

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141391.D
 Acq On : 04 Feb 2025 01:16
 Operator : RC/JU
 Sample : Q1216-19 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.2-012825

Quant Time: Feb 04 01:56:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	83992	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	310163	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	143586	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	203961	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	171871	20.000	ng	-0.02
86) Perylene-d12	15.404	264	127914	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	223170	40.791	ng	0.00
7) Phenol-d6	6.434	99	274019	39.371	ng	0.00
23) Nitrobenzene-d5	7.351	82	177309	30.136	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	38087	28.934	ng	-0.02
45) 2-Fluorobiphenyl	9.151	172	309947	33.225	ng	-0.01
79) Terphenyl-d14	12.904	244	251554	22.572	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	265295	24.197	ng	99
72) Anthracene	11.392	178	64936	6.045	ng	98
75) Fluoranthene	12.527	202	429491	39.674	ng	99
78) Pyrene	12.757	202	426236	25.836	ng	98
81) Benzo(a)anthracene	13.945	228	198124	16.705	ng	97
83) Chrysene	13.980	228	168700	15.521	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	58577	7.095	ng	94
88) Benzo(b)fluoranthene	14.986	252	171008m	21.253	ng	
89) Benzo(k)fluoranthene	15.004	252	51914m	7.283	ng	
90) Benzo(a)pyrene	15.345	252	119381	17.558	ng	98
91) Dibenzo(a,h)anthracene	16.851	278	14802	2.228	ng	# 87
92) Benzo(g,h,i)perylene	17.274	276	57534	8.330	ng	98

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

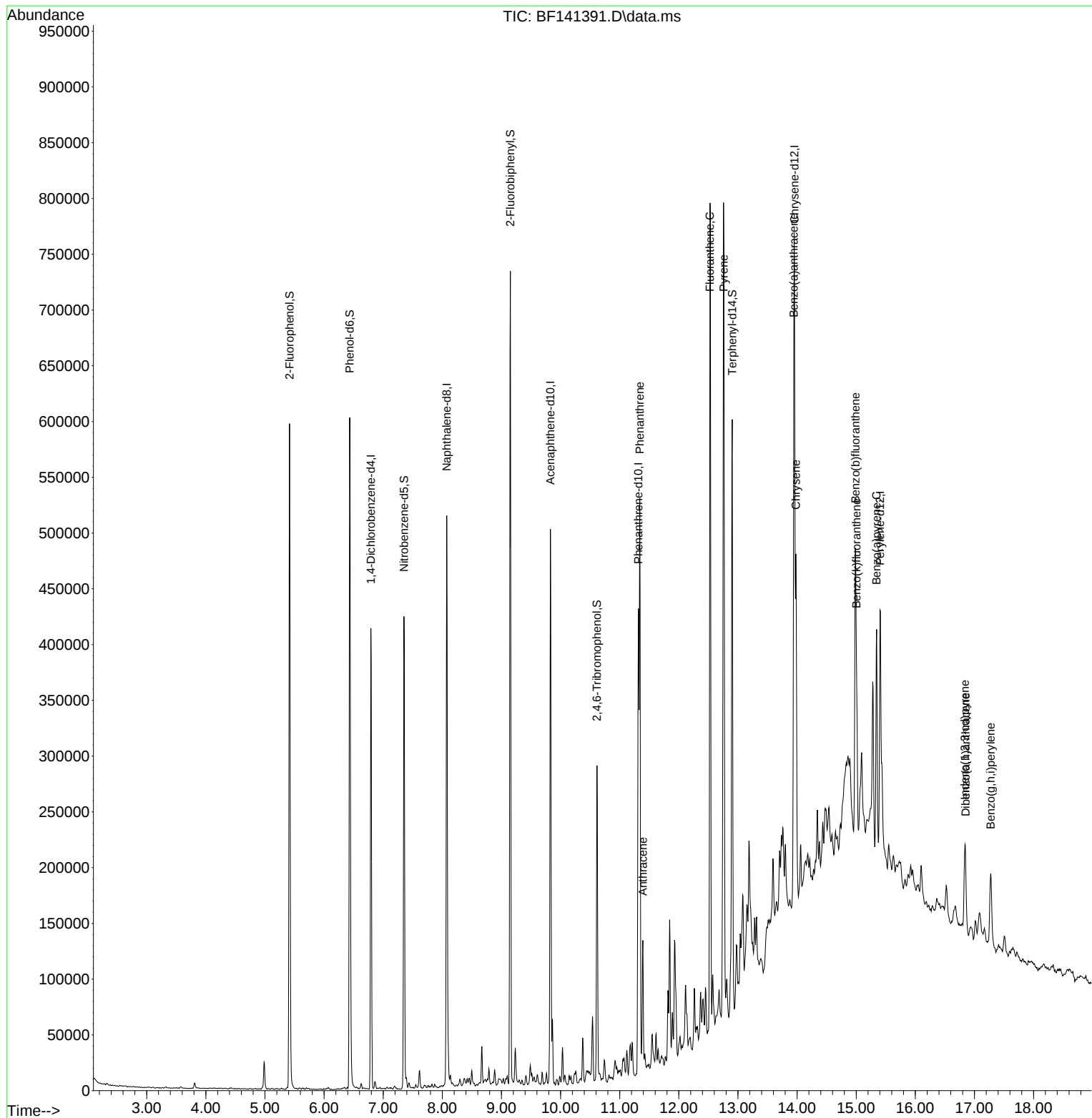
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141391.D
Acq On : 04 Feb 2025 01:16
Operator : RC/JU
Sample : Q1216-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

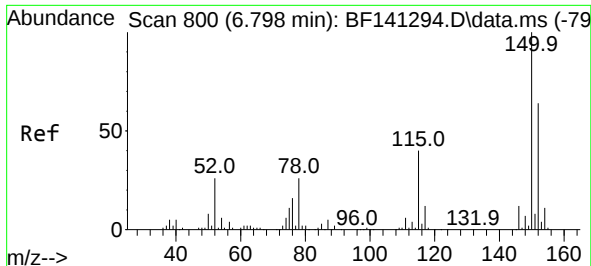
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

Quant Time: Feb 04 01:56:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
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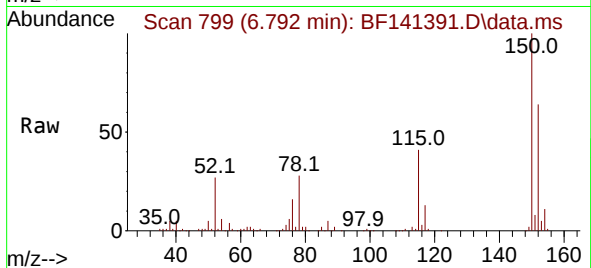
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

