

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137061.D
 Acq On : 15 Jan 2024 14:13
 Operator : CG\JU
 Sample : 05789-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E8965C-5-001

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

Quant Time: Jan 15 14:36:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	49250	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	183663	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	85938	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	144281	20.000	ng	0.00
76) Chrysene-d12	13.974	240	125033	20.000	ng	0.00
86) Perylene-d12	15.468	264	134636	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	100751	31.919	ng	0.00
7) Phenol-d6	6.434	99	142434	34.825	ng	0.00
23) Nitrobenzene-d5	7.345	82	237092	66.057	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	9021	8.913	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	440742	68.979	ng	-0.01
79) Terphenyl-d14	12.910	244	366840	41.001	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.086	128	518126	51.351	ng	99
37) 2-Methylnaphthalene	8.775	142	63938	9.846	ng	96
38) 1-Methylnaphthalene	8.875	142	34719	5.450	ng	99
52) Acenaphthene	9.851	154	37243	7.170	ng	97
55) Dibenzofuran	10.027	168	51719	6.568	ng	93
58) Fluorene	10.369	166	45436	7.272	ng	99
71) Phenanthrene	11.339	178	310527	41.945	ng	99
72) Anthracene	11.392	178	47199	6.295	ng	96
73) Carbazole	11.551	167	29041	4.108	ng	99
75) Fluoranthene	12.539	202	250677	31.656	ng	99
77) Benzidine	12.668	184	11116	3.015	ng	# 92
78) Pyrene	12.768	202	215238	17.536	ng	99
81) Benzo(a)anthracene	13.962	228	91025	10.484	ng	98
83) Chrysene	13.998	228	88464m	10.419	ng	
87) Indeno(1,2,3-cd)pyrene	16.992	276	37559	3.864	ng	97
88) Benzo(b)fluoranthene	15.027	252	104822m	11.657	ng	
89) Benzo(k)fluoranthene	15.057	252	35056m	4.126	ng	
90) Benzo(a)pyrene	15.404	252	68706	9.051	ng	98
92) Benzo(g,h,i)perylene	17.450	276	36598	4.481	ng	95

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

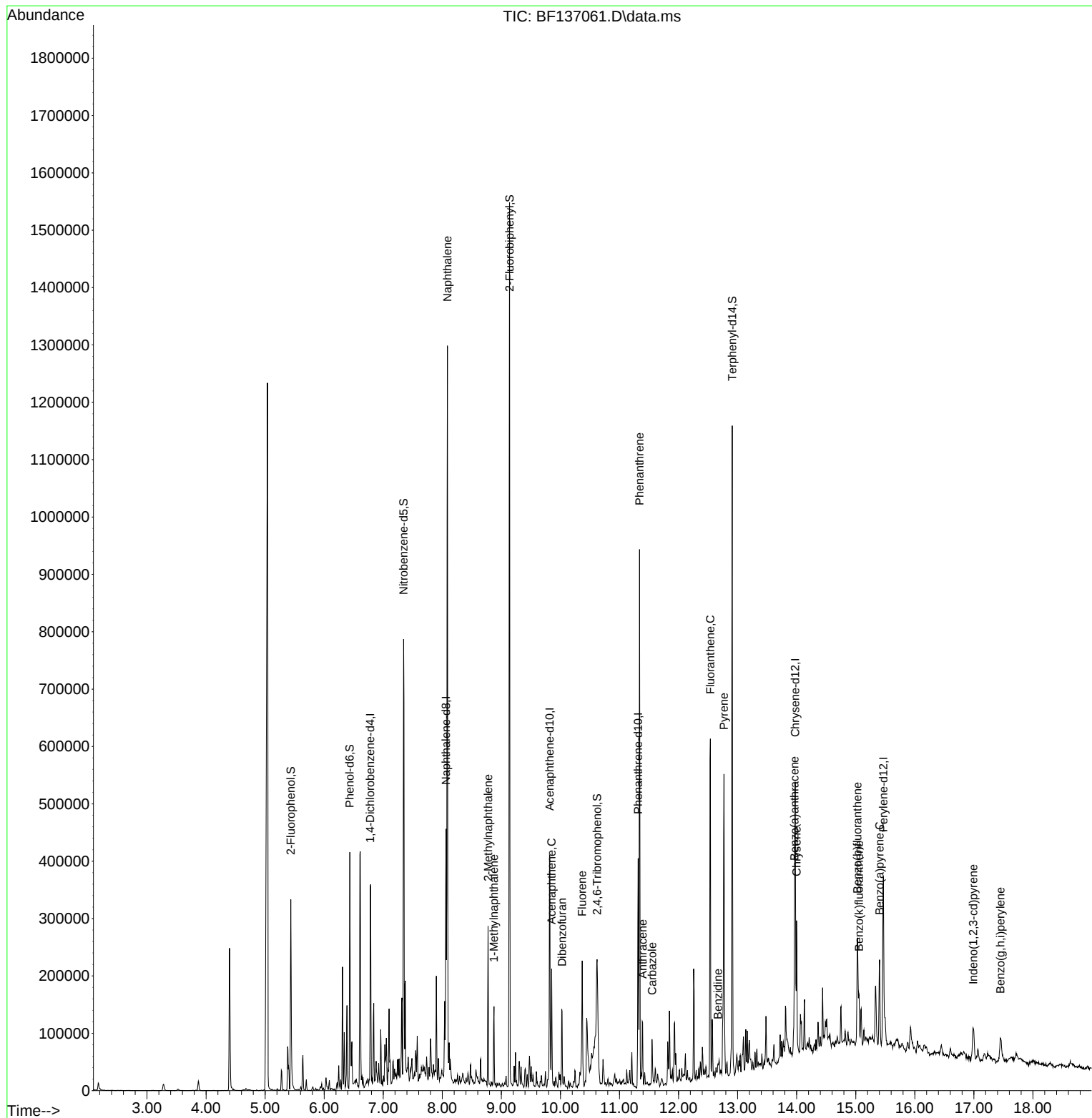
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
Data File : BF137061.D
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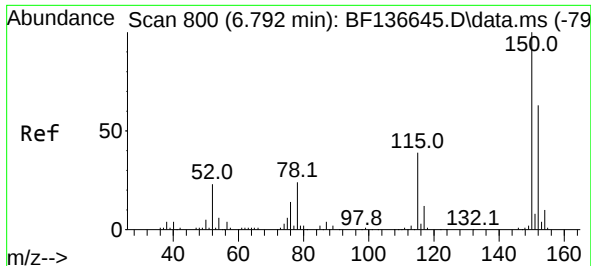
Instrument :
BNA_F
ClientSampleId :
E8965C-5-001

Quant Time: Jan 15 14:36:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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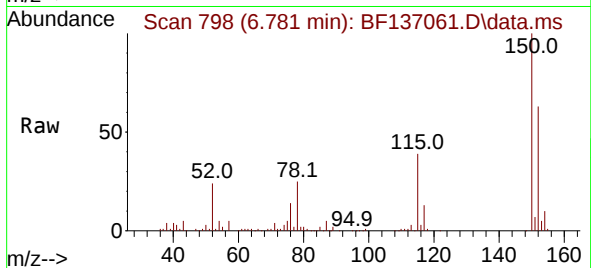
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

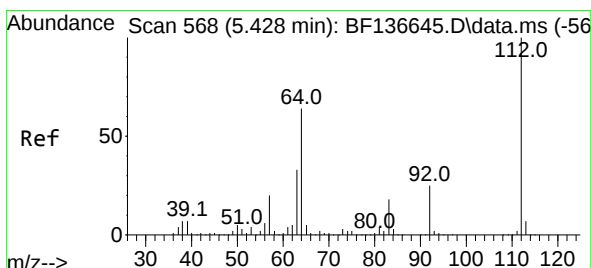
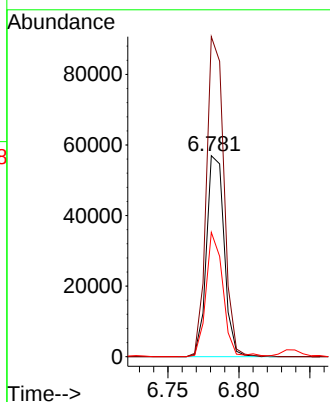
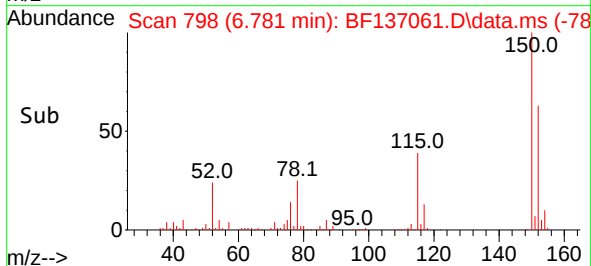
Instrument :
BNA_F
ClientSampleId :
E8965C-5-001



Tgt Ion:152 Resp: 49250
Ion Ratio Lower Upper
152 100
150 159.3 127.0 190.6
115 61.9 49.0 73.4

