

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141424.D
 Acq On : 04 Feb 2025 22:11
 Operator : RC/JU
 Sample : Q1194-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025

Quant Time: Feb 05 00:35:11 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	6.787	152	70324	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	279899	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	155548	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	272951	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	230042	20.000	ng	-0.02
86) Perylene-d12	15.410	264	197101	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	505129	110.272	ng	0.00
7) Phenol-d6	6.428	99	615541	105.630	ng	-0.01
23) Nitrobenzene-d5	7.351	82	405374	76.349	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	152191	106.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	749004	74.116	ng	-0.02
79) Terphenyl-d14	12.904	244	895307	60.021	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	19323	2.044	ng	94
58) Fluorene	10.375	166	29386	2.993	ng	96
71) Phenanthrene	11.333	178	314087	21.407	ng	100
72) Anthracene	11.386	178	67226	4.676	ng	99
75) Fluoranthene	12.522	202	228292	15.758	ng	98
78) Pyrene	12.751	202	245180	11.103	ng	98
81) Benzo(a)anthracene	13.945	228	96432	6.075	ng	98
83) Chrysene	13.980	228	76948	5.289	ng	98
88) Benzo(b)fluoranthene	14.992	252	57537m	4.641	ng	
90) Benzo(a)pyrene	15.345	252	46939	4.480	ng	97
92) Benzo(g,h,i)perylene	17.268	276	22883	2.150	ng	96

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

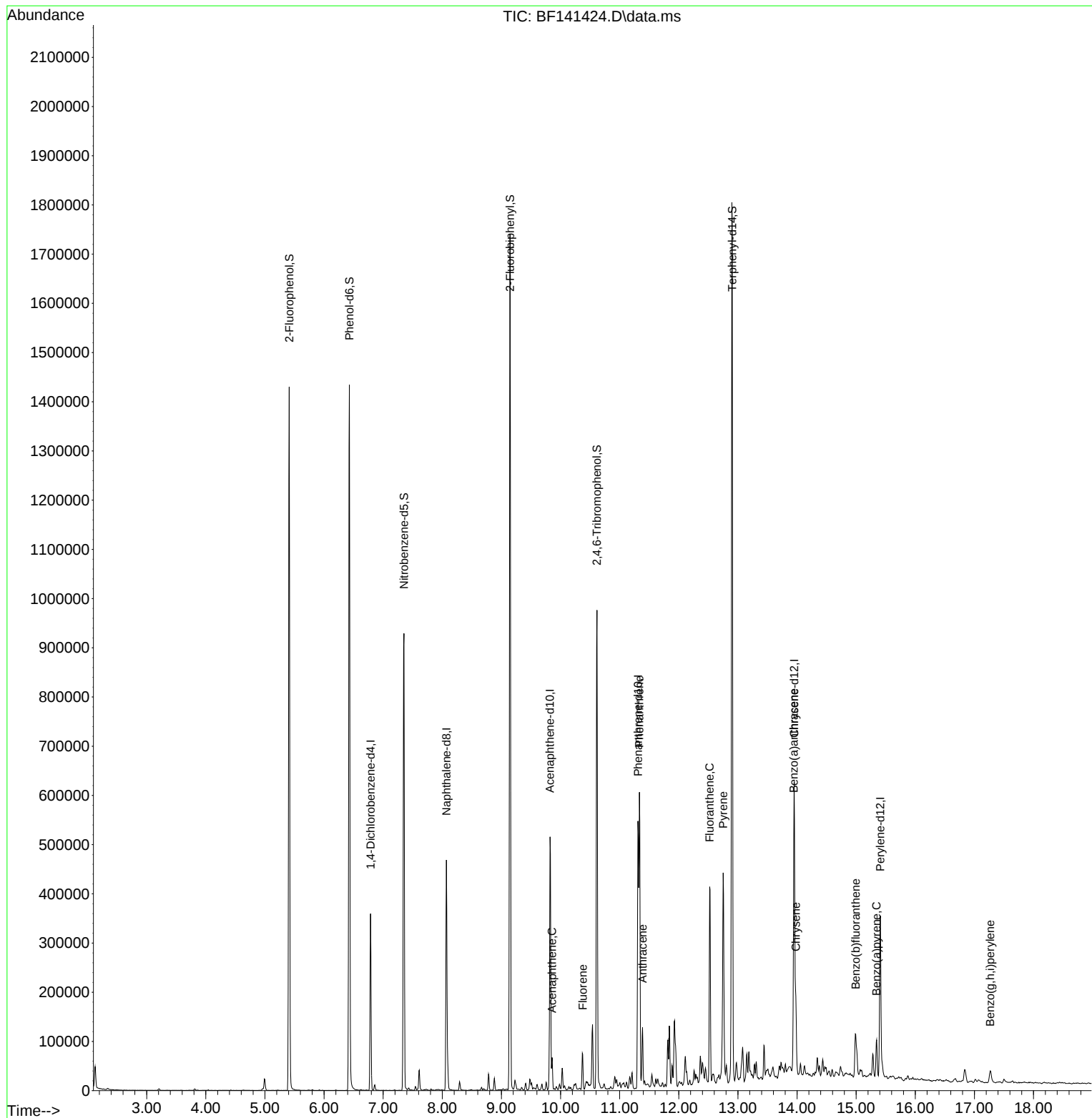
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
Data File : BF141424.D
Acq On : 04 Feb 2025 22:11
Operator : RC/JU
Sample : Q1194-03
Misc :
ALS Vial : 16 Sample Multiplier: 1

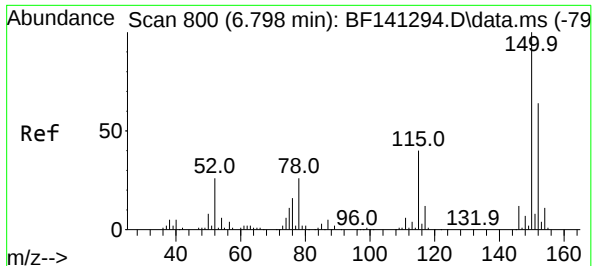
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

Quant Time: Feb 05 00:35:11 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

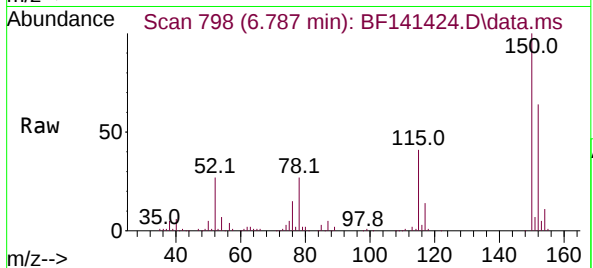
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.017 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