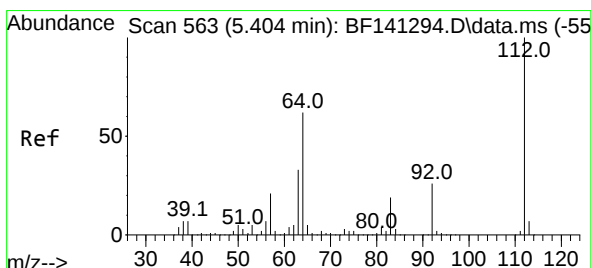
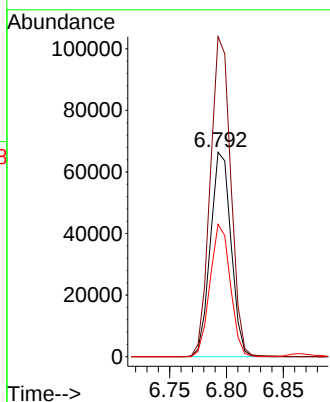
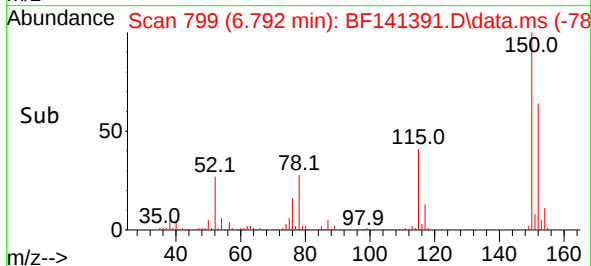
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825



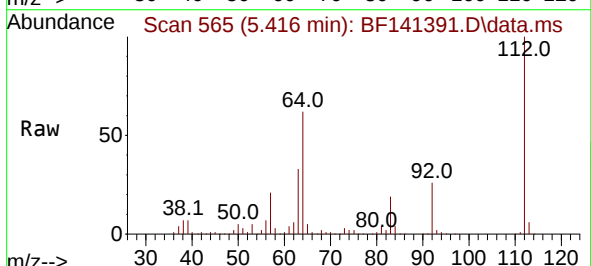
Tgt Ion:152 Resp: 83992
Ion Ratio Lower Upper
152 100
150 156.5 125.9 188.9
115 64.7 49.7 74.5

Manual Integrations
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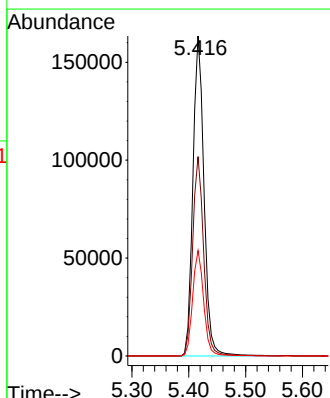
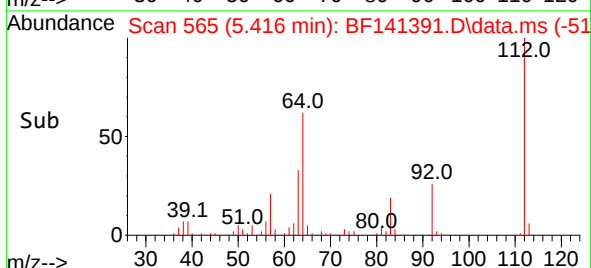
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

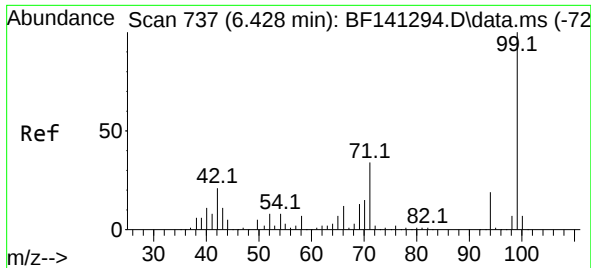


#5
2-Fluorophenol
Concen: 40.791 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16



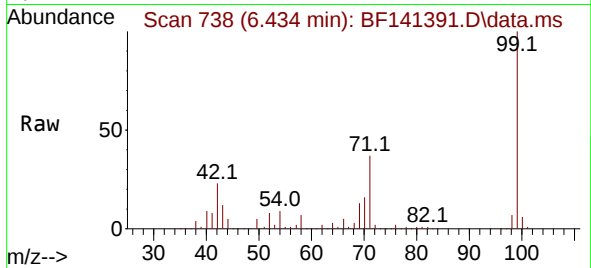
Tgt Ion:112 Resp: 223170
Ion Ratio Lower Upper
112 100
64 62.3 49.8 74.8
63 33.0 26.1 39.1





#7
Phenol-d6
Concen: 39.371 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

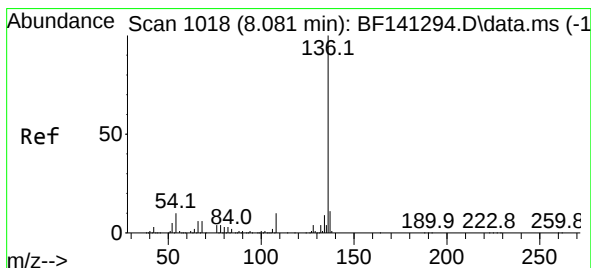
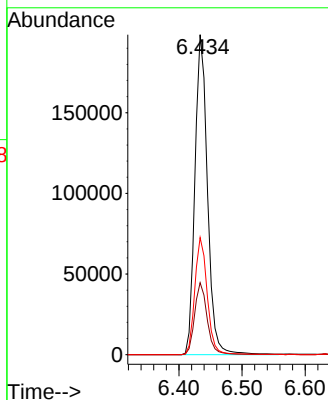
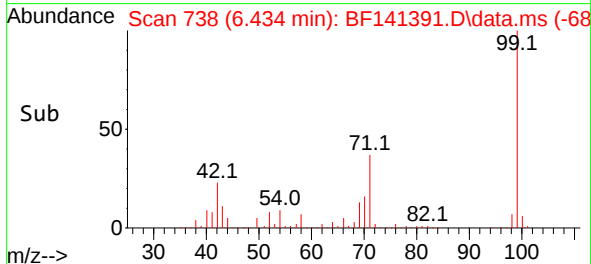
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825



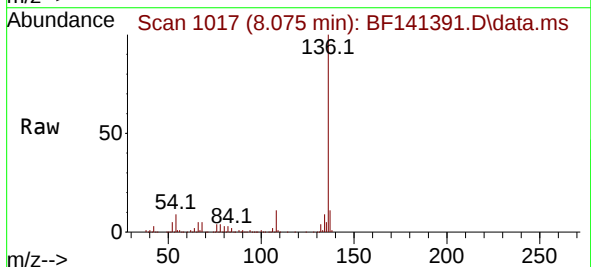
Tgt Ion: 99 Resp: 274019
Ion Ratio Lower Upper
99 100
42 22.5 17.1 25.7
71 36.6 26.9 40.3

Manual Integrations
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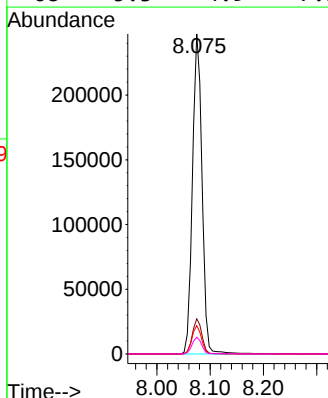
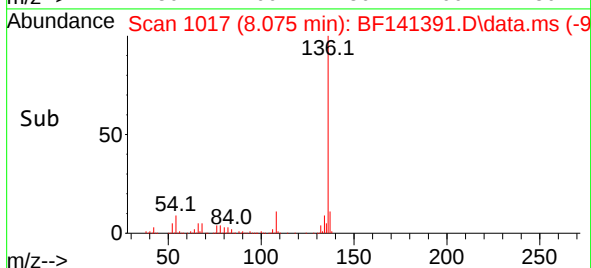
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16



Tgt Ion:136 Resp: 310163
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.9 7.8 11.8
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 30.136 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

