

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141390.D
 Acq On : 04 Feb 2025 00:49
 Operator : RC/JU
 Sample : Q1232-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.2-012925

Manual Integrations
 APPROVED

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

Quant Time: Feb 04 01:56:17 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	82605	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	314257	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	148040	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	202244	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	154541	20.000	ng	0.00
86) Perylene-d12	15.416	264	126974	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	469172	87.195	ng	0.00
7) Phenol-d6	6.434	99	569936	83.263	ng	0.00
23) Nitrobenzene-d5	7.357	82	378223	63.447	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	107156	78.955	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	600614	62.447	ng	-0.01
79) Terphenyl-d14	12.904	244	453522	45.258	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.098	128	48506	2.922	ng	100
52) Acenaphthene	9.863	154	75275	8.365	ng	99
55) Dibenzofuran	10.034	168	59589	4.947	ng	99
58) Fluorene	10.375	166	75086	8.036	ng	98
71) Phenanthrene	11.345	178	1288484	118.520	ng	100
72) Anthracene	11.392	178	321885	30.218	ng	99
73) Carbazole	11.551	167	62673	6.635	ng	96
75) Fluoranthene	12.545	202	2336800	217.694	ng	98
78) Pyrene	12.775	202	2403443	162.018	ng	98
81) Benzo(a)anthracene	13.957	228	1242060	116.470	ng	96
83) Chrysene	13.992	228	1000203	102.339	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	22451	3.415	ng	100
87) Indeno(1,2,3-cd)pyrene	16.862	276	431428	52.644	ng	# 90
88) Benzo(b)fluoranthene	15.004	252	1101098m	137.861	ng	
89) Benzo(k)fluoranthene	15.016	252	392416m	55.461	ng	
90) Benzo(a)pyrene	15.363	252	834756	123.679	ng	96
91) Dibenzo(a,h)anthracene	16.868	278	106234m	16.112	ng	
92) Benzo(g,h,i)perylene	17.298	276	437834	63.864	ng	96

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

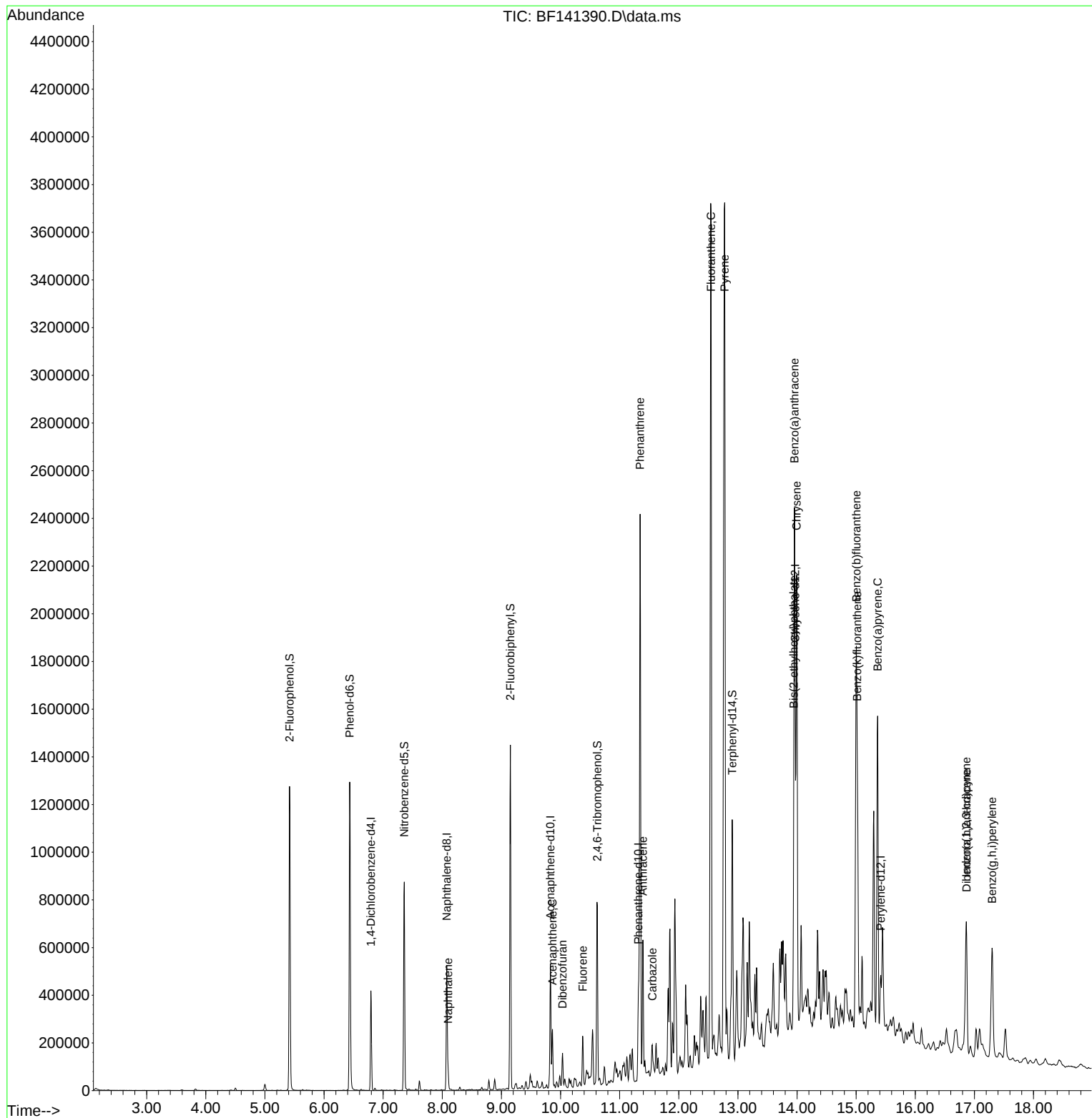
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141390.D
Acq On : 04 Feb 2025 00:49
Operator : RC/JU
Sample : Q1232-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

Quant Time: Feb 04 01:56:17 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

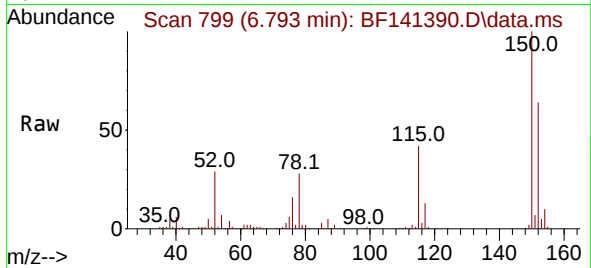
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

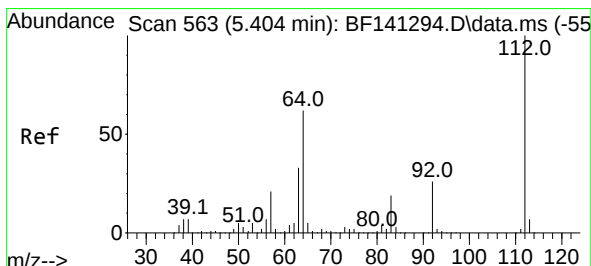
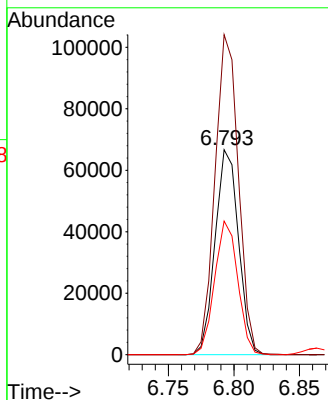
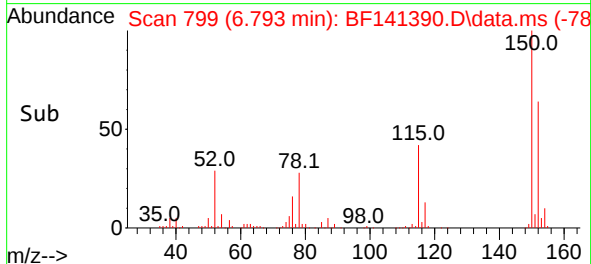
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925



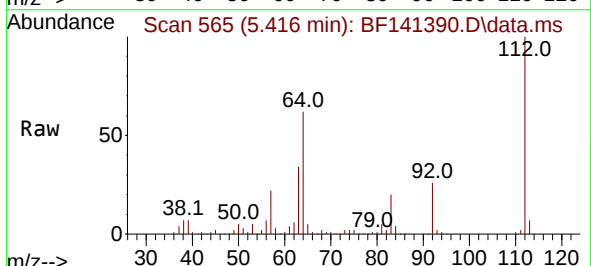
Tgt Ion:152 Resp: 8260
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 65.2 49.7 74.5