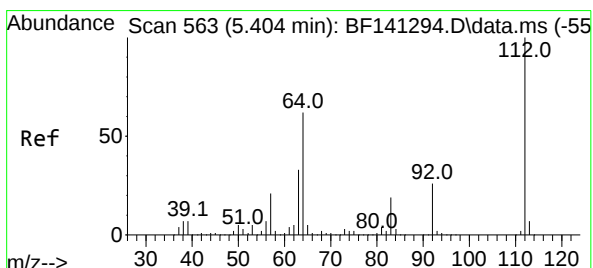
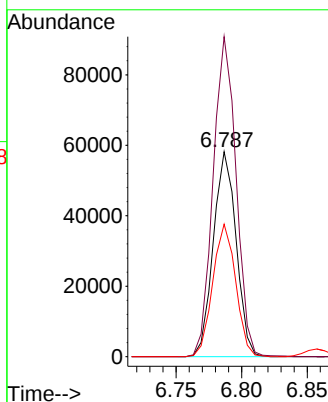
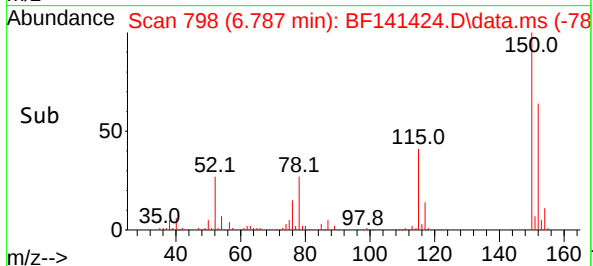
Instrument :
BNA_F
ClientSampleId :
B-113-SB01



Tgt Ion:152 Resp: 70324
Ion Ratio Lower Upper
152 100
150 156.1 125.9 188.9
115 64.6 49.7 74.5

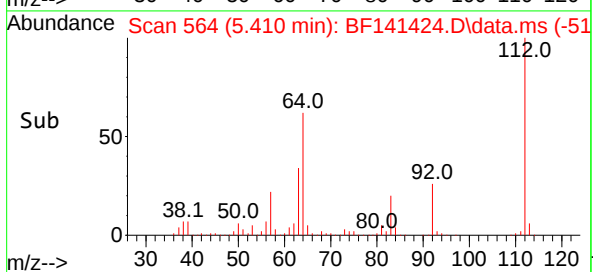
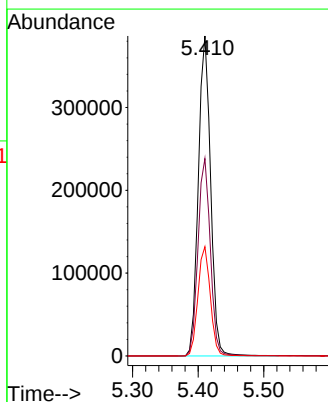
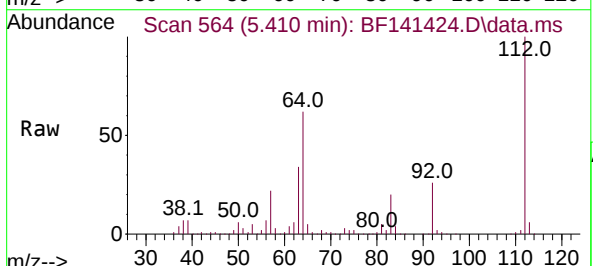
Manual Integrations
APPROVED

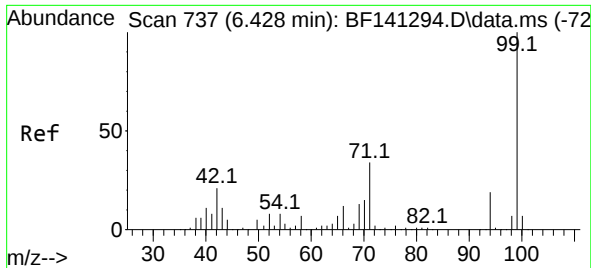
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#5
2-Fluorophenol
Concen: 110.272 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

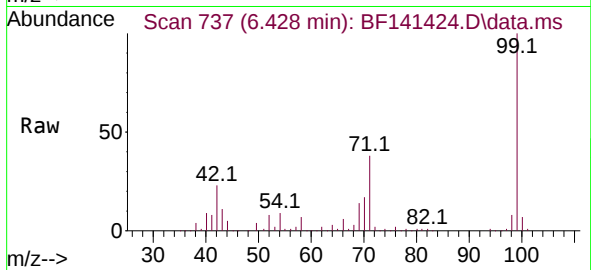
Tgt Ion:112 Resp: 505129
Ion Ratio Lower Upper
112 100
64 61.7 49.8 74.8
63 34.1 26.1 39.1





#7
Phenol-d6
Concen: 105.630 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

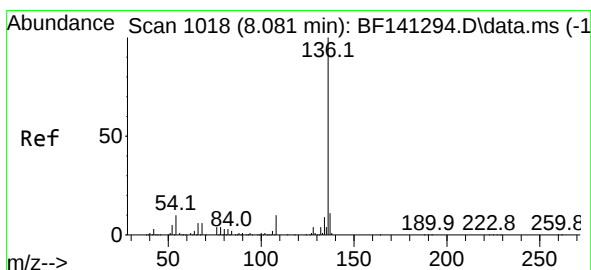
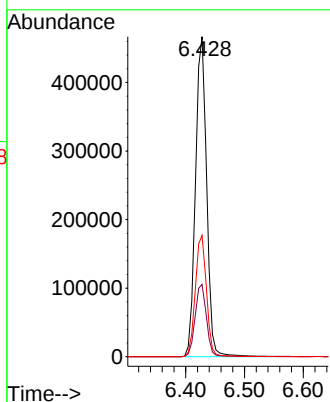
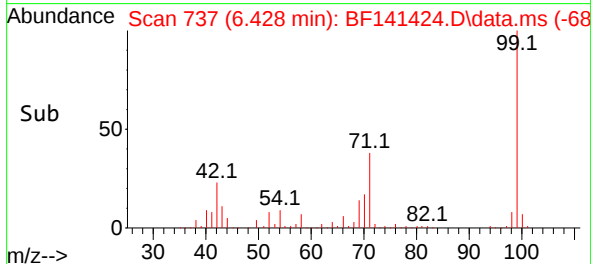
Instrument :
BNA_F
ClientSampleId :
B-113-SB01



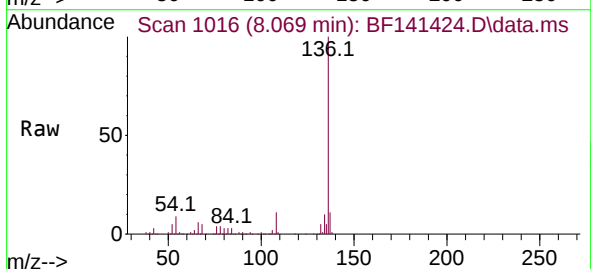
Tgt Ion: 99 Resp: 61554
Ion Ratio Lower Upper
99 100
42 22.6 17.1 25.7
71 37.9 26.9 40.3

Manual Integrations
APPROVED

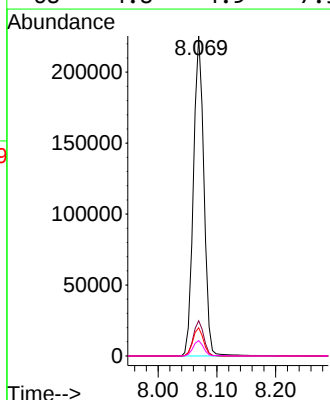
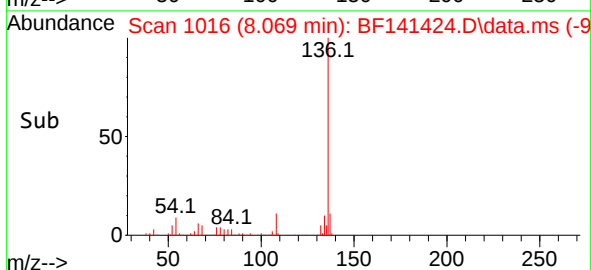
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

