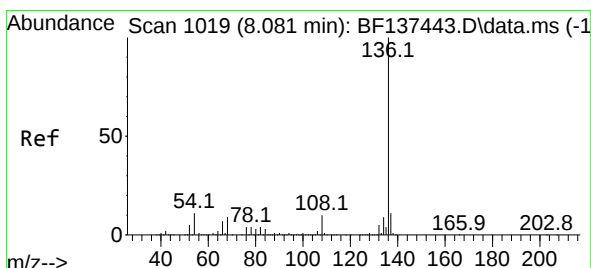
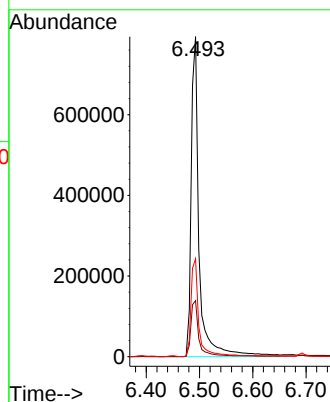
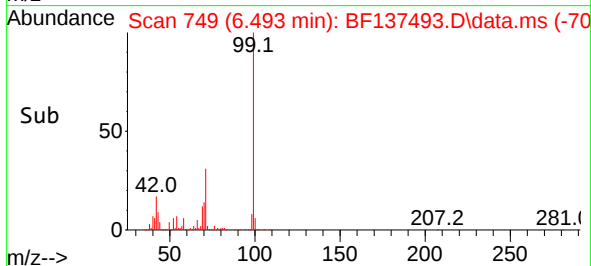
Instrument :
BNA_F
ClientSampleId :
OR-02-030124



Tgt Ion: 99 Resp: 822948
Ion Ratio Lower Upper
99 100
42 17.5 14.6 21.8
71 30.6 25.3 37.9

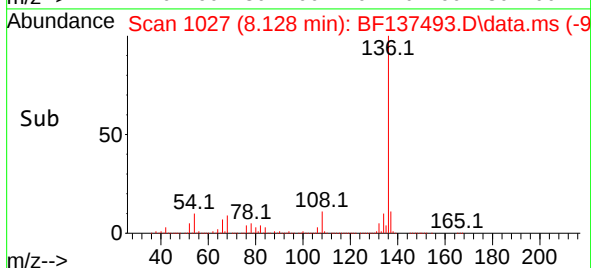
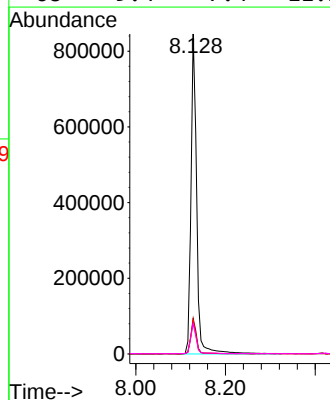
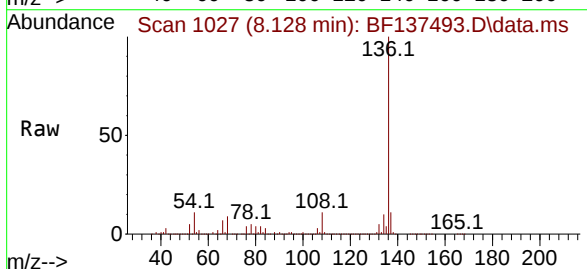
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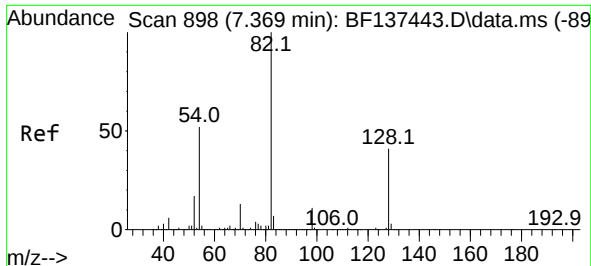
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

Tgt Ion:136 Resp: 744062
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 10.6 8.5 12.7
68 9.4 7.4 11.2





#23

Nitrobenzene-d5

Concen: 28.347 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.017 min

Lab File: BF137493.D

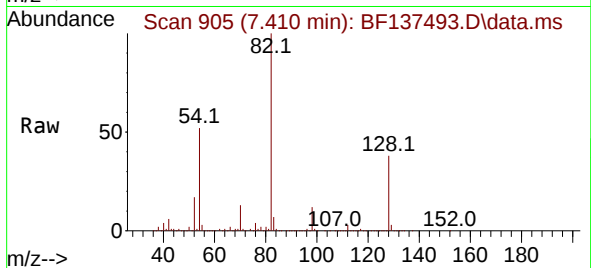
Acq: 04 Mar 2024 21:17

Instrument :

BNA_F

ClientSampleId :

OR-02-030124



Tgt Ion: 82 Resp: 45393

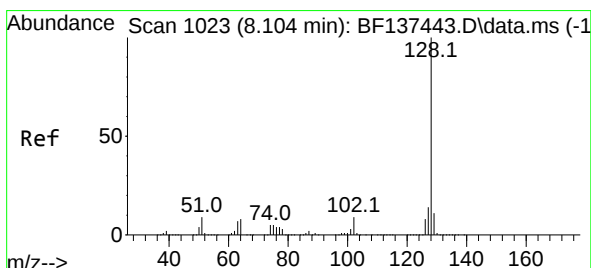
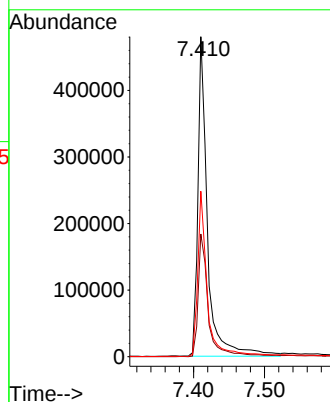
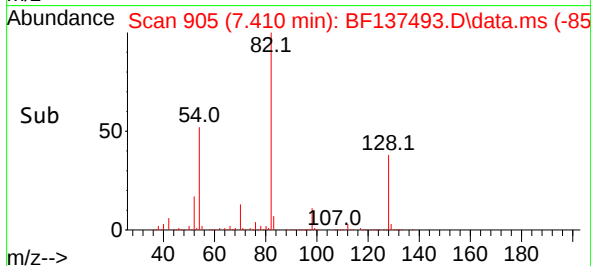
Ion	Ratio	Lower	Upper
82	100		
128	38.3	32.5	48.7
54	51.7	41.5	62.3

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#31

Naphthalene

Concen: 6.035 ng

RT: 8.151 min Scan# 1031

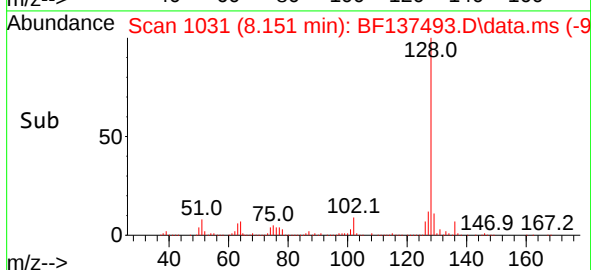
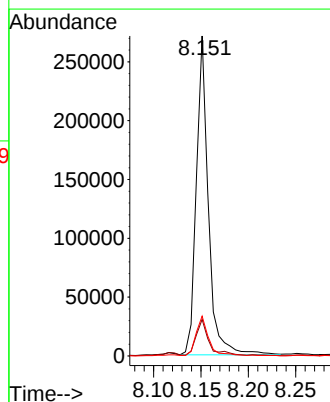
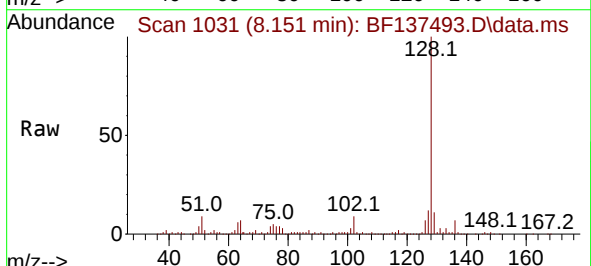
Delta R.T. -0.006 min