Tgt Ion: 82 Resp: 177309

Ion Ratio Lower Upper

82 100

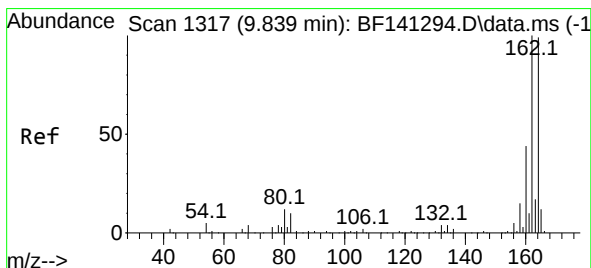
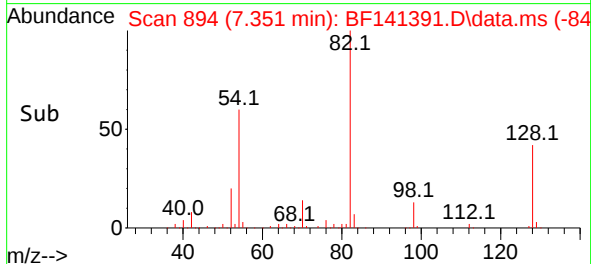
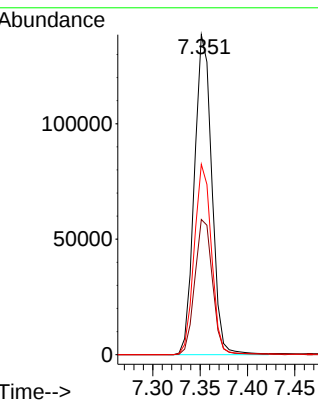
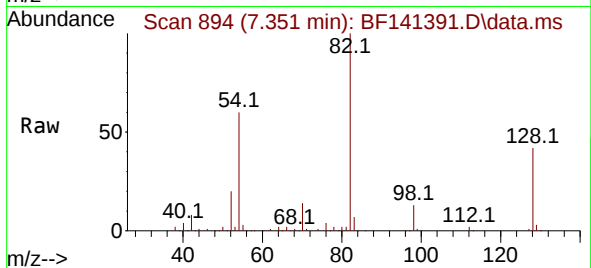
128 42.3 35.7 53.5

54 59.5 47.1 70.7

Manual Integrations

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Supervised By :mohammad ahmed 02/06/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.012 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

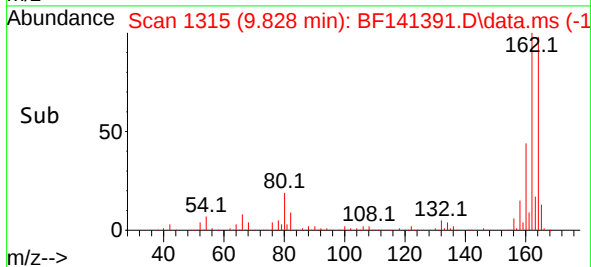
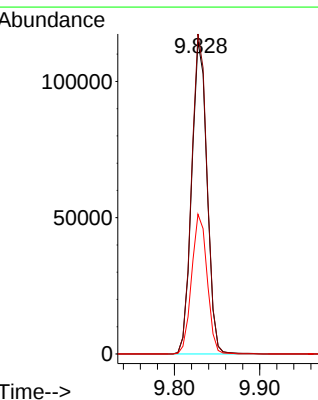
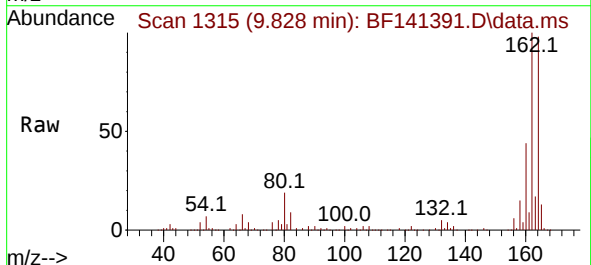
Tgt Ion:164 Resp: 143586

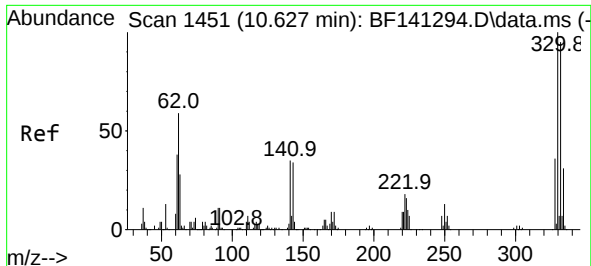
Ion Ratio Lower Upper

164 100

162 102.4 80.6 121.0

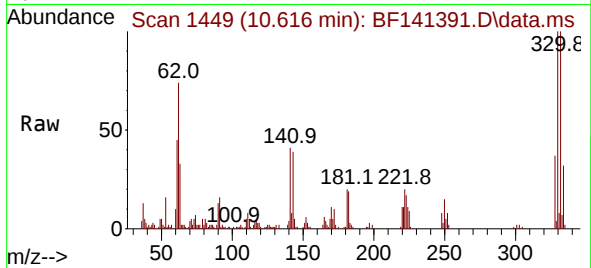
160 44.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 28.934 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

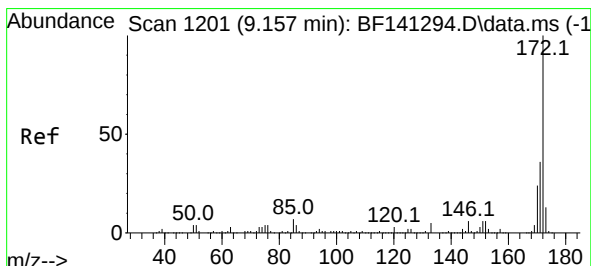
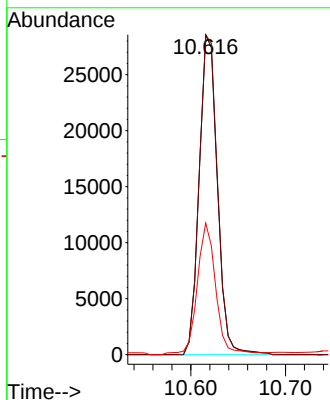
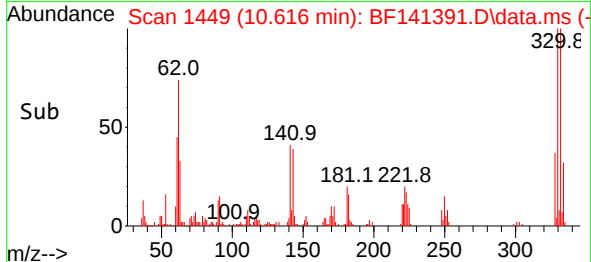
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825



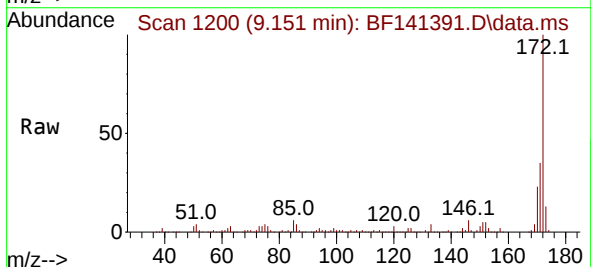
Tgt Ion: 330 Resp: 3808
Ion Ratio Lower Upper
330 100
332 100.8 76.1 114.1
141 42.0 28.8 43.2

