

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141522.D
 Acq On : 07 Feb 2025 21:40
 Operator : RC/JU
 Sample : Q1235-07 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 22:28:26 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	6.793	152	91628	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	347094	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	170343	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	255902	20.000	ng	0.00
76) Chrysene-d12	13.963	240	155441	20.000	ng	0.00
86) Perylene-d12	15.439	264	120766	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	200043	34.227	ng	0.00
7) Phenol-d6	6.428	99	257096	34.804	ng	-0.01
23) Nitrobenzene-d5	7.351	82	161860	24.323	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	44636	26.085	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	304796	27.567	ng	0.00
79) Terphenyl-d14	12.904	244	253037	27.481	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	322056	22.863	ng	100
72) Anthracene	11.392	178	90802	6.413	ng	100
75) Fluoranthene	12.533	202	739267	49.502	ng	100
78) Pyrene	12.763	202	745126	56.311	ng	99
81) Benzo(a)anthracene	13.957	228	317812	30.758	ng	96
83) Chrysene	13.992	228	229228	24.026	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	94040	12.602	ng	97
88) Benzo(b)fluoranthene	15.016	252	241889m	29.830	ng	
89) Benzo(k)fluoranthene	15.027	252	104739m	15.126	ng	
90) Benzo(a)pyrene	15.374	252	190748	29.071	ng	# 95
91) Dibenzo(a,h)anthracene	16.892	278	23207	3.838	ng	# 77
92) Benzo(g,h,i)perylene	17.327	276	95582	15.106	ng	98

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

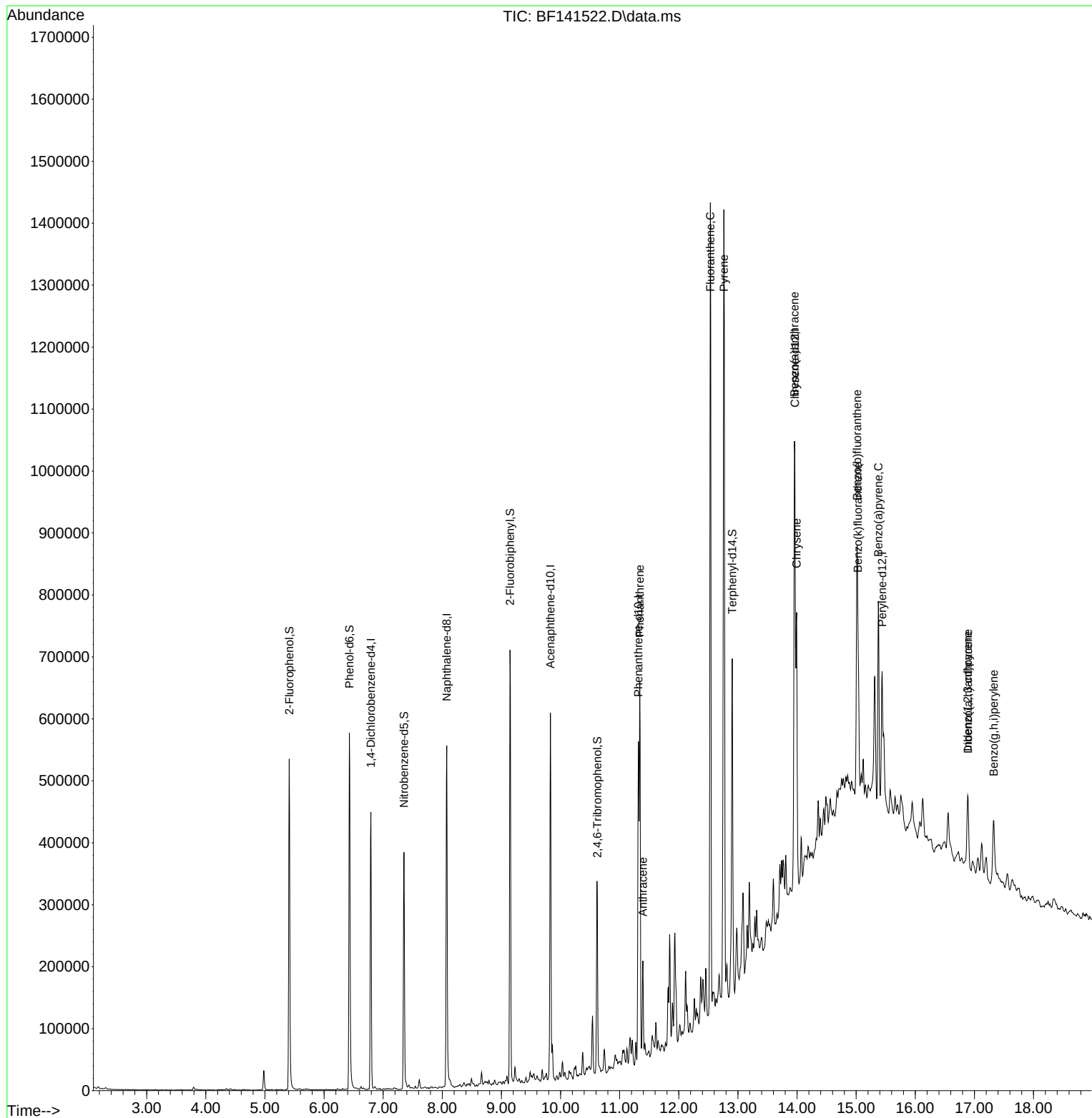
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141522.D
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ALS Vial : 18 Sample Multiplier: 1

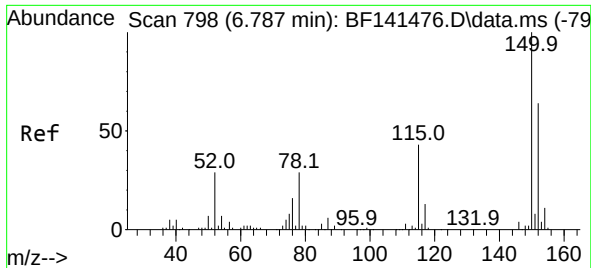
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Quant Time: Feb 07 22:28:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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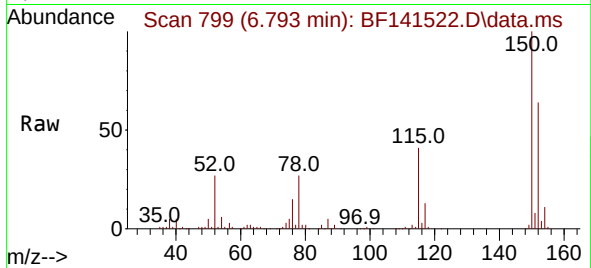
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 798
Delta R.T. 0.001 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