Manual Integrations
APPROVED

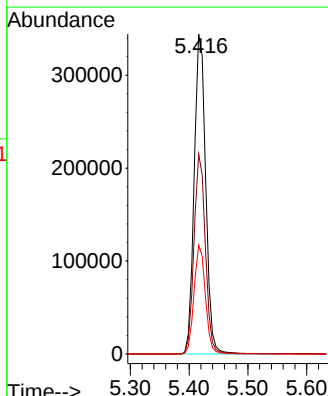
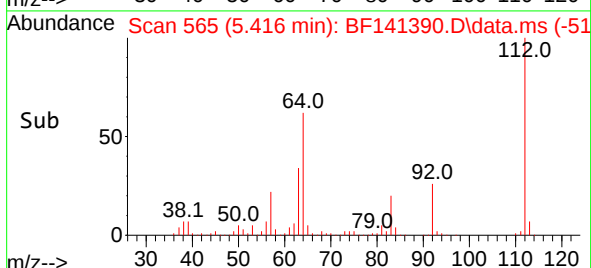
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

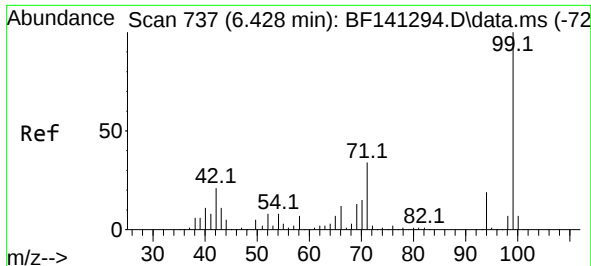


#5
2-Fluorophenol
Concen: 87.195 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49



Tgt Ion:112 Resp: 469172
Ion Ratio Lower Upper
112 100
64 62.4 49.8 74.8
63 34.0 26.1 39.1





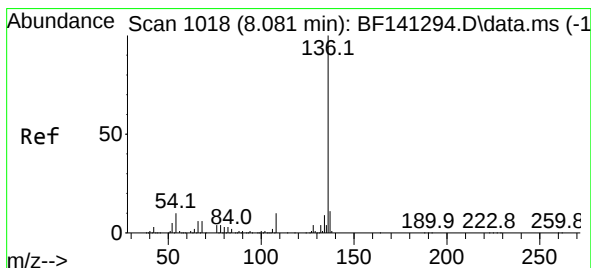
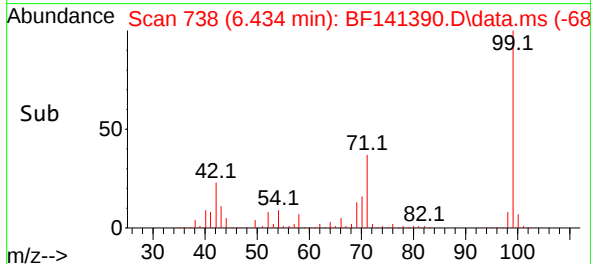
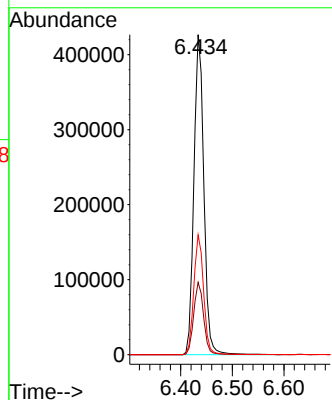
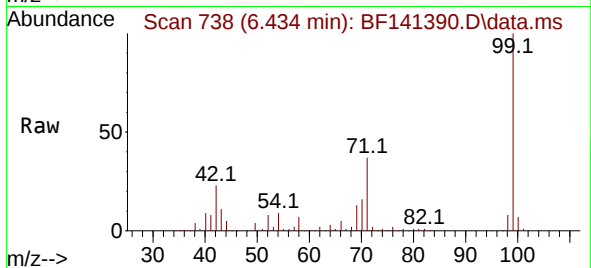
#7
Phenol-d6
Concen: 83.263 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

Tgt Ion: 99 Resp: 569930
Ion Ratio Lower Upper
99 100
42 22.6 17.1 25.7
71 37.5 26.9 40.3

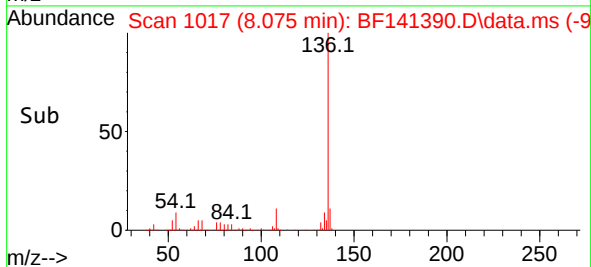
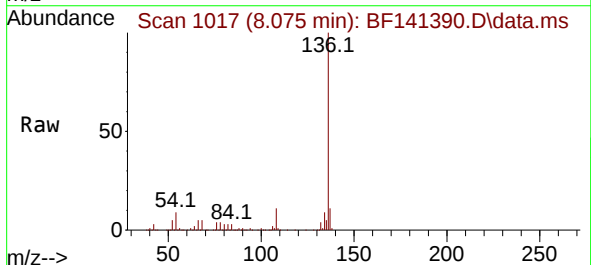
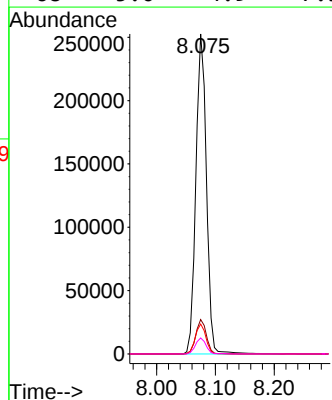
Manual Integrations
APPROVED

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: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:136 Resp: 314257
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.4 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 63.447 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

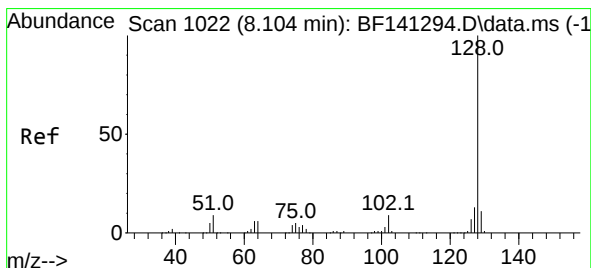
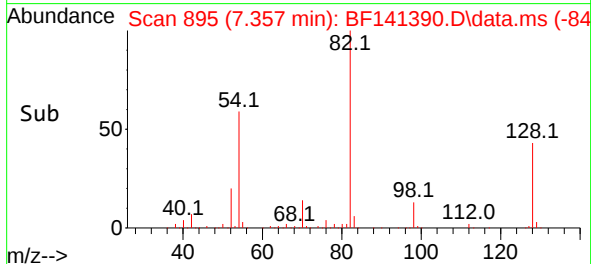
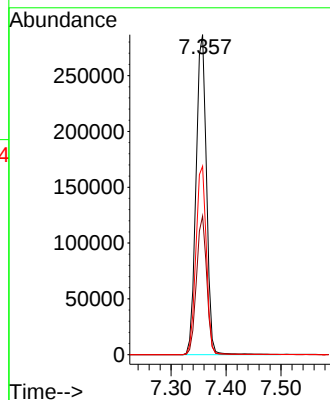
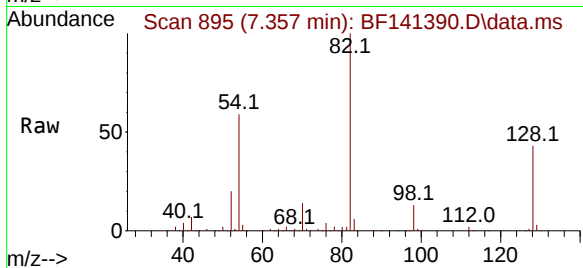
Tgt Ion: 82 Resp: 37822

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.7	53.5
54	58.9	47.1	70.7

Manual Integrations

APPROVED

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



#31

Naphthalene

Concen: 2.922 ng

RT: 8.098 min Scan# 1021

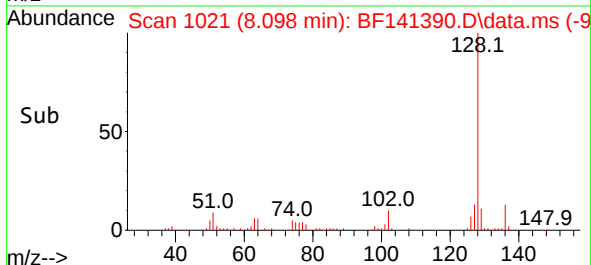
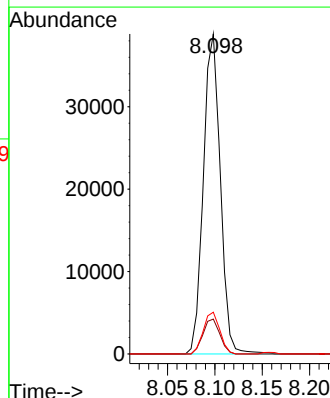
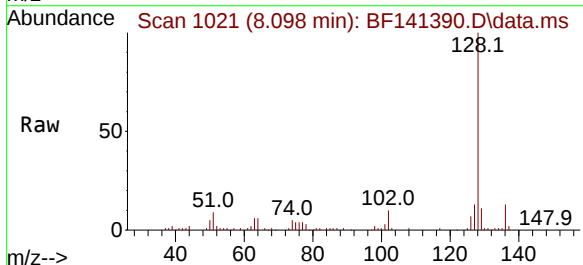
Delta R.T. -0.012 min

