

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141516.D
 Acq On : 07 Feb 2025 19:02
 Operator : RC/JU
 Sample : Q1216-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-21.1-012825

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 22:25:25 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	6.792	152	86290	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	329638	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	156807	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	228703	20.000	ng	0.00
76) Chrysene-d12	13.963	240	157412	20.000	ng	0.00
86) Perylene-d12	15.427	264	120991	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	400166	72.703	ng	0.00
7) Phenol-d6	6.428	99	485966	69.856	ng	-0.01
23) Nitrobenzene-d5	7.351	82	314467	49.758	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	98339	62.430	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	527403	51.818	ng	0.00
79) Terphenyl-d14	12.904	244	432159	46.347	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	22824	2.539	ng	99
71) Phenanthrene	11.339	178	372594	29.597	ng	100
72) Anthracene	11.392	178	100278	7.924	ng	99
75) Fluoranthene	12.533	202	784240	58.758	ng	100
78) Pyrene	12.763	202	805487	60.111	ng	99
81) Benzo(a)anthracene	13.951	228	372538	35.603	ng	98
83) Chrysene	13.986	228	301853	31.242	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	120330	16.096	ng	95
88) Benzo(b)fluoranthene	15.010	252	314512m	38.714	ng	
89) Benzo(k)fluoranthene	15.021	252	105766m	15.246	ng	
90) Benzo(a)pyrene	15.362	252	226878	34.513	ng	96
91) Dibenzo(a,h)anthracene	16.880	278	30455	5.028	ng	# 89
92) Benzo(g,h,i)perylene	17.309	276	118385	18.675	ng	97

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

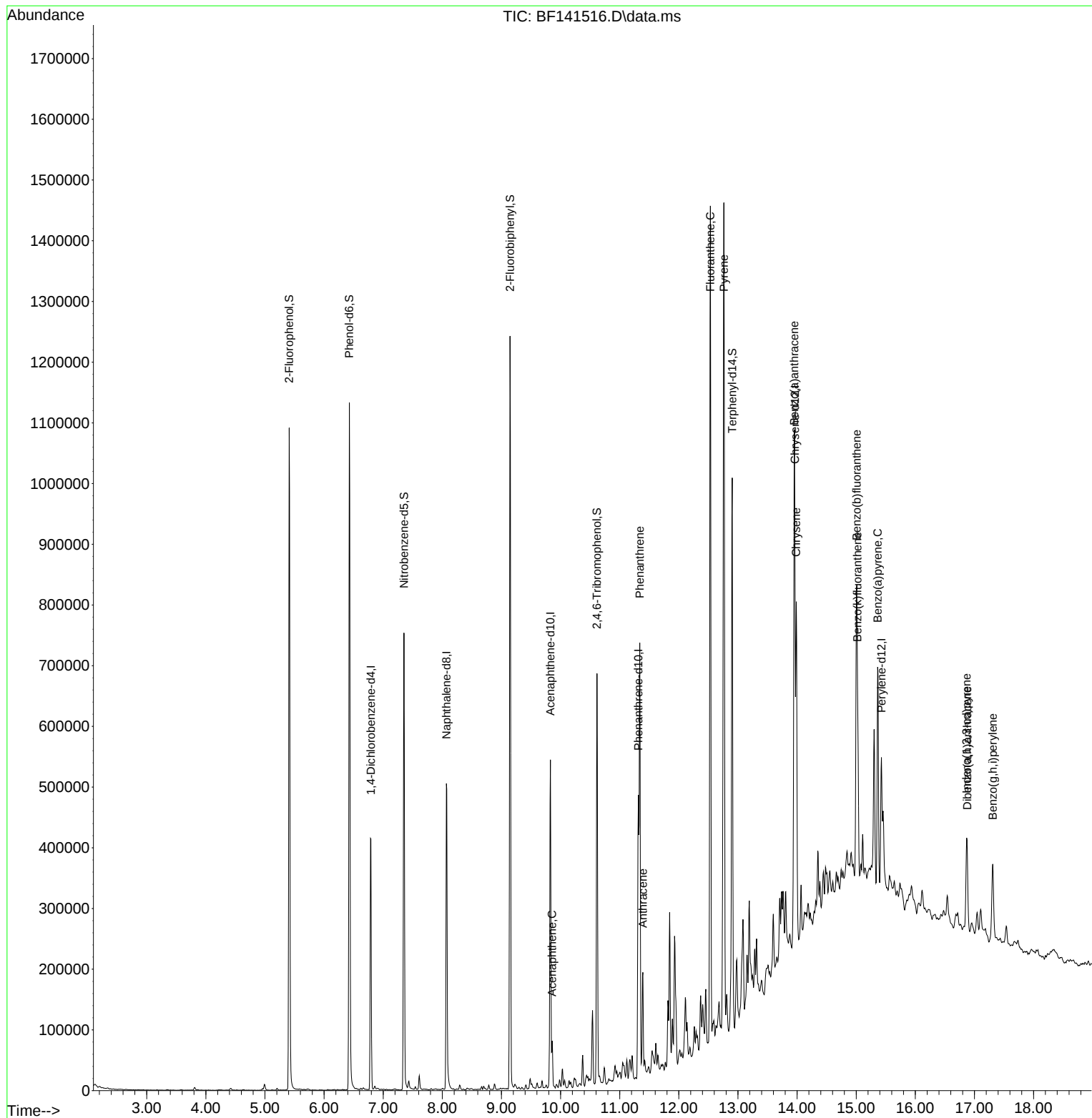
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141516.D
Acq On : 07 Feb 2025 19:02
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Sample : Q1216-07
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ALS Vial : 12 Sample Multiplier: 1

