

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
 Data File : BF141396.D
 Acq On : 04 Feb 2025 03:28
 Operator : RC/JU
 Sample : Q1254-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-01312025

Manual Integrations
 APPROVED

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

Quant Time: Feb 04 04:33:15 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	88636	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	318186	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	139700	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	223849	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	161564	20.000	ng	-0.02
86) Perylene-d12	15.410	264	117327	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	48455	8.393	ng	0.01
7) Phenol-d6	6.440	99	60164	8.191	ng	0.00
23) Nitrobenzene-d5	7.351	82	36137	5.987	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	10180	7.949	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	64436	7.099	ng	-0.01
79) Terphenyl-d14	12.904	244	62838	5.998	ng	-0.01
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.886	142	23757	2.264	ng	95
58) Fluorene	10.380	166	24636	2.794	ng	91
71) Phenanthrene	11.339	178	146161	12.147	ng	99
72) Anthracene	11.392	178	24828	2.106	ng	98
75) Fluoranthene	12.527	202	103996	8.753	ng	98
78) Pyrene	12.757	202	126281	8.143	ng	98
81) Benzo(a)anthracene	13.945	228	39166	3.513	ng	# 88
83) Chrysene	13.980	228	40934	4.006	ng	# 89
88) Benzo(b)fluoranthene	14.992	252	22544m	3.055	ng	
90) Benzo(a)pyrene	15.345	252	20018	3.210	ng	# 73

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

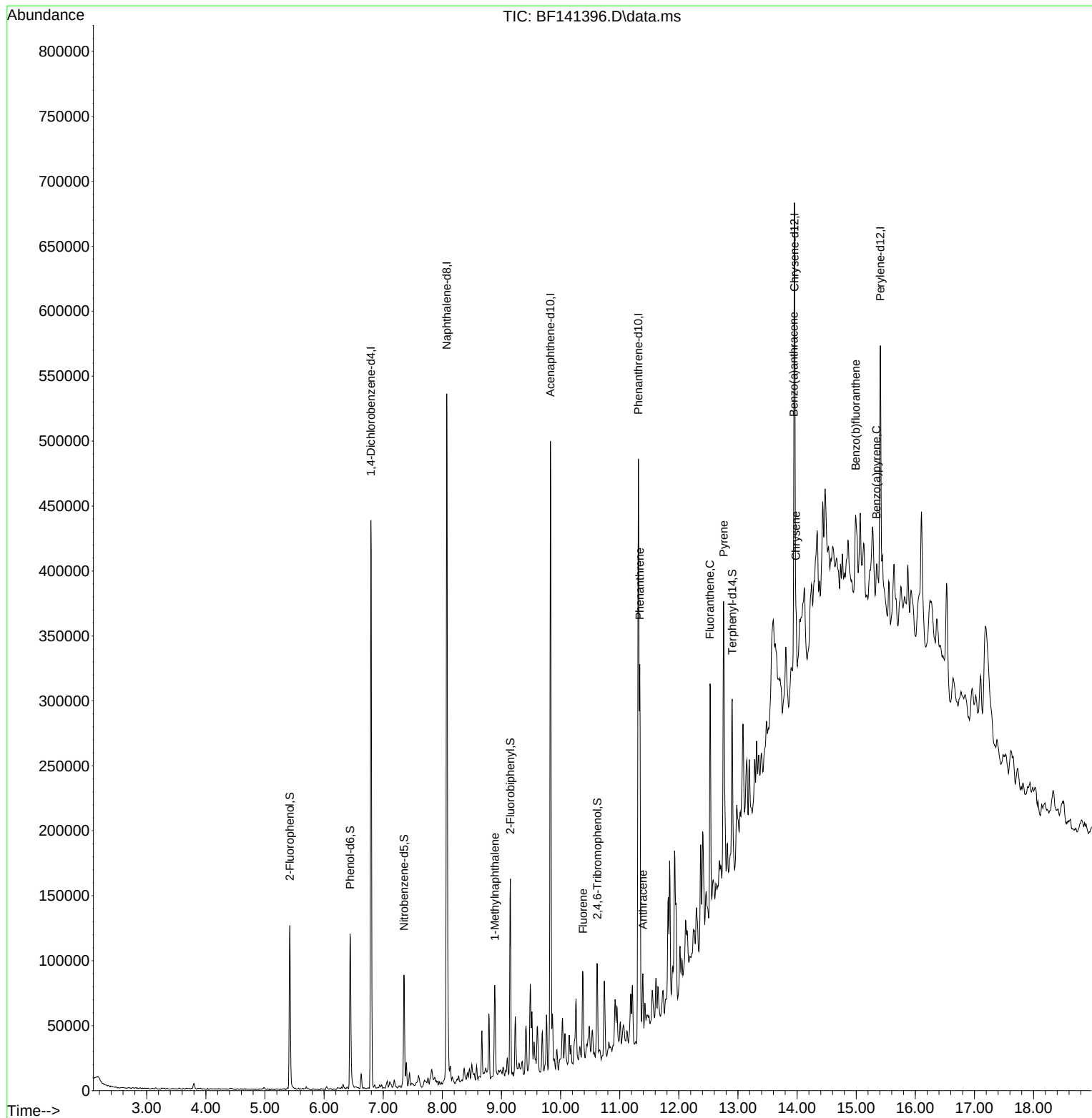
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020325\
Data File : BF141396.D
Acq On : 04 Feb 2025 03:28
Operator : RC/JU
Sample : Q1254-01 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

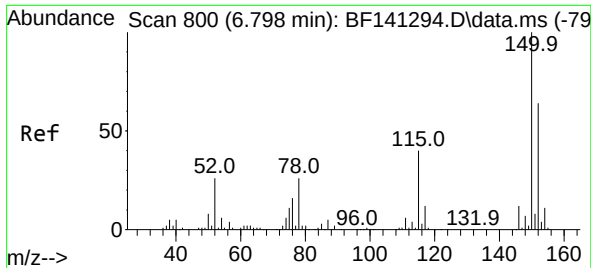
Instrument :
BNA_F
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OK-02-01312025

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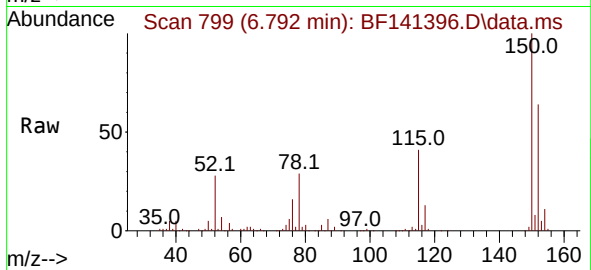
Quant Time: Feb 04 04:33:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