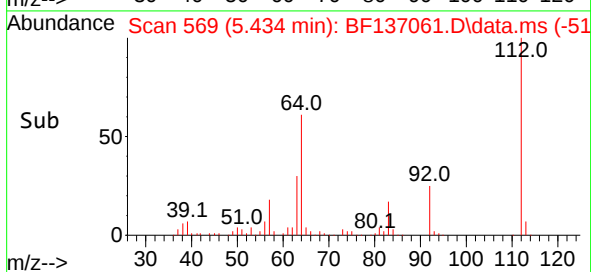
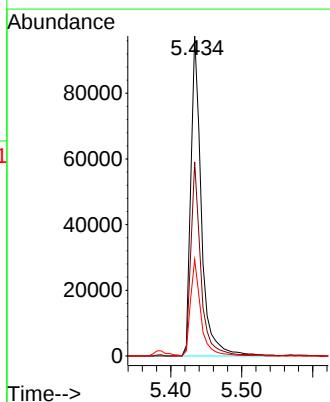
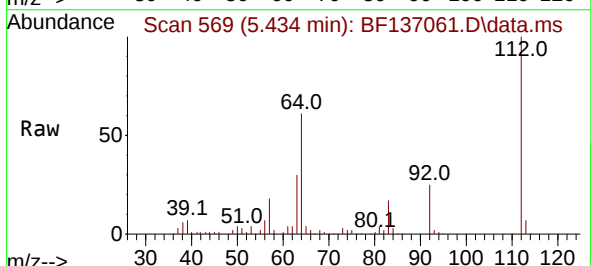
Manual Integrations
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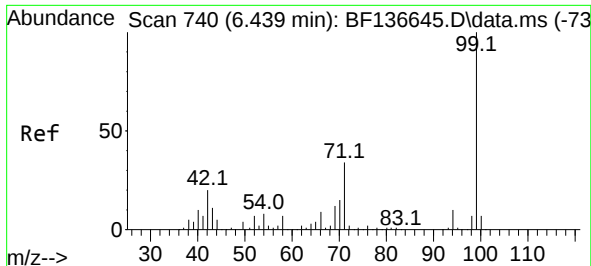
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#5
2-Fluorophenol
Concen: 31.919 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

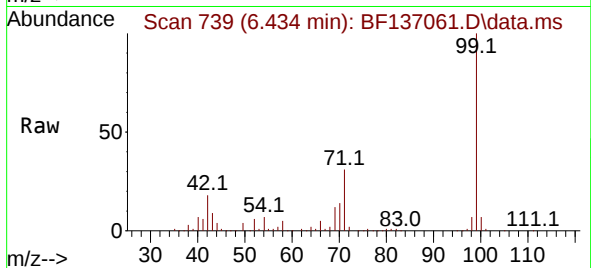
Tgt Ion:112 Resp: 100751
Ion Ratio Lower Upper
112 100
64 60.7 51.1 76.7
63 30.1 26.1 39.1





#7
Phenol-d6
Concen: 34.825 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

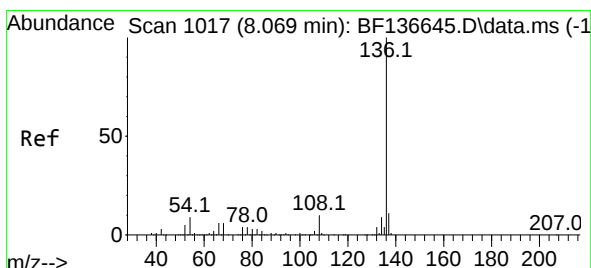
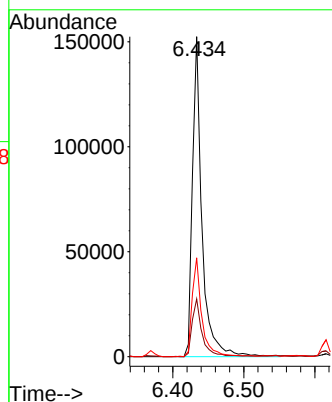
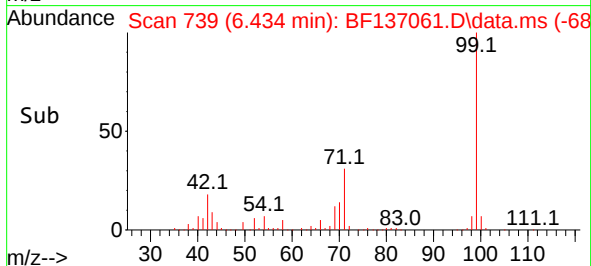
Instrument :
BNA_F
ClientSampleId :
E8965C-5-001



Tgt Ion: 99 Resp: 142434
Ion Ratio Lower Upper
99 100
42 18.0 16.1 24.1
71 30.9 27.4 41.2

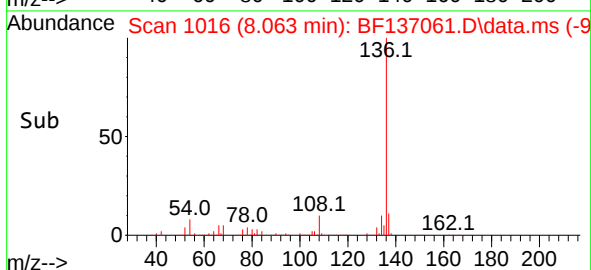
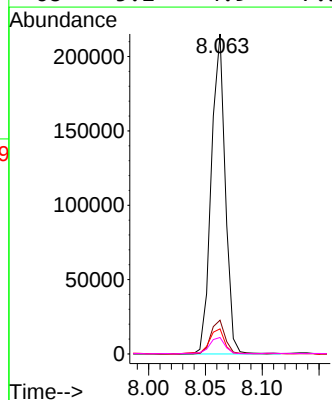
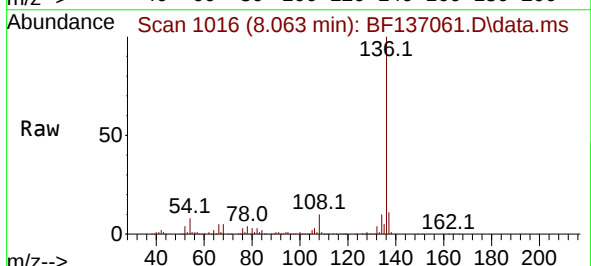
Manual Integrations
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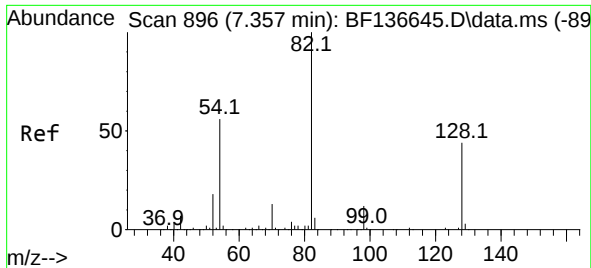
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

Tgt Ion:136 Resp: 183663
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.8 7.2 10.8
68 5.2 4.9 7.3





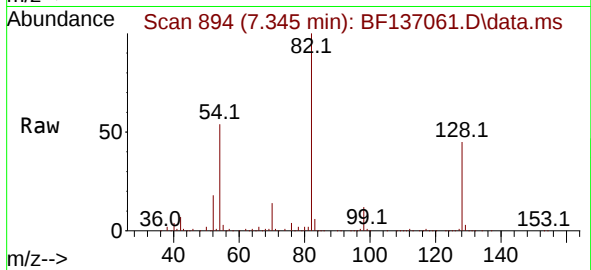
#23
Nitrobenzene-d5
Concen: 66.057 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

E8965C-5-001

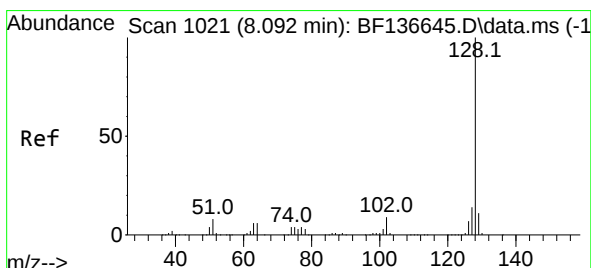
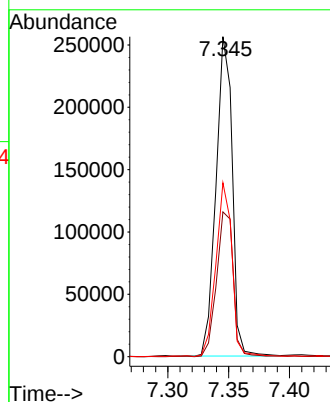
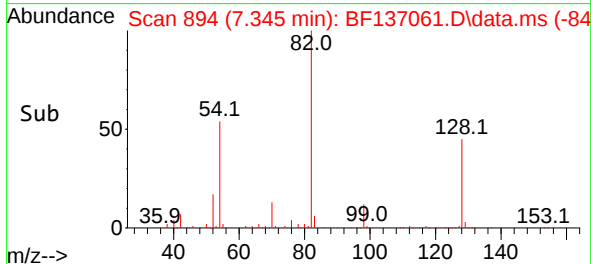


Tgt Ion: 82 Resp: 237092
Ion Ratio Lower Upper
82 100
128 45.2 35.3 52.9
54 54.3 44.5 66.7

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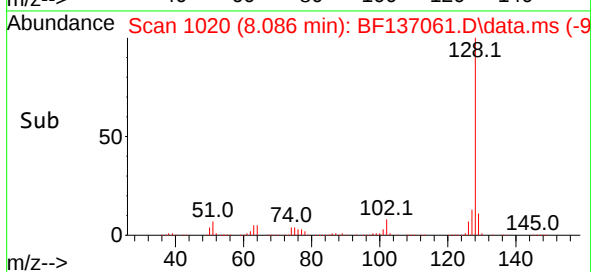
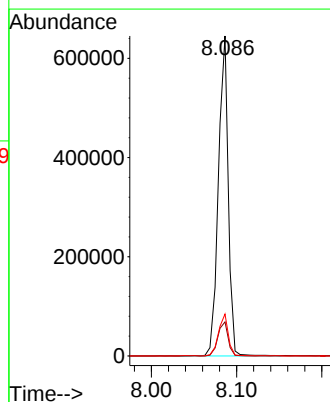
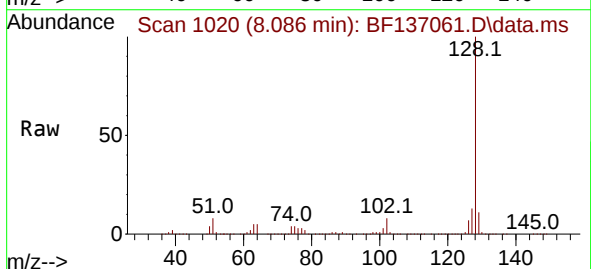
APPROVED

