

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141521.D
 Acq On : 07 Feb 2025 21:13
 Operator : RC/JU
 Sample : Q1241-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.2-013025

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli
 02/10/2025

Supervised By :mohammad
 ahmed
 02/12/2025

Quant Time: Feb 07 22:27:57 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	79798	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	308399	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	141432	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	218291	20.000	ng	0.00
76) Chrysene-d12	13.963	240	140468	20.000	ng	0.00
86) Perylene-d12	15.421	264	106816	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	88842	17.454	ng	0.00
7) Phenol-d6	6.428	99	476222	74.024	ng	-0.01
23) Nitrobenzene-d5	7.351	82	368037	62.245	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	7602	5.351	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	630781	68.712	ng	0.00
79) Terphenyl-d14	12.904	244	552444	66.394	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	45870	2.857	ng	99
52) Acenaphthene	9.857	154	45357	5.594	ng	99
55) Dibenzofuran	10.033	168	36271	3.048	ng	# 95
58) Fluorene	10.375	166	38897	4.227	ng	# 97
71) Phenanthrene	11.339	178	391909	32.616	ng	100
72) Anthracene	11.392	178	113705	9.413	ng	99
73) Carbazole	11.551	167	23356	2.149	ng	# 92
75) Fluoranthene	12.533	202	619098	48.598	ng	99
78) Pyrene	12.763	202	568355	47.531	ng	99
81) Benzo(a)anthracene	13.951	228	233053	24.959	ng	98
83) Chrysene	13.986	228	189598	21.991	ng	96
84) Bis(2-ethylhexyl)phtha...	13.945	149	15604m	3.340	ng	
87) Indeno(1,2,3-cd)pyrene	16.868	276	79111	11.986	ng	94
88) Benzo(b)fluoranthene	15.004	252	198351m	27.656	ng	
89) Benzo(k)fluoranthene	15.015	252	69515m	11.351	ng	
90) Benzo(a)pyrene	15.357	252	146369	25.221	ng	# 93
91) Dibenzo(a,h)anthracene	16.874	278	19042	3.561	ng	# 75
92) Benzo(g,h,i)perylene	17.304	276	76046	13.588	ng	97

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

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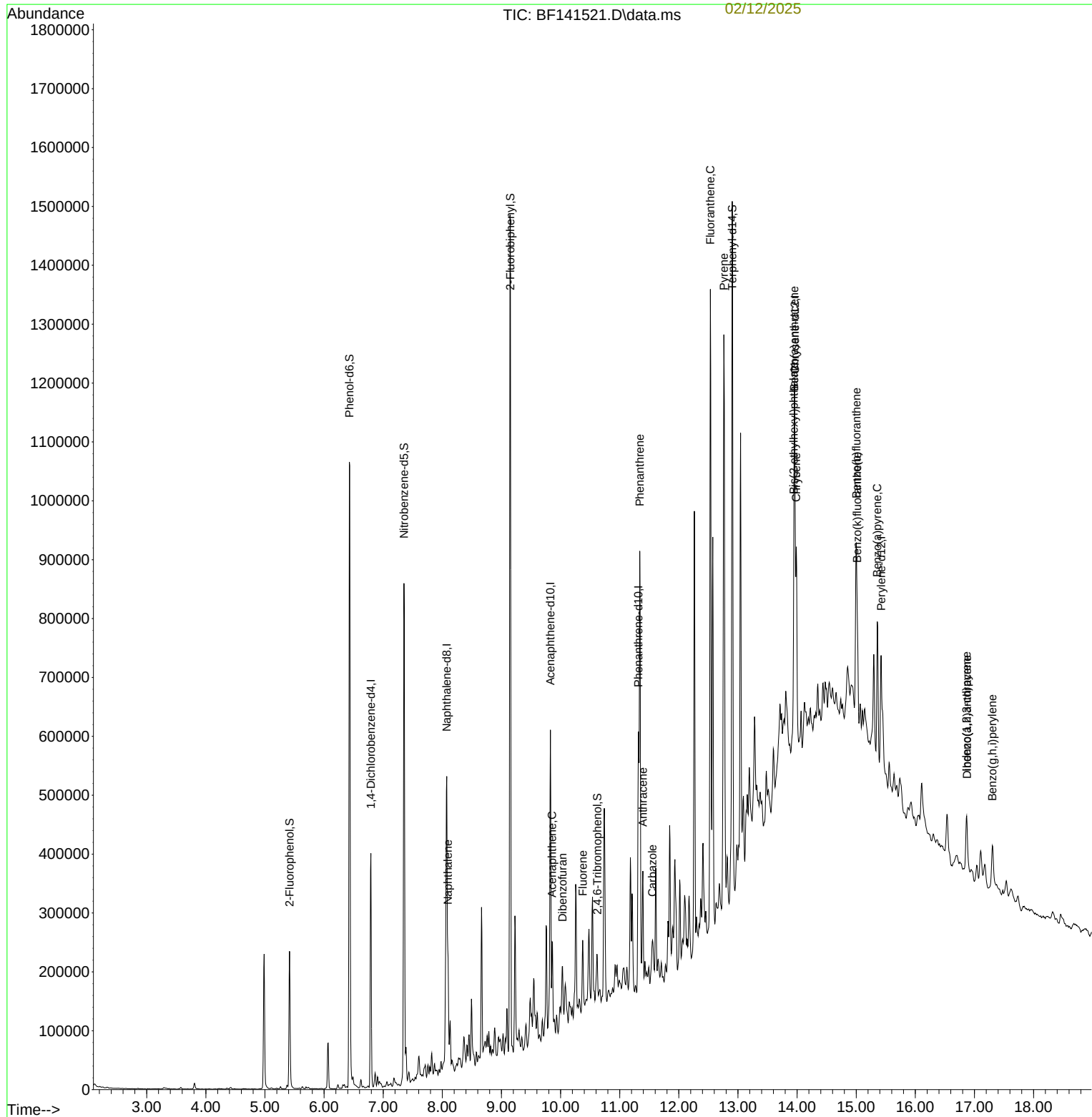
Instrument :
BNA_F
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JPP-5.2-013025

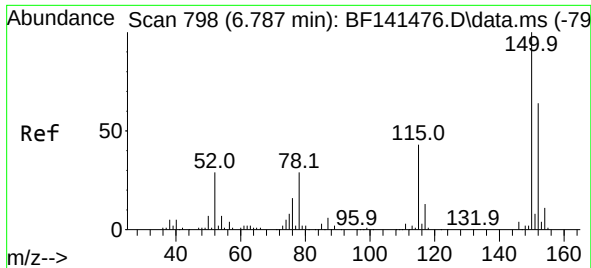
Quant Time: Feb 07 22:27:57 2025
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Chavli
02/10/2025

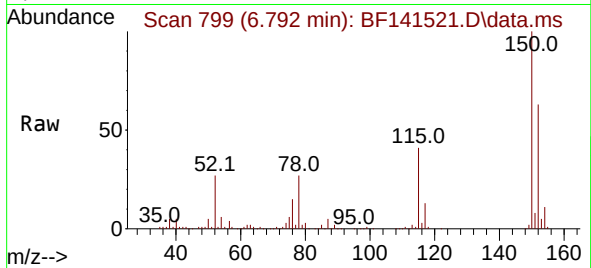
Supervised By :mohammad
ahmed
02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

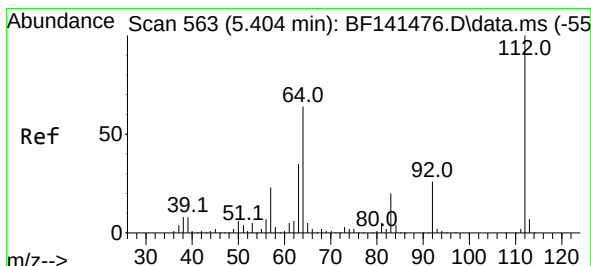
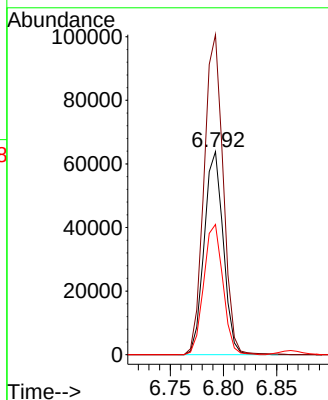
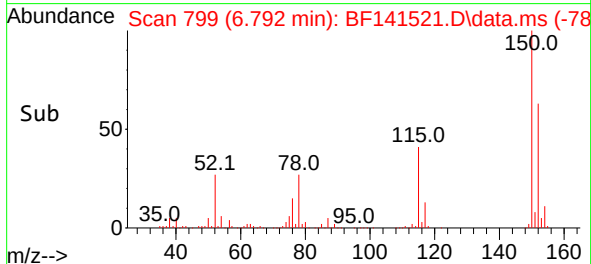


Tgt Ion:152 Resp: 79798
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 64.1 53.6 80.4

