

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141517.D
 Acq On : 07 Feb 2025 19:28
 Operator : RC/JU
 Sample : Q1216-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-18.1-012825

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli
 02/10/2025

Supervised By :mohammad
 ahmed
 02/12/2025

Quant Time: Feb 07 22:25:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	82228	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	318645	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	157303	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	230152	20.000	ng	0.00
76) Chrysene-d12	13.963	240	150696	20.000	ng	0.00
86) Perylene-d12	15.427	264	115335	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	596193	113.669	ng	0.00
7) Phenol-d6	6.434	99	739295	111.520	ng	0.00
23) Nitrobenzene-d5	7.351	82	486249	79.593	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	158241	100.141	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	795054	77.868	ng	0.00
79) Terphenyl-d14	12.904	244	656010	73.490	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	55600	6.166	ng	97
55) Dibenzofuran	10.033	168	34603	2.614	ng	# 96
58) Fluorene	10.375	166	55674	5.440	ng	99
71) Phenanthrene	11.339	178	830853	65.582	ng	100
72) Anthracene	11.392	178	198986	15.625	ng	99
73) Carbazole	11.545	167	29099	2.539	ng	97
75) Fluoranthene	12.533	202	935117	69.622	ng	100
78) Pyrene	12.763	202	940217	73.292	ng	99
81) Benzo(a)anthracene	13.951	228	373513	37.287	ng	98
83) Chrysene	13.986	228	307547	33.250	ng	98
84) Bis(2-ethylhexyl)phtha...	13.939	149	13903	2.774	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.868	276	99398	13.948	ng	96
88) Benzo(b)fluoranthene	15.010	252	256643m	33.140	ng	
89) Benzo(k)fluoranthene	15.021	252	108026m	16.336	ng	
90) Benzo(a)pyrene	15.368	252	205867	32.853	ng	96
91) Dibenzo(a,h)anthracene	16.880	278	25430	4.404	ng	# 87
92) Benzo(g,h,i)perylene	17.309	276	98423	16.288	ng	98

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

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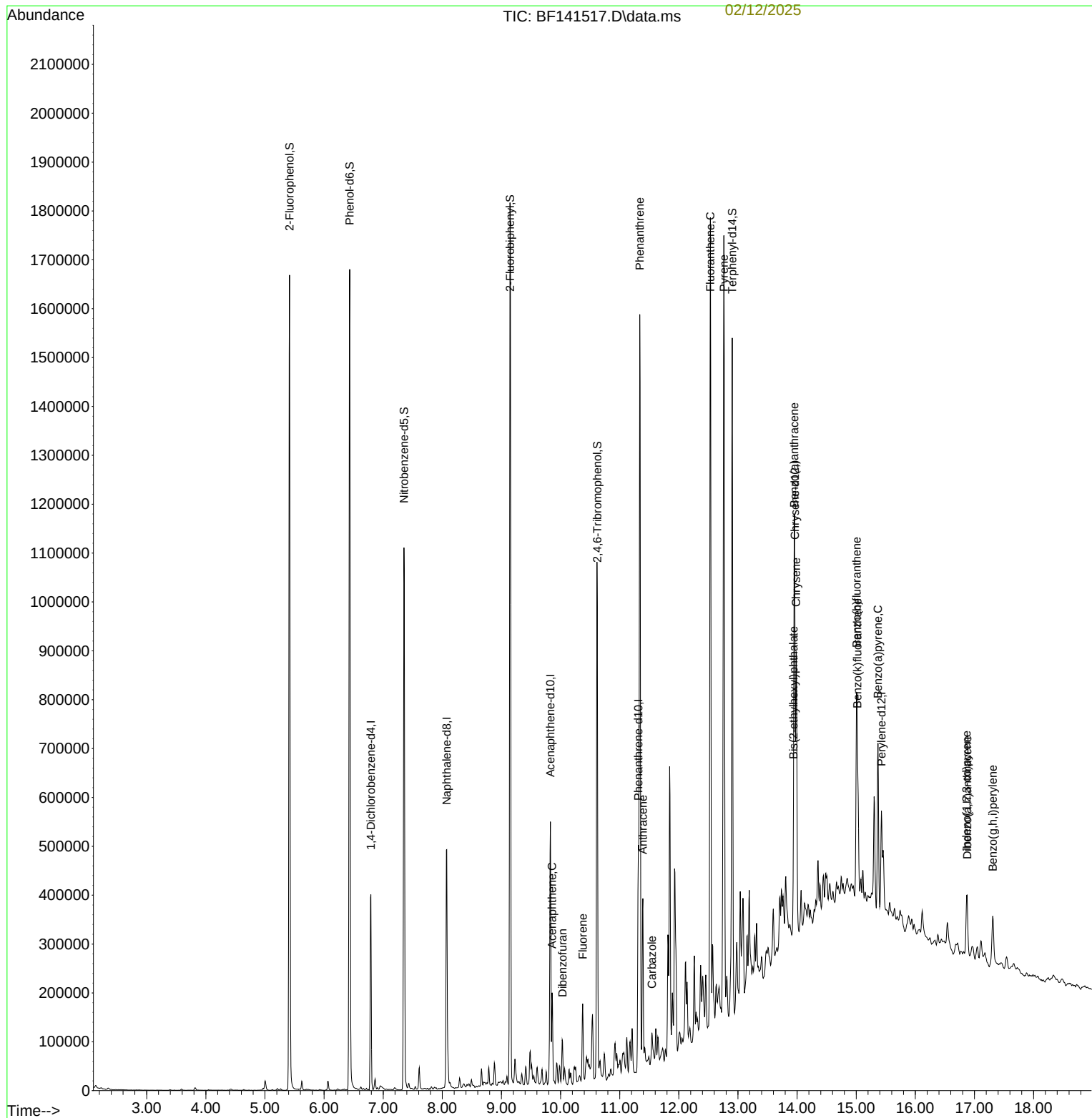
Instrument :
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JPP-18.1-012825

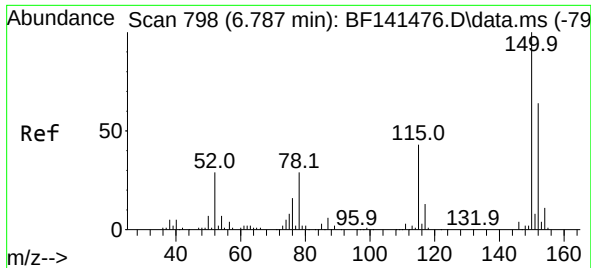
Quant Time: Feb 07 22:25:54 2025
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Chavli
02/10/2025

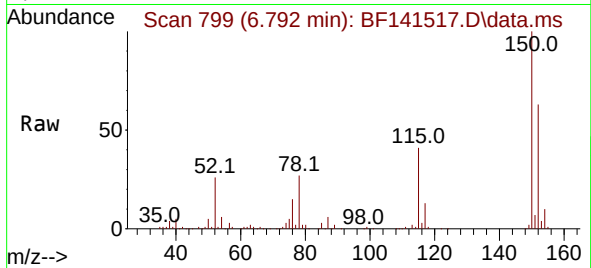
Supervised By :mohammad
ahmed
02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

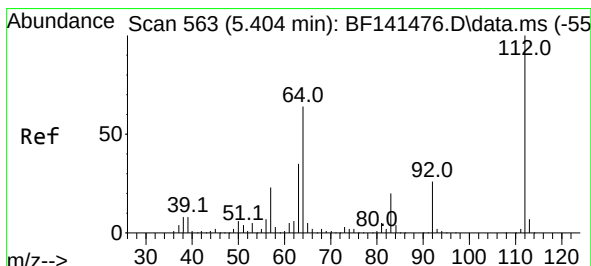
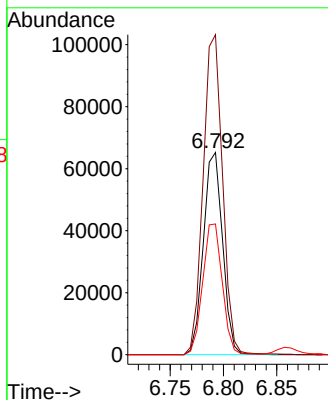
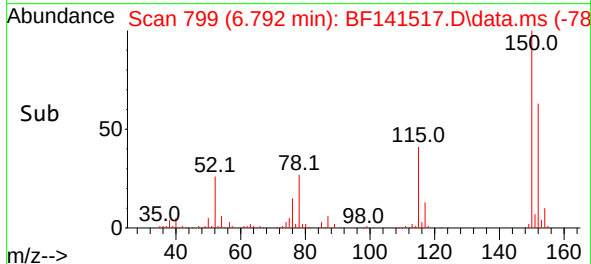


Tgt Ion:152 Resp: 82228
Ion Ratio Lower Upper
152 100
150 158.3 125.0 187.4
115 64.7 53.6 80.4