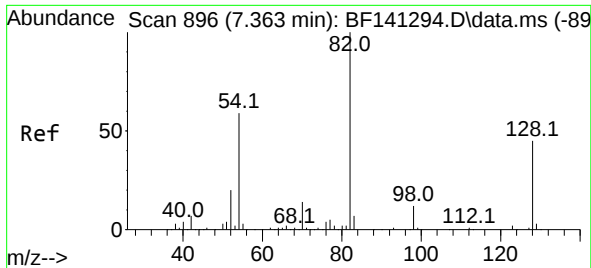


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11



Tgt Ion:136 Resp: 279899
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 7.8 11.8
68 4.8 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 76.349 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

Tgt Ion: 82 Resp: 405374

Ion Ratio Lower Upper

82 100

128 43.8 35.7 53.5

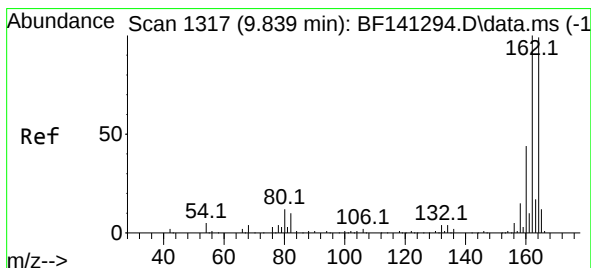
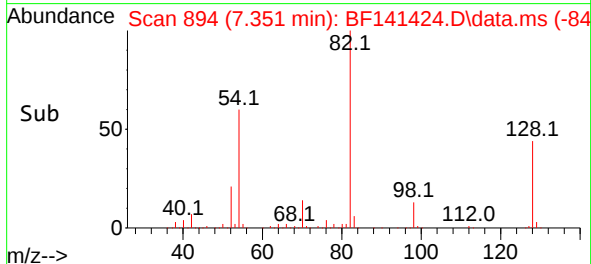
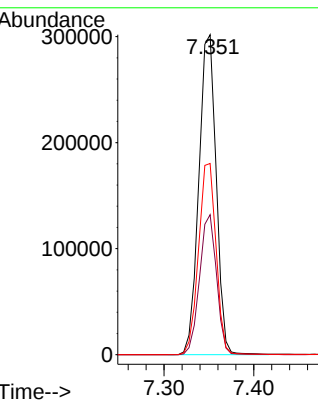
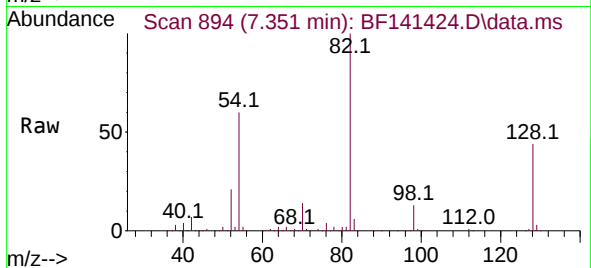
54 59.8 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

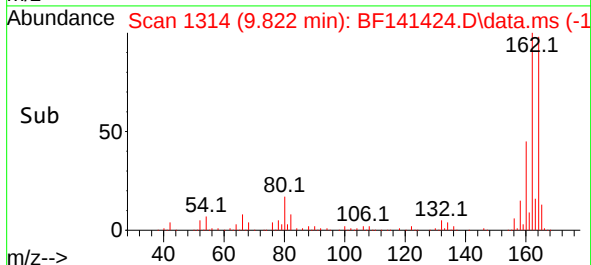
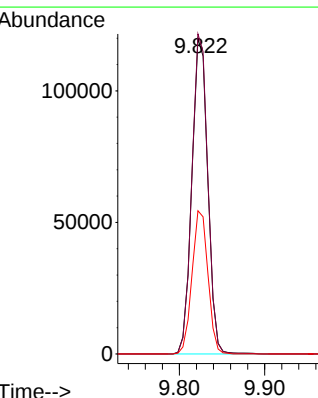
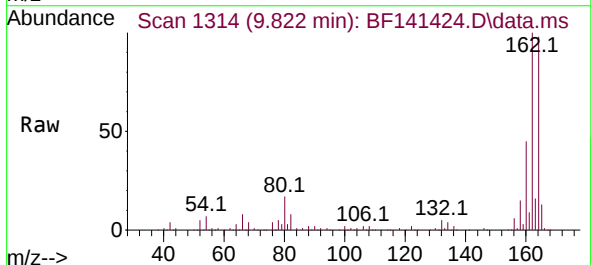
Tgt Ion:164 Resp: 155548

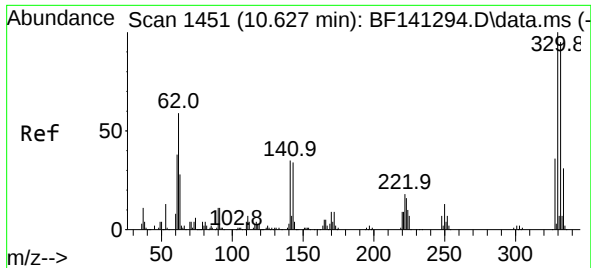
Ion Ratio Lower Upper

164 100

162 101.6 80.6 121.0

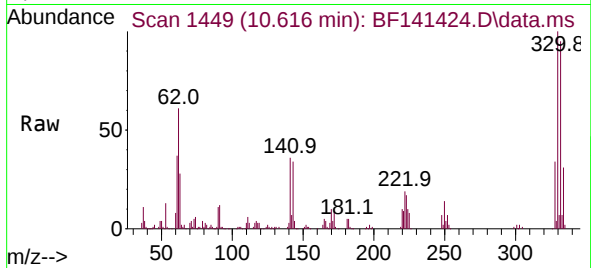
160 45.5 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 106.725 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

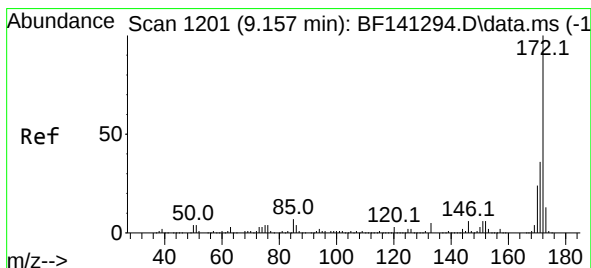
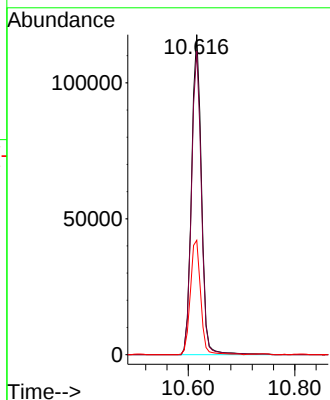
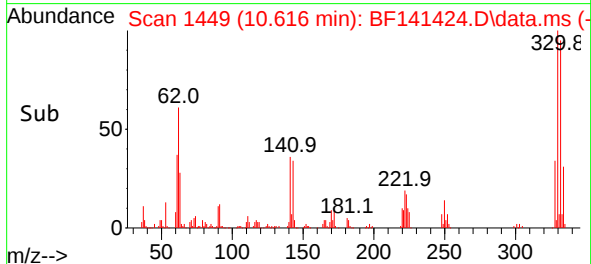
Instrument :
BNA_F
ClientSampleId :
B-113-SB01



