

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141392.D
 Acq On : 04 Feb 2025 01:42
 Operator : RC/JU
 Sample : Q1216-11 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-21.2-012825

Manual Integrations
 APPROVED

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

Quant Time: Feb 04 02:57:53 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	6.792	152	78116	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	291369	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	134383	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	196403	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	149766	20.000	ng	-0.02
86) Perylene-d12	15.404	264	108070	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	215009	42.255	ng	0.00
7) Phenol-d6	6.434	99	257476	39.777	ng	0.00
23) Nitrobenzene-d5	7.351	82	165397	29.925	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	49308	40.023	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	268332	30.734	ng	-0.01
79) Terphenyl-d14	12.904	244	224950	23.164	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	268590	25.441	ng	100
72) Anthracene	11.392	178	74973	7.248	ng	99
73) Carbazole	11.551	167	25922	2.826	ng	98
75) Fluoranthene	12.533	202	392133	37.617	ng	97
78) Pyrene	12.757	202	350900	24.409	ng	98
81) Benzo(a)anthracene	13.945	228	161074	15.586	ng	97
83) Chrysene	13.980	228	134899	14.243	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	46854	6.717	ng	# 92
88) Benzo(b)fluoranthene	14.986	252	129277m	19.017	ng	
89) Benzo(k)fluoranthene	15.004	252	40619m	6.745	ng	
90) Benzo(a)pyrene	15.345	252	88222	15.358	ng	97
91) Dibenzo(a,h)anthracene	16.857	278	12087	2.154	ng	# 89
92) Benzo(g,h,i)perylene	17.274	276	44549	7.635	ng	95

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

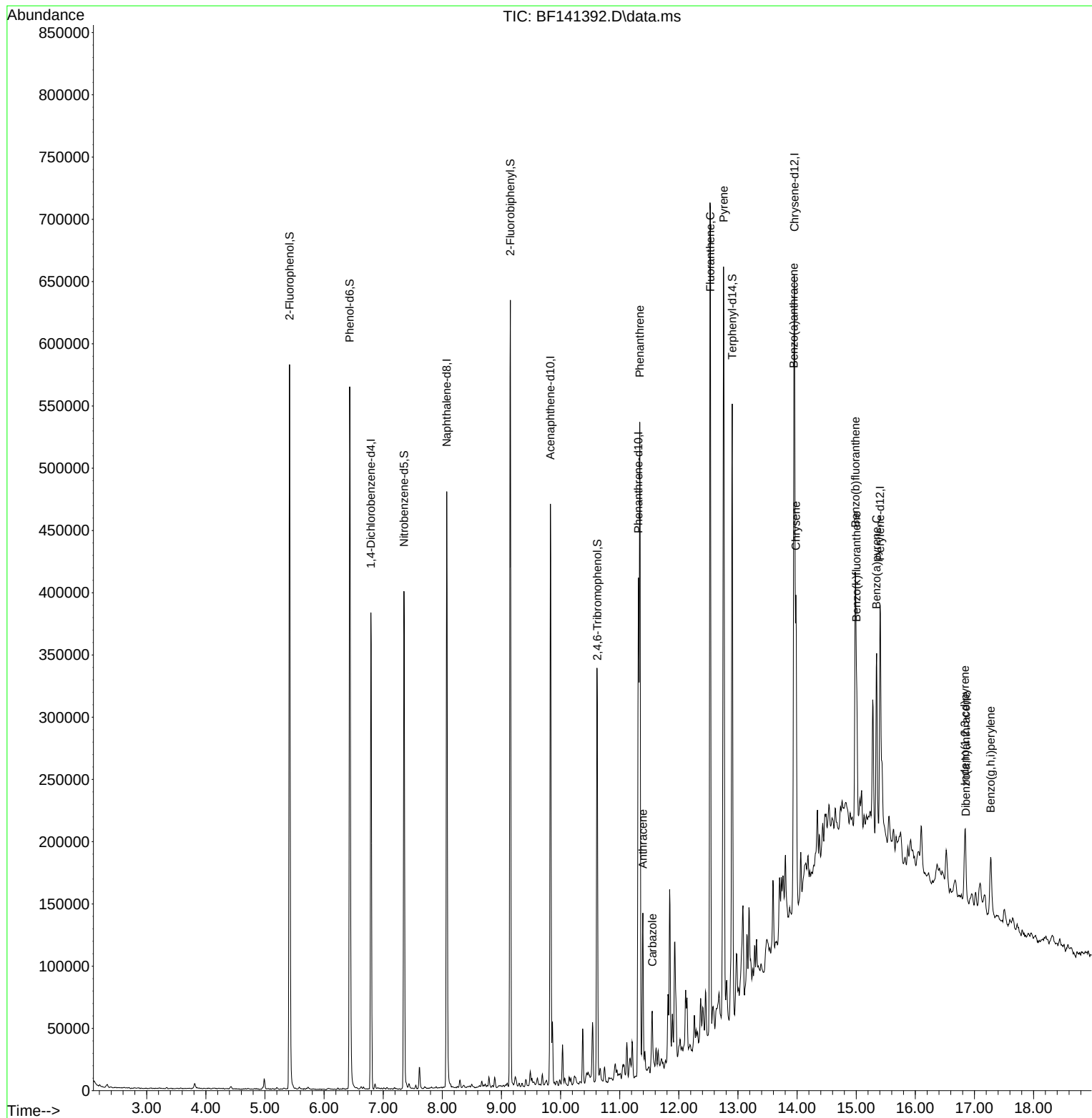
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141392.D
Acq On : 04 Feb 2025 01:42
Operator : RC/JU
Sample : Q1216-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

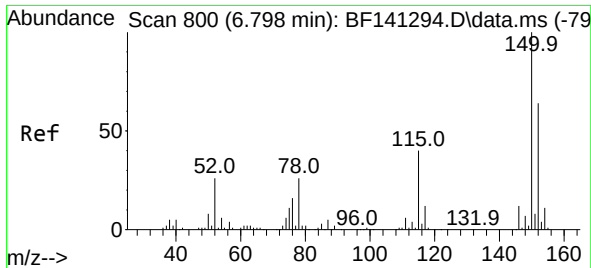
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

Quant Time: Feb 04 02:57:53 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

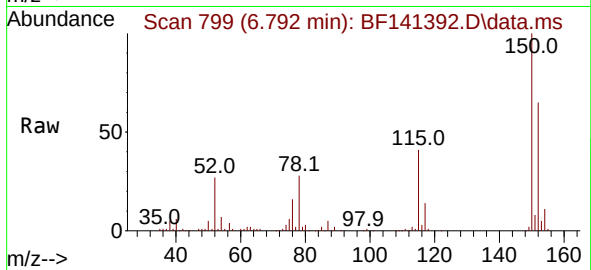
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

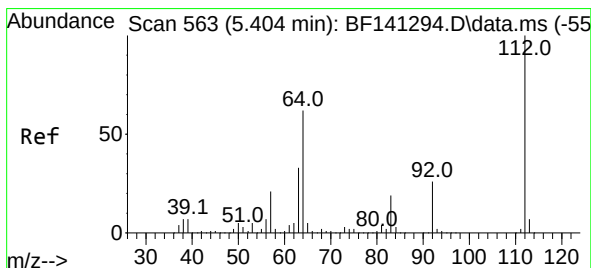
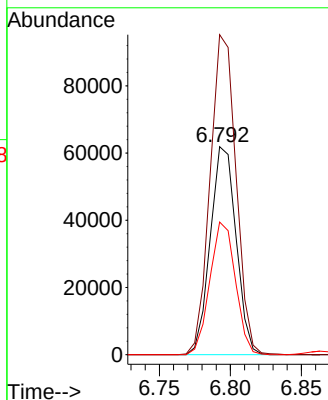
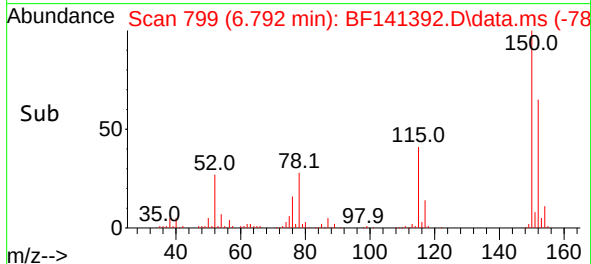
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825