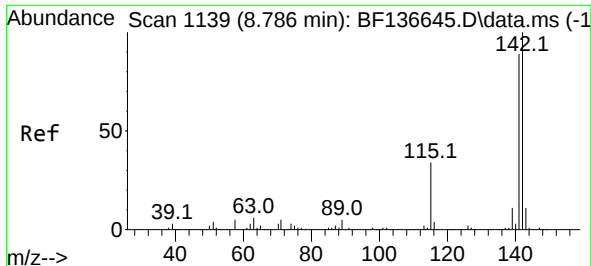
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#31
Naphthalene
Concen: 51.351 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

Tgt Ion:128 Resp: 518126
Ion Ratio Lower Upper
128 100
129 10.6 8.7 13.1
127 13.1 10.8 16.2





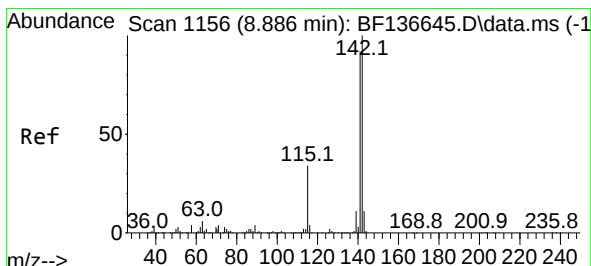
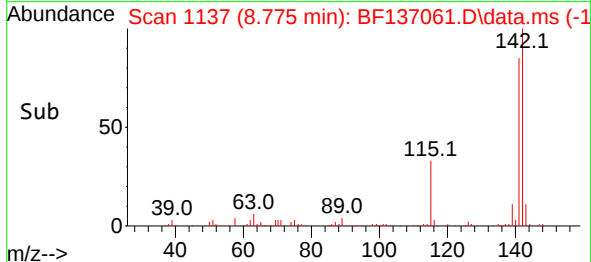
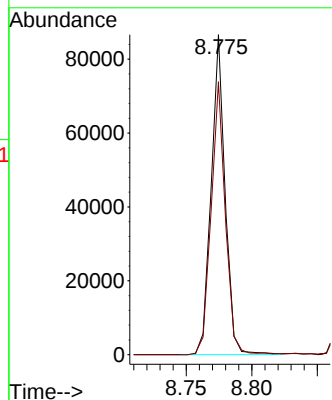
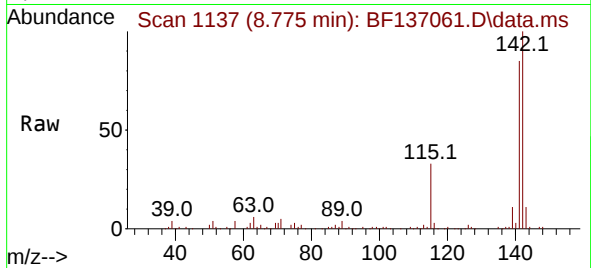
#37
2-Methylnaphthalene
Concen: 9.846 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

Instrument :
BNA_F
ClientSampleId :
E8965C-5-001

Tgt Ion:142 Resp: 63938
Ion Ratio Lower Upper
142 100
141 85.3 71.1 106.7

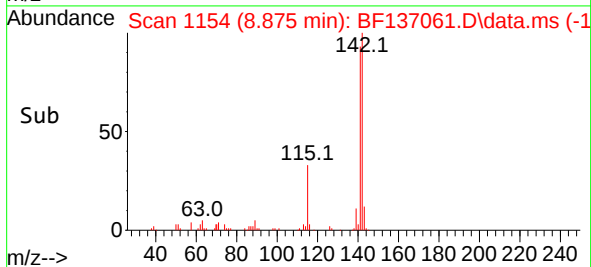
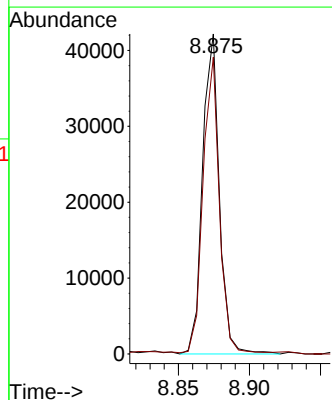
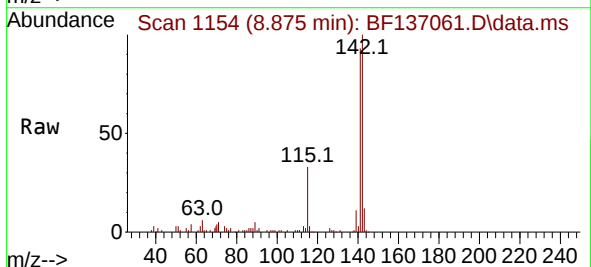
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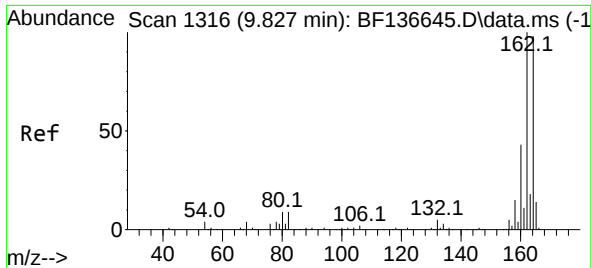
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#38
1-Methylnaphthalene
Concen: 5.450 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

Tgt Ion:142 Resp: 34719
Ion Ratio Lower Upper
142 100
141 92.8 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF137061.D

Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

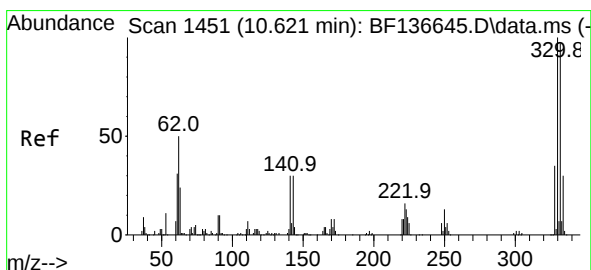
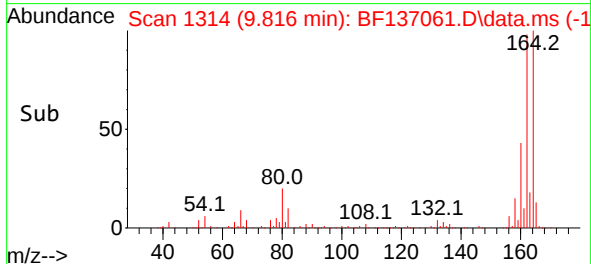
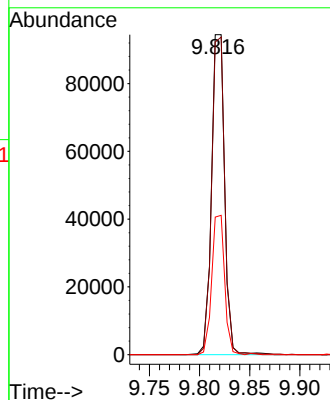
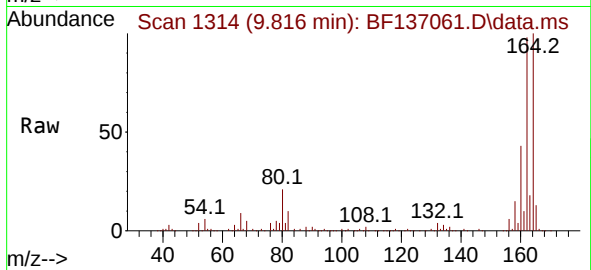
E8965C-5-001

Tgt Ion:164	Resp:	85938
Ion Ratio	Lower	Upper
164	100	
162	97.7	81.6 122.4
160	43.0	34.9 52.3

Manual Integrations

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Supervised By :mohammad ahmed 01/17/2024



#42

2,4,6-Tribromophenol

Concen: 8.913 ng

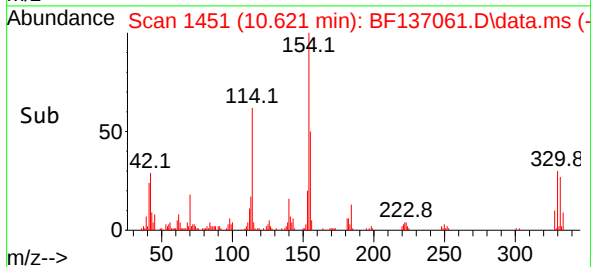
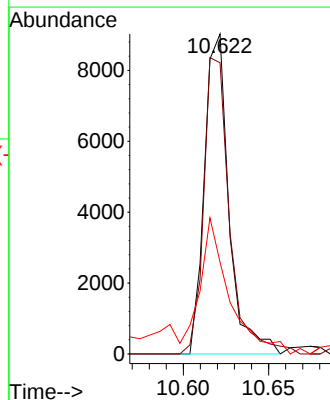
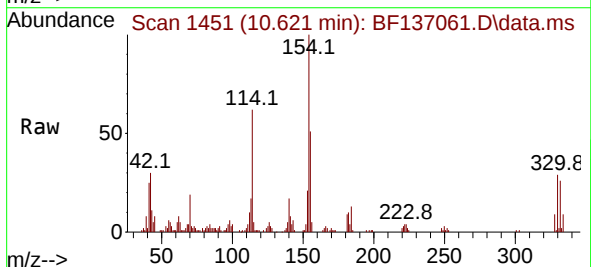
RT: 10.621 min Scan# 1451

