

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141572.D
 Acq On : 11 Feb 2025 19:45
 Operator : RC/JU
 Sample : Q1215-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 12 00:07:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70182	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	273856	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	136474	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	200429	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	171735	20.000	ng	-0.01
86) Perylene-d12	15.398	264	170191	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	503302	112.429	ng	0.00
7) Phenol-d6	6.422	99	622878	110.086	ng	-0.02
23) Nitrobenzene-d5	7.345	82	421481	80.275	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	135498	98.836	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	728383	82.227	ng	-0.01
79) Terphenyl-d14	12.892	244	644205	63.326	ng	-0.01
Target Compounds					Qvalue	
52) Acenaphthene	9.851	154	21996	2.811	ng	97
71) Phenanthrene	11.327	178	329452	29.861	ng	99
72) Anthracene	11.380	178	77876	7.022	ng	98
75) Fluoranthene	12.521	202	640471	54.756	ng	99
78) Pyrene	12.751	202	655531	44.840	ng	99
81) Benzo(a)anthracene	13.939	228	377212	33.043	ng	98
83) Chrysene	13.974	228	292972	27.794	ng	98
87) Indeno(1,2,3-cd)pyrene	16.833	276	153860	14.631	ng	95
88) Benzo(b)fluoranthene	14.986	252	420507m	36.798	ng	
89) Benzo(k)fluoranthene	14.998	252	137481m	14.089	ng	
90) Benzo(a)pyrene	15.339	252	308861	33.402	ng	97
91) Dibenzo(a,h)anthracene	16.839	278	40207	4.719	ng	# 80
92) Benzo(g,h,i)perylene	17.268	276	147728	16.567	ng	99

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

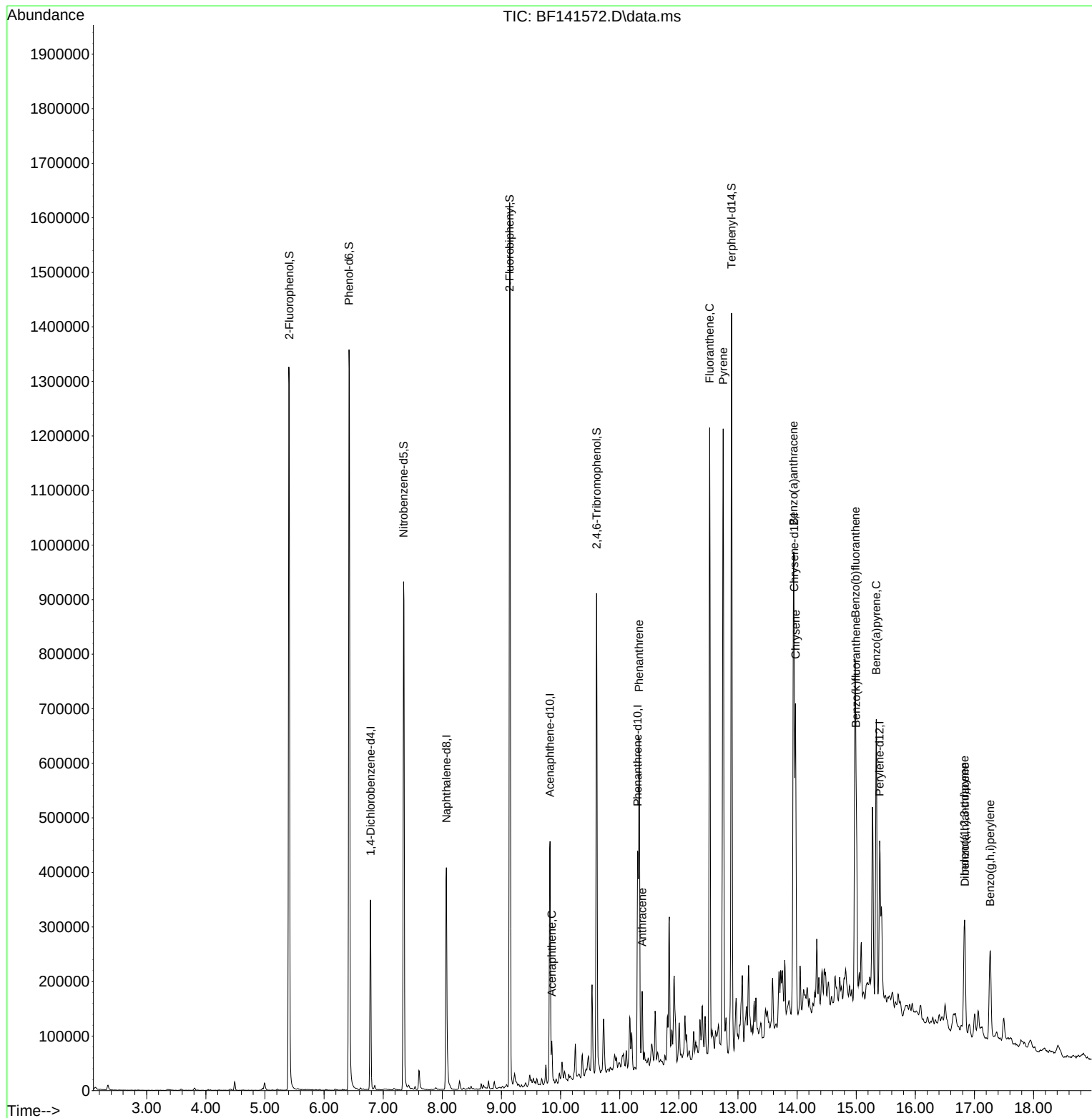
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141572.D
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Operator : RC/JU
Sample : Q1215-03
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ALS Vial : 23 Sample Multiplier: 1

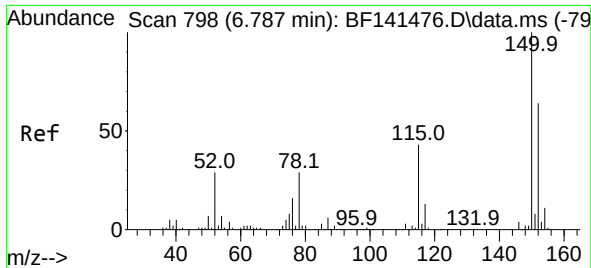
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JPP-29.1-012825

Quant Time: Feb 12 00:07:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
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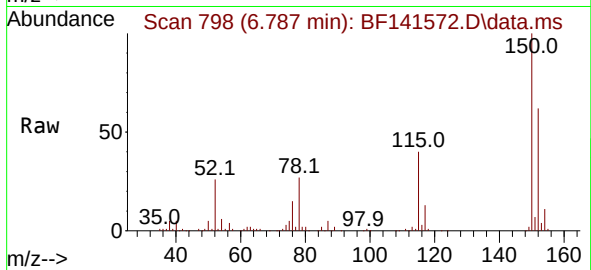
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

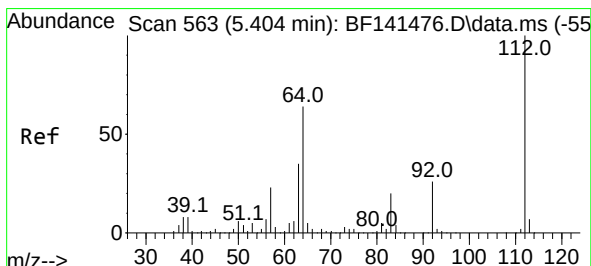
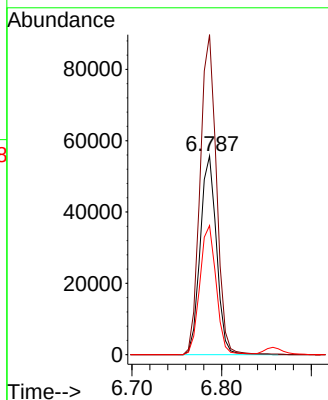
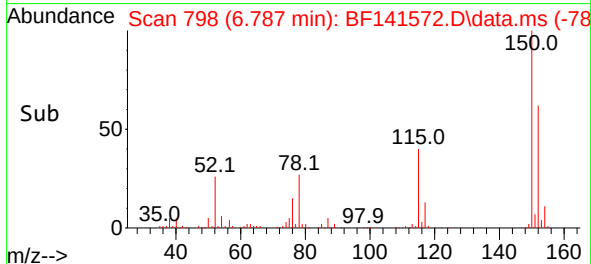
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