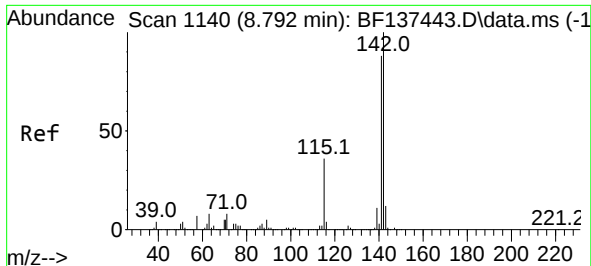
Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

Tgt Ion:128 Resp: 240922

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	12.5	10.8	16.2





#37

2-Methylnaphthalene

Concen: 5.790 ng

RT: 8.845 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

Instrument :

BNA_F

ClientSampleId :

OR-02-030124

Tgt Ion:142 Resp: 147349

Ion Ratio Lower Upper

142 100

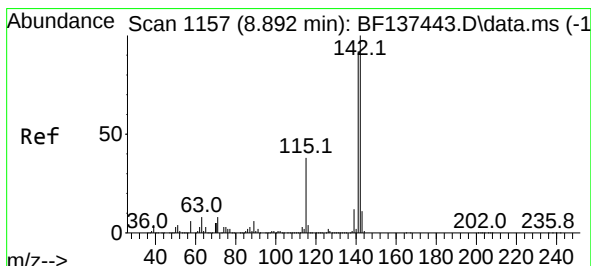
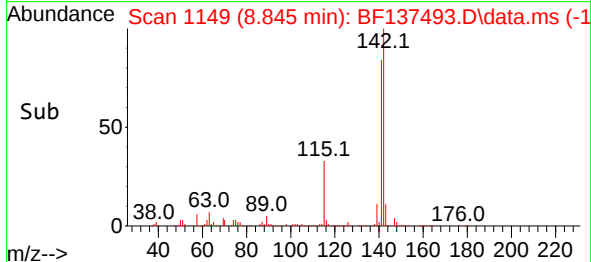
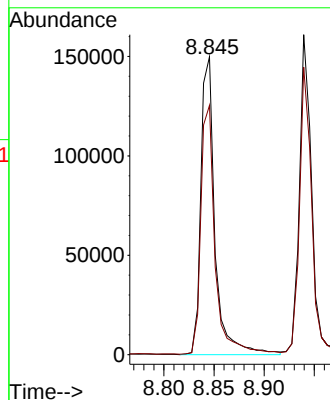
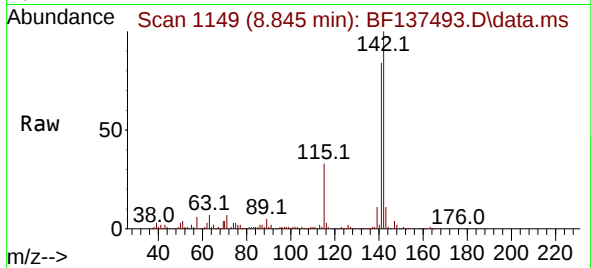
141 83.7 70.4 105.6

Manual Integrations

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Supervised By :mohammad ahmed 03/05/2024



#38

1-Methylnaphthalene

Concen: 5.659 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF137493.D

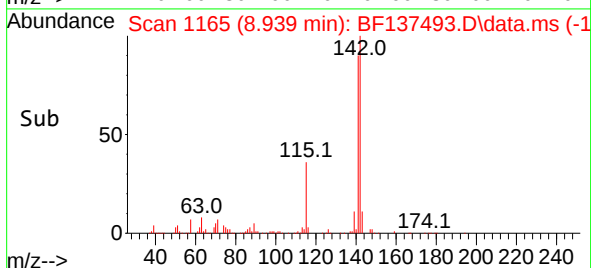
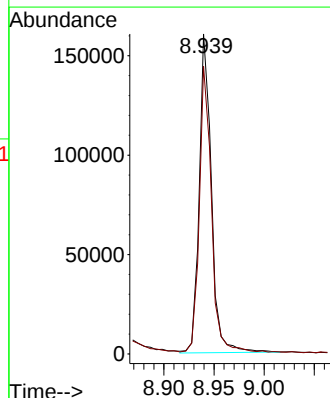
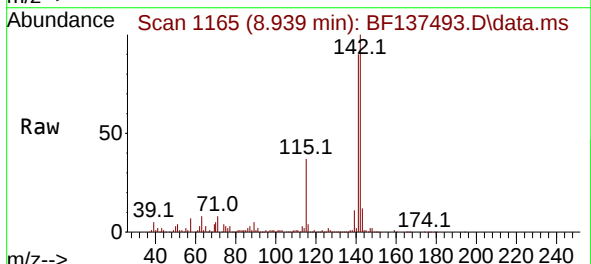
Acq: 04 Mar 2024 21:17

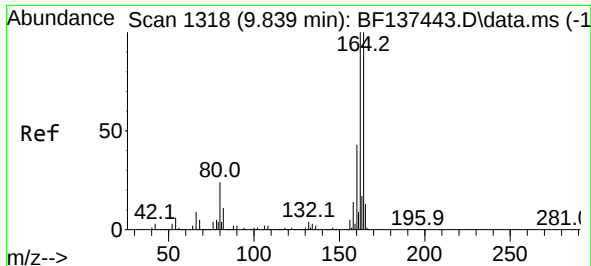
Tgt Ion:142 Resp: 135621

Ion Ratio Lower Upper

142 100

141 89.9 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137493.D

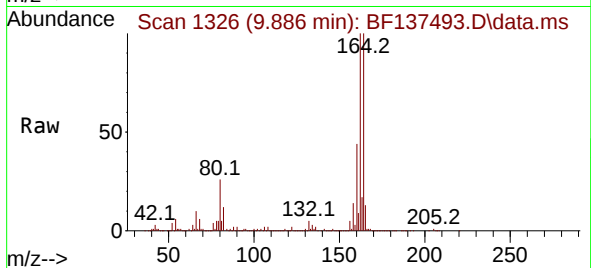
Acq: 04 Mar 2024 21:17

Instrument :

BNA_F

ClientSampleId :

OR-02-030124



Tgt Ion:164 Resp: 374495

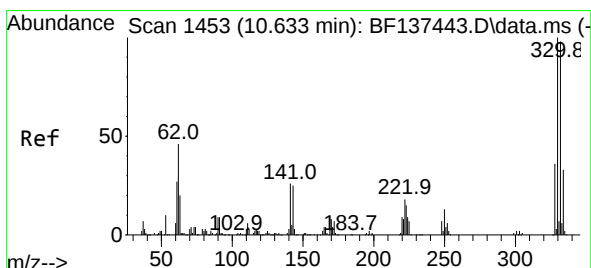
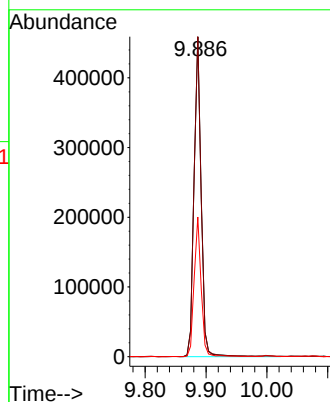
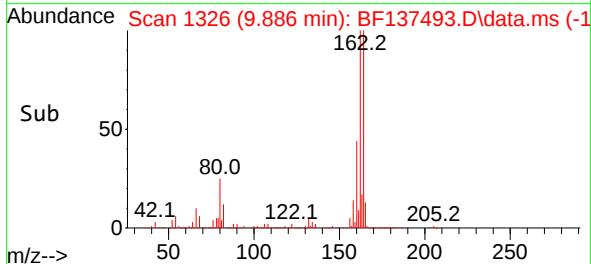
Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.8	119.8
160	43.7	34.4	51.6