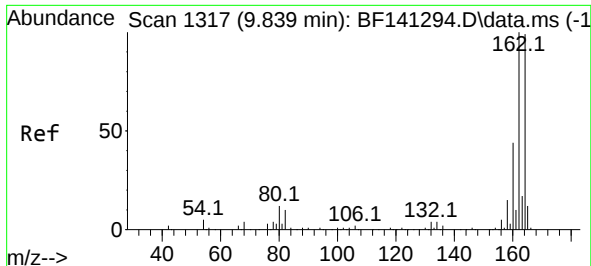
Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Tgt Ion:128 Resp: 48506

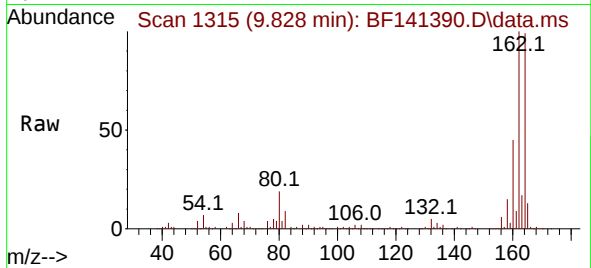
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.0	10.6	15.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

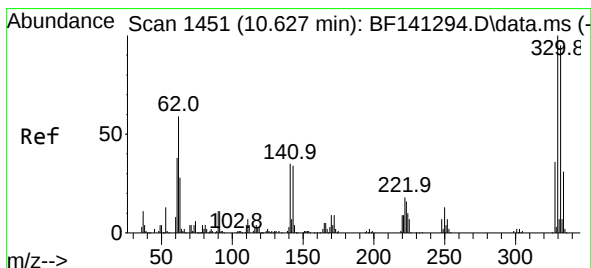
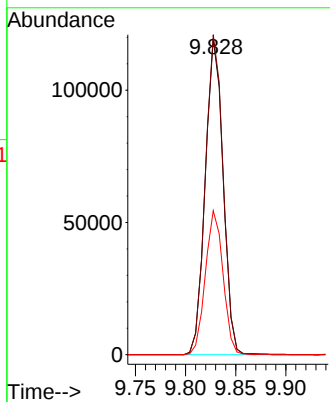
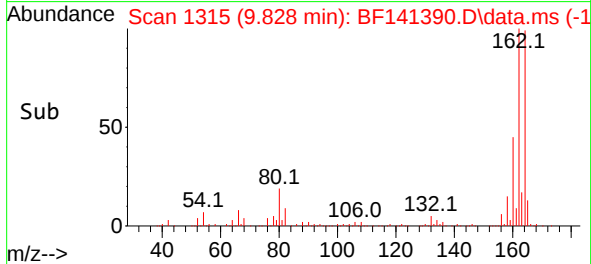
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925



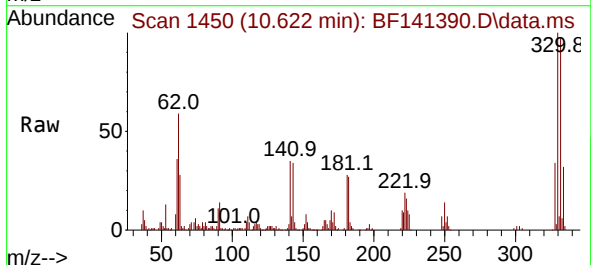
Tgt Ion:164 Resp: 148040
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 45.6 35.8 53.6

Manual Integrations
APPROVED

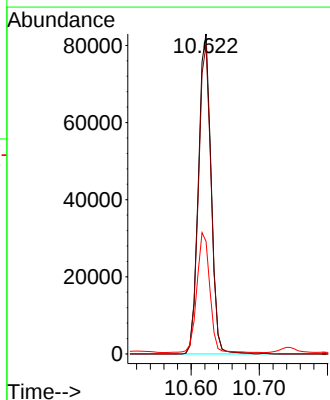
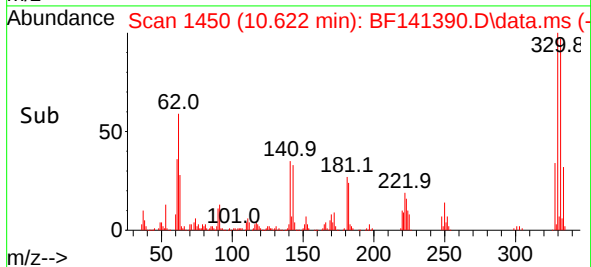
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

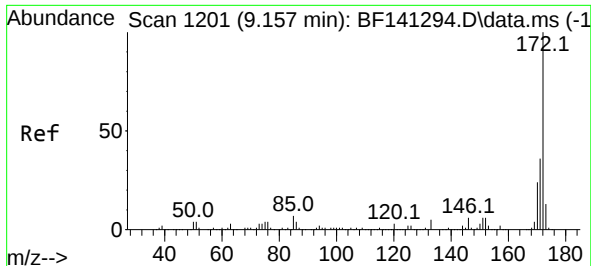


#42
2,4,6-Tribromophenol
Concen: 78.955 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49



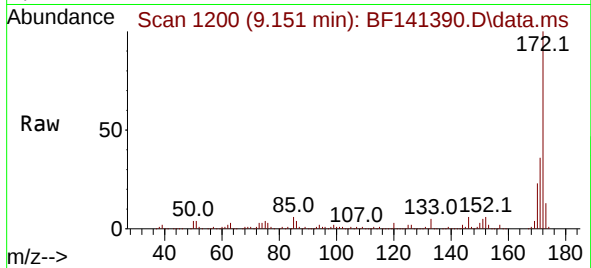
Tgt Ion:330 Resp: 107156
Ion Ratio Lower Upper
330 100
332 95.9 76.1 114.1
141 38.1 28.8 43.2





#45
2-Fluorobiphenyl
Concen: 62.447 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

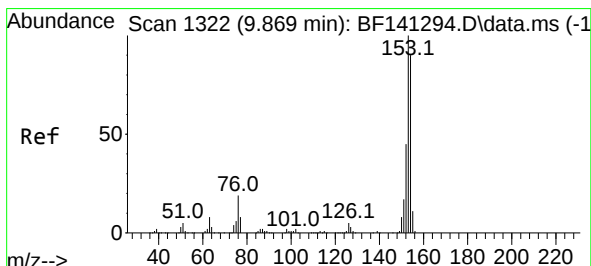
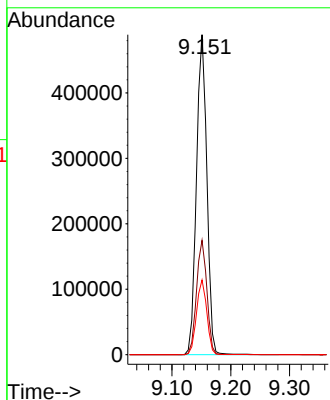
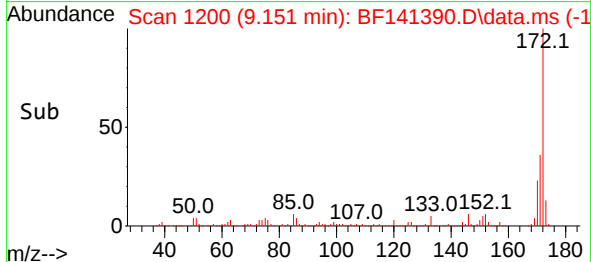
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925



Tgt Ion:172 Resp: 600614
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.3 19.0 28.6

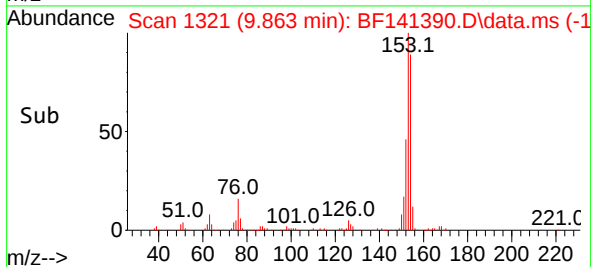
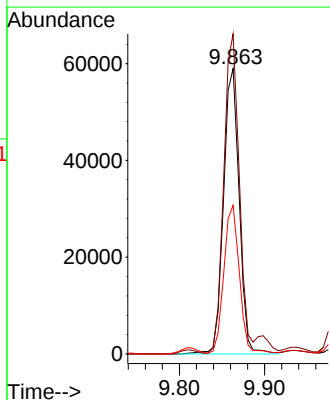
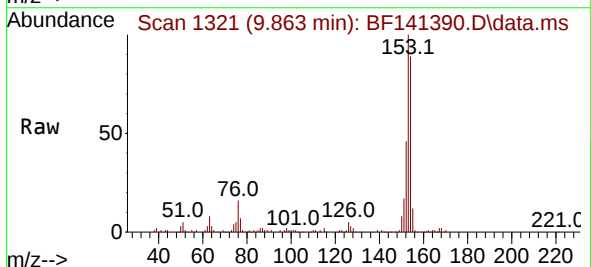
Manual Integrations
APPROVED

