

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
 Data File : BF137933.D
 Acq On : 17 May 2024 15:49
 Operator : CG\JU
 Sample : P2482-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SW-02-229

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/20/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 17 16:36:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.039	152	126959	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	487826	20.000	ng	0.00
39) Acenaphthene-d10	10.080	164	280827	20.000	ng	0.00
64) Phenanthrene-d10	11.580	188	478803	20.000	ng	0.00
76) Chrysene-d12	14.227	240	263173	20.000	ng	0.00
86) Perylene-d12	15.786	264	319225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	574040	76.804	ng	0.00
7) Phenol-d6	6.651	99	723605	78.593	ng	0.00
23) Nitrobenzene-d5	7.598	82	433783	52.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.874	330	224099	79.143	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	937803	51.440	ng	0.00
79) Terphenyl-d14	13.163	244	911873	51.066	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.116	154	39472	2.642	ng	96
71) Phenanthrene	11.598	178	351669	14.904	ng	100
72) Anthracene	11.651	178	86188	3.682	ng	100
75) Fluoranthene	12.792	202	512905	21.416	ng	98
78) Pyrene	13.027	202	418374	18.176	ng	99
81) Benzo(a)anthracene	14.215	228	193174	11.602	ng	99
83) Chrysene	14.251	228	184091m	11.561	ng	
87) Indeno(1,2,3-cd)pyrene	17.398	276	114143	5.565	ng	96
88) Benzo(b)fluoranthene	15.315	252	230397m	12.465	ng	
89) Benzo(k)fluoranthene	15.345	252	92460m	5.092	ng	
90) Benzo(a)pyrene	15.715	252	176978	11.213	ng	# 96
92) Benzo(g,h,i)perylene	17.897	276	106017	5.956	ng	99

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

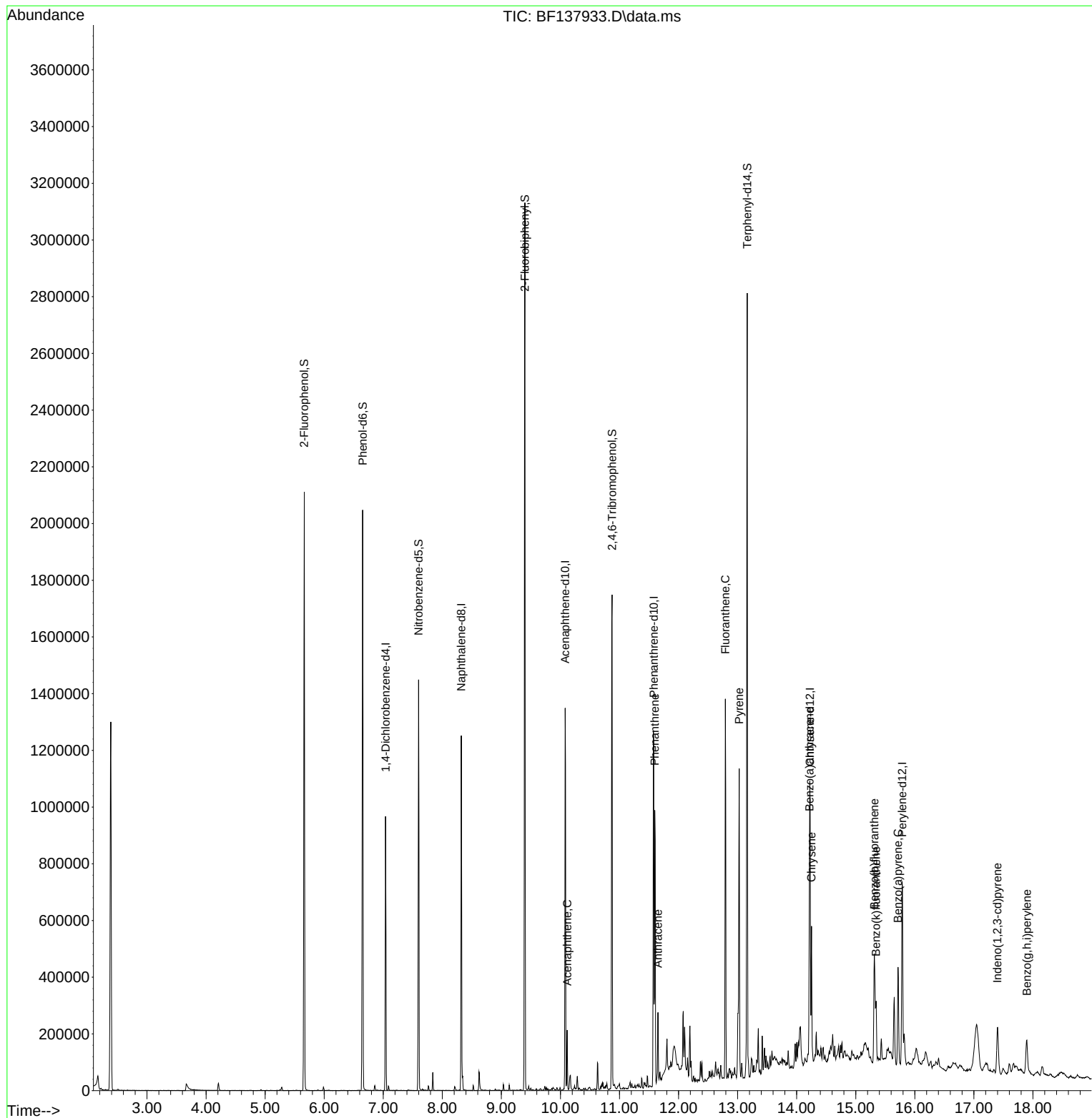
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051724\
Data File : BF137933.D
Acq On : 17 May 2024 15:49
Operator : CG\JU
Sample : P2482-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

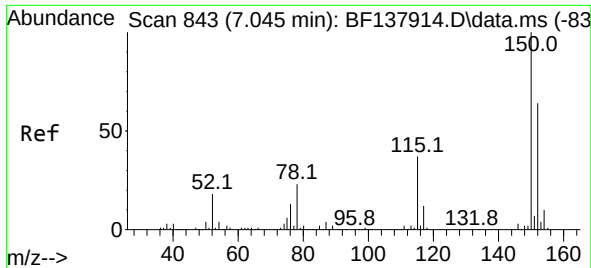
Instrument :
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Quant Time: May 17 16:36:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 15 04:12:16 2024
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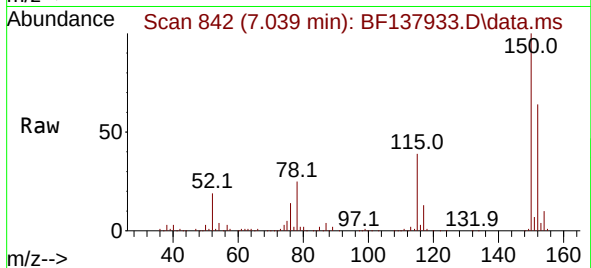
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.039 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