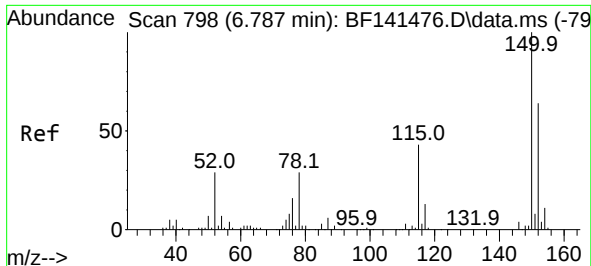
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Quant Time: Feb 07 22:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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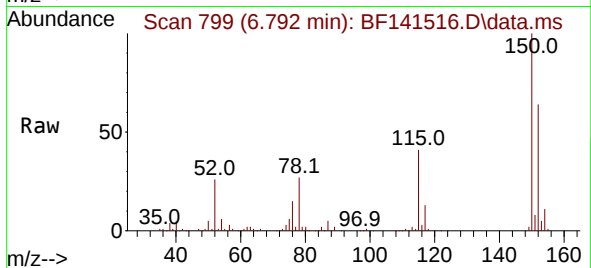
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

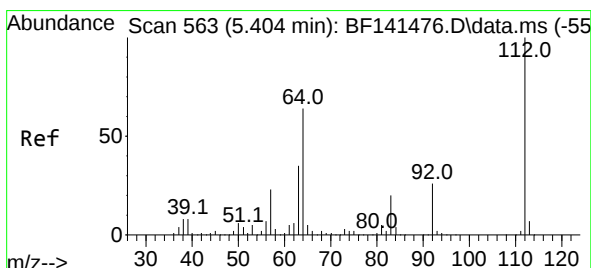
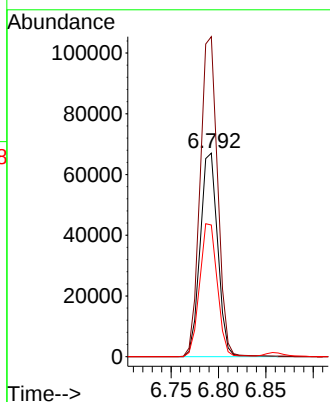
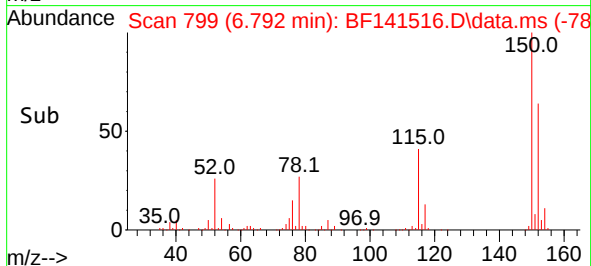
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825



Tgt Ion:152 Resp: 86290
Ion Ratio Lower Upper
152 100
150 157.2 125.0 187.4
115 64.7 53.6 80.4