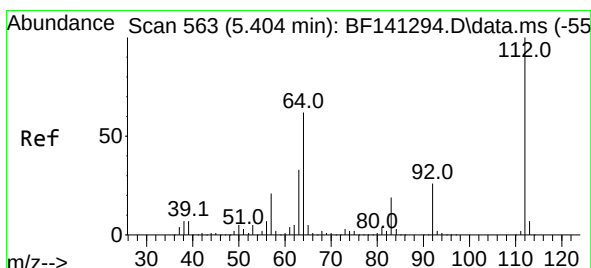
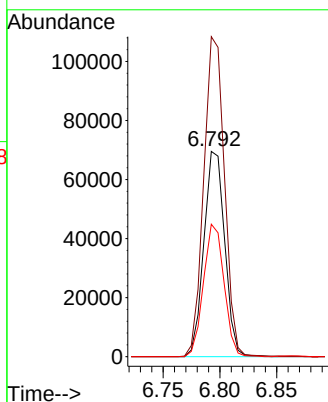
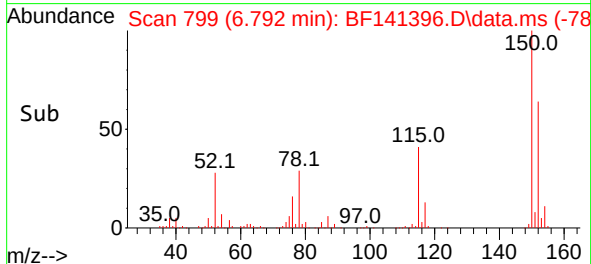
Instrument :
BNA_F
ClientSampleId :
OK-02-01312025



Tgt Ion:152 Resp: 88630
Ion Ratio Lower Upper
152 100
150 155.8 125.9 188.9
115 64.5 49.7 74.5

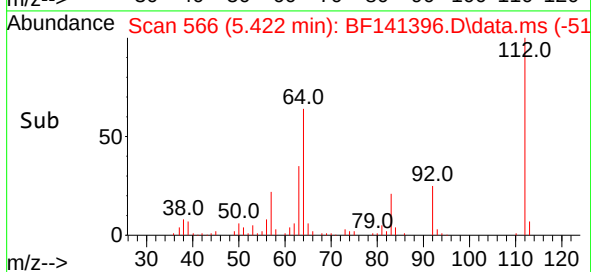
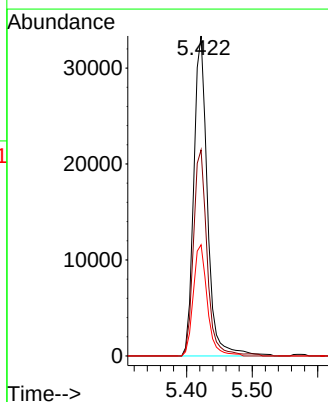
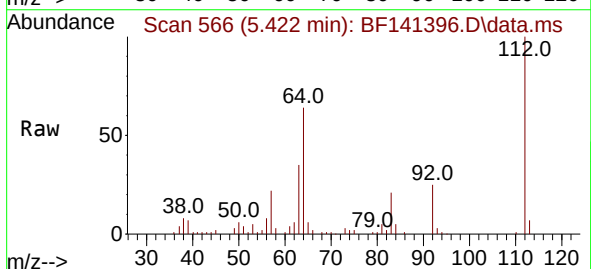
Manual Integrations
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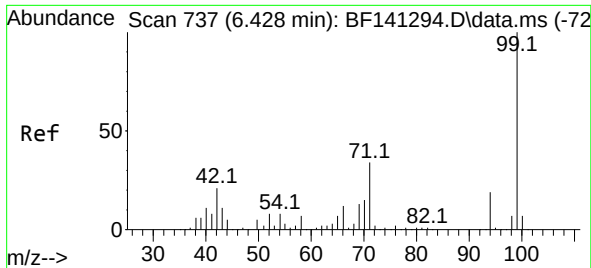
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#5
2-Fluorophenol
Concen: 8.393 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

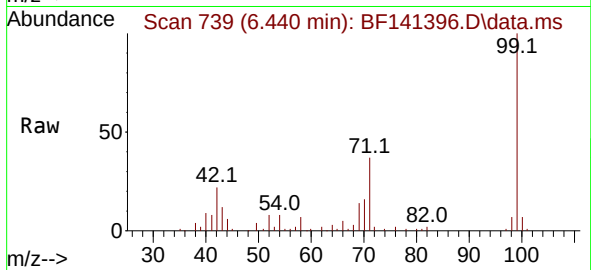
Tgt Ion:112 Resp: 48455
Ion Ratio Lower Upper
112 100
64 64.4 49.8 74.8
63 34.8 26.1 39.1





#7
Phenol-d6
Concen: 8.191 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

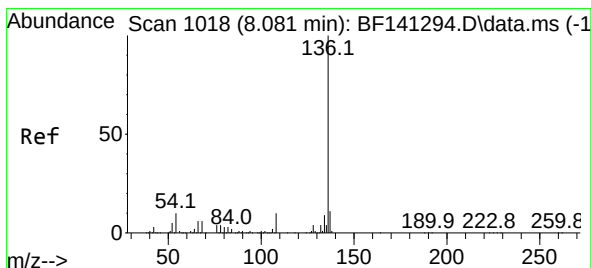
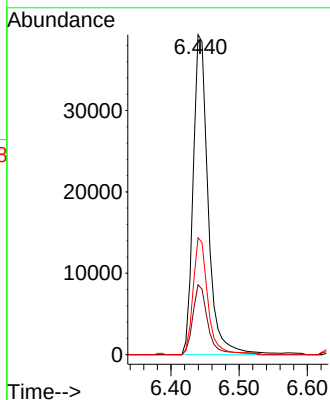
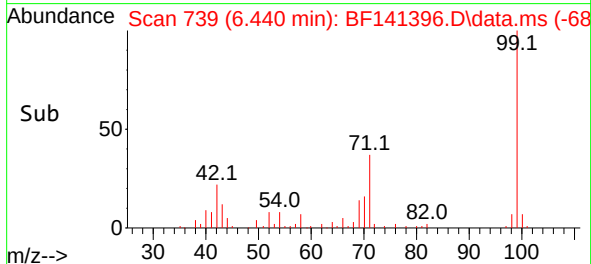
Instrument :
BNA_F
ClientSampleId :
OK-02-01312025



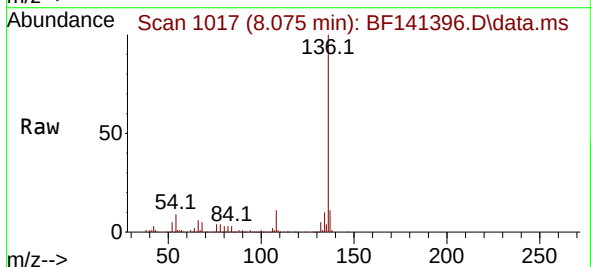
Tgt Ion: 99 Resp: 60164
Ion Ratio Lower Upper
99 100
42 21.9 17.1 25.7
71 36.5 26.9 40.3