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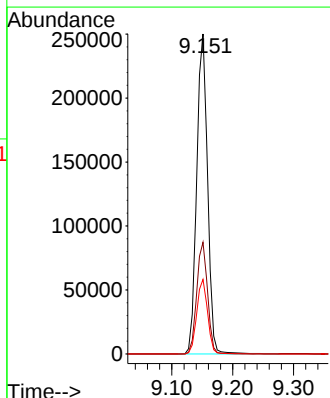
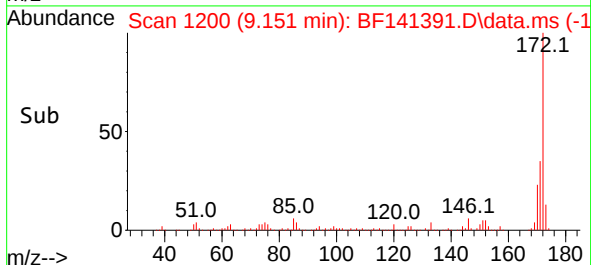
Reviewed By : Jagrut Upadhyay 02/04/2025
Supervised By : mohammad ahmed 02/06/2025

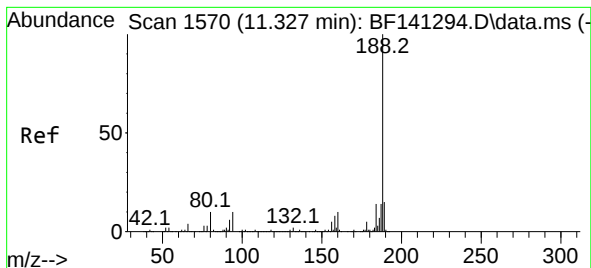


#45
2-Fluorobiphenyl
Concen: 33.225 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16



Tgt Ion: 172 Resp: 309947
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.3 19.0 28.6





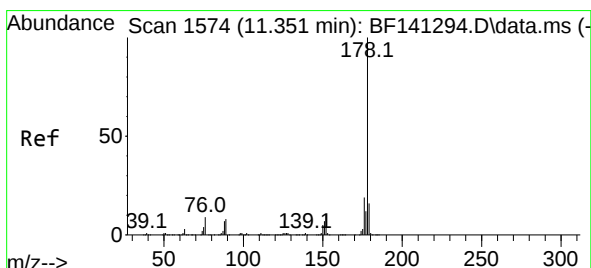
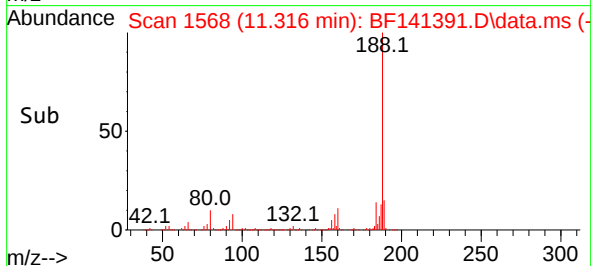
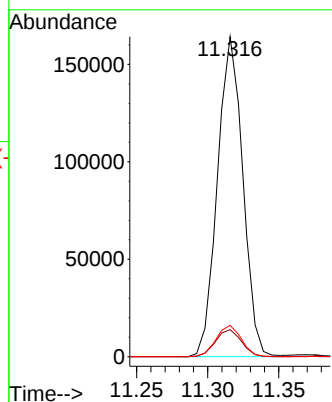
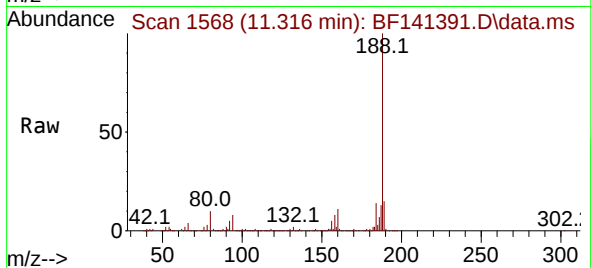
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825

Tgt Ion:188 Resp: 20396
Ion Ratio Lower Upper
188 100
94 8.5 7.8 11.6
80 9.8 8.2 12.4

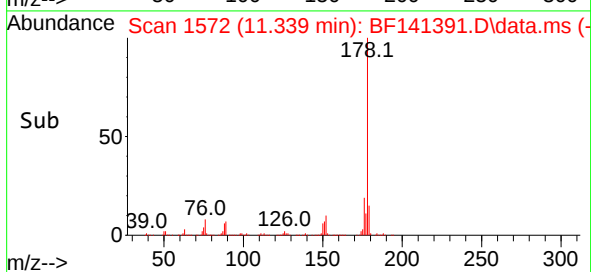
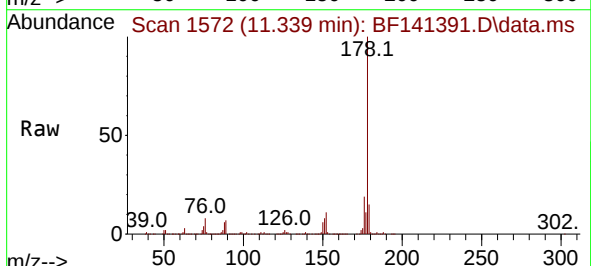
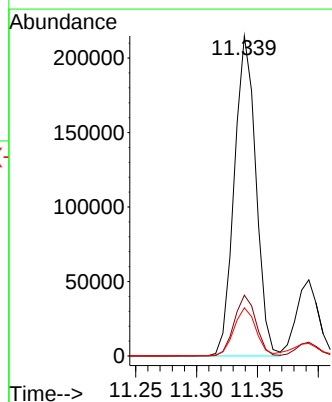
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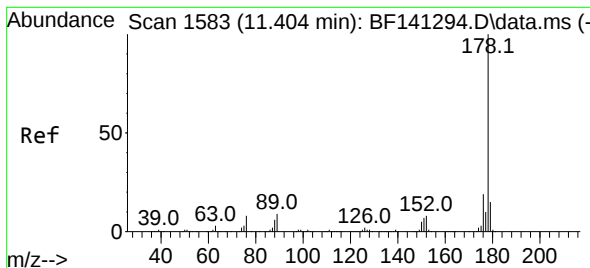
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#71
Phenanthrene
Concen: 24.197 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:178 Resp: 265295
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.1 12.5 18.7