Tgt Ion:152 Resp: 78110
Ion Ratio Lower Upper
152 100
150 153.9 125.9 188.9
115 63.8 49.7 74.5

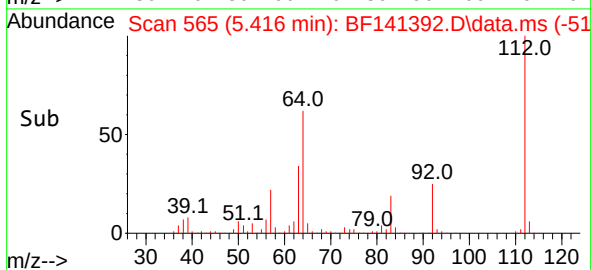
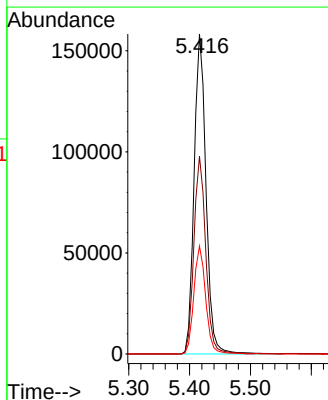
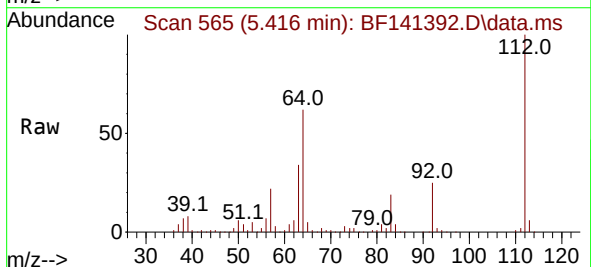
Manual Integrations
APPROVED

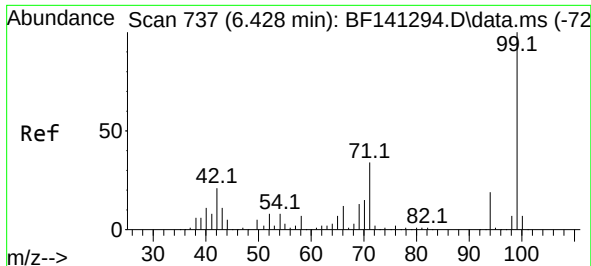
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#5
2-Fluorophenol
Concen: 42.255 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

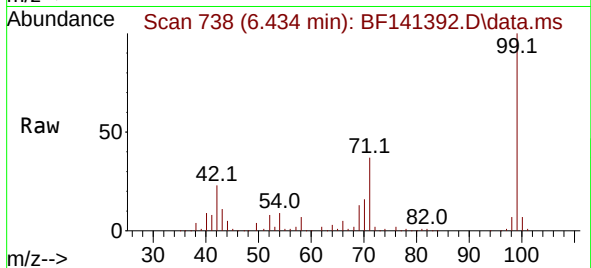
Tgt Ion:112 Resp: 215009
Ion Ratio Lower Upper
112 100
64 61.8 49.8 74.8
63 33.7 26.1 39.1





#7
Phenol-d6
Concen: 39.777 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

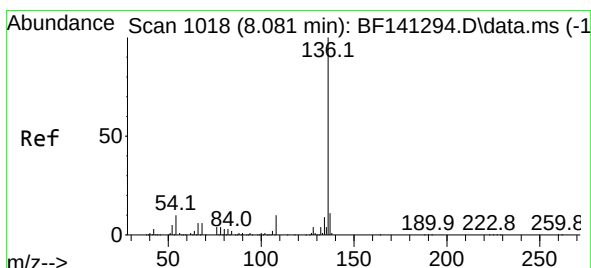
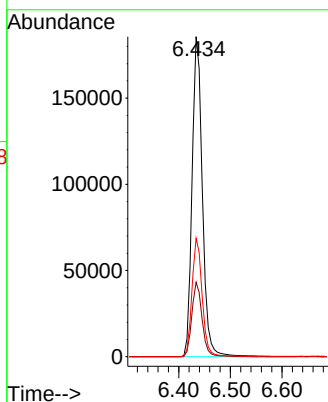
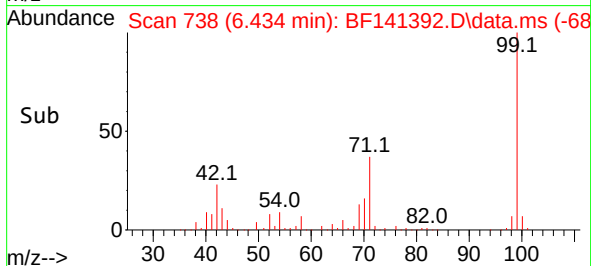
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825



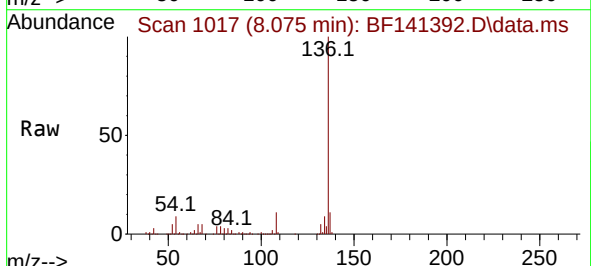
Tgt Ion: 99 Resp: 257470
Ion Ratio Lower Upper
99 100
42 23.3 17.1 25.7
71 37.0 26.9 40.3

Manual Integrations
APPROVED

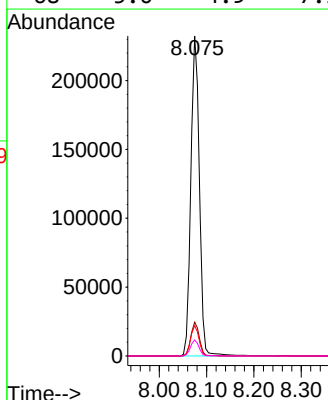
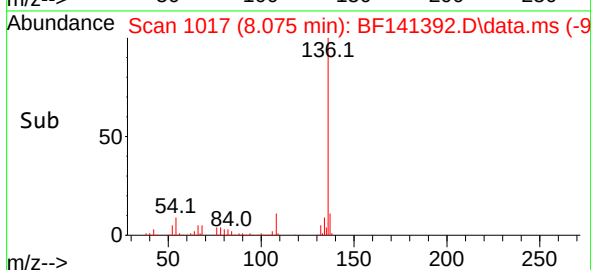
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

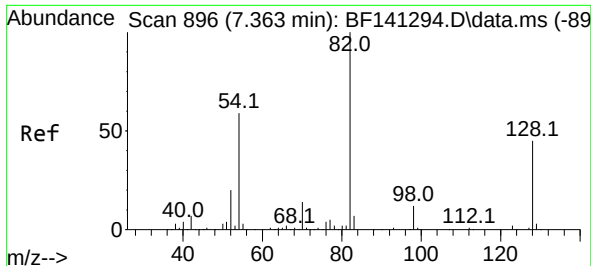


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42



Tgt Ion:136 Resp: 291369
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 9.5 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 29.925 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

Instrument :

BNA_F

ClientSampleId :