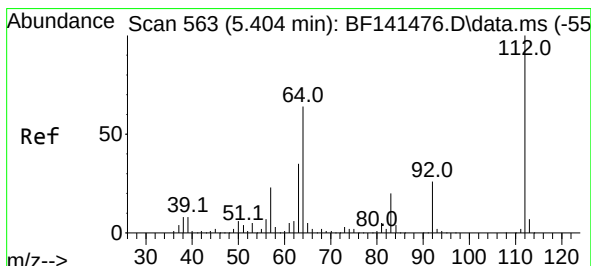
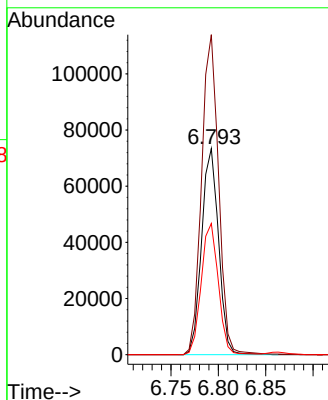
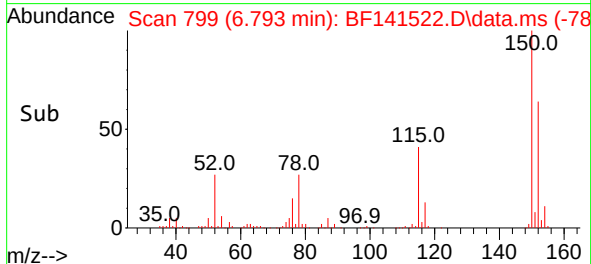
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925



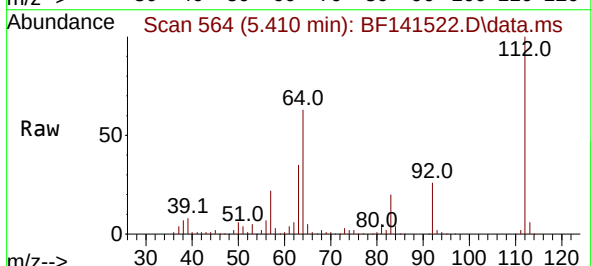
Tgt Ion:152 Resp: 91628
Ion Ratio Lower Upper
152 100
150 155.3 125.0 187.4
115 63.7 53.6 80.4

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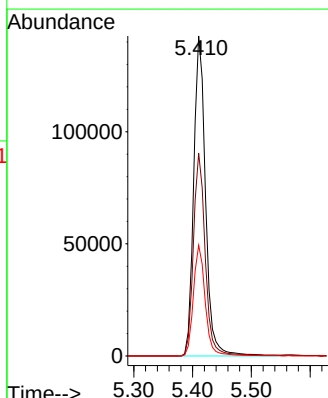
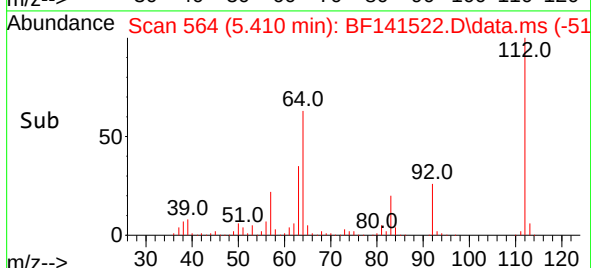
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

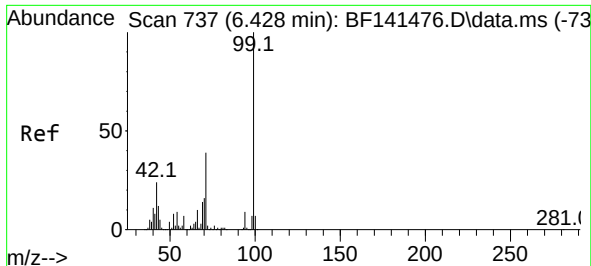


#5
2-Fluorophenol
Concen: 34.227 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40



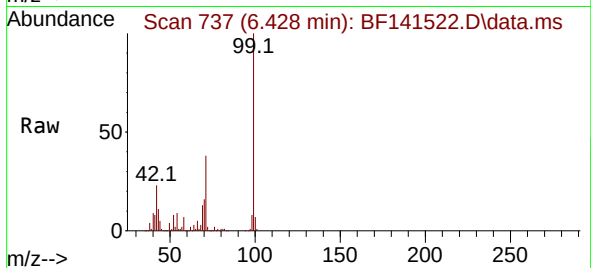
Tgt Ion:112 Resp: 200043
Ion Ratio Lower Upper
112 100
64 63.4 51.1 76.7
63 34.6 28.4 42.6





#7
Phenol-d6
Concen: 34.804 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

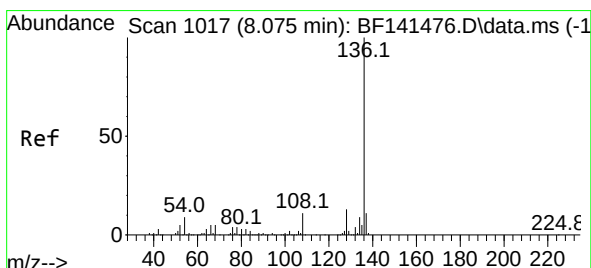
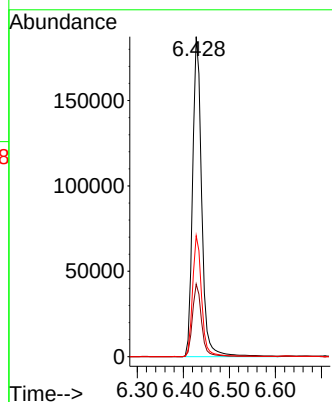
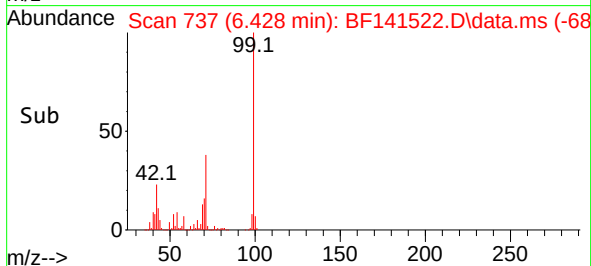
Instrument :
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JPP-16.1-012925



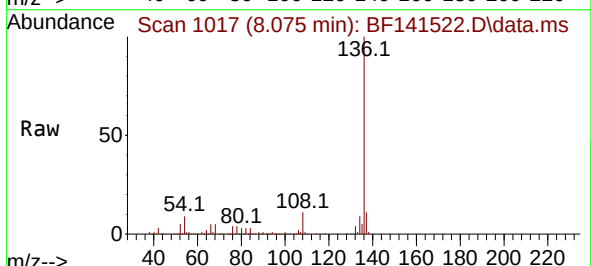
Tgt Ion: 99 Resp: 257090
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 37.8 31.1 46.7

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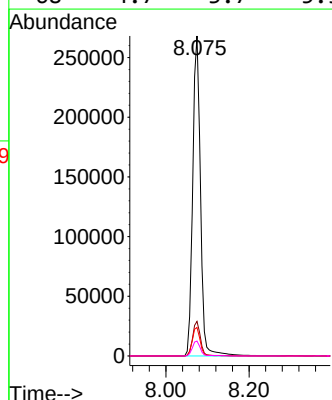
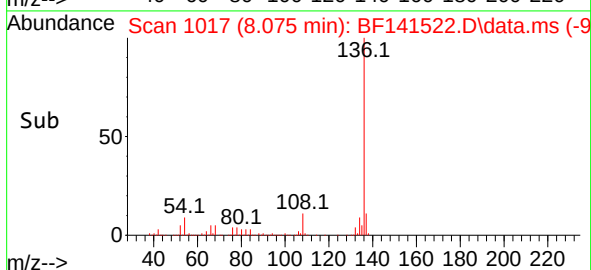
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