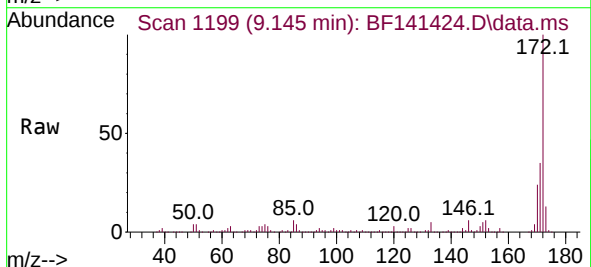
Tgt Ion: 330 Resp: 15219
Ion Ratio Lower Upper
330 100
332 94.7 76.1 114.1
141 37.3 28.8 43.2

Manual Integrations
APPROVED

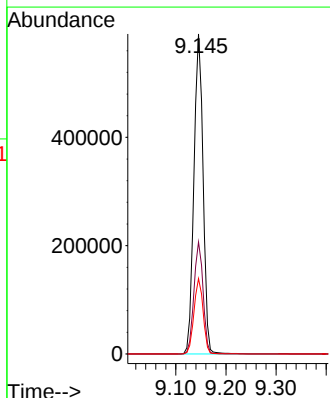
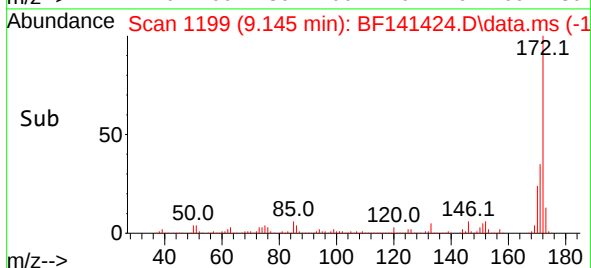
Reviewed By : Yogesh Patel 02/05/2025
Supervised By : mohammad ahmed 02/05/2025

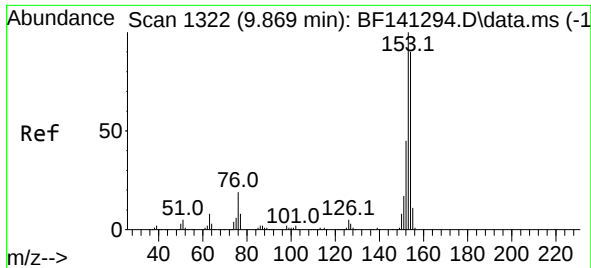


#45
2-Fluorobiphenyl
Concen: 74.116 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11



Tgt Ion: 172 Resp: 749004
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.5 19.0 28.6





#52
Acenaphthene
Concen: 2.044 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

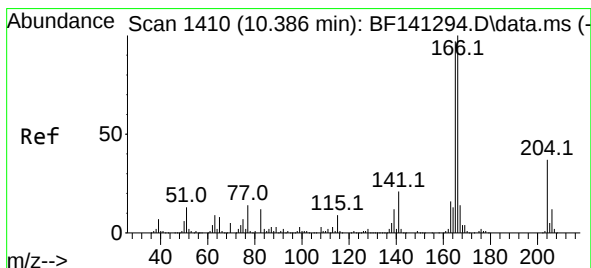
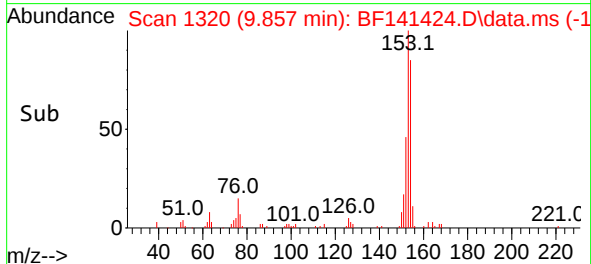
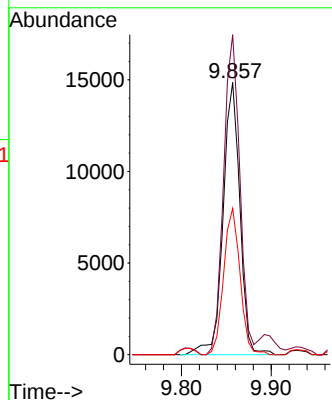
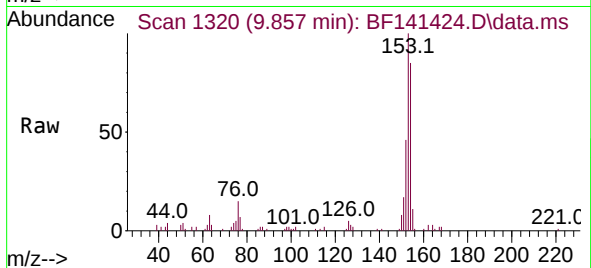
B-113-SB01

Tgt Ion:154 Resp: 1932
Ion Ratio Lower Upper
154 100
153 117.6 89.0 133.4
152 53.7 40.2 60.4

Manual Integrations

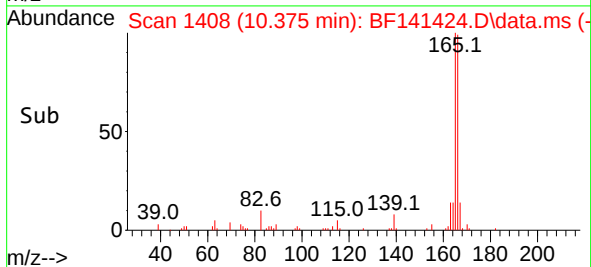
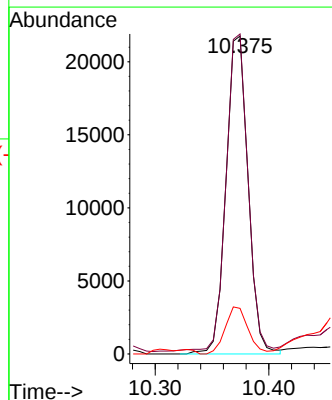
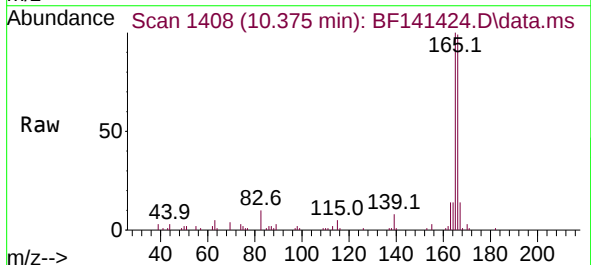
APPROVED

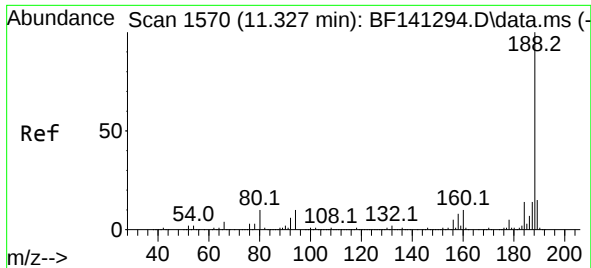
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025