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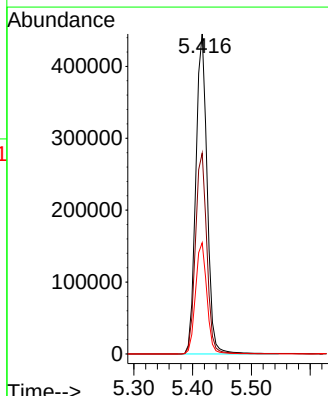
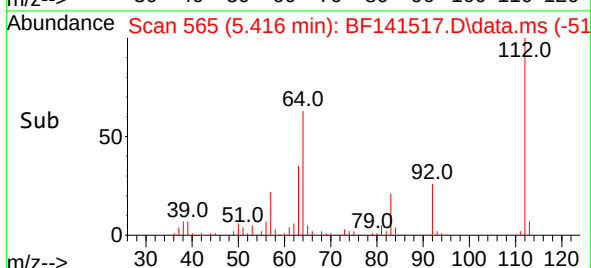
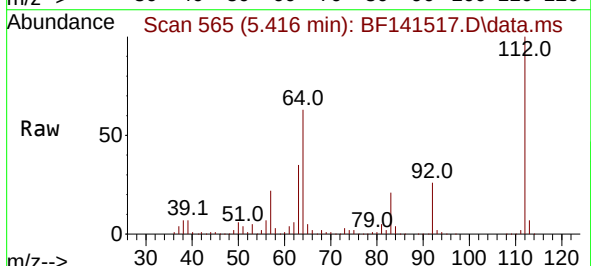
Reviewed By :Rahul
Chavli
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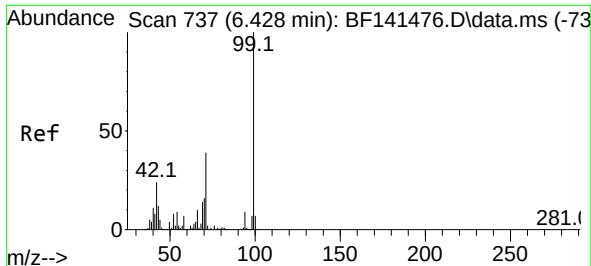
Supervised By :mohammad
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02/12/2025



#5
2-Fluorophenol
Concen: 113.669 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

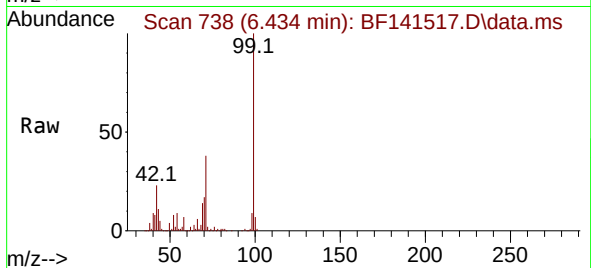
Tgt Ion:112 Resp: 596193
Ion Ratio Lower Upper
112 100
64 62.7 51.1 76.7
63 34.8 28.4 42.6





#7
Phenol-d6
Concen: 111.520 ng
RT: 6.434 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
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JPP-18.1-012825

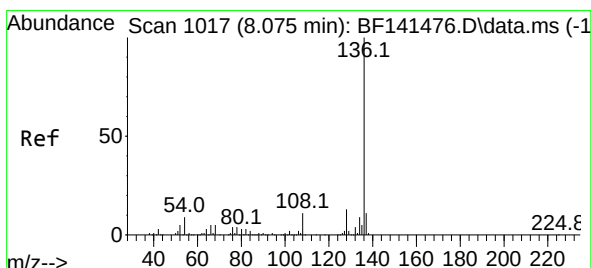
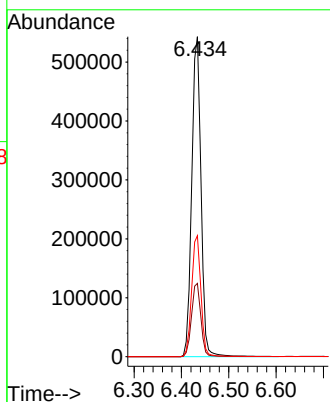
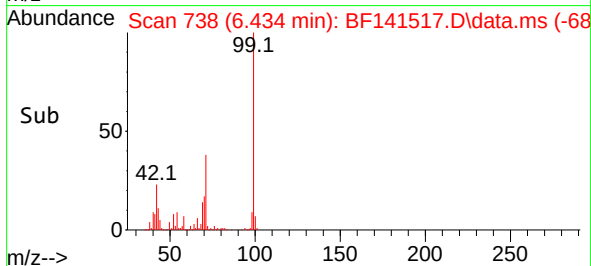


Tgt Ion: 99 Resp: 73929
Ion Ratio Lower Upper
99 100
42 22.9 19.1 28.7
71 37.8 31.1 46.7

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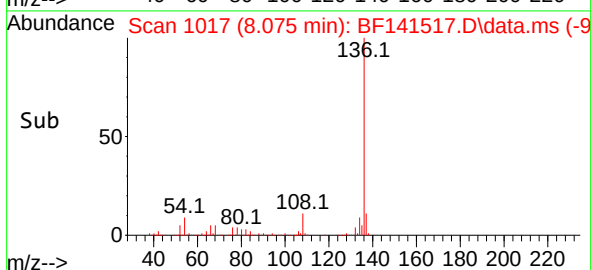
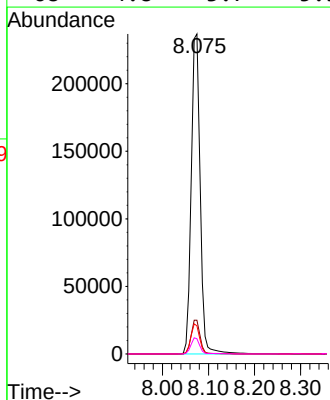
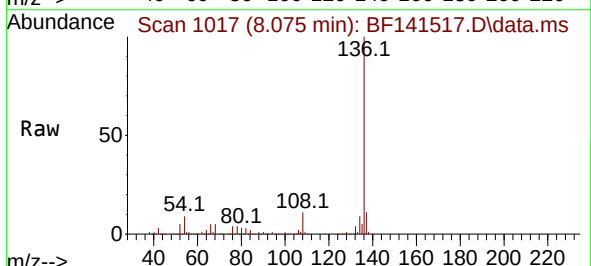
Reviewed By :Rahul
Chavli
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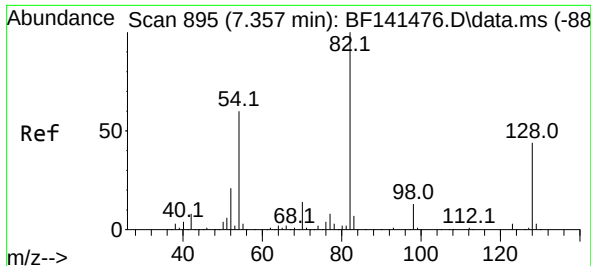
Supervised By :mohammad
ahmed
02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Tgt Ion:136 Resp: 318645
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.8 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 79.593 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141517.D

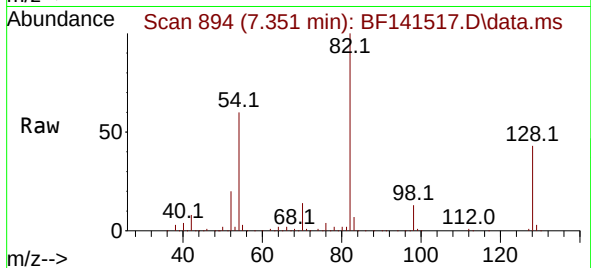
Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

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JPP-18.1-012825



Tgt Ion: 82 Resp: 486249

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.8	52.2
54	60.3	48.2	72.4

Manual Integrations

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Reviewed By :Rahul

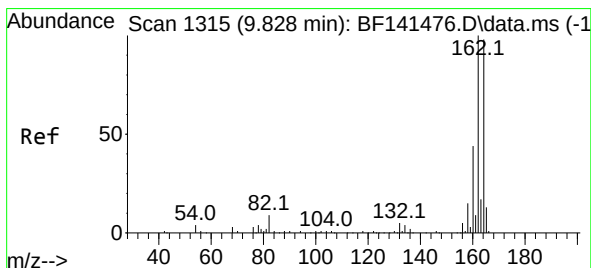
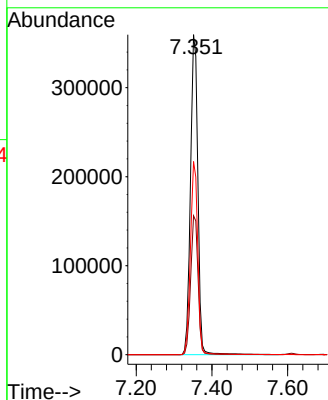
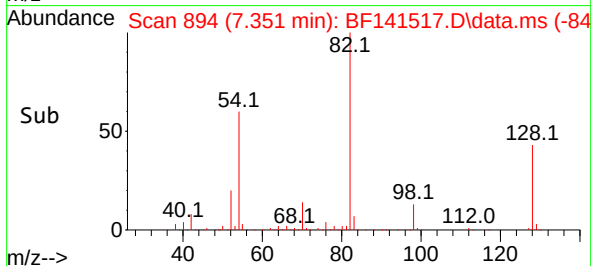
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ahmed