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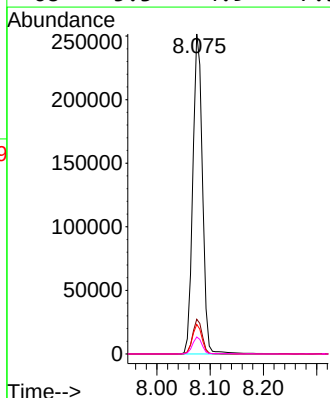
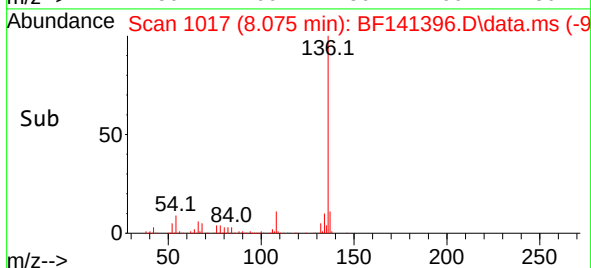
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

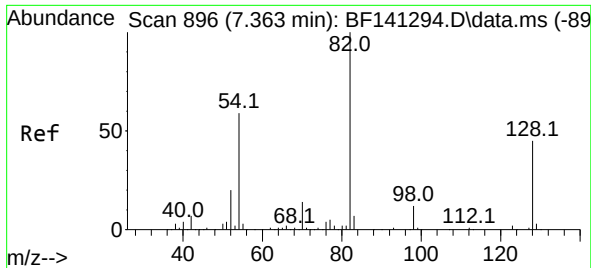


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28



Tgt Ion:136 Resp: 318186
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.2 7.8 11.8
68 5.3 4.9 7.3





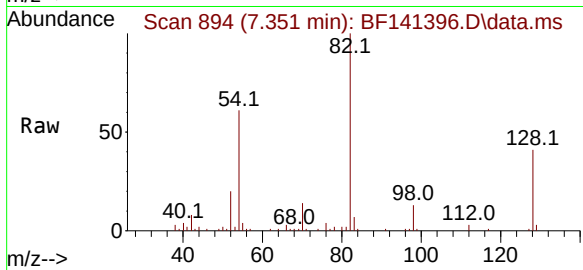
#23
Nitrobenzene-d5
Concen: 5.987 ng
RT: 7.351 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

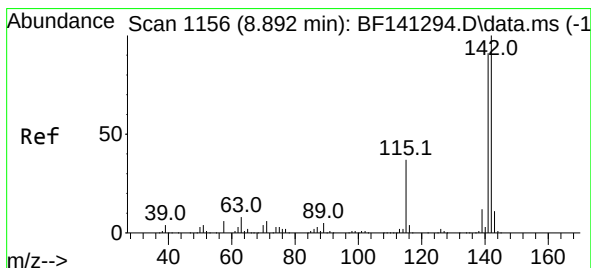
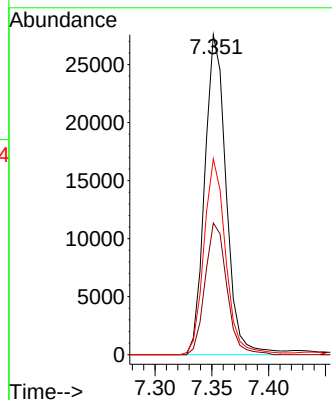
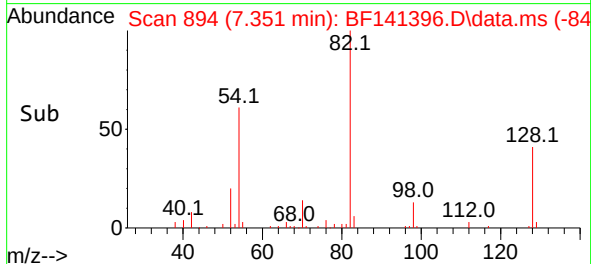


Tgt Ion: 82 Resp: 3613
Ion Ratio Lower Upper
82 100
128 41.1 35.7 53.5
54 61.2 47.1 70.7

Manual Integrations

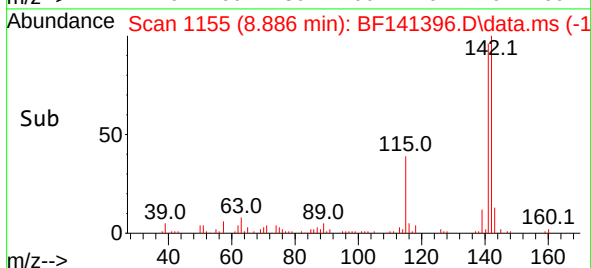
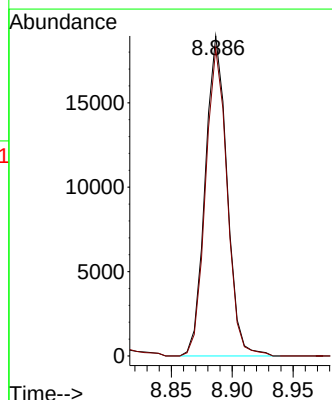
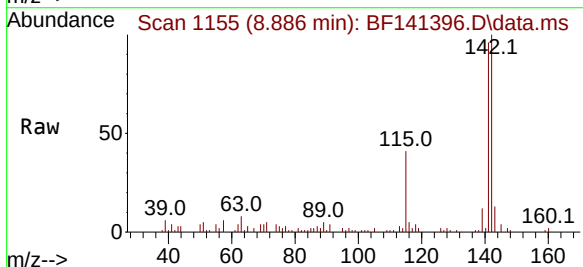
APPROVED

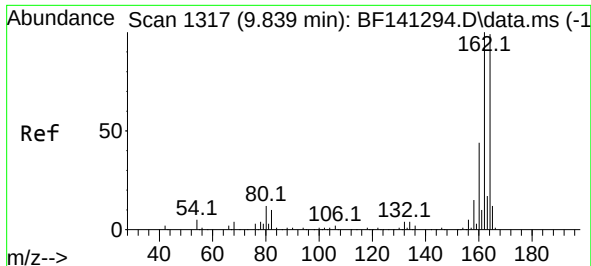
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#38
1-Methylnaphthalene
Concen: 2.264 ng
RT: 8.886 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

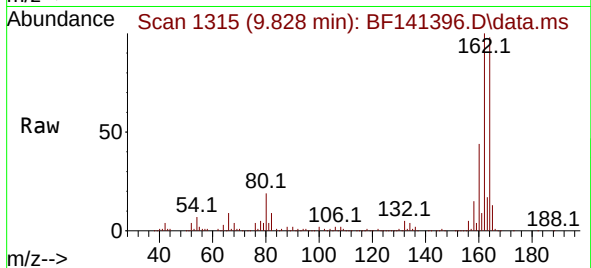
Tgt Ion:142 Resp: 23757
Ion Ratio Lower Upper
142 100
141 96.1 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