#58
Fluorene
Concen: 2.993 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

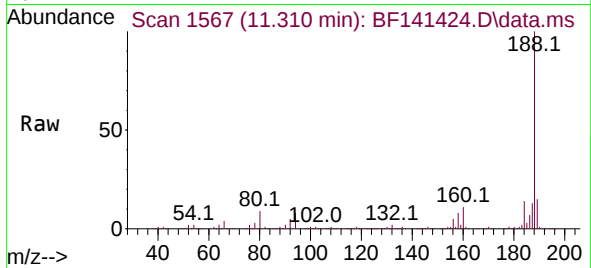
Tgt Ion:166 Resp: 29386
Ion Ratio Lower Upper
166 100
165 100.7 77.5 116.3
167 14.4 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

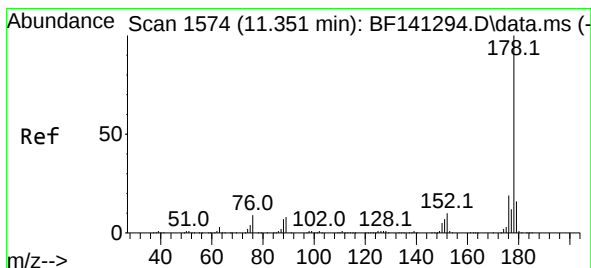
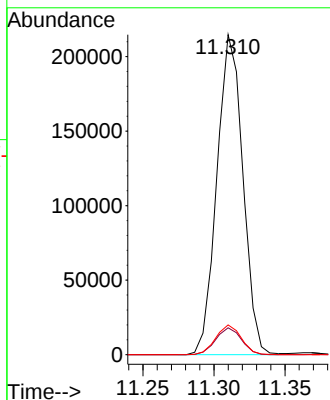
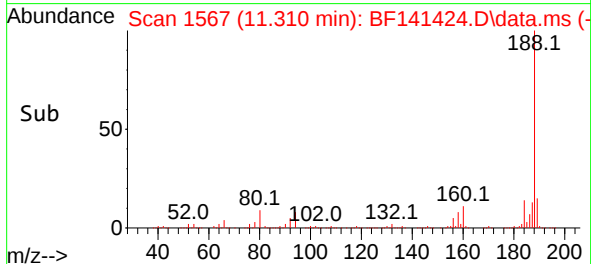
Instrument :
BNA_F
ClientSampleId :
B-113-SB01



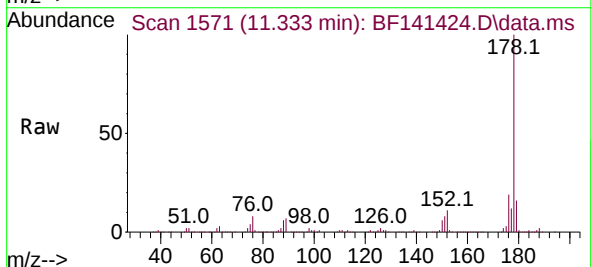
Tgt Ion:188 Resp: 27295
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.3 8.2 12.4

Manual Integrations
APPROVED

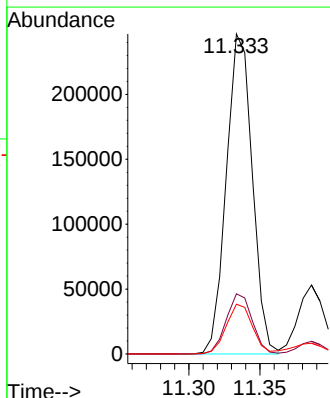
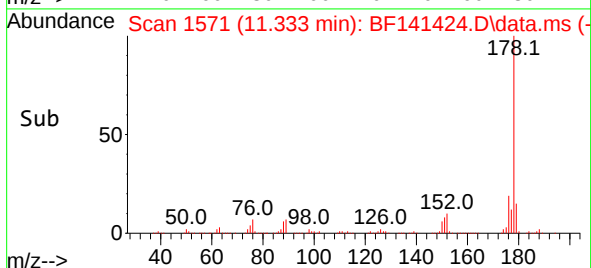
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

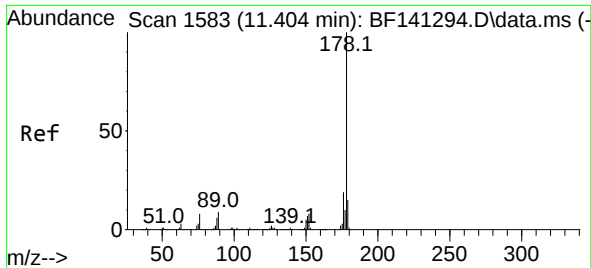


#71
Phenanthrene
Concen: 21.407 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11



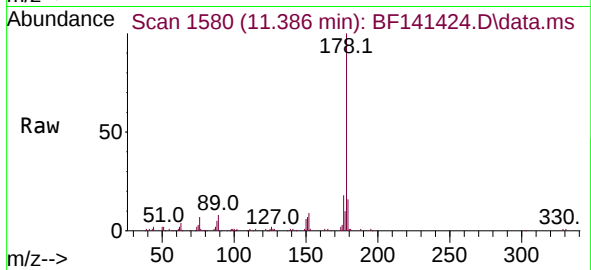
Tgt Ion:178 Resp: 314087
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.5 12.5 18.7





#72
 Anthracene
 Concen: 4.676 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141424.D
 Acq: 04 Feb 2025 22:11

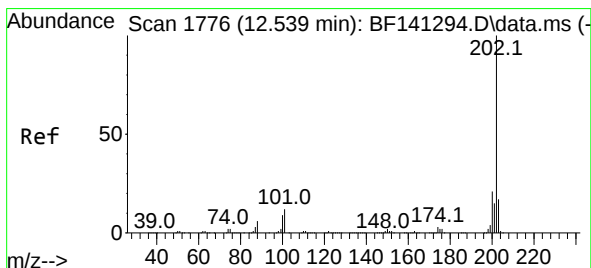
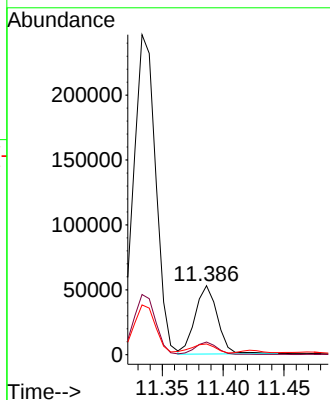
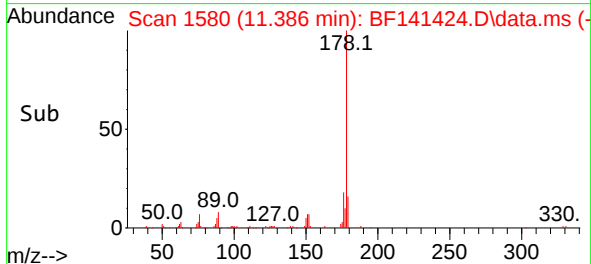
Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01



Tgt Ion:178 Resp: 67220
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.6
 179 15.6 12.3 18.5

