

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
 Data File : BF137963.D
 Acq On : 20 May 2024 17:08
 Operator : CG\JU
 Sample : P2512-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPI

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/21/2024
 Supervised By :mohammad ahmed 05/22/2024

Quant Time: May 20 17:38:43 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	7.040	152	143975	20.000	ng	0.00
21) Naphthalene-d8	8.322	136	556186	20.000	ng	0.00
39) Acenaphthene-d10	10.081	164	319472	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	545165	20.000	ng	0.00
76) Chrysene-d12	14.227	240	303469	20.000	ng	0.00
86) Perylene-d12	15.786	264	351087	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	693367	81.805	ng	0.00
7) Phenol-d6	6.651	99	862798	82.636	ng	0.00
23) Nitrobenzene-d5	7.598	82	513335	54.316	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	278525	86.465	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1085755	52.351	ng	0.00
79) Terphenyl-d14	13.163	244	1090149	52.943	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.598	178	71268	2.653	ng	99
75) Fluoranthene	12.792	202	271448	9.955	ng	98
78) Pyrene	13.022	202	287600	10.835	ng	99
81) Benzo(a)anthracene	14.216	228	142214	7.407	ng	96
83) Chrysene	14.251	228	143731	7.828	ng	98
87) Indeno(1,2,3-cd)pyrene	17.398	276	118433	5.251	ng	97
88) Benzo(b)fluoranthene	15.316	252	236707m	11.644	ng	
89) Benzo(k)fluoranthene	15.339	252	79224m	3.967	ng	
90) Benzo(a)pyrene	15.716	252	178878	10.305	ng	96
92) Benzo(g,h,i)perylene	17.898	276	114713	5.859	ng	100

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

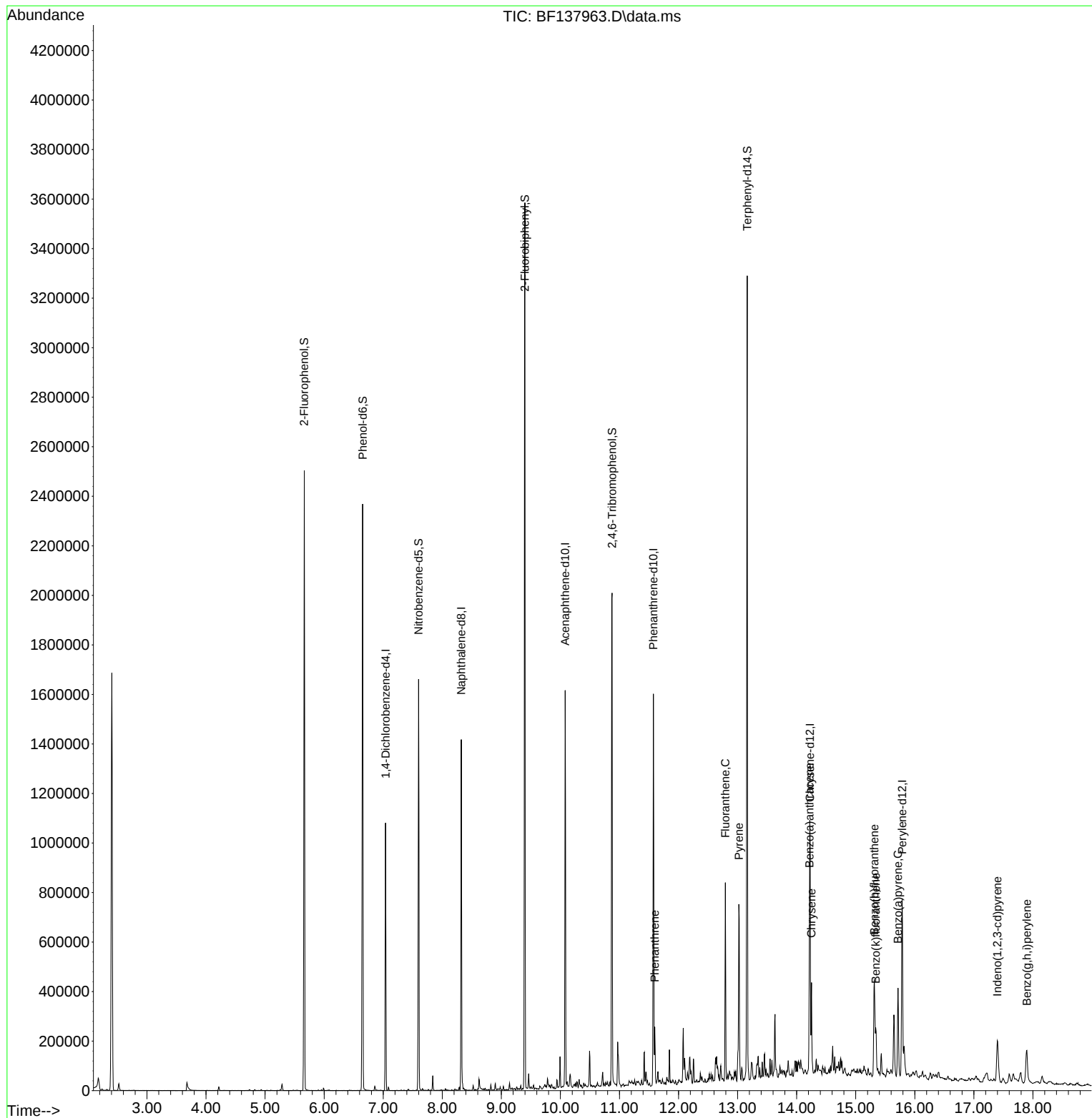
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052024\
Data File : BF137963.D
Acq On : 20 May 2024 17:08
Operator : CG\JU
Sample : P2512-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

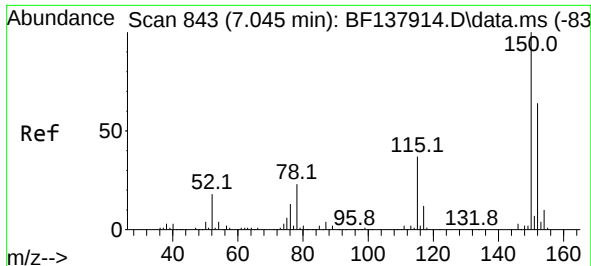
Instrument :
BNA_F
ClientSampleId :
WCS-TPI

Quant Time: May 20 17:38:43 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

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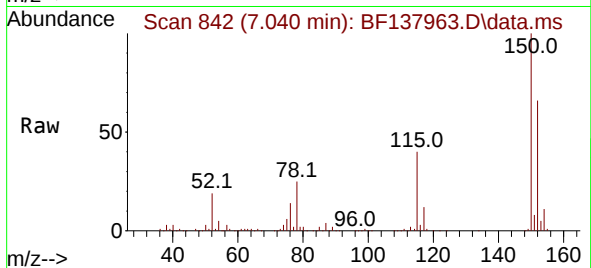
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.040 min Scan# 843
Delta R.T. -0.005 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