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

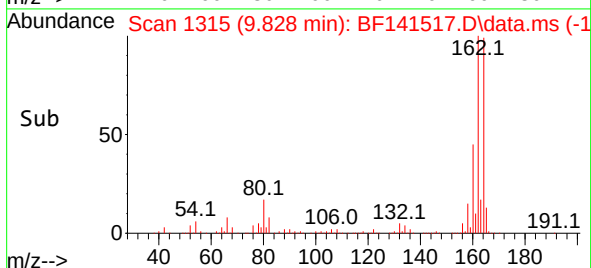
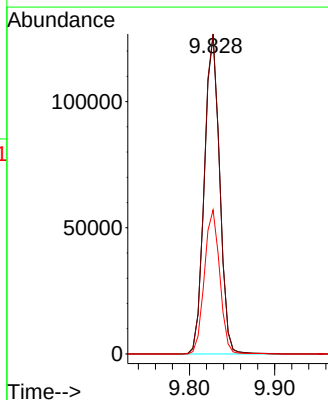
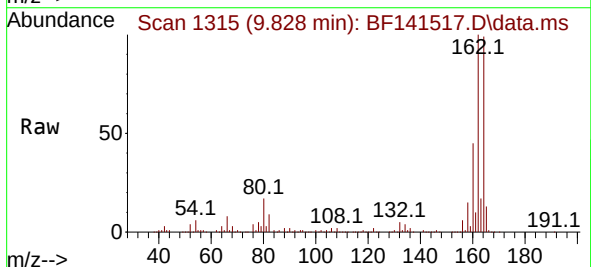
Delta R.T. -0.006 min

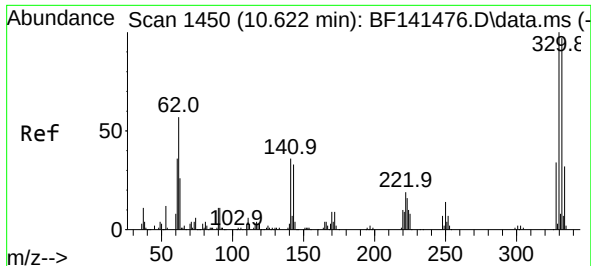
Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Tgt Ion:164 Resp: 157303

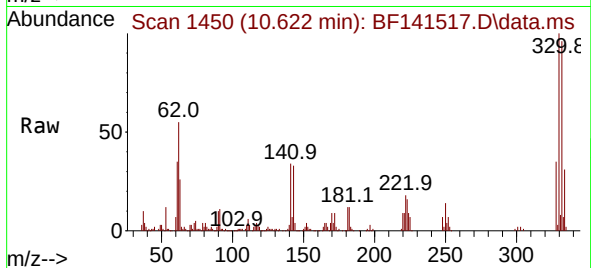
Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.3	121.9
160	45.2	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 100.141 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

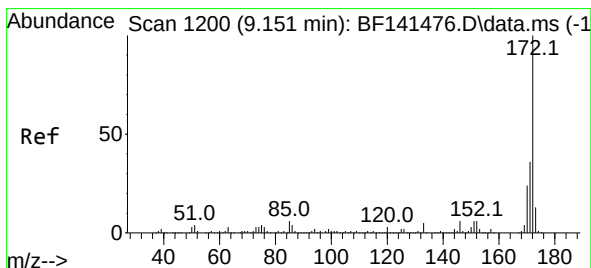
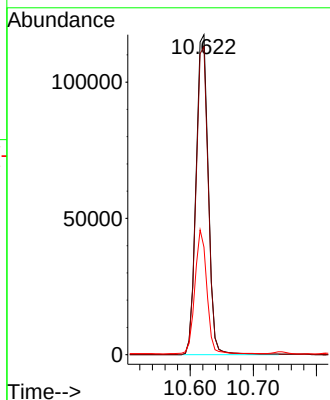
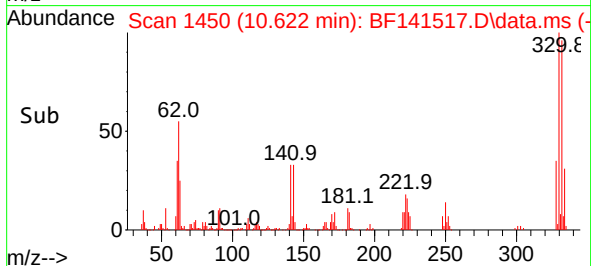


Tgt Ion:330 Resp: 15824
Ion Ratio Lower Upper
330 100
332 96.2 78.5 117.7
141 37.7 31.0 46.4

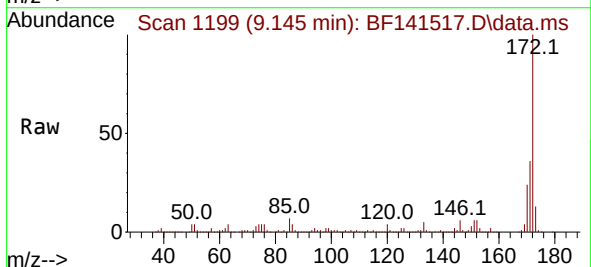
Manual Integrations
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02/10/2025

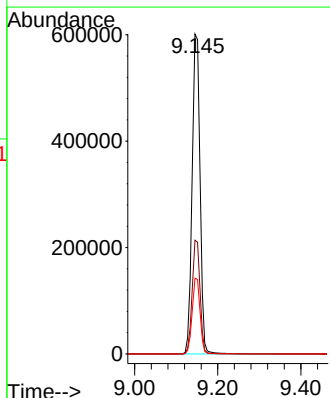
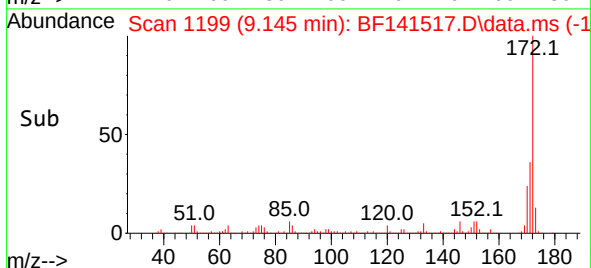
Supervised By :mohammad
ahmed
02/12/2025

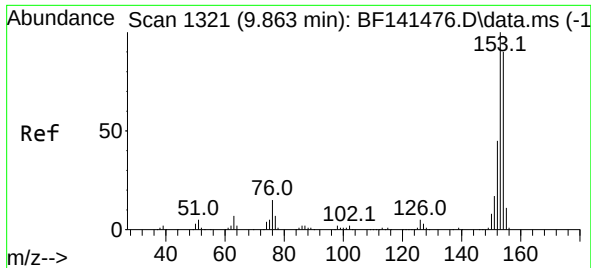


#45
2-Fluorobiphenyl
Concen: 77.868 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28



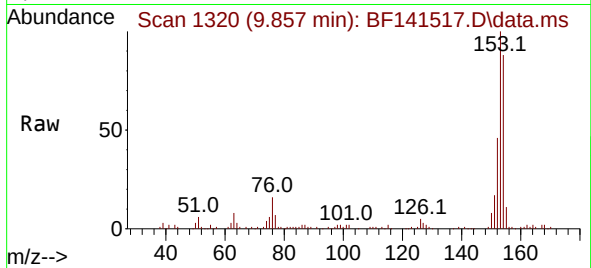
Tgt Ion:172 Resp: 795054
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.7 18.9 28.3





#52
Acenaphthene
Concen: 6.166 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
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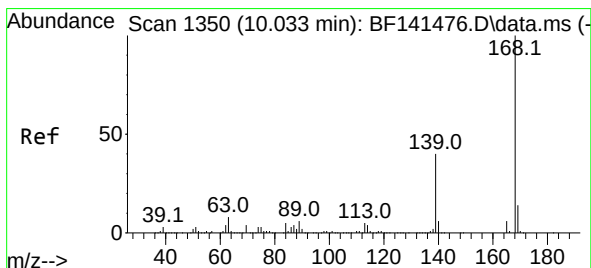
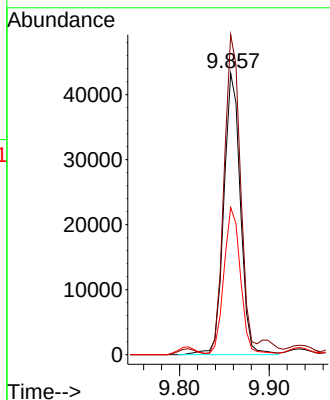
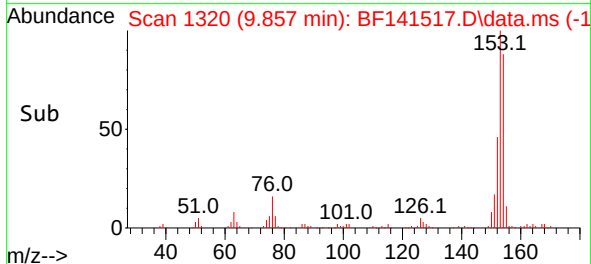


Tgt Ion:154 Resp: 55600
Ion Ratio Lower Upper
154 100
153 113.7 89.2 133.8
152 52.3 39.8 59.8