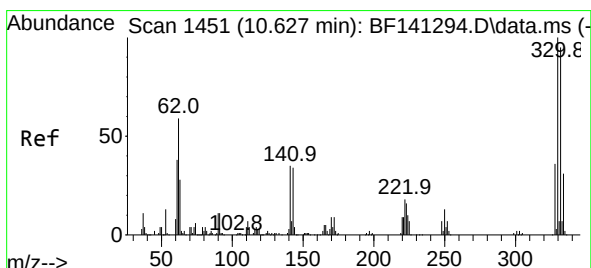
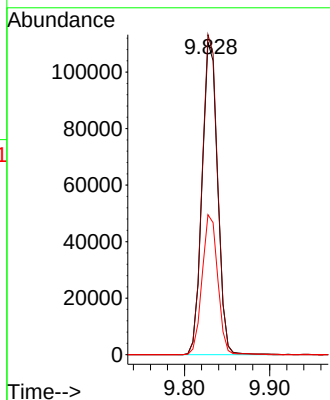
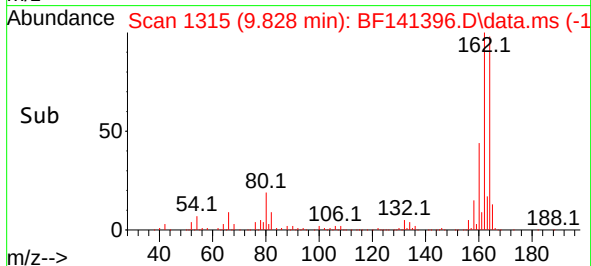
Instrument :
BNA_F
ClientSampleId :
OK-02-01312025



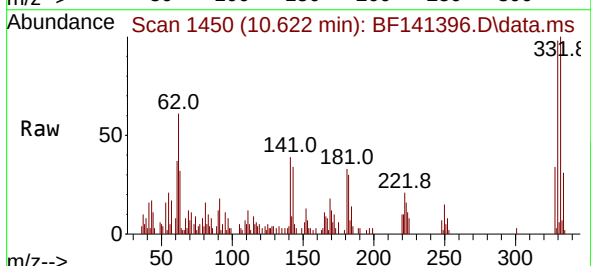
Tgt Ion:164 Resp: 139700
Ion Ratio Lower Upper
164 100
162 102.4 80.6 121.0
160 44.8 35.8 53.6

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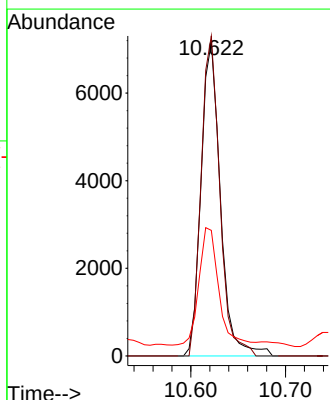
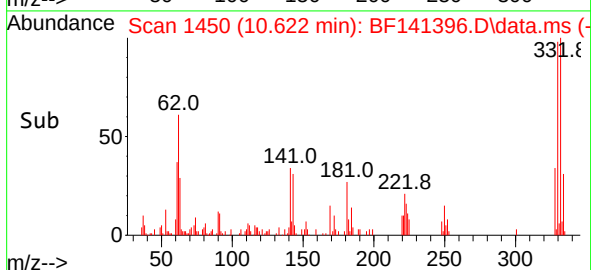
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025

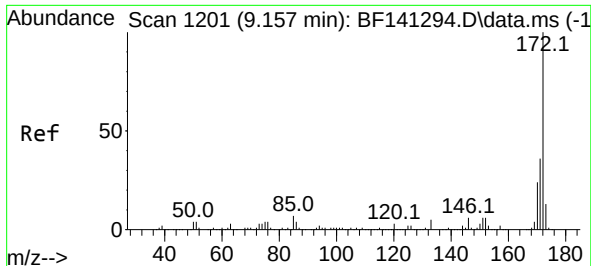


#42
2,4,6-Tribromophenol
Concen: 7.949 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28



Tgt Ion:330 Resp: 10180
Ion Ratio Lower Upper
330 100
332 98.0 76.1 114.1
141 37.8 28.8 43.2





#45

2-Fluorobiphenyl

Concen: 7.099 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

Tgt Ion:172 Resp: 64436

Ion Ratio Lower Upper

172 100

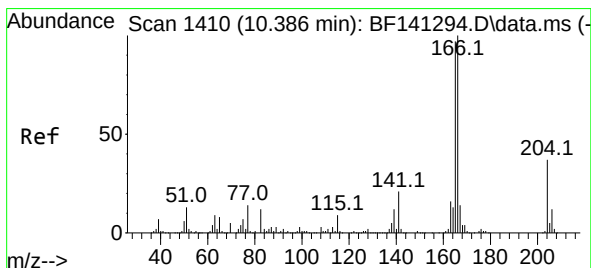
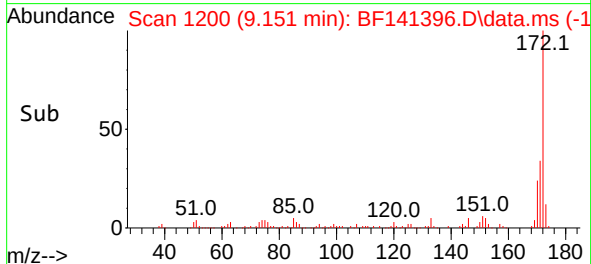
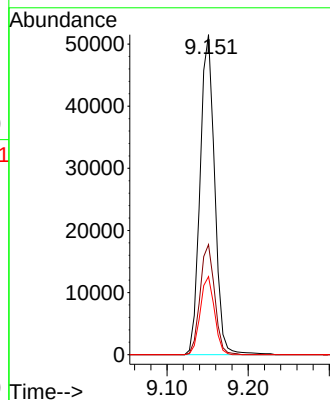
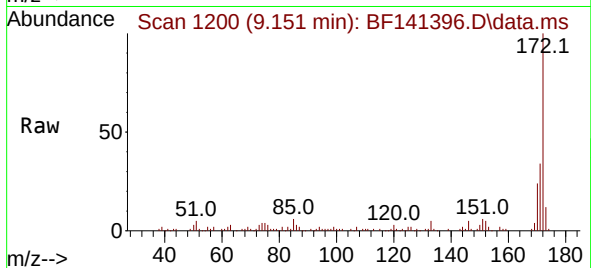
171 34.4 28.8 43.2

170 24.4 19.0 28.6

Manual Integrations

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Supervised By :mohammad ahmed 02/06/2025