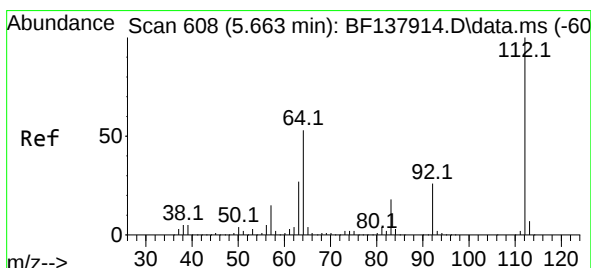
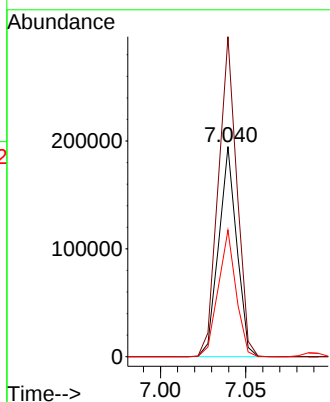
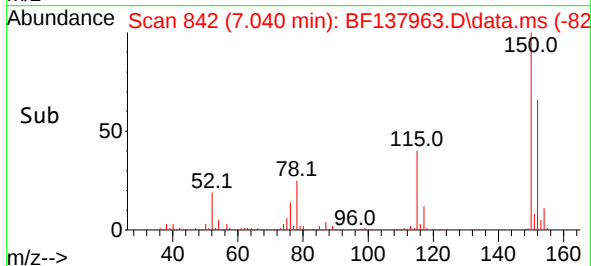
Instrument :
BNA_F
ClientSampleId :
WCS-TPI



Tgt Ion:152 Resp: 143975
Ion Ratio Lower Upper
152 100
150 152.3 125.7 188.5
115 60.2 47.0 70.6

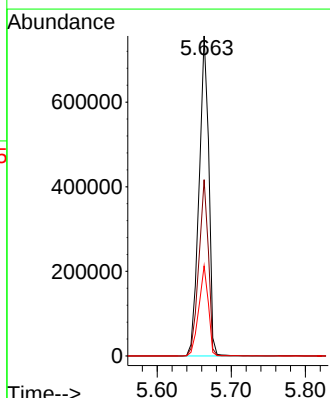
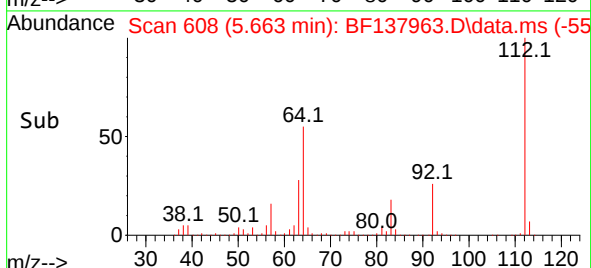
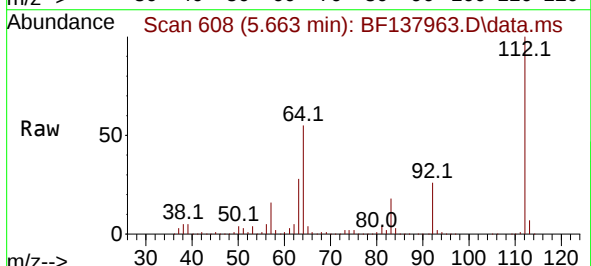
Manual Integrations
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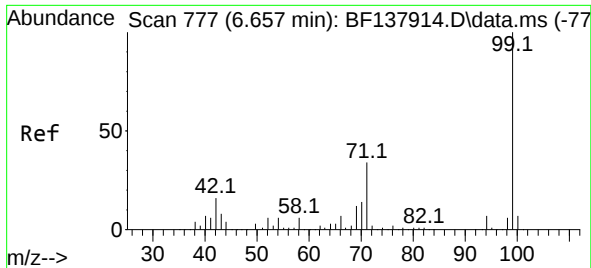
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#5
2-Fluorophenol
Concen: 81.805 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

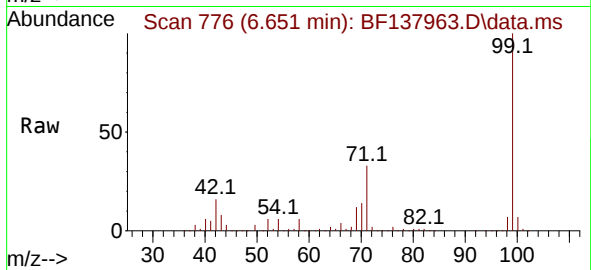
Tgt Ion:112 Resp: 693367
Ion Ratio Lower Upper
112 100
64 55.1 42.4 63.6
63 28.2 21.4 32.2





#7
Phenol-d6
Concen: 82.636 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

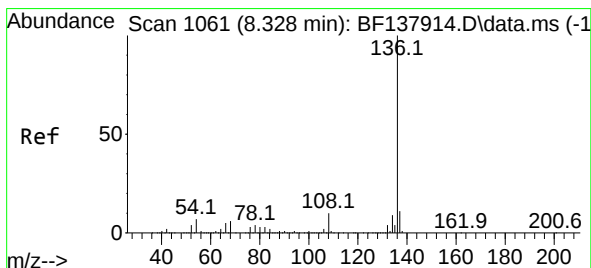
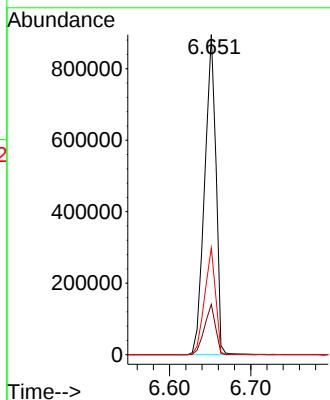
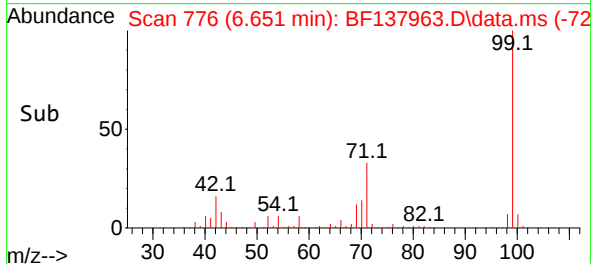
Instrument :
BNA_F
ClientSampleId :
WCS-TPI