Manual Integrations

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Supervised By :mohammad ahmed 03/05/2024



#42

2,4,6-Tribromophenol

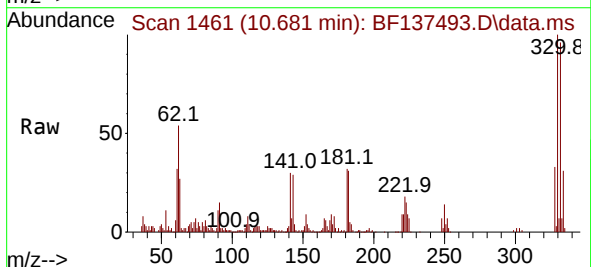
Concen: 30.080 ng

RT: 10.681 min Scan# 1461

Delta R.T. -0.012 min

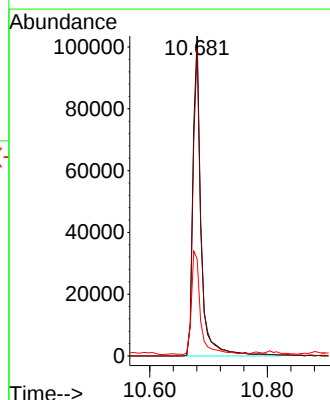
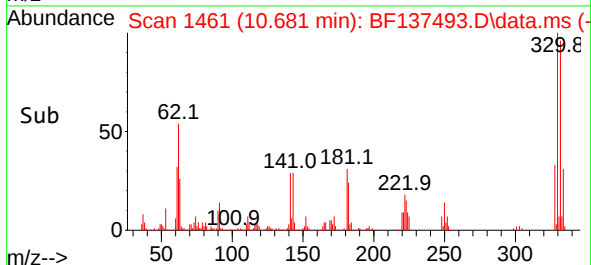
Lab File: BF137493.D

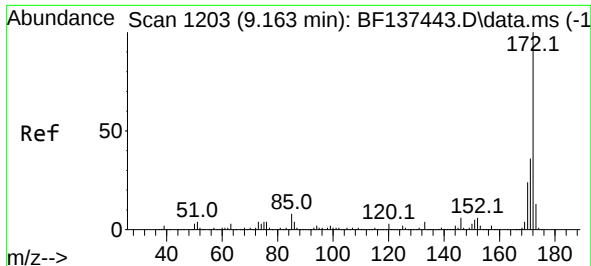
Acq: 04 Mar 2024 21:17



Tgt Ion:330 Resp: 98926

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	36.1	27.3	40.9





#45

2-Fluorobiphenyl

Concen: 35.698 ng

RT: 9.204 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

Instrument :

BNA_F

ClientSampleId :

OR-02-030124

Tgt Ion:172 Resp: 85403

Ion Ratio Lower Upper

172 100

171 34.9 28.5 42.7

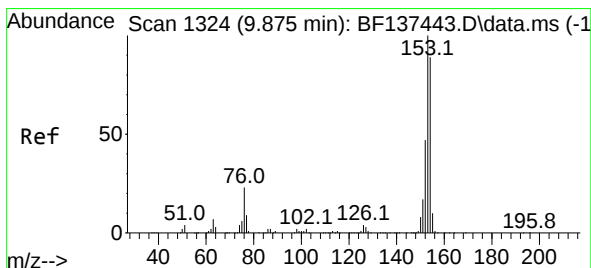
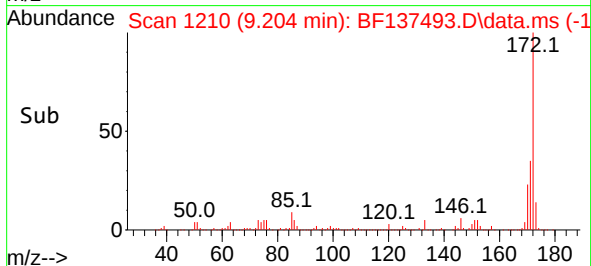
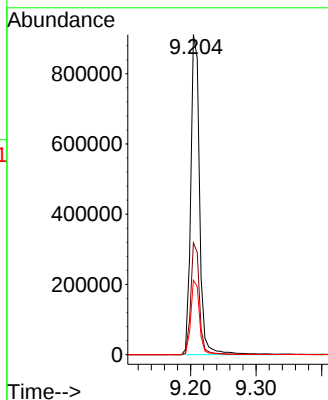
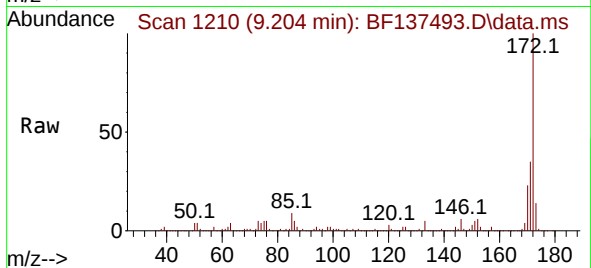
170 23.3 19.0 28.6

Manual Integrations

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Supervised By :mohammad ahmed 03/05/2024



#52

Acenaphthene

Concen: 8.897 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.012 min

Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

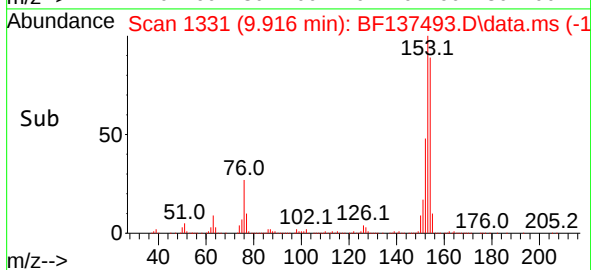
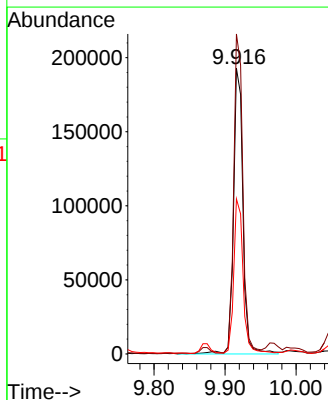
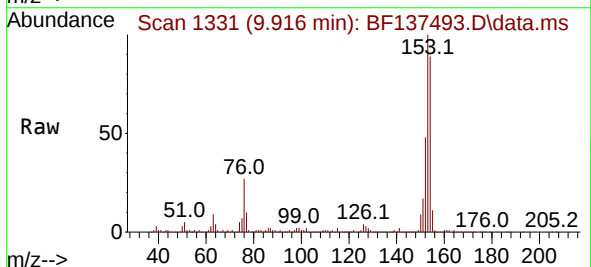
Tgt Ion:154 Resp: 177642

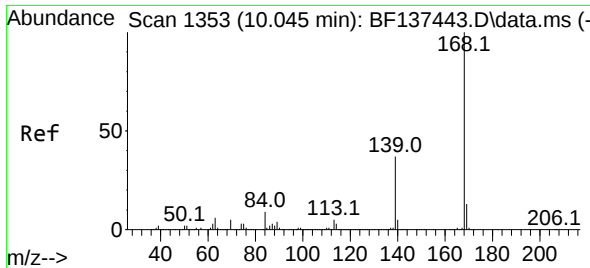
Ion Ratio Lower Upper

154 100

153 112.1 90.3 135.5

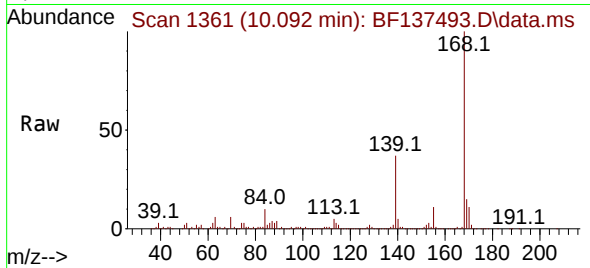
152 54.3 42.7 64.1





#55
Dibenzenofuran
Concen: 6.780 ng
RT: 10.092 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

