

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
 Data File : BF137067.D
 Acq On : 15 Jan 2024 17:09
 Operator : CG\JU
 Sample : 05993-03DL 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E8965C-S-002DL

Manual Integrations
 APPROVED

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

Quant Time: Jan 15 18:20:33 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	6.798	152	40890	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	156248	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	72342	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	135603	20.000	ng	0.00
76) Chrysene-d12	13.968	240	124298	20.000	ng	0.00
86) Perylene-d12	15.457	264	123843	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	13820	5.273	ng	0.01
7) Phenol-d6	6.457	99	82533	24.305	ng	0.02
23) Nitrobenzene-d5	7.357	82	105513	34.555	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	2472	2.901	ng	0.00
45) 2-Fluorobiphenyl	9.133	172	197153	36.655	ng	-0.02
79) Terphenyl-d14	12.904	244	220693	24.812	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.086	128	610868	71.165	ng	99
37) 2-Methylnaphthalene	8.775	142	36227	6.558	ng	95
38) 1-Methylnaphthalene	8.869	142	17966	3.315	ng	90
71) Phenanthrene	11.333	178	30484	4.381	ng	98
75) Fluoranthene	12.533	202	32995	4.433	ng	95
78) Pyrene	12.763	202	34699	2.844	ng	100
81) Benzo(a)anthracene	13.962	228	18246	2.114	ng	97
83) Chrysene	13.998	228	19713	2.336	ng	99
88) Benzo(b)fluoranthene	15.021	252	24077m	2.911	ng	
90) Benzo(a)pyrene	15.398	252	15991	2.290	ng	98

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

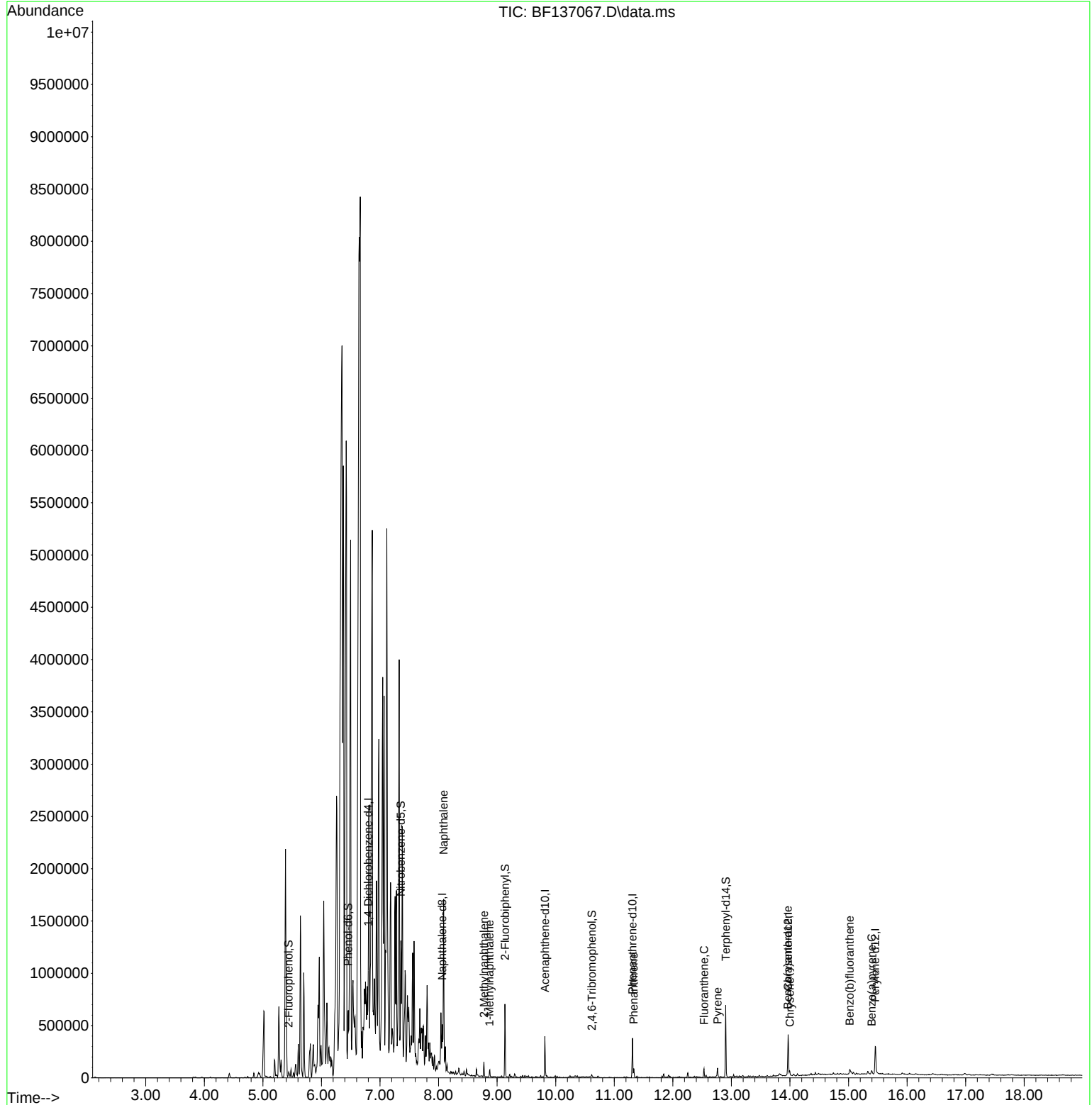
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011524\
Data File : BF137067.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

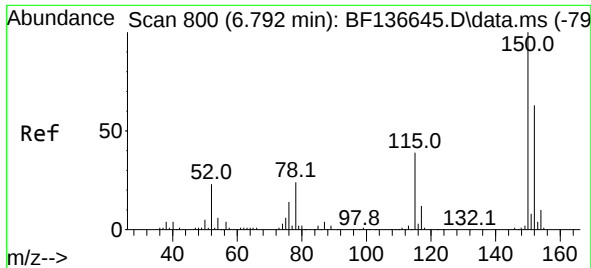
Instrument :
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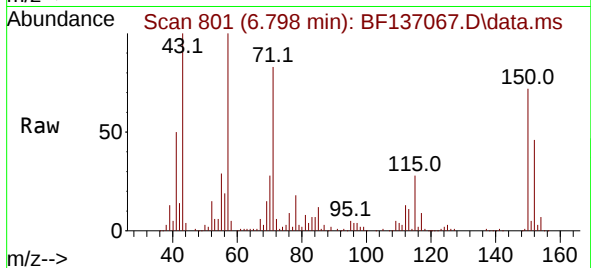
Quant Time: Jan 15 18:20:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