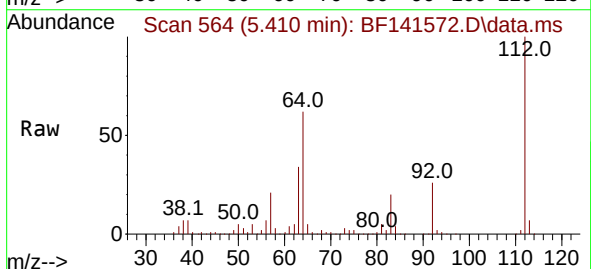
Tgt Ion:152 Resp: 7018
Ion Ratio Lower Upper
152 100
150 161.0 125.0 187.4
115 64.9 53.6 80.4

Manual Integrations
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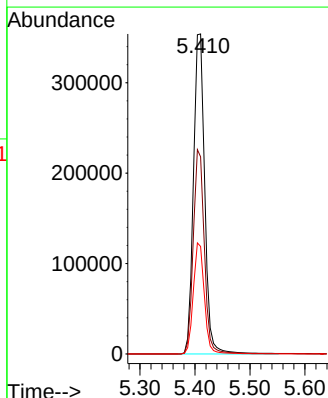
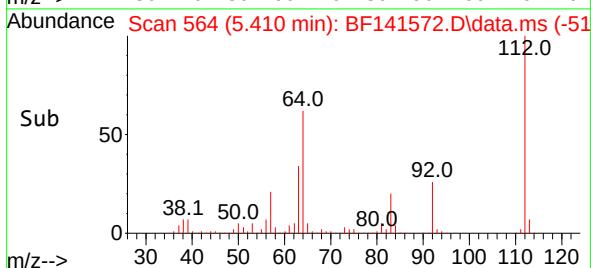
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

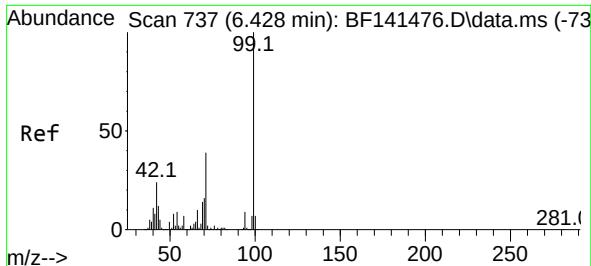


#5
2-Fluorophenol
Concen: 112.429 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



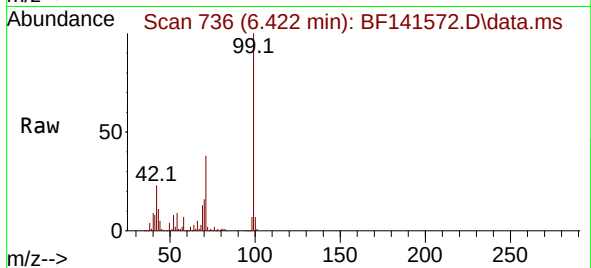
Tgt Ion:112 Resp: 503302
Ion Ratio Lower Upper
112 100
64 61.6 51.1 76.7
63 33.6 28.4 42.6





#7
Phenol-d6
Concen: 110.086 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

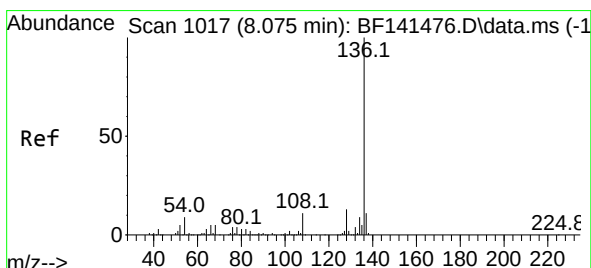
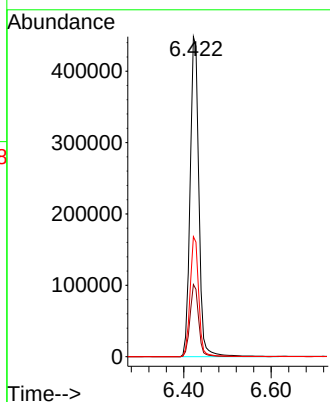
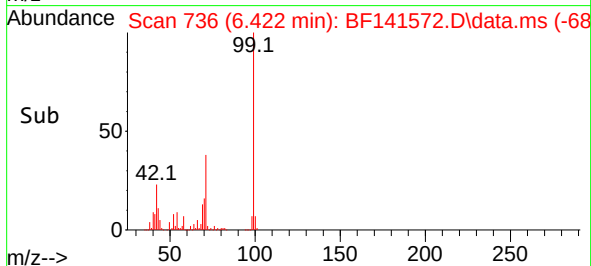
Instrument :
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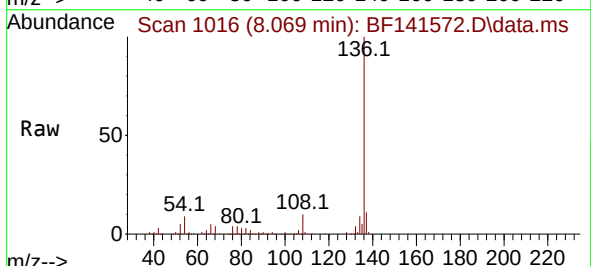
Tgt Ion: 99 Resp: 622878
Ion Ratio Lower Upper
99 100
42 22.5 19.1 28.7
71 37.5 31.1 46.7

Manual Integrations
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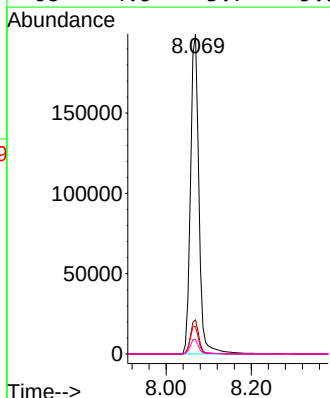
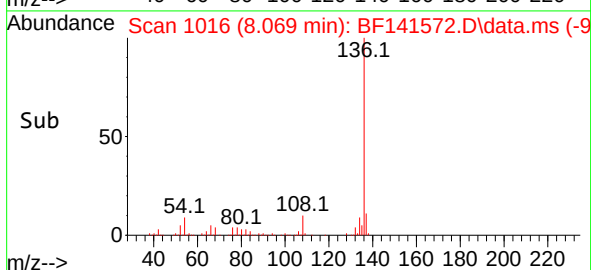
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

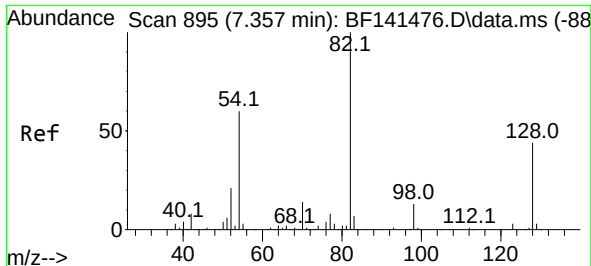


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



Tgt Ion:136 Resp: 273856
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.6 7.2 10.8
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 80.275 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825