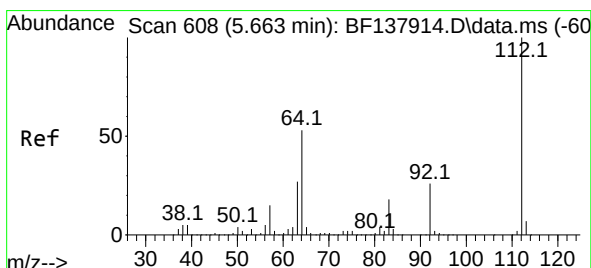
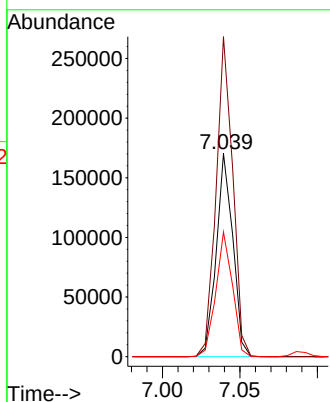
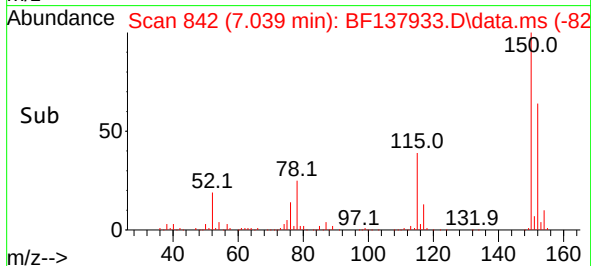
Instrument :
BNA_F
ClientSampleId :
SW-02-229



Tgt Ion:152 Resp: 126959
Ion Ratio Lower Upper
152 100
150 157.5 125.7 188.5
115 61.3 47.0 70.6

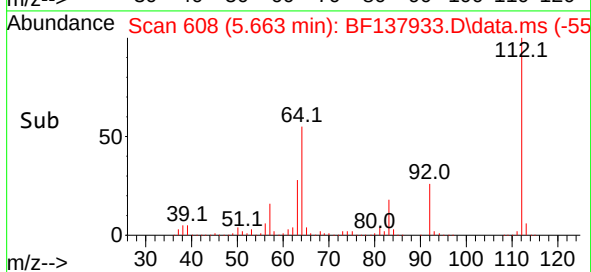
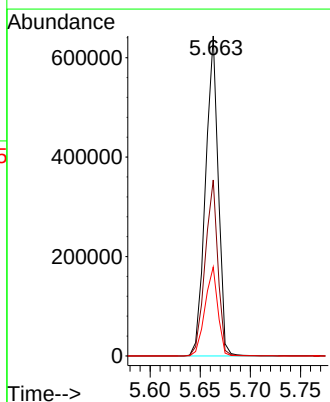
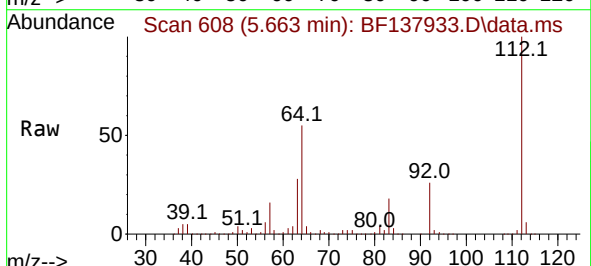
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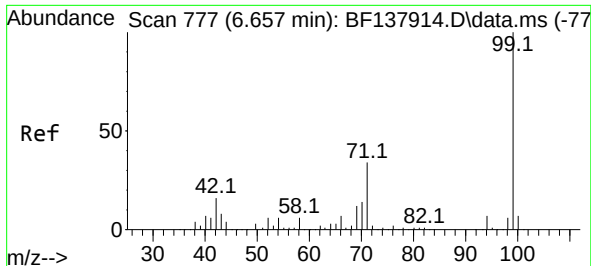
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#5
2-Fluorophenol
Concen: 76.804 ng
RT: 5.663 min Scan# 608
Delta R.T. -0.000 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

Tgt Ion:112 Resp: 574040
Ion Ratio Lower Upper
112 100
64 55.0 42.4 63.6
63 27.8 21.4 32.2





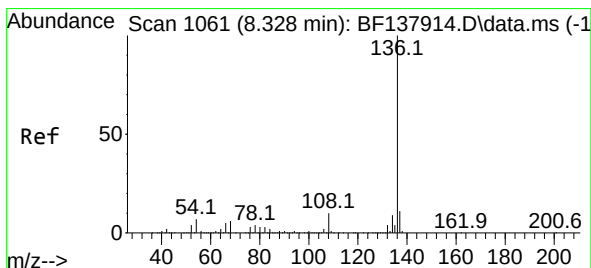
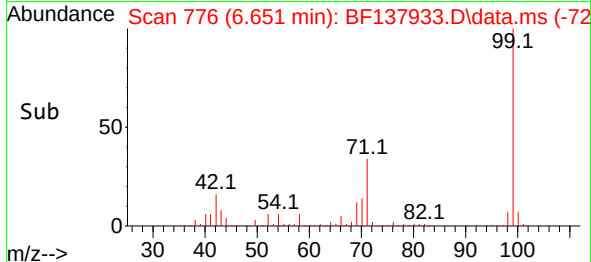
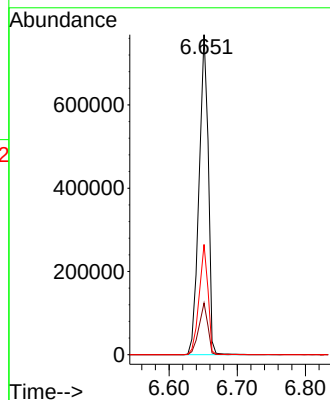
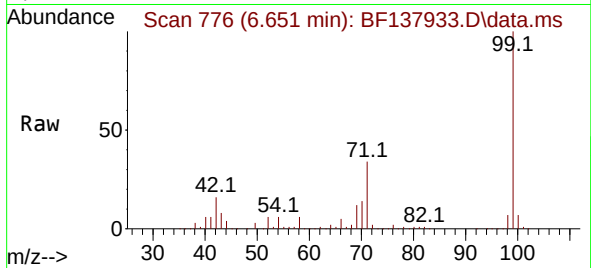
#7
Phenol-d6
Concen: 78.593 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

Instrument :
BNA_F
ClientSampleId :
SW-02-229

Tgt Ion: 99 Resp: 72360
Ion Ratio Lower Upper
99 100
42 16.2 12.6 18.8
71 34.4 27.1 40.7

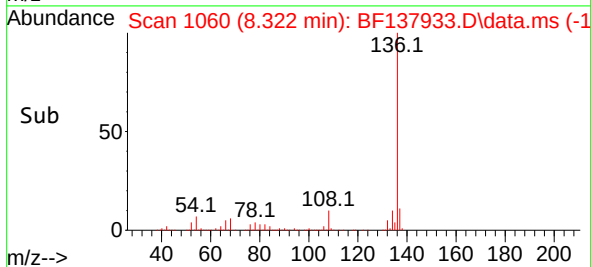
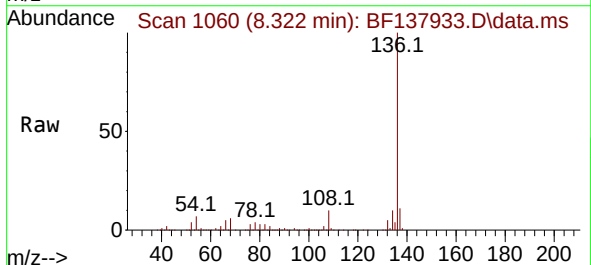
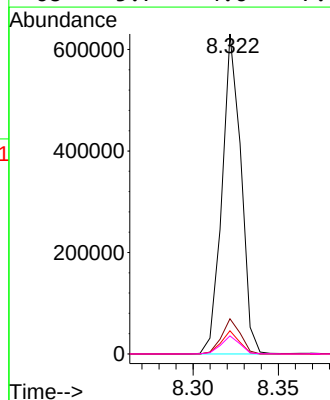
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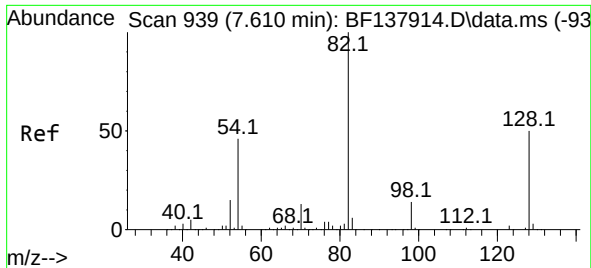
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