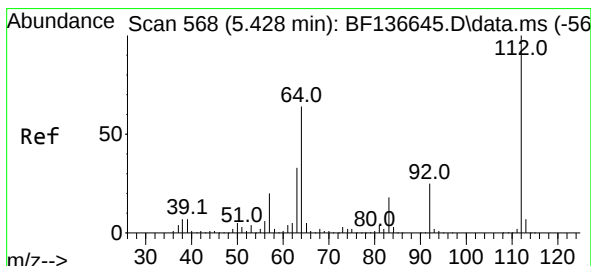
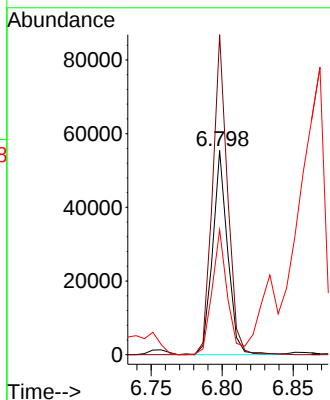
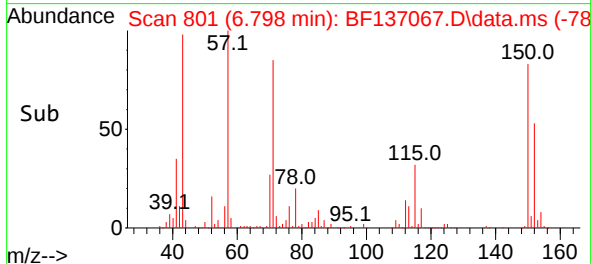
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002DL



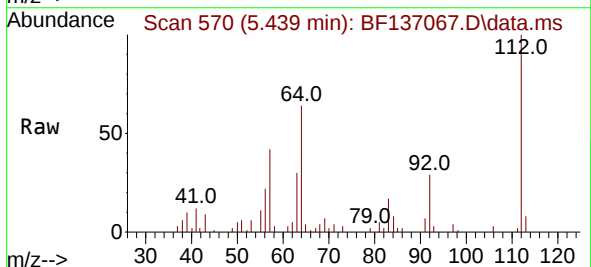
Tgt Ion:152 Resp: 40890
Ion Ratio Lower Upper
152 100
150 156.7 127.0 190.6
115 61.1 49.0 73.4

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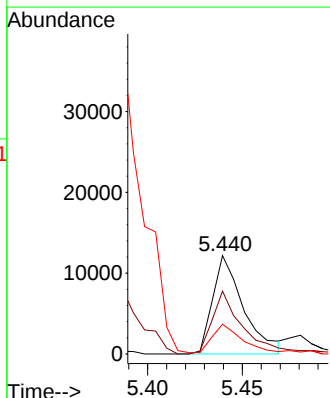
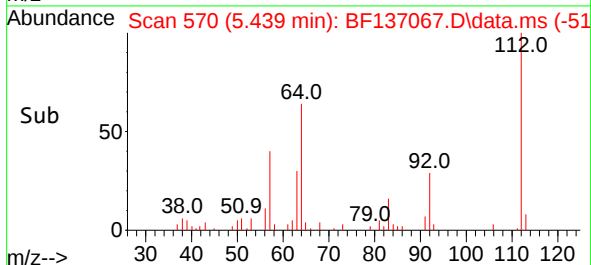
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024

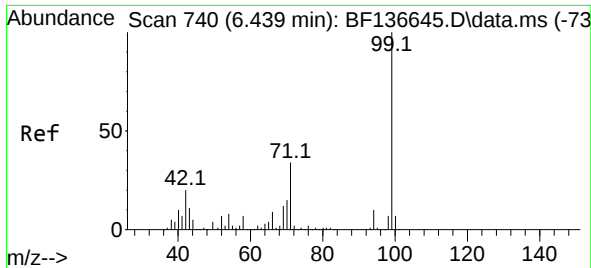


#5
2-Fluorophenol
Concen: 5.273 ng
RT: 5.439 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09



Tgt Ion:112 Resp: 13820
Ion Ratio Lower Upper
112 100
64 63.8 51.1 76.7
63 30.3 26.1 39.1





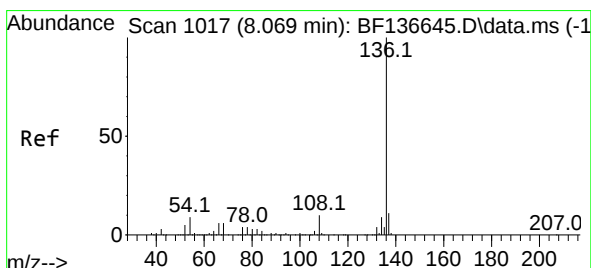
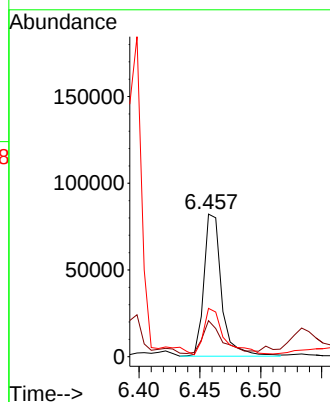
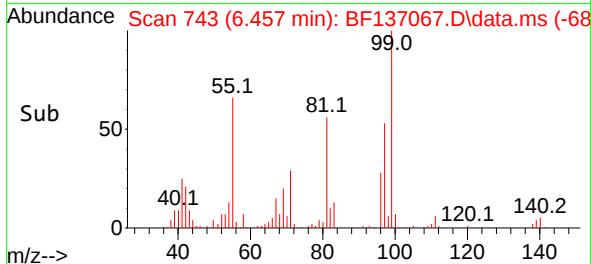
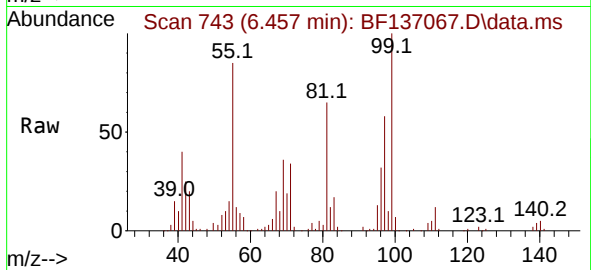
#7
Phenol-d6
Concen: 24.305 ng
RT: 6.457 min Scan# 740
Delta R.T. 0.018 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

Instrument :
BNA_F
ClientSampleId :
E8965C-S-002DL

Tgt Ion: 99 Resp: 8253
Ion Ratio Lower Upper
99 100
42 25.2 16.1 24.1
71 33.9 27.4 41.2