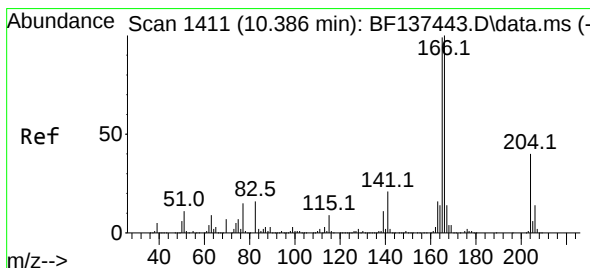
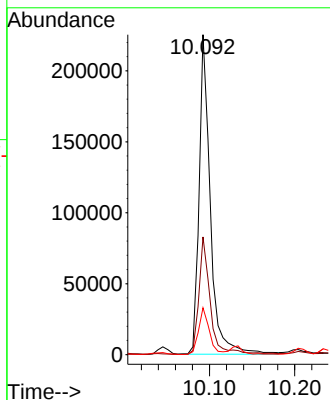
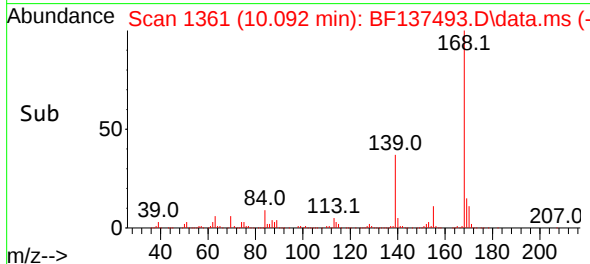
Instrument :
BNA_F
ClientSampleId :
OR-02-030124



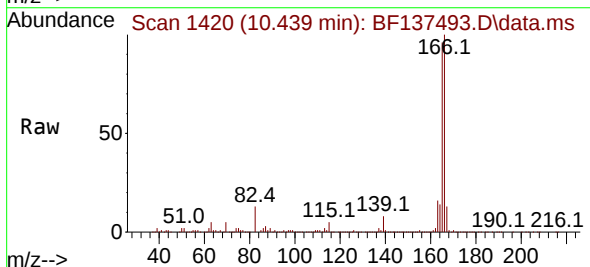
Tgt Ion:168 Resp: 20618
Ion Ratio Lower Upper
168 100
139 36.8 29.8 44.6
169 14.6 10.8 16.2

Manual Integrations
APPROVED

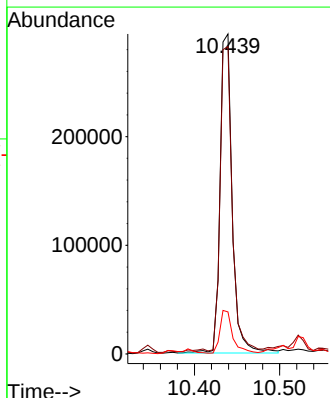
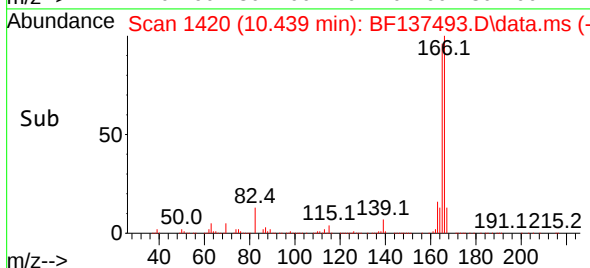
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024

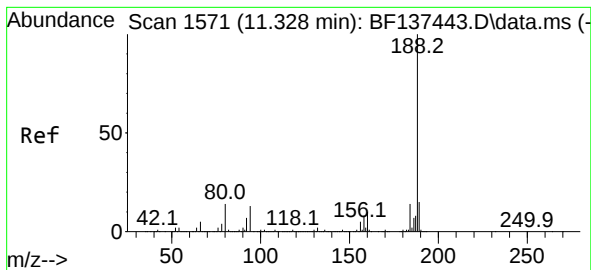


#58
Fluorene
Concen: 12.427 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17



Tgt Ion:166 Resp: 290233
Ion Ratio Lower Upper
166 100
165 96.0 79.2 118.8
167 13.2 11.0 16.6





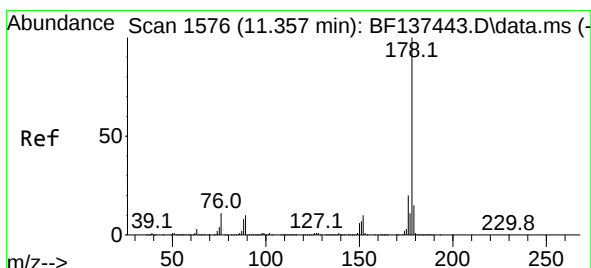
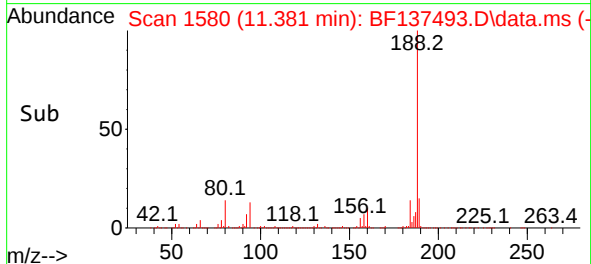
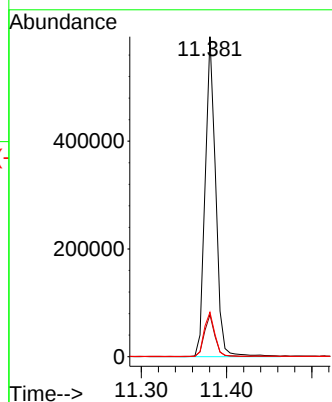
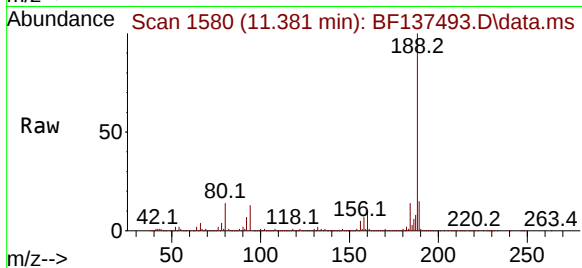
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

Instrument :
BNA_F
ClientSampleId :
OR-02-030124

Tgt Ion:188 Resp: 509154
Ion Ratio Lower Upper
188 100
94 13.1 10.6 15.8
80 13.9 11.5 17.3

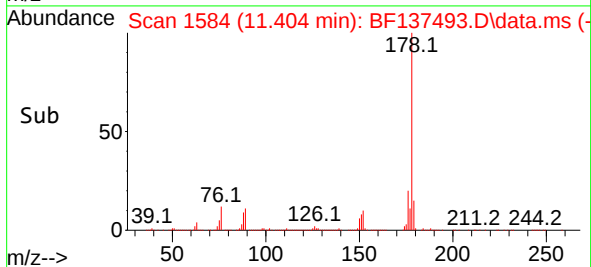
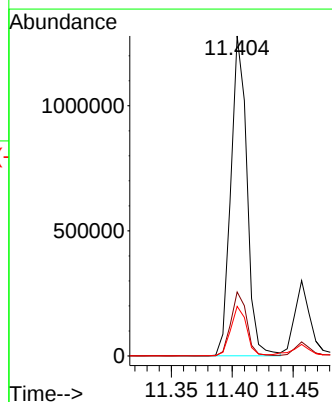
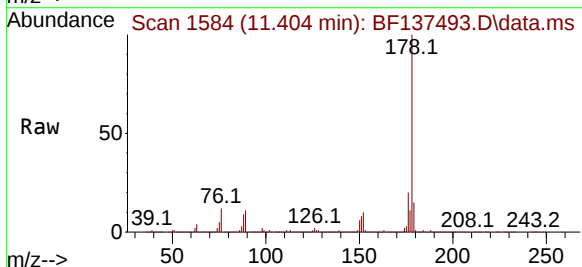
Manual Integrations
APPROVED