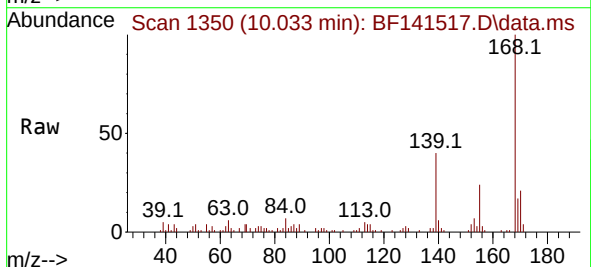
Manual Integrations
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Chavli
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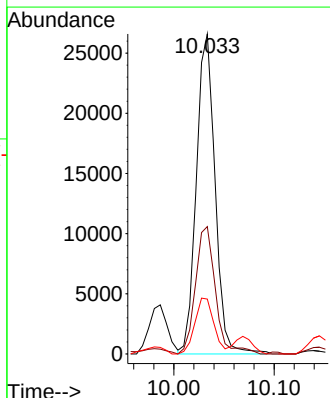
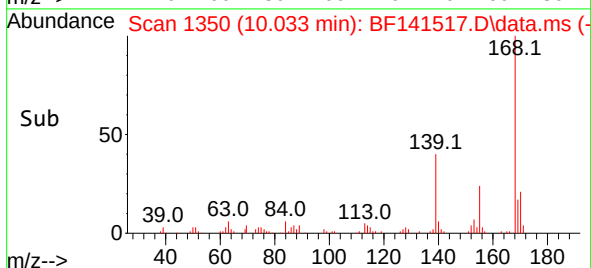
Supervised By :mohammad
ahmed
02/12/2025

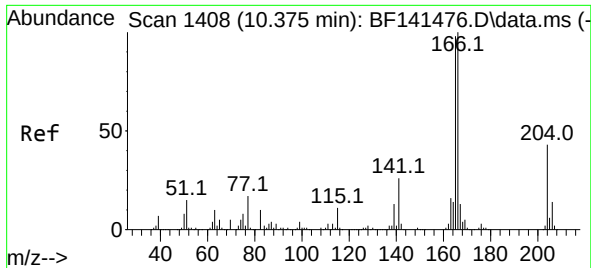


#55
Dibenzofuran
Concen: 2.614 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28



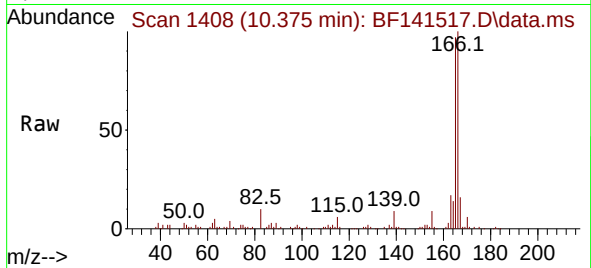
Tgt Ion:168 Resp: 34603
Ion Ratio Lower Upper
168 100
139 39.8 32.7 49.1
169 17.1 10.8 16.2#





#58
Fluorene
Concen: 5.440 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
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JPP-18.1-012825

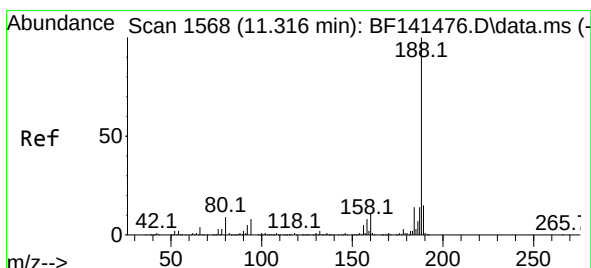
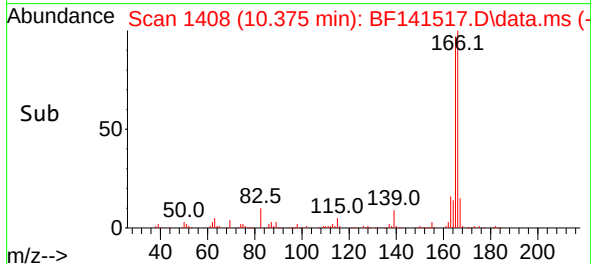
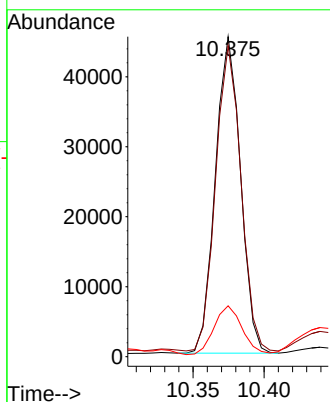


Tgt Ion:166 Resp: 55674
Ion Ratio Lower Upper
166 100
165 97.2 78.2 117.2
167 15.9 10.7 16.1

Manual Integrations
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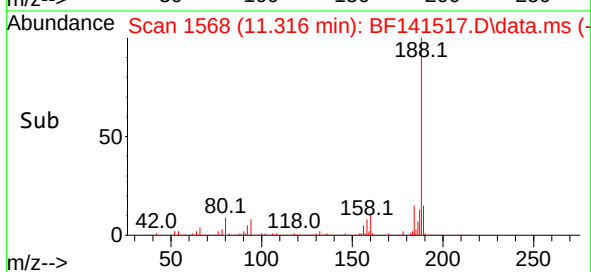
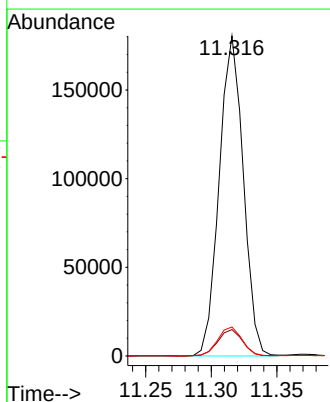
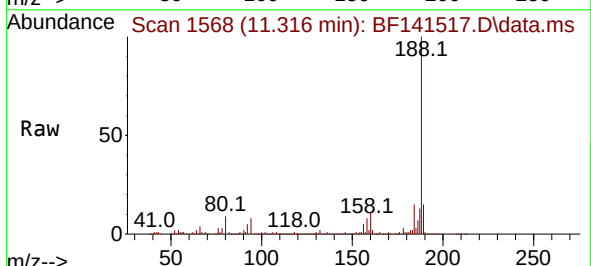
Reviewed By :Rahul
Chavli
02/10/2025

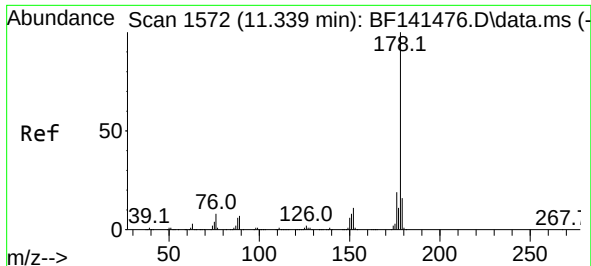
Supervised By :mohammad
ahmed
02/12/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

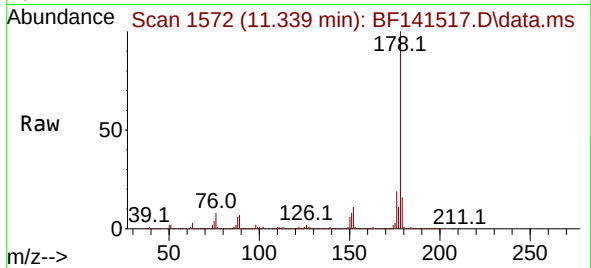
Tgt Ion:188 Resp: 230152
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.1 7.3 10.9





#71
Phenanthrene
Concen: 65.582 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

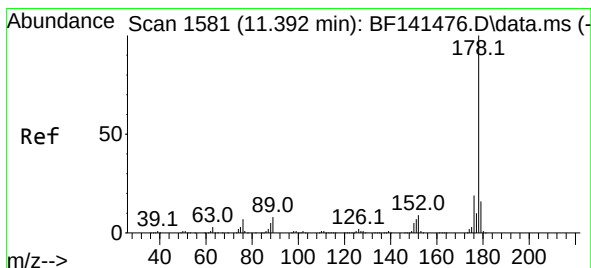
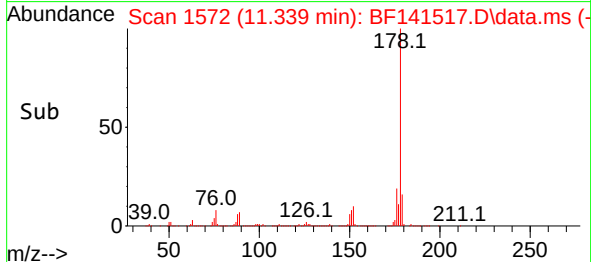
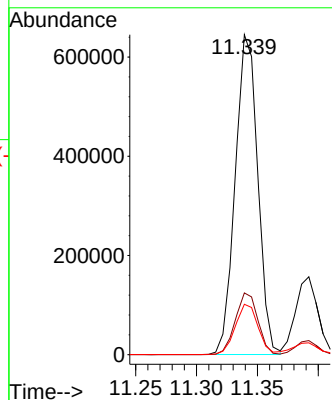