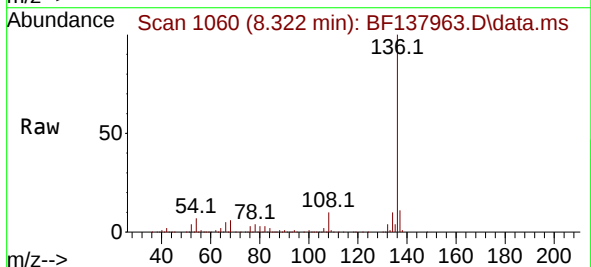
Tgt Ion: 99 Resp: 862798
Ion Ratio Lower Upper
99 100
42 15.7 12.6 18.8
71 33.4 27.1 40.7

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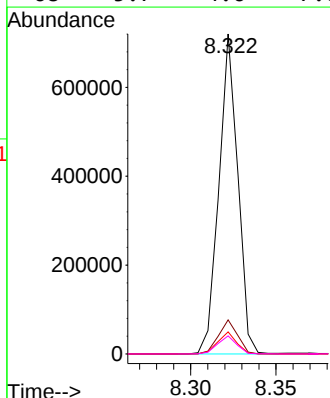
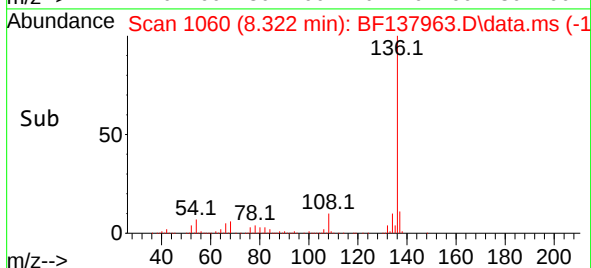
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08



Tgt Ion:136 Resp: 556186
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 6.9 5.4 8.2
68 5.7 4.6 7.0





#23

Nitrobenzene-d5

Concen: 54.316 ng

RT: 7.598 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

WCS-TPI

Tgt Ion: 82 Resp: 51333

Ion Ratio Lower Upper

82 100

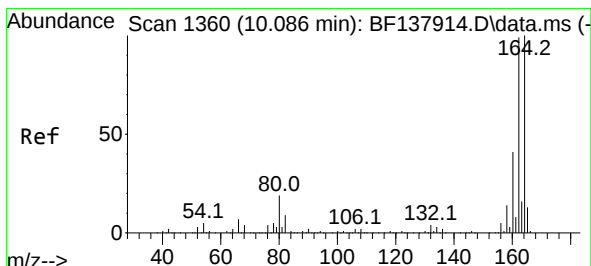
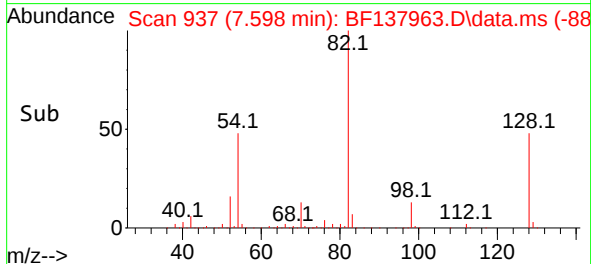
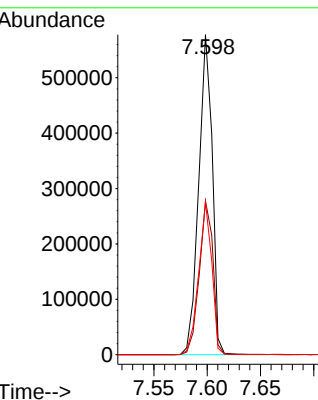
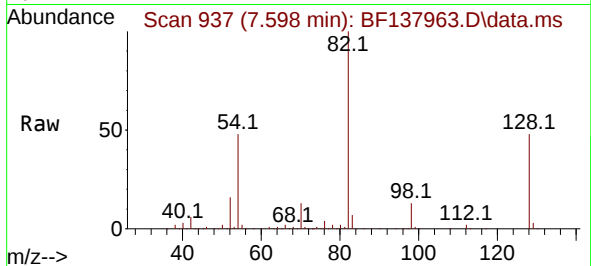
128 48.1 40.3 60.5

54 47.6 36.8 55.2

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Supervised By :mohammad ahmed 05/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.081 min Scan# 1359

Delta R.T. -0.005 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

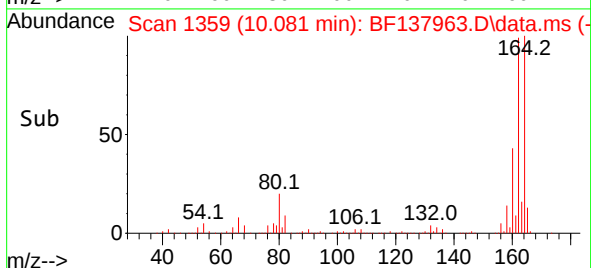
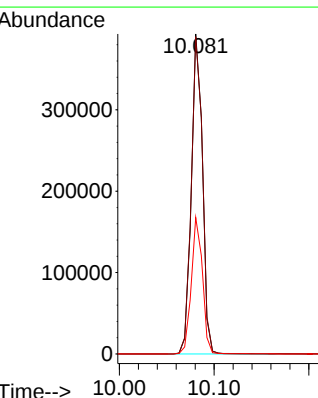
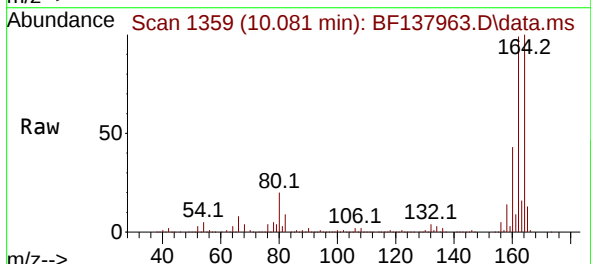
Tgt Ion:164 Resp: 319472

Ion Ratio Lower Upper

164 100

162 99.1 79.4 119.2

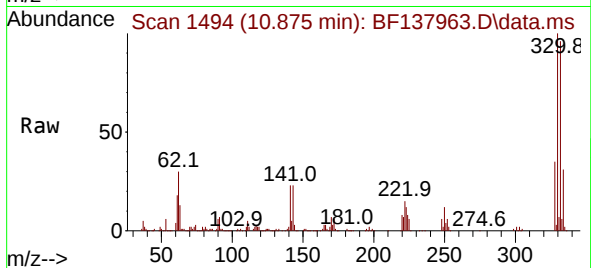
160 42.7 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 86.465 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