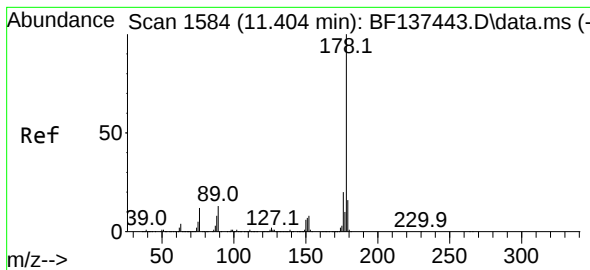
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#71
Phenanthrene
Concen: 42.356 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

Tgt Ion:178 Resp: 1173664
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.8
179 15.5 12.2 18.2





#72

Anthracene

Concen: 10.307 ng

RT: 11.457 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

Instrument :

BNA_F

ClientSampleId :

OR-02-030124

Tgt Ion:178 Resp: 293329

Ion Ratio Lower Upper

178 100

176 18.6 15.7 23.5

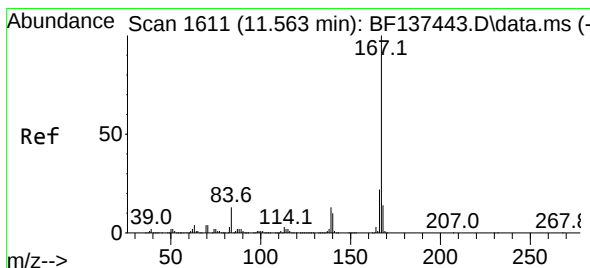
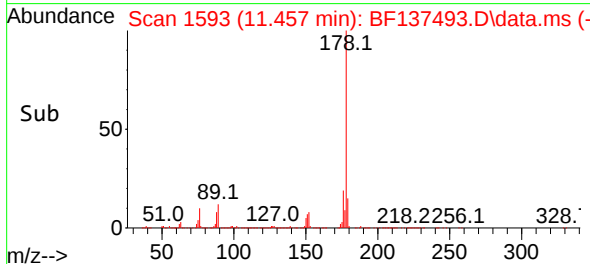
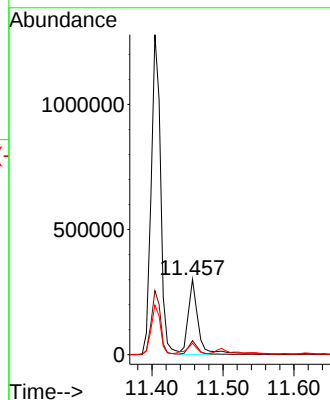
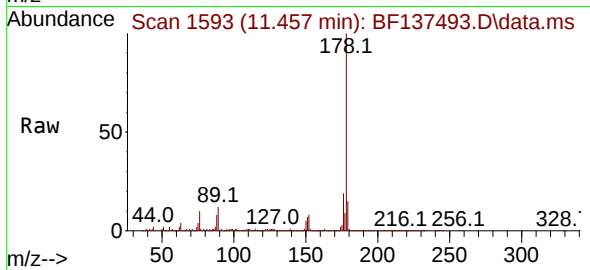
179 15.3 12.7 19.1

Manual Integrations

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Reviewed By :Yogesh Patel 03/05/2024

Supervised By :mohammad ahmed 03/05/2024



#73

Carbazole

Concen: 9.789 ng

RT: 11.616 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

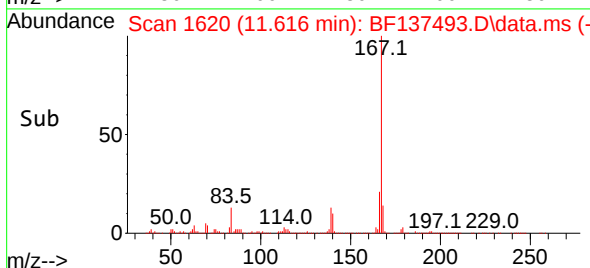
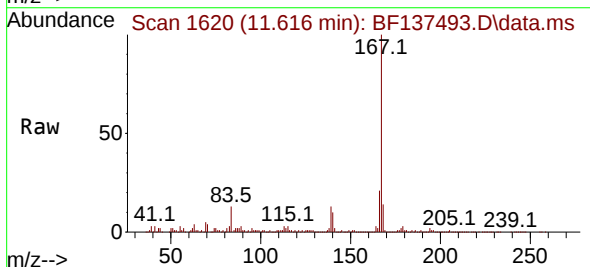
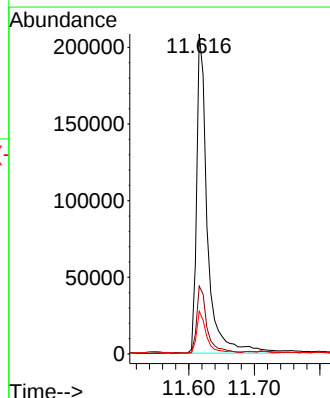
Tgt Ion:167 Resp: 238637

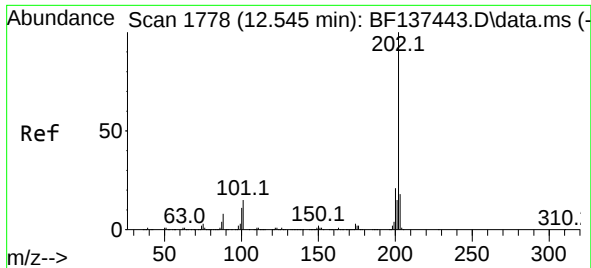
Ion Ratio Lower Upper

167 100

166 21.2 17.8 26.8

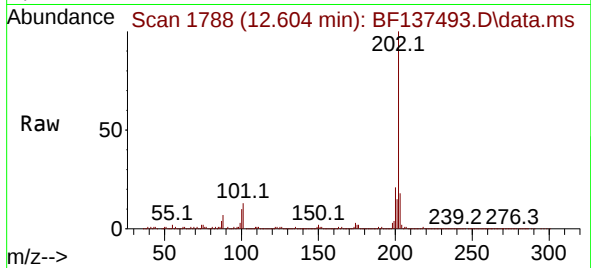
139 13.4 10.5 15.7





#75
Fluoranthene
Concen: 18.909 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

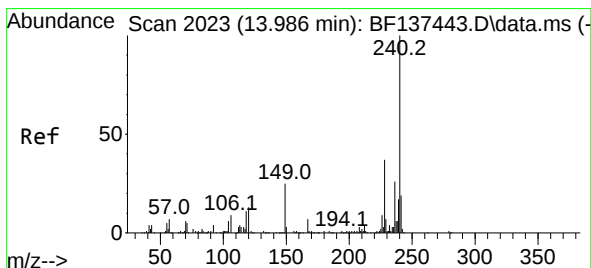
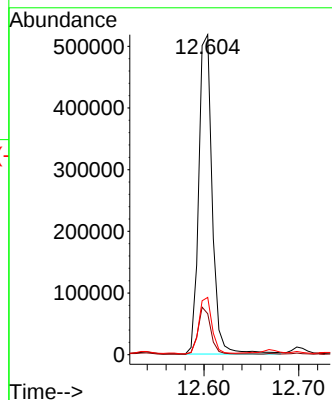
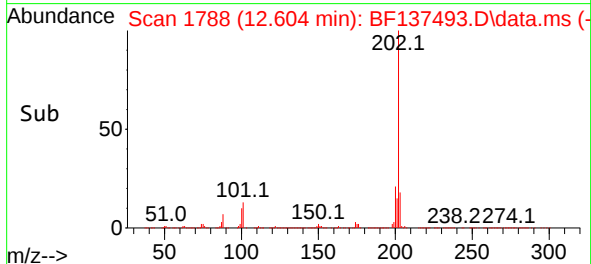
Instrument :
BNA_F
ClientSampleId :
OR-02-030124