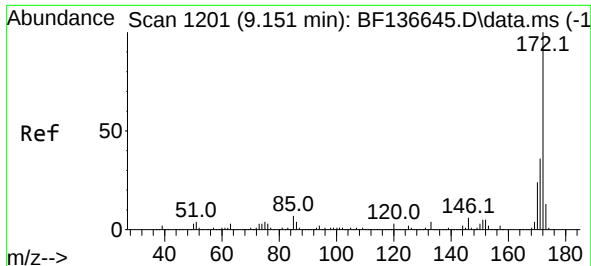
Delta R.T. 0.000 min

Lab File: BF137061.D

Acq: 15 Jan 2024 14:13

Tgt Ion:330	Resp:	9021
Ion Ratio	Lower	Upper
330	100	
332	97.9	77.4 116.0
141	60.8	23.4 35.2





#45

2-Fluorobiphenyl

Concen: 68.979 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF137061.D

Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

E8965C-5-001

Tgt Ion:172 Resp: 44074

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.6

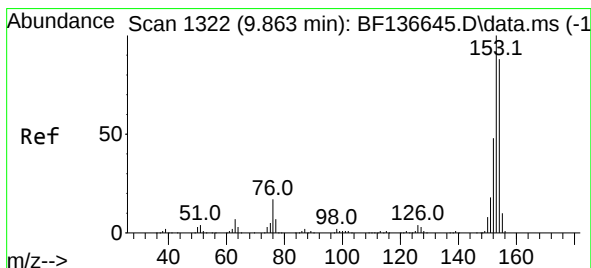
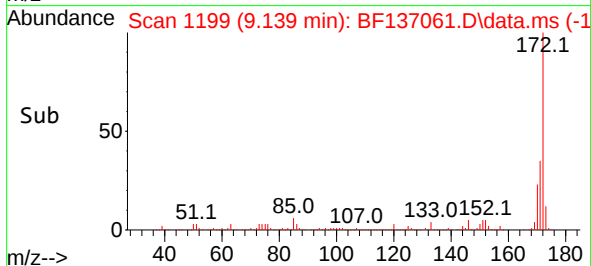
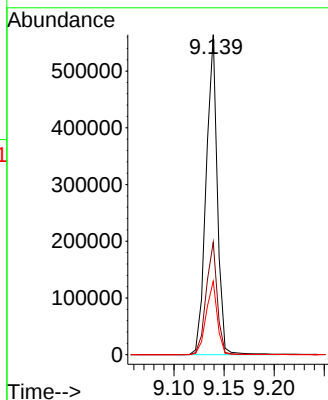
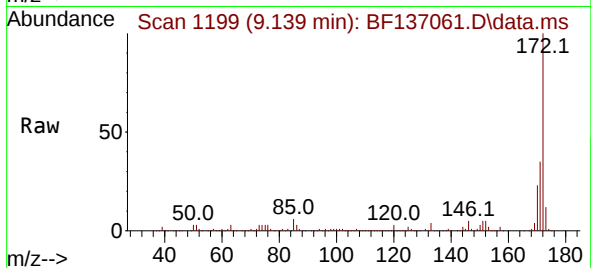
170 23.0 19.0 28.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/16/2024

Supervised By :mohammad ahmed 01/17/2024



#52

Acenaphthene

Concen: 7.170 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.012 min

Lab File: BF137061.D

Acq: 15 Jan 2024 14:13

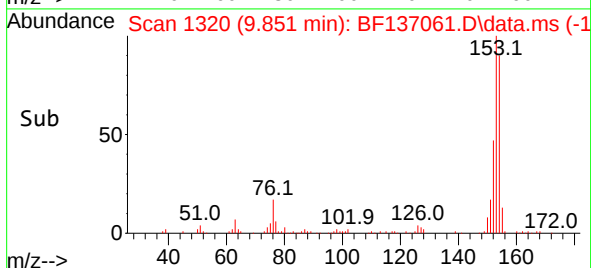
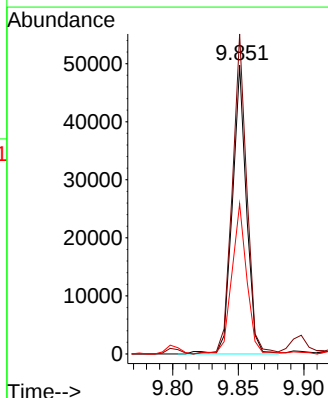
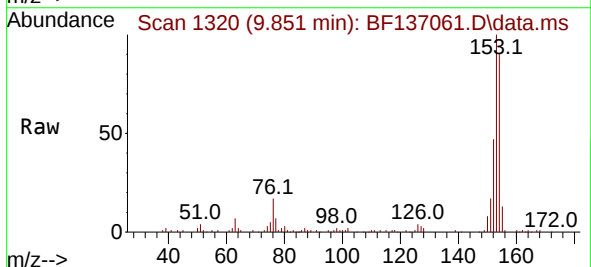
Tgt Ion:154 Resp: 37243

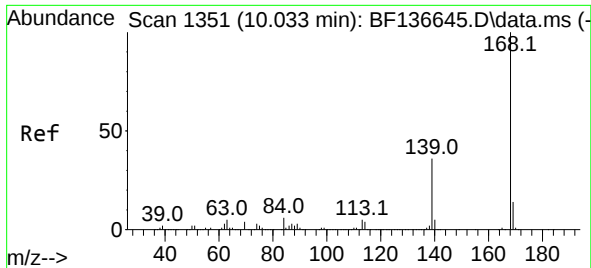
Ion Ratio Lower Upper

154 100

153 110.8 90.7 136.1

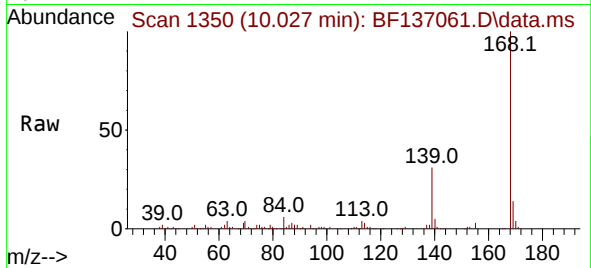
152 52.0 43.7 65.5





#55
Dibenzenofuran
Concen: 6.568 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

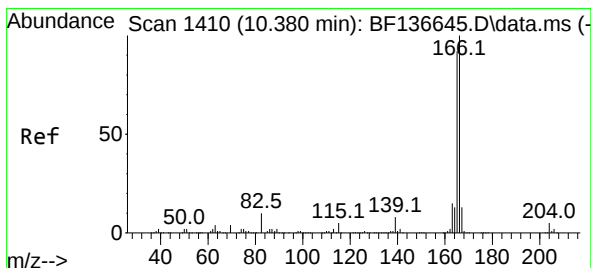
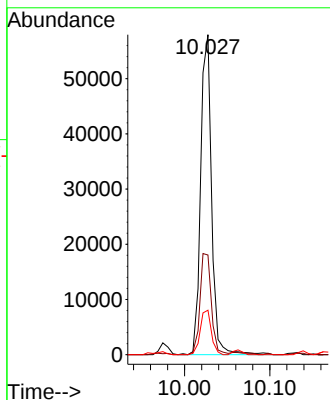
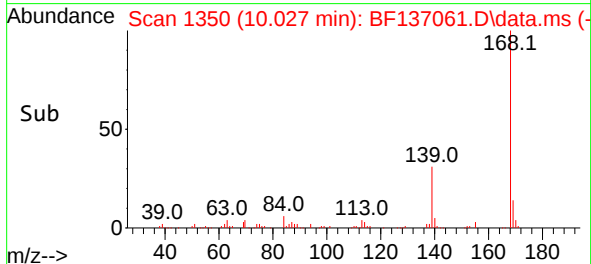
Instrument :
BNA_F
ClientSampleId :
E8965C-5-001



Tgt Ion:168 Resp: 51719
Ion Ratio Lower Upper
168 100
139 31.2 29.3 43.9
169 13.9 11.0 16.4

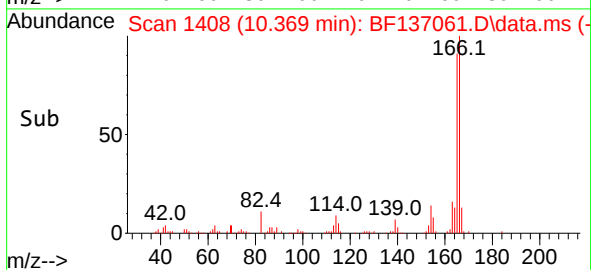
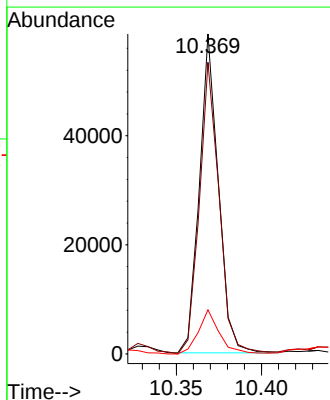
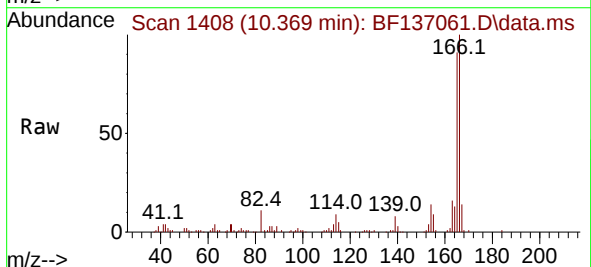
Manual Integrations
APPROVED