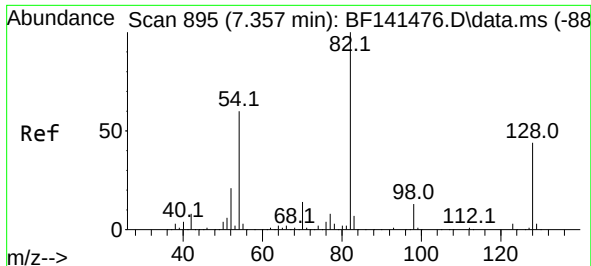


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40



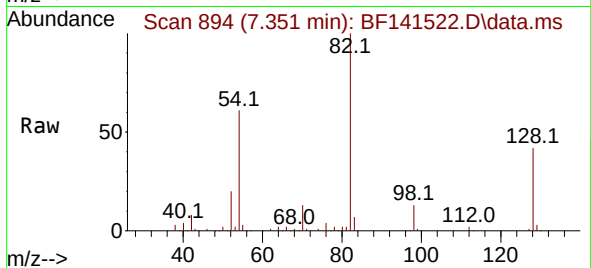
Tgt Ion:136 Resp: 347094
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.9 7.2 10.8
68 4.7 3.7 5.5





#23
Nitrobenzene-d5
Concen: 24.323 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

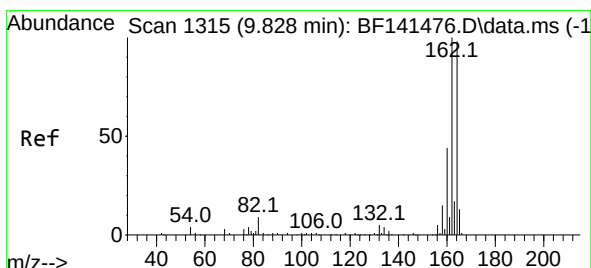
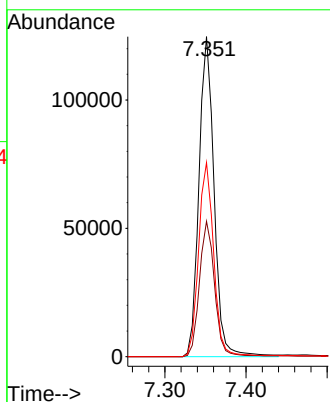
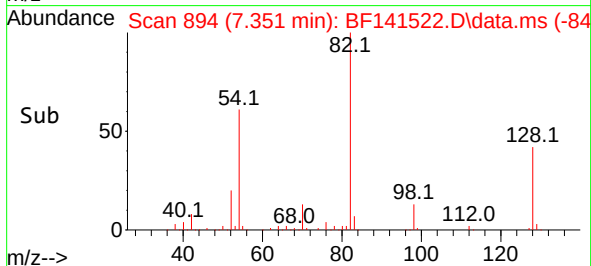
Instrument :
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Tgt Ion: 82 Resp: 161860
Ion Ratio Lower Upper
82 100
128 42.3 34.8 52.2
54 60.7 48.2 72.4

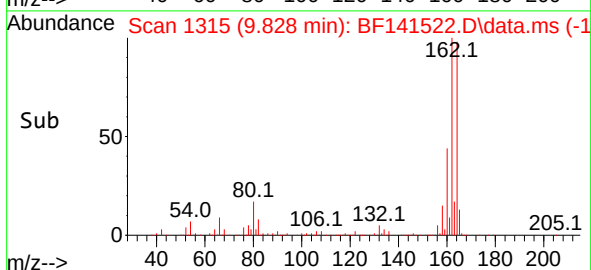
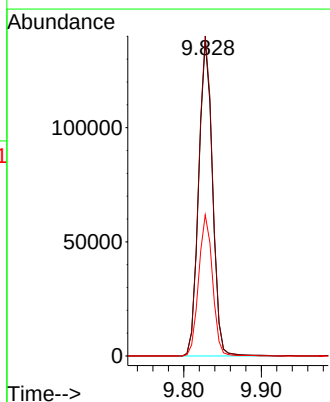
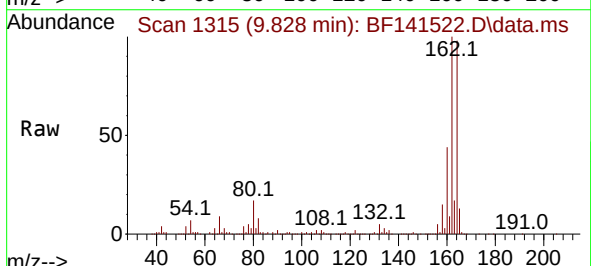
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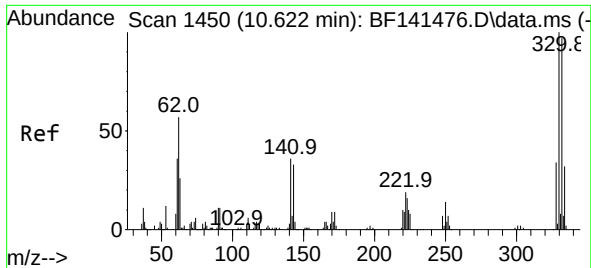
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

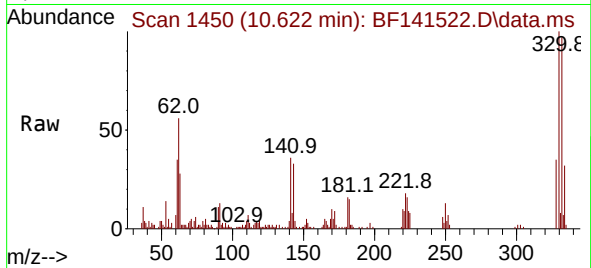
Tgt Ion:164 Resp: 170343
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 26.085 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

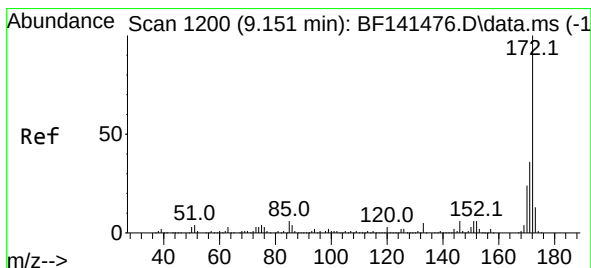
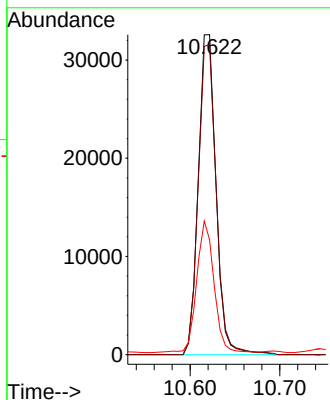
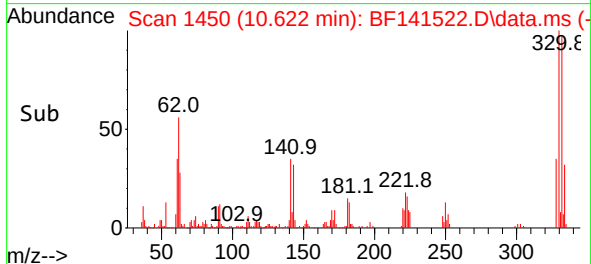
Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925