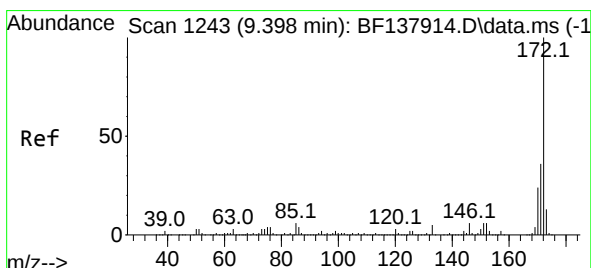
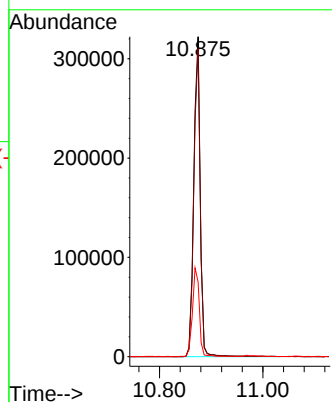
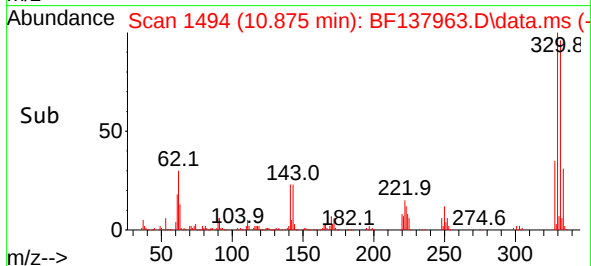
Instrument :
BNA_F
ClientSampleId :
WCS-TPI



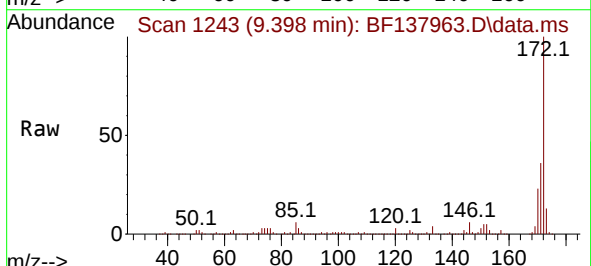
Tgt Ion: 330 Resp: 278525
Ion Ratio Lower Upper
330 100
332 95.5 75.8 113.8
141 29.3 23.8 35.6

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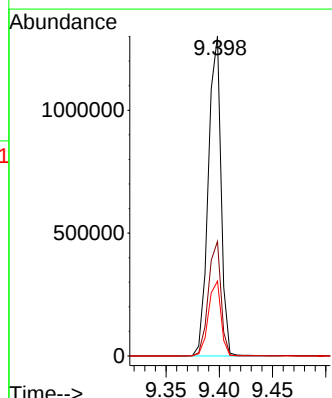
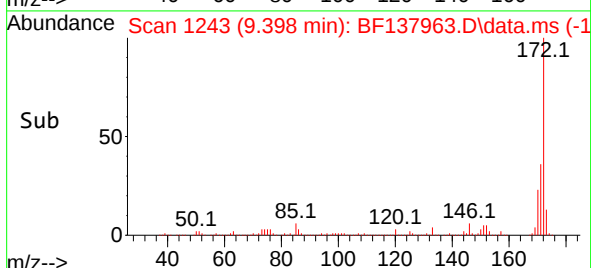
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024

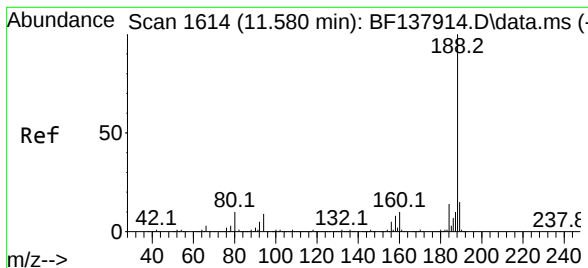


#45
2-Fluorobiphenyl
Concen: 52.351 ng
RT: 9.398 min Scan# 1243
Delta R.T. 0.000 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08



Tgt Ion: 172 Resp: 1085755
Ion Ratio Lower Upper
172 100
171 35.8 28.9 43.3
170 23.4 18.9 28.3





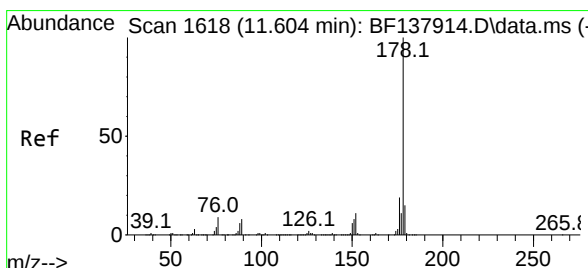
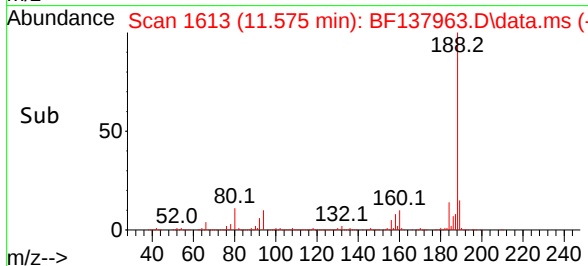
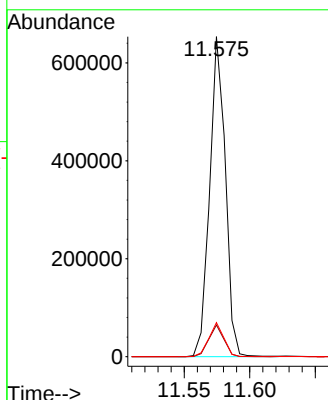
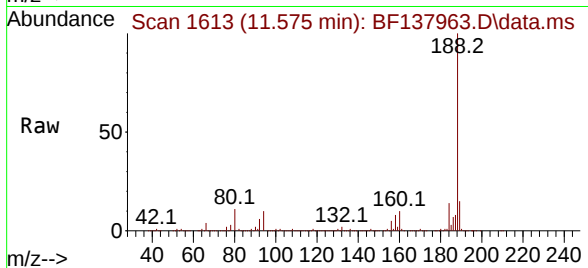
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Instrument :
BNA_F
ClientSampleId :
WCS-TPI

Tgt Ion:188 Resp: 54516
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.4
80 10.7 7.7 11.5