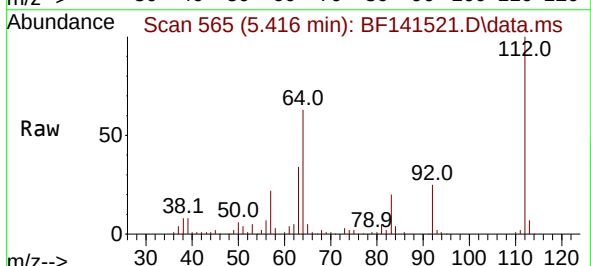
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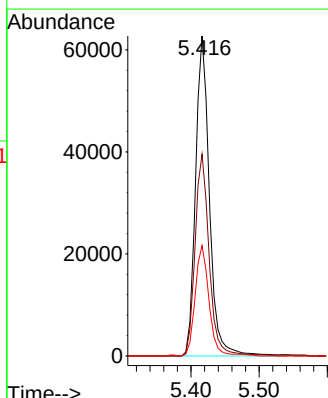
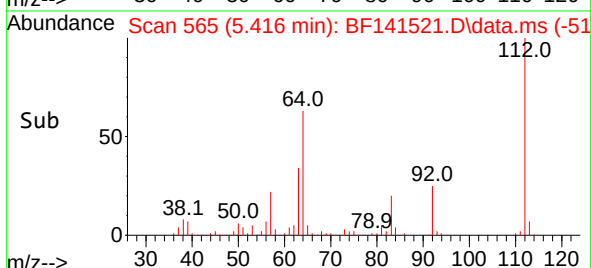
Supervised By :mohammad
ahmed
02/12/2025

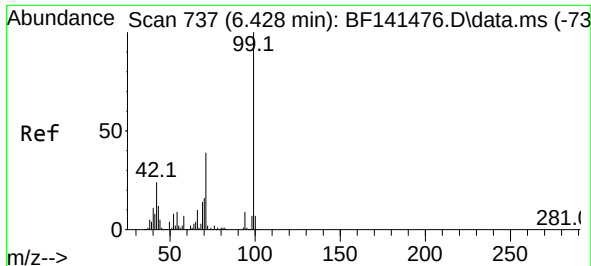


#5
2-Fluorophenol
Concen: 17.454 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13



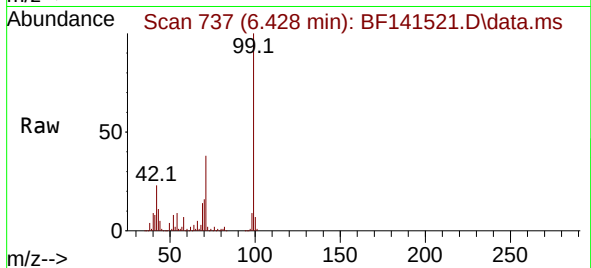
Tgt Ion:112 Resp: 88842
Ion Ratio Lower Upper
112 100
64 63.0 51.1 76.7
63 34.5 28.4 42.6





#7
Phenol-d6
Concen: 74.024 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

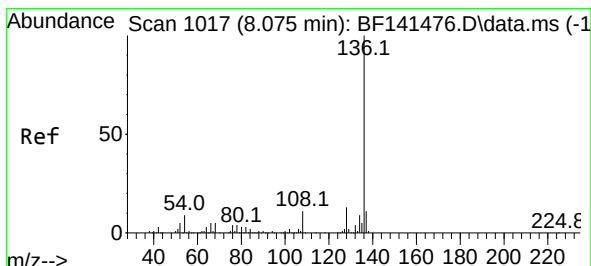
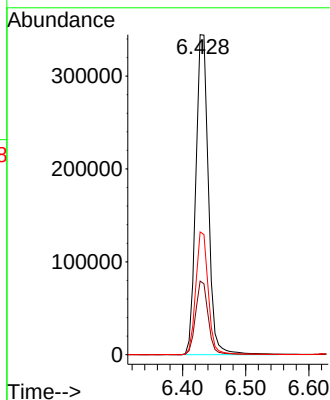
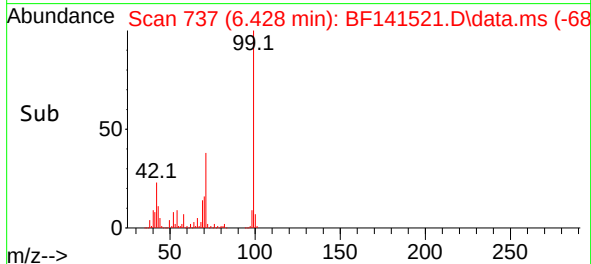


Tgt Ion: 99 Resp: 47622
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.4 31.1 46.7

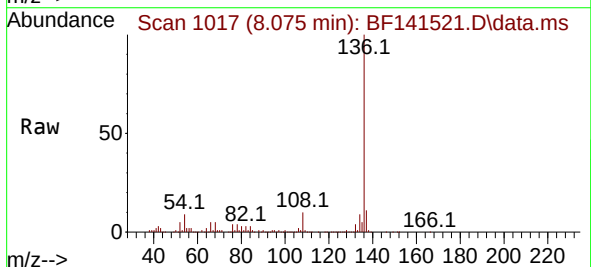
Manual Integrations
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Chavli
02/10/2025

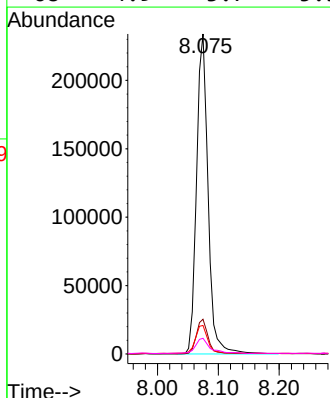
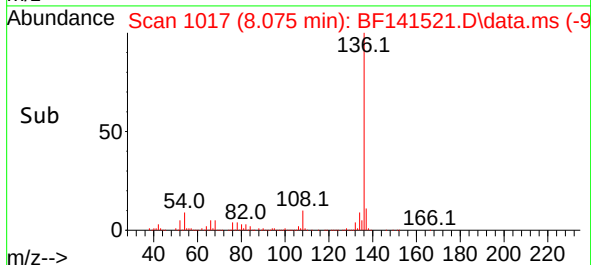
Supervised By :mohammad
ahmed
02/12/2025

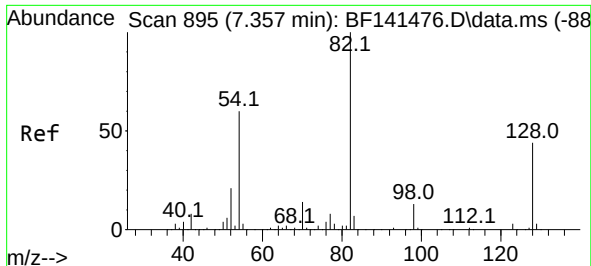


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13



Tgt Ion:136 Resp: 308399
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.9 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 62.245 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

Tgt Ion: 82 Resp: 36803

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.8	52.2
54	59.9	48.2	72.4

Manual Integrations

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Reviewed By :Rahul

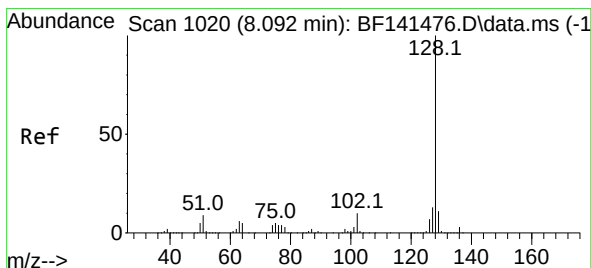
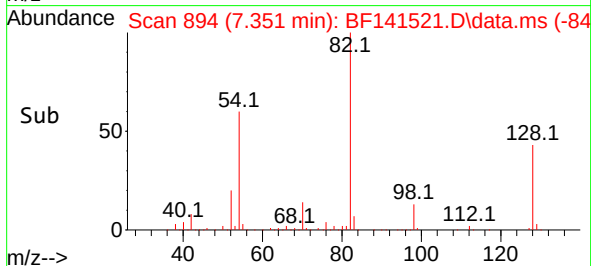
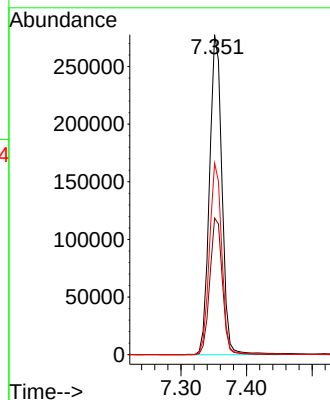
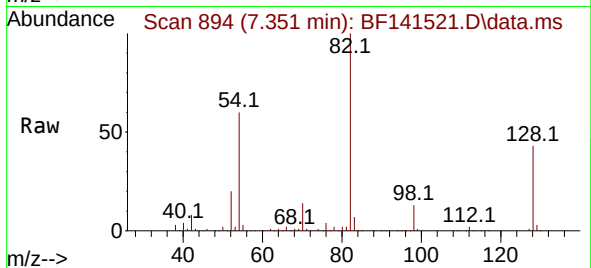
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#31