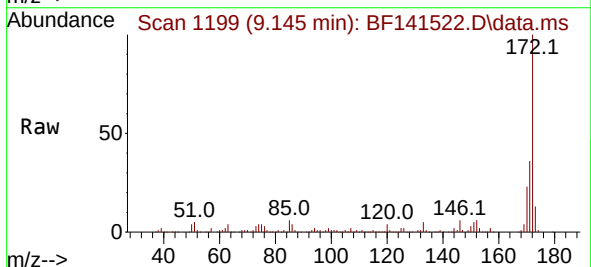
Tgt Ion: 330 Resp: 44630
Ion Ratio Lower Upper
330 100
332 98.7 78.5 117.7
141 40.2 31.0 46.4

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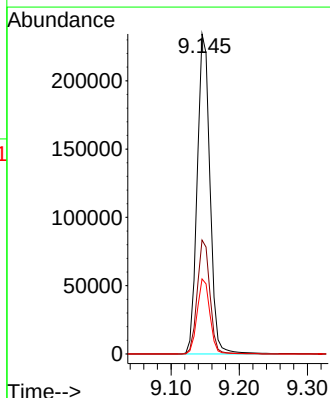
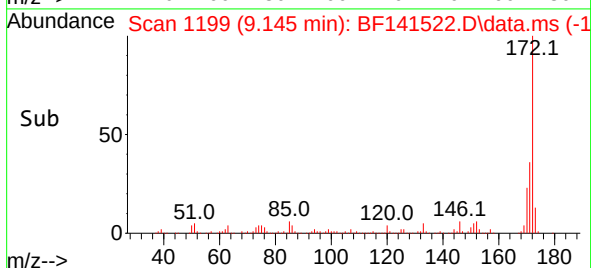
Reviewed By :Rahul Chavli 02/10/2025
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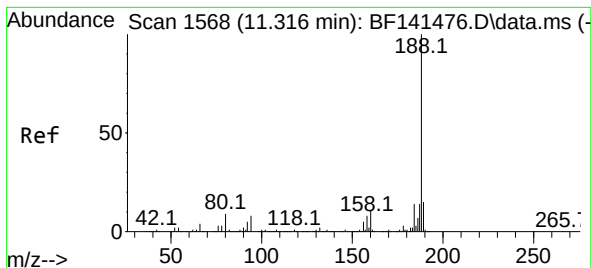


#45
2-Fluorobiphenyl
Concen: 27.567 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40



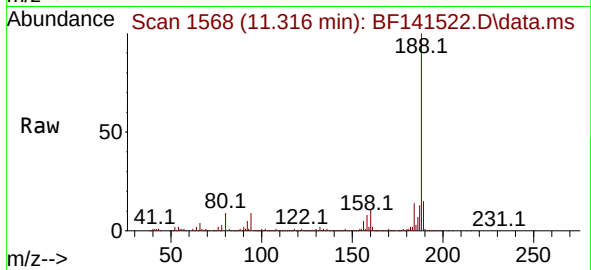
Tgt Ion: 172 Resp: 304796
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.4 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

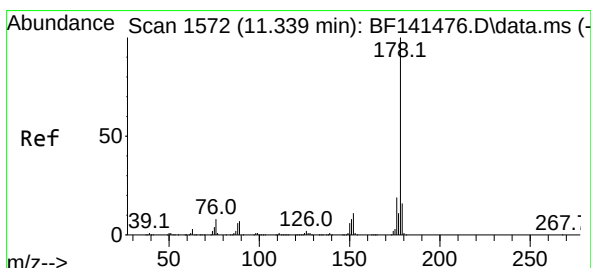
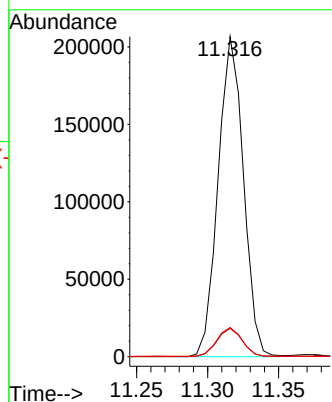
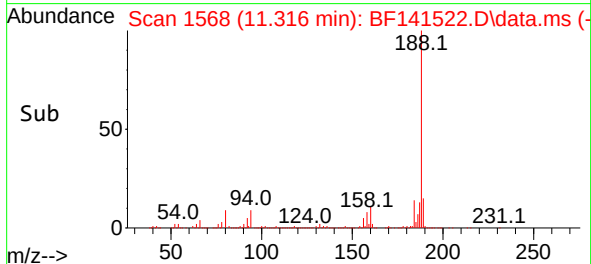
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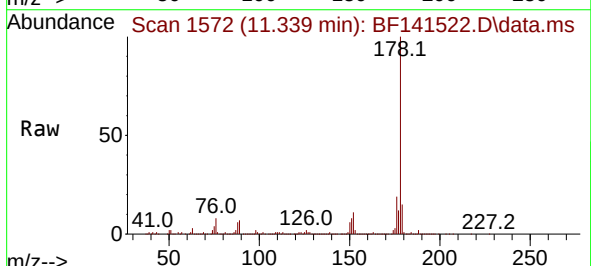
Tgt Ion:188 Resp: 255902
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.2 7.3 10.9

Manual Integrations
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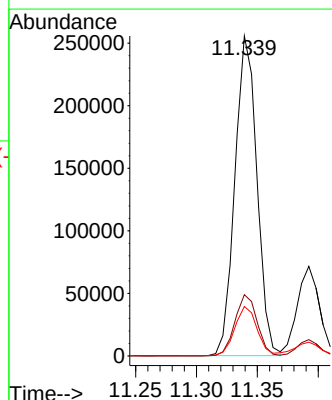
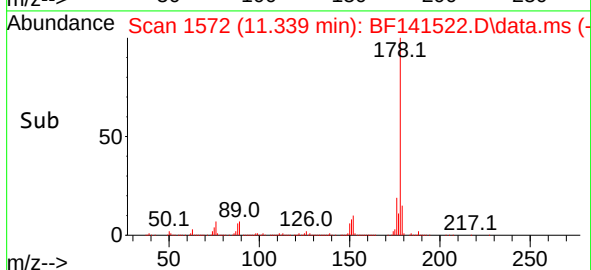
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

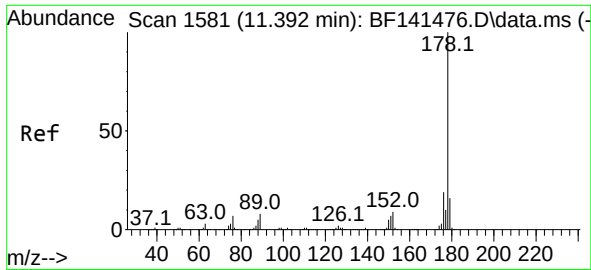


#71
Phenanthrene
Concen: 22.863 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40



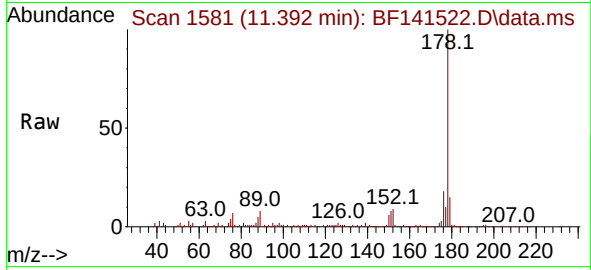
Tgt Ion:178 Resp: 322056
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 6.413 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40