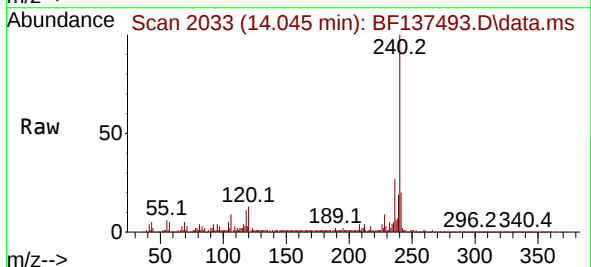
Tgt Ion:202 Resp: 51214
Ion Ratio Lower Upper
202 100
101 12.8 0.0 35.0
203 17.9 0.0 37.7

Manual Integrations
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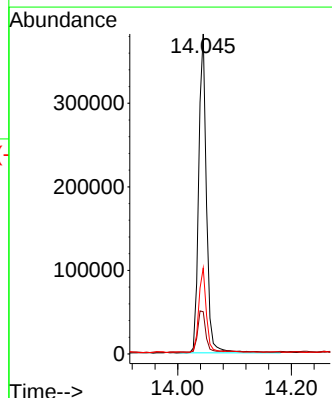
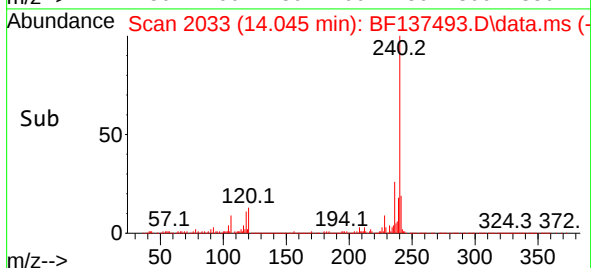
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024

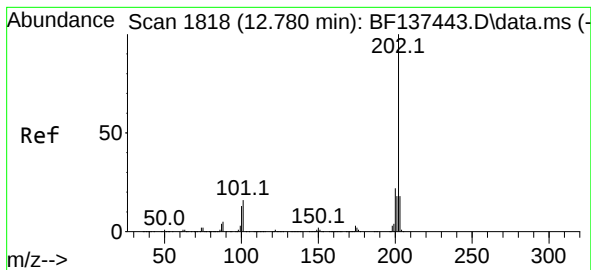


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17



Tgt Ion:240 Resp: 365154
Ion Ratio Lower Upper
240 100
120 13.2 10.4 15.6
236 26.9 20.9 31.3





#78

Pyrene

Concen: 12.010 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

Instrument :

BNA_F

ClientSampleId :

OR-02-030124

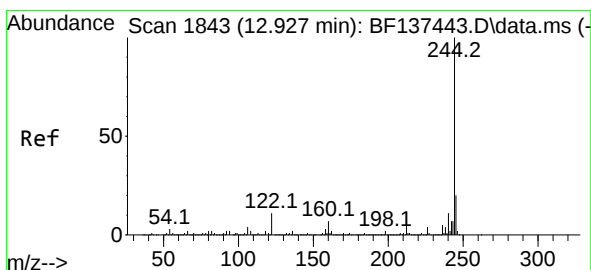
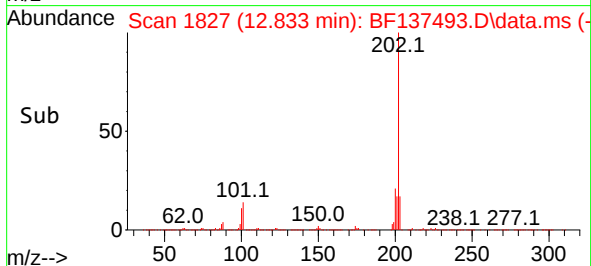
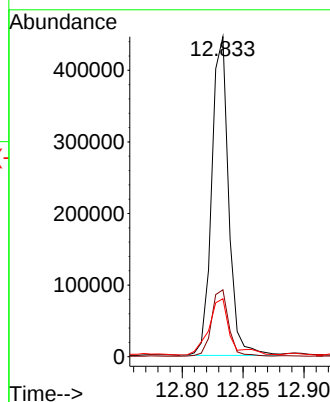
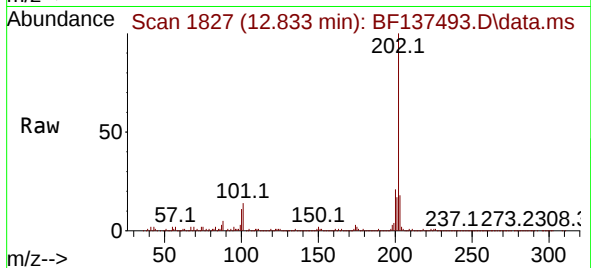
Tgt Ion:	202	Resp:	43031
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	18.1	14.1	21.1

Manual Integrations

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Reviewed By :Yogesh Patel 03/05/2024

Supervised By :mohammad ahmed 03/05/2024



#79

Terphenyl-d14

Concen: 24.729 ng

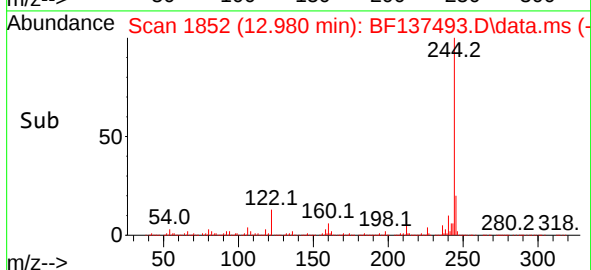
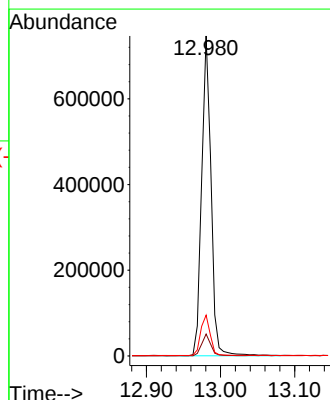
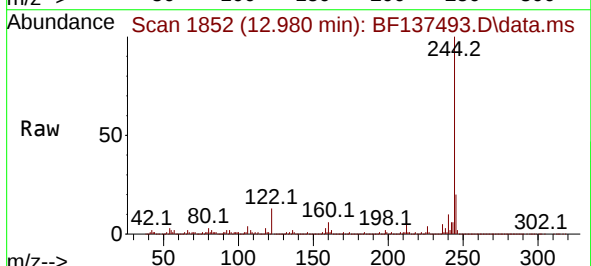
RT: 12.980 min Scan# 1852

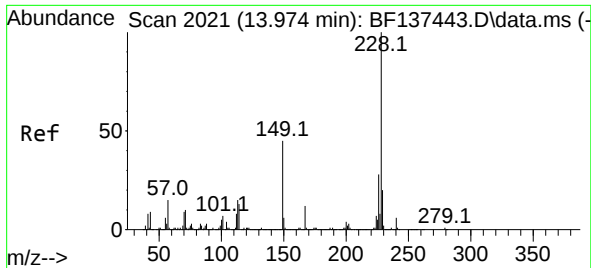
Delta R.T. -0.012 min

Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

Tgt Ion:	244	Resp:	656676
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.2
122	12.7	9.1	13.7