#72

Anthracene

Concen: 6.045 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

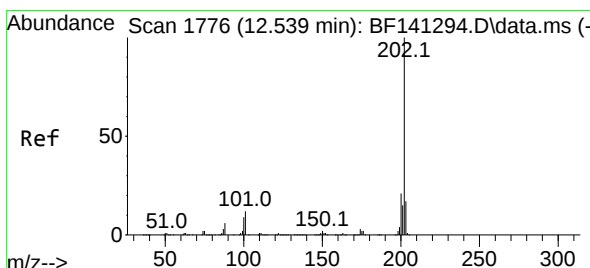
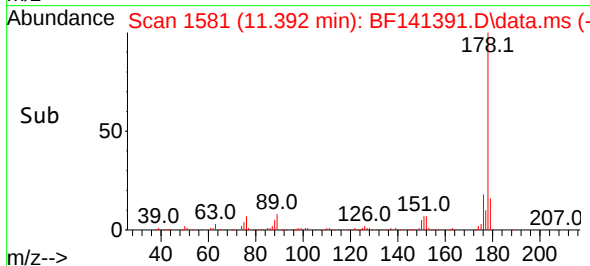
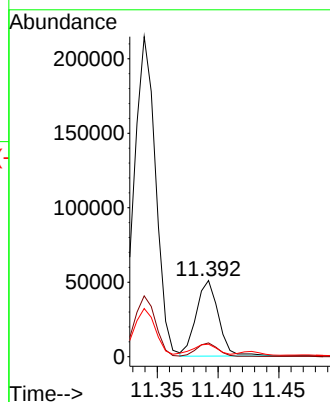
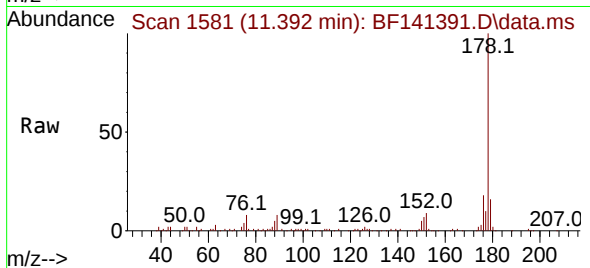
Tgt Ion:178 Resp: 64930

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.6
179	16.4	12.3	18.5

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#75

Fluoranthene

Concen: 39.674 ng

RT: 12.527 min Scan# 1774

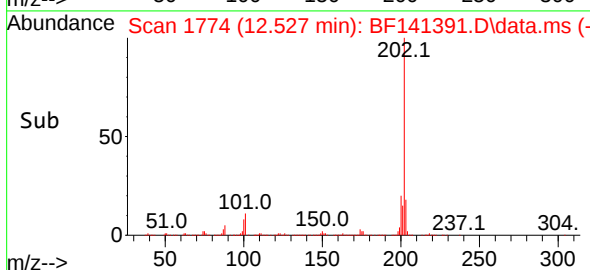
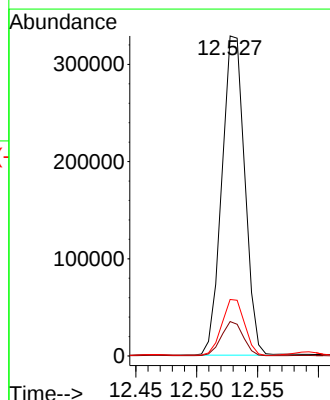
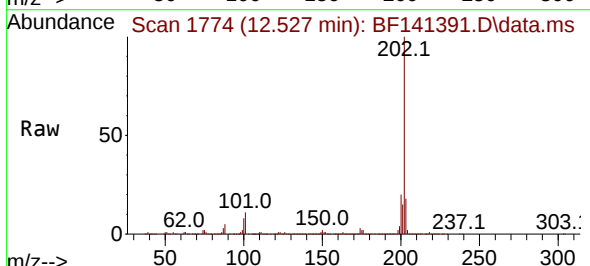
Delta R.T. -0.012 min

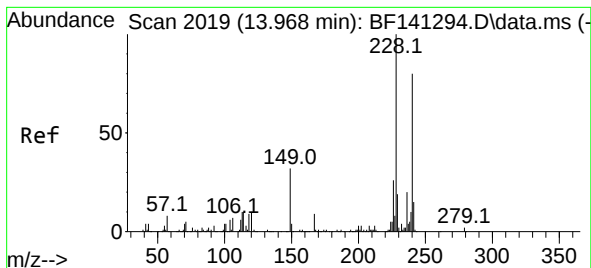
Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Tgt Ion:202 Resp: 429491

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.7
203	17.7	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.018 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

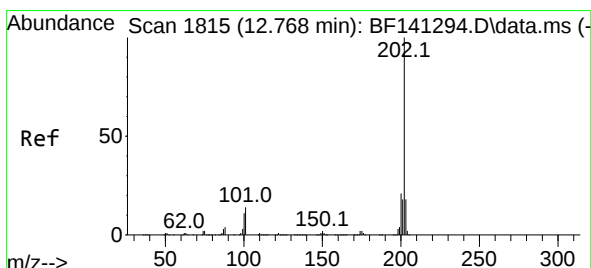
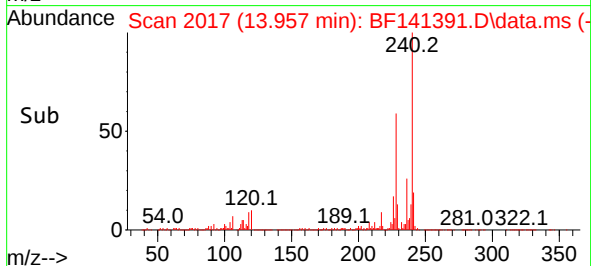
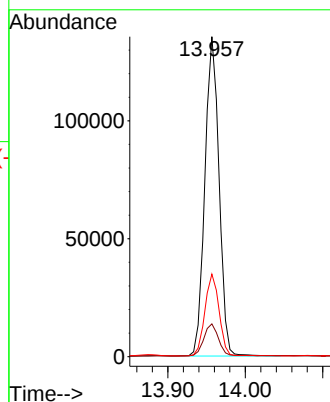
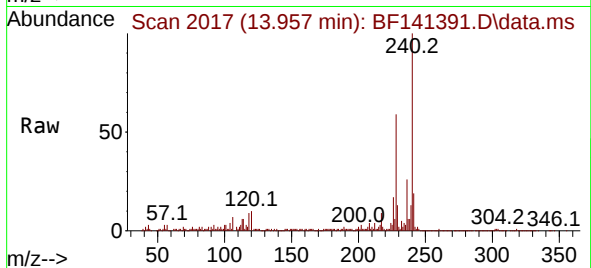
Tgt Ion:240 Resp: 17187

Ion	Ratio	Lower	Upper
240	100		
120	10.3	10.0	15.0
236	25.8	19.7	29.5

Manual Integrations

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#78

Pyrene

Concen: 25.836 ng

RT: 12.757 min Scan# 1813

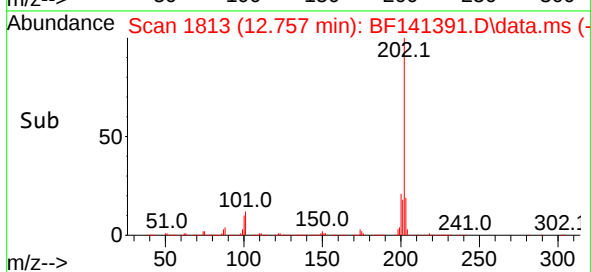
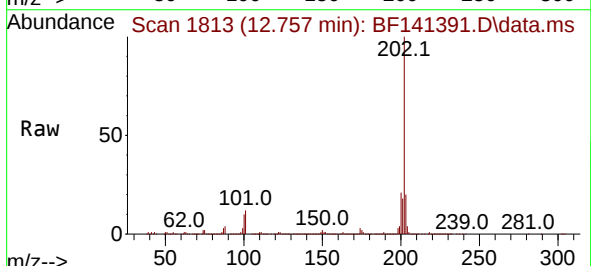
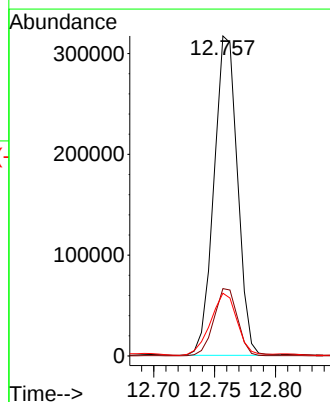
Delta R.T. -0.012 min