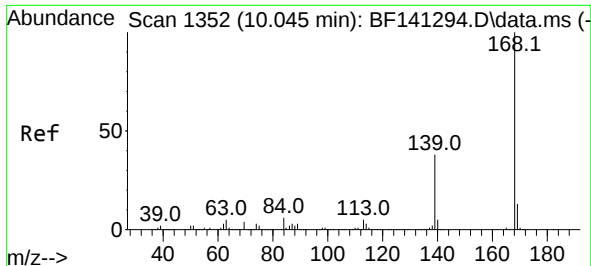
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#52
Acenaphthene
Concen: 8.365 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:154 Resp: 75275
Ion Ratio Lower Upper
154 100
153 112.1 89.0 133.4
152 52.1 40.2 60.4





#55

Dibenzenofuran

Concen: 4.947 ng

RT: 10.034 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

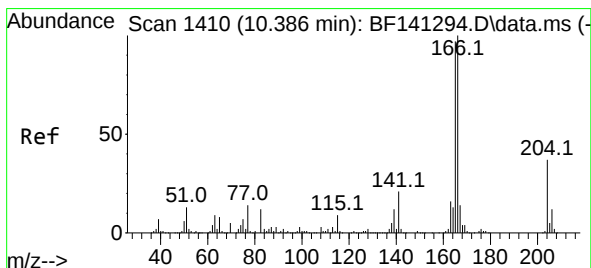
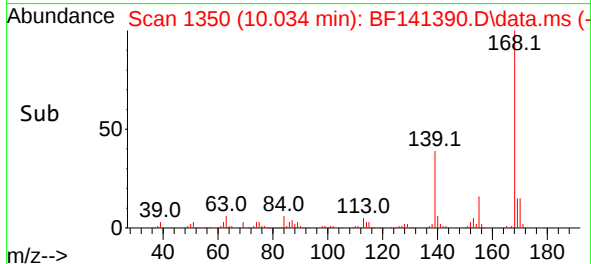
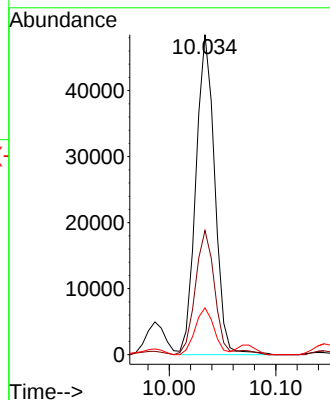
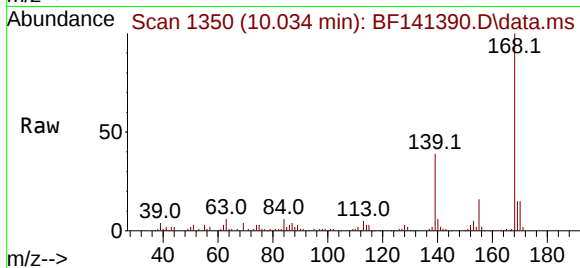
JPP-46.2-012925

Tgt Ion:168 Resp: 59589
 Ion Ratio Lower Upper
 168 100
 139 38.8 30.6 46.0
 169 14.7 10.8 16.2

Manual Integrations

APPROVED

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



#58

Fluorene

Concen: 8.036 ng

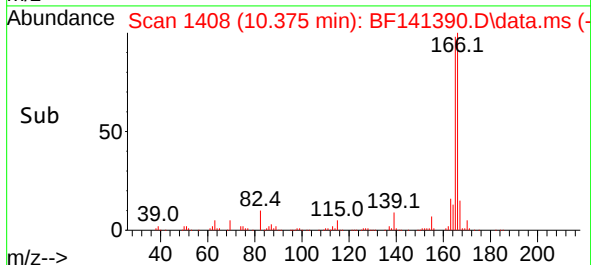
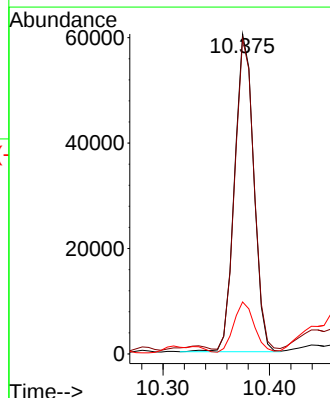
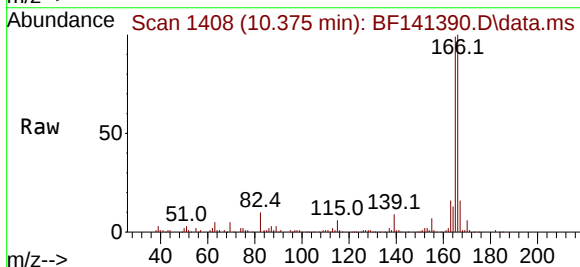
RT: 10.375 min Scan# 1408

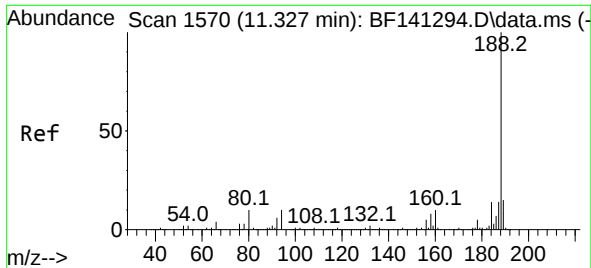
Delta R.T. -0.018 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

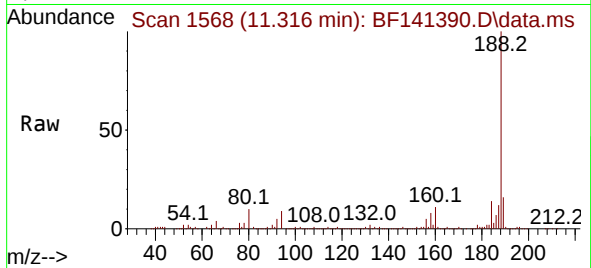
Tgt Ion:166 Resp: 75086
 Ion Ratio Lower Upper
 166 100
 165 98.5 77.5 116.3
 167 16.3 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

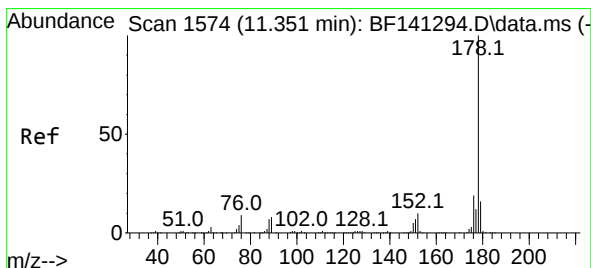
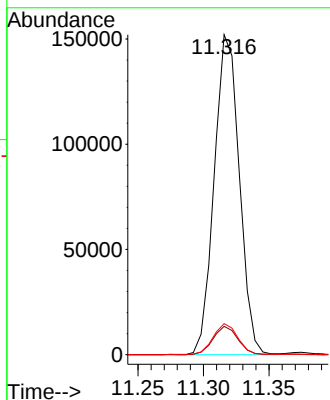
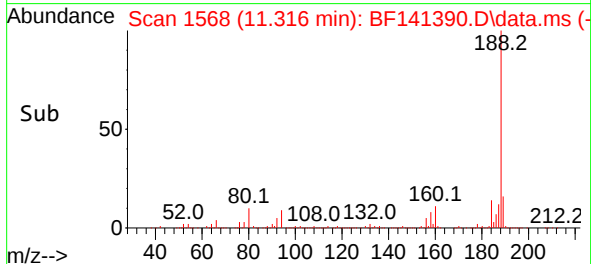
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925



Tgt Ion:188 Resp: 202244
Ion Ratio Lower Upper
188 100
94 8.8 7.8 11.6
80 9.7 8.2 12.4

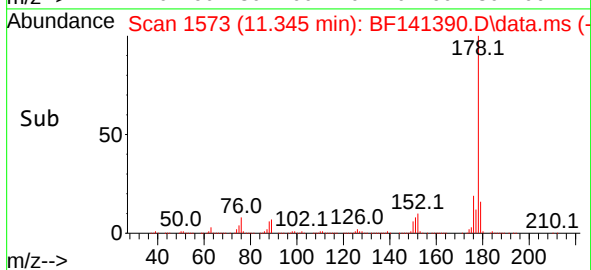
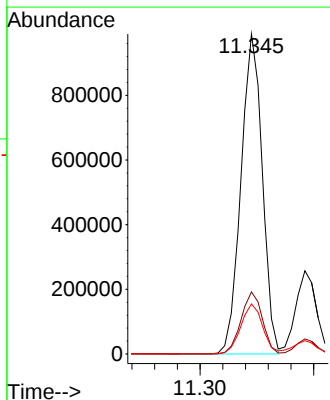
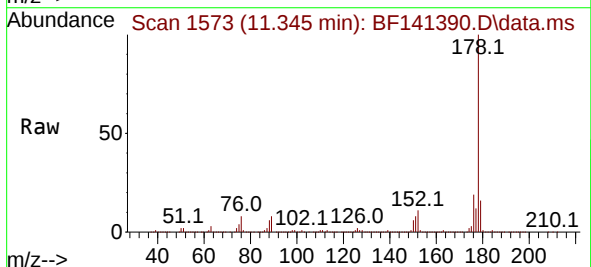
Manual Integrations
APPROVED