Tgt Ion:136 Resp: 487826
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.2 5.4 8.2
68 5.7 4.6 7.0





#23
Nitrobenzene-d5
Concen: 52.331 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

Instrument :

BNA_F

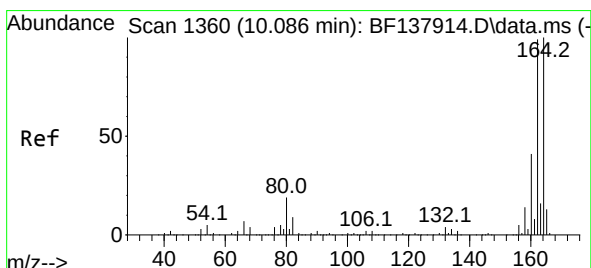
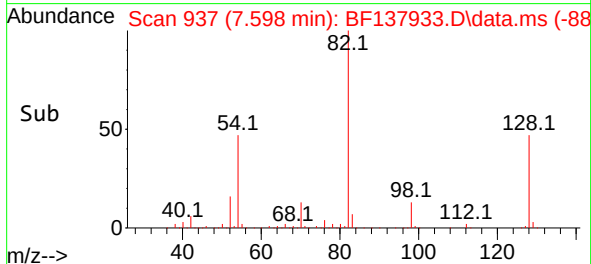
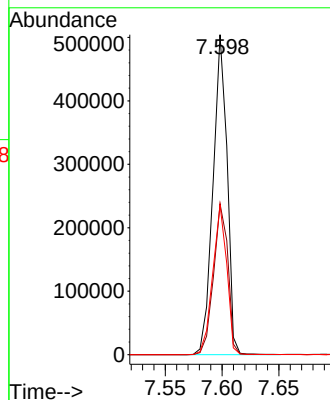
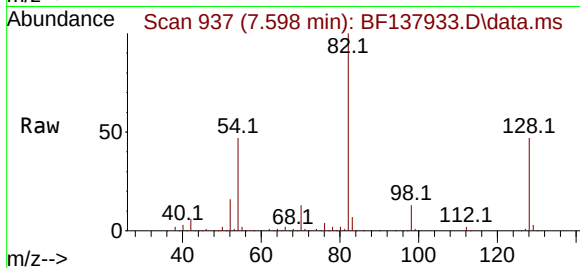
ClientSampleId :

SW-02-229

Tgt Ion: 82 Resp: 43378
Ion Ratio Lower Upper
82 100
128 47.2 40.3 60.5
54 46.8 36.8 55.2

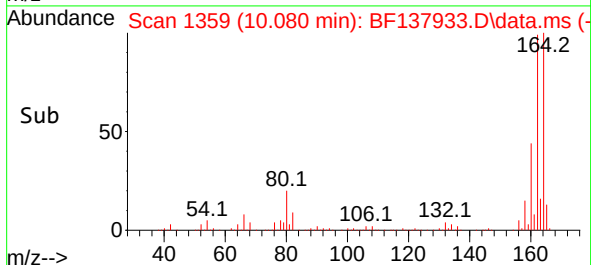
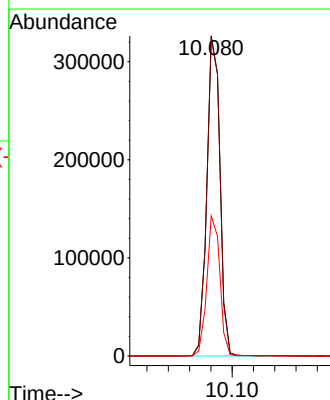
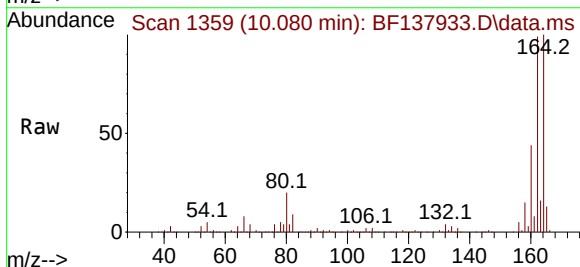
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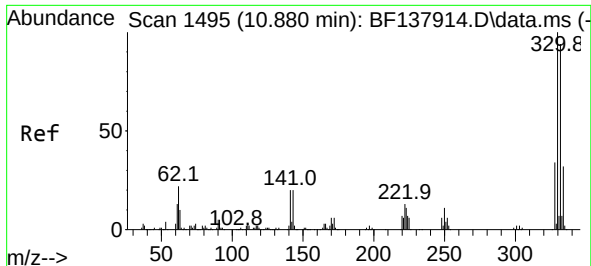
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

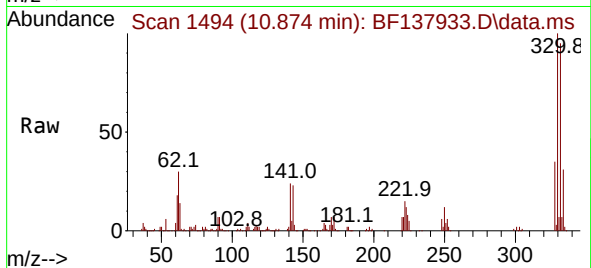
Tgt Ion:164 Resp: 280827
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 43.8 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 79.143 ng
RT: 10.874 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

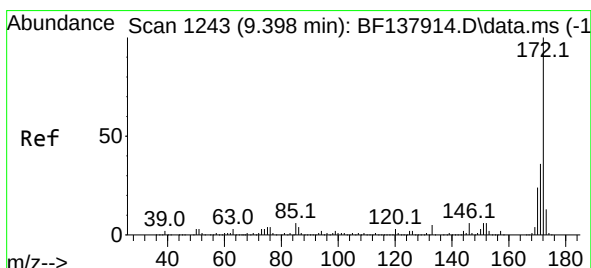
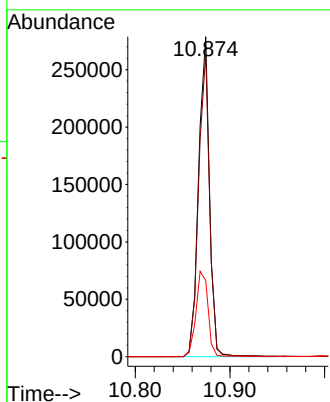
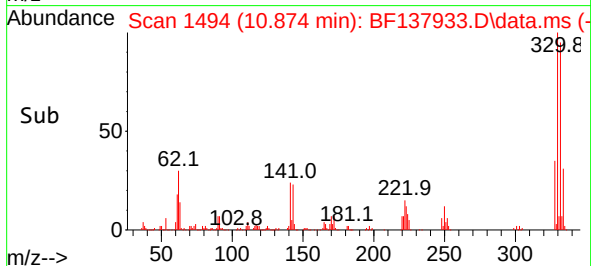
Instrument :
BNA_F
ClientSampleId :
SW-02-229



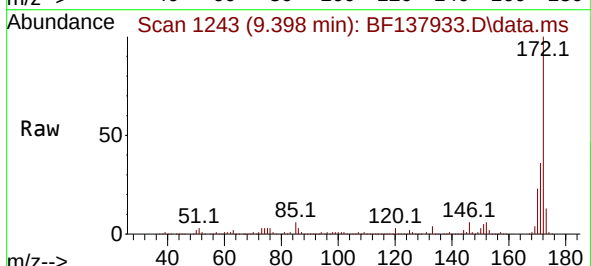
Tgt Ion: 330 Resp: 224099
Ion Ratio Lower Upper
330 100
332 95.2 75.8 113.8
141 29.6 23.8 35.6