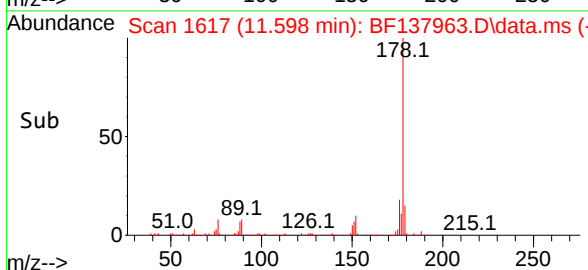
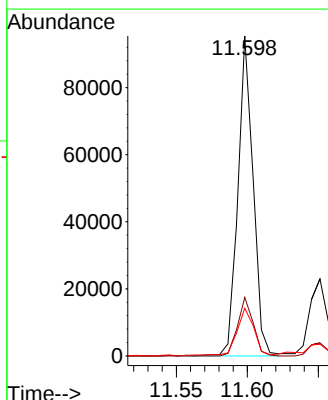
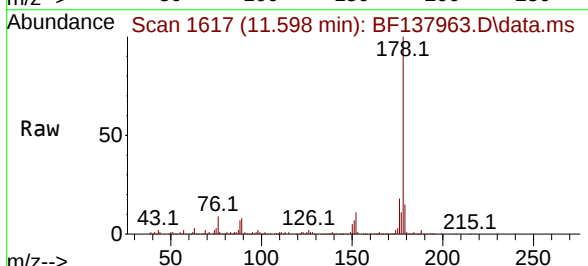
Manual Integrations
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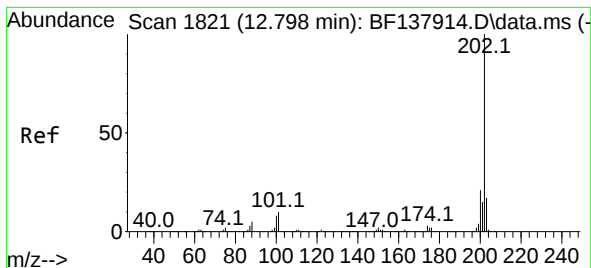
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#71
Phenanthrene
Concen: 2.653 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:178 Resp: 71268
Ion Ratio Lower Upper
178 100
176 18.3 15.2 22.8
179 14.9 12.2 18.4





#75

Fluoranthene

Concen: 9.955 ng

RT: 12.792 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

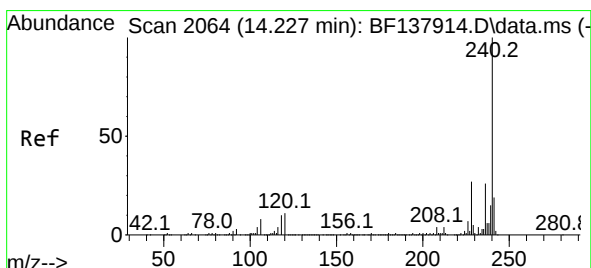
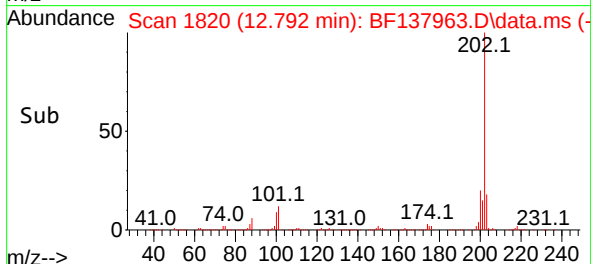
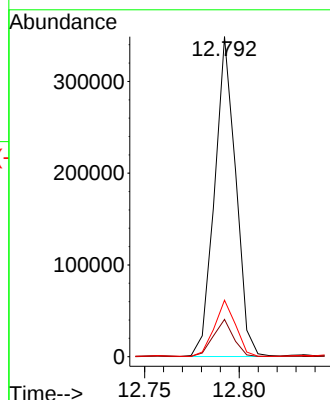
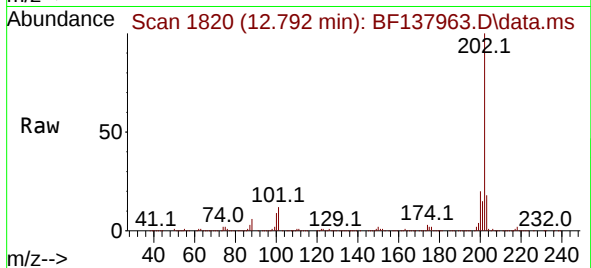
WCS-TPI

Tgt Ion:	202	Resp:	27144
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	30.5
203	17.6	0.0	37.3

Manual Integrations

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Supervised By :mohammad ahmed 05/22/2024



#76

Chrysene-d12

Concen: 20.000 ng

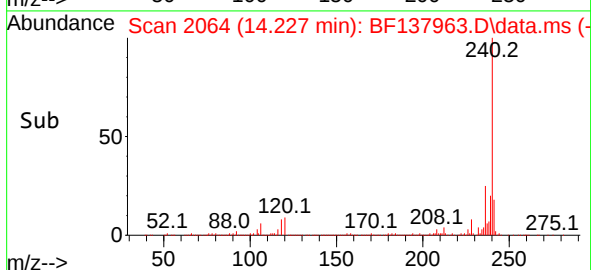
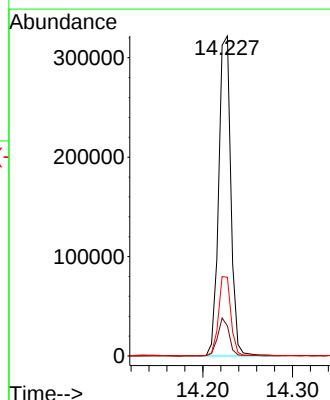
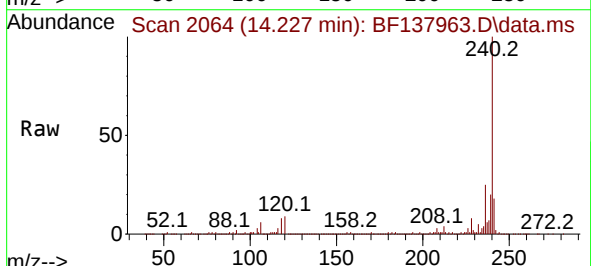
RT: 14.227 min Scan# 2064

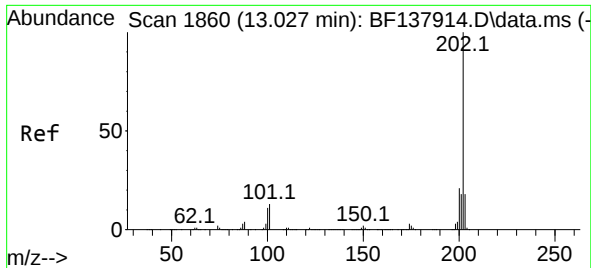
Delta R.T. 0.000 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

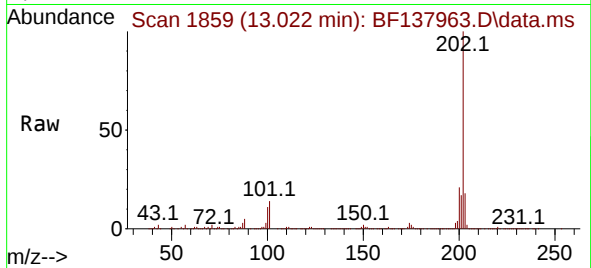
Tgt Ion:	240	Resp:	303469
Ion Ratio	Lower	Upper	
240	100		
120	9.4	8.9	13.3
236	24.6	21.0	31.4





#78
Pyrene
Concen: 10.835 ng
RT: 13.022 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