Naphthalene

Concen: 2.857 ng

RT: 8.092 min Scan# 1020

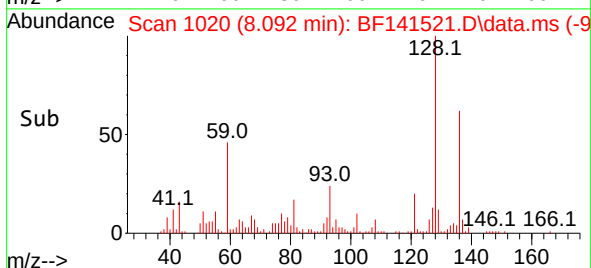
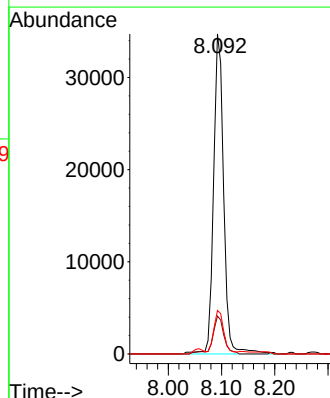
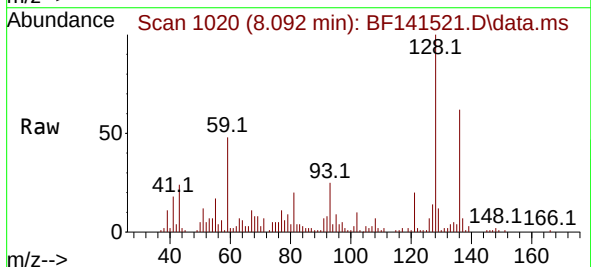
Delta R.T. -0.006 min

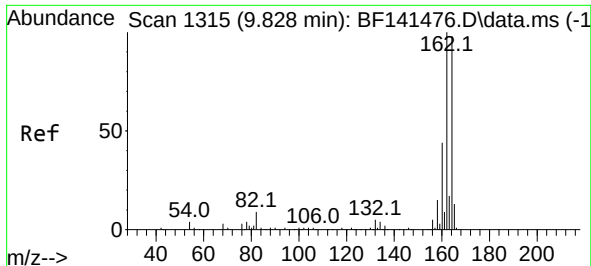
Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Tgt Ion:128 Resp: 45870

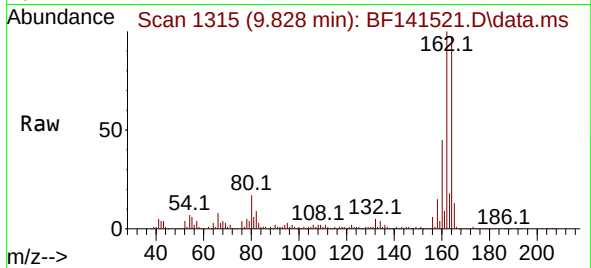
Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.9	13.3
127	13.6	10.7	16.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

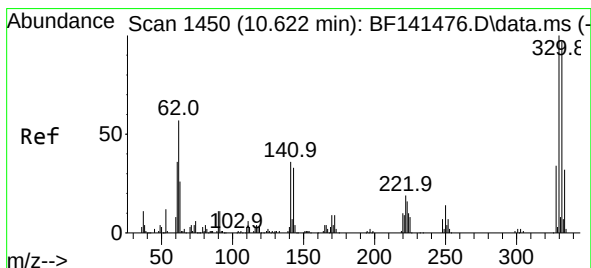
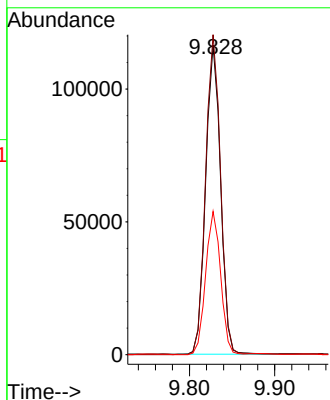
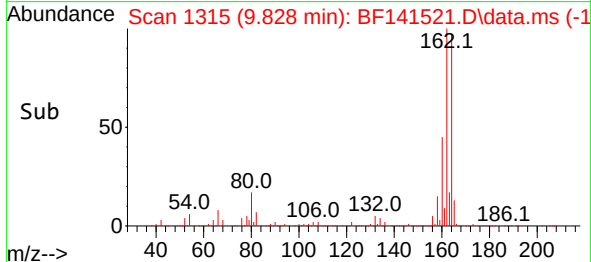


Tgt Ion:164 Resp: 14143
Ion Ratio Lower Upper
164 100
162 103.3 81.3 121.9
160 46.3 35.9 53.9

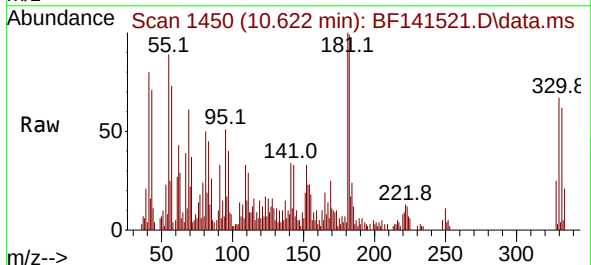
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Reviewed By :Rahul
Chavli
02/10/2025

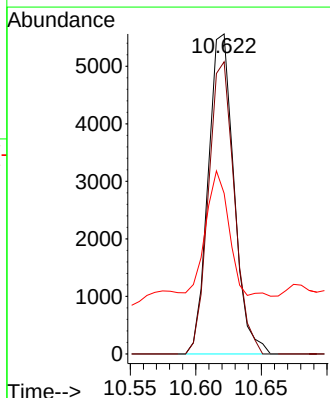
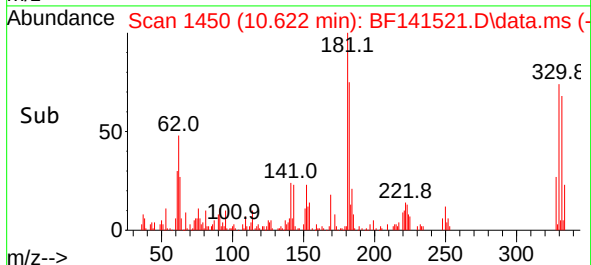
Supervised By :mohammad
ahmed
02/12/2025

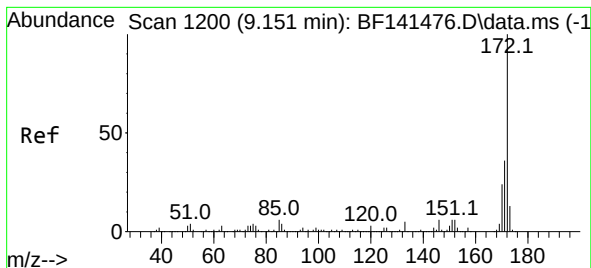


#42
2,4,6-Tribromophenol
Concen: 5.351 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13



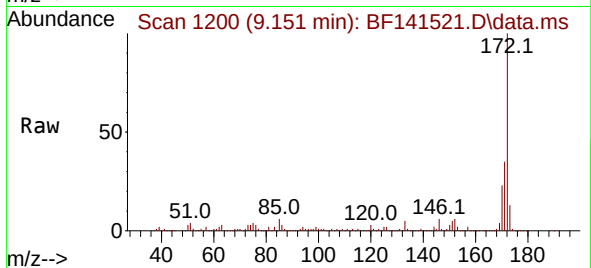
Tgt Ion:330 Resp: 7602
Ion Ratio Lower Upper
330 100
332 91.8 78.5 117.7
141 35.8 31.0 46.4





#45
2-Fluorobiphenyl
Concen: 68.712 ng
RT: 9.151 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

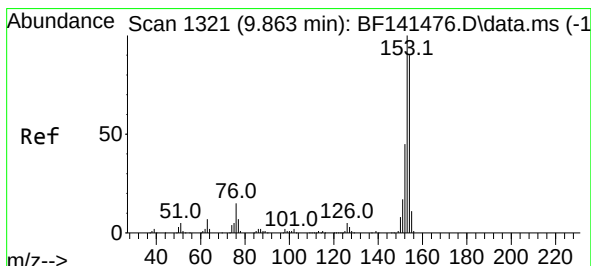
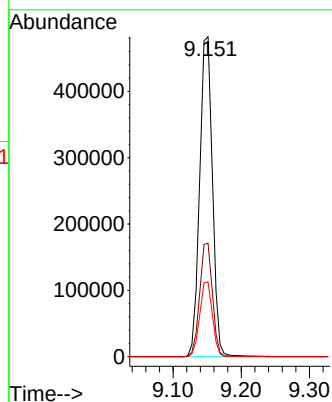


Tgt Ion:172 Resp: 63078
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.3 18.9 28.3

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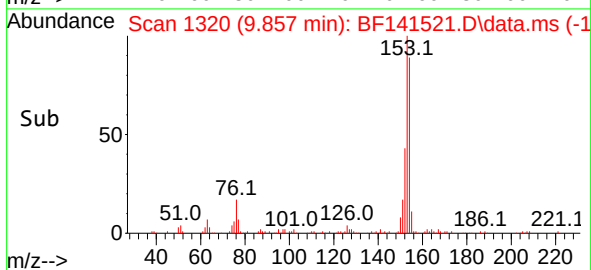
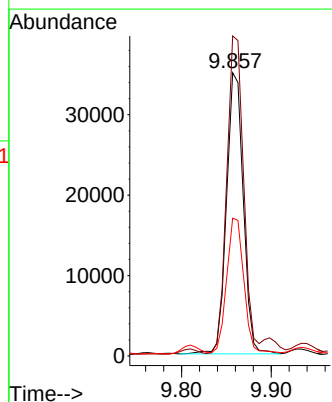
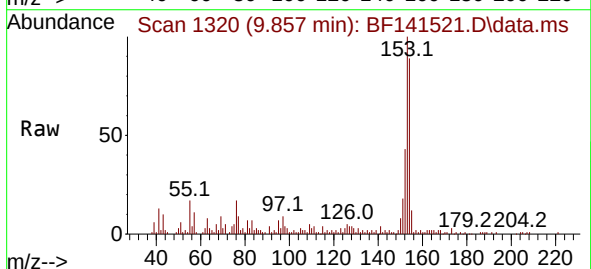
Reviewed By :Rahul
Chavli
02/10/2025