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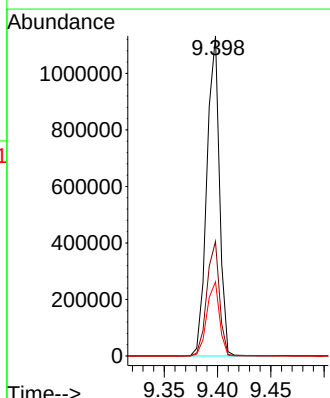
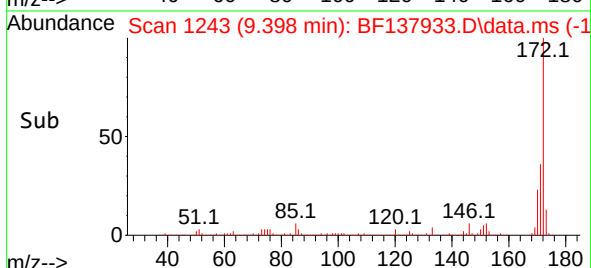
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Supervised By : mohammad ahmed 05/22/2024

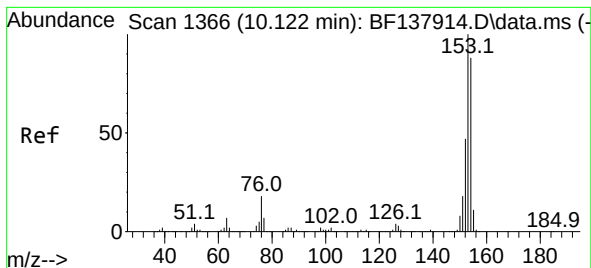


#45
2-Fluorobiphenyl
Concen: 51.440 ng
RT: 9.398 min Scan# 1243
Delta R.T. -0.000 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49



Tgt Ion: 172 Resp: 937803
Ion Ratio Lower Upper
172 100
171 35.8 28.9 43.3
170 23.2 18.9 28.3





#52

Acenaphthene

Concen: 2.642 ng

RT: 10.116 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137933.D

Acq: 17 May 2024 15:49

Instrument :

BNA_F

ClientSampleId :

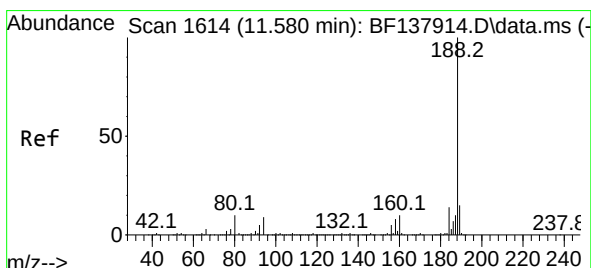
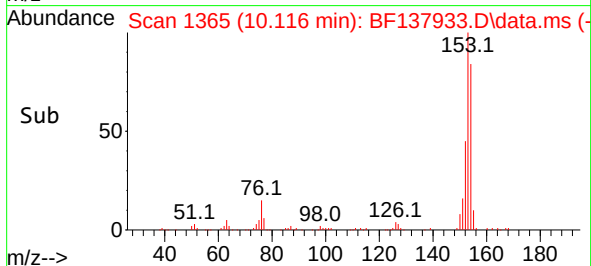
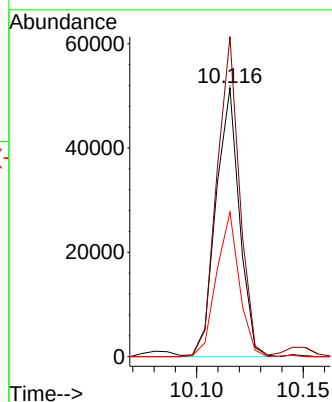
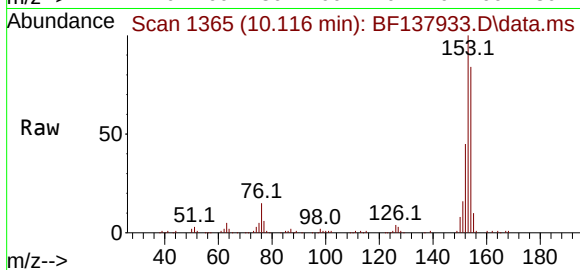
SW-02-229

Tgt Ion:154	Resp:	39472
Ion Ratio	Lower	Upper
154	100	
153	119.1	90.4 135.6
152	53.9	42.3 63.5

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#64

Phenanthrene-d10

Concen: 20.000 ng

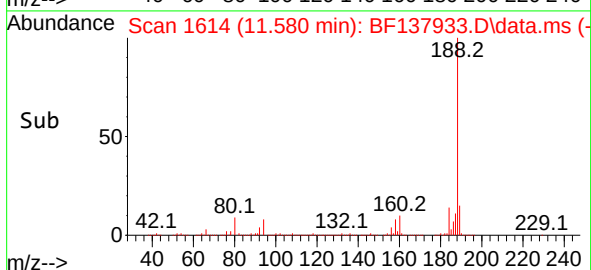
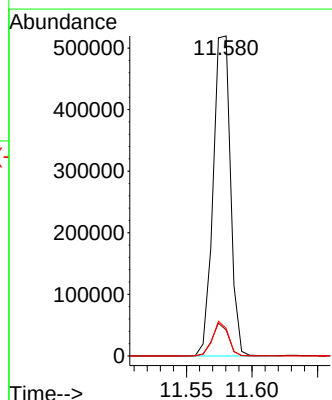
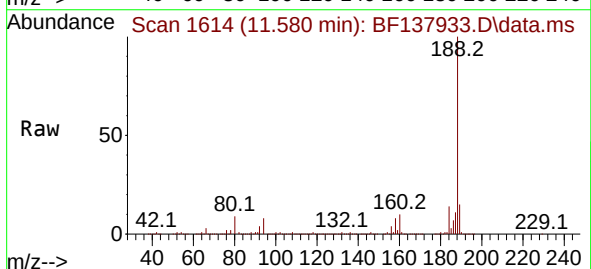
RT: 11.580 min Scan# 1614

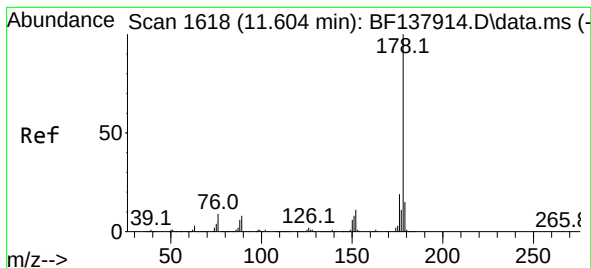
Delta R.T. -0.000 min

Lab File: BF137933.D

Acq: 17 May 2024 15:49

Tgt Ion:188	Resp:	478803
Ion Ratio	Lower	Upper
188	100	
94	8.1	7.0 10.4
80	8.6	7.7 11.5





#71

Phenanthrene

Concen: 14.904 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137933.D

Acq: 17 May 2024 15:49

Instrument :

BNA_F

ClientSampleId :