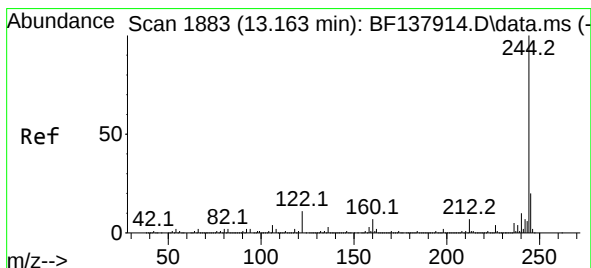
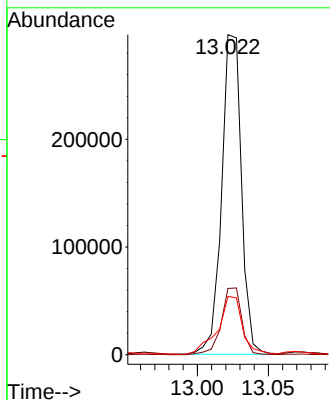
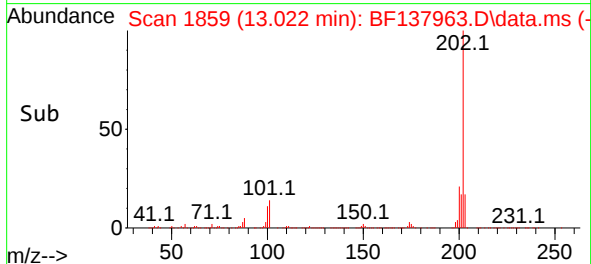
Instrument :
BNA_F
ClientSampleId :
WCS-TPI



Tgt Ion:202 Resp: 287600
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 18.2 14.1 21.1

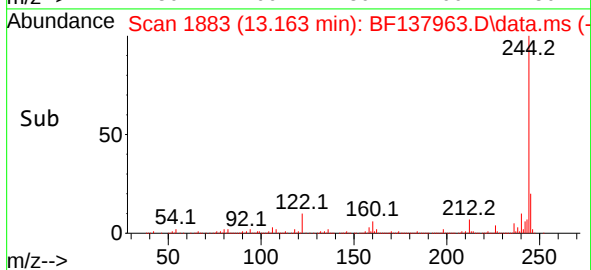
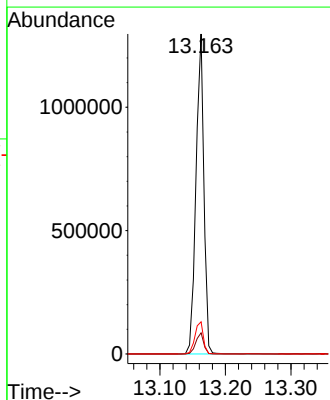
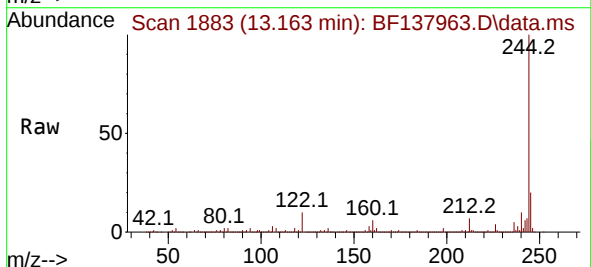
Manual Integrations
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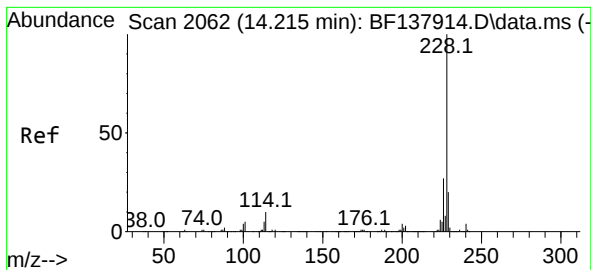
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#79
Terphenyl-d14
Concen: 52.943 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:244 Resp: 1090149
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 7.407 ng

RT: 14.216 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

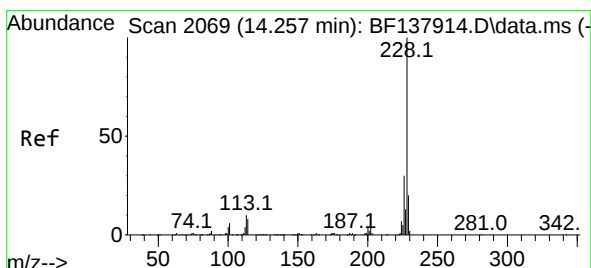
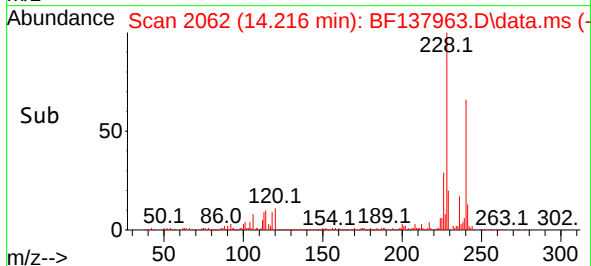
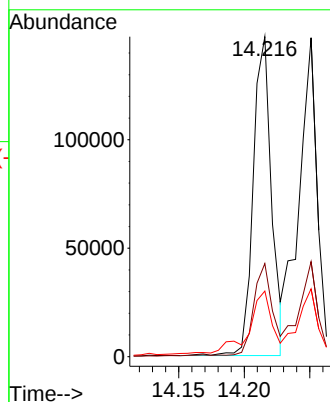
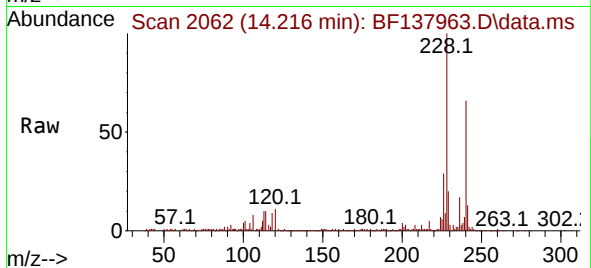
WCS-TPI

Tgt Ion:228	Resp: 142214
Ion Ratio	Lower Upper
228 100	
226 29.1	21.3 31.9
229 20.5	15.7 23.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#83