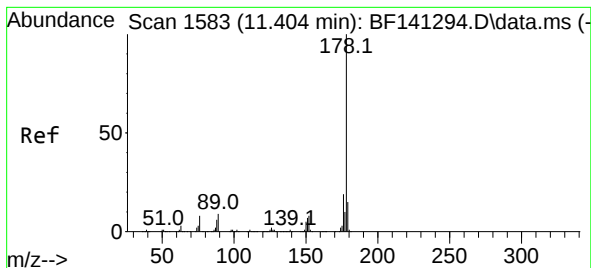
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#71
Phenanthrene
Concen: 118.520 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:178 Resp: 1288484
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.5 18.7





#72

Anthracene

Concen: 30.218 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

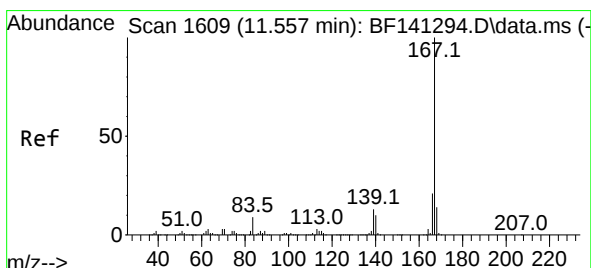
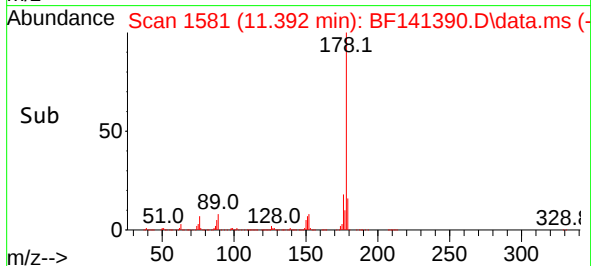
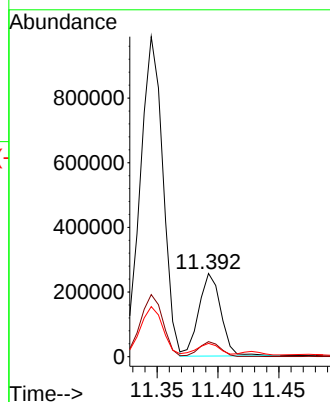
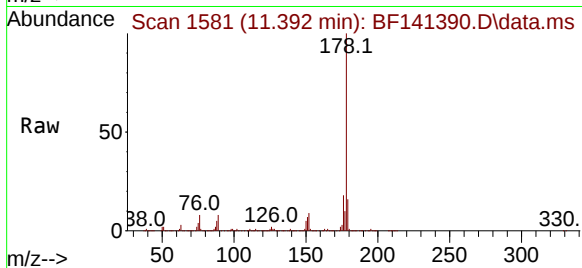
Tgt Ion:178 Resp: 32188

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.6
179	15.9	12.3	18.5

Manual Integrations

APPROVED

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



#73

Carbazole

Concen: 6.635 ng

RT: 11.551 min Scan# 1608

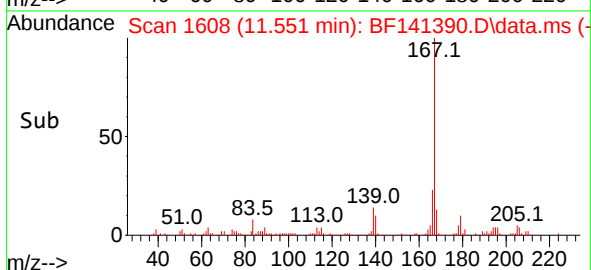
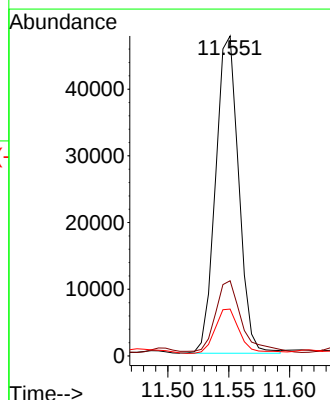
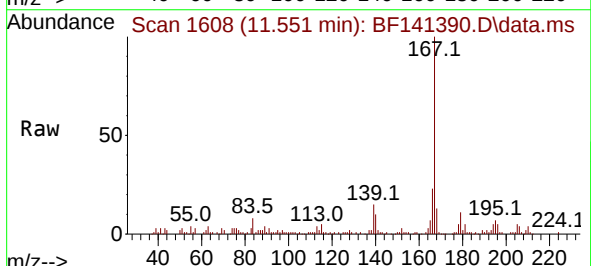
Delta R.T. -0.006 min

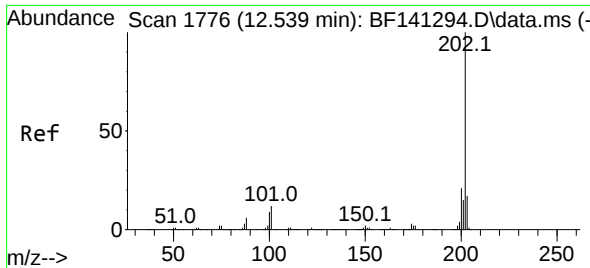
Lab File: BF141390.D

Acq: 04 Feb 2025 00:49

Tgt Ion:167 Resp: 62673

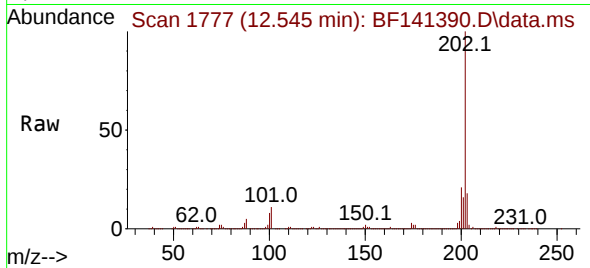
Ion	Ratio	Lower	Upper
167	100		
166	23.5	17.0	25.6
139	14.7	10.6	16.0





#75
Fluoranthene
Concen: 217.694 ng
RT: 12.545 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

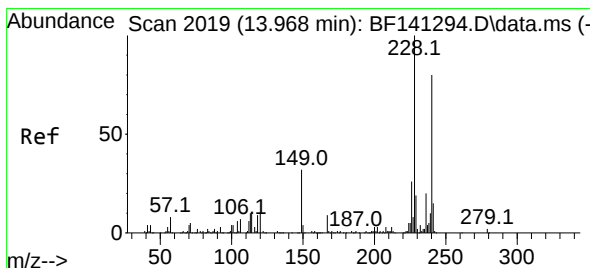
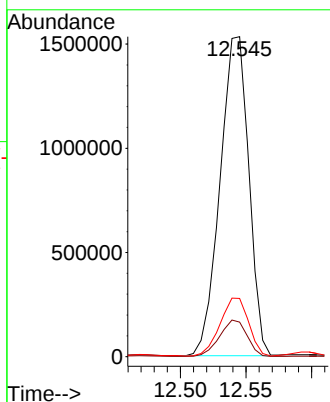
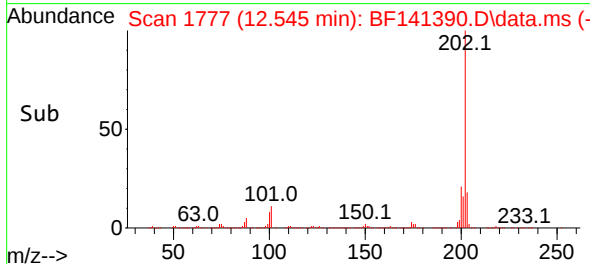
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925



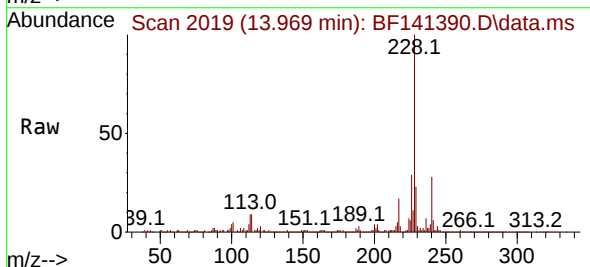
Tgt Ion:202 Resp: 2336800
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.7
203 18.2 0.0 37.5