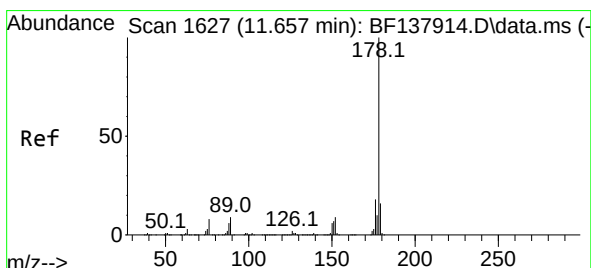
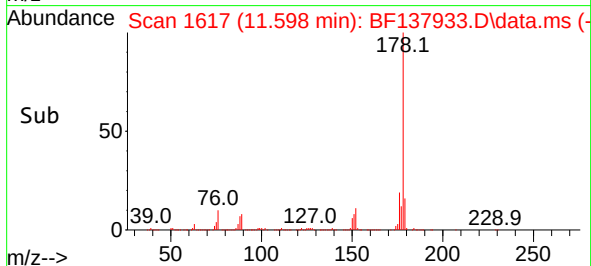
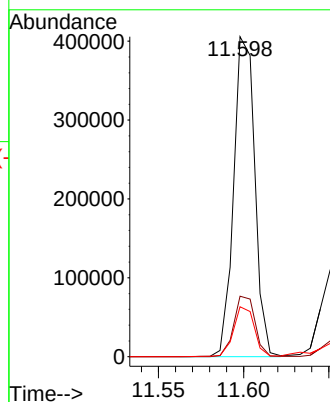
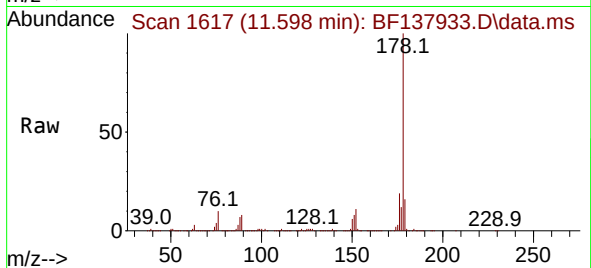
SW-02-229

Tgt Ion:178 Resp: 351669
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.2 22.8
 179 15.6 12.2 18.4

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 Supervised By :mohammad ahmed 05/22/2024



#72

Anthracene

Concen: 3.682 ng

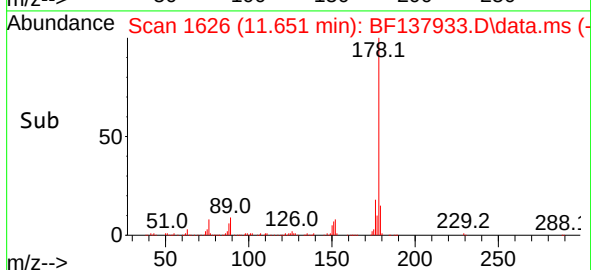
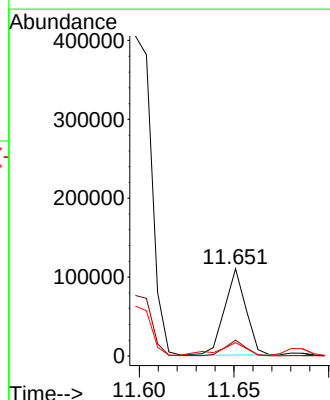
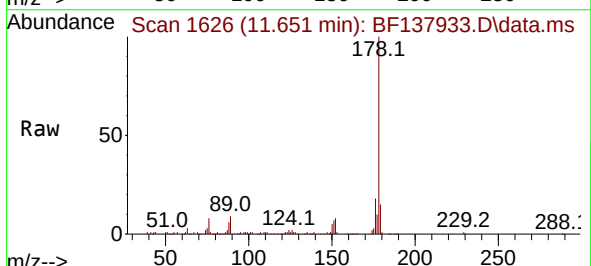
RT: 11.651 min Scan# 1626

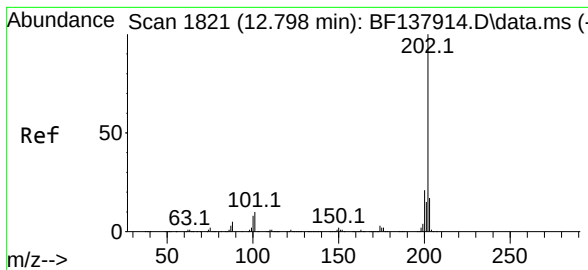
Delta R.T. -0.006 min

Lab File: BF137933.D

Acq: 17 May 2024 15:49

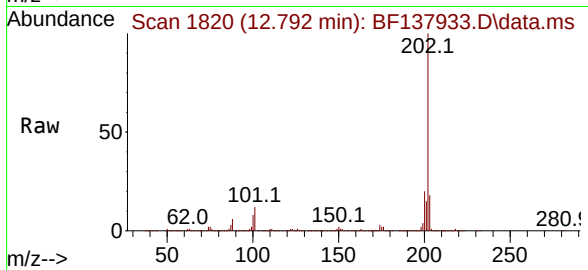
Tgt Ion:178 Resp: 86188
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.7 22.1
 179 15.3 12.4 18.6





#75
Fluoranthene
Concen: 21.416 ng
RT: 12.792 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

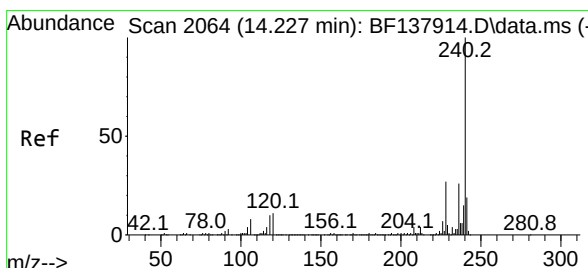
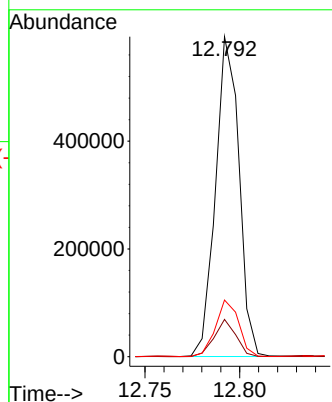
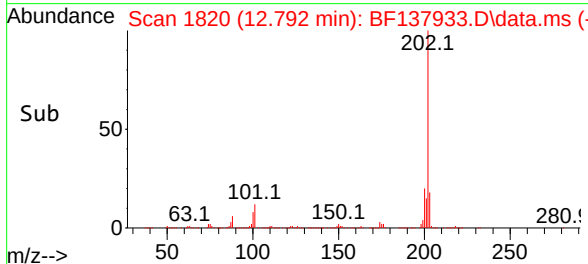
Instrument :
BNA_F
ClientSampleId :
SW-02-229



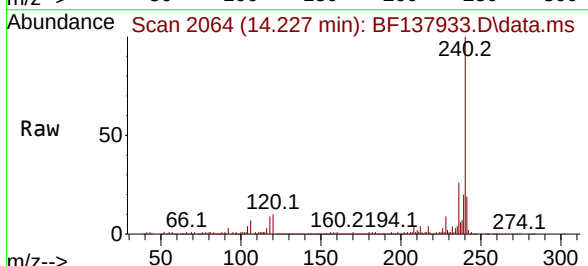
Tgt Ion:202 Resp: 51290
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.5
203 17.7 0.0 37.3