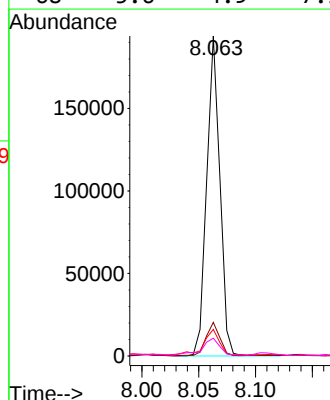
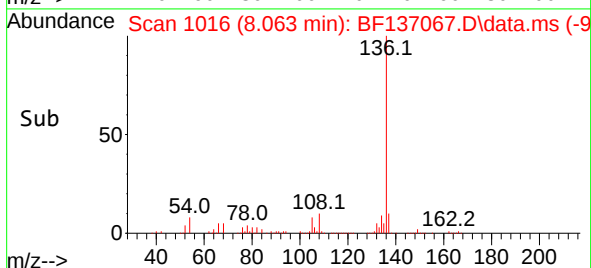
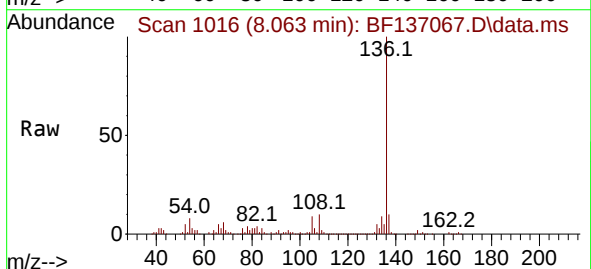
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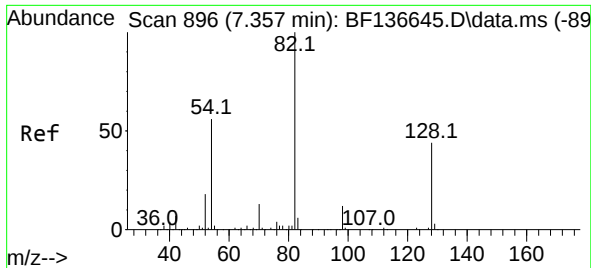
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

Tgt Ion:136 Resp: 156248
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 8.3 7.2 10.8
68 5.6 4.9 7.3





#23
Nitrobenzene-d5
Concen: 34.555 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

Instrument :

BNA_F

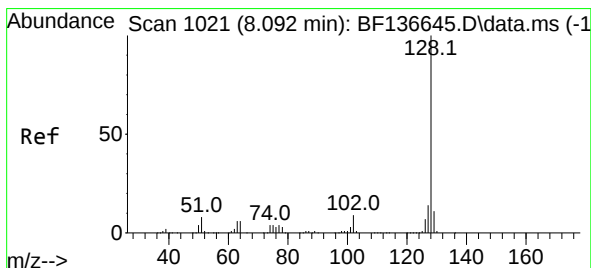
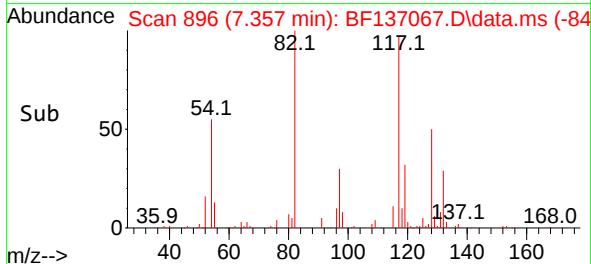
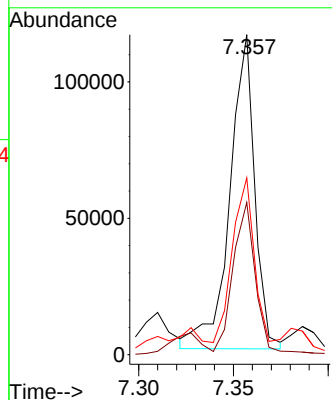
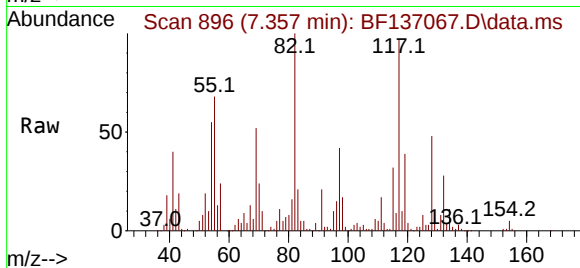
ClientSampleId :

E8965C-S-002DL

Tgt Ion: 82 Resp: 10551
Ion Ratio Lower Upper
82 100
128 47.6 35.3 52.9
54 55.2 44.5 66.7

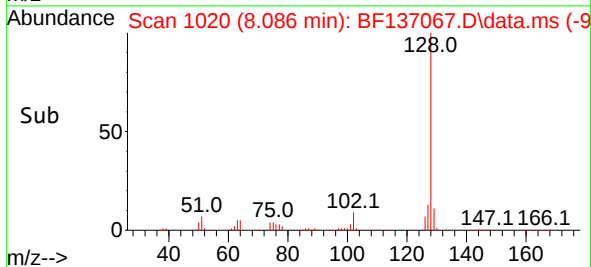
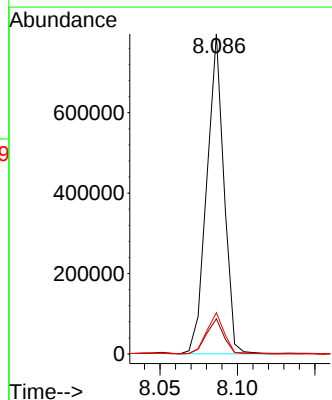
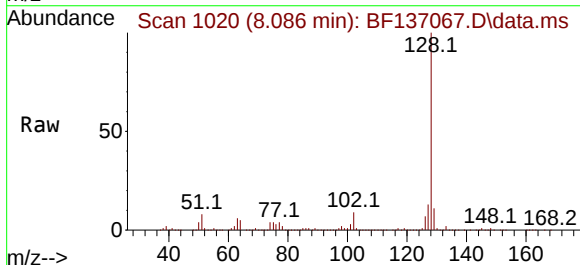
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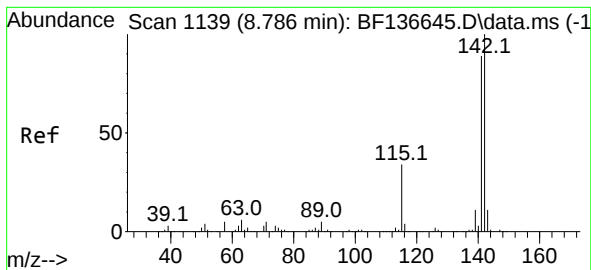
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#31
Naphthalene
Concen: 71.165 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

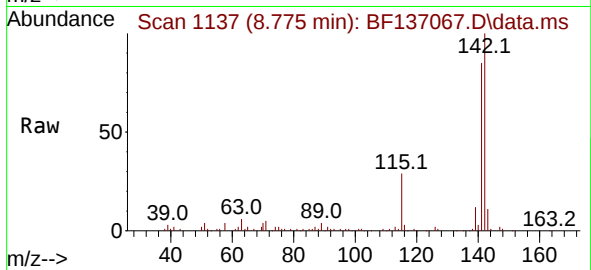
Tgt Ion:128 Resp: 610868
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.8 16.2





#37
2-Methylnaphthalene
Concen: 6.558 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.012 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