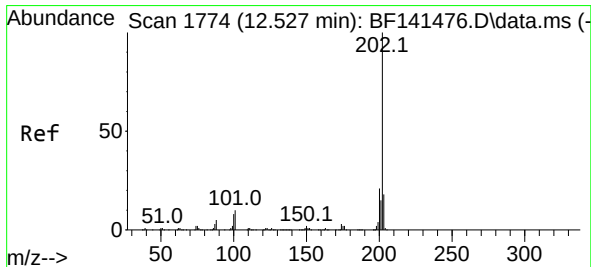
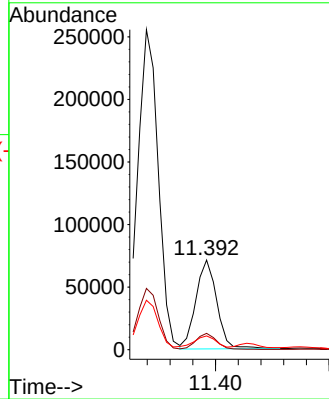
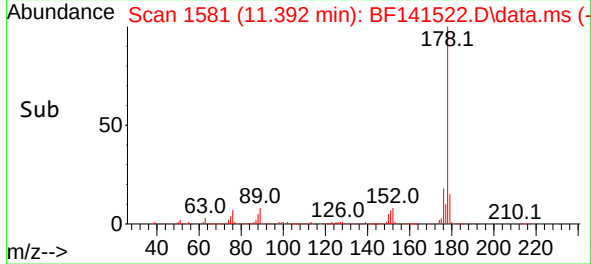
Instrument :
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Tgt Ion:178 Resp: 90802
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 15.4 12.4 18.6

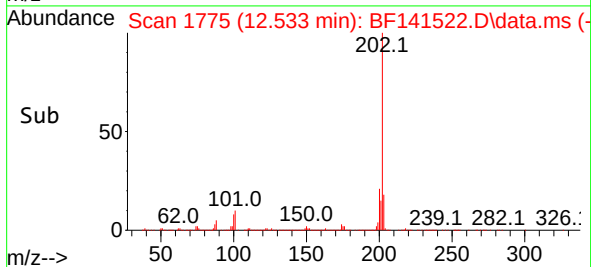
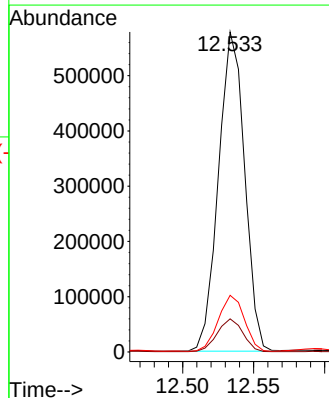
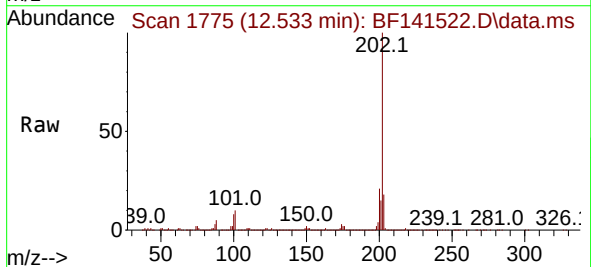
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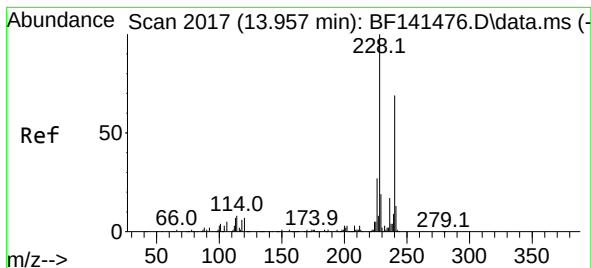
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#75
 Fluoranthene
 Concen: 49.502 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40

Tgt Ion:202 Resp: 739267
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.2
 203 17.7 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: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

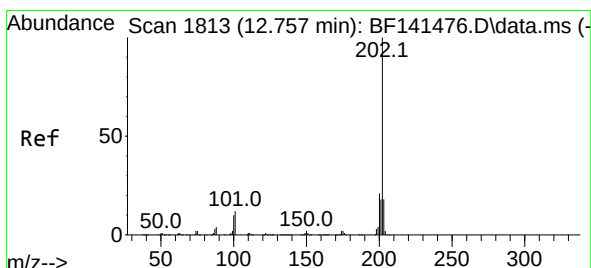
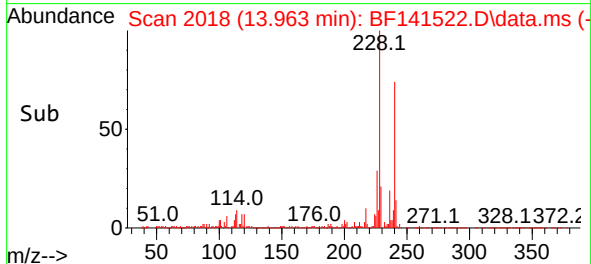
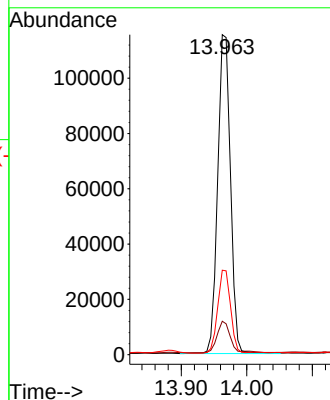
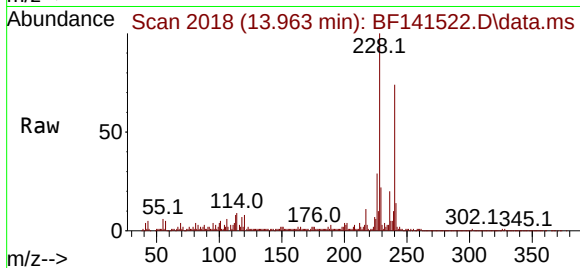
Tgt Ion:	240	Resp:	15544
Ion Ratio	Lower	Upper	
240	100		
120	10.4	8.0	12.0
236	26.4	19.8	29.8

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#78

Pyrene

Concen: 56.311 ng

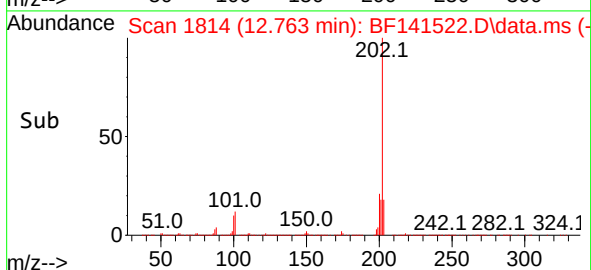
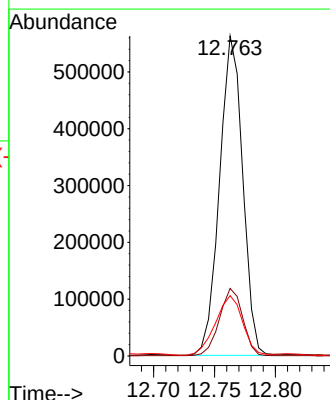
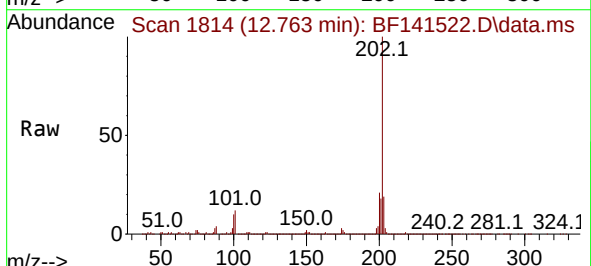
RT: 12.763 min Scan# 1814