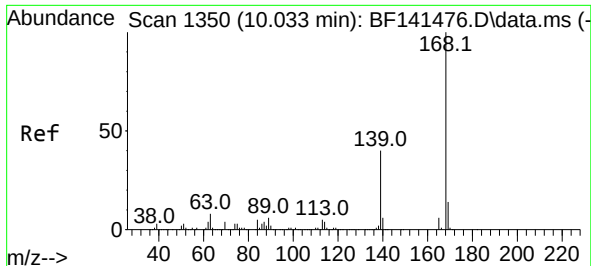
Supervised By :mohammad
ahmed
02/12/2025



#52
Acenaphthene
Concen: 5.594 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

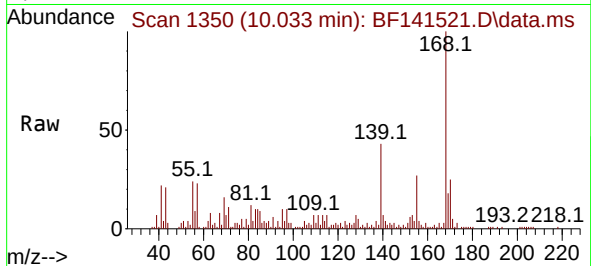
Tgt Ion:154 Resp: 45357
Ion Ratio Lower Upper
154 100
153 113.0 89.2 133.8
152 48.7 39.8 59.8





#55
Dibenzenofuran
Concen: 3.048 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

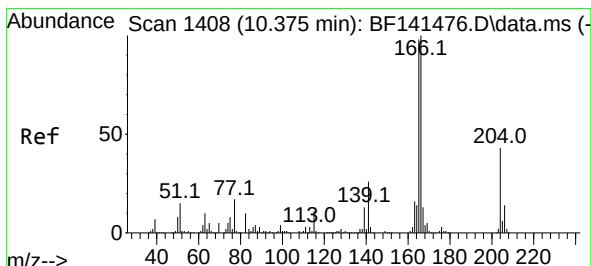
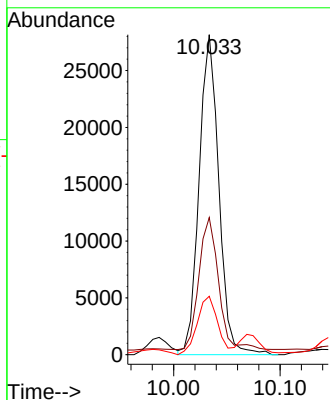
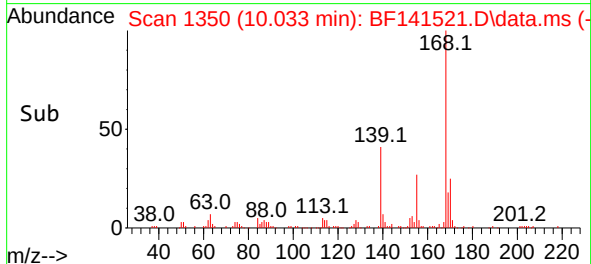


Tgt Ion:168 Resp: 3627
Ion Ratio Lower Upper
168 100
139 42.9 32.7 49.1
169 18.3 10.8 16.2

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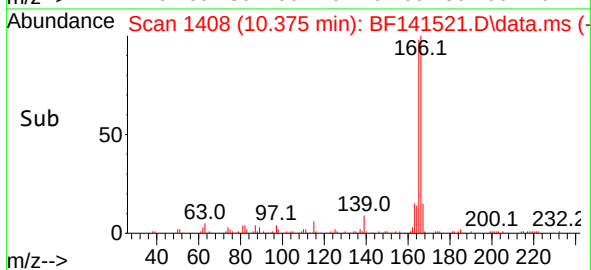
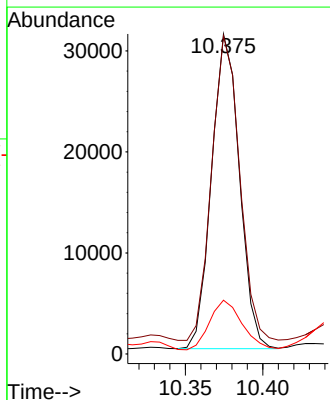
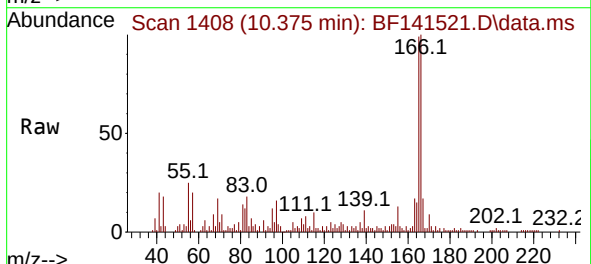
Reviewed By :Rahul
Chavli
02/10/2025

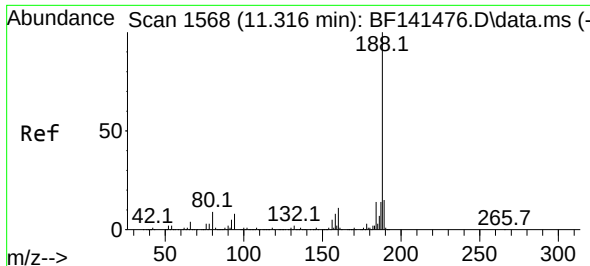
Supervised By :mohammad
ahmed
02/12/2025



#58
Fluorene
Concen: 4.227 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

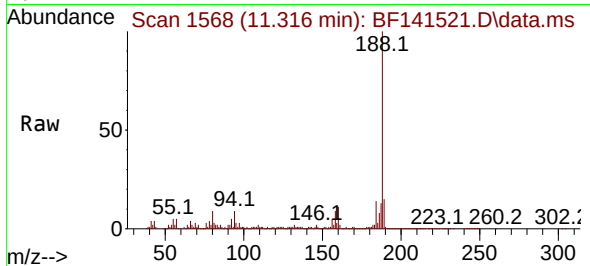
Tgt Ion:166 Resp: 38897
Ion Ratio Lower Upper
166 100
165 99.4 78.2 117.2
167 16.8 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Instrument :
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ClientSampleId :
JPP-5.2-013025

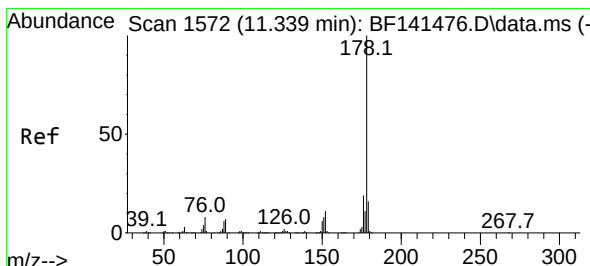
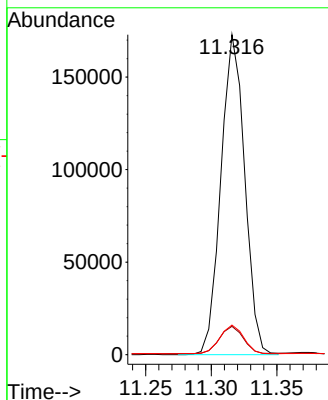
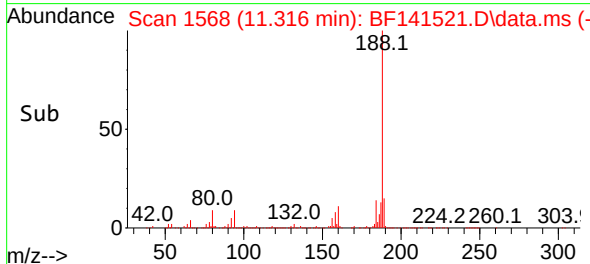


Tgt Ion:188 Resp: 21829
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.2 7.3 10.9