#58

Fluorene

Concen: 2.794 ng

RT: 10.380 min Scan# 1409

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

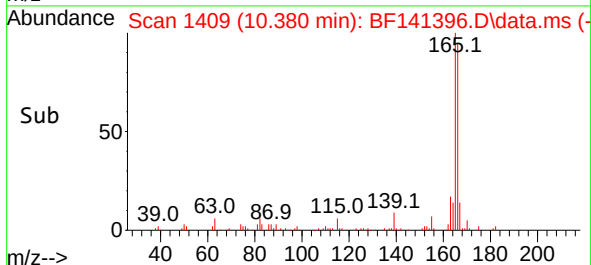
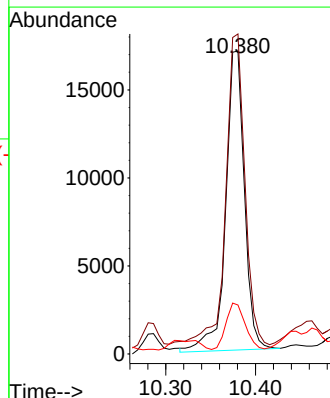
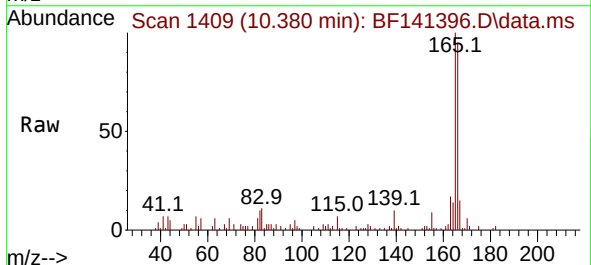
Tgt Ion:166 Resp: 24636

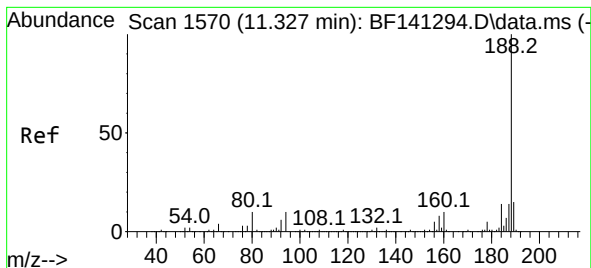
Ion Ratio Lower Upper

166 100

165 105.7 77.5 116.3

167 16.2 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

Tgt Ion:188 Resp: 223849

Ion Ratio Lower Upper

188 100

94 8.6 7.8 11.6

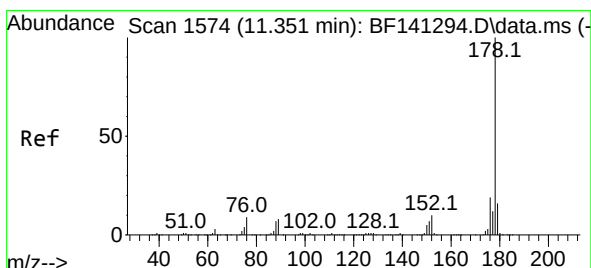
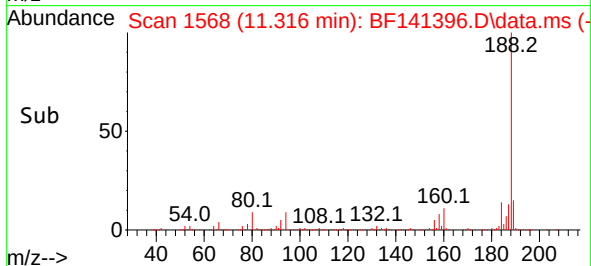
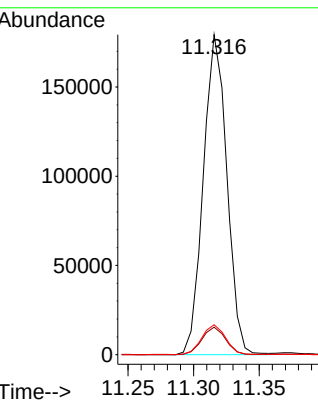
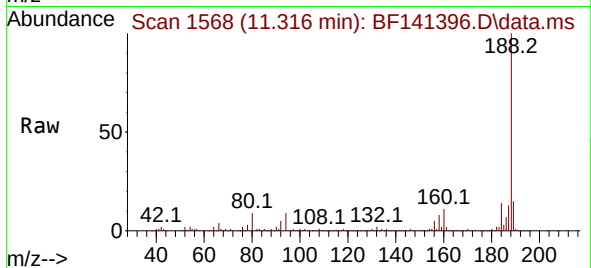
80 9.4 8.2 12.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#71

Phenanthrene

Concen: 12.147 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

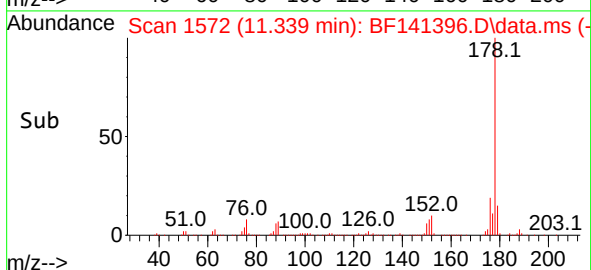
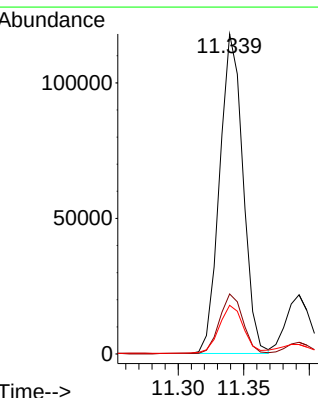
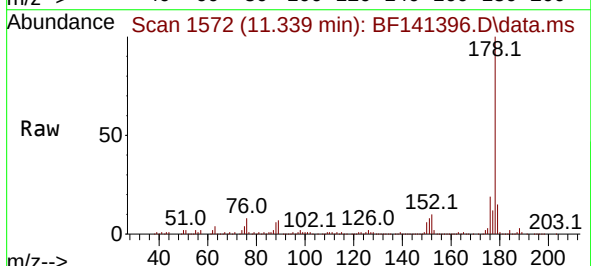
Tgt Ion:178 Resp: 146161

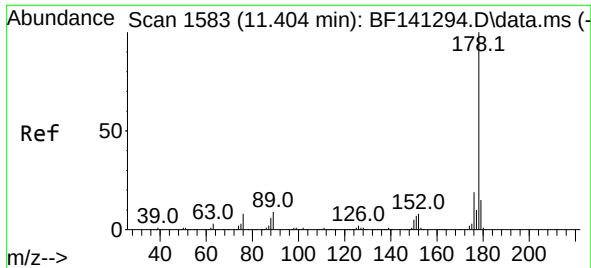
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

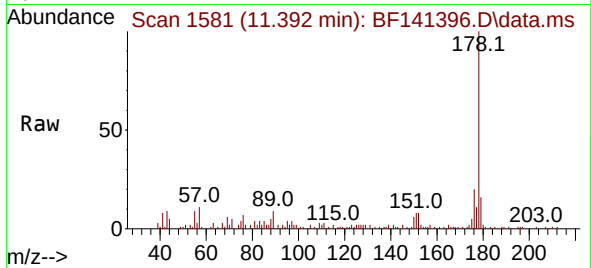
179 15.2 12.5 18.7





#72
 Anthracene
 Concen: 2.106 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF141396.D
 Acq: 04 Feb 2025 03:28