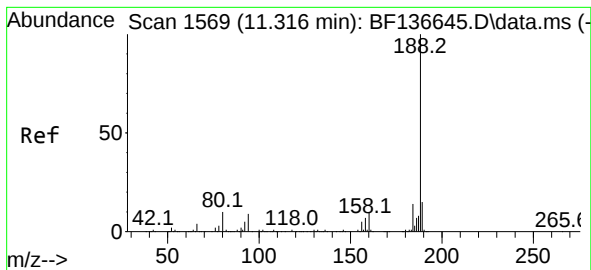
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#58
Fluorene
Concen: 7.272 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

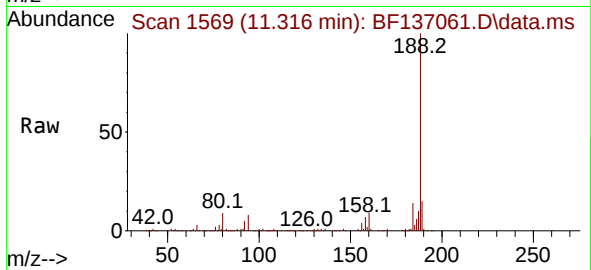
Tgt Ion:166 Resp: 45436
Ion Ratio Lower Upper
166 100
165 91.1 73.7 110.5
167 13.8 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

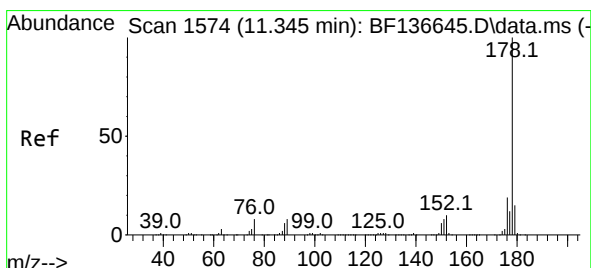
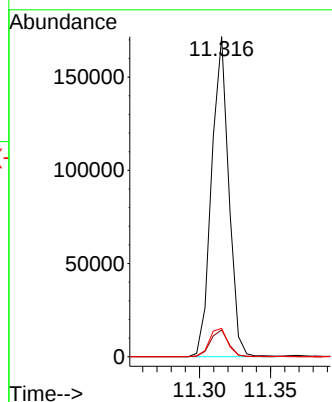
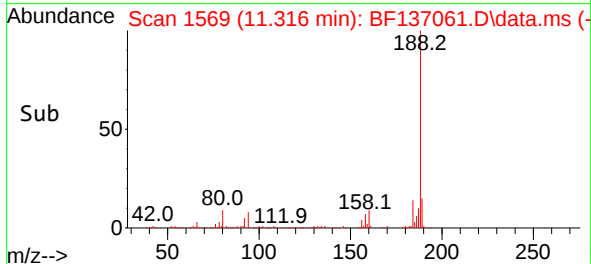
Instrument :
BNA_F
ClientSampleId :
E8965C-5-001



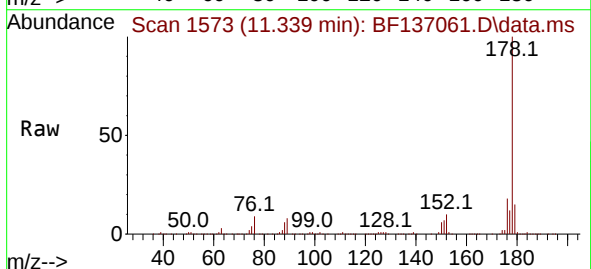
Tgt Ion:188 Resp: 14428
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 8.9 8.1 12.1

Manual Integrations
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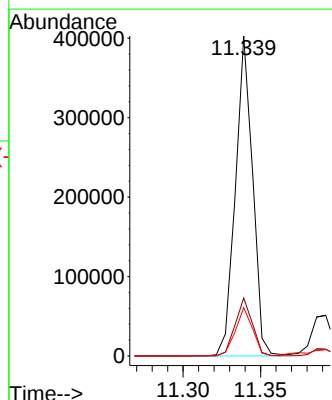
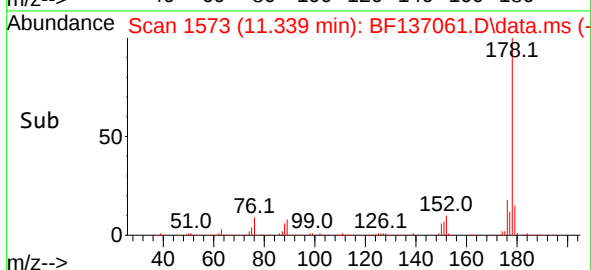
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

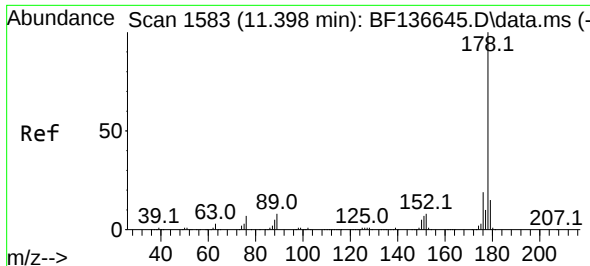


#71
Phenanthrene
Concen: 41.945 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13



Tgt Ion:178 Resp: 310527
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.1 11.9 17.9





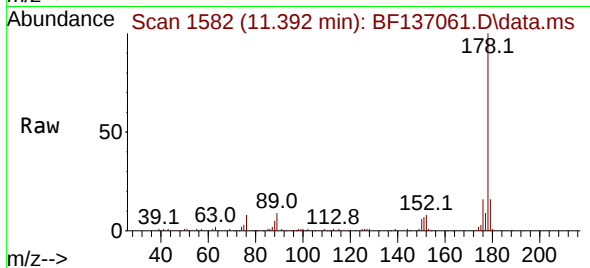
#72
 Anthracene
 Concen: 6.295 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137061.D
 Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

E8965C-5-001

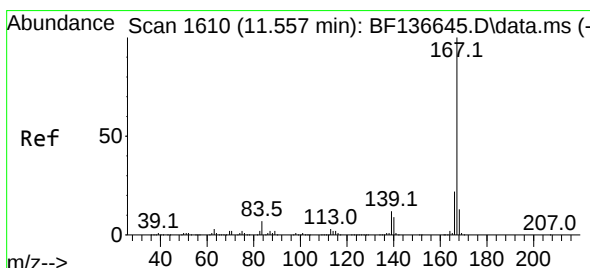
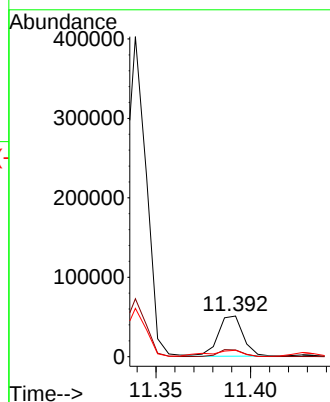
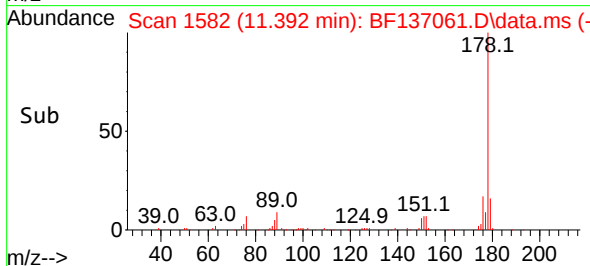


Tgt Ion:178 Resp: 47199
 Ion Ratio Lower Upper
 178 100
 176 16.4 14.9 22.3
 179 15.9 11.8 17.6

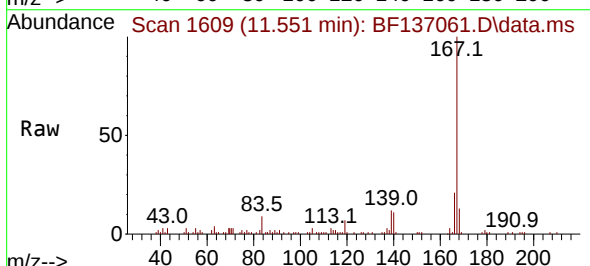
Manual Integrations

APPROVED

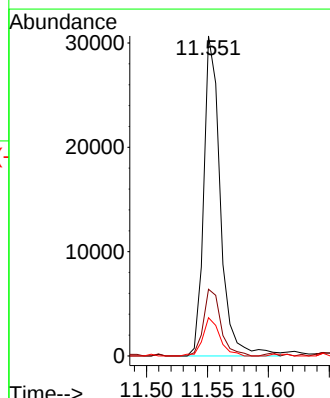
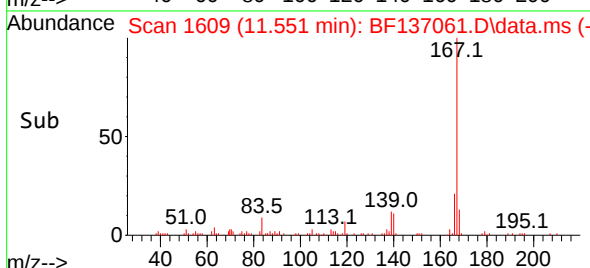
Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

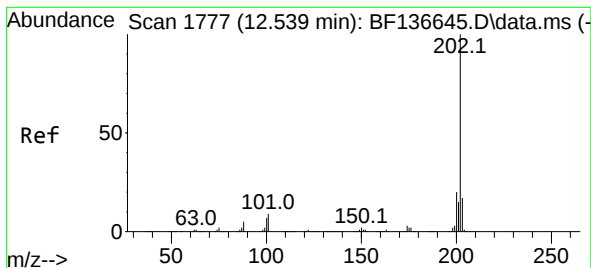


#73
 Carbazole
 Concen: 4.108 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137061.D
 Acq: 15 Jan 2024 14:13