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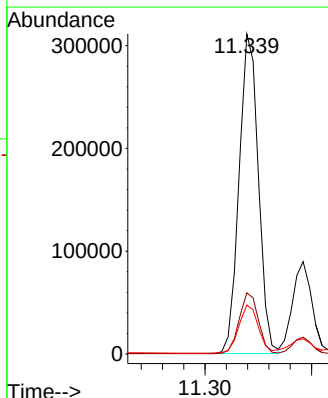
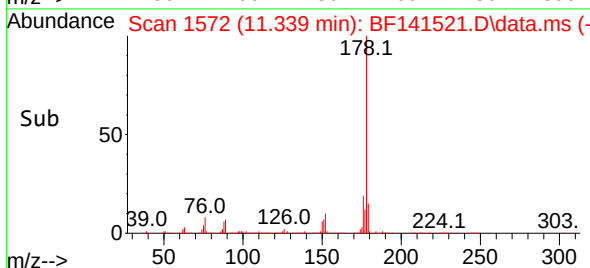
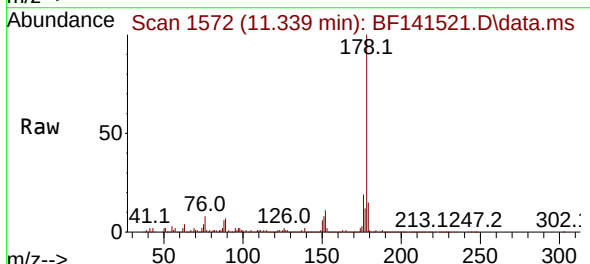
Reviewed By :Rahul
Chavli
02/10/2025

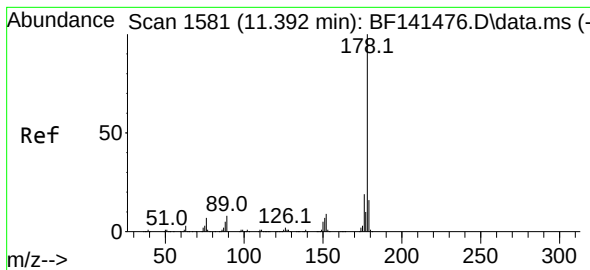
Supervised By :mohammad
ahmed
02/12/2025



#71
Phenanthrene
Concen: 32.616 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

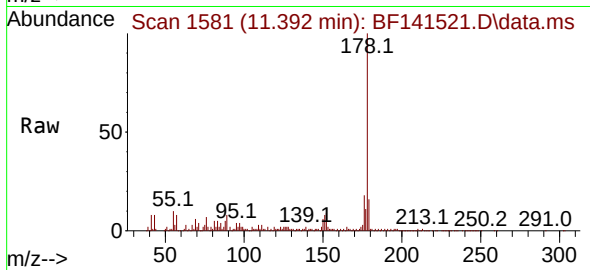
Tgt Ion:178 Resp: 391909
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.3 12.4 18.6





#72
 Anthracene
 Concen: 9.413 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: BF141521.D
 Acq: 07 Feb 2025 21:13

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.2-013025

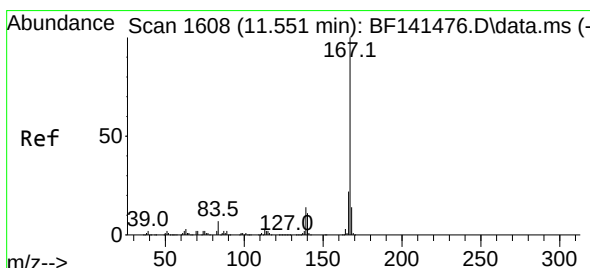
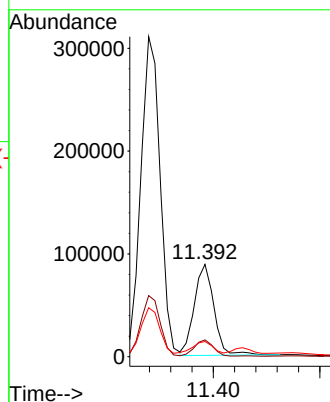
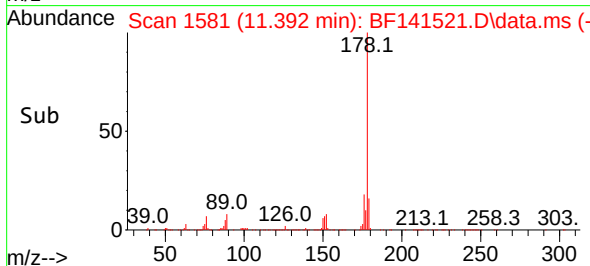


Tgt Ion:178 Resp: 113708
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 16.4 12.4 18.6

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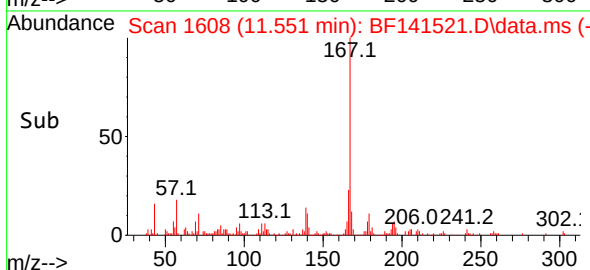
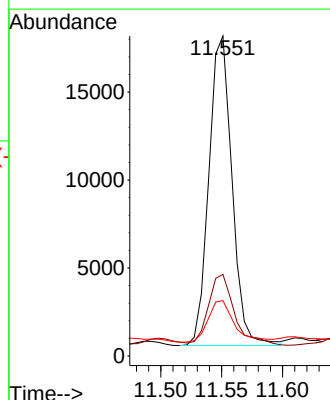
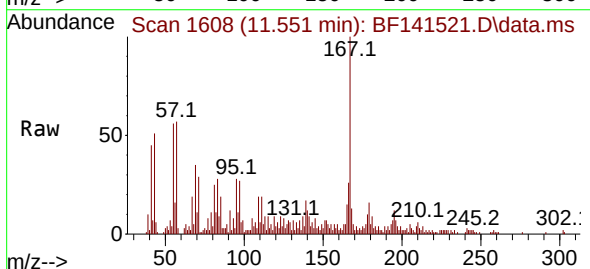
Reviewed By :Rahul
 Chavli
 02/10/2025

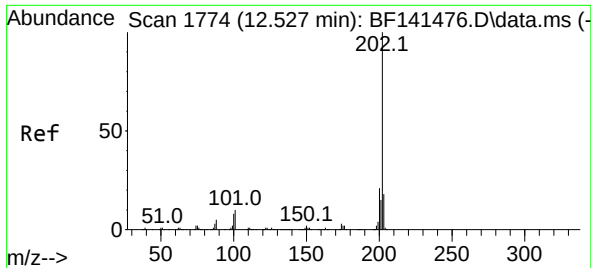
Supervised By :mohammad
 ahmed
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#73
 Carbazole
 Concen: 2.149 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141521.D
 Acq: 07 Feb 2025 21:13

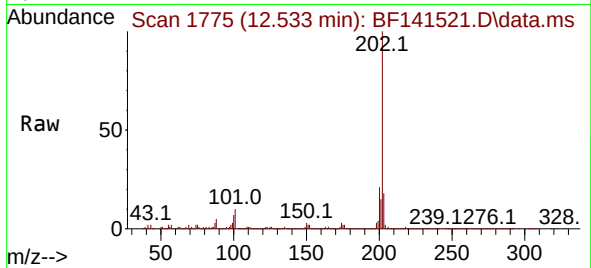
Tgt Ion:167 Resp: 23356
 Ion Ratio Lower Upper
 167 100
 166 25.5 17.4 26.2
 139 17.3 10.9 16.3#





#75
Fluoranthene
Concen: 48.598 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

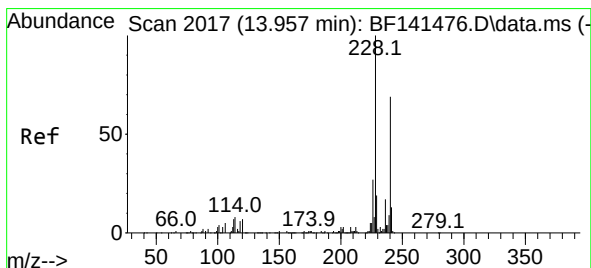
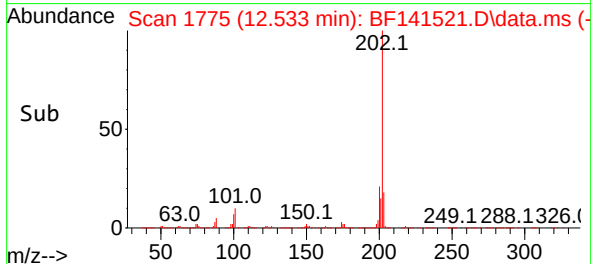
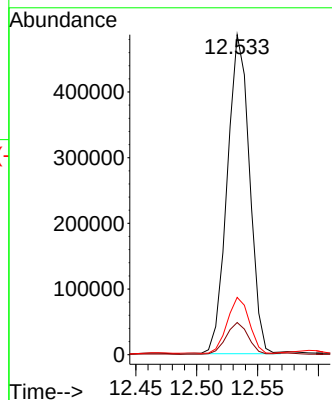


Tgt Ion:202 Resp: 619098
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.9 0.0 37.6