Manual Integrations
APPROVED

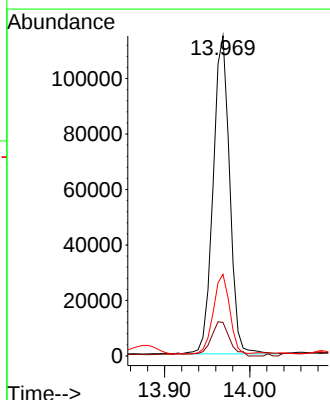
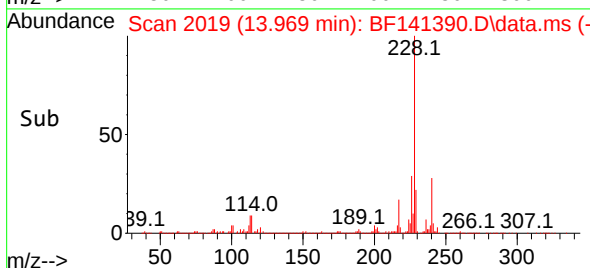
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

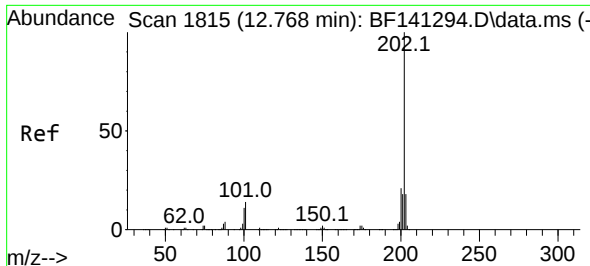


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49



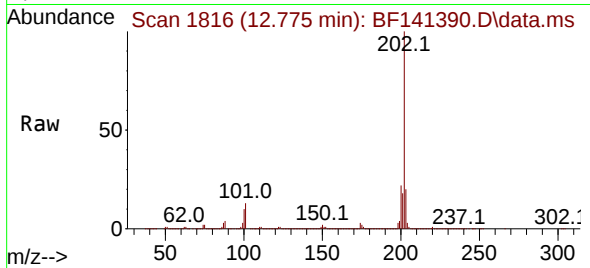
Tgt Ion:240 Resp: 154541
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.5 19.7 29.5





#78
Pyrene
Concen: 162.018 ng
RT: 12.775 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

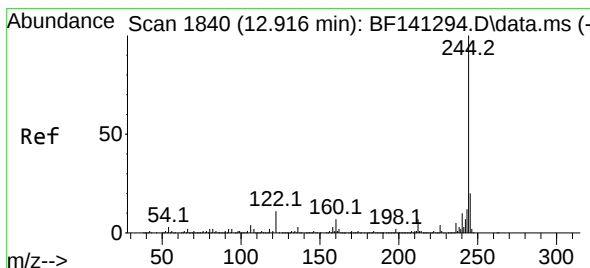
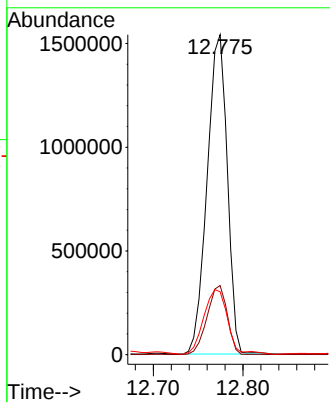
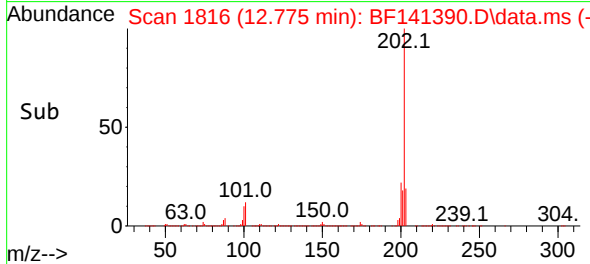
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925



Tgt Ion:202 Resp: 240344
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 19.7 14.3 21.5

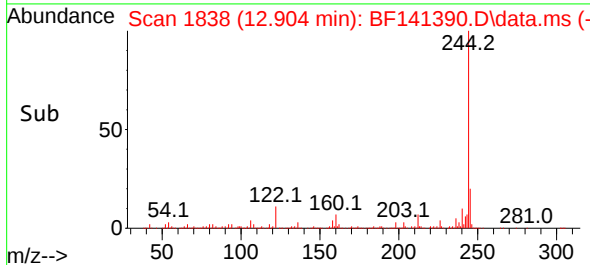
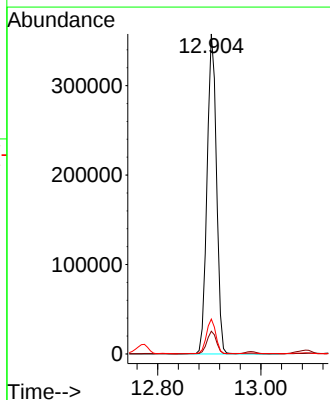
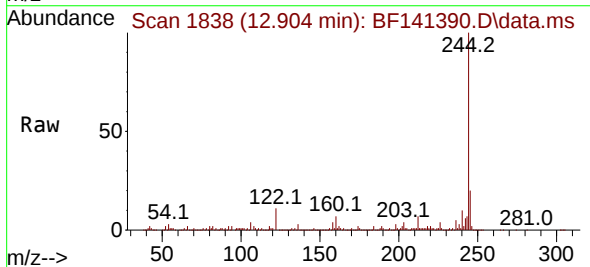
Manual Integrations
APPROVED

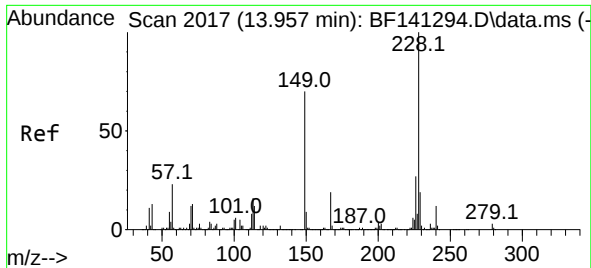
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#79
Terphenyl-d14
Concen: 45.258 ng
RT: 12.904 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:244 Resp: 453522
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.0
122 10.9 8.8 13.2





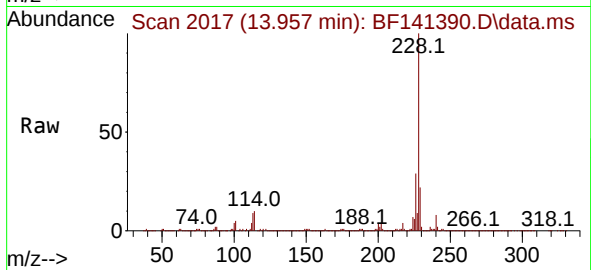
#81
Benzo(a)anthracene
Concen: 116.470 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Instrument :

BNA_F

ClientSampleId :

JPP-46.2-012925

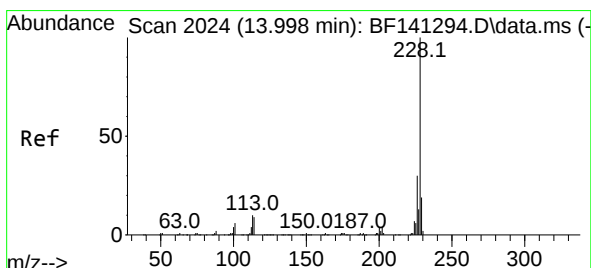
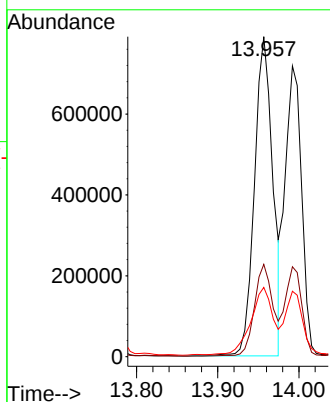
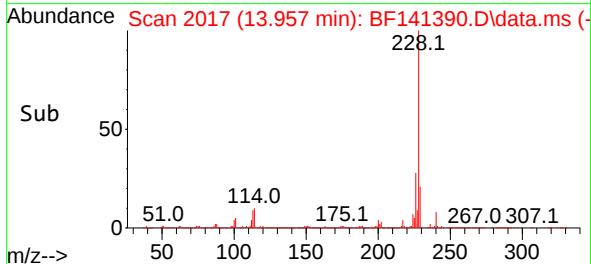


Tgt Ion:228 Resp: 1242060
Ion Ratio Lower Upper
228 100
226 28.8 21.4 32.2
229 21.7 15.5 23.3