Tgt Ion:178 Resp: 83085
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.8 12.4 18.6

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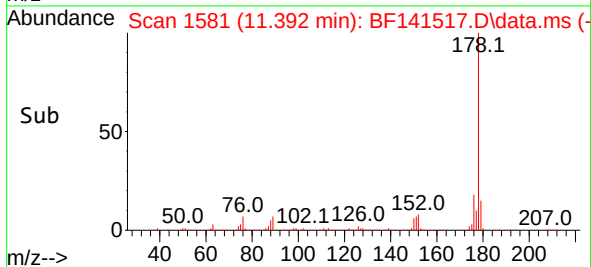
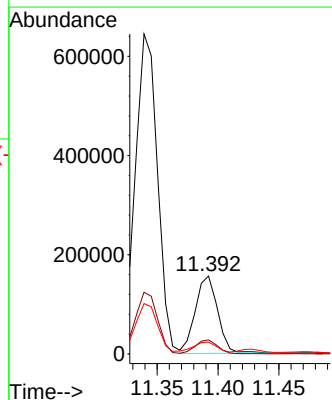
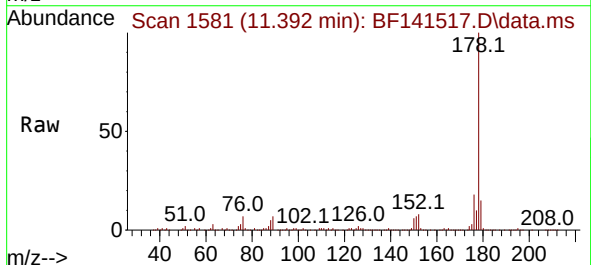
Reviewed By :Rahul
Chavli
02/10/2025

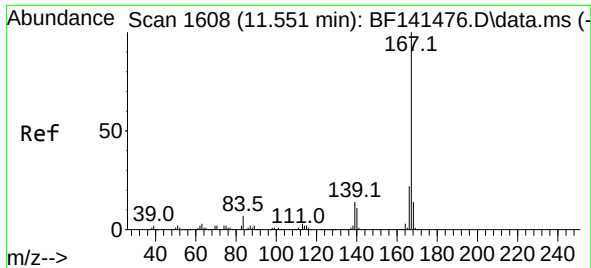
Supervised By :mohammad
ahmed
02/12/2025



#72
Anthracene
Concen: 15.625 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

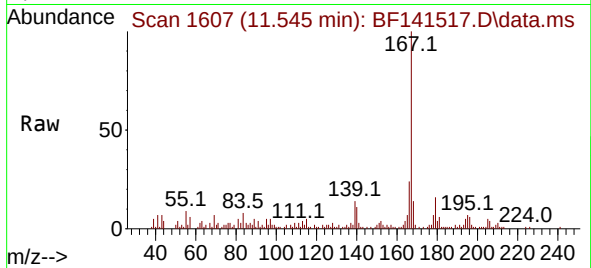
Tgt Ion:178 Resp: 198986
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 2.539 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141517.D
 Acq: 07 Feb 2025 19:28

Instrument :
 BNA_F
 ClientSampleId :
 JPP-18.1-012825

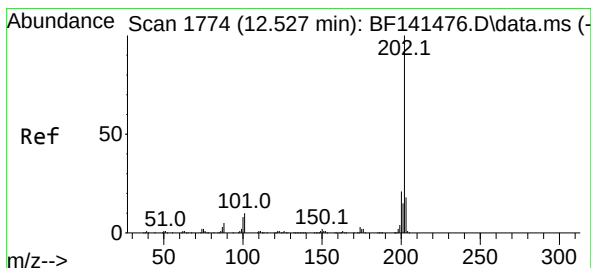
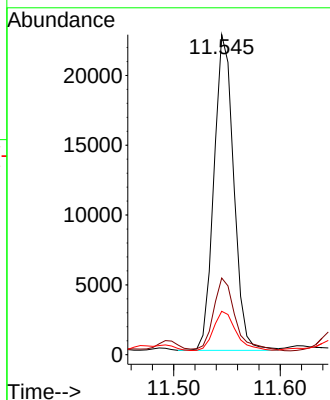
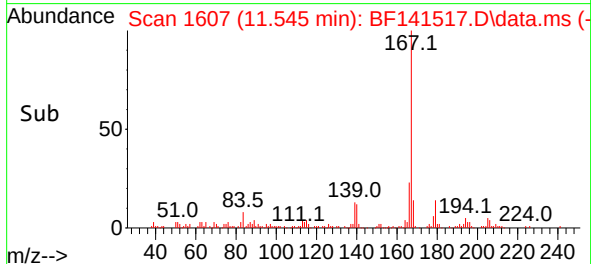


Tgt Ion:167 Resp: 29099
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.4 26.2
 139 13.6 10.9 16.3

Manual Integrations
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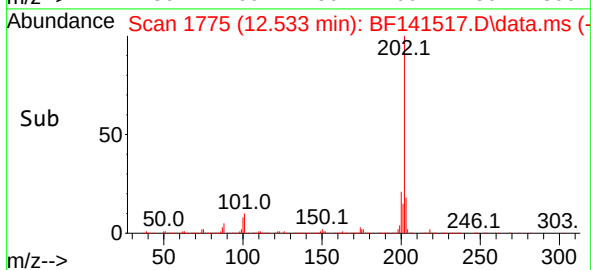
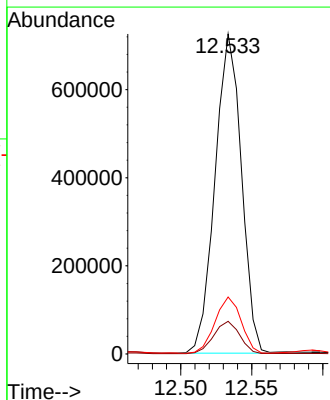
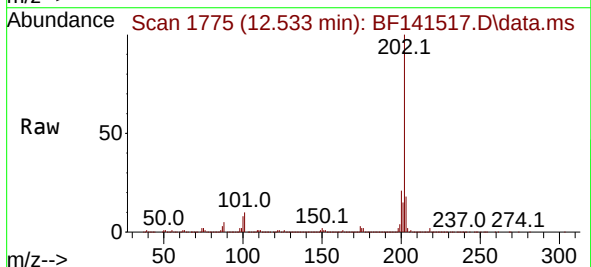
Reviewed By :Rahul
 Chavli
 02/10/2025

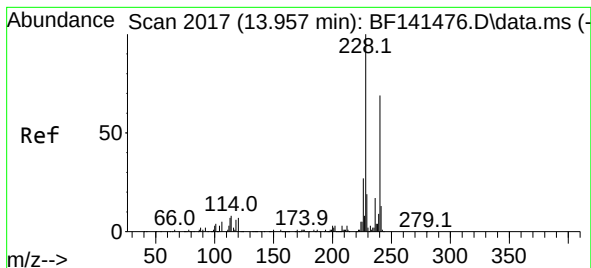
Supervised By :mohammad
 ahmed
 02/12/2025



#75
 Fluoranthene
 Concen: 69.622 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF141517.D
 Acq: 07 Feb 2025 19:28

Tgt Ion:202 Resp: 935117
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 30.2
 203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

Instrument :

BNA_F

ClientSampleId :

JPP-18.1-012825

Tgt Ion:240 Resp: 150690
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.0 12.0
 236 25.6 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Rahul

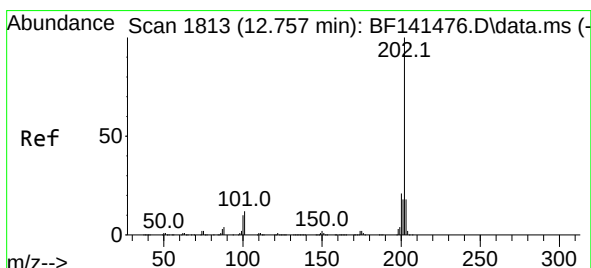
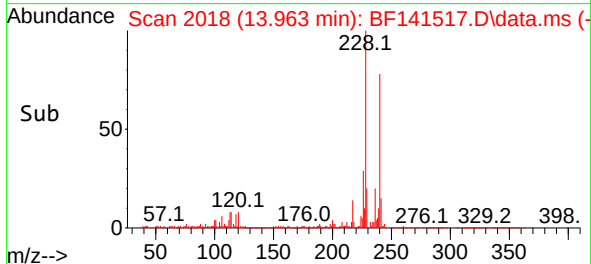
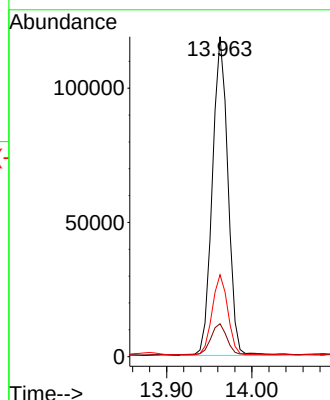
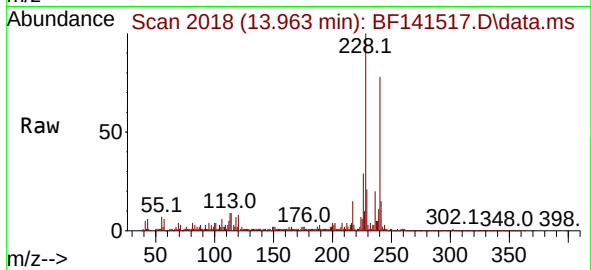
Chavli