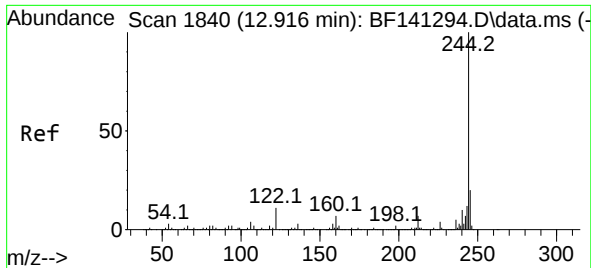
Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Tgt Ion:202 Resp: 426236

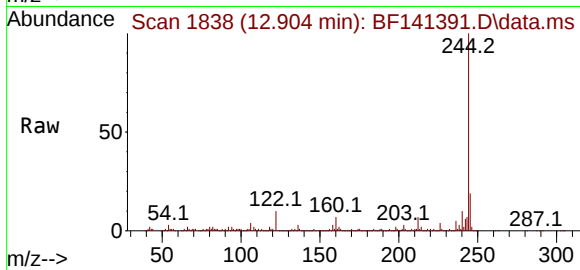
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	19.6	14.3	21.5





#79
 Terphenyl-d14
 Concen: 22.572 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141391.D
 Acq: 04 Feb 2025 01:16

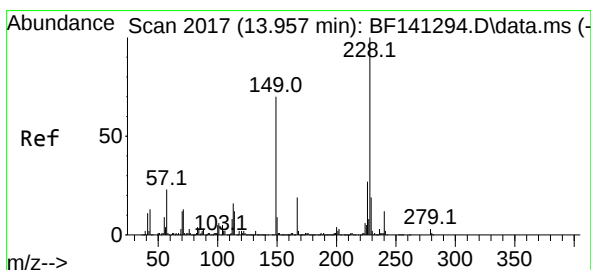
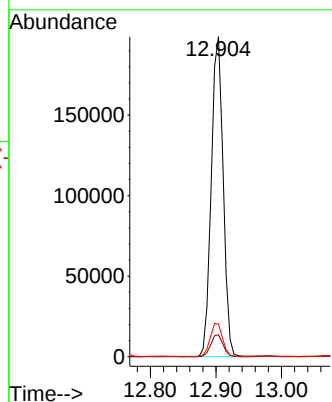
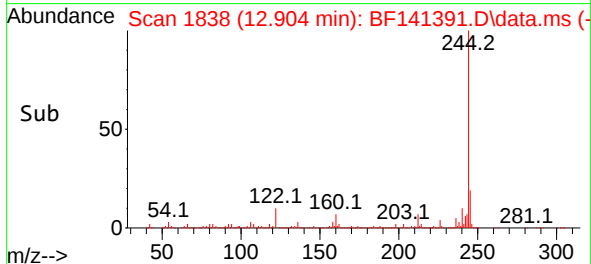
Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.2-012825



Tgt Ion:244 Resp: 251554
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.2 8.8 13.2

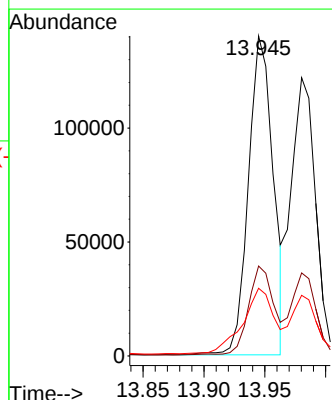
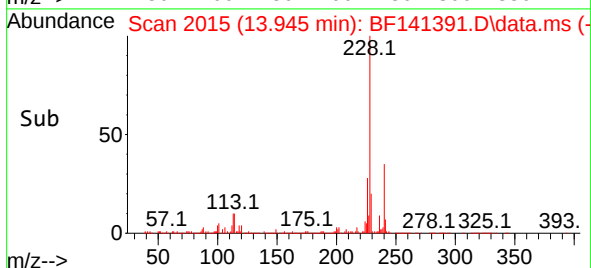
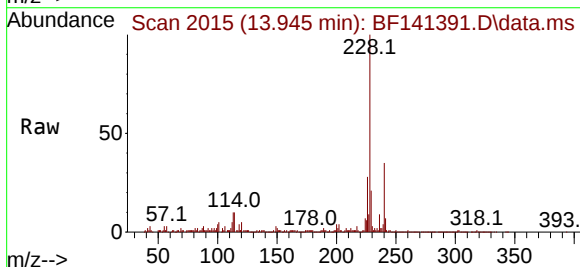
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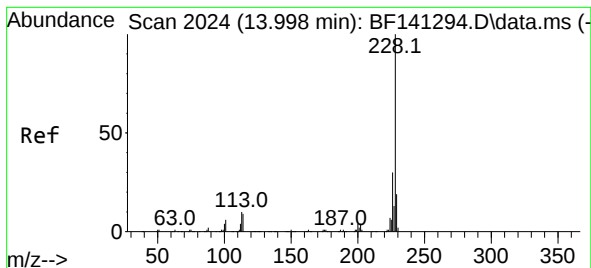
Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025



#81
 Benzo(a)anthracene
 Concen: 16.705 ng
 RT: 13.945 min Scan# 2015
 Delta R.T. -0.018 min
 Lab File: BF141391.D
 Acq: 04 Feb 2025 01:16

Tgt Ion:228 Resp: 198124
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.4 32.2
 229 21.2 15.5 23.3





#83

Chrysene

Concen: 15.521 ng

RT: 13.980 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

JPP-26.2-012825

Tgt Ion:228 Resp: 168700

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

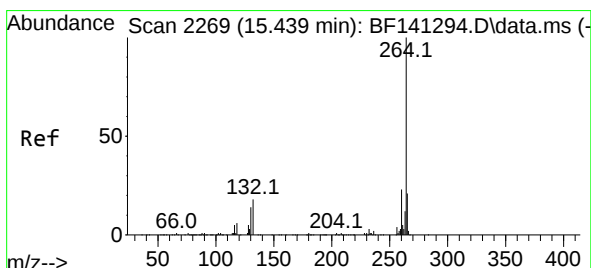
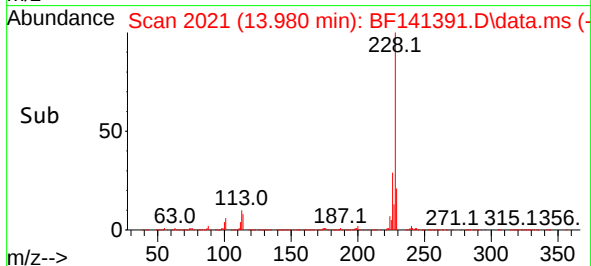
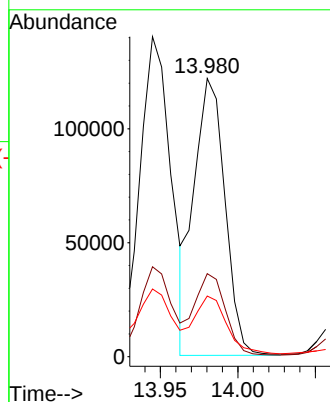
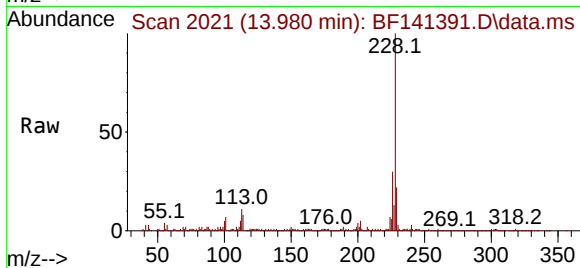
229 21.8 15.6 23.4