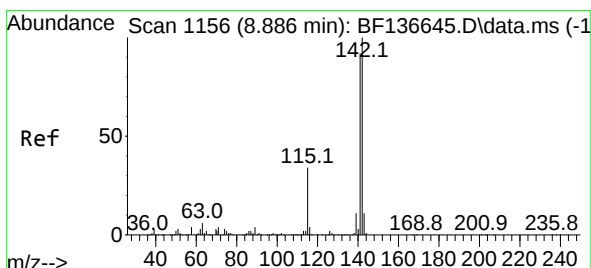
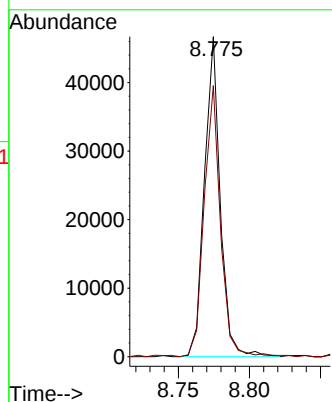
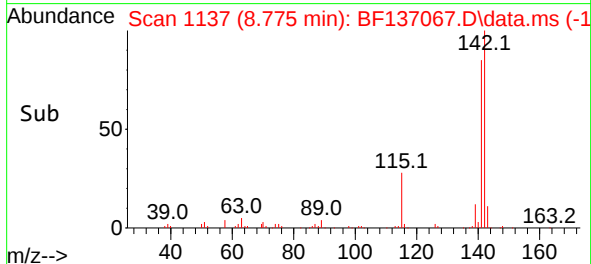
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002DL



Tgt Ion:142 Resp: 3622
Ion Ratio Lower Upper
142 100
141 84.7 71.1 106.7

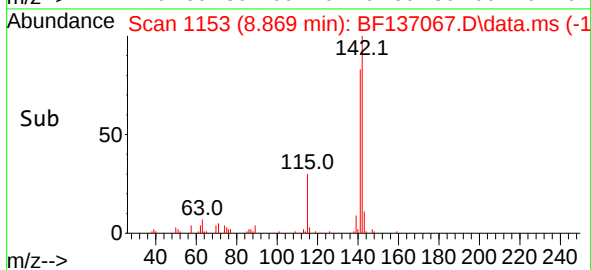
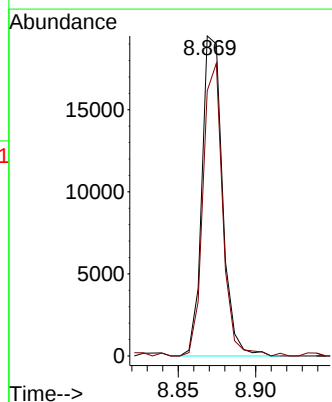
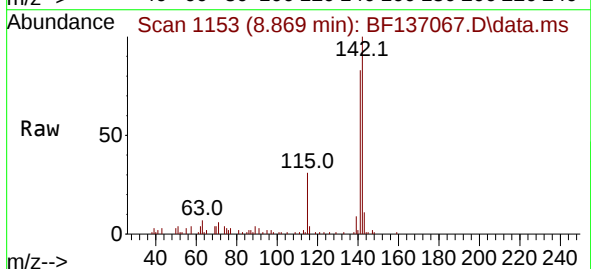
Manual Integrations
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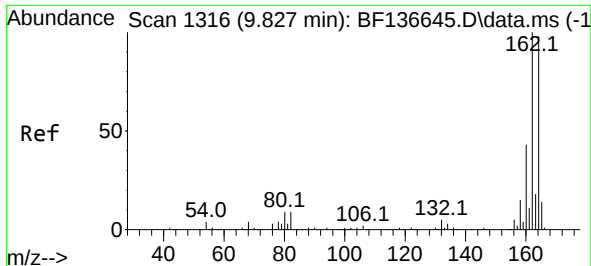
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#38
1-Methylnaphthalene
Concen: 3.315 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.018 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

Tgt Ion:142 Resp: 17966
Ion Ratio Lower Upper
142 100
141 82.9 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF137067.D

Acq: 15 Jan 2024 17:09

Instrument :

BNA_F

ClientSampleId :

E8965C-S-002DL

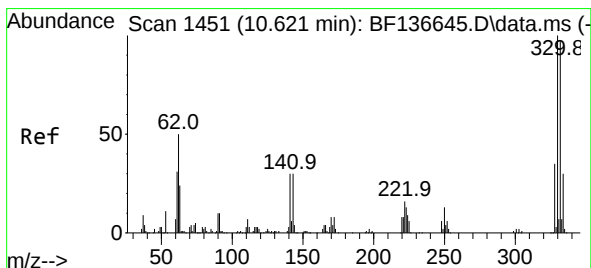
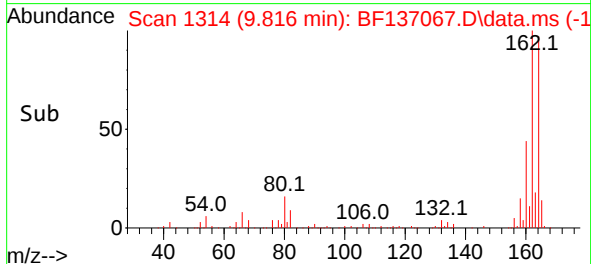
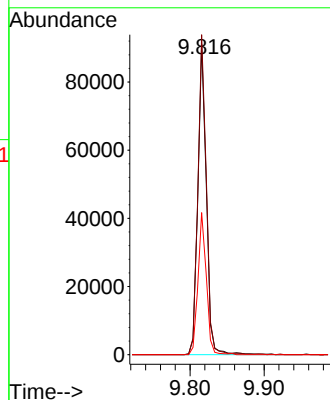
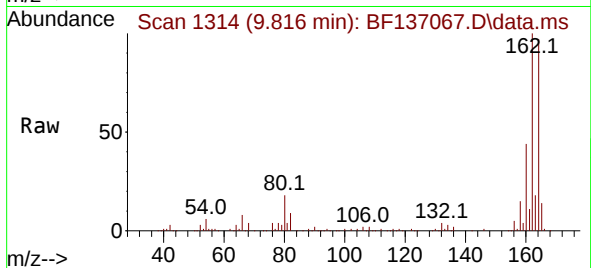
Tgt Ion:164 Resp: 7234

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.6	122.4
160	45.8	34.9	52.3

Manual Integrations

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Supervised By :mohammad ahmed 01/17/2024