Chrysene

Concen: 7.828 ng

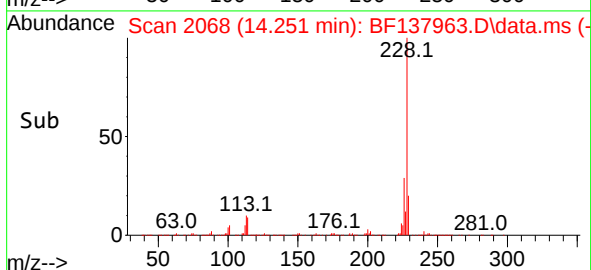
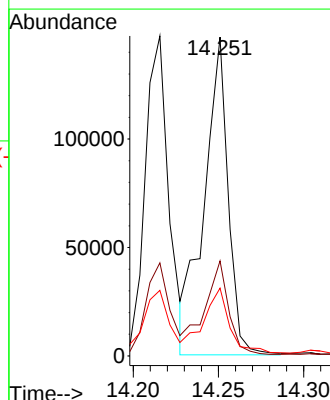
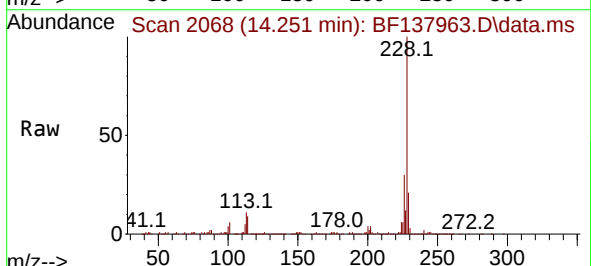
RT: 14.251 min Scan# 2068

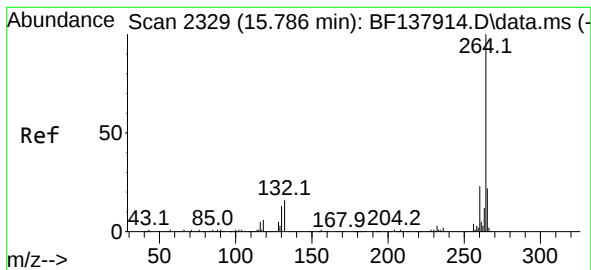
Delta R.T. -0.006 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

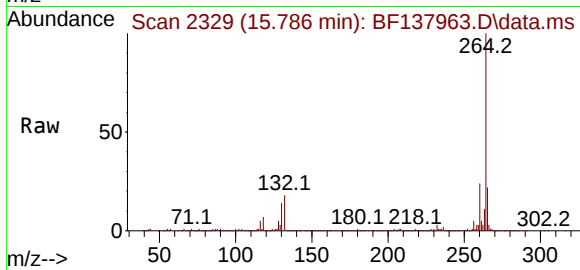
Tgt Ion:228	Resp: 143731
Ion Ratio	Lower Upper
228 100	
226 29.8	23.8 35.8
229 21.3	15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.786 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

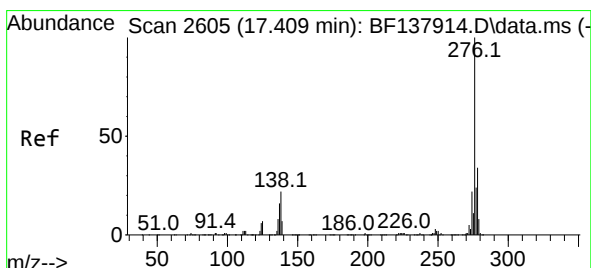
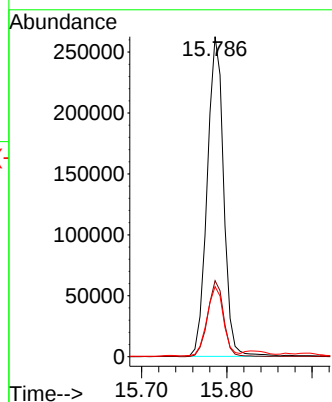
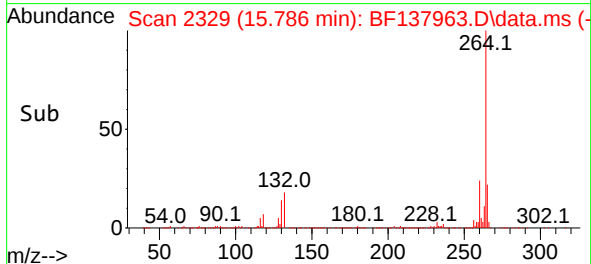
Instrument :
BNA_F
ClientSampleId :
WCS-TPI



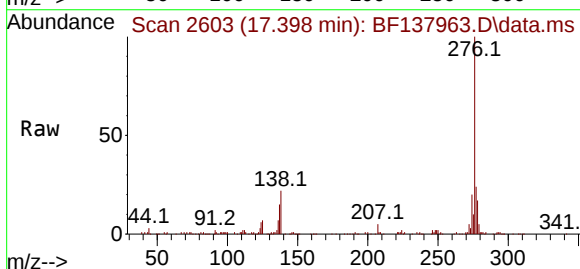
Tgt Ion:264 Resp: 35108
Ion Ratio Lower Upper
264 100
260 23.7 18.3 27.5
265 21.9 17.6 26.4

Manual Integrations
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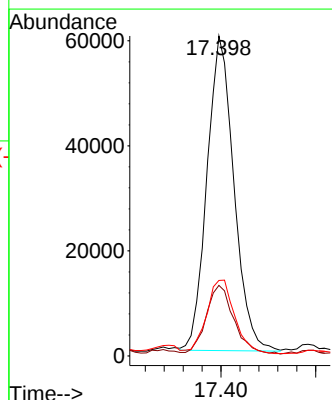
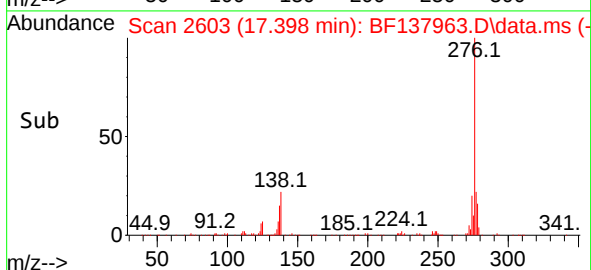
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024

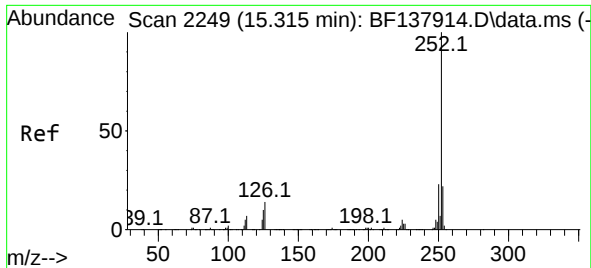


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.251 ng
RT: 17.398 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08



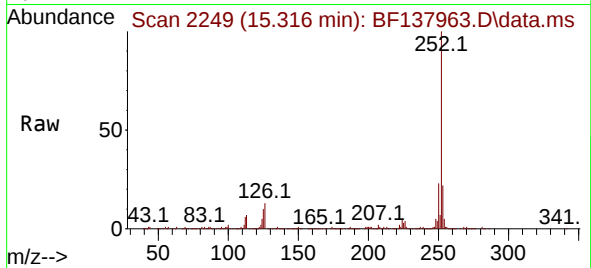
Tgt Ion:276 Resp: 118433
Ion Ratio Lower Upper
276 100
138 22.7 20.6 30.8
277 25.3 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 11.644 ng m
RT: 15.316 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