02/10/2025

Supervised By :mohammad

ahmed

02/12/2025



#78

Pyrene

Concen: 73.292 ng

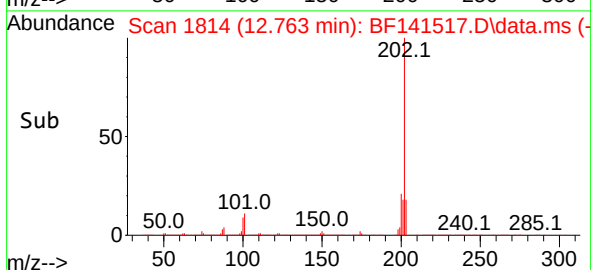
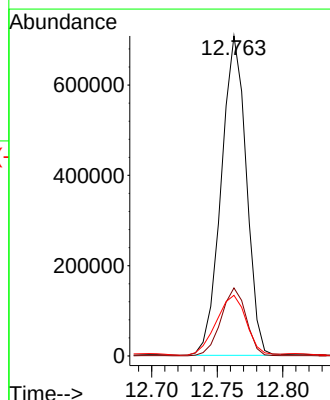
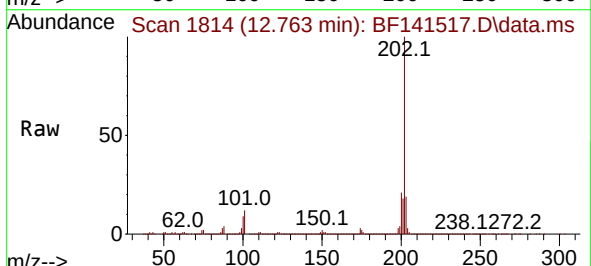
RT: 12.763 min Scan# 1814

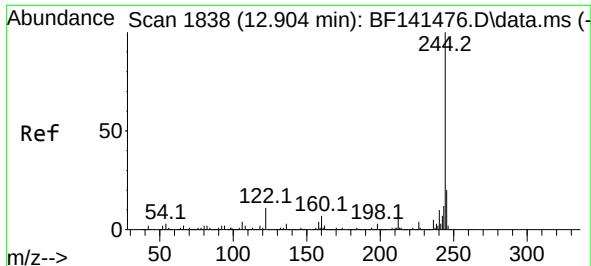
Delta R.T. 0.000 min

Lab File: BF141517.D

Acq: 07 Feb 2025 19:28

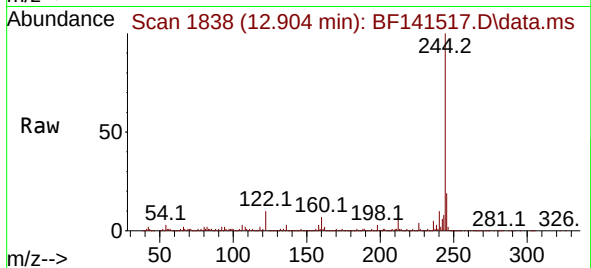
Tgt Ion:202 Resp: 940217
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 18.9 14.3 21.5





#79
 Terphenyl-d14
 Concen: 73.490 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF141517.D
 Acq: 07 Feb 2025 19:28

Instrument :
 BNA_F
 ClientSampleId :
 JPP-18.1-012825

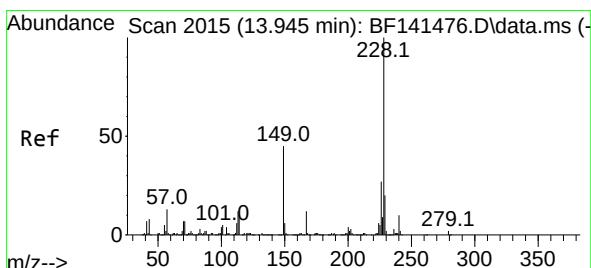
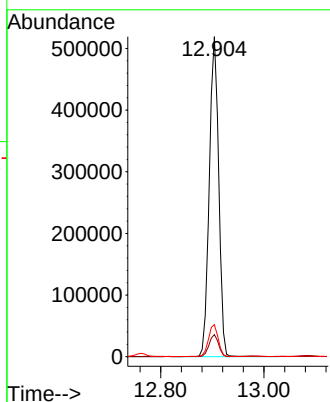
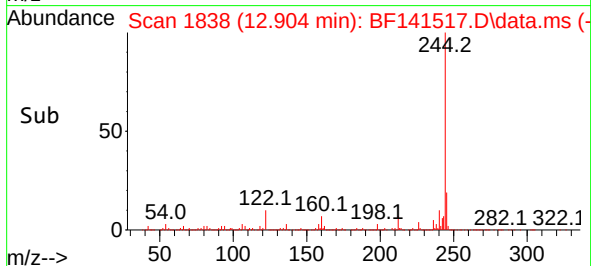


Tgt Ion:244 Resp: 656010
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.0 8.4 12.6

Manual Integrations
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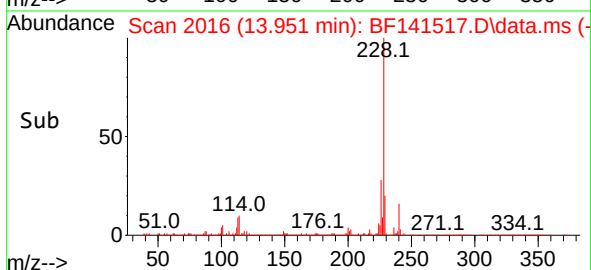
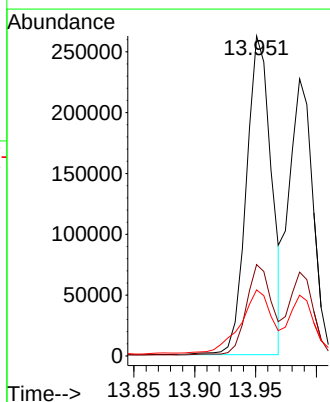
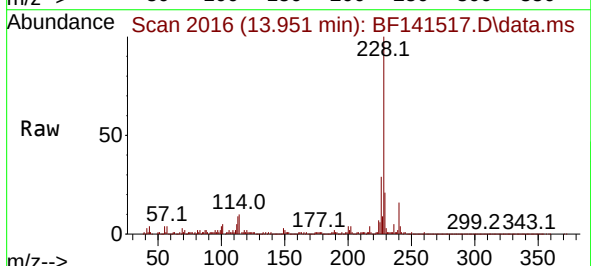
Reviewed By :Rahul
 Chavli
 02/10/2025

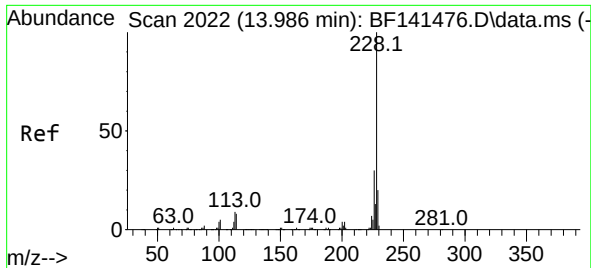
Supervised By :mohammad
 ahmed
 02/12/2025



#81
 Benzo(a)anthracene
 Concen: 37.287 ng
 RT: 13.951 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: BF141517.D
 Acq: 07 Feb 2025 19:28

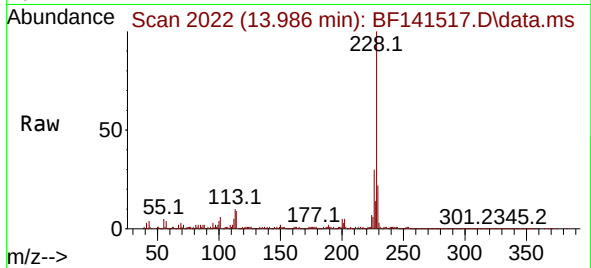
Tgt Ion:228 Resp: 373513
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.8 32.8
 229 20.7 15.8 23.6





#83
Chrysene
Concen: 33.250 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