#42

2,4,6-Tribromophenol

Concen: 2.901 ng

RT: 10.616 min Scan# 1450

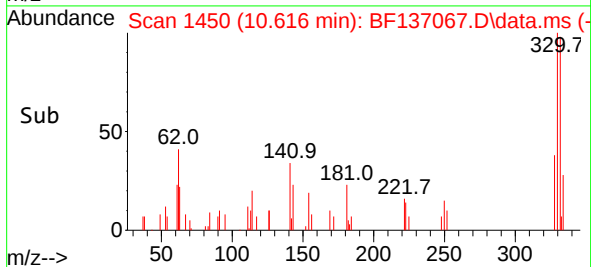
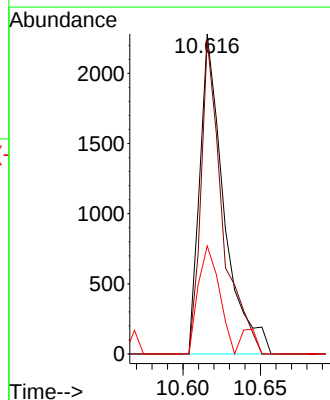
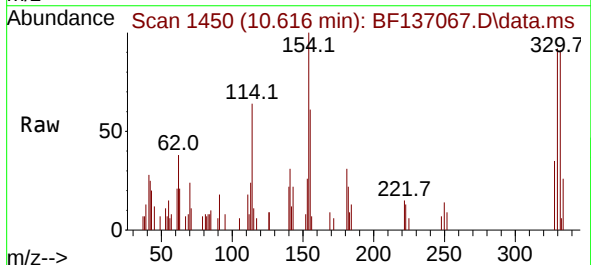
Delta R.T. -0.006 min

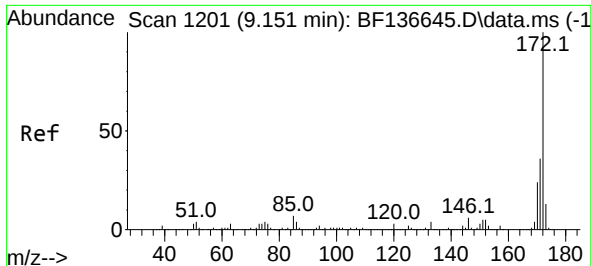
Lab File: BF137067.D

Acq: 15 Jan 2024 17:09

Tgt Ion:330 Resp: 2472

Ion	Ratio	Lower	Upper
330	100		
332	86.9	77.4	116.0
141	29.4	23.4	35.2





#45

2-Fluorobiphenyl

Concen: 36.655 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF137067.D

Acq: 15 Jan 2024 17:09

Instrument :

BNA_F

ClientSampleId :

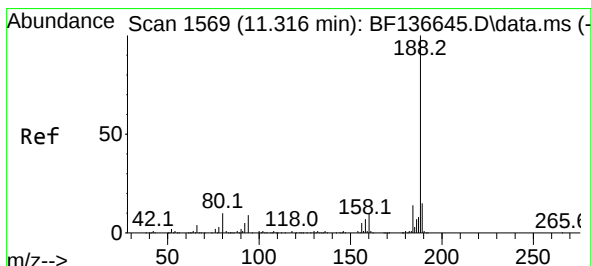
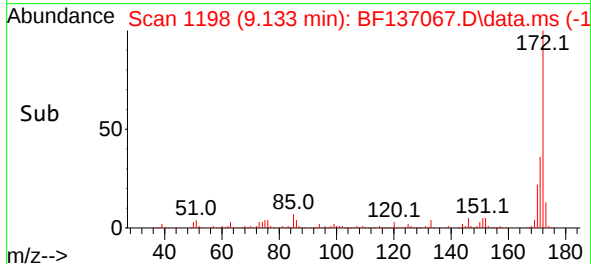
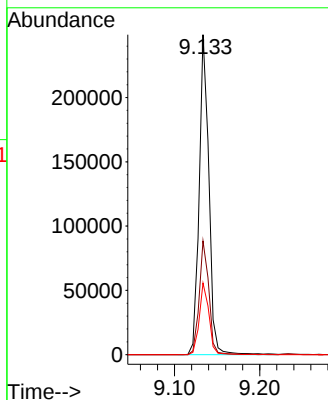
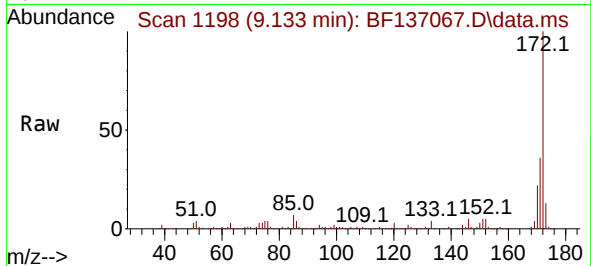
E8965C-S-002DL

Tgt Ion:172	Resp: 19715
Ion Ratio	Lower Upper
172 100	
171 35.6	29.0 43.6
170 22.4	19.0 28.4

Manual Integrations

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



#64

Phenanthrene-d10

Concen: 20.000 ng

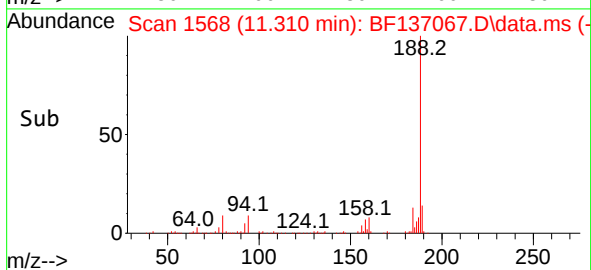
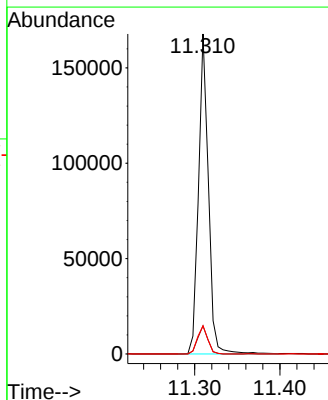
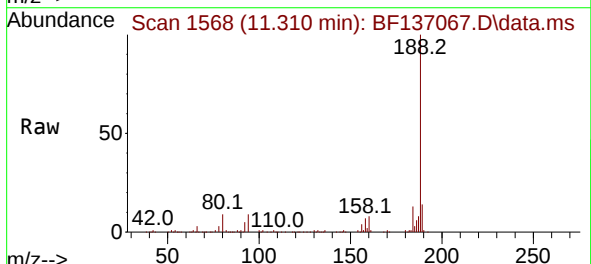
RT: 11.310 min Scan# 1568

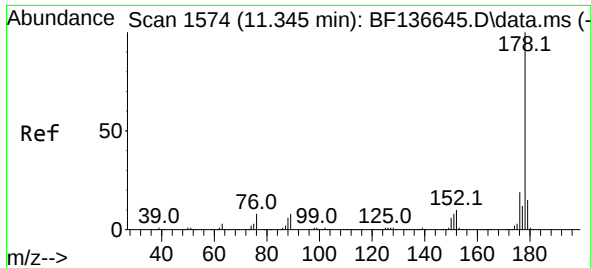
Delta R.T. -0.006 min

Lab File: BF137067.D

Acq: 15 Jan 2024 17:09

Tgt Ion:188	Resp: 135603
Ion Ratio	Lower Upper
188 100	
94 8.8	7.5 11.3
80 8.8	8.1 12.1