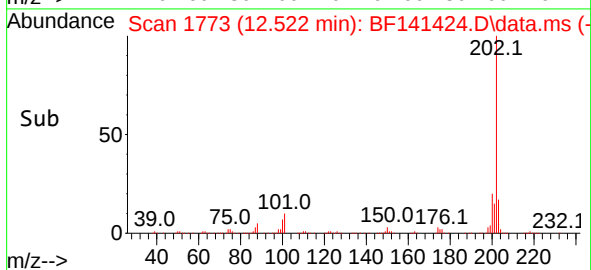
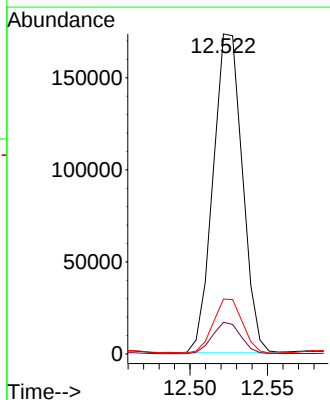
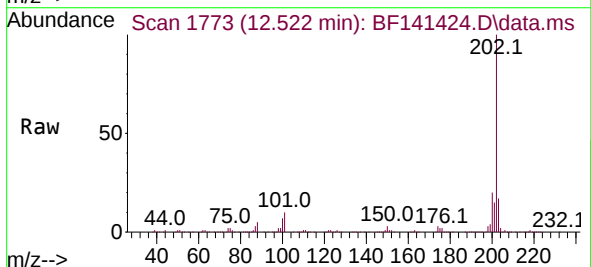
Manual Integrations
 APPROVED

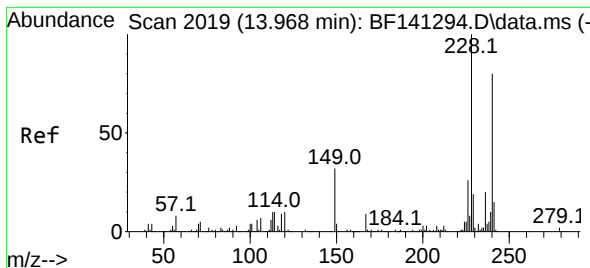
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#75
 Fluoranthene
 Concen: 15.758 ng
 RT: 12.522 min Scan# 1773
 Delta R.T. -0.018 min
 Lab File: BF141424.D
 Acq: 04 Feb 2025 22:11

Tgt Ion:202 Resp: 228292
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.7
 203 17.1 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.024 min

Lab File: BF141424.D

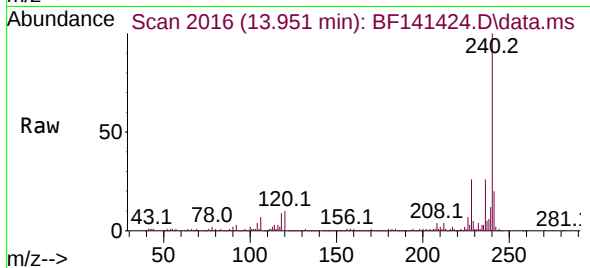
Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01



Tgt Ion:240 Resp: 23004

Ion Ratio Lower Upper

240 100

120 10.2 10.0 15.0

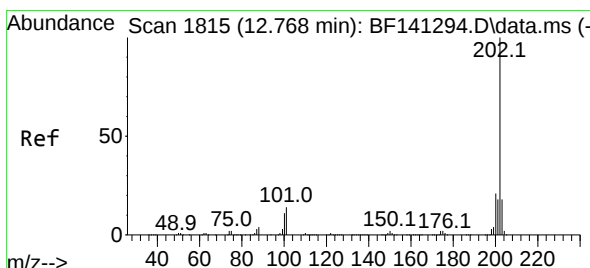
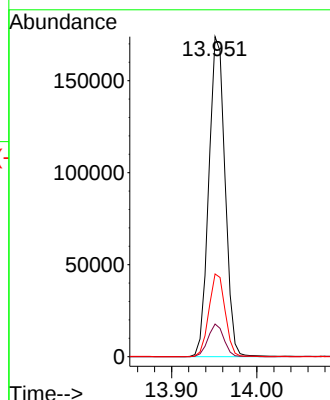
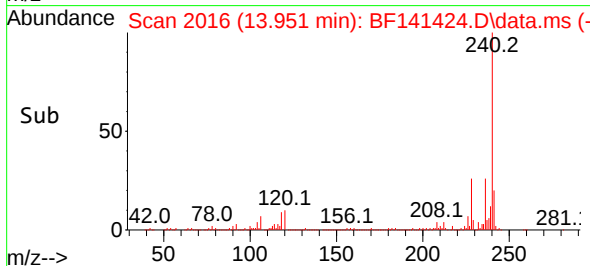
236 25.8 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#78

Pyrene

Concen: 11.103 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

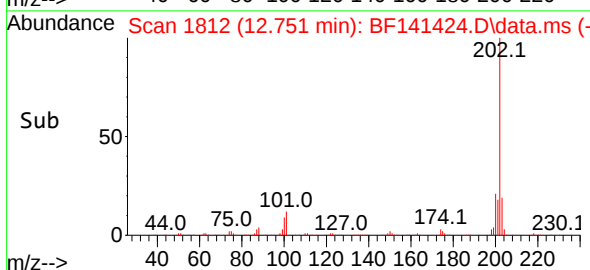
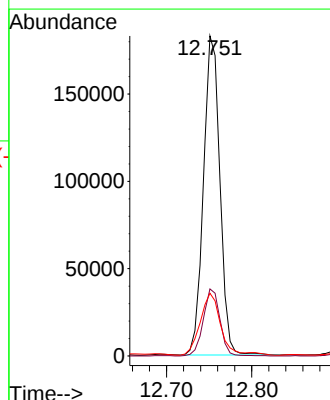
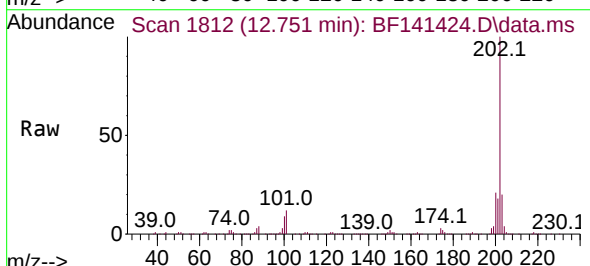
Tgt Ion:202 Resp: 245180

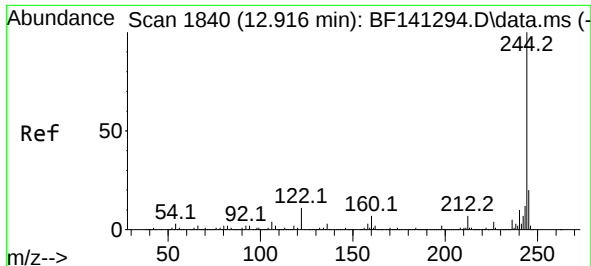
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

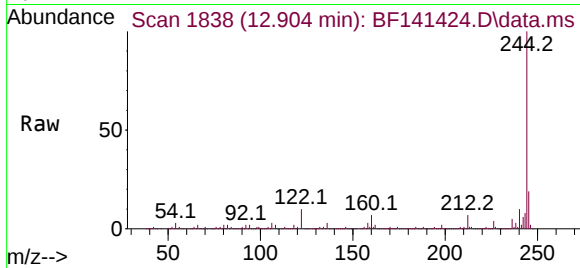
203 19.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 60.021 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141424.D
 Acq: 04 Feb 2025 22:11