Tgt Ion: 82 Resp: 42148

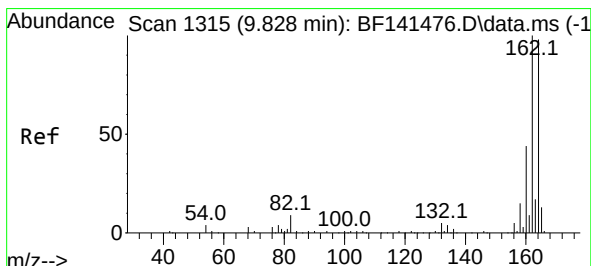
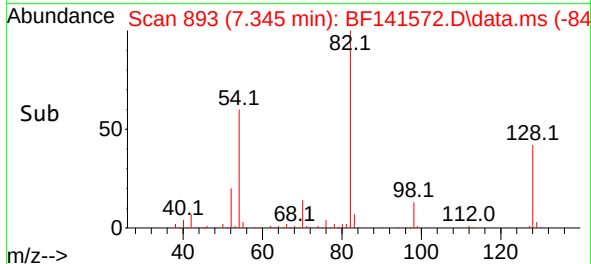
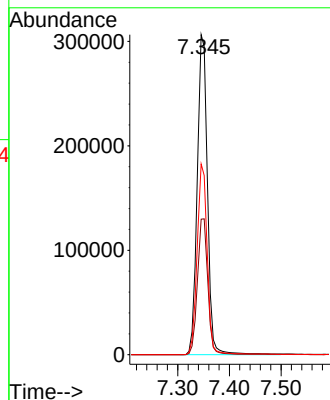
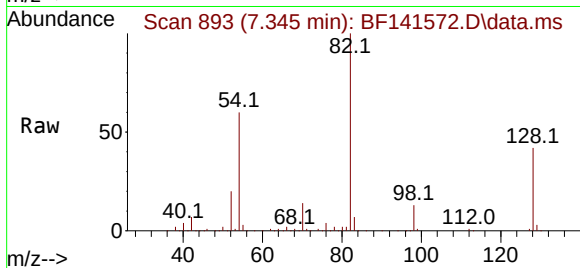
Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	59.6	48.2	72.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

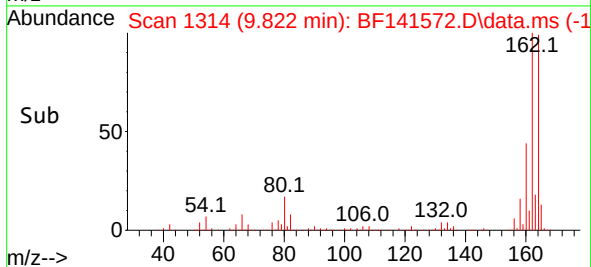
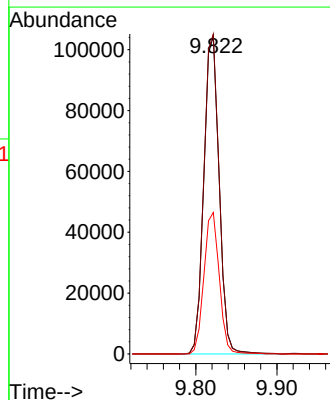
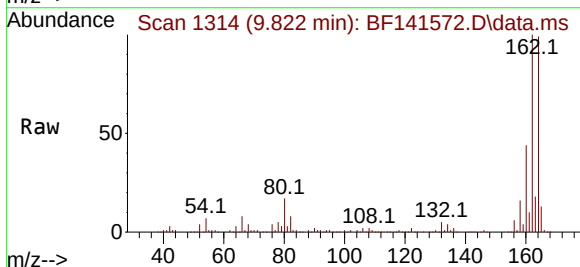
Delta R.T. -0.012 min

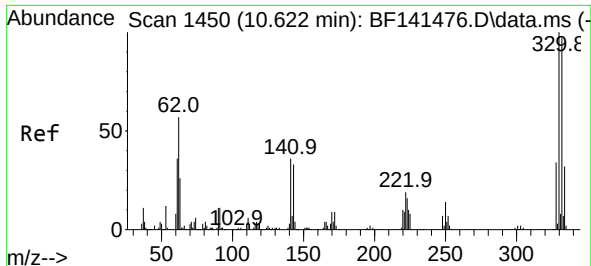
Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

Tgt Ion:164 Resp: 136474

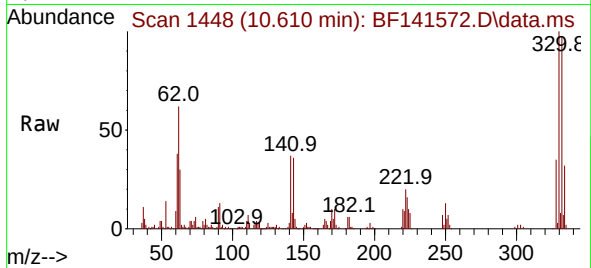
Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.3	121.9
160	44.6	35.9	53.9





#42
 2,4,6-Tribromophenol
 Concen: 98.836 ng
 RT: 10.610 min Scan# 1448
 Delta R.T. -0.018 min
 Lab File: BF141572.D
 Acq: 11 Feb 2025 19:45

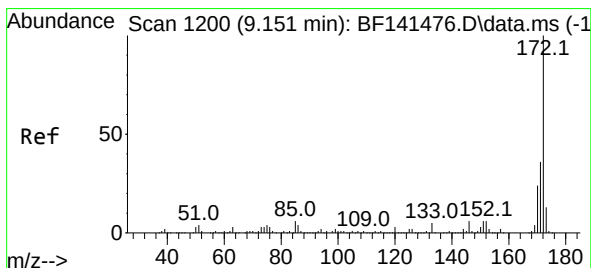
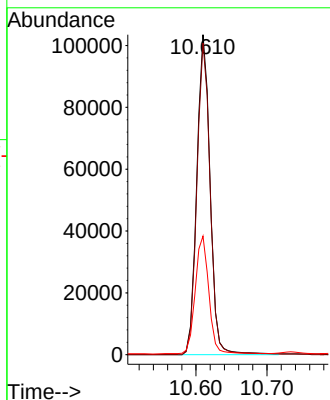
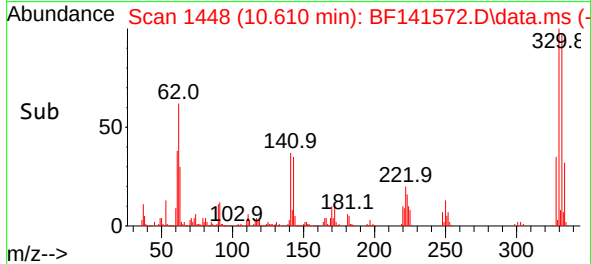
Instrument :
 BNA_F
 ClientSampleId :
 JPP-29.1-012825



Tgt Ion: 330 Resp: 135498
 Ion Ratio Lower Upper
 330 100
 332 97.1 78.5 117.7
 141 37.7 31.0 46.4