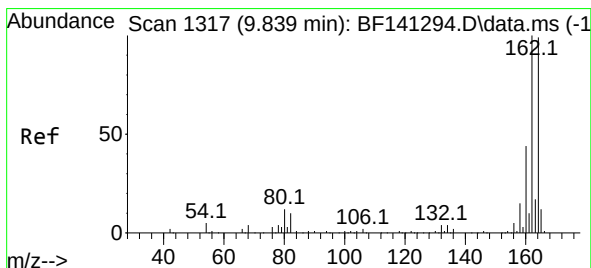
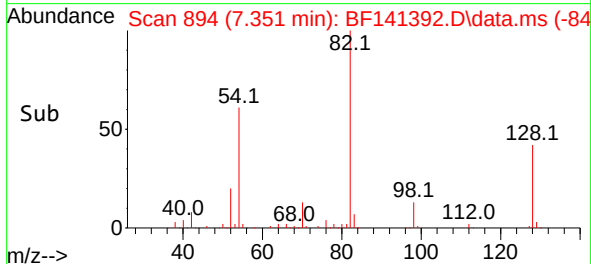
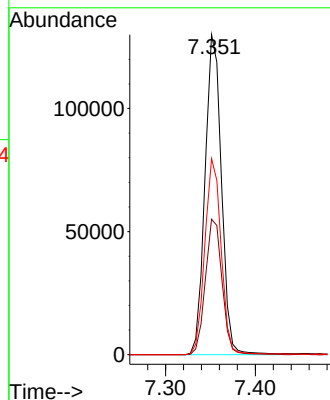
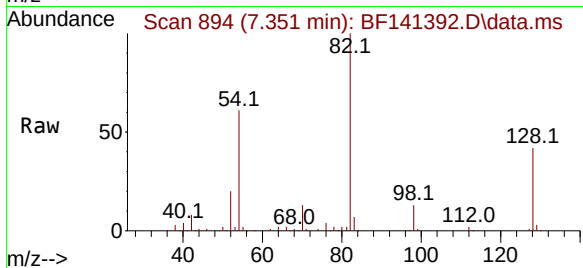
JPP-21.2-012825

Tgt Ion: 82 Resp: 165397
 Ion Ratio Lower Upper
 82 100
 128 42.3 35.7 53.5
 54 61.3 47.1 70.7

Manual Integrations

APPROVED

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



#39

Acenaphthene-d10

Concen: 20.000 ng

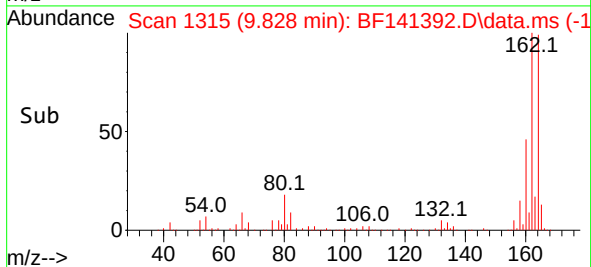
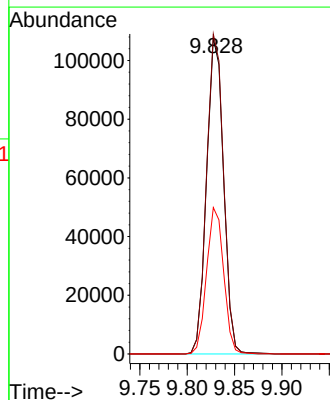
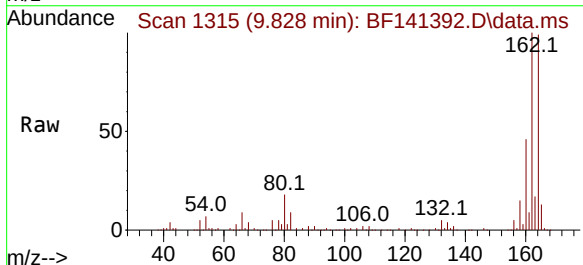
RT: 9.828 min Scan# 1315

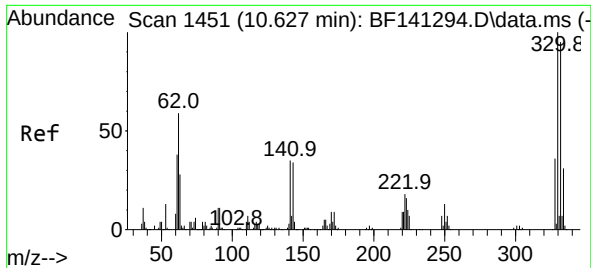
Delta R.T. -0.012 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

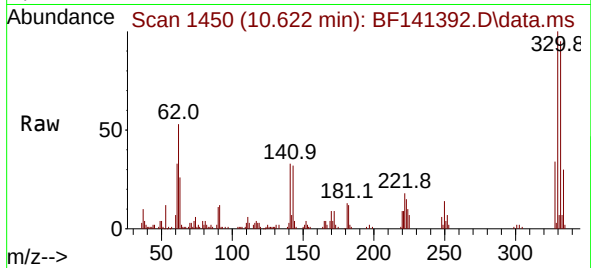
Tgt Ion:164 Resp: 134383
 Ion Ratio Lower Upper
 164 100
 162 101.3 80.6 121.0
 160 46.4 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 40.023 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

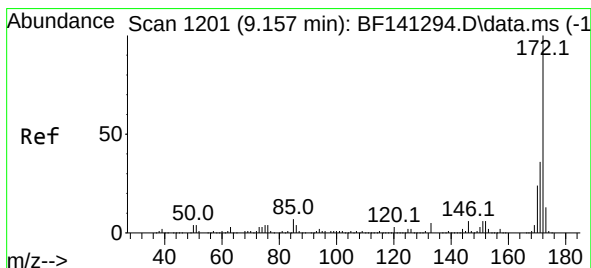
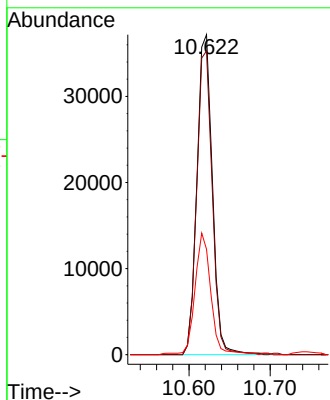
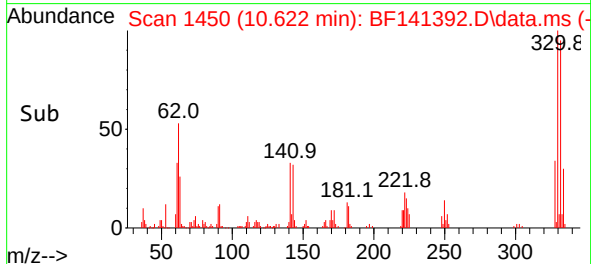
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825



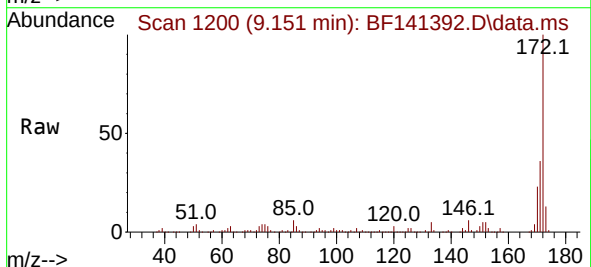
Tgt Ion: 330 Resp: 49308
Ion Ratio Lower Upper
330 100
332 95.0 76.1 114.1
141 39.1 28.8 43.2