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Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.035 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

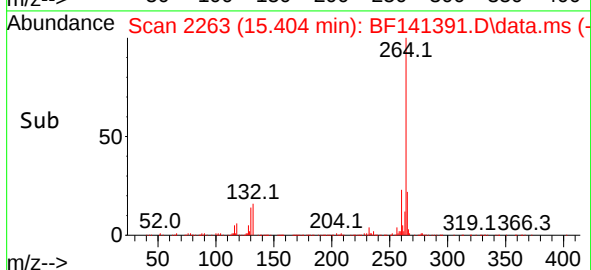
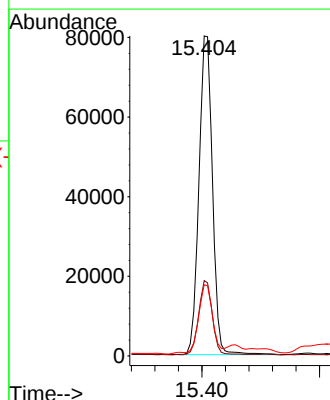
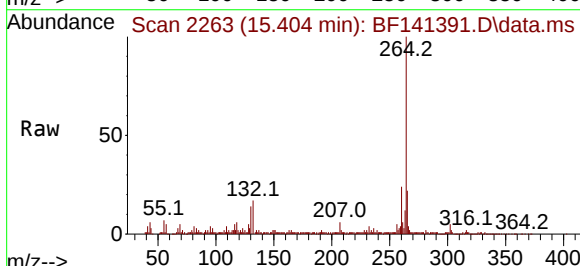
Tgt Ion:264 Resp: 127914

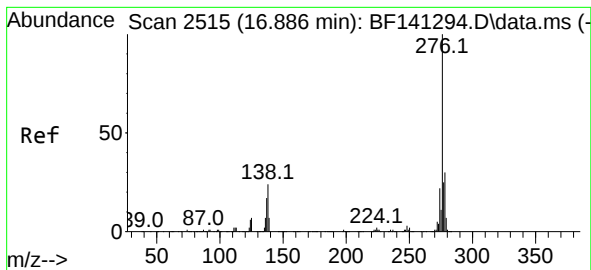
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 22.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.095 ng

RT: 16.839 min Scan# 2197

Delta R.T. -0.059 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

Instrument :

BNA_F

ClientSampleId :

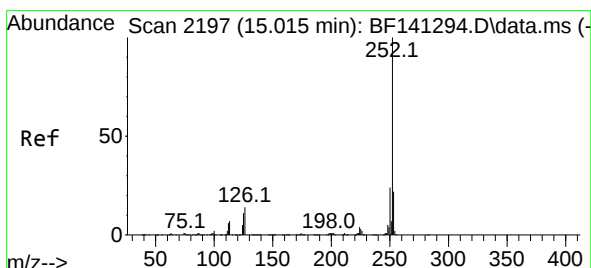
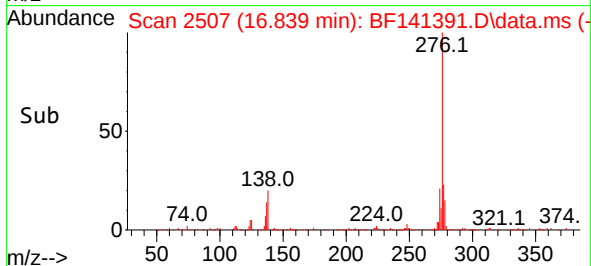
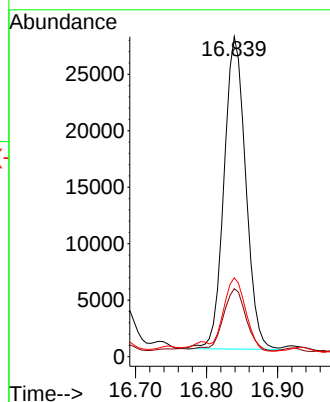
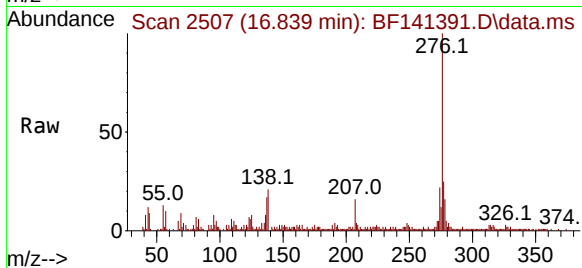
JPP-26.2-012825

Tgt Ion:	276	Resp:	5857
Ion Ratio	Lower	Upper	
276	100		
138	22.5	21.7	32.5
277	24.0	20.3	30.5

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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#88

Benzo(b)fluoranthene

Concen: 21.253 ng m

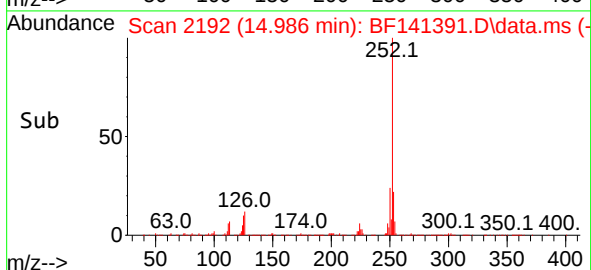
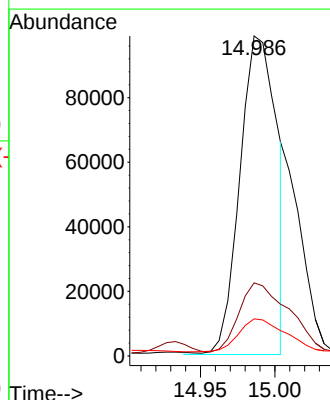
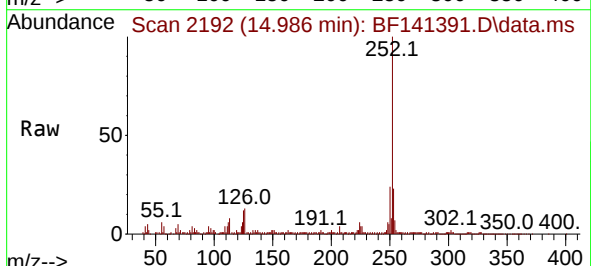
RT: 14.986 min Scan# 2192