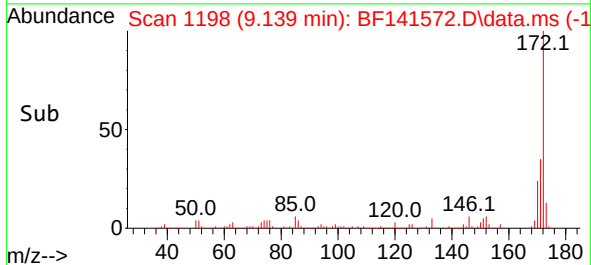
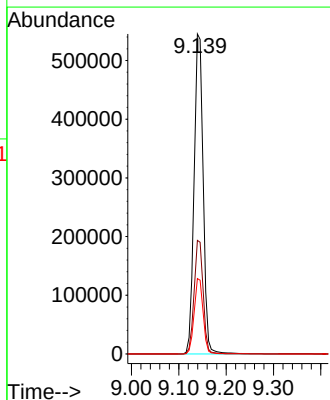
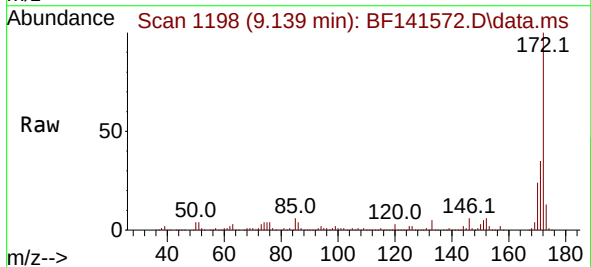
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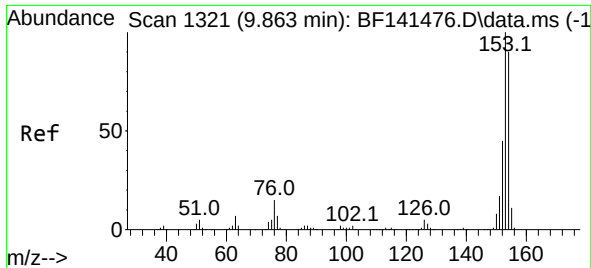
Reviewed By : Yogesh Patel 02/12/2025
 Supervised By : mohammad ahmed 02/12/2025



#45
 2-Fluorobiphenyl
 Concen: 82.227 ng
 RT: 9.139 min Scan# 1198
 Delta R.T. -0.012 min
 Lab File: BF141572.D
 Acq: 11 Feb 2025 19:45

Tgt Ion: 172 Resp: 728383
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.7 43.1
 170 23.5 18.9 28.3





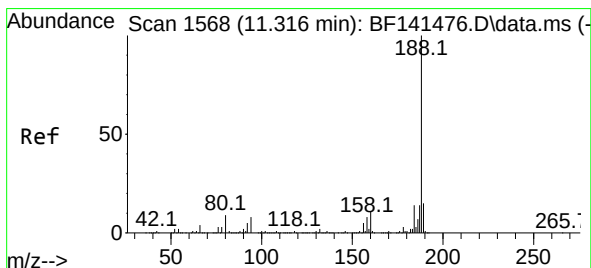
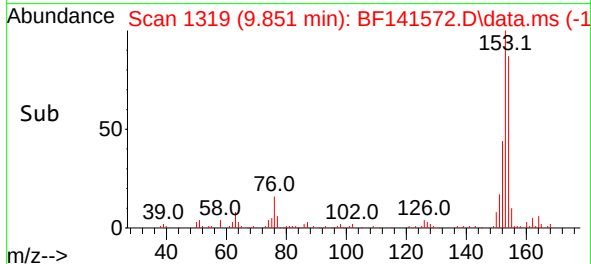
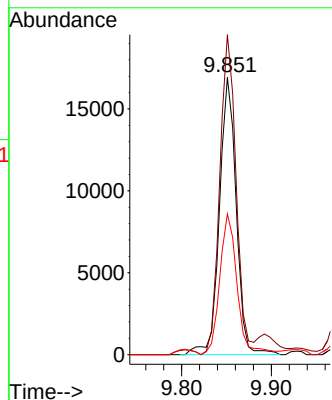
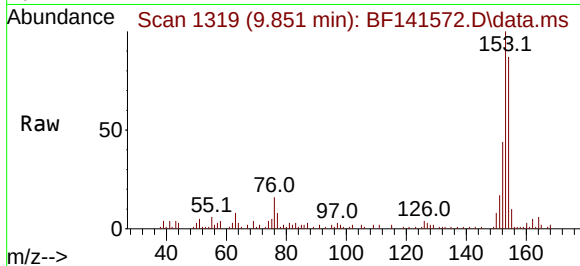
#52
Acenaphthene
Concen: 2.811 ng
RT: 9.851 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Tgt Ion:154 Resp: 21990
Ion Ratio Lower Upper
154 100
153 115.4 89.2 133.8
152 50.8 39.8 59.8

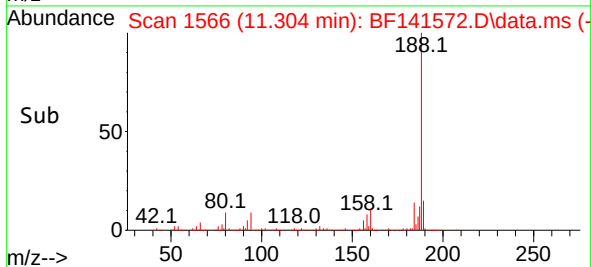
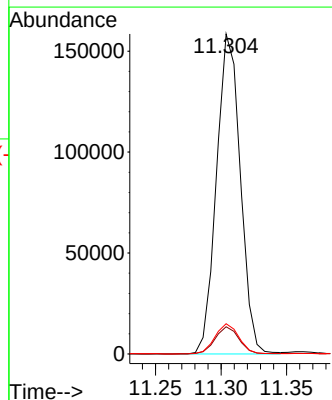
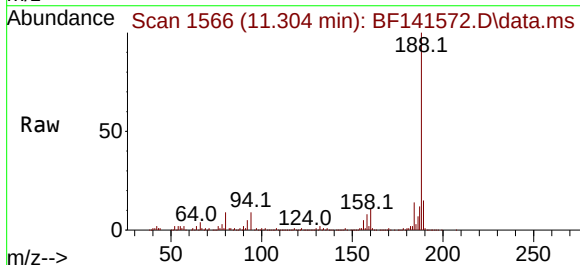
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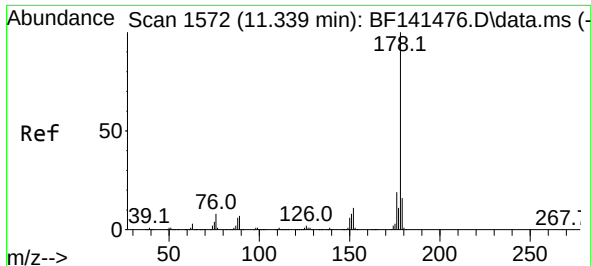
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Tgt Ion:188 Resp: 200429
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.5 7.3 10.9





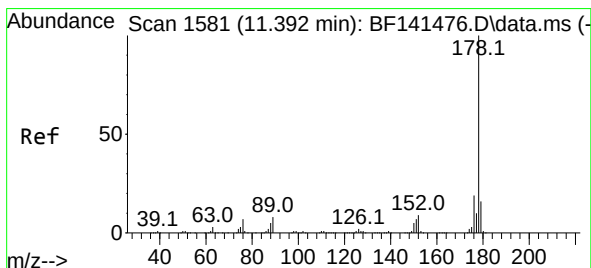
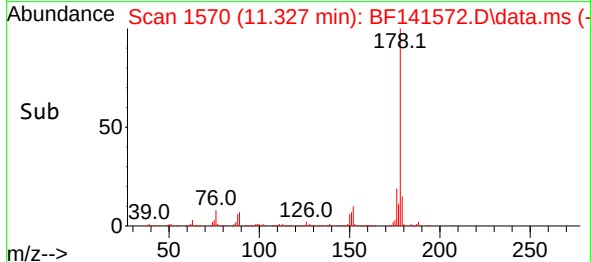
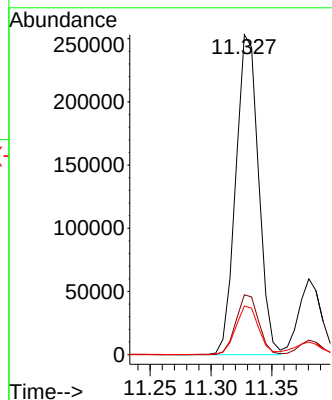
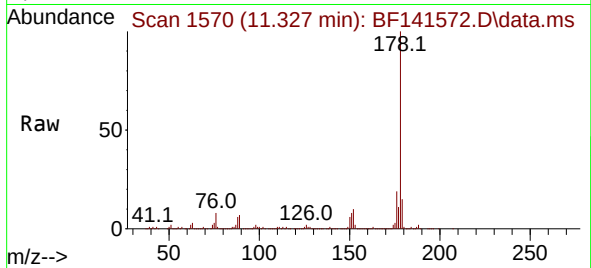
#71
Phenanthrene
Concen: 29.861 ng
RT: 11.327 min Scan# 1572
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Tgt Ion:178 Resp: 32945
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.2 12.4 18.6