Manual Integrations
APPROVED

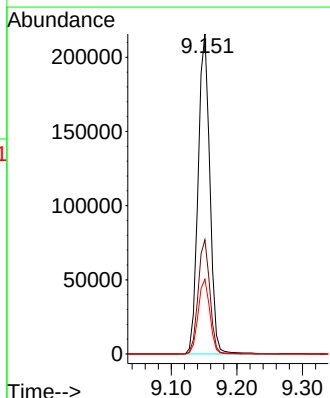
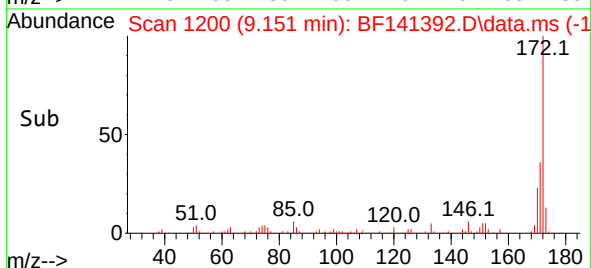
Reviewed By : Jagrut Upadhyay 02/04/2025
Supervised By : mohammad ahmed 02/06/2025

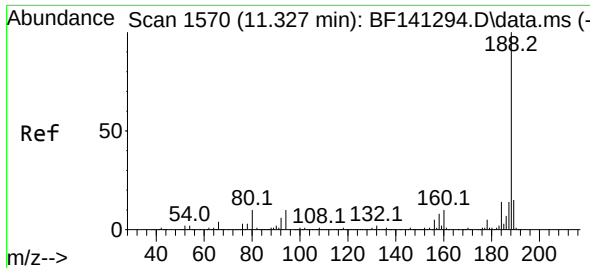


#45
2-Fluorobiphenyl
Concen: 30.734 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42



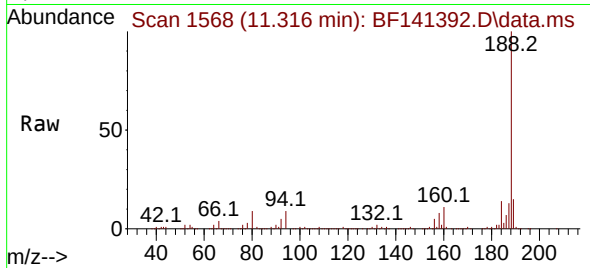
Tgt Ion: 172 Resp: 268332
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.4 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

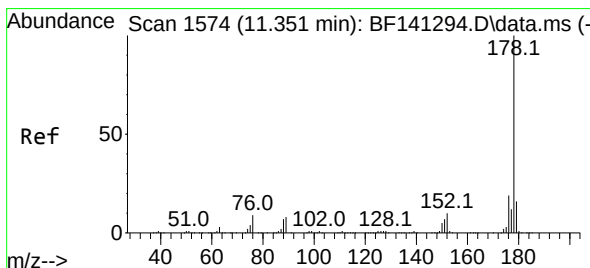
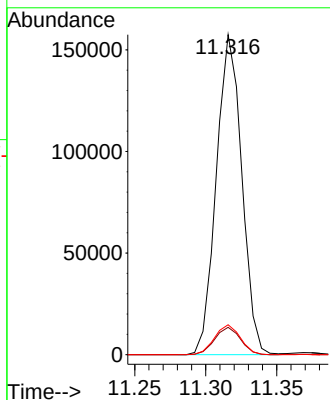
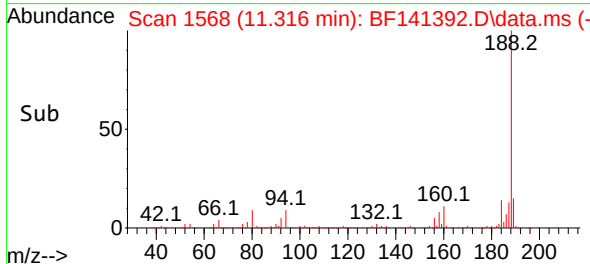
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825



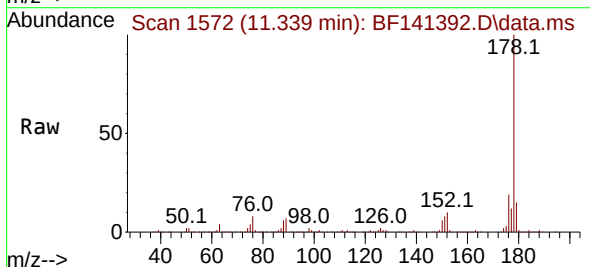
Tgt Ion:188 Resp: 19640
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 9.3 8.2 12.4

Manual Integrations
APPROVED

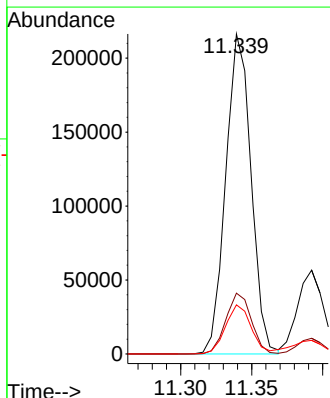
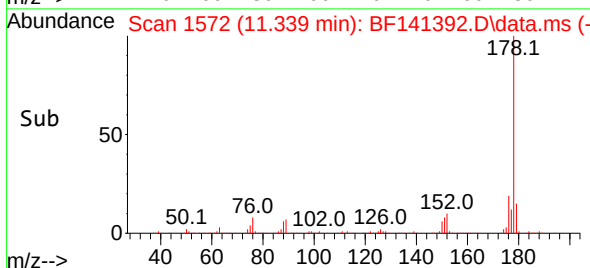
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

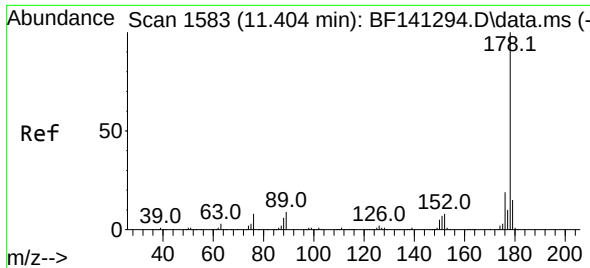


#71
Phenanthrene
Concen: 25.441 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42



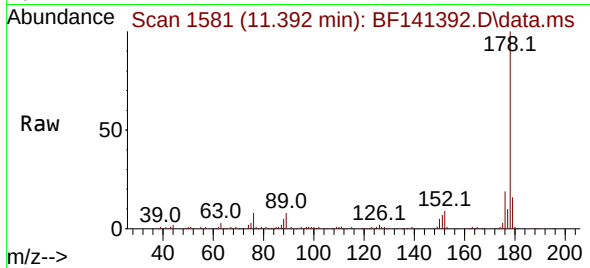
Tgt Ion:178 Resp: 268590
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.5 18.7





#72
 Anthracene
 Concen: 7.248 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141392.D
 Acq: 04 Feb 2025 01:42

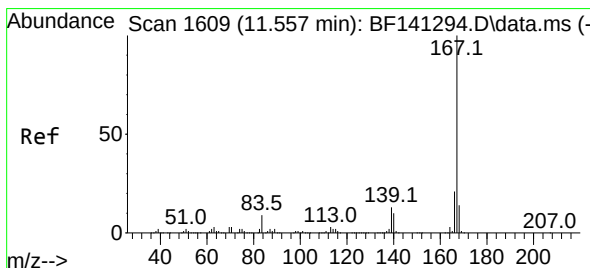
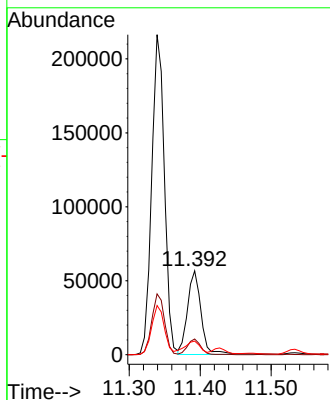
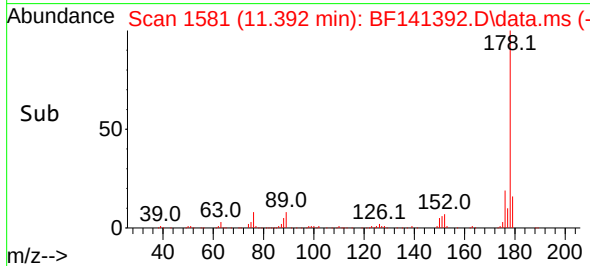
Instrument :
 BNA_F
 ClientSampleId :
 JPP-21.2-012825