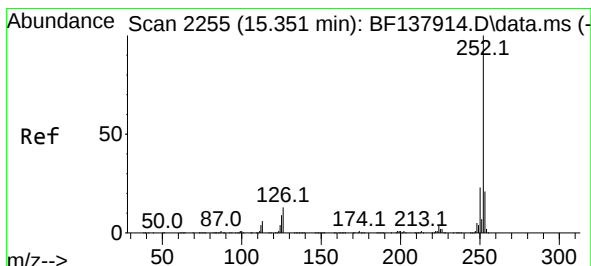
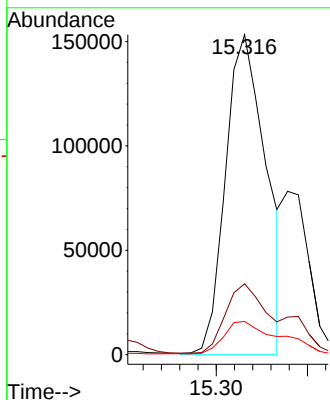
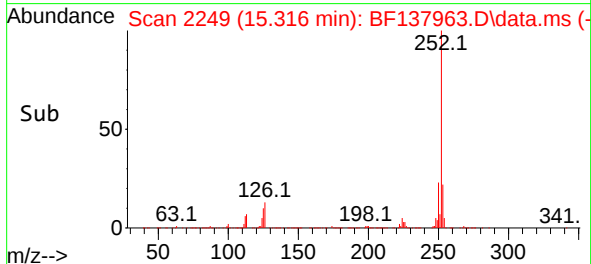
Instrument :
BNA_F
ClientSampleId :
WCS-TPI



Tgt Ion:252 Resp: 23670
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 10.4 8.2 12.4

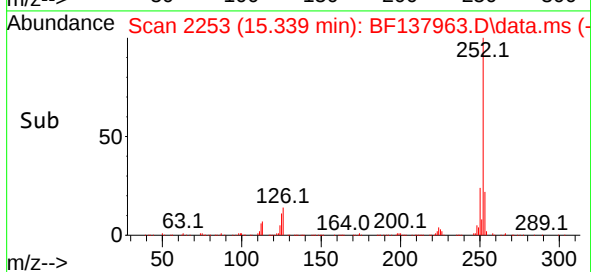
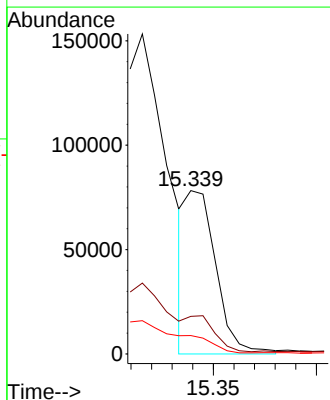
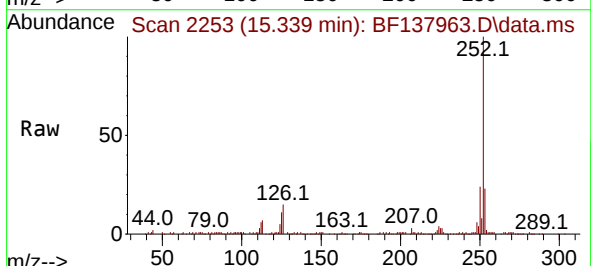
Manual Integrations
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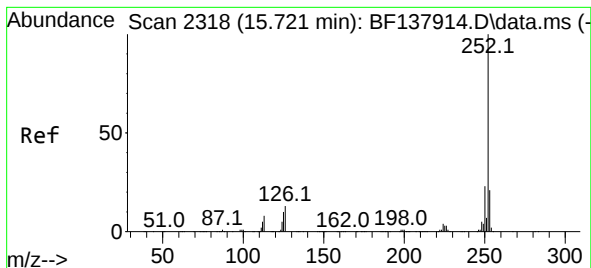
Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#89
Benzo(k)fluoranthene
Concen: 3.967 ng m
RT: 15.339 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF137963.D
Acq: 20 May 2024 17:08

Tgt Ion:252 Resp: 79224
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.3 7.7 11.5





#90

Benzo(a)pyrene

Concen: 10.305 ng

RT: 15.716 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Instrument :

BNA_F

ClientSampleId :

WCS-TPI

Tgt Ion:252 Resp: 178878

Ion Ratio Lower Upper

252 100

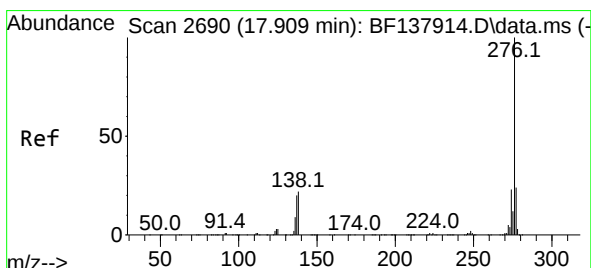
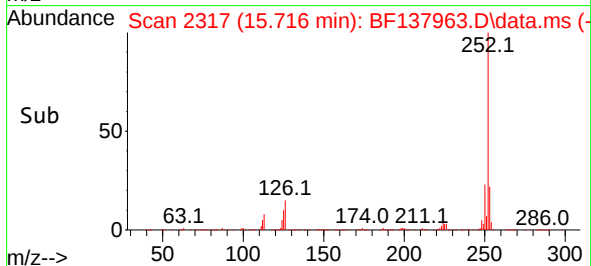
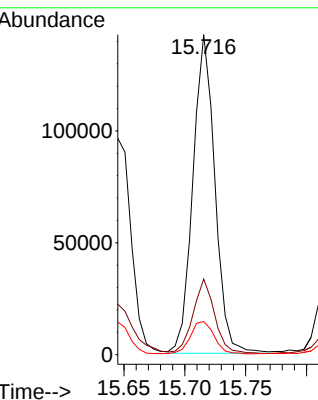
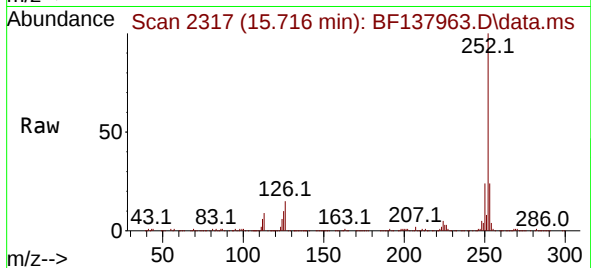
253 23.6 17.0 25.6

125 10.4 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/21/2024
Supervised By :mohammad ahmed 05/22/2024



#92

Benzo(g,h,i)perylene

Concen: 5.859 ng

RT: 17.898 min Scan# 2688

Delta R.T. -0.012 min

Lab File: BF137963.D

Acq: 20 May 2024 17:08

Tgt Ion:276 Resp: 114713

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 22.3 17.6 26.4