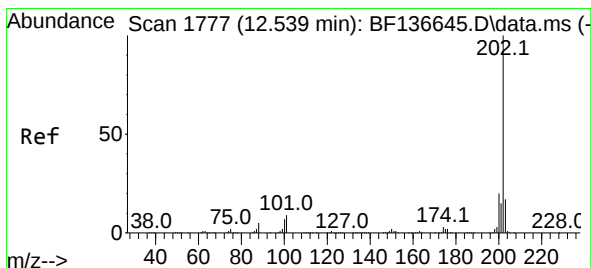
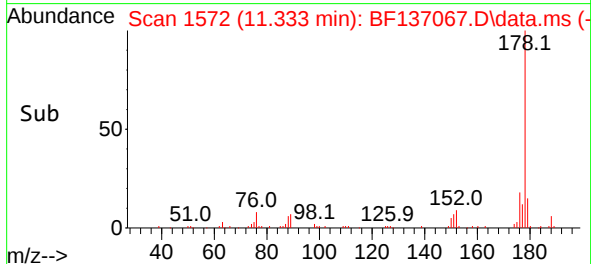
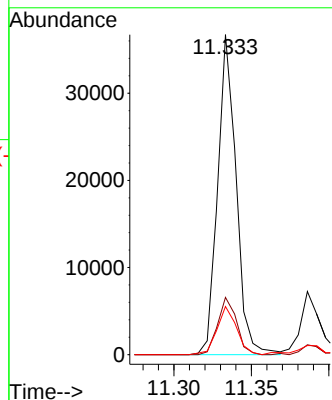
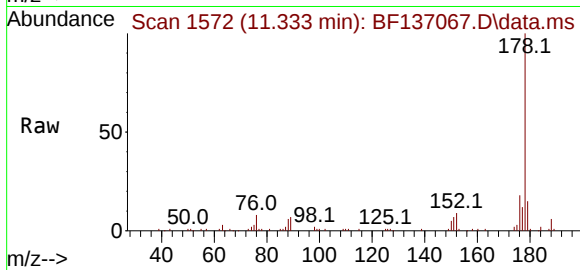
#71
Phenanthrene
Concen: 4.381 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

Instrument :
BNA_F
ClientSampleId :
E8965C-S-002DL

Tgt Ion:178 Resp: 30484
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 15.0 11.9 17.9

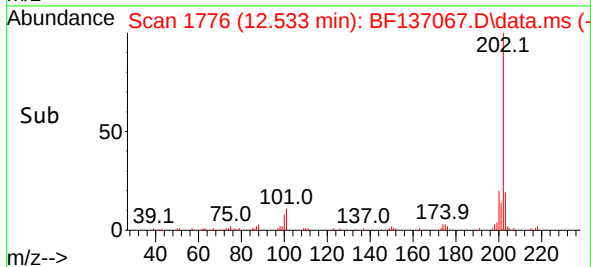
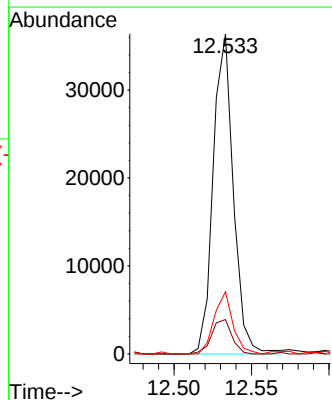
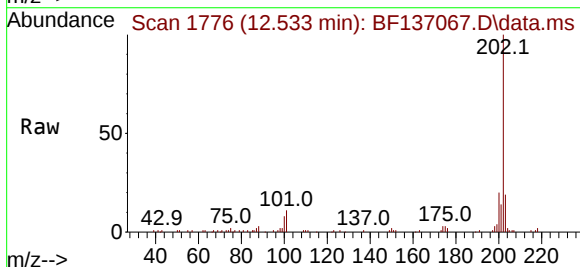
Manual Integrations
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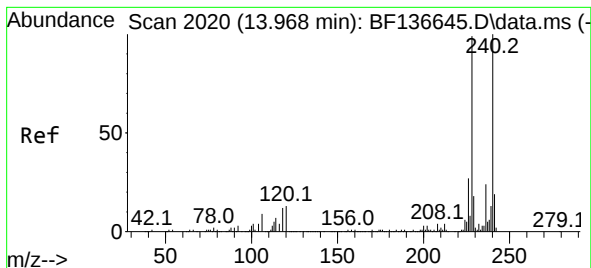
Reviewed By :Jagrut Upadhyay 01/16/2024
Supervised By :mohammad ahmed 01/17/2024



#75
Fluoranthene
Concen: 4.433 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

Tgt Ion:202 Resp: 32995
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.3
203 19.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF137067.D

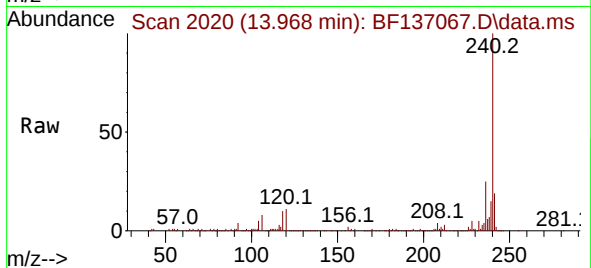
Acq: 15 Jan 2024 17:09

Instrument :

BNA_F

ClientSampleId :

E8965C-S-002DL



Tgt Ion:240 Resp: 124298

Ion Ratio Lower Upper

240 100

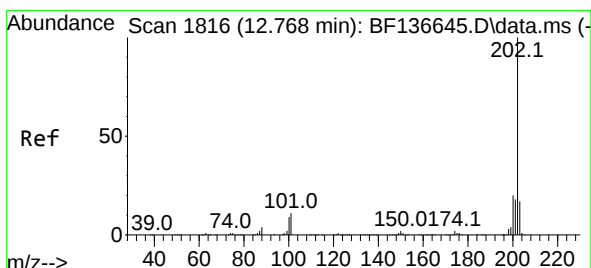
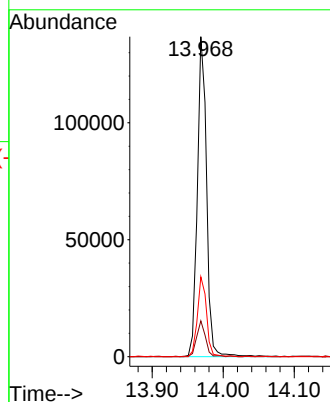
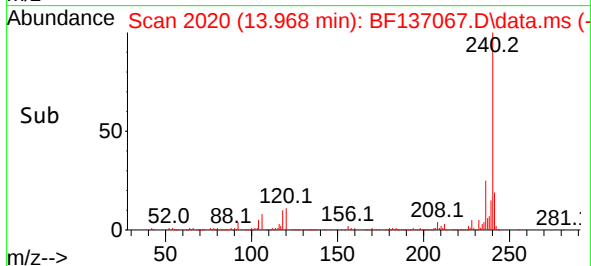
120 11.2 10.3 15.5