Manual Integrations
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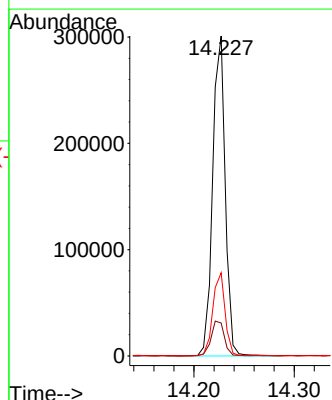
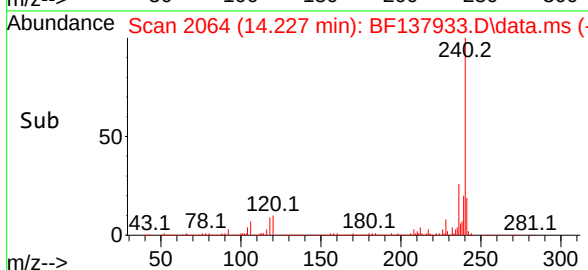
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

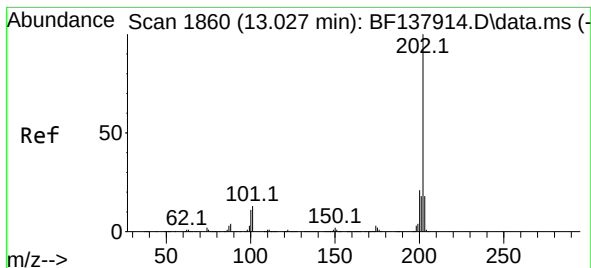


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. -0.000 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49



Tgt Ion:240 Resp: 263173
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 26.0 21.0 31.4





#78

Pyrene

Concen: 18.176 ng

RT: 13.027 min Scan# 1860

Delta R.T. -0.000 min

Lab File: BF137933.D

Acq: 17 May 2024 15:49

Instrument :

BNA_F

ClientSampleId :

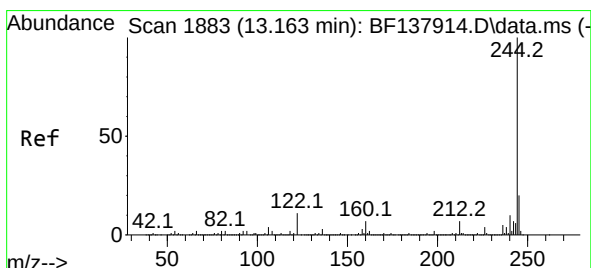
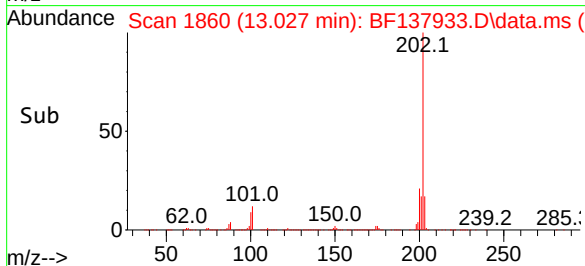
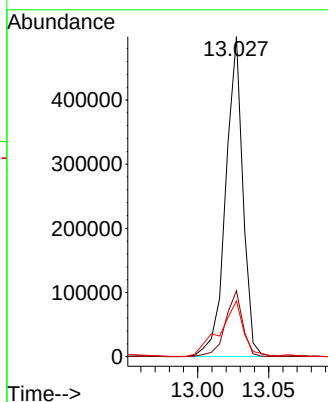
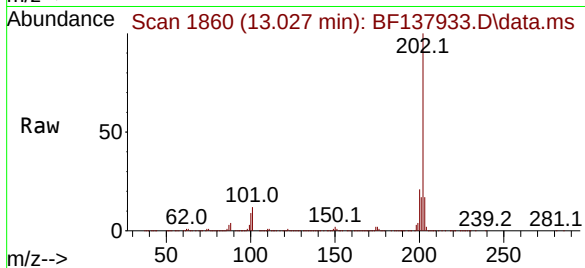
SW-02-229

Tgt Ion:	202	Resp:	418374
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.0	25.4
203	17.5	14.1	21.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#79

Terphenyl-d14

Concen: 51.066 ng

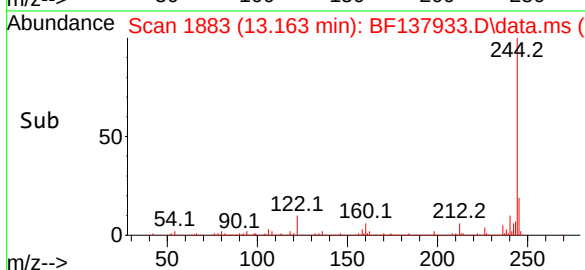
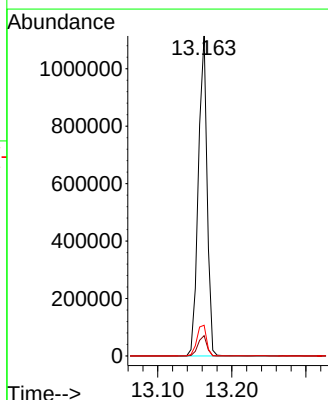
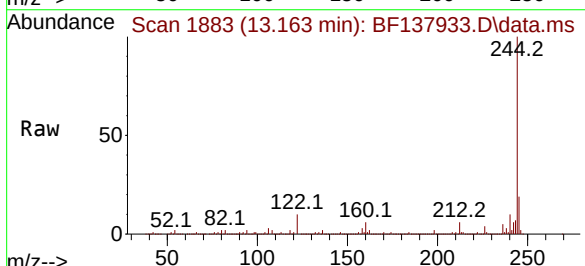
RT: 13.163 min Scan# 1883

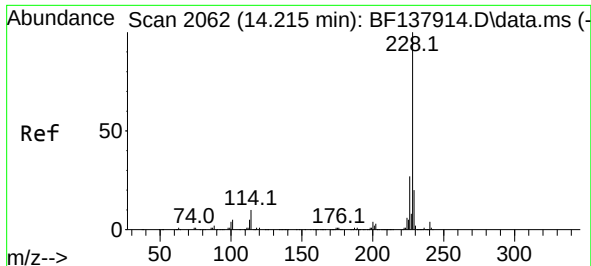
Delta R.T. -0.000 min

Lab File: BF137933.D

Acq: 17 May 2024 15:49

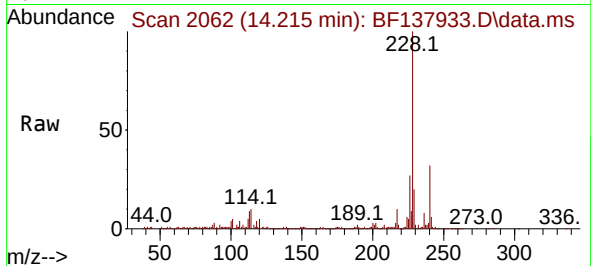
Tgt Ion:	244	Resp:	911873
Ion Ratio	Lower	Upper	
244	100		
212	6.3	5.6	8.4
122	9.6	8.8	13.2





#81
Benzo(a)anthracene
Concen: 11.602 ng
RT: 14.215 min Scan# 2062
Delta R.T. -0.000 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

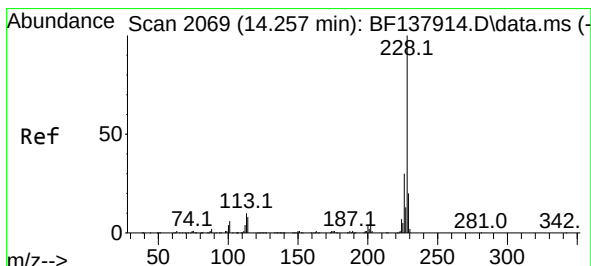
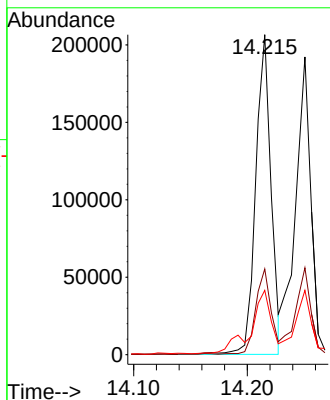
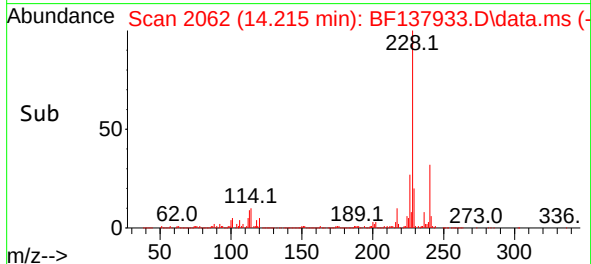
Instrument :
BNA_F
ClientSampleId :
SW-02-229