Manual Integrations

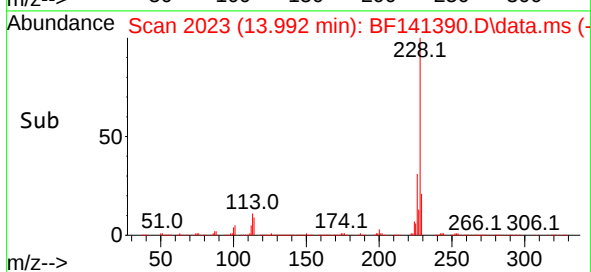
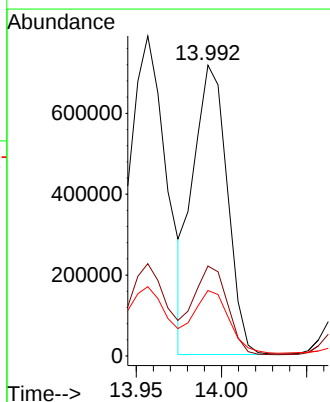
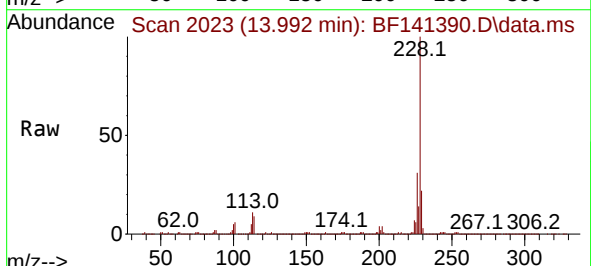
APPROVED

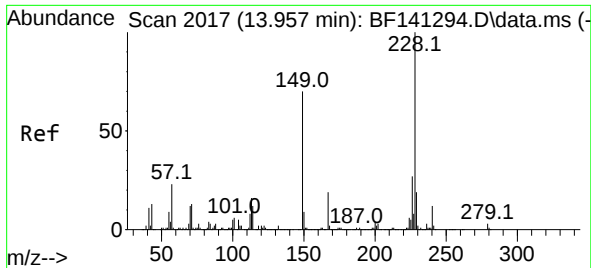
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#83
Chrysene
Concen: 102.339 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:228 Resp: 1000203
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.5 15.6 23.4





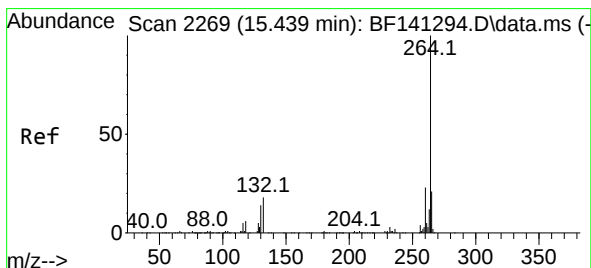
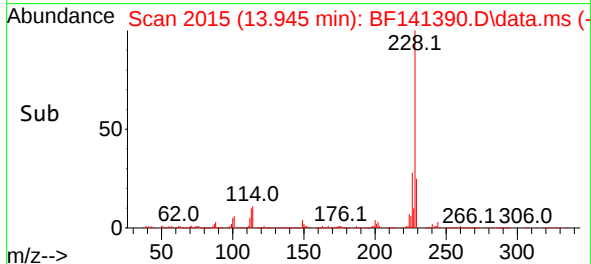
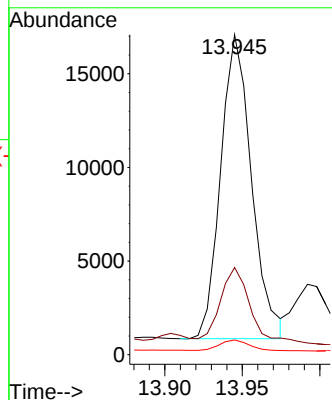
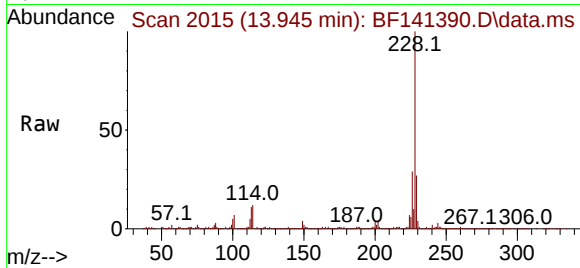
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.415 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

Tgt Ion:149 Resp: 2245
Ion Ratio Lower Upper
149 100
167 27.3 21.8 32.8
279 4.6 3.3 4.9

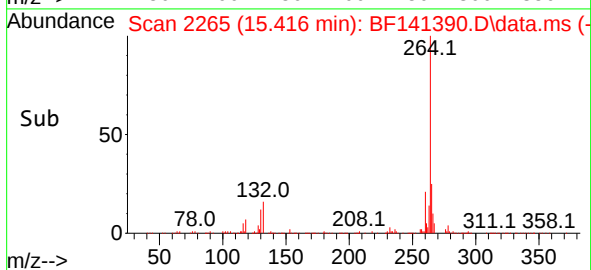
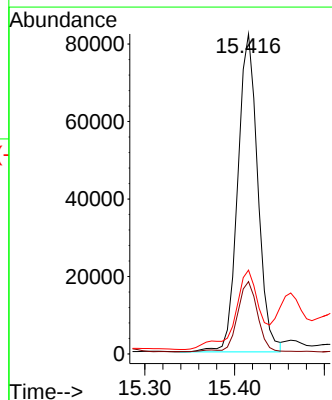
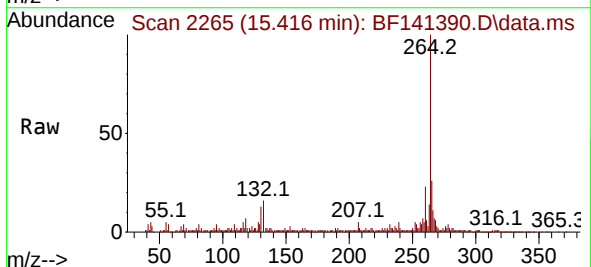
Manual Integrations
APPROVED

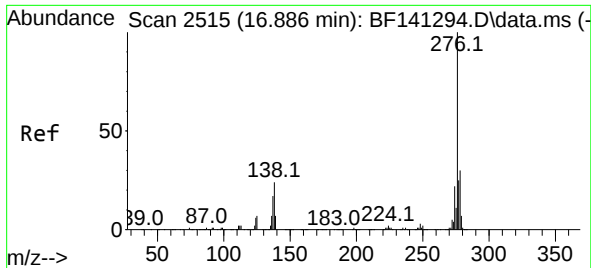
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

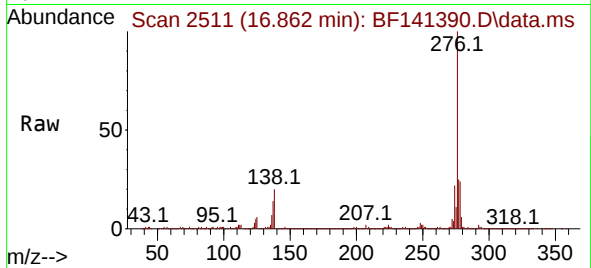
Tgt Ion:264 Resp: 126974
Ion Ratio Lower Upper
264 100
260 22.6 18.6 27.8
265 26.2 16.7 25.1#





#87
Indeno(1,2,3-cd)pyrene
Concen: 52.644 ng
RT: 16.862 min Scan# 2115
Delta R.T. -0.035 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

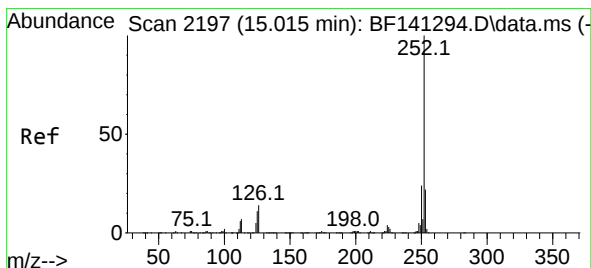
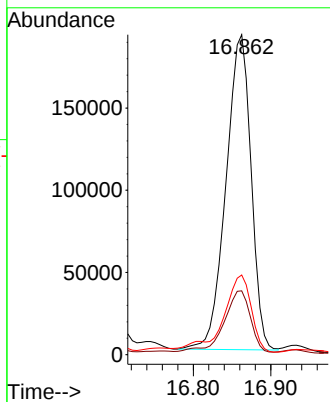
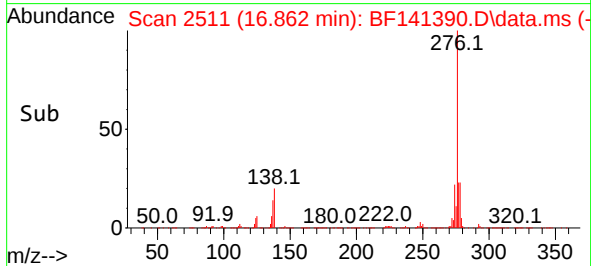
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925



Tgt Ion:276 Resp: 431428
Ion Ratio Lower Upper
276 100
138 20.3 21.7 32.5
277 28.3 20.3 30.5