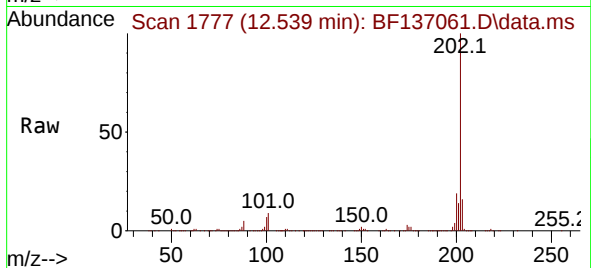
Tgt Ion:167 Resp: 29041
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.3 25.9
 139 11.9 9.8 14.6





#75
Fluoranthene
Concen: 31.656 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

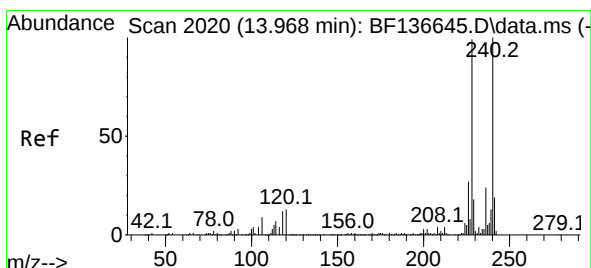
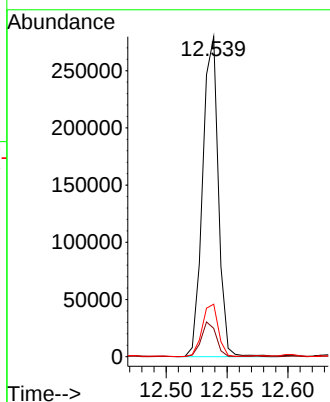
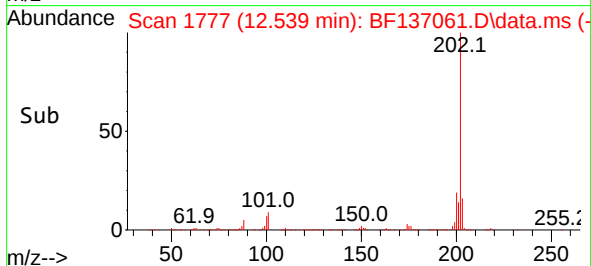
Instrument :
BNA_F
ClientSampleId :
E8965C-5-001



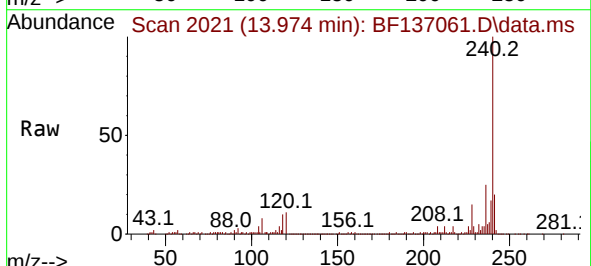
Tgt Ion:202 Resp: 25067
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.3
203 16.4 0.0 37.1

Manual Integrations
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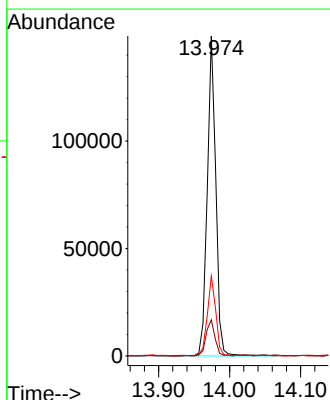
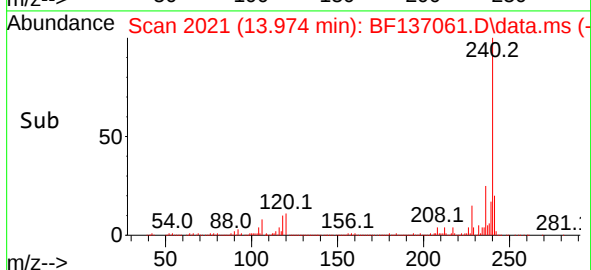
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

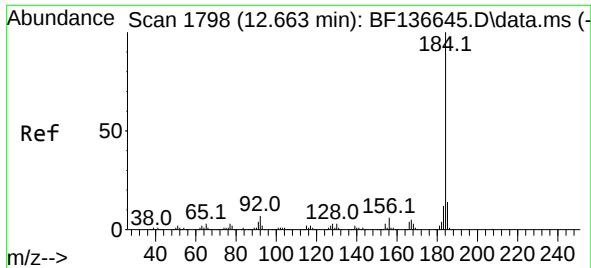


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13



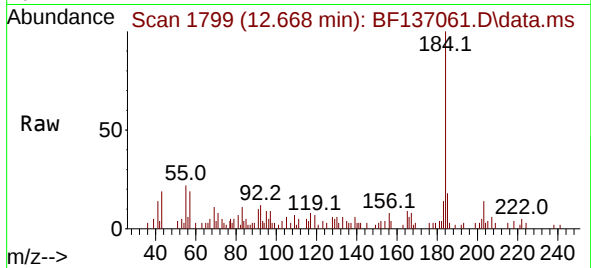
Tgt Ion:240 Resp: 125033
Ion Ratio Lower Upper
240 100
120 11.3 10.3 15.5
236 24.9 19.4 29.2





#77
Benzidine
Concen: 3.015 ng
RT: 12.668 min Scan# 1798
Delta R.T. 0.006 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

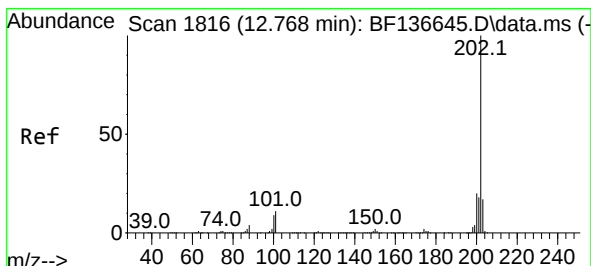
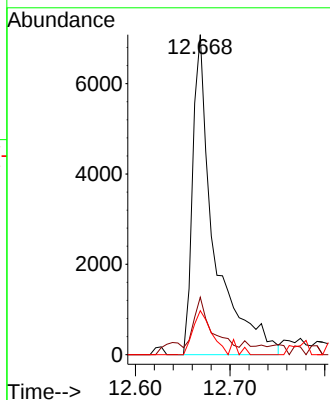
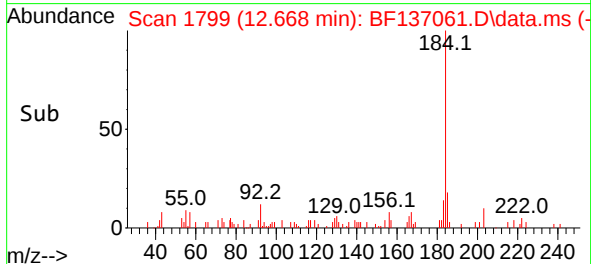
Instrument :
BNA_F
ClientSampleId :
E8965C-5-001



Tgt Ion:184 Resp: 11110
Ion Ratio Lower Upper
184 100
185 17.9 11.2 16.8
183 13.7 9.3 13.9

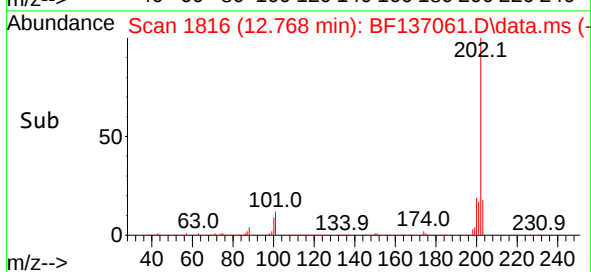
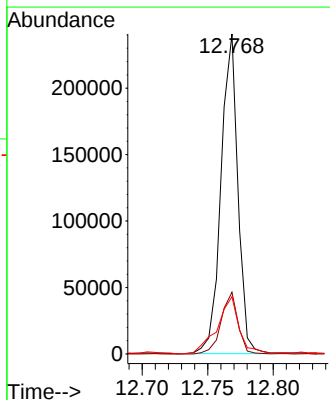
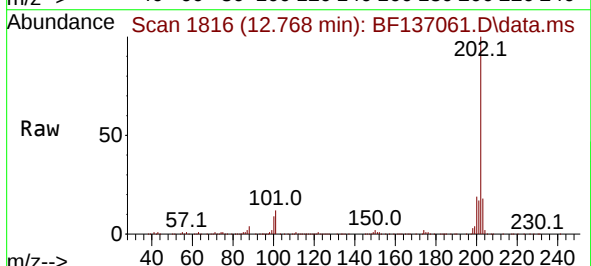
Manual Integrations
APPROVED

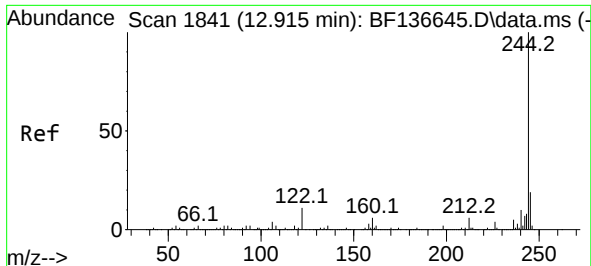
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#78
Pyrene
Concen: 17.536 ng
RT: 12.768 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

Tgt Ion:202 Resp: 215238
Ion Ratio Lower Upper
202 100
200 19.3 15.9 23.9
203 17.9 13.8 20.6