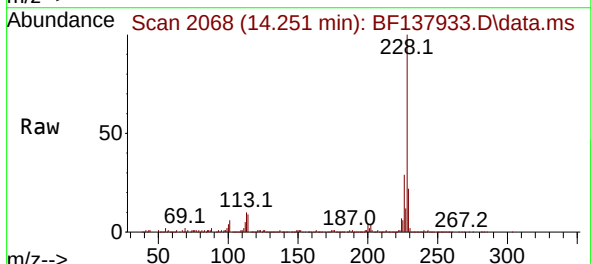
Tgt Ion:228 Resp: 193174
Ion Ratio Lower Upper
228 100
226 26.8 21.3 31.9
229 20.1 15.7 23.5

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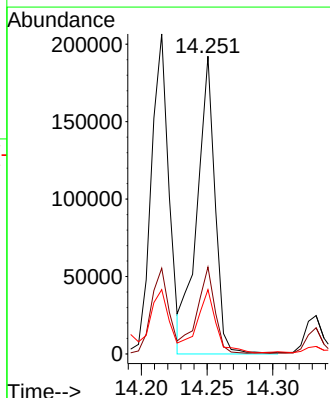
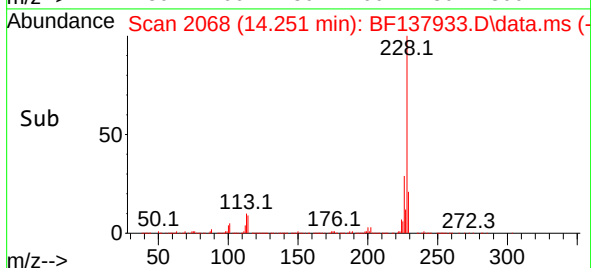
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024

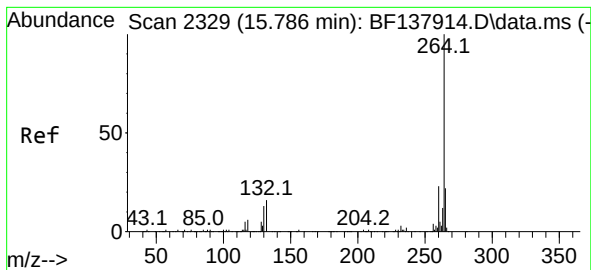


#83
Chrysene
Concen: 11.561 ng m
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49



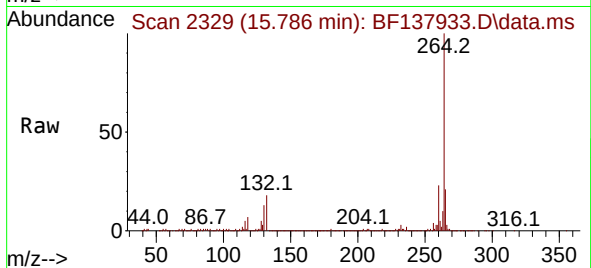
Tgt Ion:228 Resp: 184091
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.8
229 21.6 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.786 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

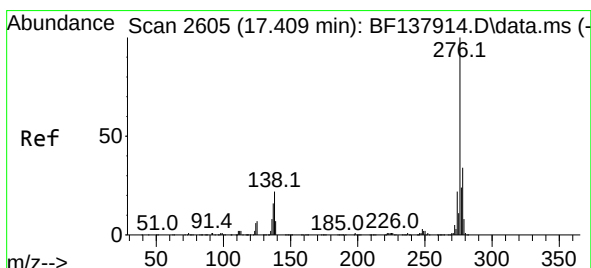
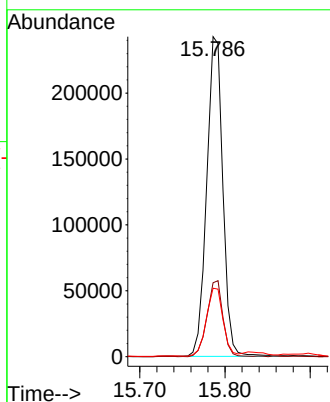
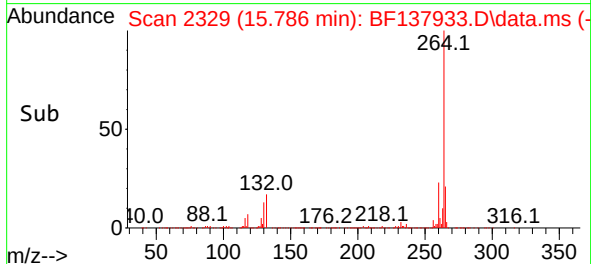
Instrument :
BNA_F
ClientSampleId :
SW-02-229



Tgt Ion:264 Resp: 319225
Ion Ratio Lower Upper
264 100
260 23.1 18.3 27.5
265 21.4 17.6 26.4

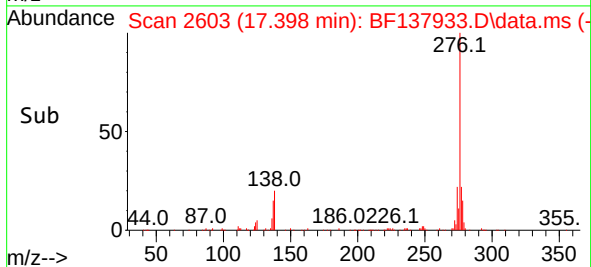
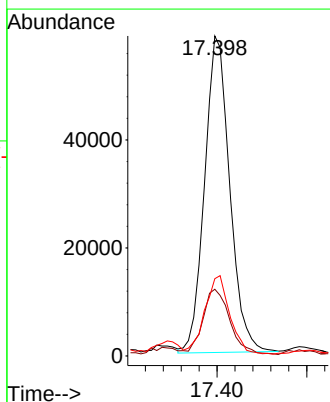
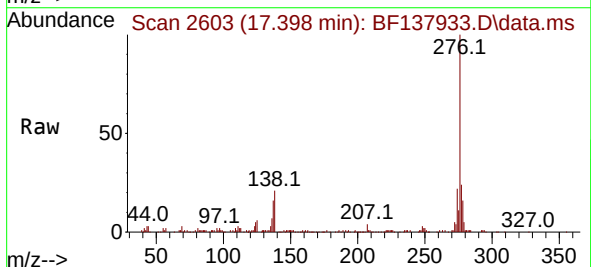
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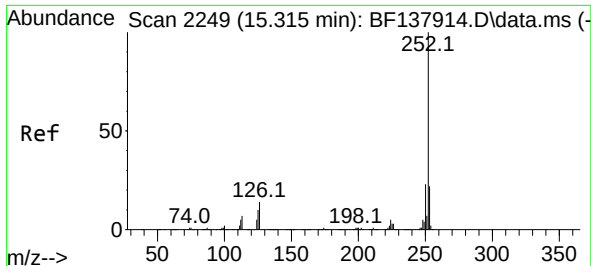
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.565 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