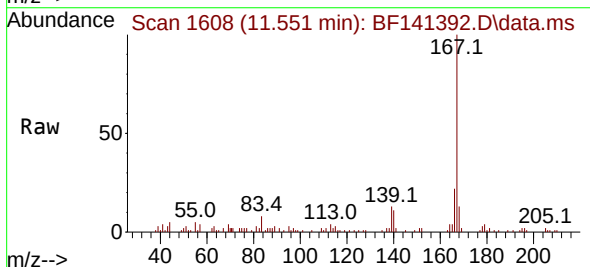
Tgt Ion:178 Resp: 7497
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 16.2 12.3 18.5

Manual Integrations
 APPROVED

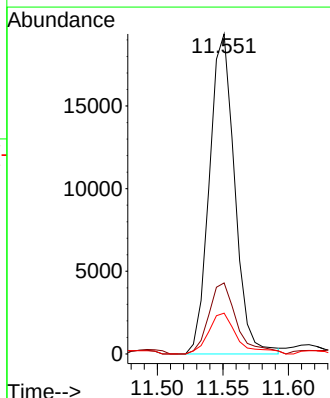
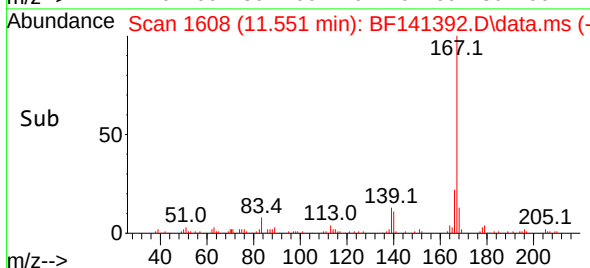
Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

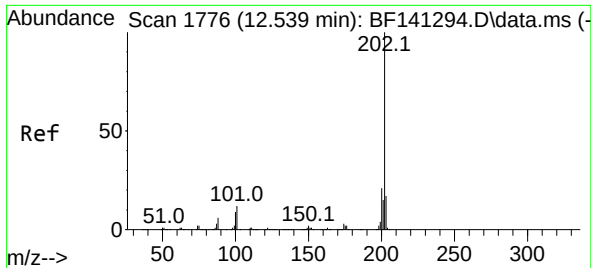


#73
 Carbazole
 Concen: 2.826 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. -0.006 min
 Lab File: BF141392.D
 Acq: 04 Feb 2025 01:42



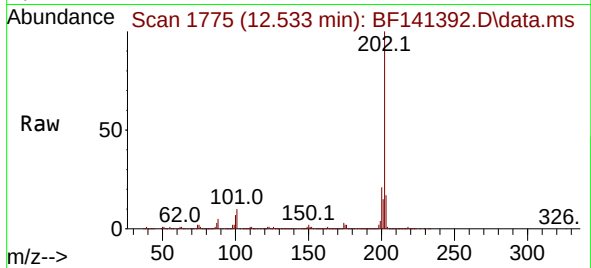
Tgt Ion:167 Resp: 25922
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.0 25.6
 139 12.7 10.6 16.0





#75
Fluoranthene
Concen: 37.617 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

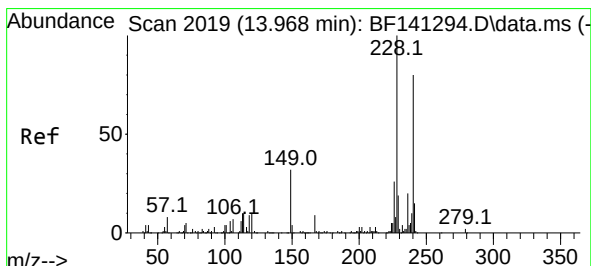
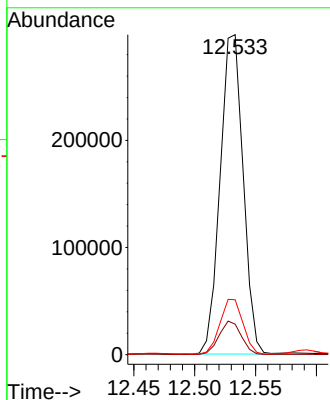
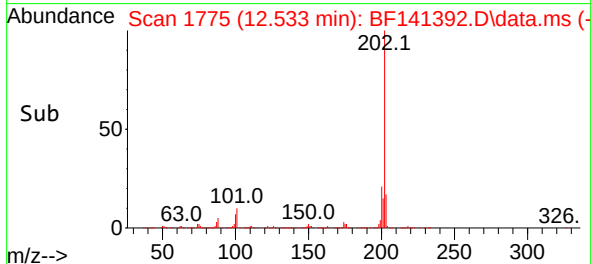
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825



Tgt Ion:202 Resp: 39213
Ion Ratio Lower Upper
202 100
101 9.6 0.0 31.7
203 17.2 0.0 37.5

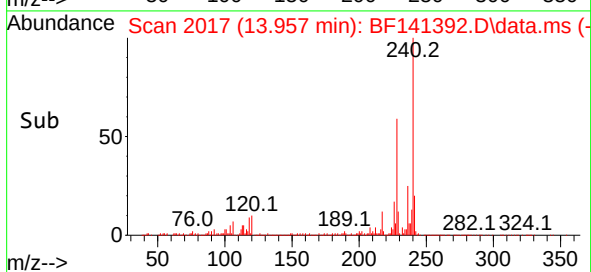
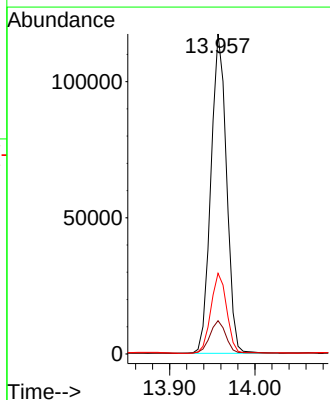
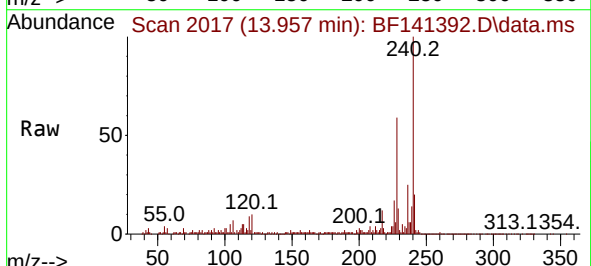
Manual Integrations
APPROVED

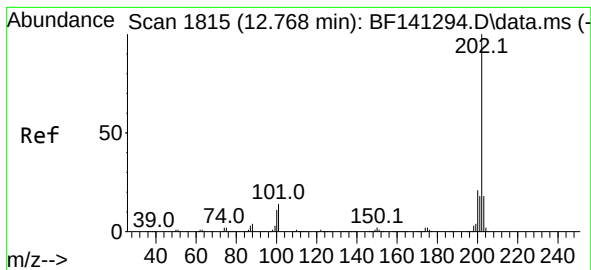
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:240 Resp: 149766
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.2 19.7 29.5





#78

Pyrene

Concen: 24.409 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

Instrument :

BNA_F

ClientSampleId :