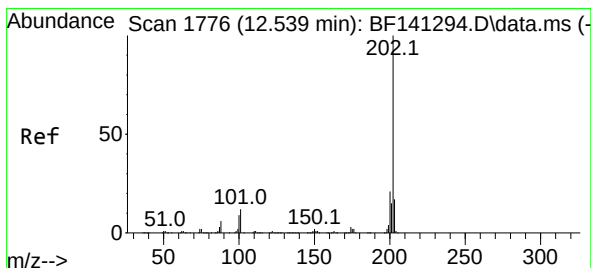
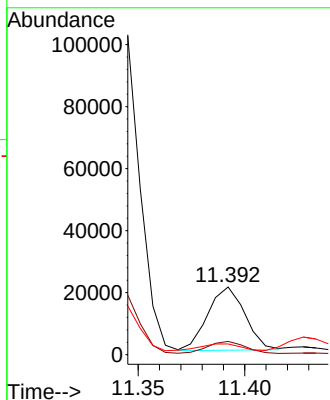
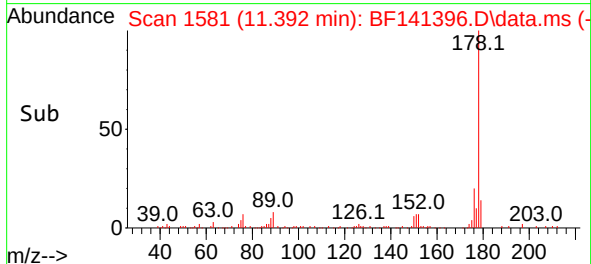
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-01312025



Tgt Ion:178 Resp: 24828
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.0 22.6
 179 16.0 12.3 18.5

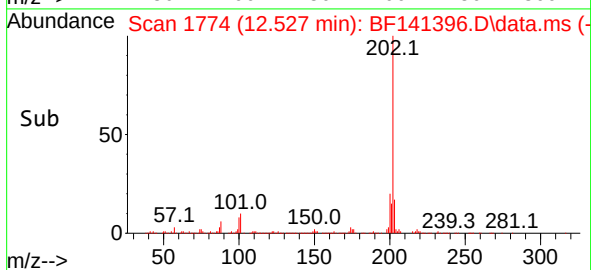
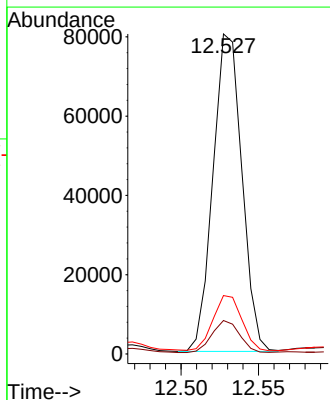
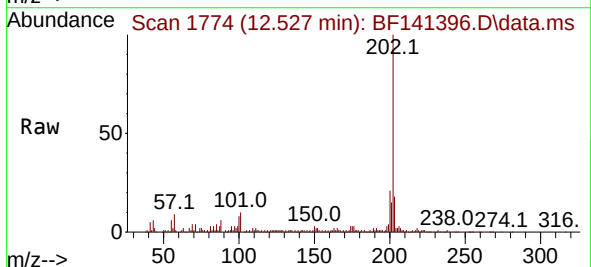
Manual Integrations
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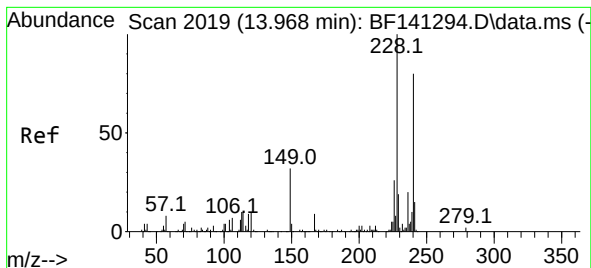
Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025



#75
 Fluoranthene
 Concen: 8.753 ng
 RT: 12.527 min Scan# 1774
 Delta R.T. -0.012 min
 Lab File: BF141396.D
 Acq: 04 Feb 2025 03:28

Tgt Ion:202 Resp: 103996
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.7
 203 18.2 0.0 37.5





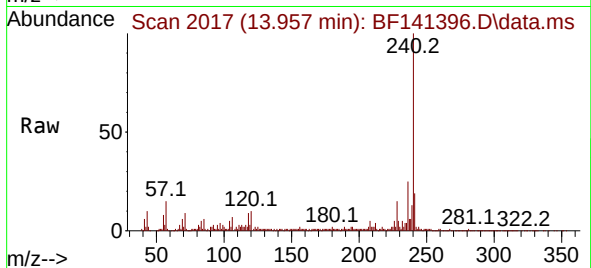
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

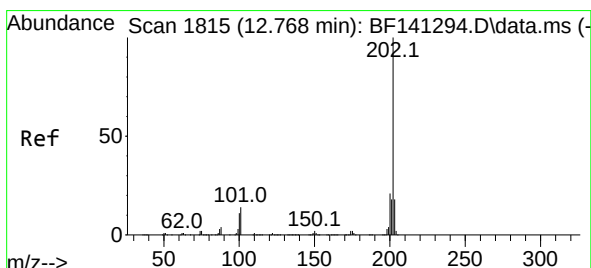
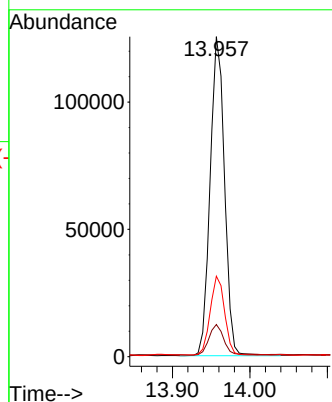
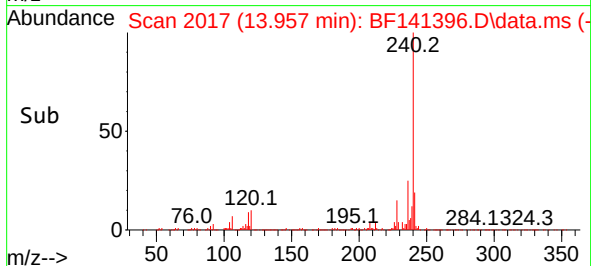


Tgt Ion:240 Resp: 161564
Ion Ratio Lower Upper
240 100
120 10.1 10.0 15.0
236 25.2 19.7 29.5