236 25.0 19.4 29.2

Manual Integrations

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



#78

Pyrene

Concen: 2.844 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137067.D

Acq: 15 Jan 2024 17:09

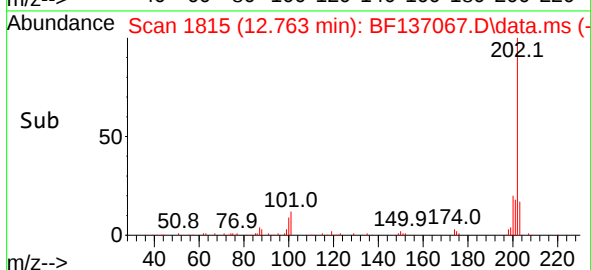
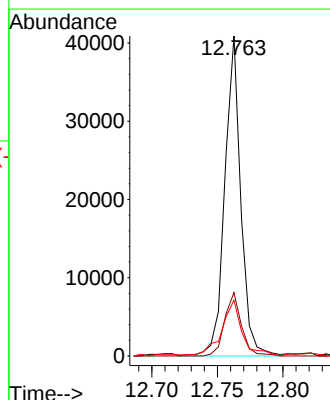
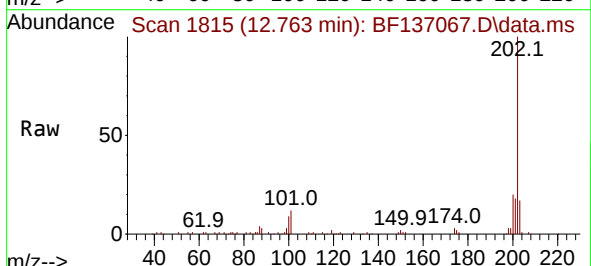
Tgt Ion:202 Resp: 34699

Ion Ratio Lower Upper

202 100

200 19.8 15.9 23.9

203 17.4 13.8 20.6





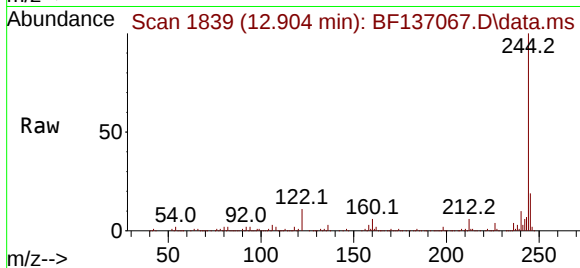
#79
 Terphenyl-d14
 Concen: 24.812 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF137067.D
 Acq: 15 Jan 2024 17:09

Instrument :

BNA_F

ClientSampleId :

E8965C-S-002DL

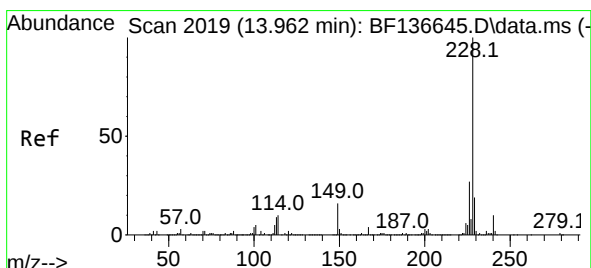
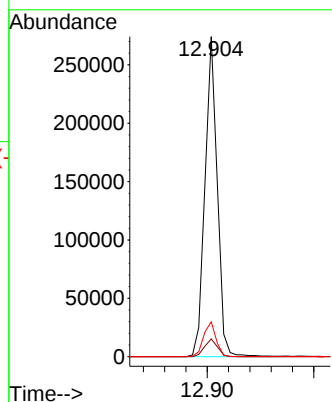
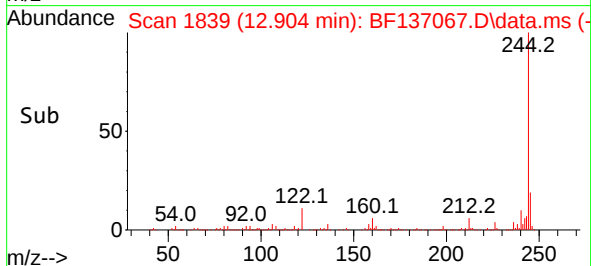


Tgt Ion:244 Resp: 22069
 Ion Ratio Lower Upper
 244 100
 212 5.6 5.0 7.4
 122 10.9 9.0 13.4

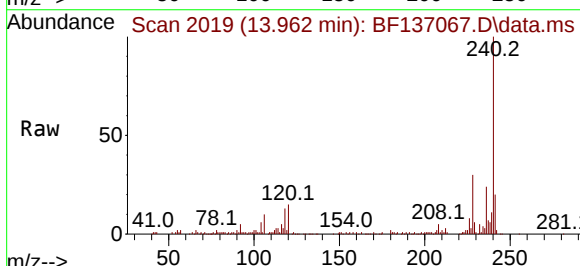
Manual Integrations

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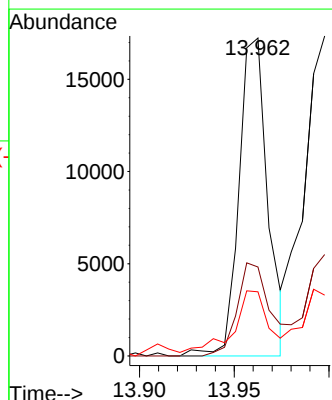
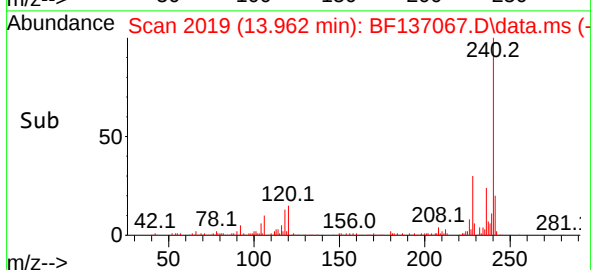
Reviewed By :Jagrut Upadhyay 01/16/2024
 Supervised By :mohammad ahmed 01/17/2024

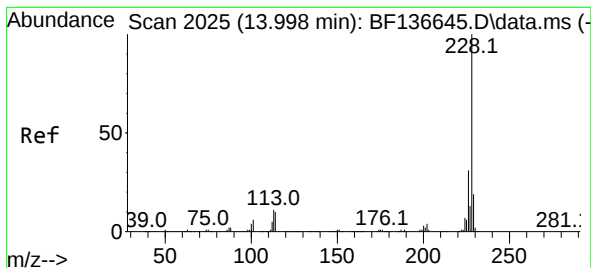


#81
 Benzo(a)anthracene
 Concen: 2.114 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF137067.D
 Acq: 15 Jan 2024 17:09



Tgt Ion:228 Resp: 18246
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.4 32.0
 229 20.2 14.9 22.3





#83

Chrysene

Concen: 2.336 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137067.D

Acq: 15 Jan 2024 17:09

Instrument :

BNA_F

ClientSampleId :