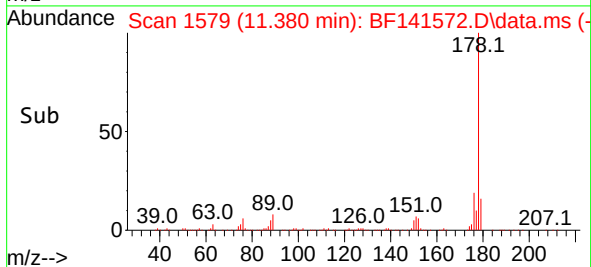
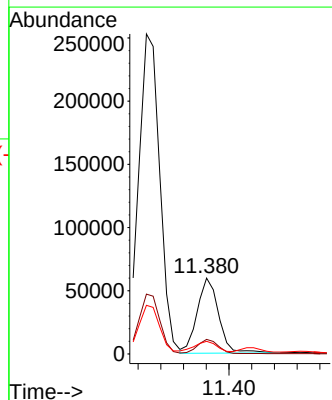
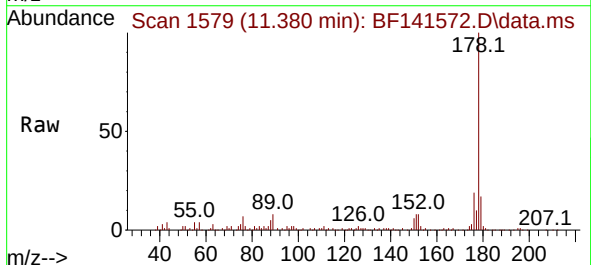
Manual Integrations
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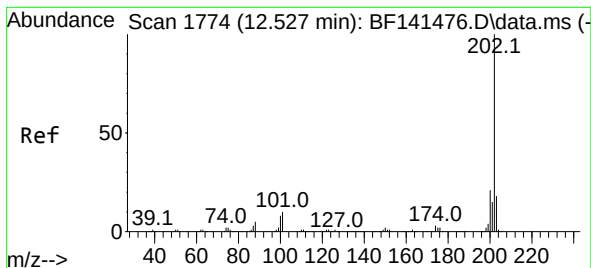
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#72
Anthracene
Concen: 7.022 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

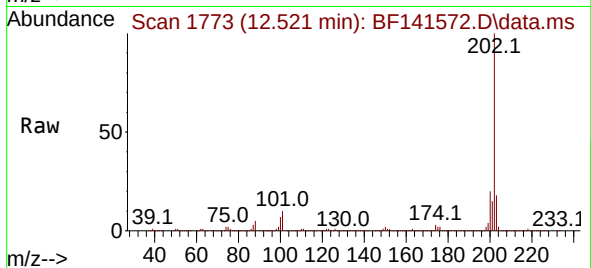
Tgt Ion:178 Resp: 77876
Ion Ratio Lower Upper
178 100
176 19.3 14.8 22.2
179 16.7 12.4 18.6





#75
Fluoranthene
Concen: 54.756 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

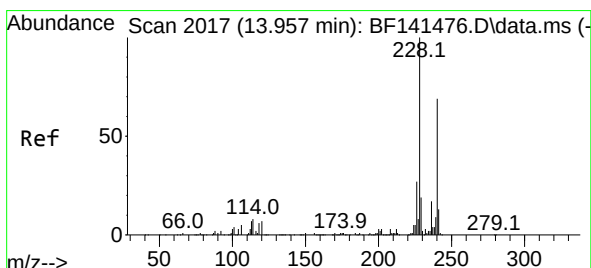
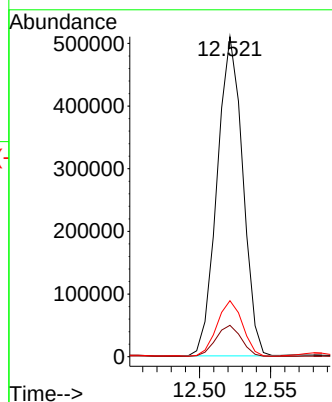
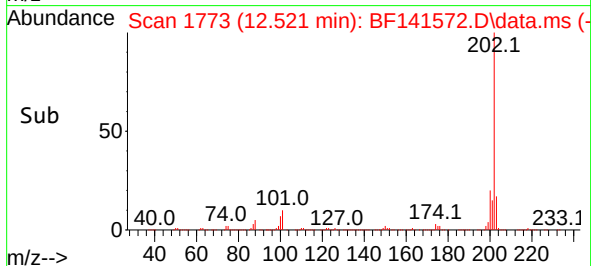
Instrument :
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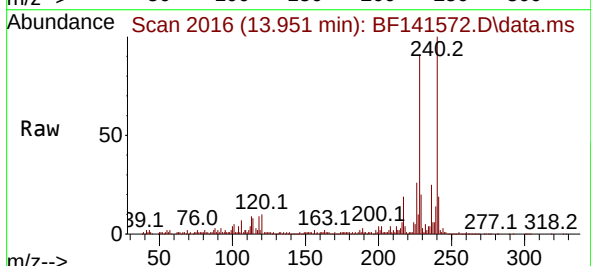
Tgt Ion:202 Resp: 64047
Ion Ratio Lower Upper
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203 17.5 0.0 37.6

Manual Integrations
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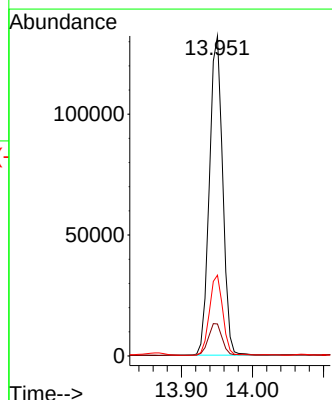
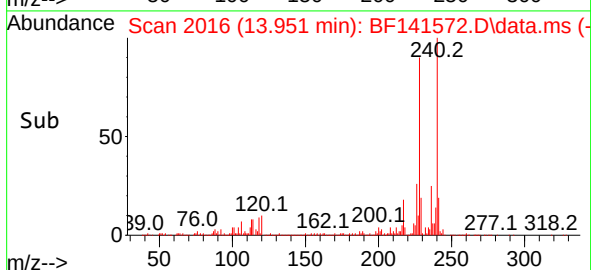
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

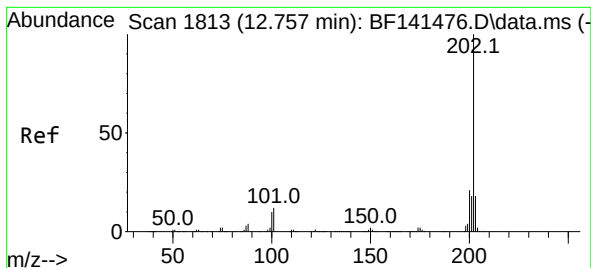


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45



Tgt Ion:240 Resp: 171735
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.3 19.8 29.8