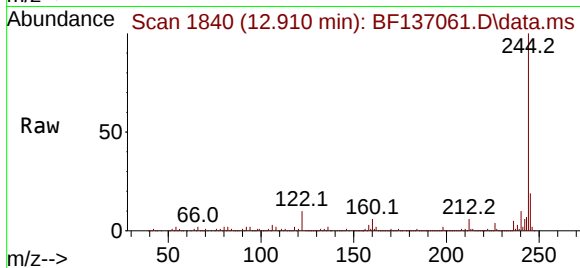
#79
 Terphenyl-d14
 Concen: 41.001 ng
 RT: 12.910 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF137061.D
 Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

E8965C-5-001

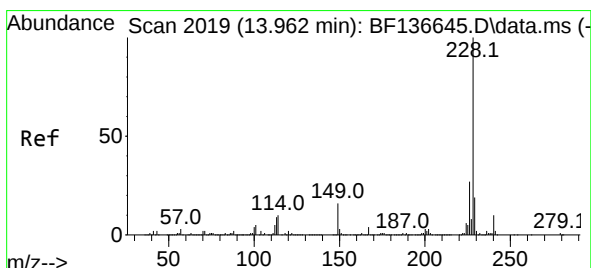
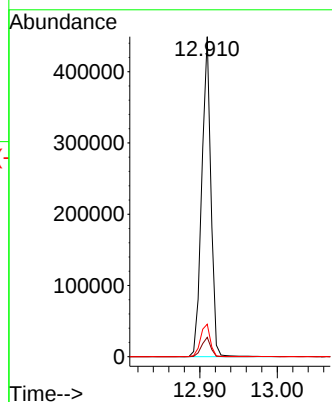
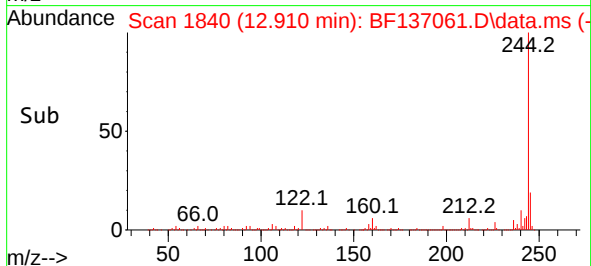


Tgt Ion:244 Resp: 366840
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 10.2 9.0 13.4

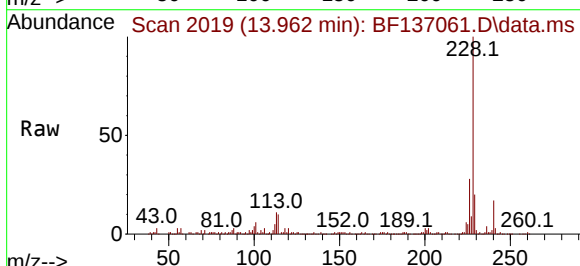
Manual Integrations

APPROVED

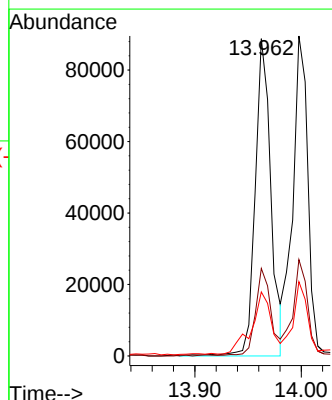
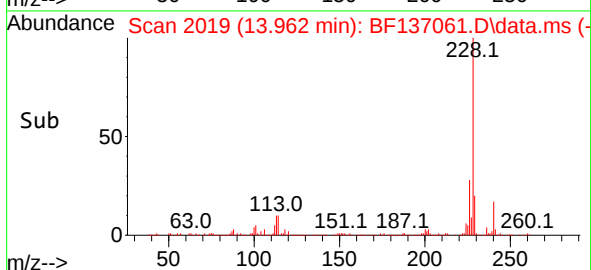
Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

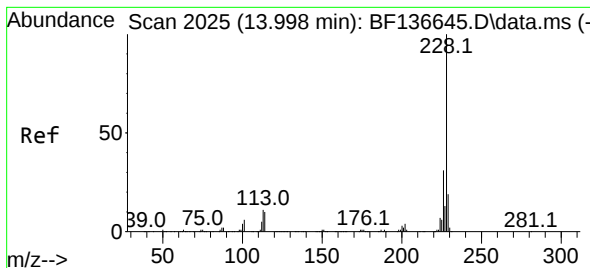


#81
 Benzo(a)anthracene
 Concen: 10.484 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF137061.D
 Acq: 15 Jan 2024 14:13



Tgt Ion:228 Resp: 91025
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.4 32.0
 229 20.2 14.9 22.3





#83

Chrysene

Concen: 10.419 ng m

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF137061.D

Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

E8965C-5-001

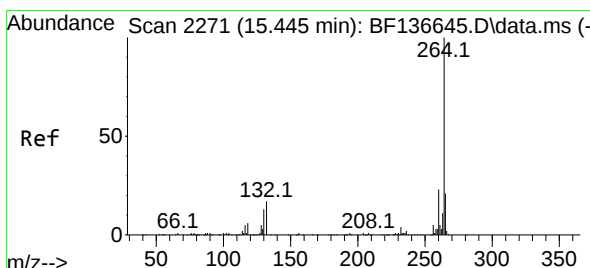
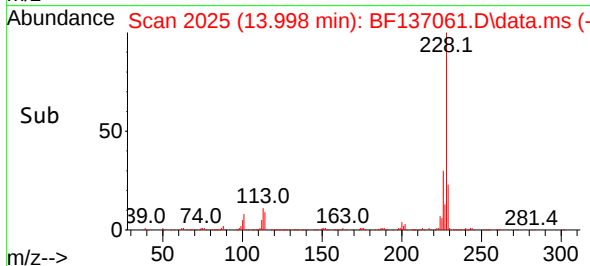
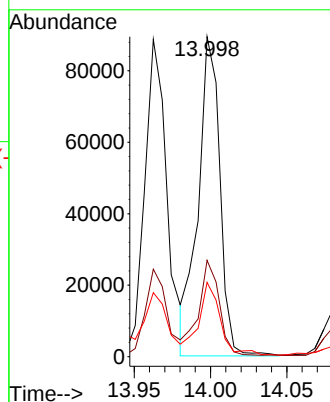
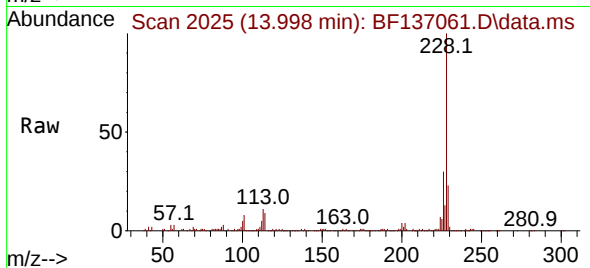
Tgt Ion:228 Resp: 88464

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	23.2	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

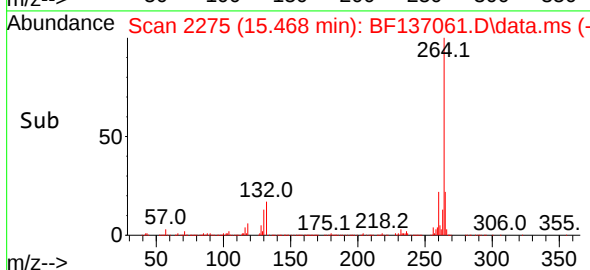
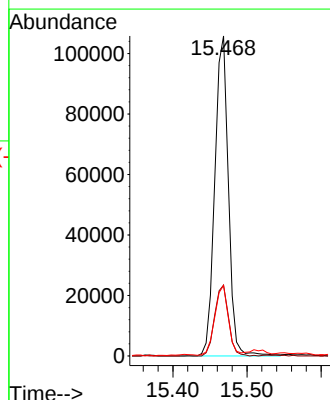
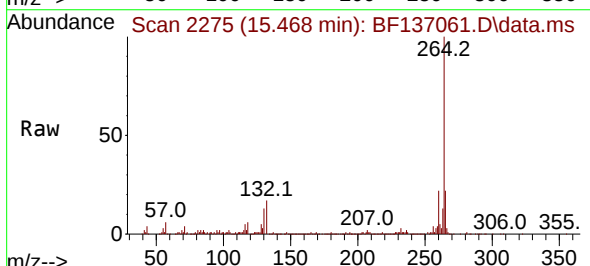
Delta R.T. 0.024 min

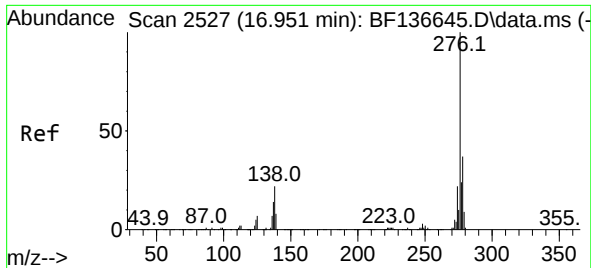
Lab File: BF137061.D

Acq: 15 Jan 2024 14:13

Tgt Ion:264 Resp: 134636

Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.3	27.5
265	22.1	17.0	25.6





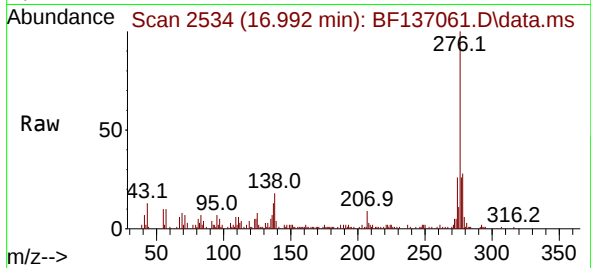
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.864 ng
RT: 16.992 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