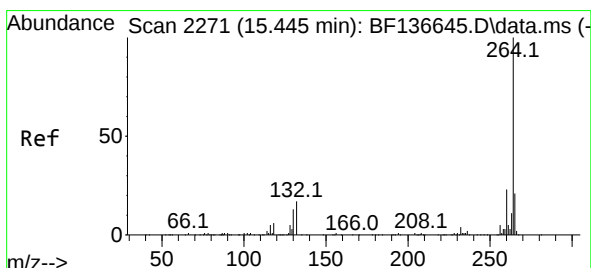
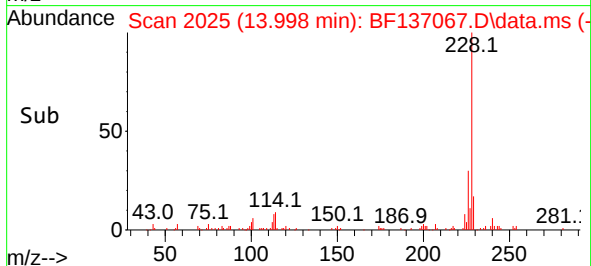
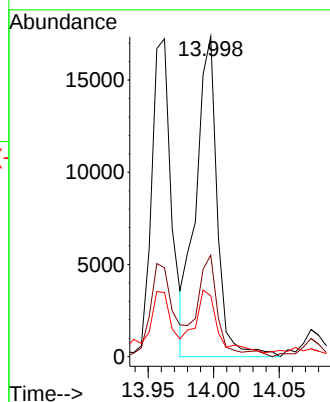
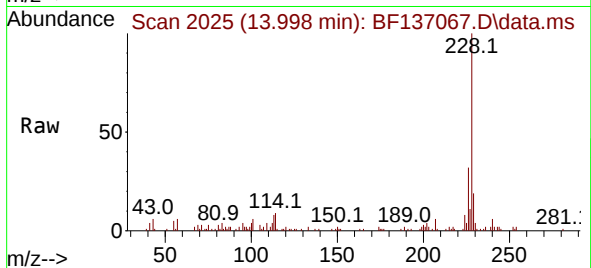
E8965C-S-002DL

Tgt Ion:	228	Resp:	1971
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.7	37.1
229	19.0	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

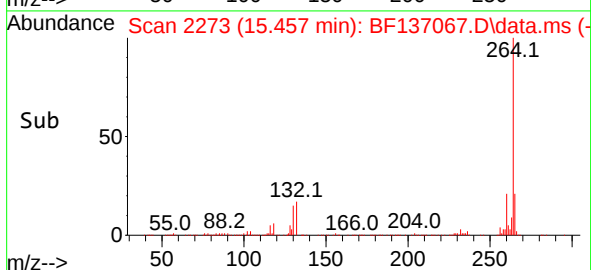
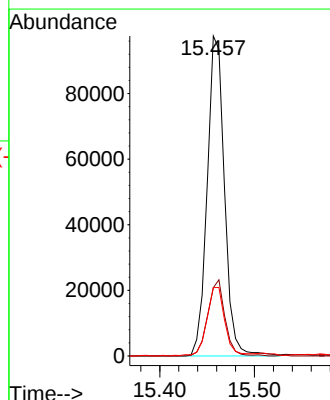
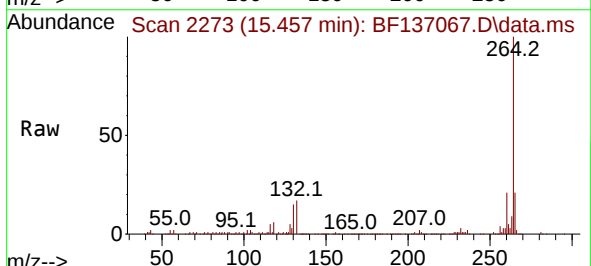
RT: 15.457 min Scan# 2273

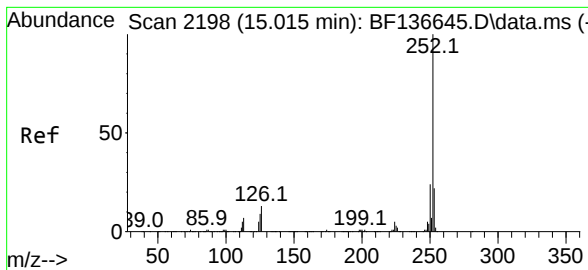
Delta R.T. 0.012 min

Lab File: BF137067.D

Acq: 15 Jan 2024 17:09

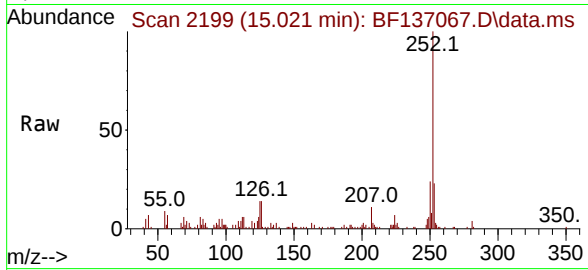
Tgt Ion:	264	Resp:	123843
Ion Ratio	Lower	Upper	
264	100		
260	21.4	18.3	27.5
265	21.3	17.0	25.6





#88
Benzo(b)fluoranthene
Concen: 2.911 ng m
RT: 15.021 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

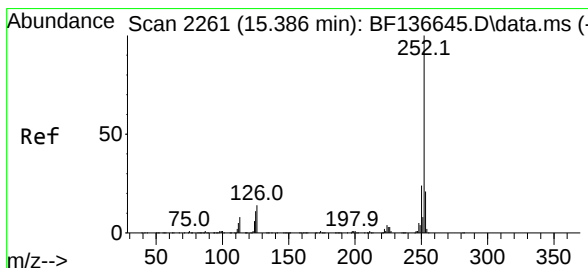
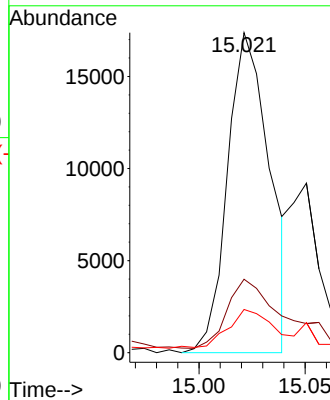
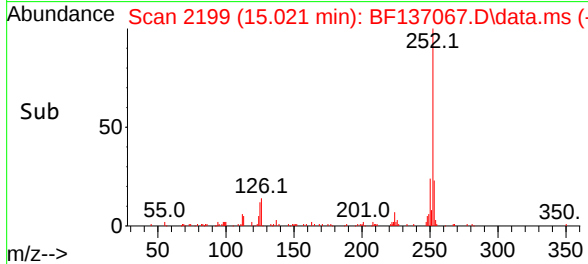
Instrument :
BNA_F
ClientSampleId :
E8965C-S-002DL



Tgt Ion:252 Resp: 2407
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 13.5 7.4 11.2

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 2.290 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF137067.D
Acq: 15 Jan 2024 17:09

Tgt Ion:252 Resp: 15991
Ion Ratio Lower Upper
252 100
253 21.1 17.0 25.6
125 13.1 8.8 13.2