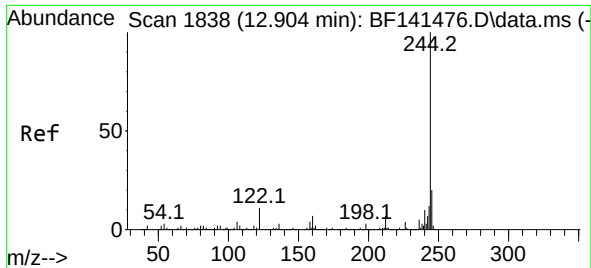
Delta R.T. 0.000 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

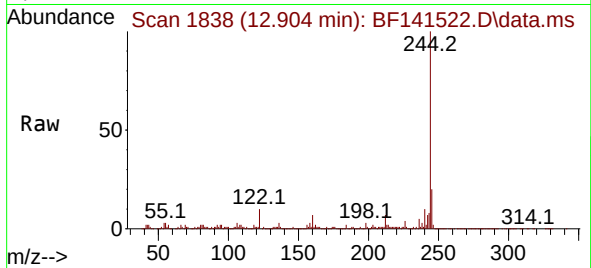
Tgt Ion:	202	Resp:	745126
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.0	25.4
203	18.9	14.3	21.5





#79
 Terphenyl-d14
 Concen: 27.481 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40

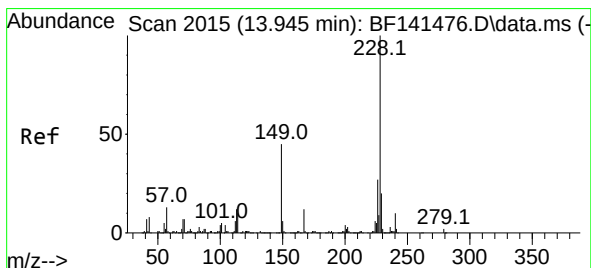
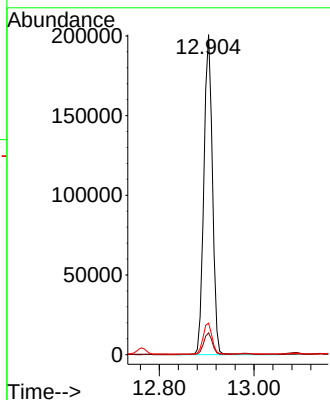
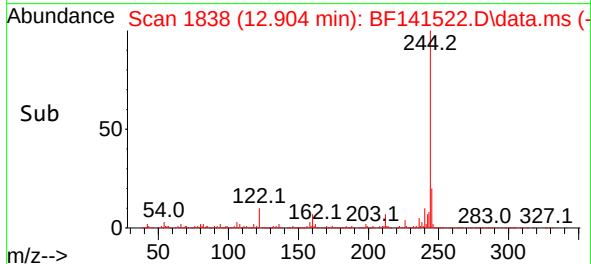
Instrument :
 BNA_F
 ClientSampleId :
 JPP-16.1-012925



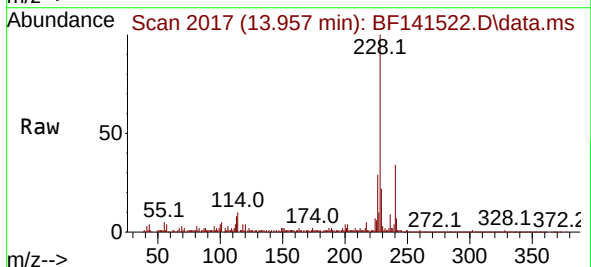
Tgt Ion:244 Resp: 25303
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.9 8.4 12.6

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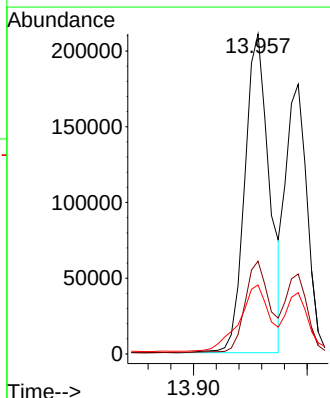
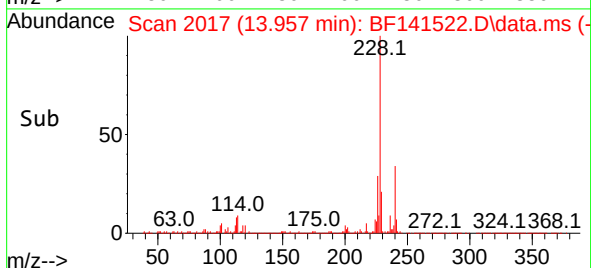
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

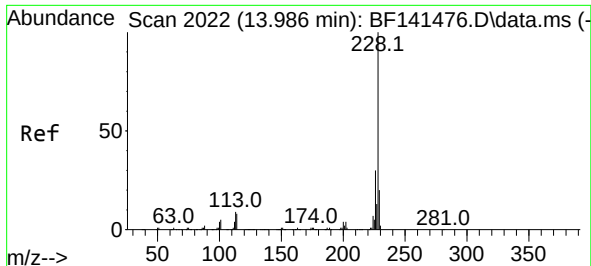


#81
 Benzo(a)anthracene
 Concen: 30.758 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF141522.D
 Acq: 07 Feb 2025 21:40



Tgt Ion:228 Resp: 317812
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.8 32.8
 229 21.6 15.8 23.6





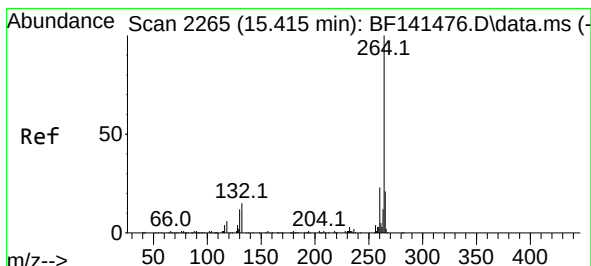
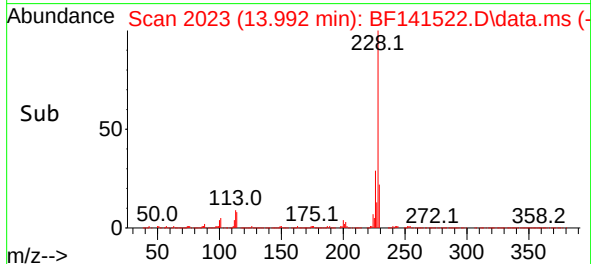
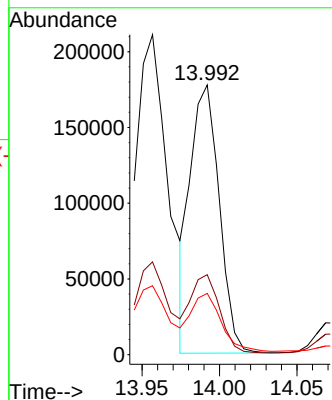
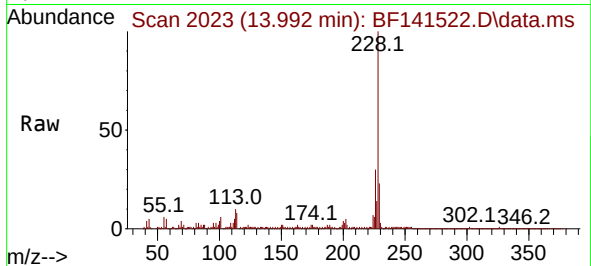
#83
Chrysene
Concen: 24.026 ng
RT: 13.992 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Instrument :
BNA_F
ClientSampleId :
JPP-16.1-012925