JPP-21.2-012825

Tgt Ion:202 Resp: 350900

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

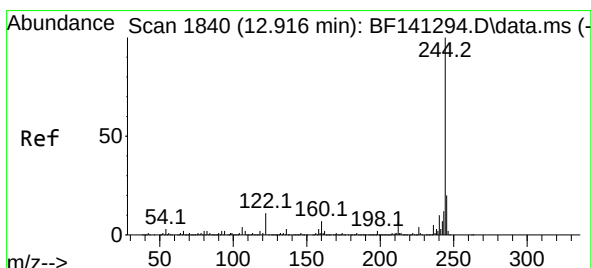
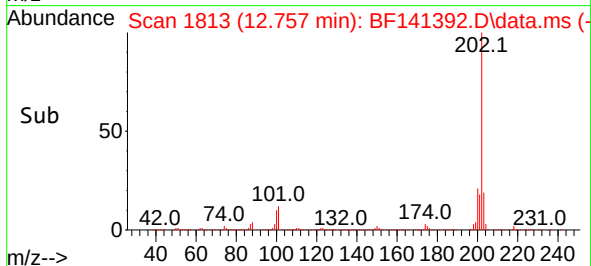
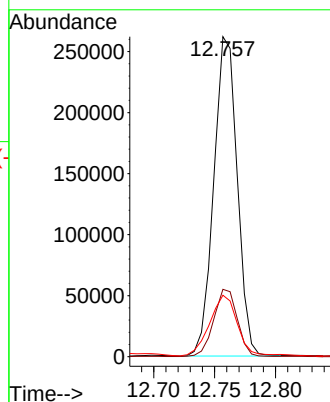
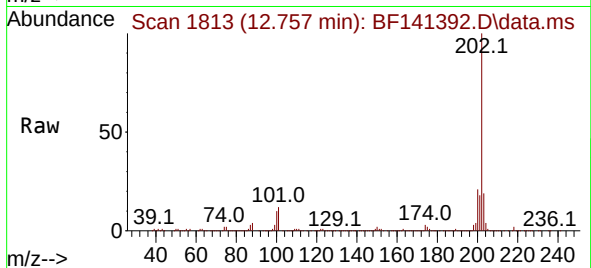
203 19.2 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#79

Terphenyl-d14

Concen: 23.164 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141392.D

Acq: 04 Feb 2025 01:42

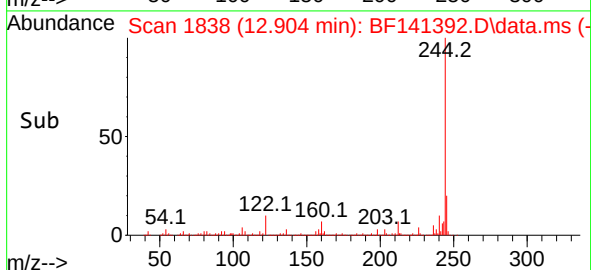
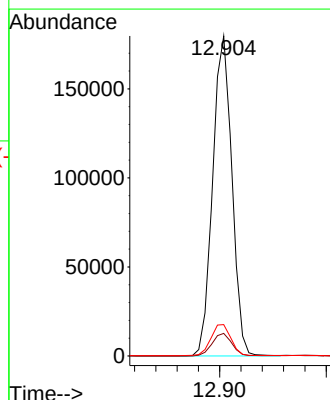
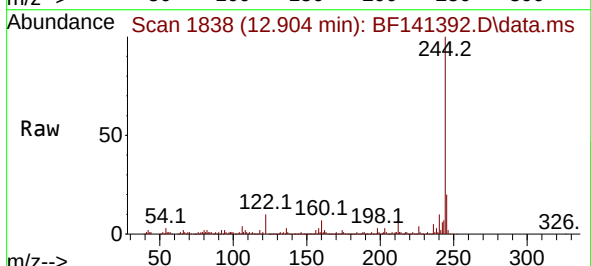
Tgt Ion:244 Resp: 224950

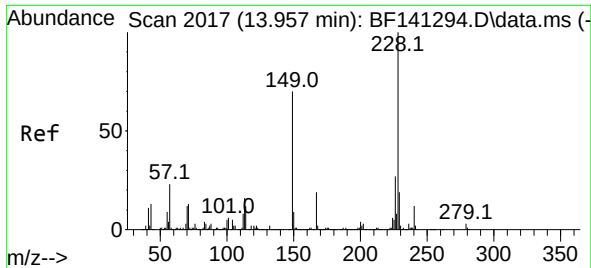
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

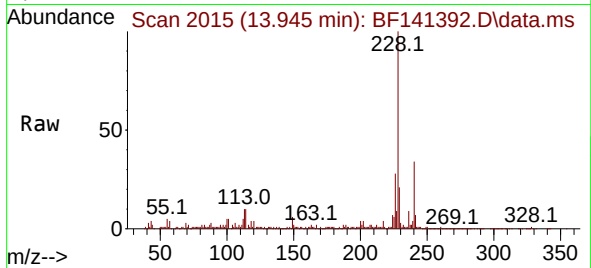
122 9.8 8.8 13.2





#81
Benzo(a)anthracene
Concen: 15.586 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

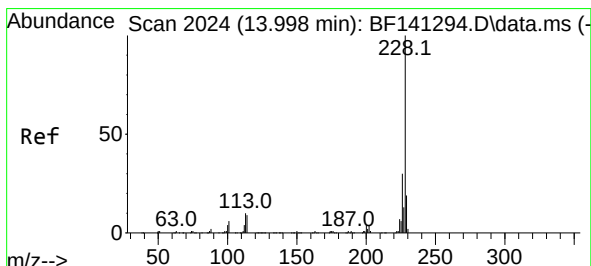
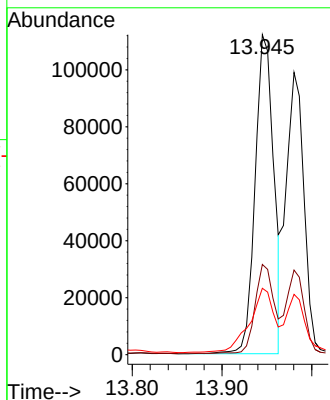
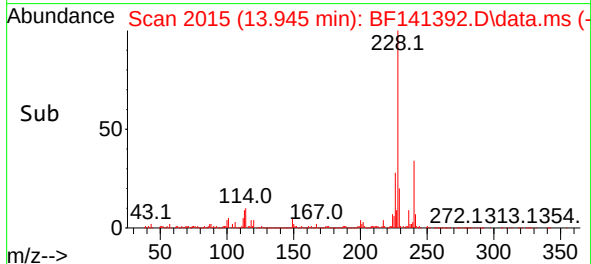
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825



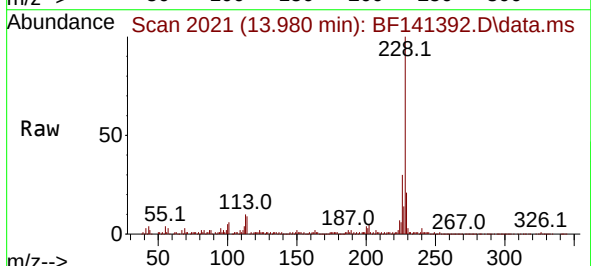
Tgt Ion:228 Resp: 161074
Ion Ratio Lower Upper
228 100
226 28.2 21.4 32.2
229 20.8 15.5 23.3

Manual Integrations
APPROVED

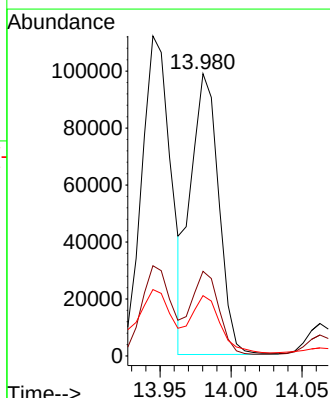
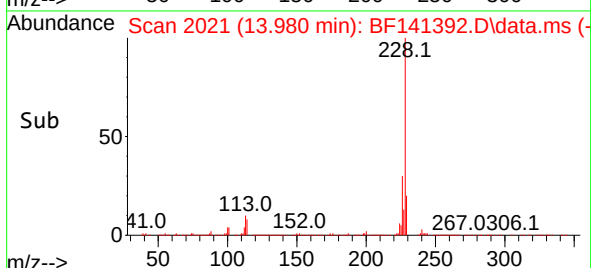
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