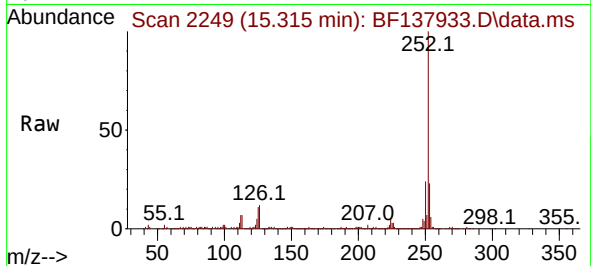
Tgt Ion:276 Resp: 114143
Ion Ratio Lower Upper
276 100
138 22.3 20.6 30.8
277 24.6 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 12.465 ng m
RT: 15.315 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

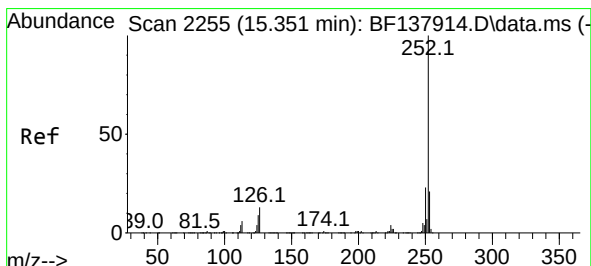
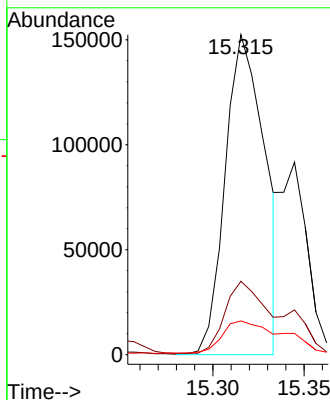
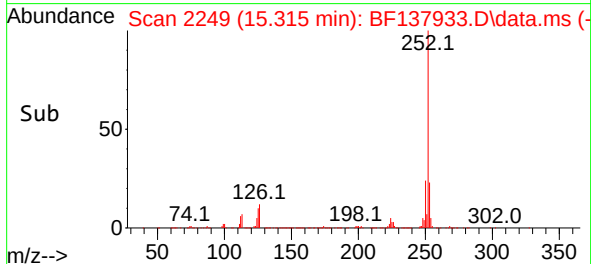
Instrument :
BNA_F
ClientSampleId :
SW-02-229



Tgt Ion:252 Resp: 23039
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.6 8.2 12.4

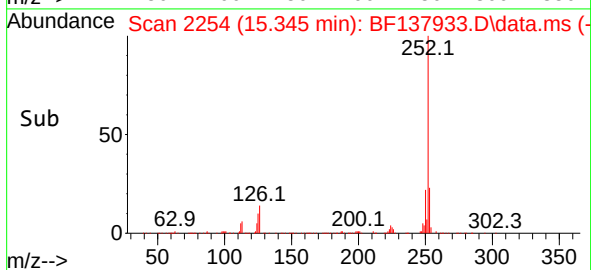
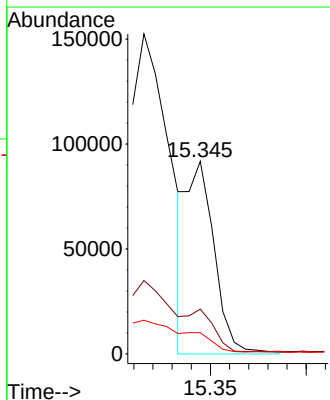
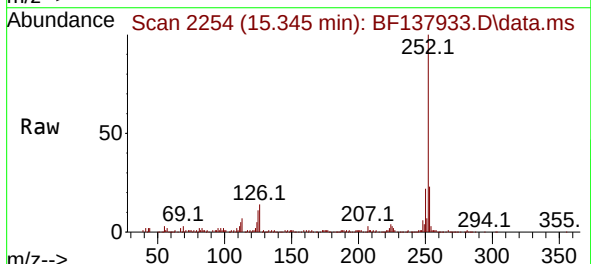
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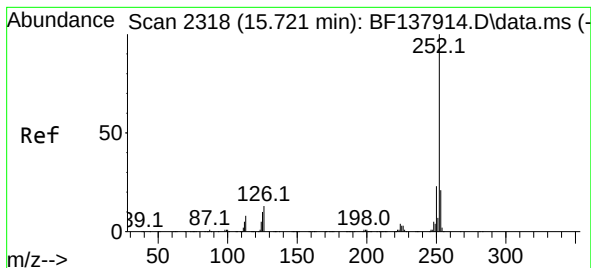
Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#89
Benzo(k)fluoranthene
Concen: 5.092 ng m
RT: 15.345 min Scan# 2254
Delta R.T. -0.006 min
Lab File: BF137933.D
Acq: 17 May 2024 15:49

Tgt Ion:252 Resp: 92460
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.0 7.7 11.5





#90

Benzo(a)pyrene

Concen: 11.213 ng

RT: 15.715 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137933.D

Acq: 17 May 2024 15:49

Instrument :

BNA_F

ClientSampleId :

SW-02-229

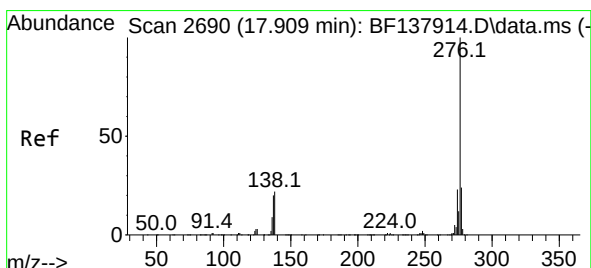
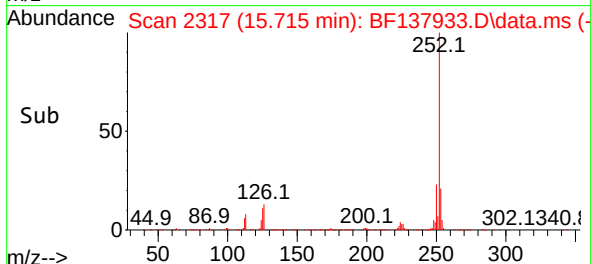
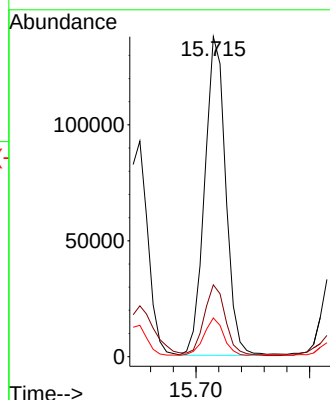
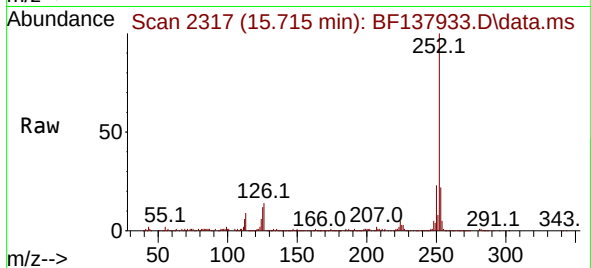
Tgt Ion:252 Resp: 176978

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	12.1	7.8	11.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/20/2024
Supervised By :mohammad ahmed 05/22/2024



#92

Benzo(g,h,i)perylene

Concen: 5.956 ng

RT: 17.897 min Scan# 2688

Delta R.T. -0.012 min

Lab File: BF137933.D

Acq: 17 May 2024 15:49

Tgt Ion:276 Resp: 106017

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	21.3	17.6	26.4