Tgt Ion:228 Resp: 229228
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 22.7 15.7 23.5

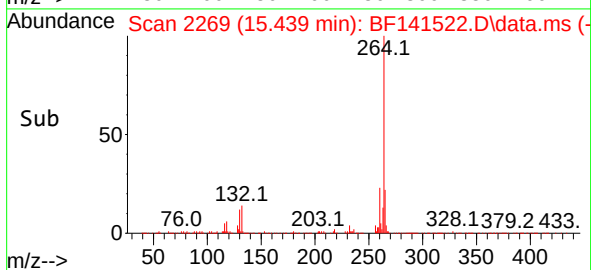
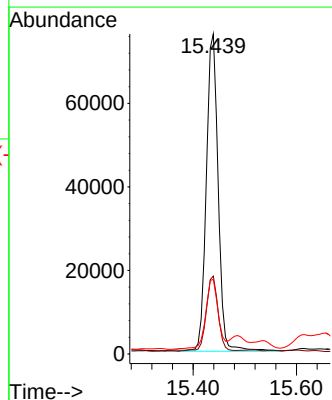
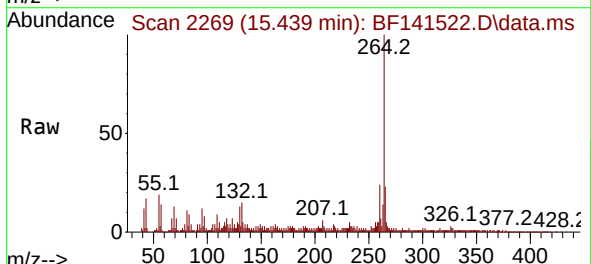
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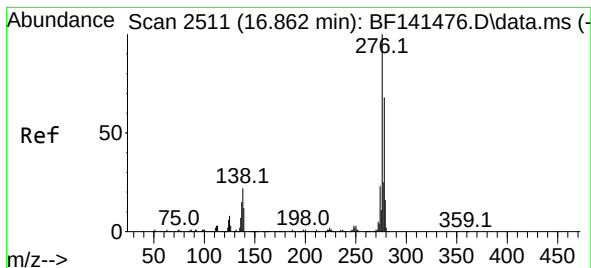
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.024 min
Lab File: BF141522.D
Acq: 07 Feb 2025 21:40

Tgt Ion:264 Resp: 120766
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 23.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.602 ng

RT: 16.886 min Scan# 2115

Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

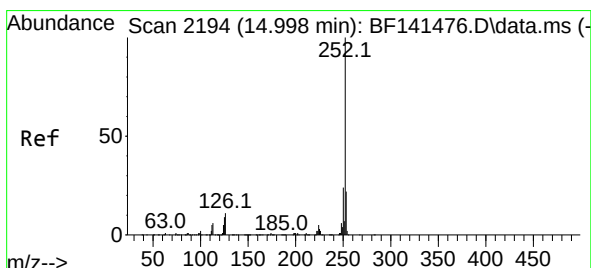
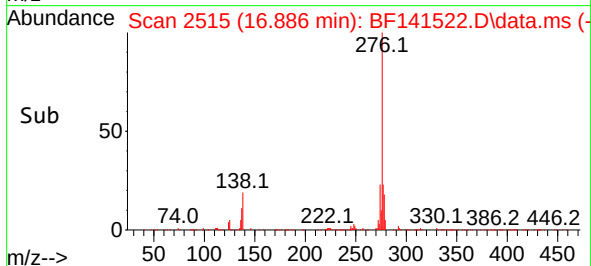
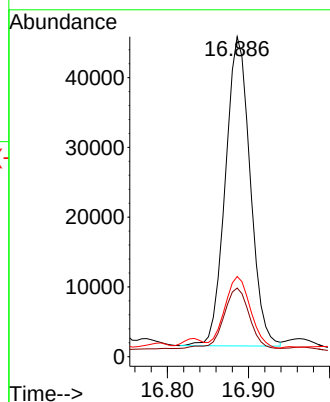
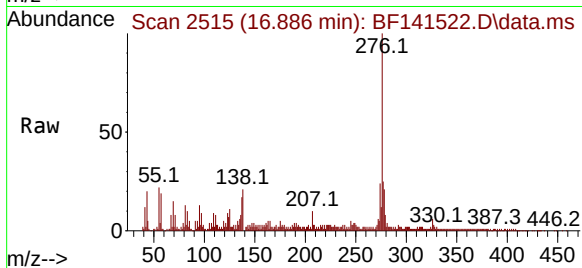
JPP-16.1-012925

Tgt Ion:276 Resp: 94040
 Ion Ratio Lower Upper
 276 100
 138 20.5 18.0 27.0
 277 24.1 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#88

Benzo(b)fluoranthene

Concen: 29.830 ng m

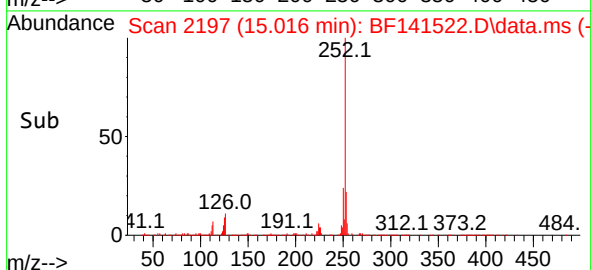
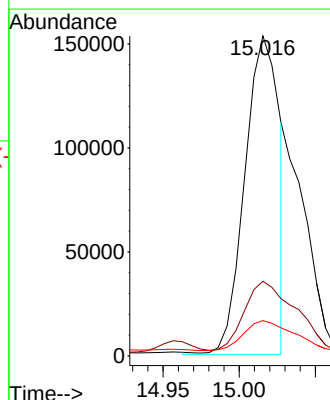
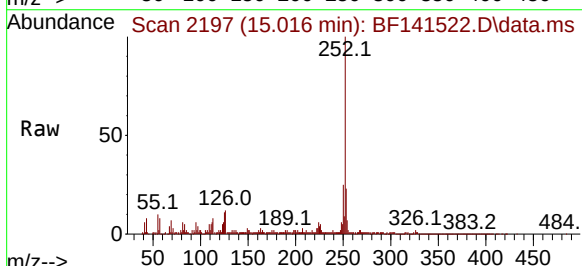
RT: 15.016 min Scan# 2197

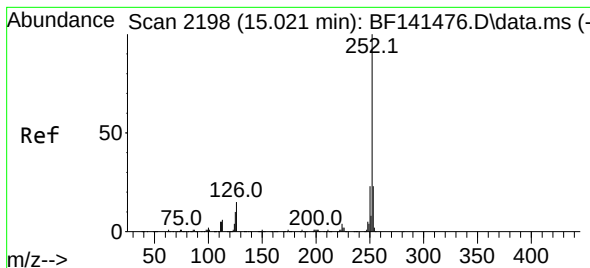
Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Tgt Ion:252 Resp: 241889
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.5 26.3
 125 11.0 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 15.126 ng m