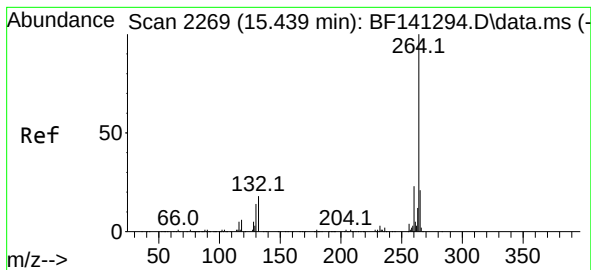


#83
Chrysene
Concen: 14.243 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42



Tgt Ion:228 Resp: 134899
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 21.4 15.6 23.4





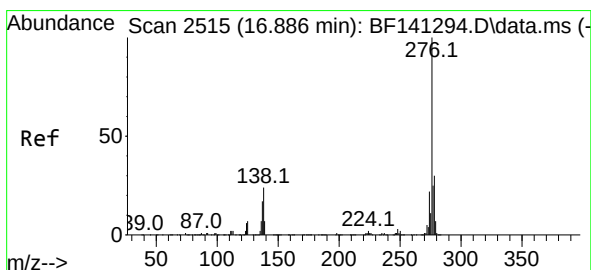
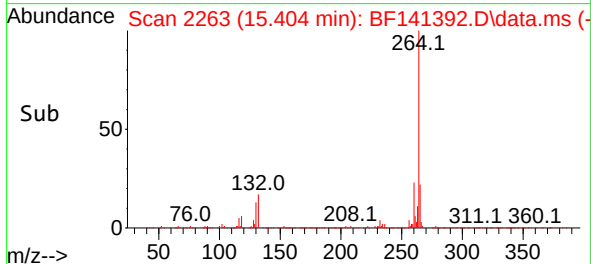
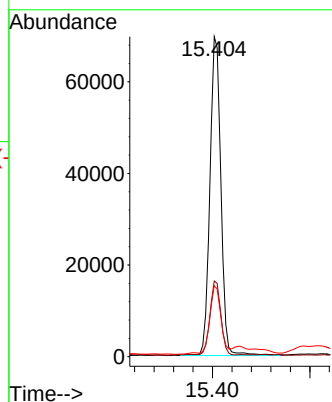
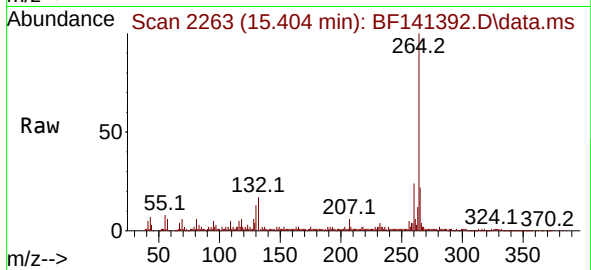
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2107
Delta R.T. -0.035 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

Tgt Ion:264 Resp: 108070
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 22.1 16.7 25.1

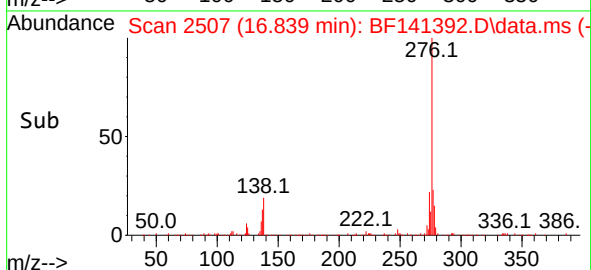
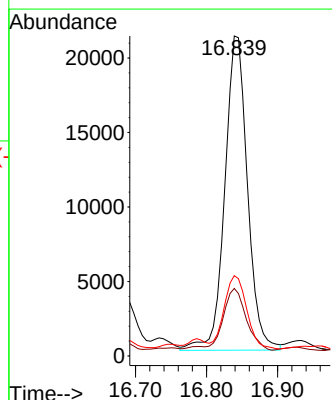
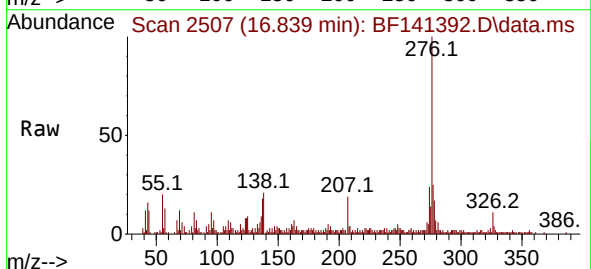
Manual Integrations
APPROVED

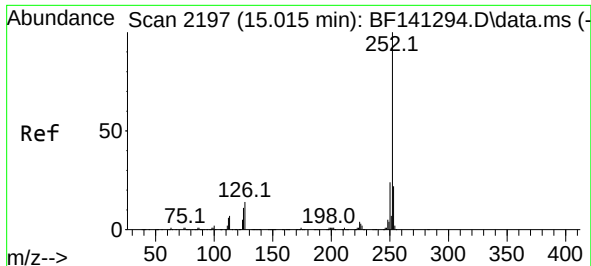
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.717 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.059 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

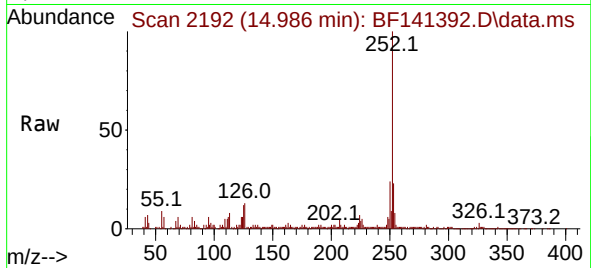
Tgt Ion:276 Resp: 46854
Ion Ratio Lower Upper
276 100
138 20.9 21.7 32.5#
277 23.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 19.017 ng m
RT: 14.986 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

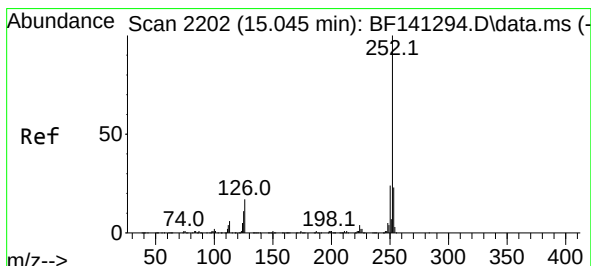
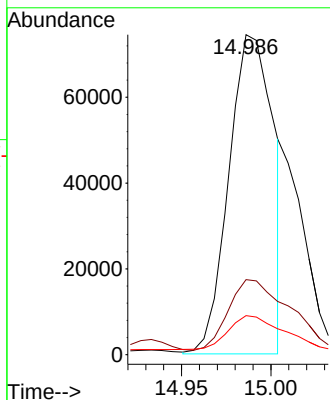
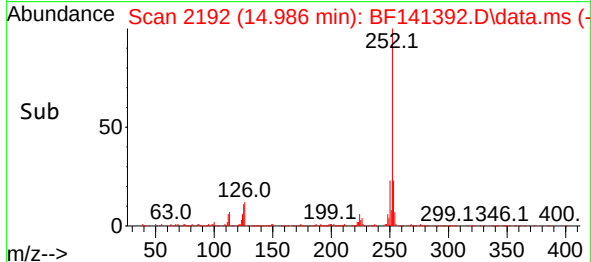
Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825



Tgt Ion:252 Resp: 12927
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 12.2 8.6 12.8