#78

Pyrene

Concen: 44.840 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.012 min

Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

JPP-29.1-012825

Tgt Ion:202 Resp: 65553

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

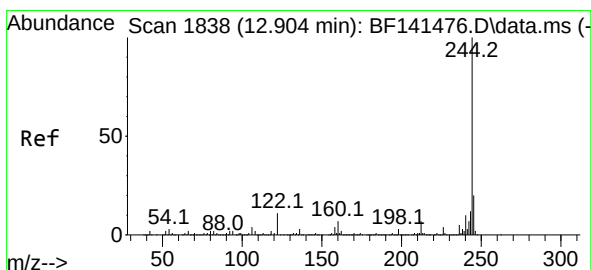
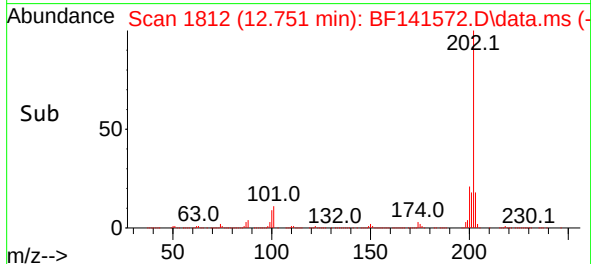
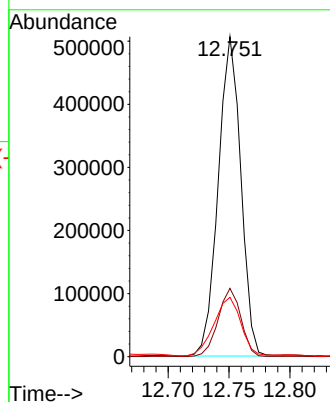
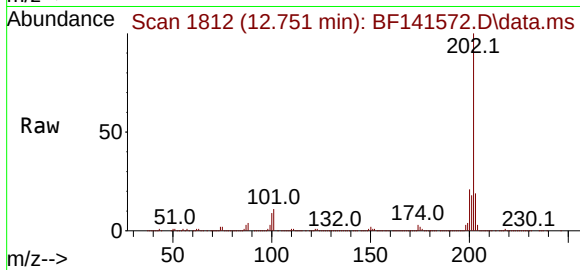
203 18.5 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :mohammad ahmed 02/12/2025



#79

Terphenyl-d14

Concen: 63.326 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141572.D

Acq: 11 Feb 2025 19:45

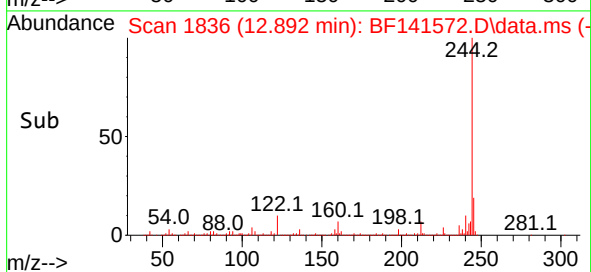
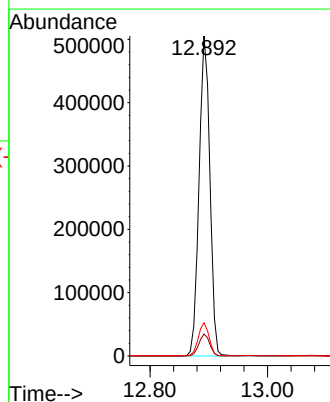
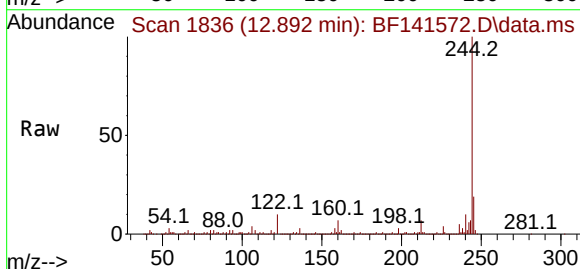
Tgt Ion:244 Resp: 644205

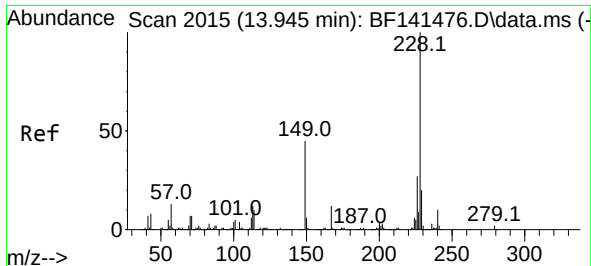
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.4 8.4 12.6





#81
Benzo(a)anthracene
Concen: 33.043 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Instrument :

BNA_F

ClientSampleId :

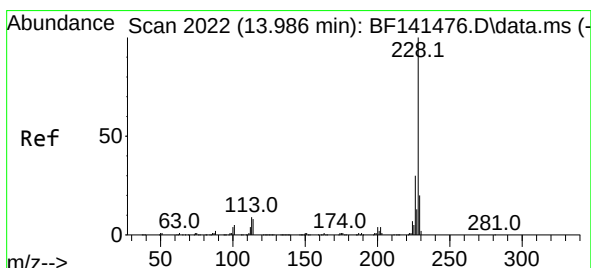
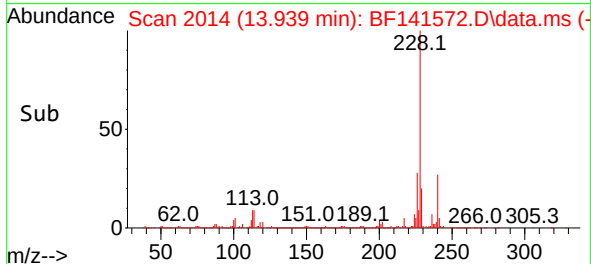
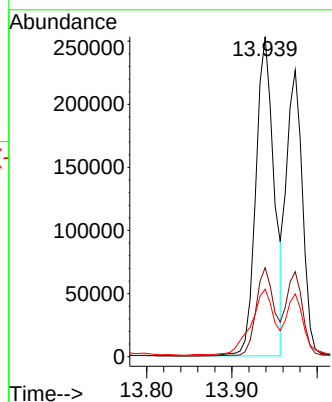
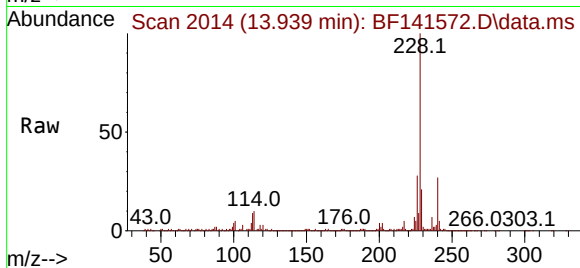
JPP-29.1-012825

Tgt Ion:228 Resp: 37721
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 21.1 15.8 23.6

Manual Integrations

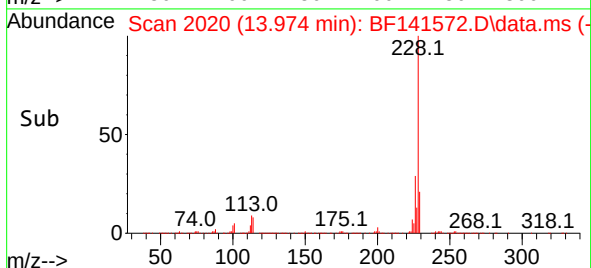
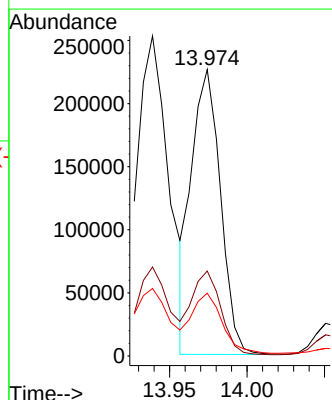
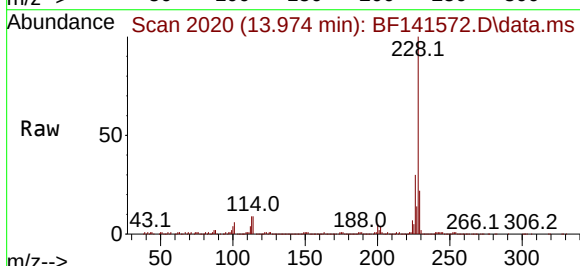
APPROVED