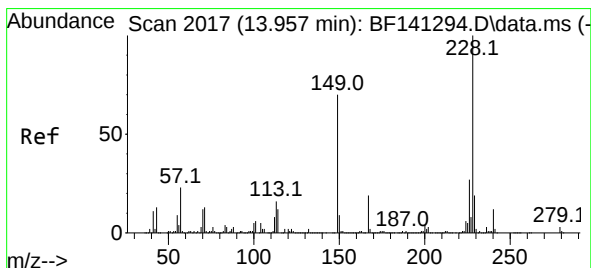
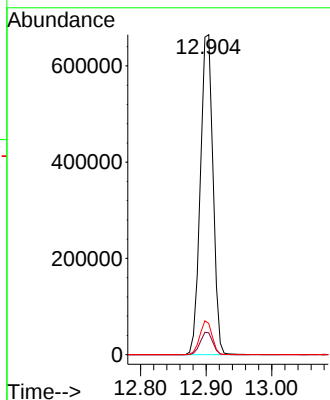
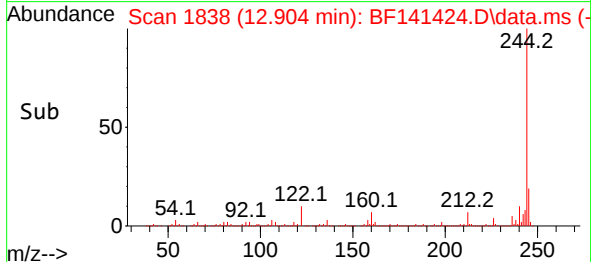
Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01



Tgt Ion:244 Resp: 89530
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 9.8 8.8 13.2

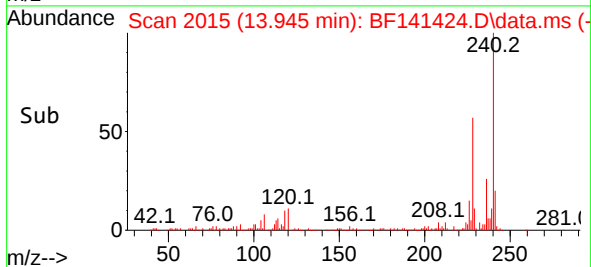
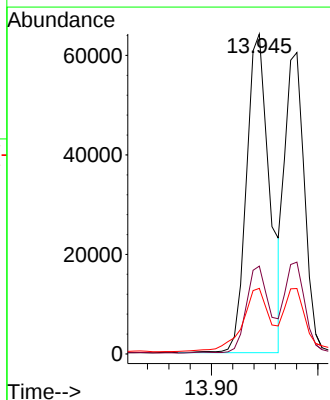
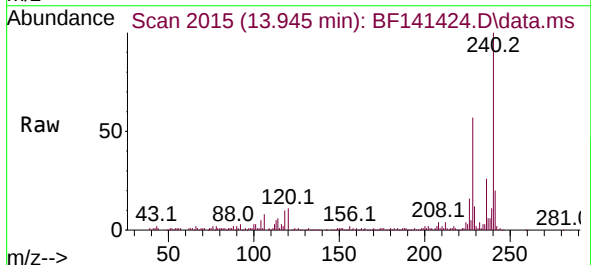
Manual Integrations
 APPROVED

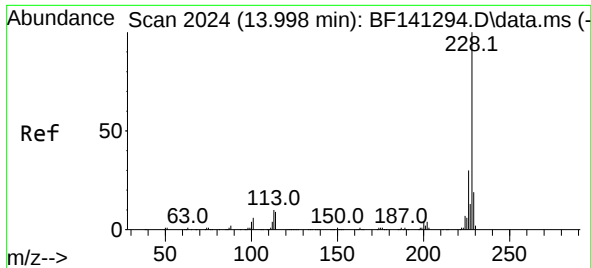
Reviewed By :Yogesh Patel 02/05/2025
 Supervised By :mohammad ahmed 02/05/2025



#81
 Benzo(a)anthracene
 Concen: 6.075 ng
 RT: 13.945 min Scan# 2015
 Delta R.T. -0.018 min
 Lab File: BF141424.D
 Acq: 04 Feb 2025 22:11

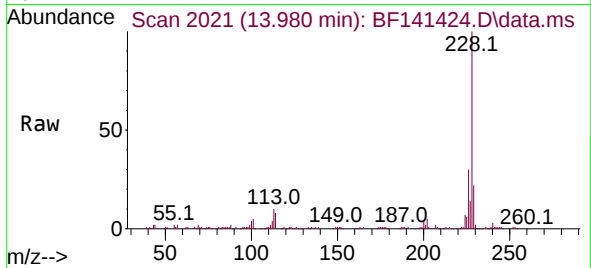
Tgt Ion:228 Resp: 96432
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.4 32.2
 229 20.5 15.5 23.3





#83
Chrysene
Concen: 5.289 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

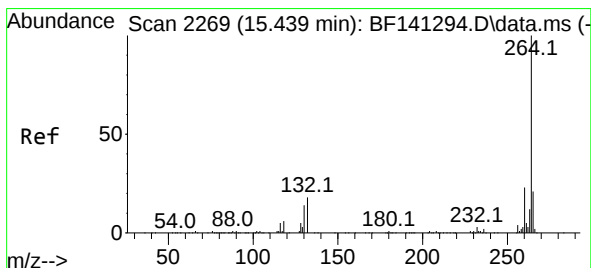
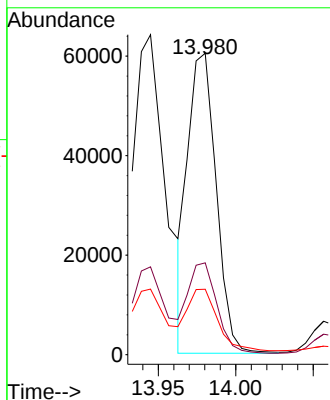
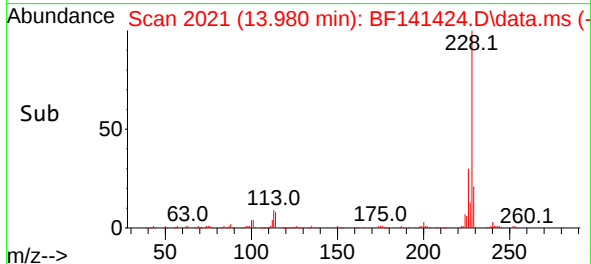
Instrument :
BNA_F
ClientSampleId :
B-113-SB01



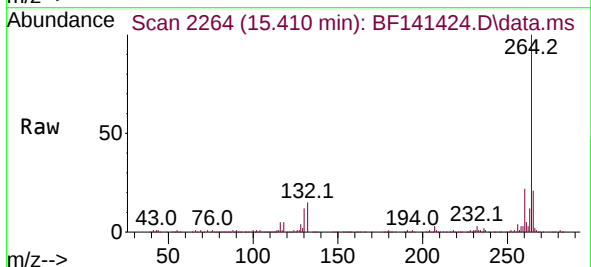
Tgt Ion:228 Resp: 76948
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.7 15.6 23.4