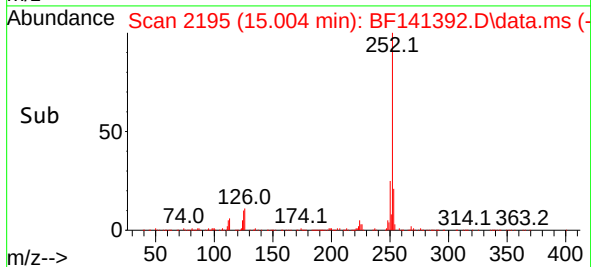
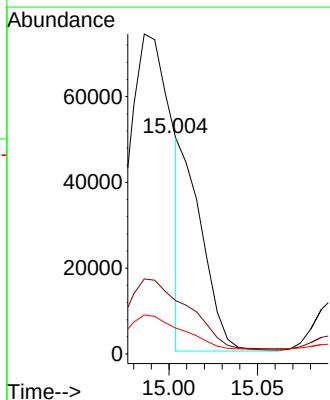
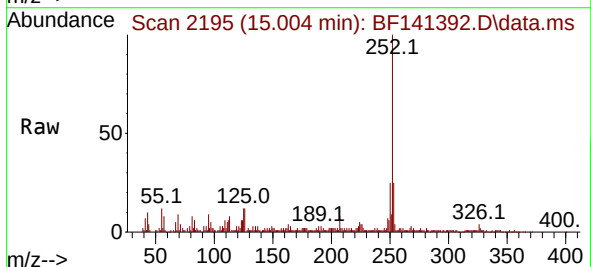
Manual Integrations
APPROVED

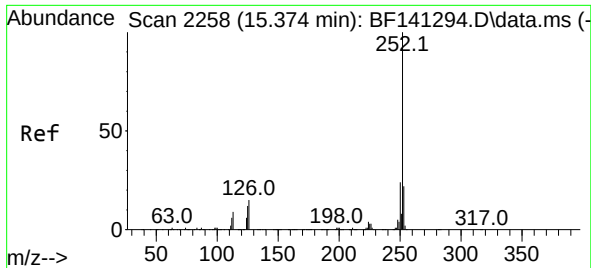
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#89
Benzo(k)fluoranthene
Concen: 6.745 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.047 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Tgt Ion:252 Resp: 40619
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 12.0 8.4 12.6





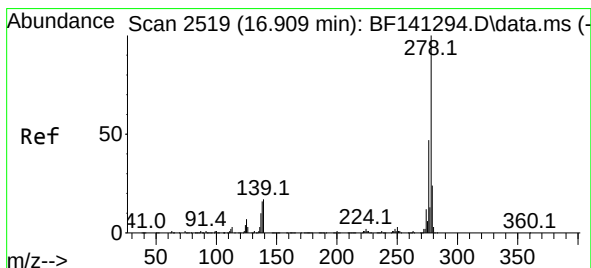
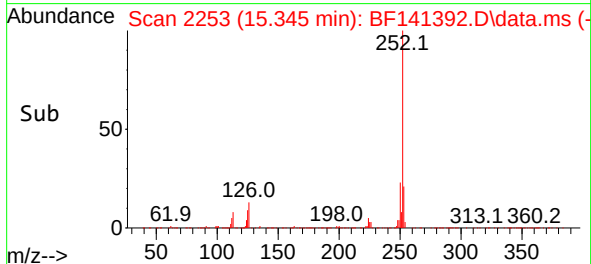
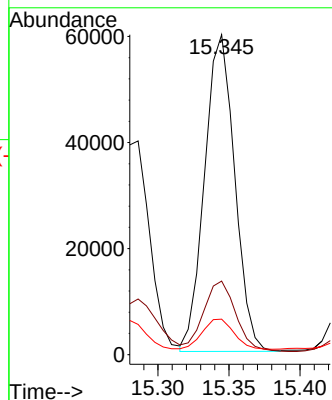
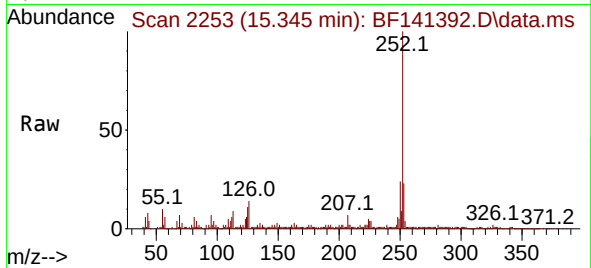
#90
Benzo(a)pyrene
Concen: 15.358 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

Instrument :
BNA_F
ClientSampleId :
JPP-21.2-012825

Tgt Ion:252 Resp: 8822
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 11.1 9.4 14.2

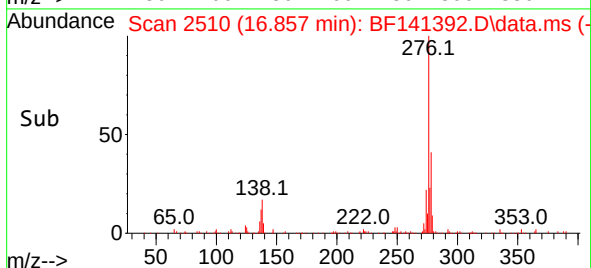
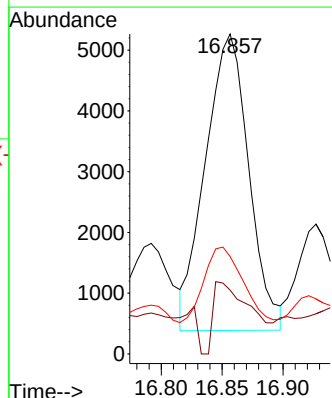
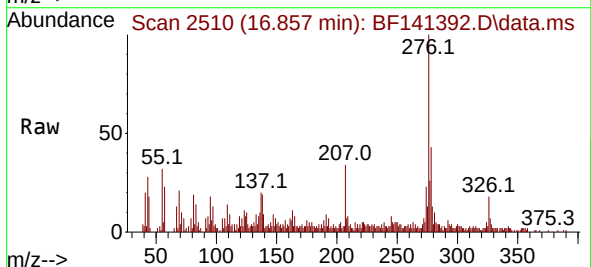
Manual Integrations
APPROVED

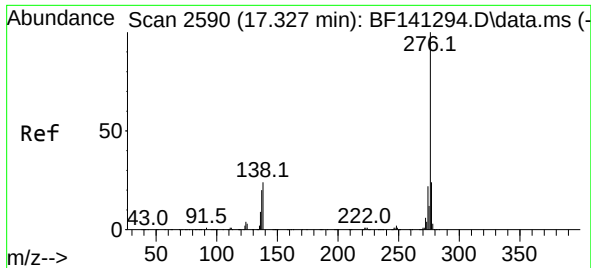
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#91
Dibenzo(a,h)anthracene
Concen: 2.154 ng
RT: 16.857 min Scan# 2510
Delta R.T. -0.065 min
Lab File: BF141392.D
Acq: 04 Feb 2025 01:42

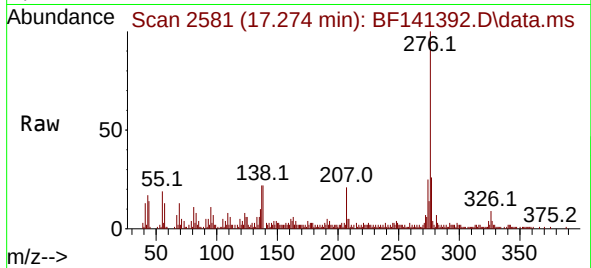
Tgt Ion:278 Resp: 12087
Ion Ratio Lower Upper
278 100
139 20.0 13.9 20.9
279 30.4 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 7.635 ng
 RT: 17.274 min Scan# 2581
 Delta R.T. -0.071 min
 Lab File: BF141392.D
 Acq: 04 Feb 2025 01:42

Instrument :
 BNA_F
 ClientSampleId :
 JPP-21.2-012825



Tgt Ion: 276 Resp: 44549
 Ion Ratio Lower Upper
 276 100
 277 26.3 19.2 28.8
 138 21.6 19.0 28.4

Manual Integrations
 APPROVED

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