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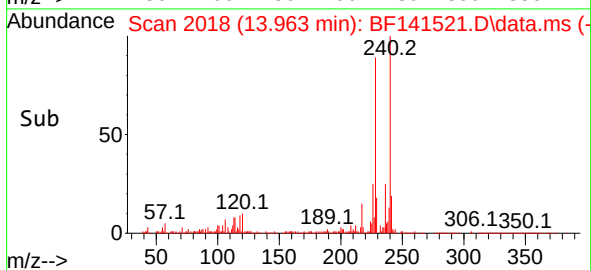
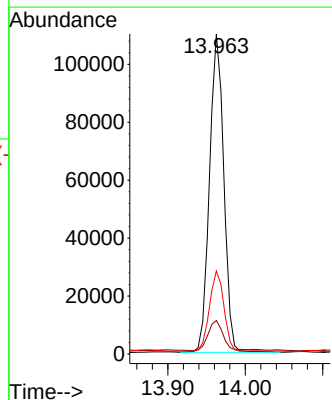
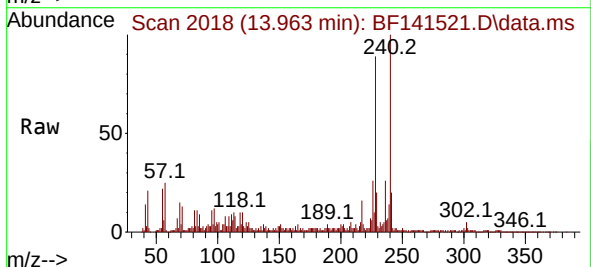
Reviewed By :Rahul
Chavli
02/10/2025

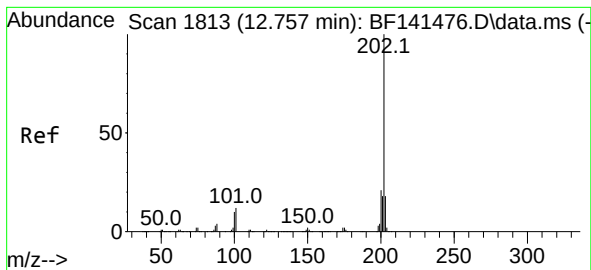
Supervised By :mohammad
ahmed
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:240 Resp: 140468
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 26.0 19.8 29.8





#78

Pyrene

Concen: 47.531 ng

RT: 12.763 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

Tgt Ion:202 Resp: 56835

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 19.1 14.3 21.5

Manual Integrations

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Reviewed By :Rahul

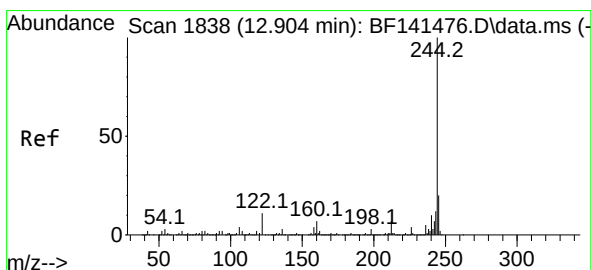
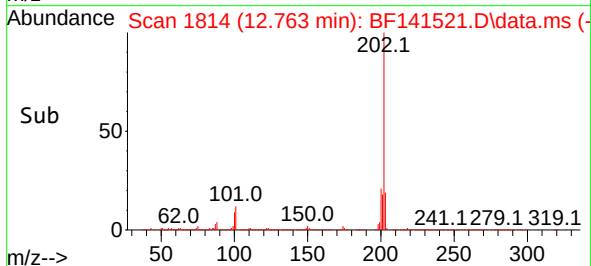
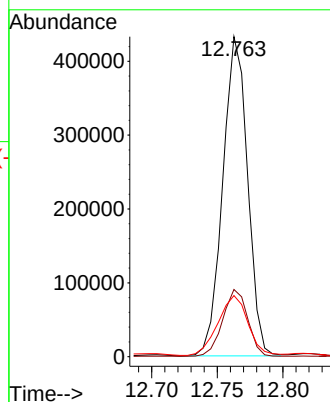
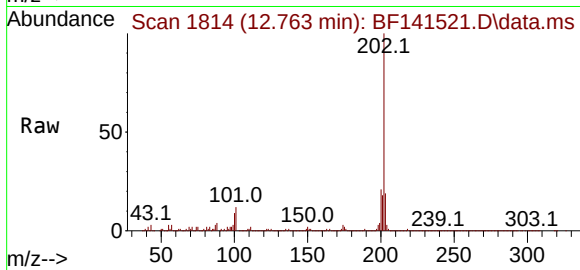
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#79

Terphenyl-d14

Concen: 66.394 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

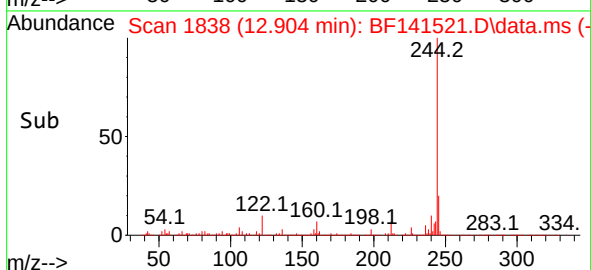
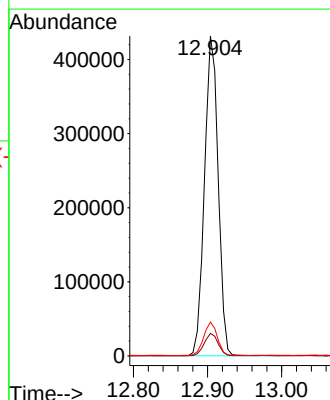
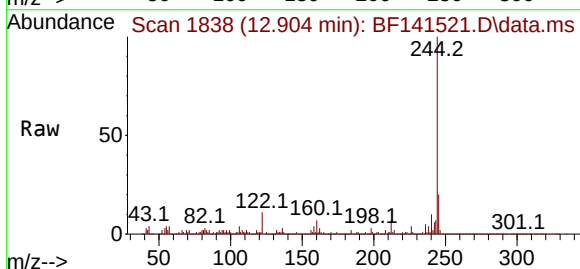
Tgt Ion:244 Resp: 552444

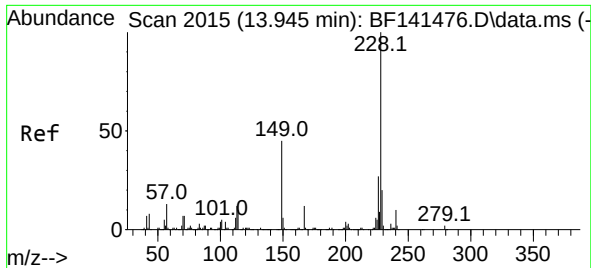
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.6 8.4 12.6





#81
Benzo(a)anthracene
Concen: 24.959 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

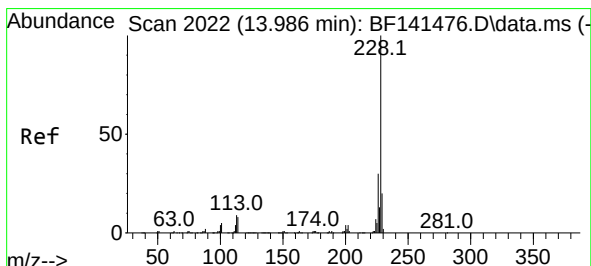
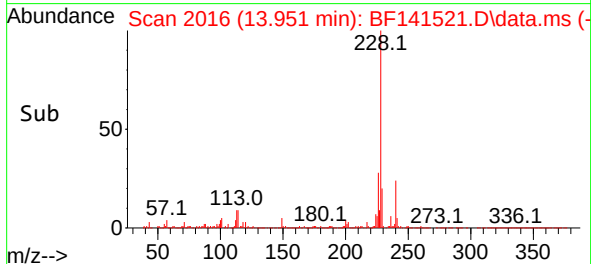
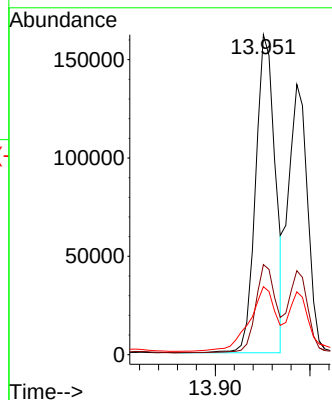
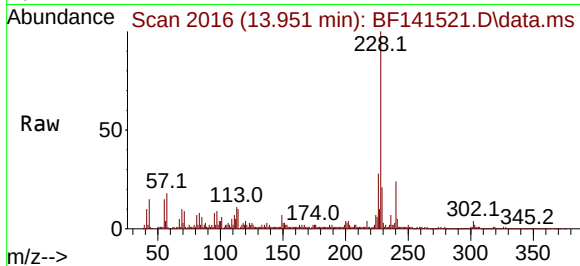
Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

Tgt Ion:228 Resp: 23305
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 21.2 15.8 23.6