E8965C-5-001

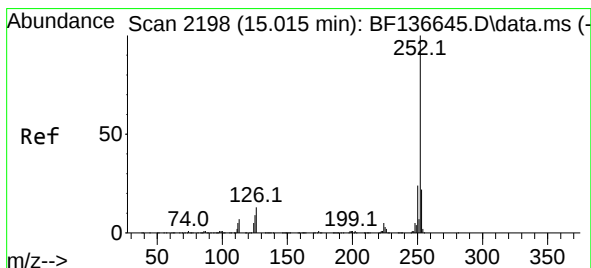
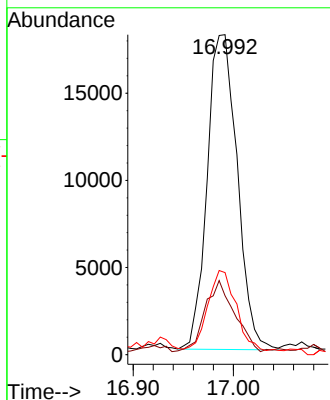
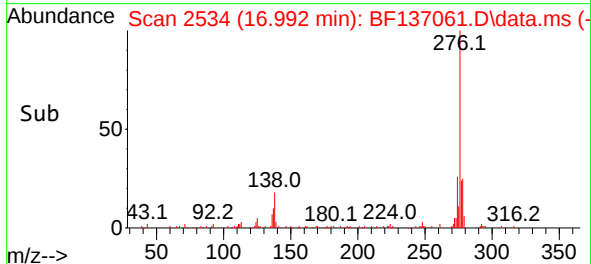


Tgt Ion:276 Resp: 37559
Ion Ratio Lower Upper
276 100
138 22.1 18.7 28.1
277 23.8 20.2 30.2

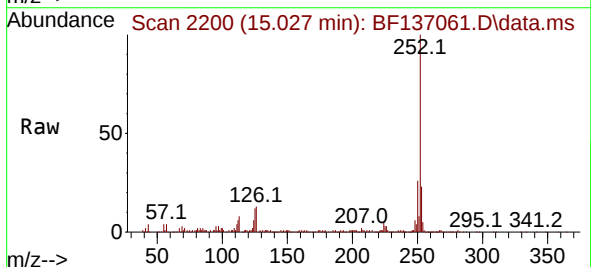
Manual Integrations

APPROVED

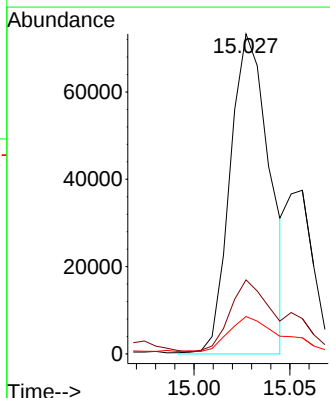
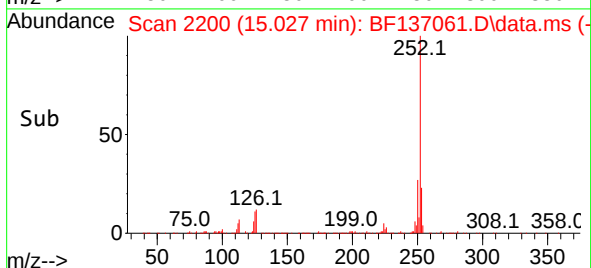
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

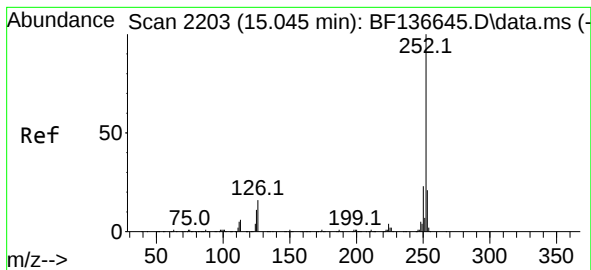


#88
Benzo(b)fluoranthene
Concen: 11.657 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF137061.D
Acq: 15 Jan 2024 14:13



Tgt Ion:252 Resp: 104822
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 11.7 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 4.126 ng m

RT: 15.057 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137061.D

Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

E8965C-5-001

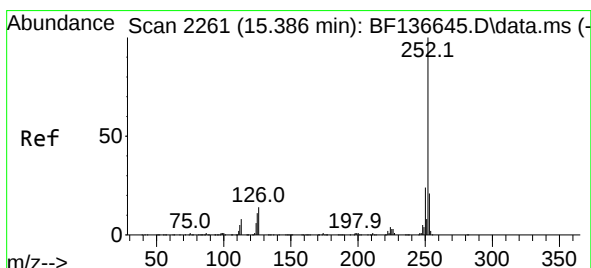
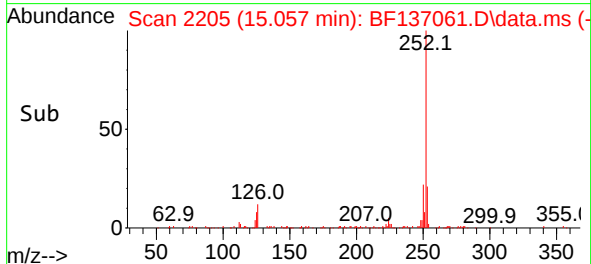
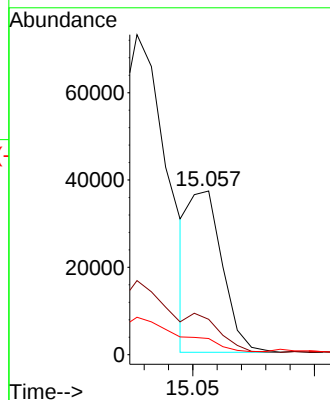
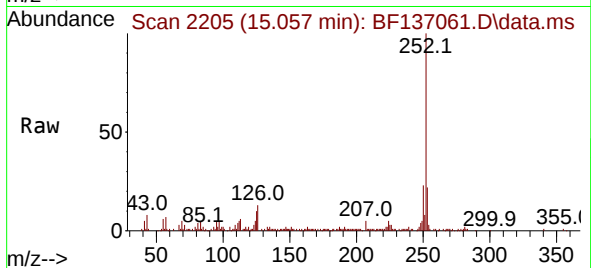
Tgt Ion:252 Resp: 35056

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	9.9	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#90

Benzo(a)pyrene

Concen: 9.051 ng

RT: 15.404 min Scan# 2264

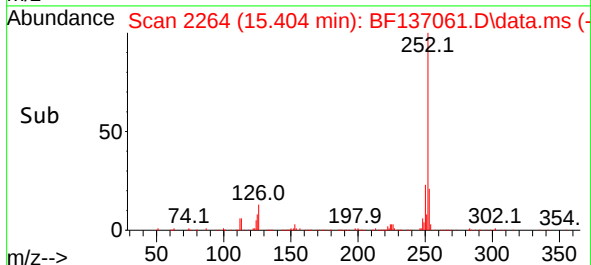
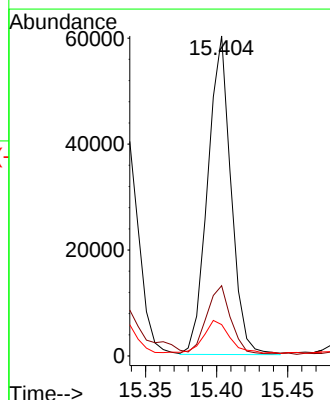
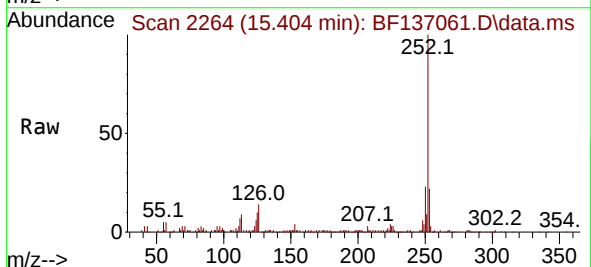
Delta R.T. 0.018 min

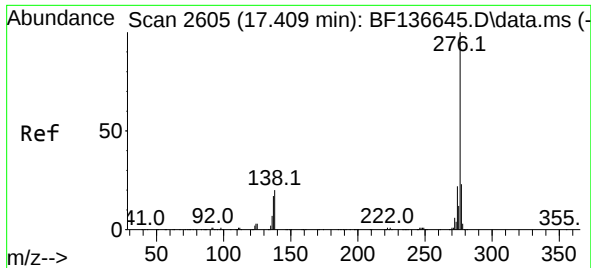
Lab File: BF137061.D

Acq: 15 Jan 2024 14:13

Tgt Ion:252 Resp: 68706

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	9.8	8.8	13.2





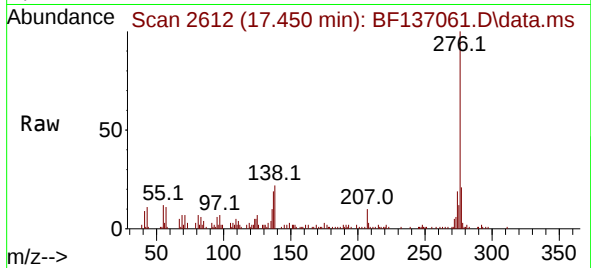
#92
 Benzo(g,h,i)perylene
 Concen: 4.481 ng
 RT: 17.450 min Scan# 20
 Delta R.T. 0.041 min
 Lab File: BF137061.D
 Acq: 15 Jan 2024 14:13

Instrument :

BNA_F

ClientSampleId :

E8965C-5-001



Tgt Ion:276 Resp: 36598
 Ion Ratio Lower Upper
 276 100
 277 20.9 18.3 27.5
 138 22.3 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