RT: 15.027 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

Tgt Ion:252 Resp: 104739

Ion Ratio Lower Upper

252 100

253 24.6 18.0 27.0

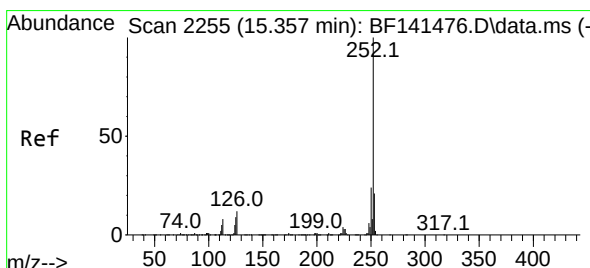
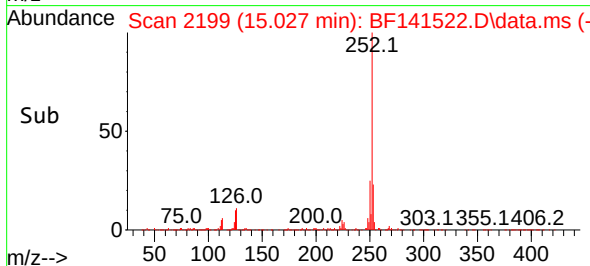
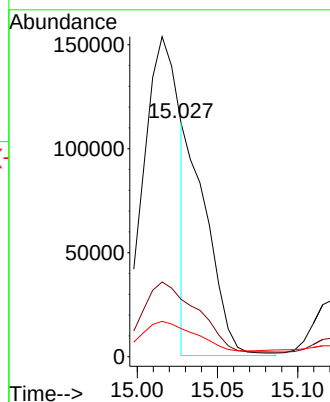
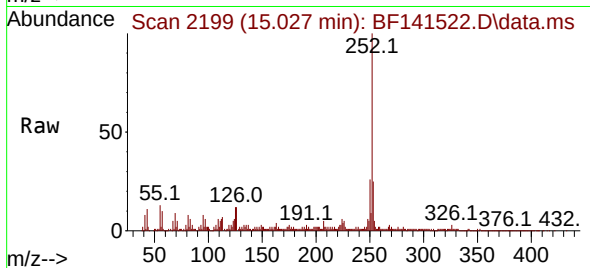
125 12.0 7.4 11.0

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#90

Benzo(a)pyrene

Concen: 29.071 ng

RT: 15.374 min Scan# 2258

Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

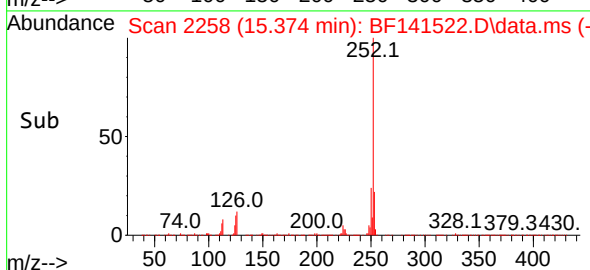
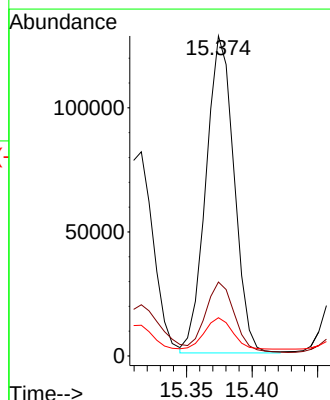
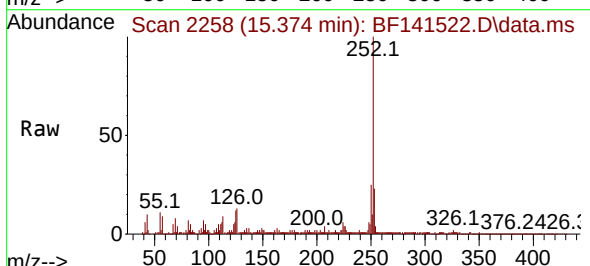
Tgt Ion:252 Resp: 190748

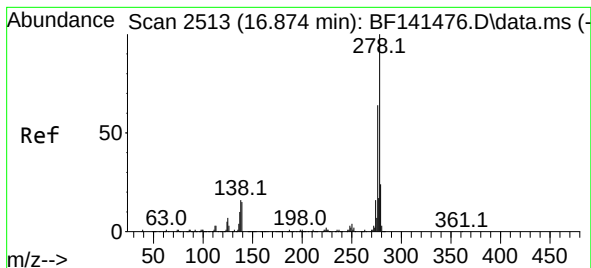
Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 12.0 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 3.838 ng

RT: 16.892 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Instrument :

BNA_F

ClientSampleId :

JPP-16.1-012925

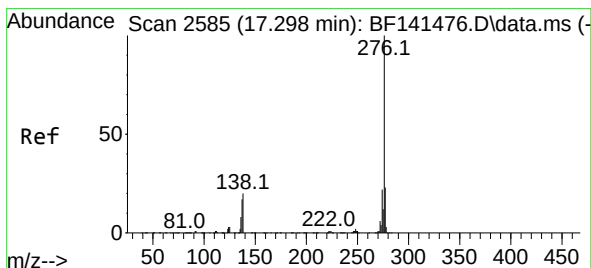
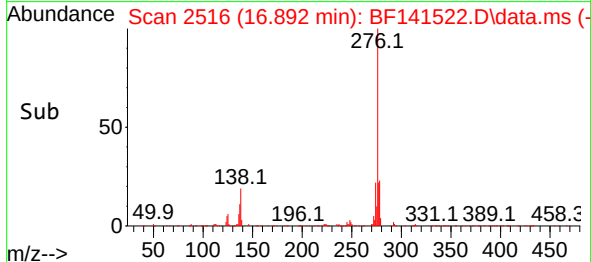
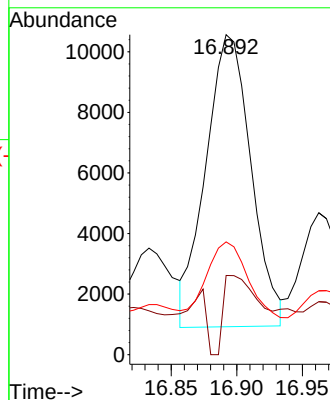
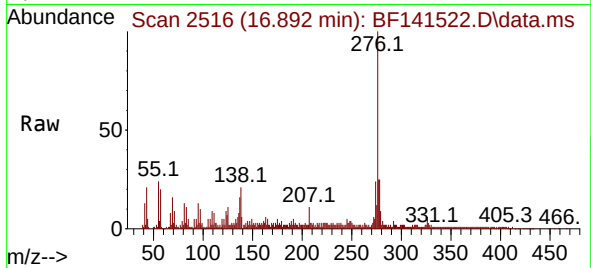
Tgt Ion:	278	Resp:	2320
Ion Ratio	Lower	Upper	
278	100		
139	24.7	11.8	17.6
279	35.2	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 15.106 ng

RT: 17.327 min Scan# 2590

Delta R.T. 0.012 min

Lab File: BF141522.D

Acq: 07 Feb 2025 21:40

Tgt Ion:	276	Resp:	95582
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.6	28.0
138	19.4	15.9	23.9