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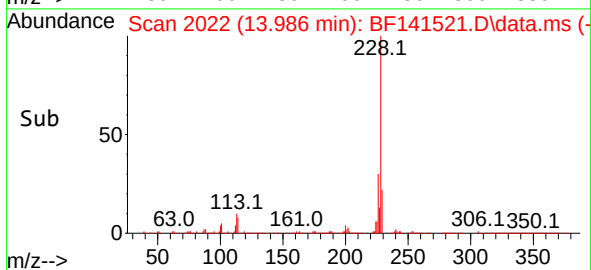
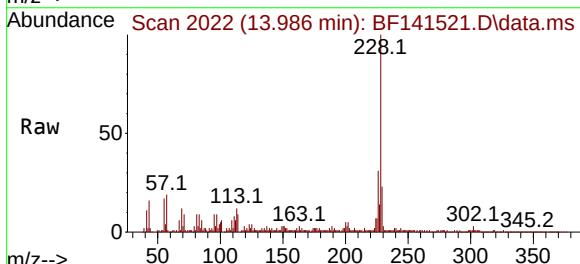
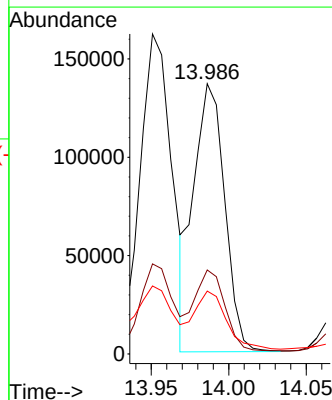
Reviewed By :Rahul
Chavli
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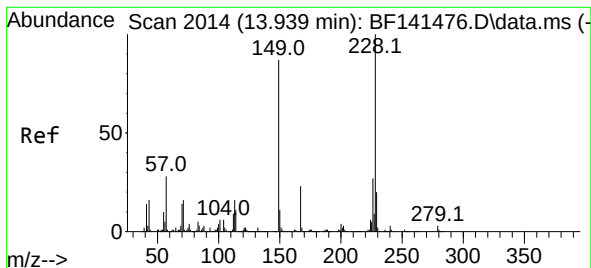
Supervised By :mohammad
ahmed
02/12/2025



#83
Chrysene
Concen: 21.991 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion:228 Resp: 189598
Ion Ratio Lower Upper
228 100
226 31.1 24.0 36.0
229 23.3 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.340 ng m

RT: 13.945 min Scan# 2014

Delta R.T. 0.006 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

Tgt Ion:149 Resp: 15604

Ion	Ratio	Lower	Upper
149	100		
167	31.6	21.4	32.0
279	7.0	3.1	4.7

Manual Integrations

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Reviewed By :Rahul

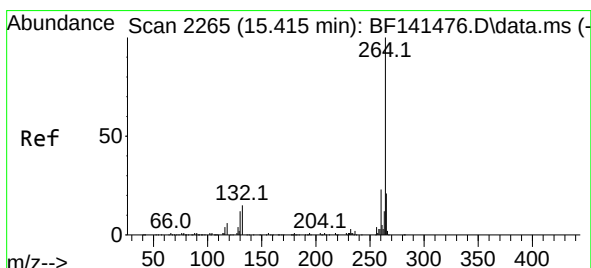
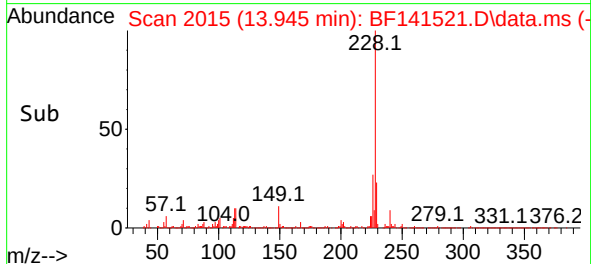
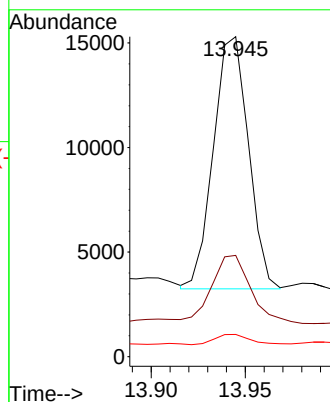
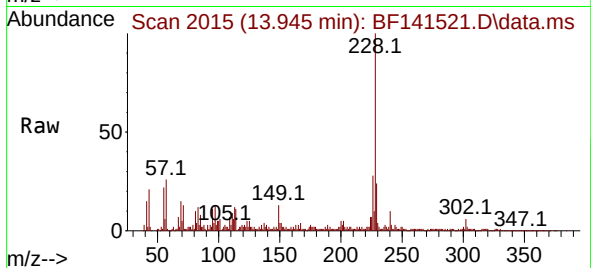
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#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

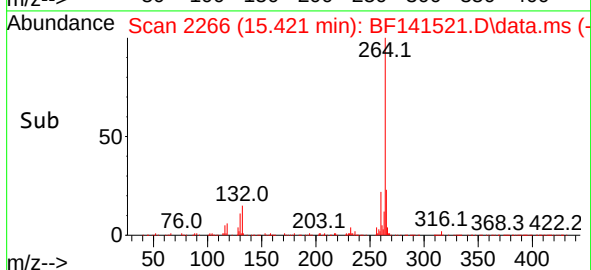
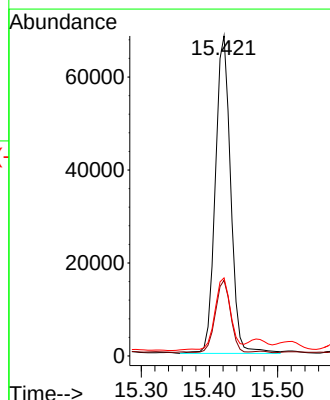
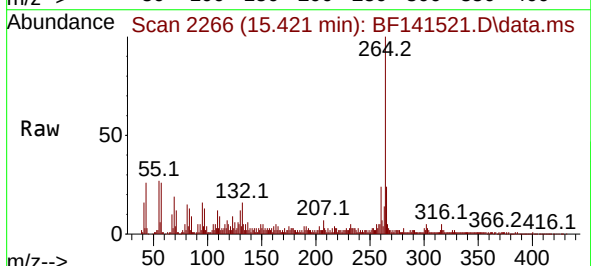
Delta R.T. 0.006 min

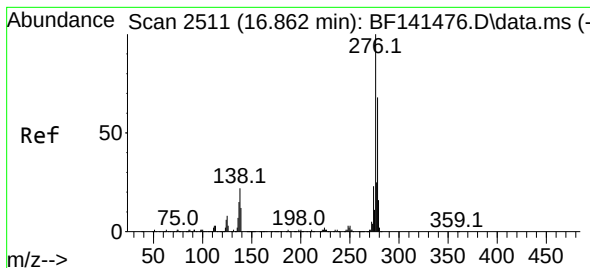
Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Tgt Ion:264 Resp: 106816

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	24.4	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.986 ng

RT: 16.868 min Scan# 2111

Delta R.T. -0.006 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

Tgt Ion:	276	Resp:	7911
Ion Ratio	Lower	Upper	
276	100		
138	18.1	18.0	27.0
277	24.1	20.4	30.6

Manual Integrations

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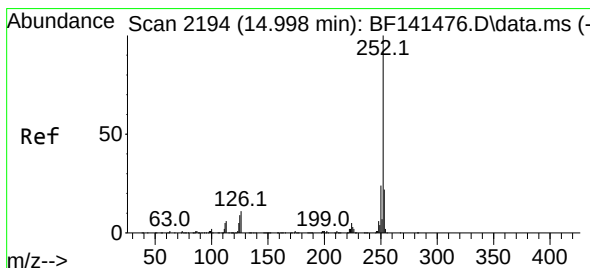
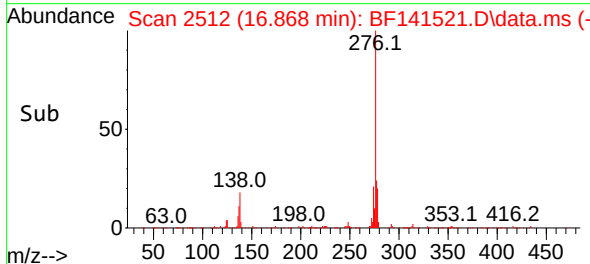
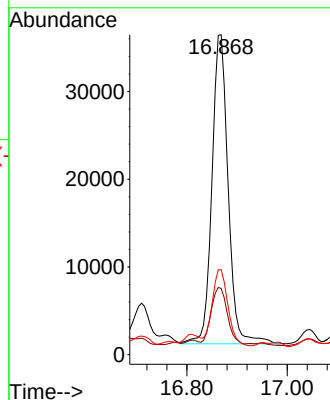
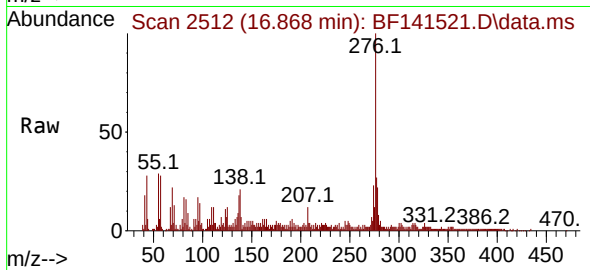
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#88