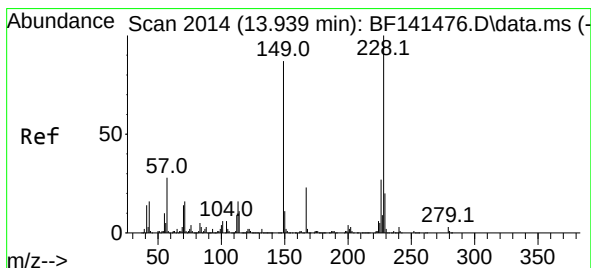
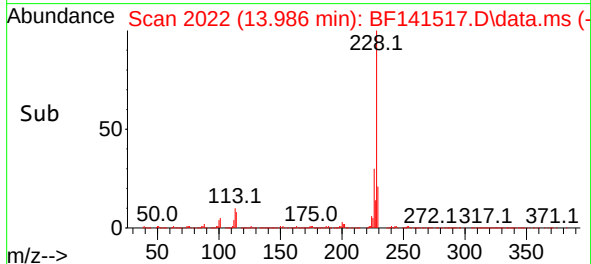
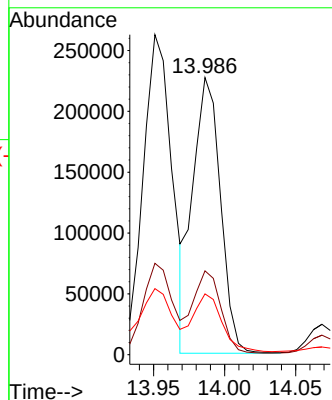


Tgt Ion:228 Resp: 30754
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 22.0 15.7 23.5

Manual Integrations
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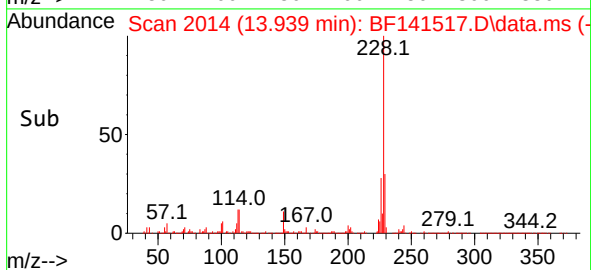
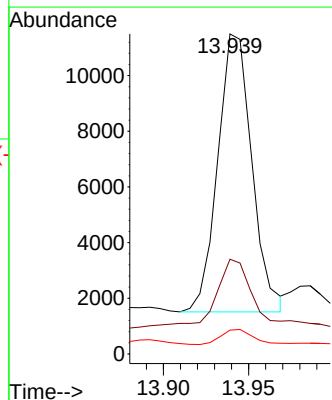
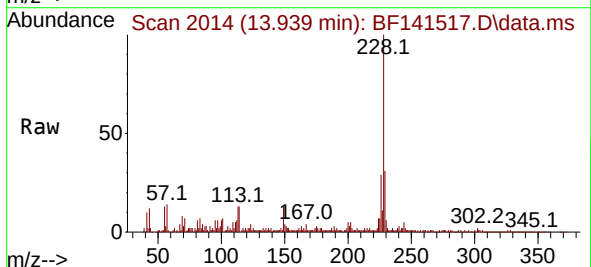
Reviewed By :Rahul
Chavli
02/10/2025

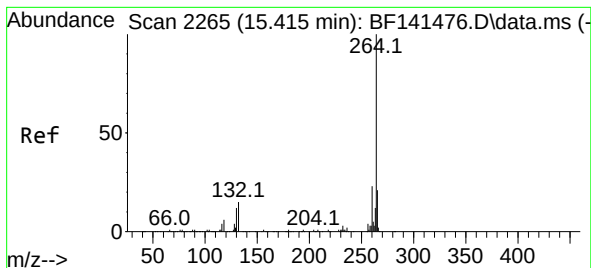
Supervised By :mohammad
ahmed
02/12/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.774 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

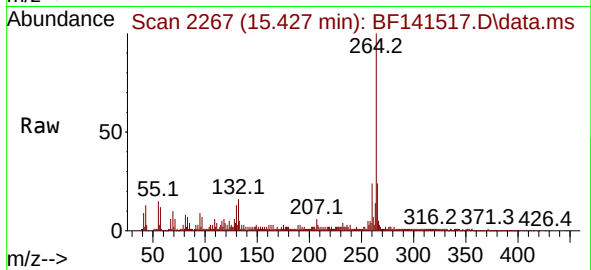
Tgt Ion:149 Resp: 13903
Ion Ratio Lower Upper
149 100
167 29.6 21.4 32.0
279 7.5 3.1 4.7#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 211
Delta R.T. 0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

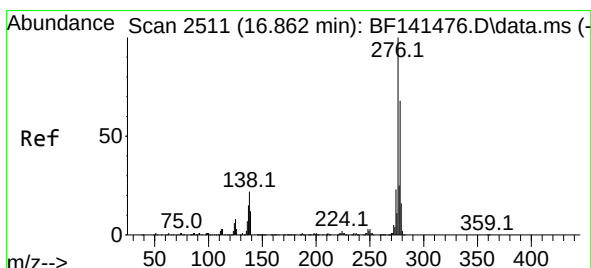
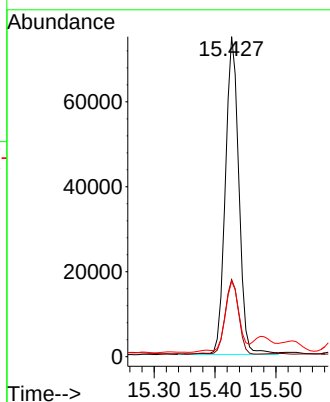
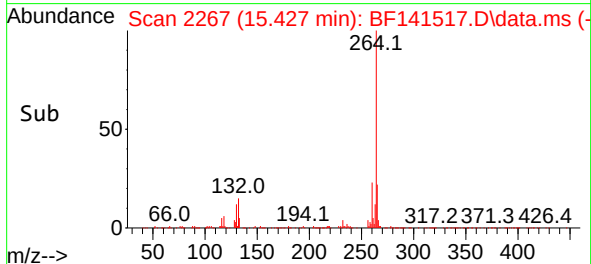


Tgt Ion:264 Resp: 11533
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 23.6 17.0 25.4

Manual Integrations
APPROVED

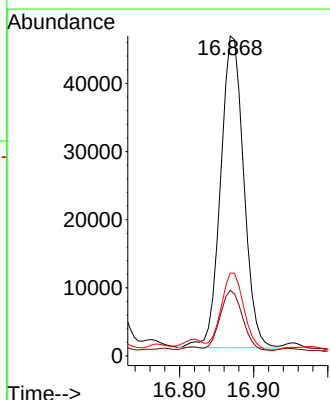
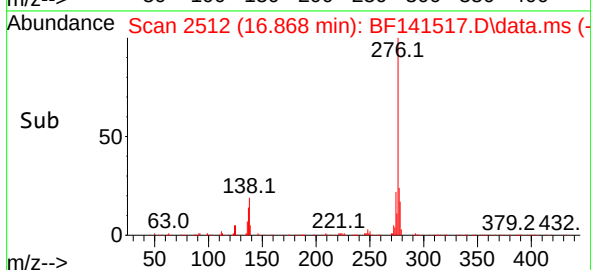
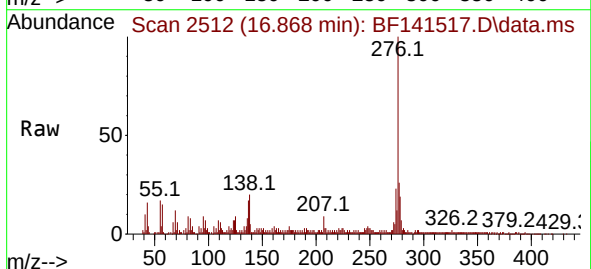
Reviewed By :Rahul
Chavli
02/10/2025

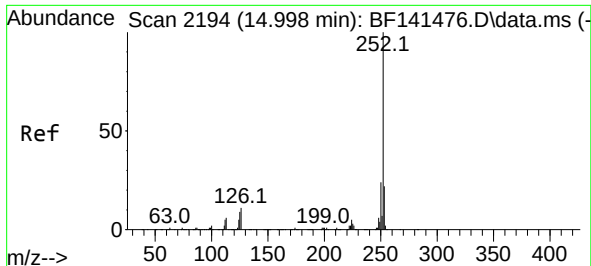
Supervised By :mohammad
ahmed
02/12/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.948 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

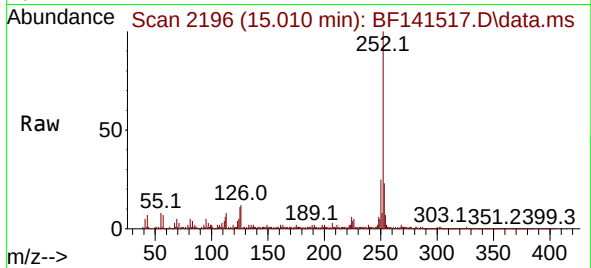
Tgt Ion:276 Resp: 99398
Ion Ratio Lower Upper
276 100
138 19.0 18.0 27.0
277 24.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 33.140 ng m
RT: 15.010 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