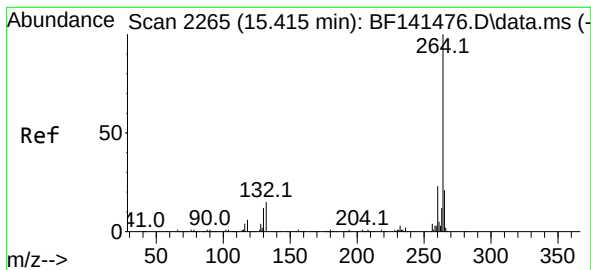
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#83
Chrysene
Concen: 27.794 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

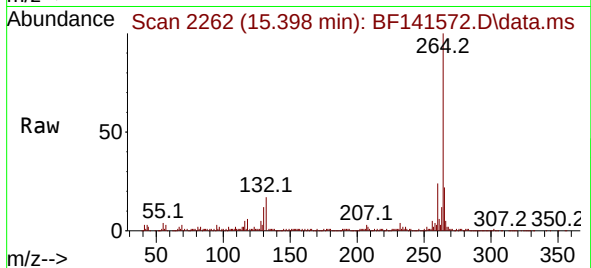
Tgt Ion:228 Resp: 292972
Ion Ratio Lower Upper
228 100
226 29.7 24.0 36.0
229 21.9 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

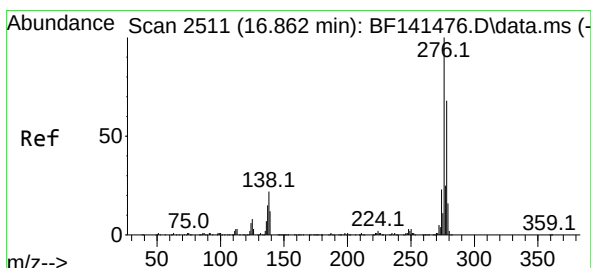
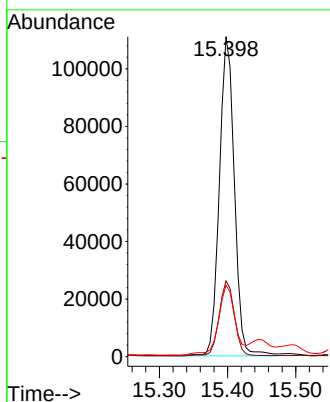
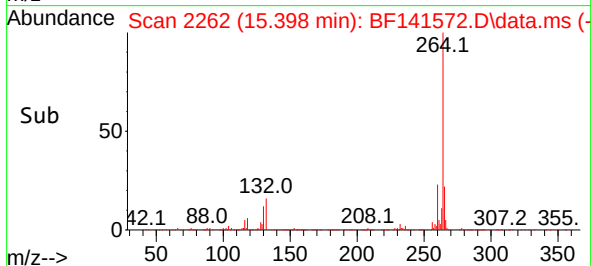
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



Tgt Ion:264 Resp: 17019
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 22.3 17.0 25.4

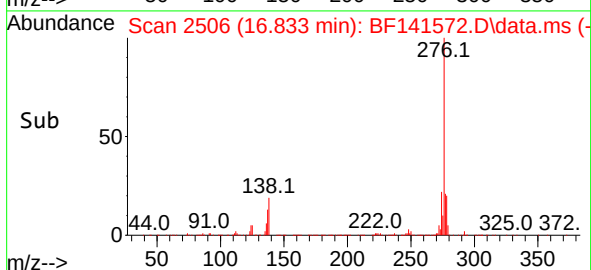
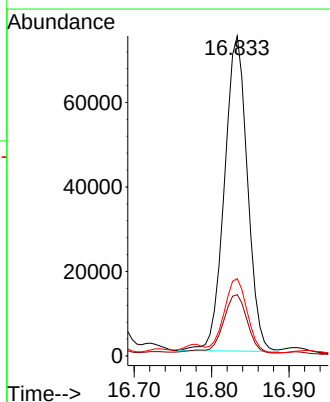
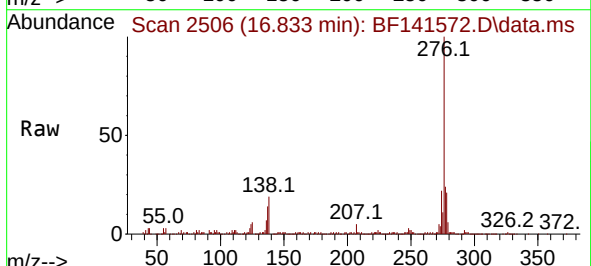
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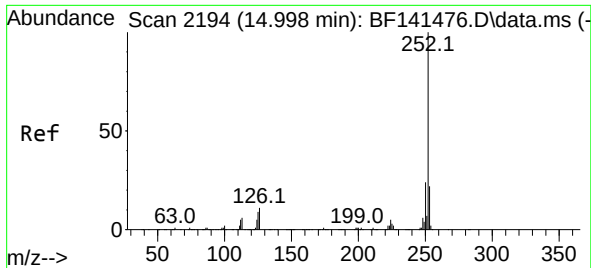
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.631 ng
RT: 16.833 min Scan# 2506
Delta R.T. -0.041 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

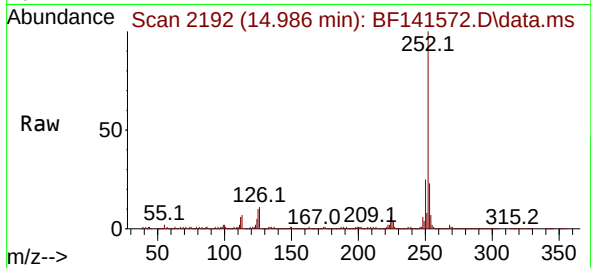
Tgt Ion:276 Resp: 153860
Ion Ratio Lower Upper
276 100
138 19.5 18.0 27.0
277 23.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 36.798 ng m
RT: 14.986 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

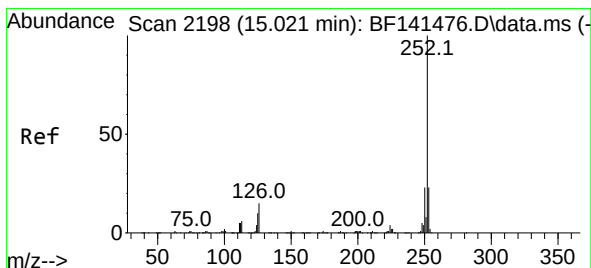
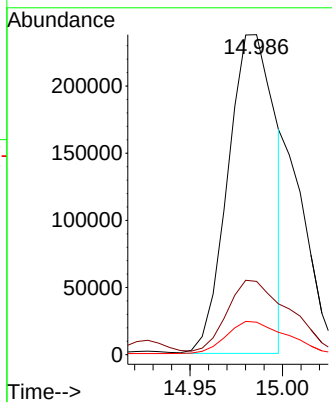
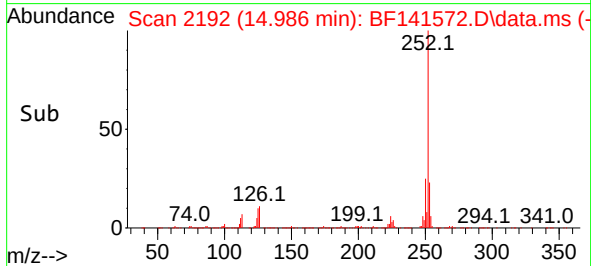
Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