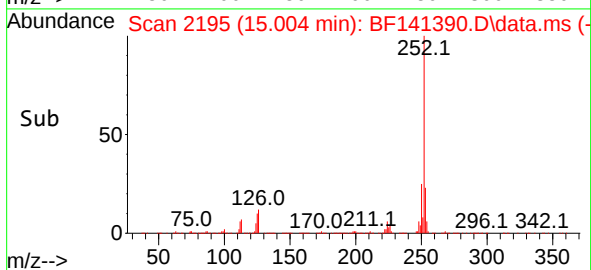
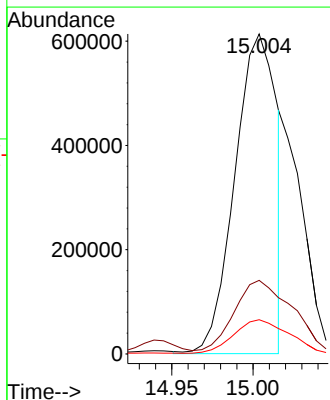
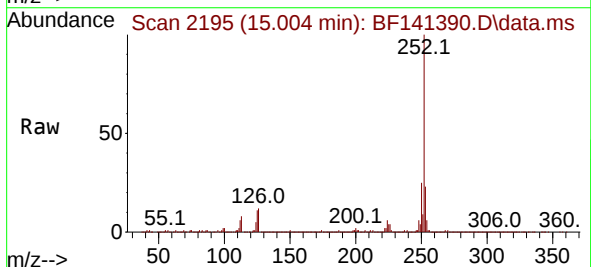
Manual Integrations
APPROVED

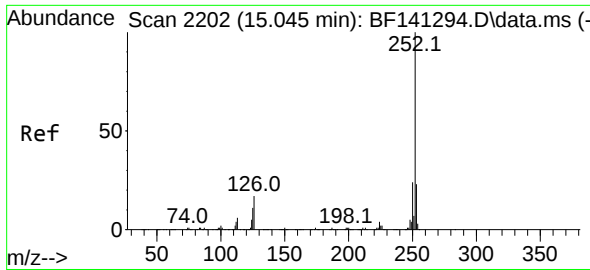
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#88
Benzo(b)fluoranthene
Concen: 137.861 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

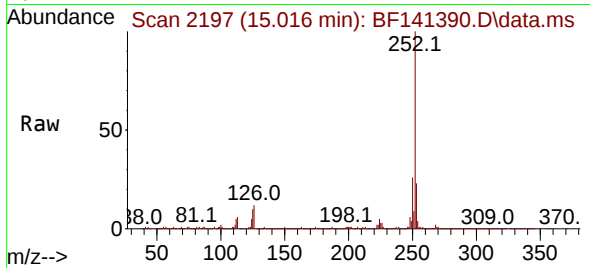
Tgt Ion:252 Resp: 1101098
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.7 8.6 12.8





#89
Benzo(k)fluoranthene
Concen: 55.461 ng m
RT: 15.016 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

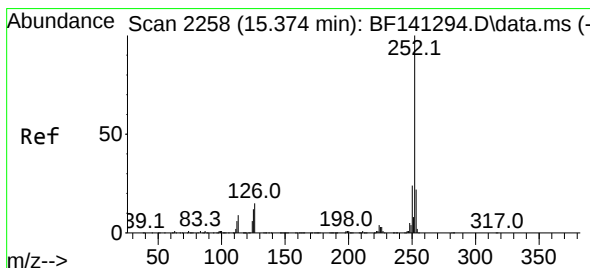
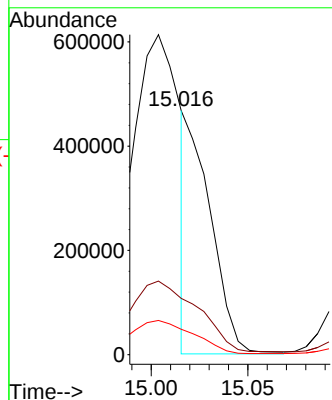
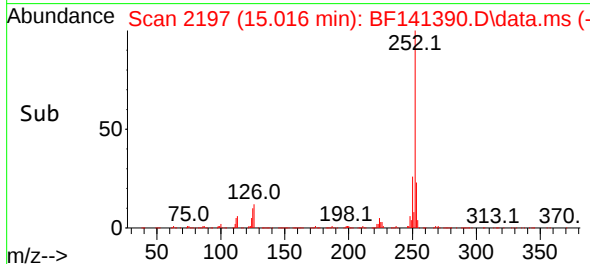
Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925



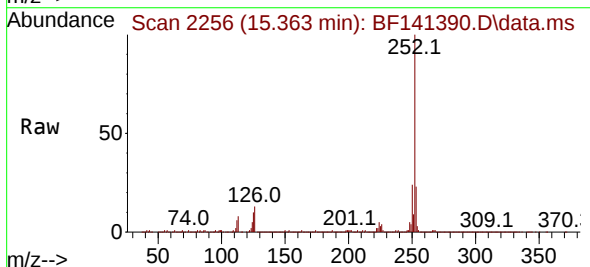
Tgt Ion:252 Resp: 392410
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 10.4 8.4 12.6

Manual Integrations
APPROVED

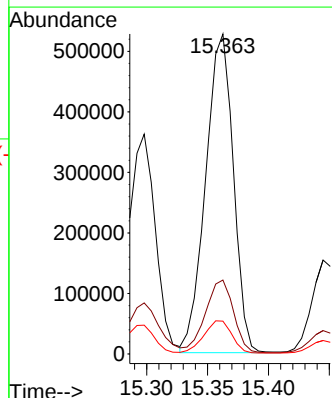
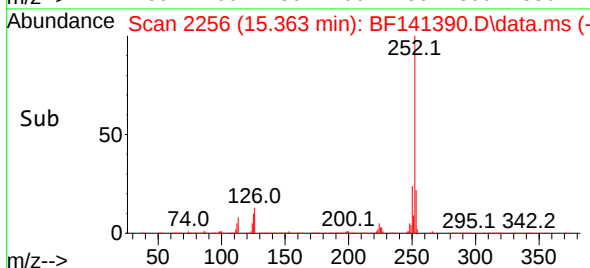
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

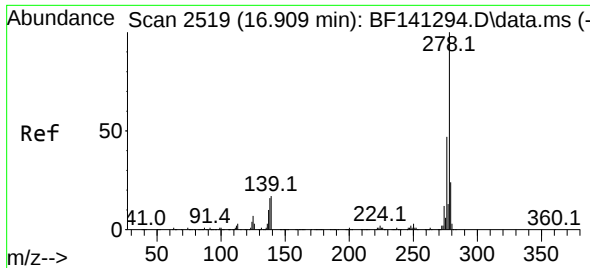


#90
Benzo(a)pyrene
Concen: 123.679 ng
RT: 15.363 min Scan# 2256
Delta R.T. -0.018 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49



Tgt Ion:252 Resp: 834756
Ion Ratio Lower Upper
252 100
253 23.1 17.2 25.8
125 10.3 9.4 14.2





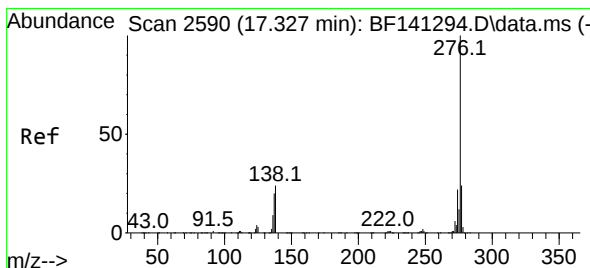
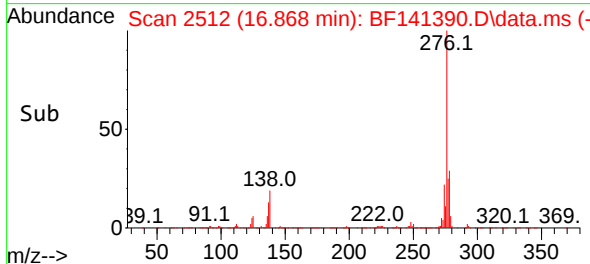
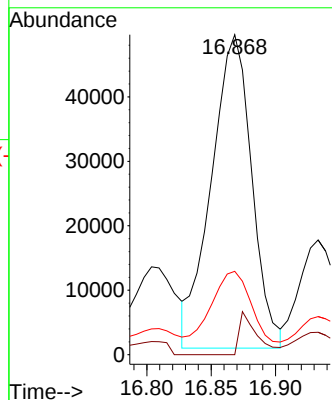
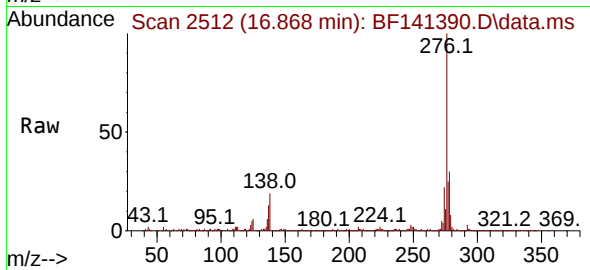
#91
Dibenzo(a,h)anthracene
Concen: 16.112 ng m
RT: 16.868 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Instrument :
BNA_F
ClientSampleId :
JPP-46.2-012925

Tgt Ion:278 Resp: 106234
Ion Ratio Lower Upper
278 100
139 0.0 13.9 20.9
279 26.0 18.8 28.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 63.864 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141390.D
Acq: 04 Feb 2025 00:49

Tgt Ion:276 Resp: 437834
Ion Ratio Lower Upper
276 100
277 24.3 19.2 28.8
138 20.4 19.0 28.4