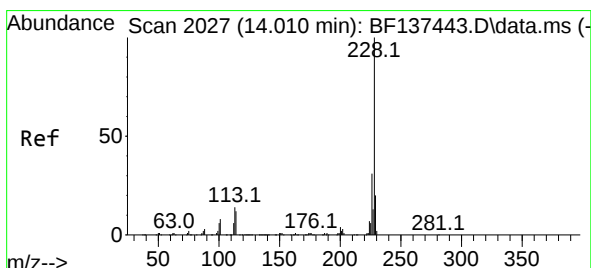
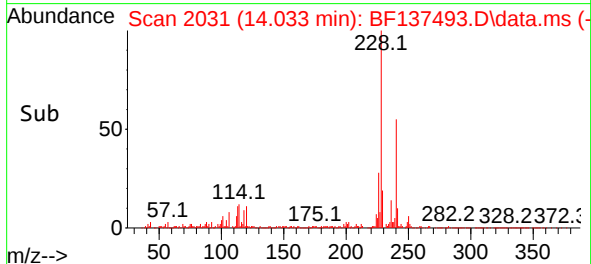
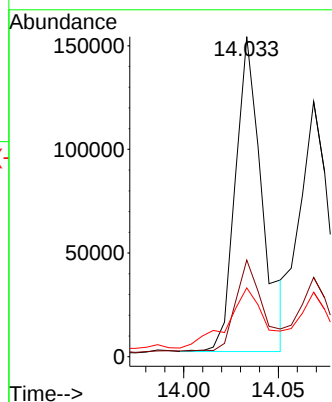
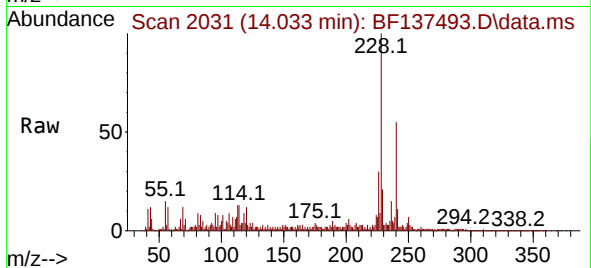
#81
Benzo(a)anthracene
Concen: 5.806 ng
RT: 14.033 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

Instrument :
BNA_F
ClientSampleId :
OR-02-030124

Tgt Ion:228 Resp: 148589
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 21.5 16.3 24.5

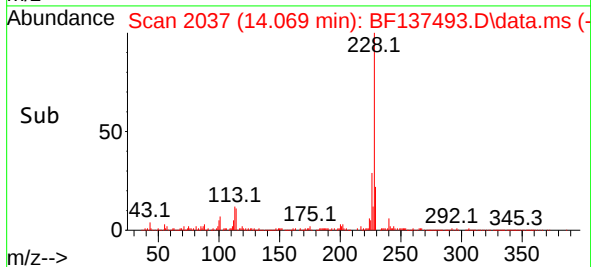
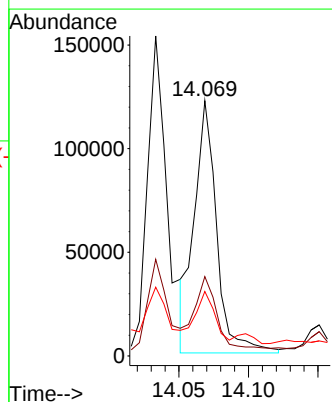
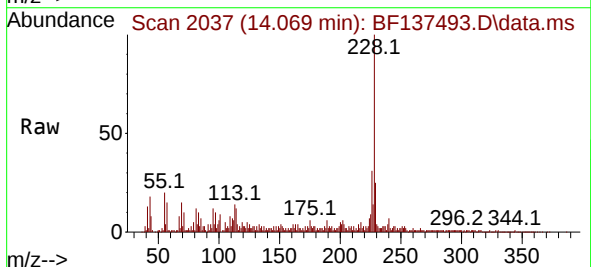
Manual Integrations
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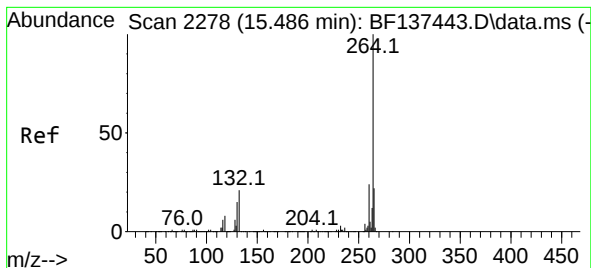
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024



#83
Chrysene
Concen: 5.280 ng m
RT: 14.069 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

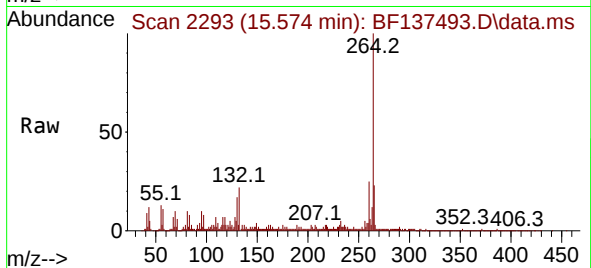
Tgt Ion:228 Resp: 136587
Ion Ratio Lower Upper
228 100
226 31.1 24.7 37.1
229 25.3 15.9 23.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

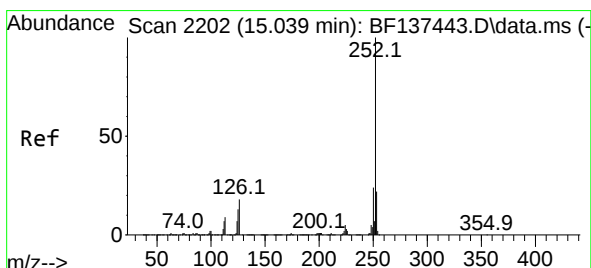
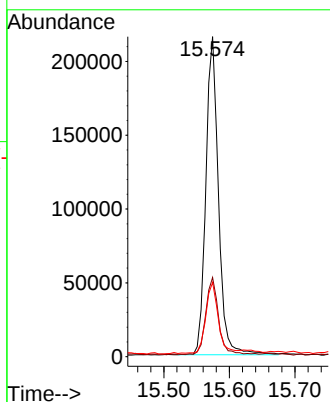
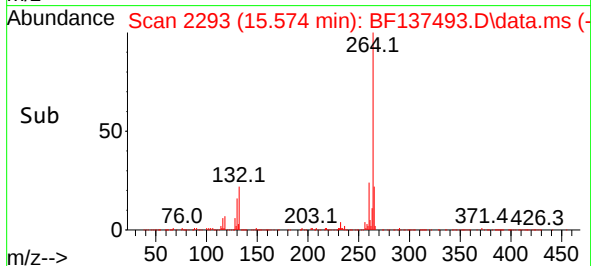
Instrument :
BNA_F
ClientSampleId :
OR-02-030124



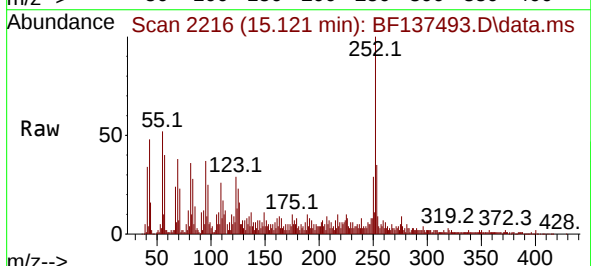
Tgt Ion:264 Resp: 289660
Ion Ratio Lower Upper
264 100
260 24.8 19.3 28.9
265 23.2 17.4 26.0