Benzo(b)fluoranthene

Concen: 27.656 ng m

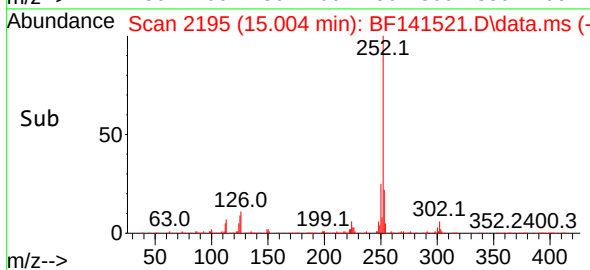
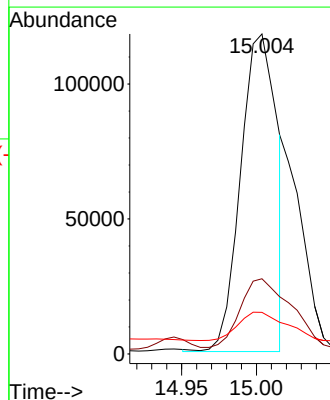
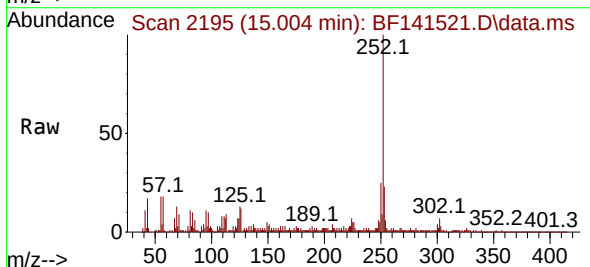
RT: 15.004 min Scan# 2195

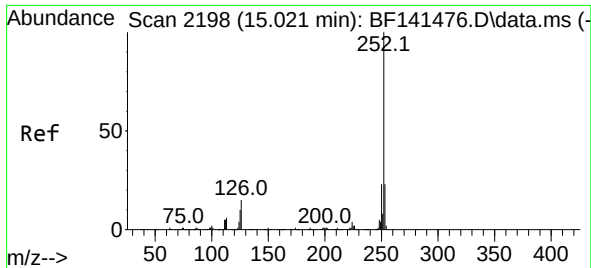
Delta R.T. 0.000 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Tgt Ion:	252	Resp:	198351
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	13.0	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 11.351 ng m

RT: 15.015 min Scan# 2198

Delta R.T. -0.018 min

Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Instrument :

BNA_F

ClientSampleId :

JPP-5.2-013025

Tgt Ion:252 Resp: 69515

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.0	27.0
125	14.4	7.4	11.0

Manual Integrations

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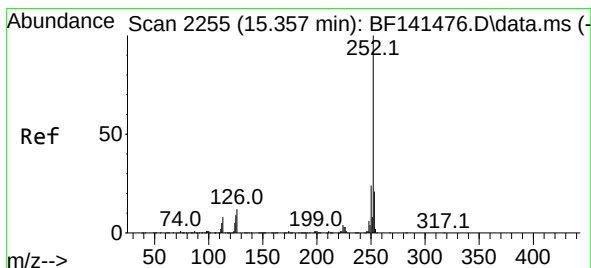
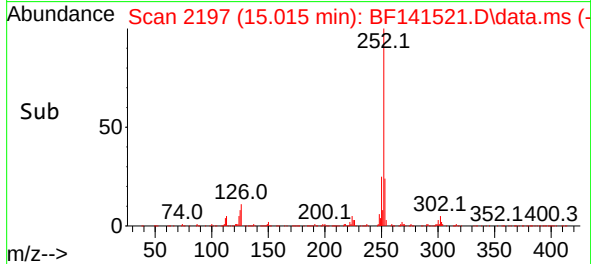
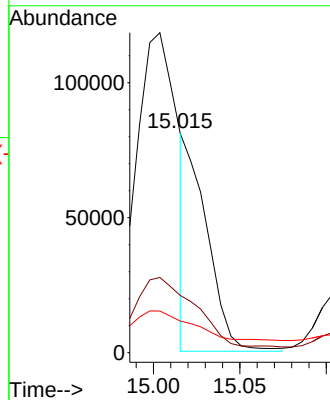
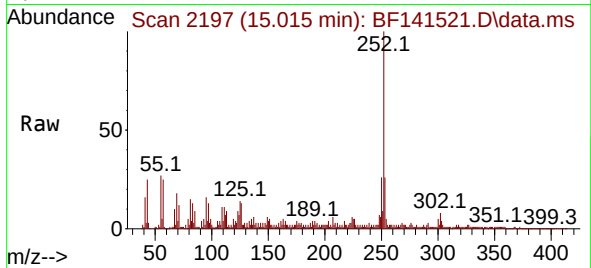
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#90

Benzo(a)pyrene

Concen: 25.221 ng

RT: 15.357 min Scan# 2255

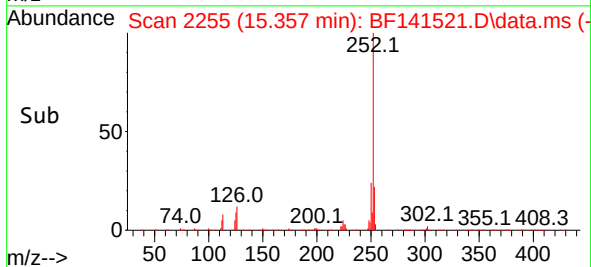
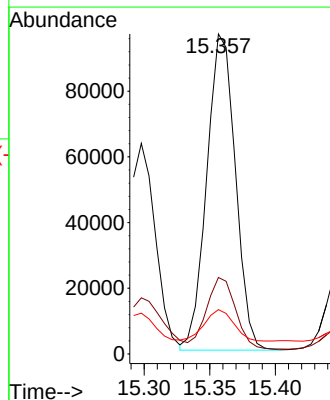
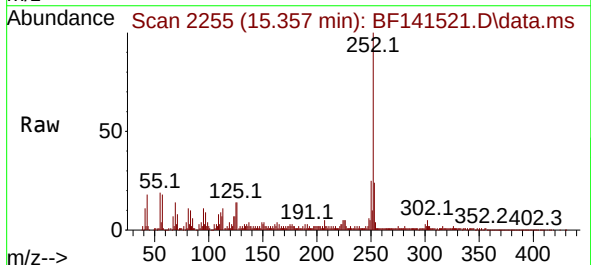
Delta R.T. -0.006 min

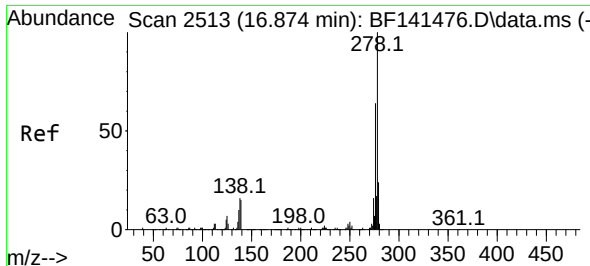
Lab File: BF141521.D

Acq: 07 Feb 2025 21:13

Tgt Ion:252 Resp: 146369

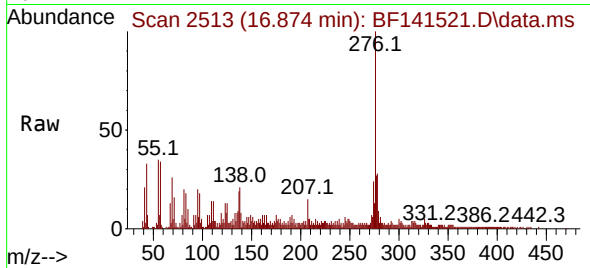
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	13.9	7.4	11.2





#91
Dibenzo(a,h)anthracene
Concen: 3.561 ng
RT: 16.874 min Scan# 2513
Delta R.T. -0.018 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Instrument :
BNA_F
ClientSampleId :
JPP-5.2-013025

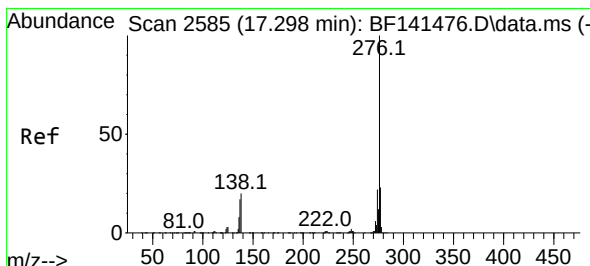
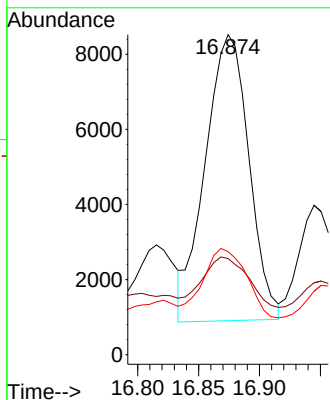
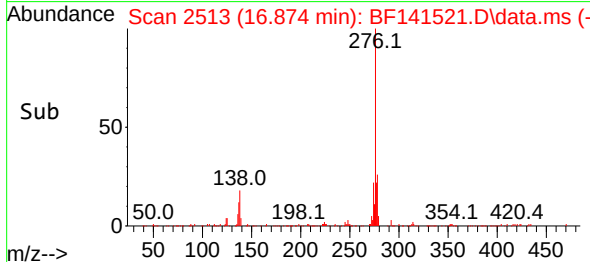


Tgt Ion: 278 Resp: 1904
Ion Ratio Lower Upper
278 100
139 30.1 11.8 17.6
279 32.2 19.1 28.7

Manual Integrations
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Reviewed By :Rahul
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02/10/2025

Supervised By :mohammad
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02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 13.588 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.012 min
Lab File: BF141521.D
Acq: 07 Feb 2025 21:13

Tgt Ion: 276 Resp: 76046
Ion Ratio Lower Upper
276 100
277 24.8 18.6 28.0
138 21.4 15.9 23.9