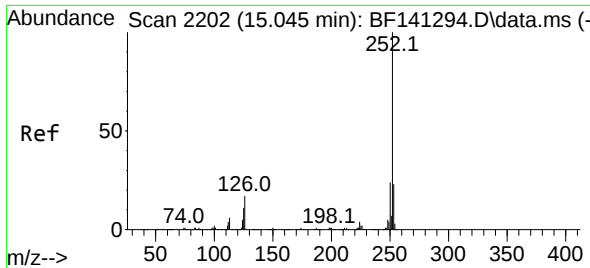
Delta R.T. -0.035 min

Lab File: BF141391.D

Acq: 04 Feb 2025 01:16

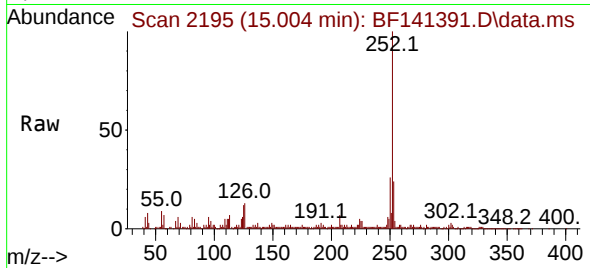
Tgt Ion:	252	Resp:	171008
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	11.6	8.6	12.8





#89
Benzo(k)fluoranthene
Concen: 7.283 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.047 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

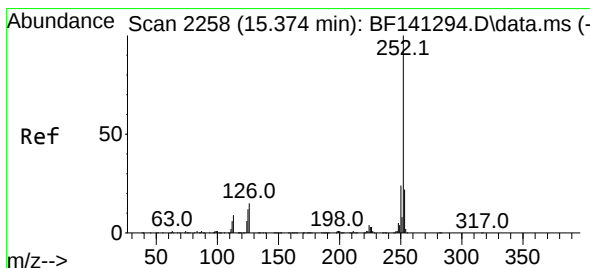
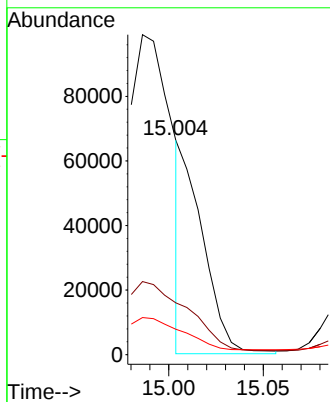
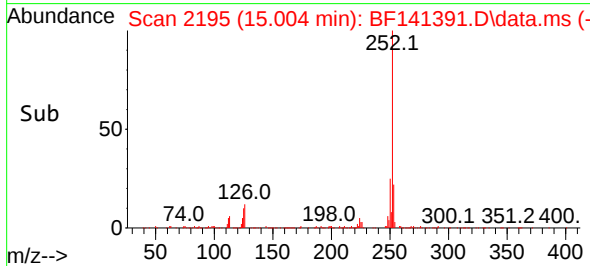
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825



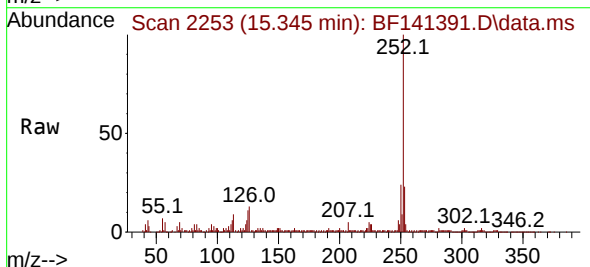
Tgt Ion:252 Resp: 51914
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 11.9 8.4 12.6

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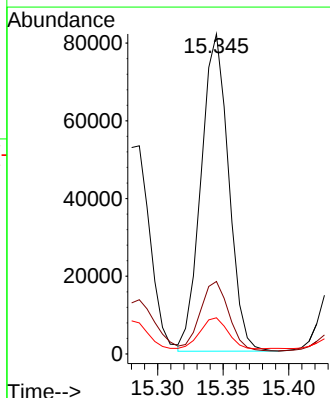
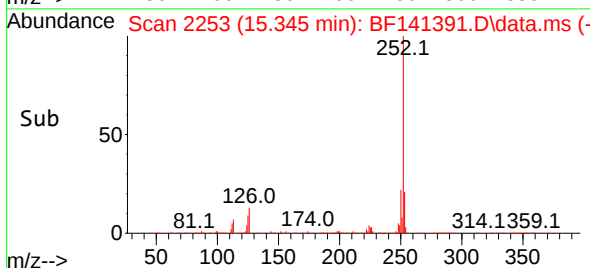
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

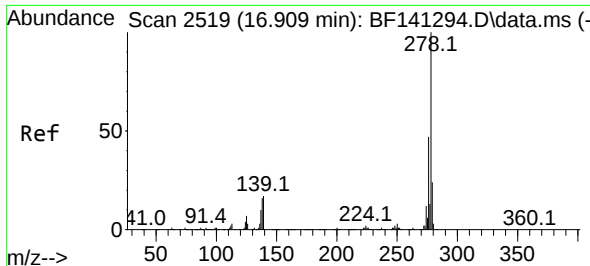


#90
Benzo(a)pyrene
Concen: 17.558 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.035 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16



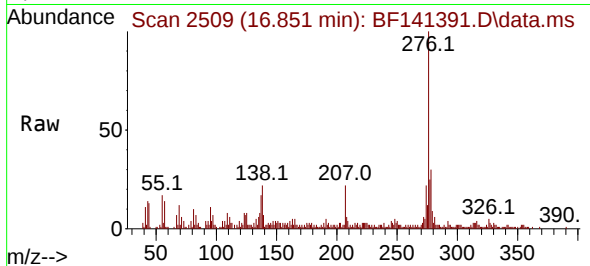
Tgt Ion:252 Resp: 119381
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 11.3 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 2.228 ng
RT: 16.851 min Scan# 21
Delta R.T. -0.071 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

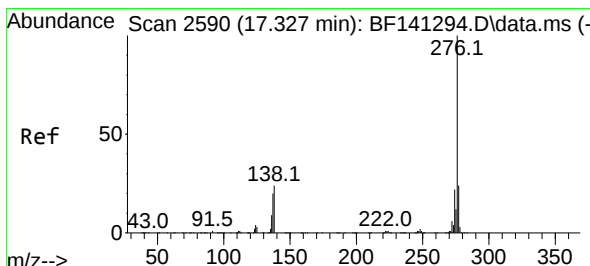
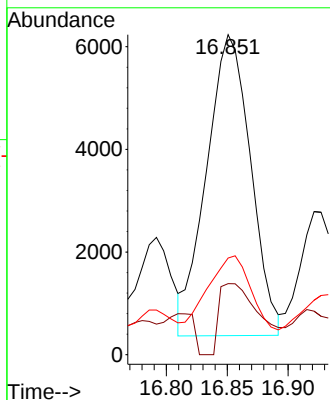
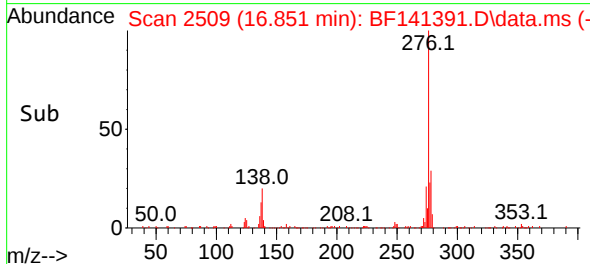
Instrument :
BNA_F
ClientSampleId :
JPP-26.2-012825



Tgt Ion:278 Resp: 1480
Ion Ratio Lower Upper
278 100
139 22.2 13.9 20.9
279 30.2 18.8 28.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 8.330 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.071 min
Lab File: BF141391.D
Acq: 04 Feb 2025 01:16

Tgt Ion:276 Resp: 57534
Ion Ratio Lower Upper
276 100
277 26.0 19.2 28.8
138 23.4 19.0 28.4