Manual Integrations

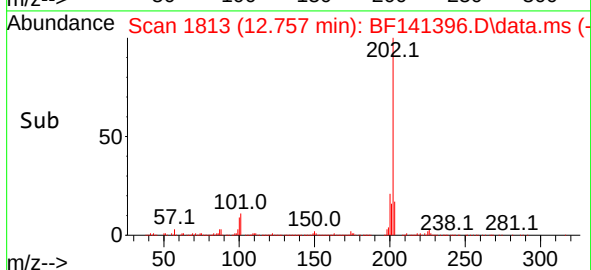
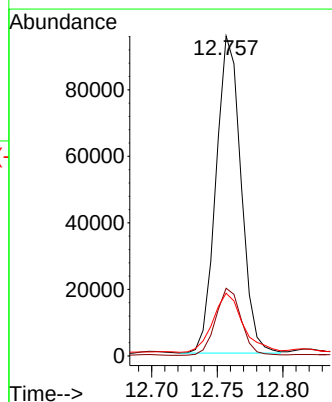
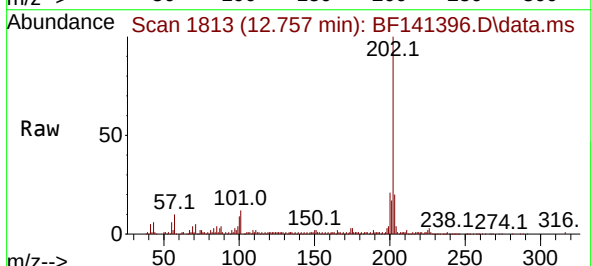
APPROVED

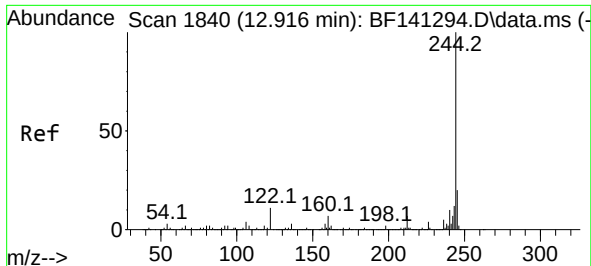
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#78
Pyrene
Concen: 8.143 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141396.D
Acq: 04 Feb 2025 03:28

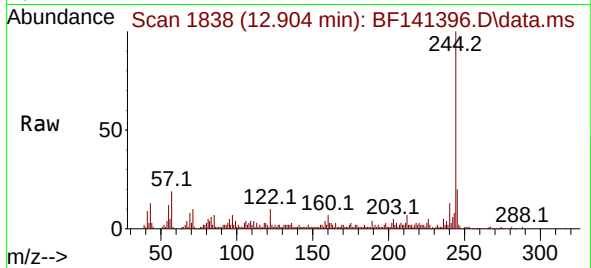
Tgt Ion:202 Resp: 126281
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 19.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 5.998 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141396.D
 Acq: 04 Feb 2025 03:28

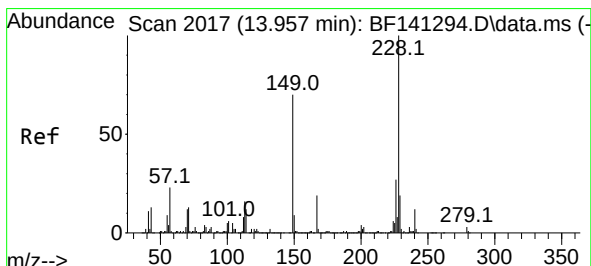
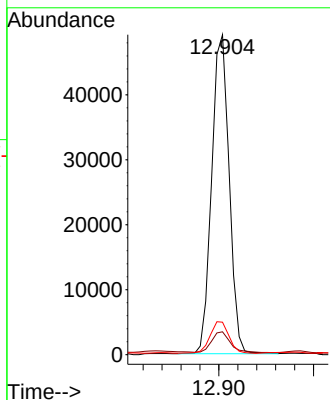
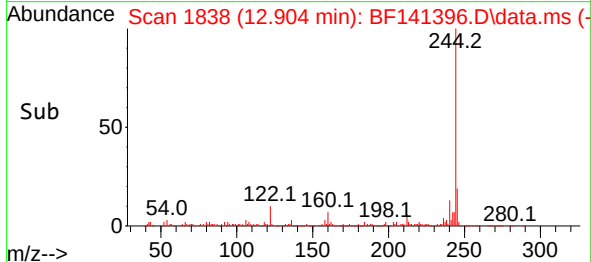
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-01312025



Tgt Ion:244 Resp: 62838
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 10.2 8.8 13.2

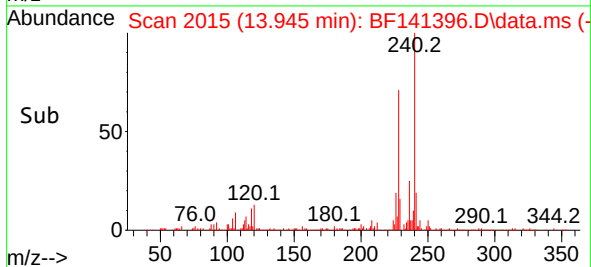
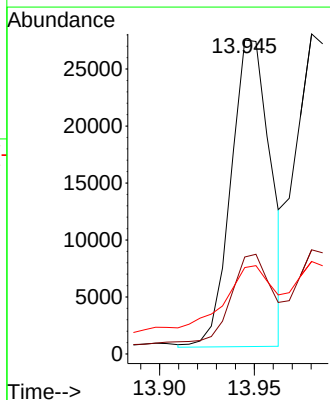
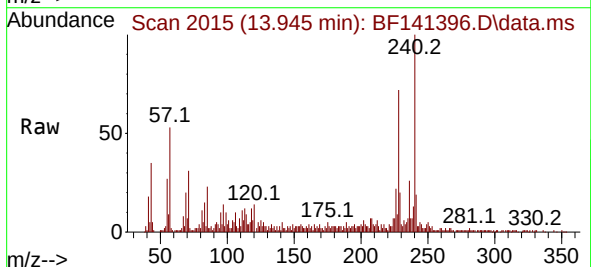
Manual Integrations
 APPROVED

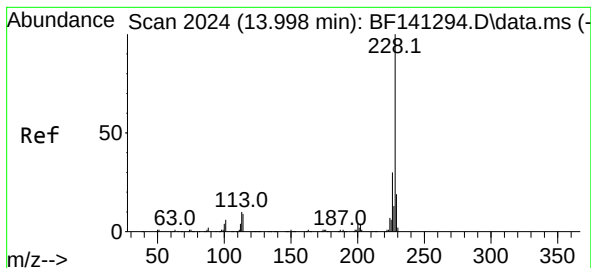
Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025



#81
 Benzo(a)anthracene
 Concen: 3.513 ng
 RT: 13.945 min Scan# 2015
 Delta R.T. -0.018 min
 Lab File: BF141396.D
 Acq: 04 Feb 2025 03:28

Tgt Ion:228 Resp: 39166
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.4 32.2
 229 27.5 15.5 23.3#