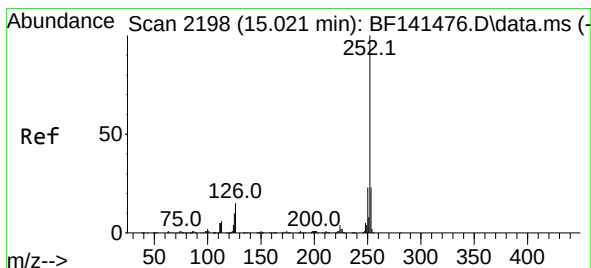
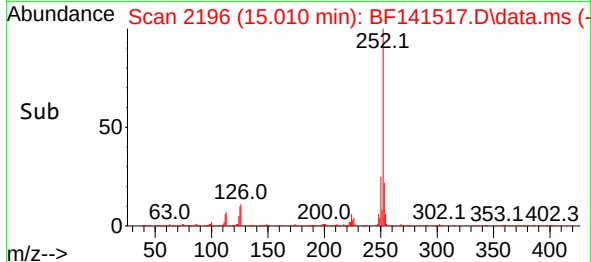
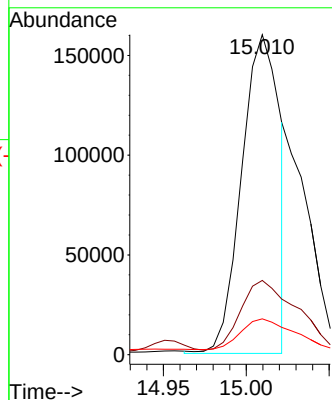


Tgt Ion:252 Resp: 25664
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.2 7.0 10.6

Manual Integrations
APPROVED

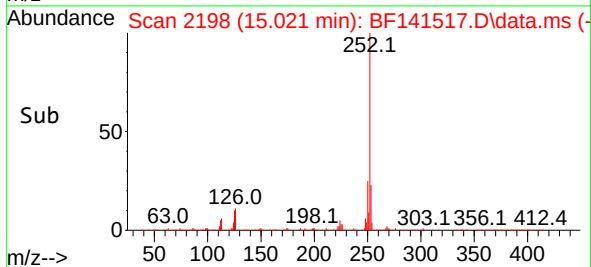
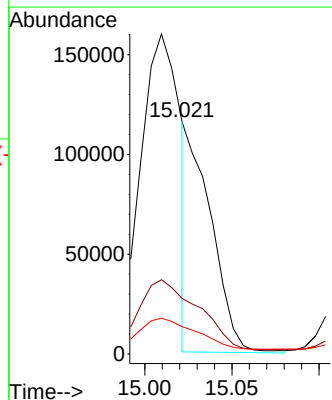
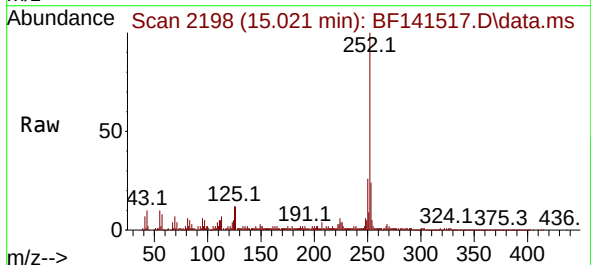
Reviewed By :Rahul
Chavli
02/10/2025

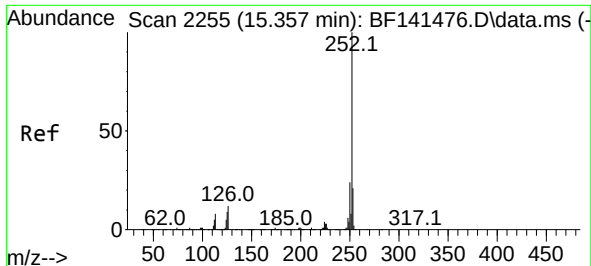
Supervised By :mohammad
ahmed
02/12/2025



#89
Benzo(k)fluoranthene
Concen: 16.336 ng m
RT: 15.021 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

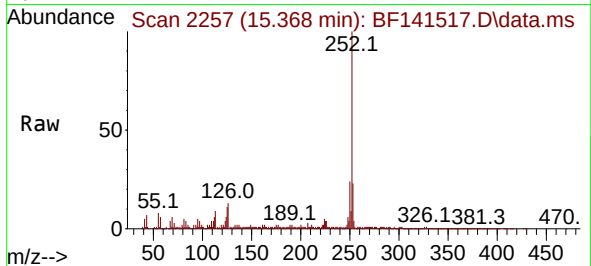
Tgt Ion:252 Resp: 108026
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 11.8 7.4 11.0





#90
Benzo(a)pyrene
Concen: 32.853 ng
RT: 15.368 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825

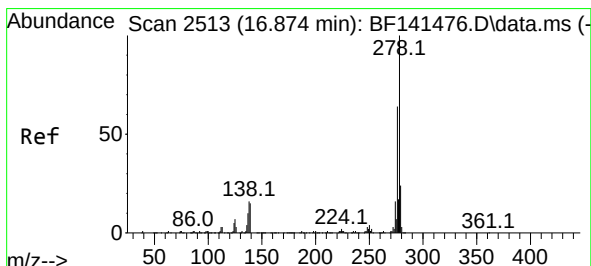
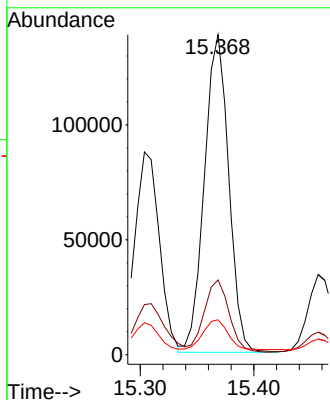
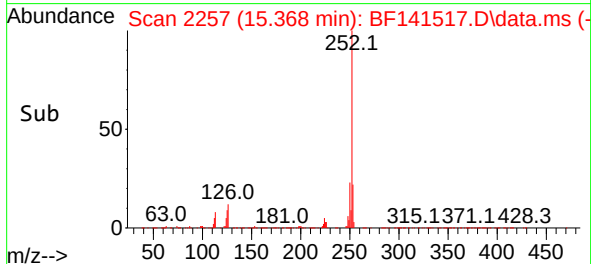


Tgt Ion:252 Resp: 20586
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 10.9 7.4 11.2

Manual Integrations
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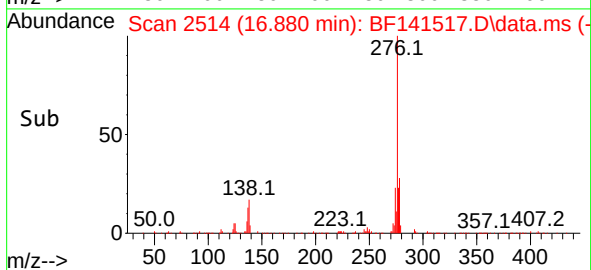
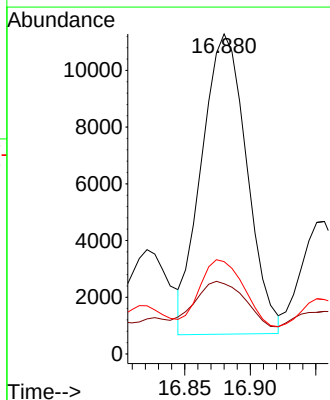
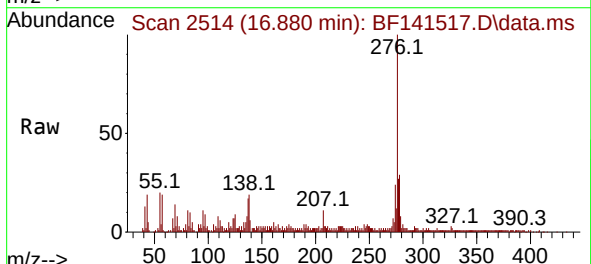
Reviewed By :Rahul
Chavli
02/10/2025

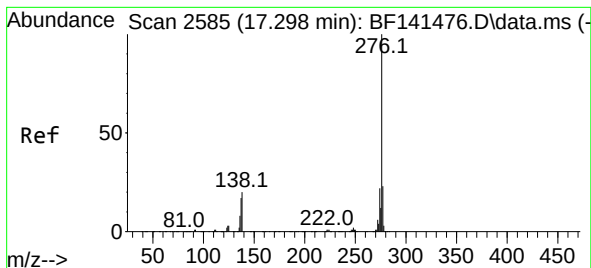
Supervised By :mohammad
ahmed
02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 4.404 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

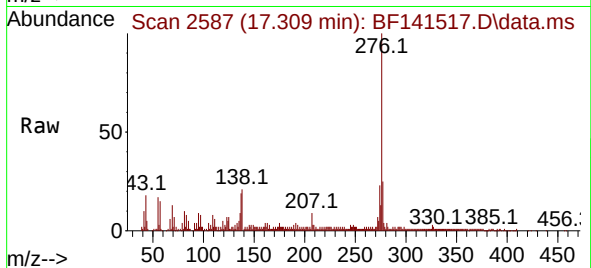
Tgt Ion:278 Resp: 25430
Ion Ratio Lower Upper
278 100
139 21.9 11.8 17.6#
279 28.9 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 16.288 ng
RT: 17.309 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141517.D
Acq: 07 Feb 2025 19:28

Instrument :
BNA_F
ClientSampleId :
JPP-18.1-012825



Tgt Ion:276 Resp: 9842
Ion Ratio Lower Upper
276 100
277 24.9 18.6 28.0
138 20.5 15.9 23.9

Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli
02/10/2025

Supervised By :mohammad
ahmed
02/12/2025