Tgt Ion:252 Resp: 42050
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.2 7.0 10.6

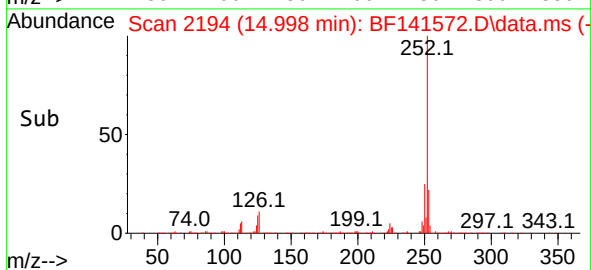
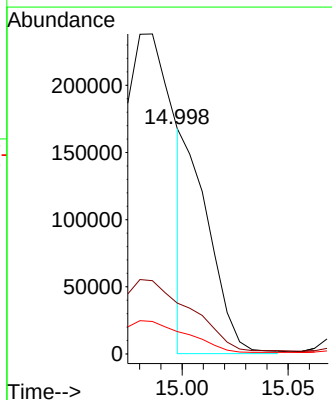
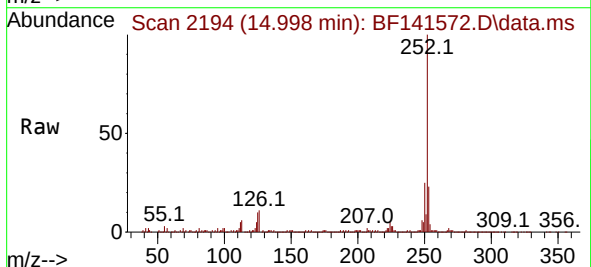
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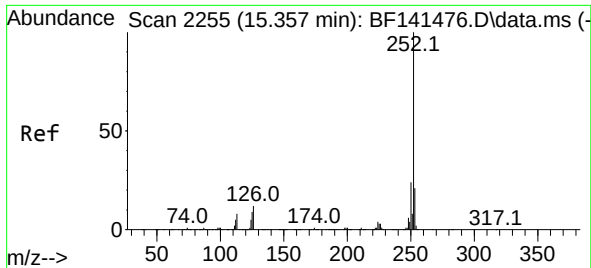
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#89
Benzo(k)fluoranthene
Concen: 14.089 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.035 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Tgt Ion:252 Resp: 137481
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 10.0 7.4 11.0





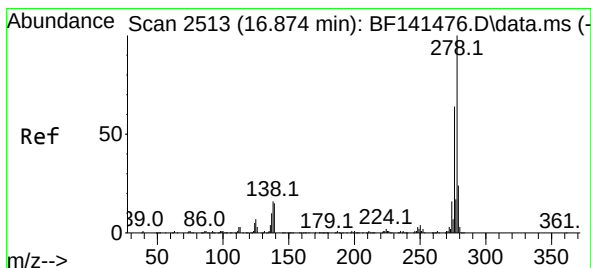
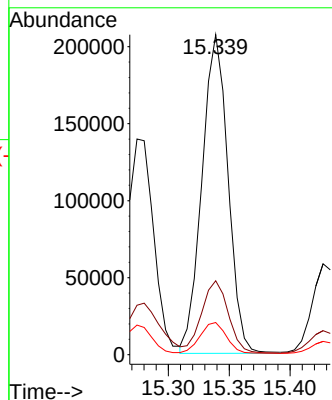
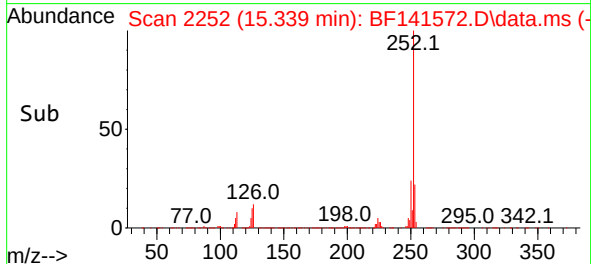
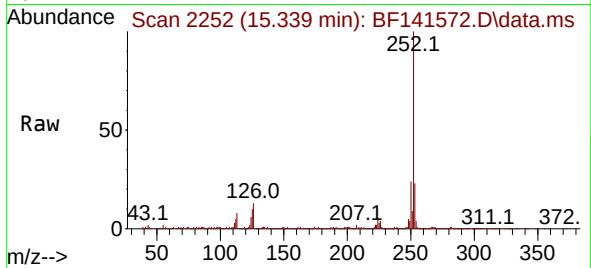
#90
Benzo(a)pyrene
Concen: 33.402 ng
RT: 15.339 min Scan# 210
Delta R.T. -0.023 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825

Tgt Ion:252 Resp: 30886
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 10.0 7.4 11.2

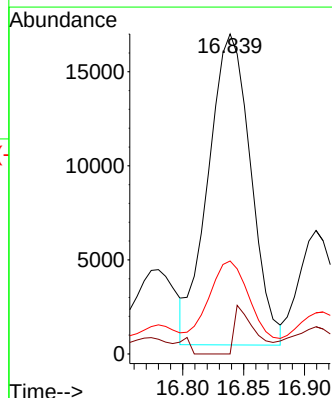
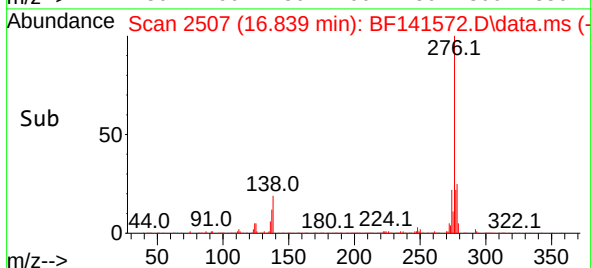
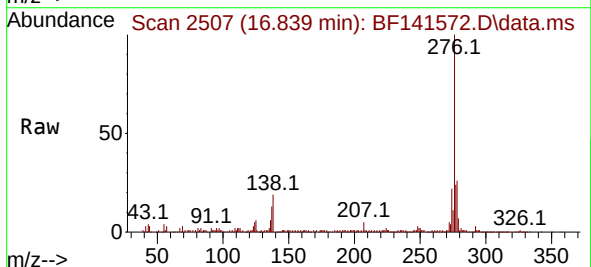
Manual Integrations
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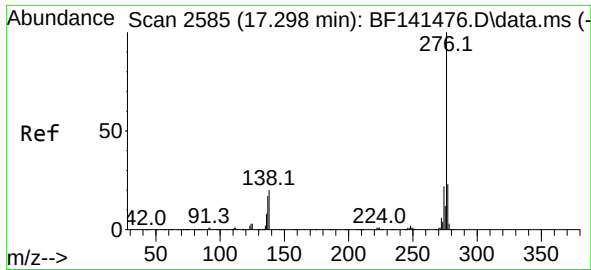
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 4.719 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.053 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

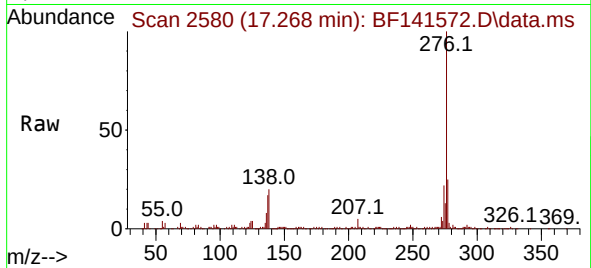
Tgt Ion:278 Resp: 40207
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6#
279 29.1 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 16.567 ng
RT: 17.268 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF141572.D
Acq: 11 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
JPP-29.1-012825



Tgt Ion: 276 Resp: 147728
Ion Ratio Lower Upper
276 100
277 24.5 18.6 28.0
138 19.9 15.9 23.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