Manual Integrations
APPROVED

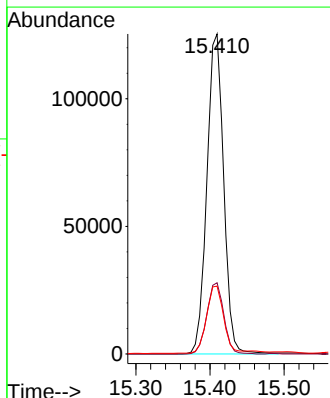
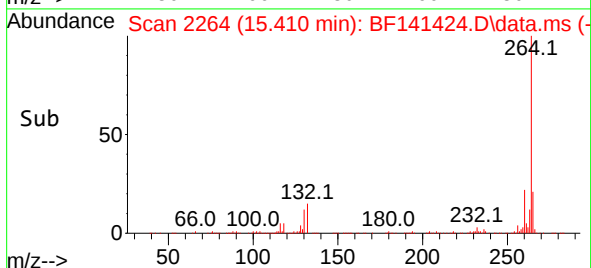
Reviewed By :Yogesh Patel 02/05/2025
Supervised By :mohammad ahmed 02/05/2025

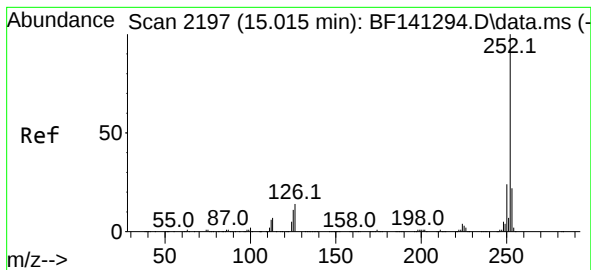


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.029 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11



Tgt Ion:264 Resp: 197101
Ion Ratio Lower Upper
264 100
260 22.2 18.6 27.8
265 21.2 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 4.641 ng m

RT: 14.992 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

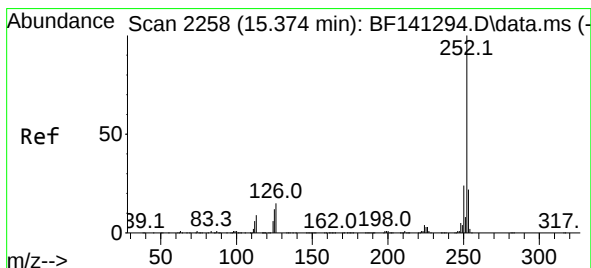
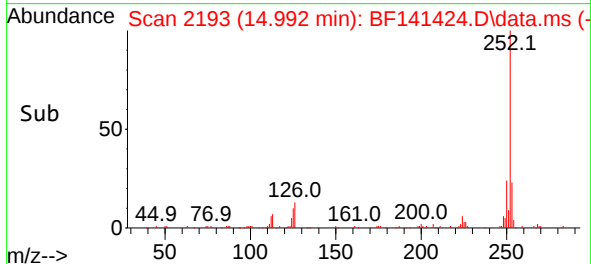
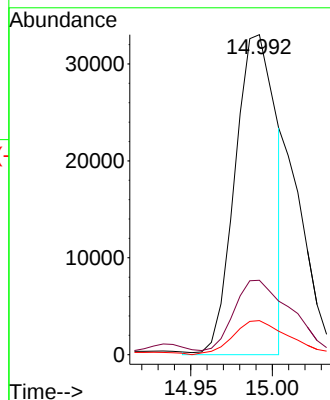
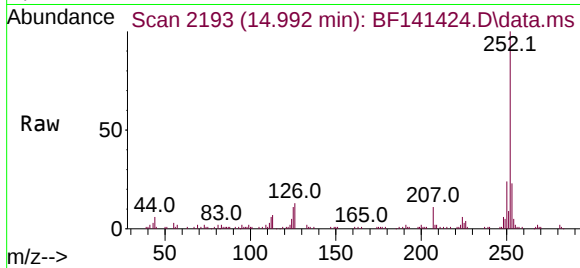
Tgt Ion:252 Resp: 5753
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.4 26.2
 125 10.6 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025



#90

Benzo(a)pyrene

Concen: 4.480 ng

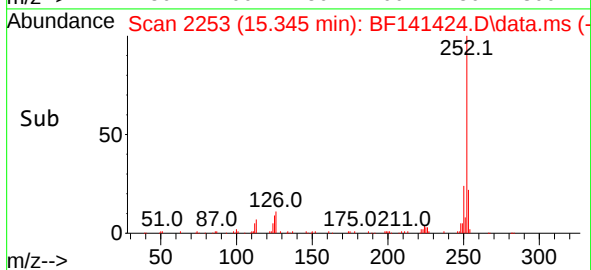
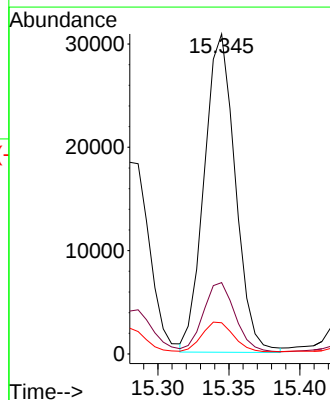
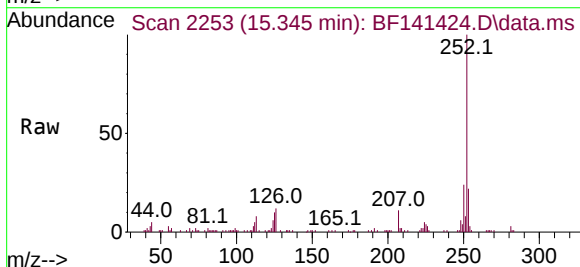
RT: 15.345 min Scan# 2253

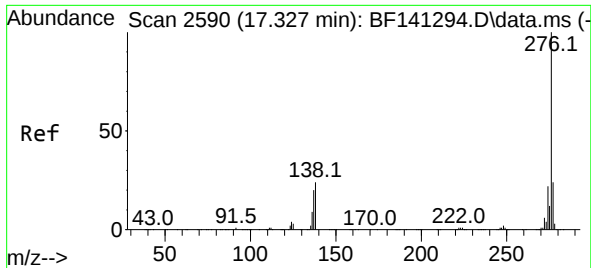
Delta R.T. -0.035 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Tgt Ion:252 Resp: 46939
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.2 25.8
 125 9.8 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 2.150 ng

RT: 17.268 min Scan# 21

Delta R.T. -0.077 min

Lab File: BF141424.D

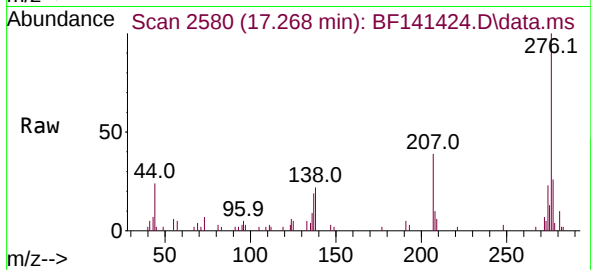
Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01



Tgt Ion:276 Resp: 2288

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 22.2 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/05/2025

Supervised By :mohammad ahmed 02/05/2025