#83

Chrysene

Concen: 4.006 ng

RT: 13.980 min Scan# 2024

Delta R.T. -0.018 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

OK-02-01312025

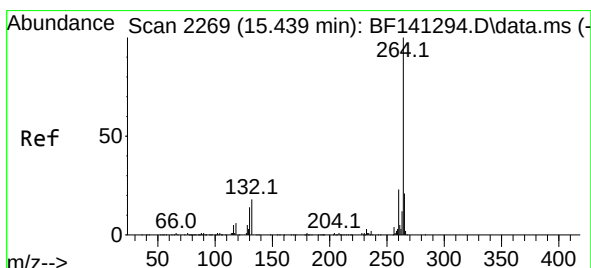
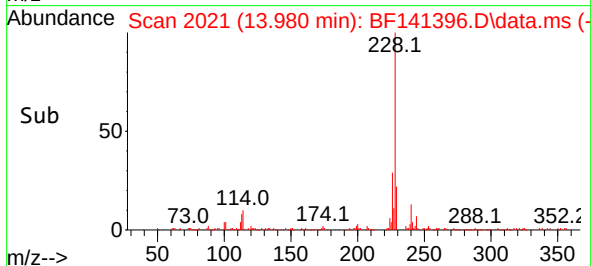
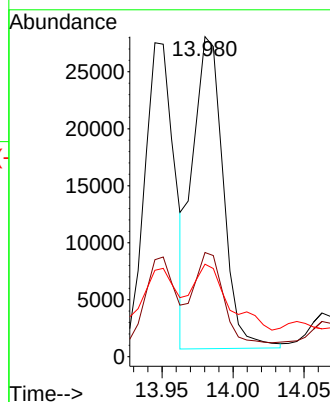
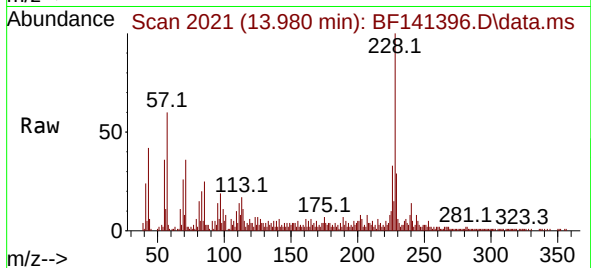
Tgt Ion:228 Resp: 40934

Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.1	36.1
229	28.9	15.6	23.4

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: 15.410 min Scan# 2264

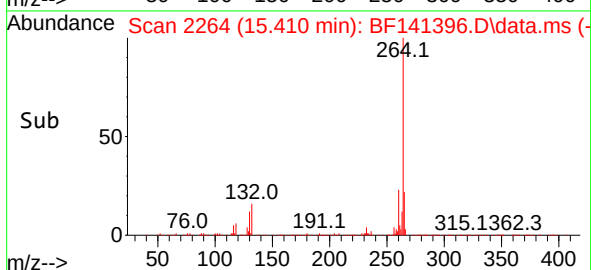
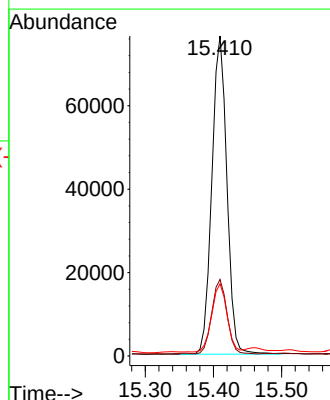
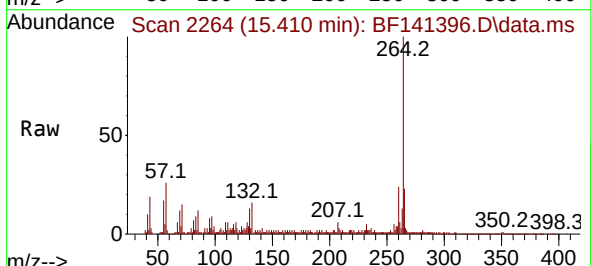
Delta R.T. -0.030 min

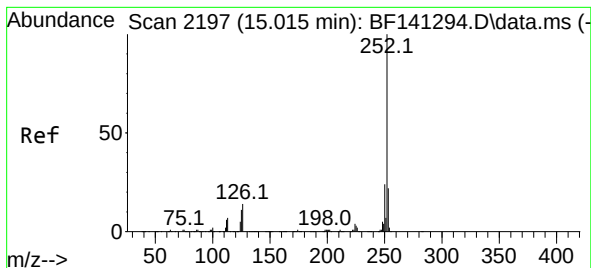
Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Tgt Ion:264 Resp: 117327

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	22.6	16.7	25.1





#88

Benzo(b)fluoranthene

Concen: 3.055 ng m

RT: 14.992 min Scan# 2197

Delta R.T. -0.030 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Instrument :

BNA_F

ClientSampleId :

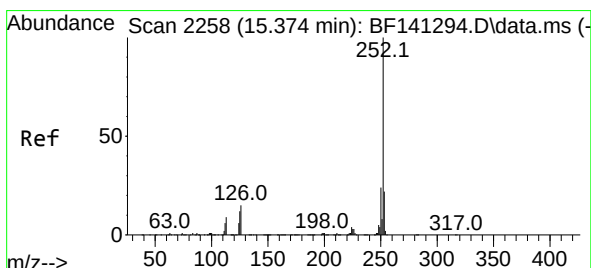
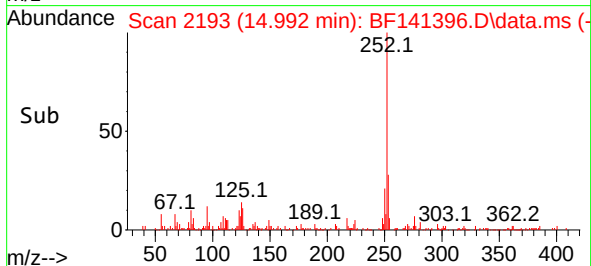
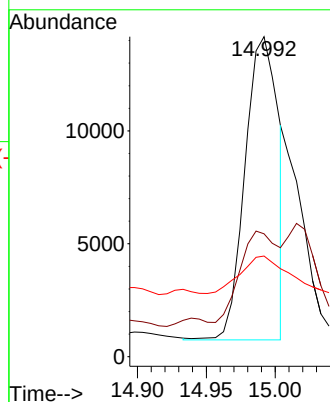
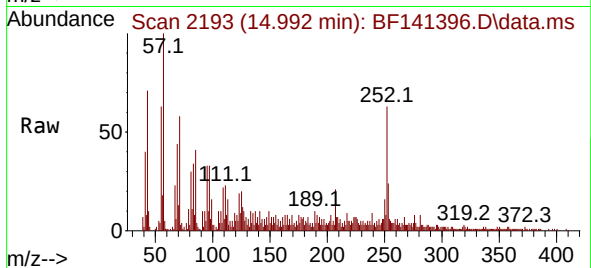
OK-02-01312025

Tgt Ion:252 Resp: 22544
 Ion Ratio Lower Upper
 252 100
 253 38.4 17.4 26.2#
 125 31.5 8.6 12.8#

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 3.210 ng

RT: 15.345 min Scan# 2253

Delta R.T. -0.035 min

Lab File: BF141396.D

Acq: 04 Feb 2025 03:28

Tgt Ion:252 Resp: 20018
 Ion Ratio Lower Upper
 252 100
 253 30.5 17.2 25.8#
 125 28.1 9.4 14.2#