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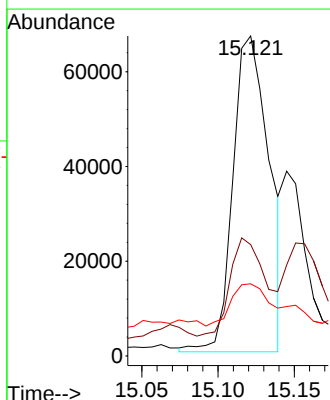
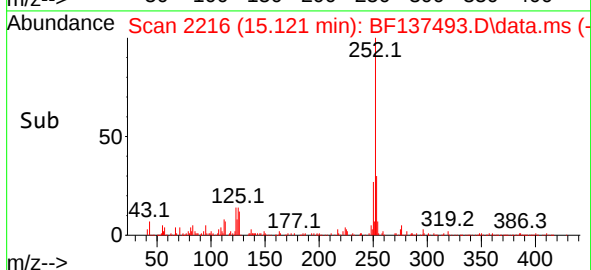
Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024

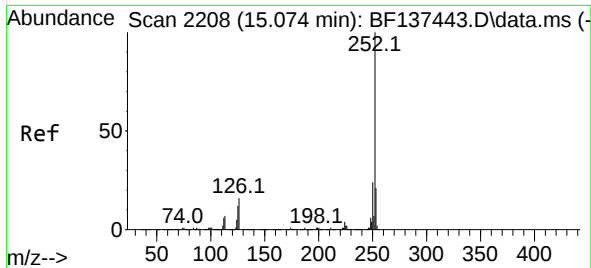


#88
Benzo(b)fluoranthene
Concen: 6.430 ng m
RT: 15.121 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17



Tgt Ion:252 Resp: 110184
Ion Ratio Lower Upper
252 100
253 34.8 17.8 26.8#
125 22.6 10.1 15.1#





#89

Benzo(k)fluoranthene

Concen: 2.290 ng m

RT: 15.145 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

Instrument :

BNA_F

ClientSampleId :

OR-02-030124

Tgt Ion:252 Resp: 42144

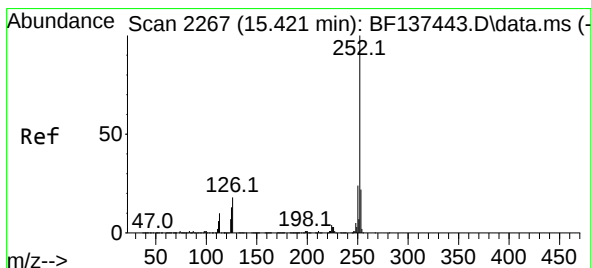
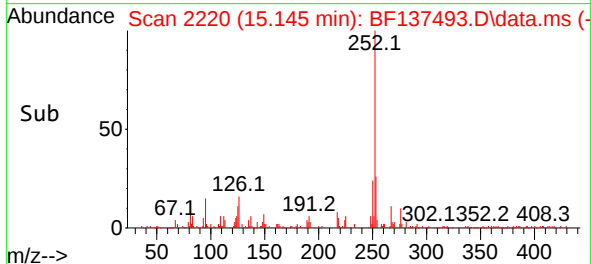
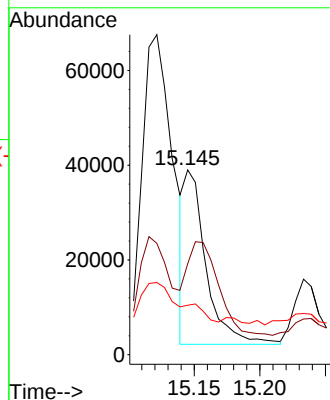
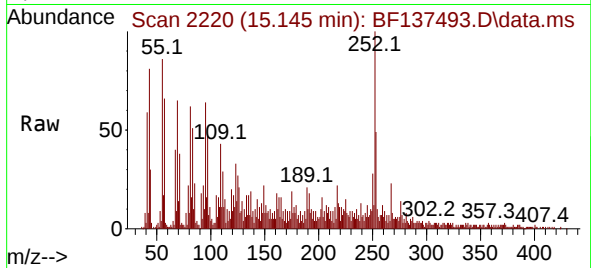
Ion	Ratio	Lower	Upper
252	100		
253	49.2	17.3	25.9
125	26.7	9.6	14.4

Manual Integrations

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Reviewed By :Yogesh Patel 03/05/2024

Supervised By :mohammad ahmed 03/05/2024



#90

Benzo(a)pyrene

Concen: 4.525 ng

RT: 15.504 min Scan# 2281

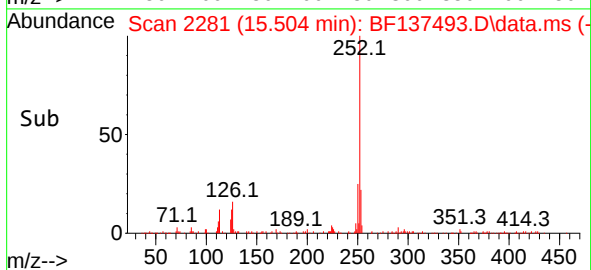
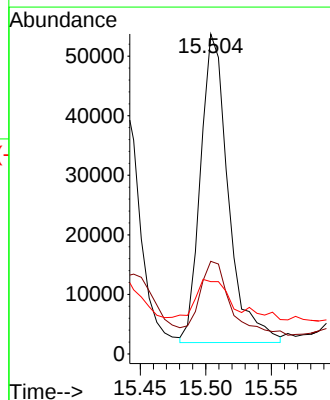
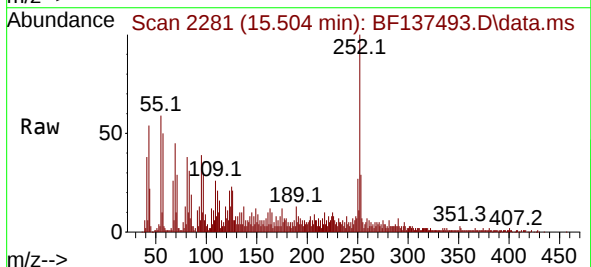
Delta R.T. 0.000 min

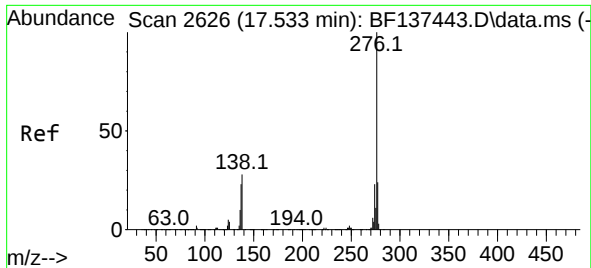
Lab File: BF137493.D

Acq: 04 Mar 2024 21:17

Tgt Ion:252 Resp: 76414

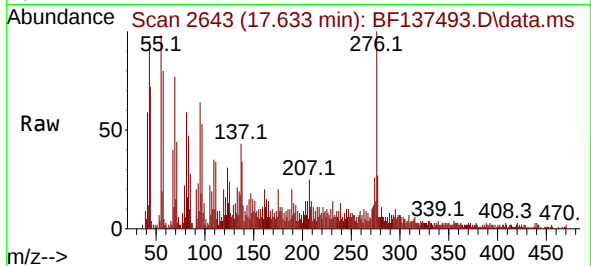
Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.4	26.2
125	22.6	10.4	15.6





#92
Benzo(g,h,i)perylene
Concen: 2.390 ng
RT: 17.633 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF137493.D
Acq: 04 Mar 2024 21:17

Instrument :
BNA_F
ClientSampleId :
OR-02-030124



Tgt Ion: 276 Resp: 37950

Ion	Ratio	Lower	Upper
276	100		
277	27.0	19.0	28.4
138	33.6	22.2	33.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/05/2024
Supervised By :mohammad ahmed 03/05/2024