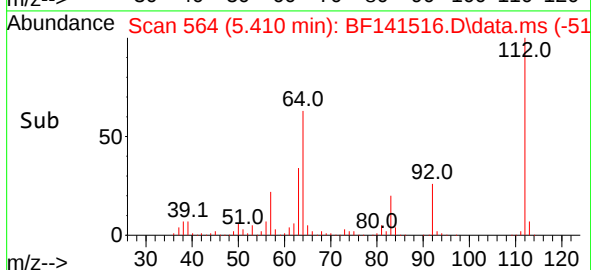
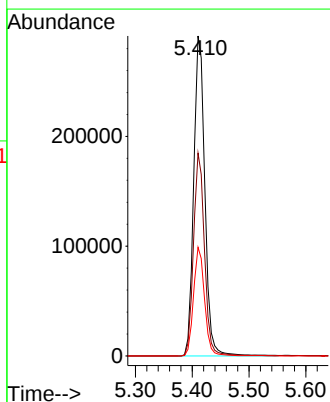
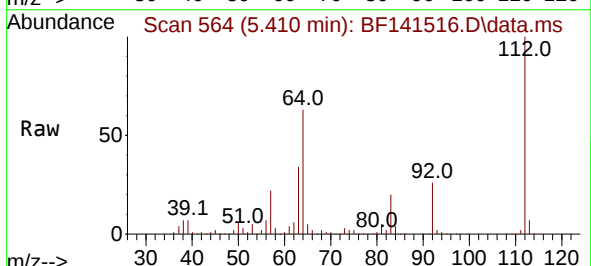
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Supervised By :mohammad ahmed 02/12/2025



#5
2-Fluorophenol
Concen: 72.703 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

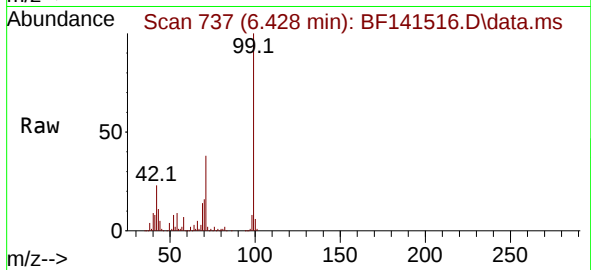
Tgt Ion:112 Resp: 400166
Ion Ratio Lower Upper
112 100
64 63.4 51.1 76.7
63 34.0 28.4 42.6





#7
Phenol-d6
Concen: 69.856 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

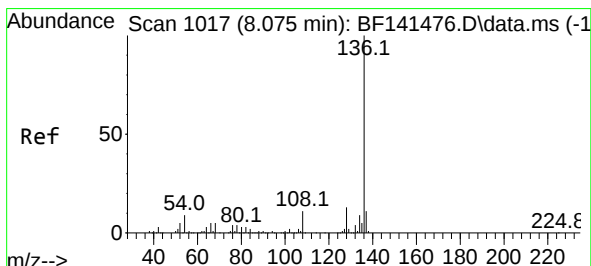
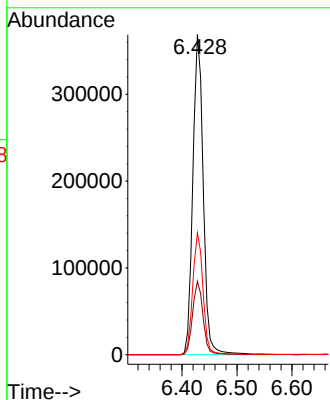
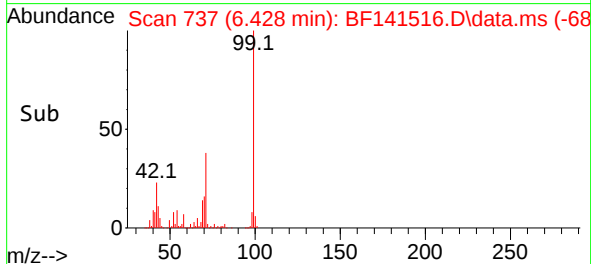
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825



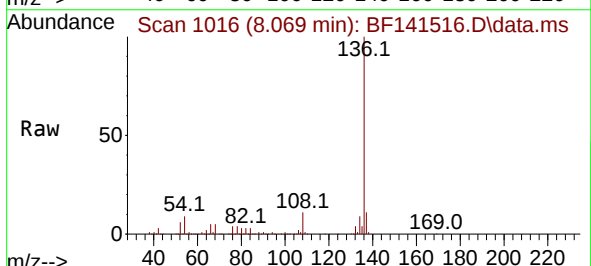
Tgt Ion: 99 Resp: 485960
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.1 31.1 46.7

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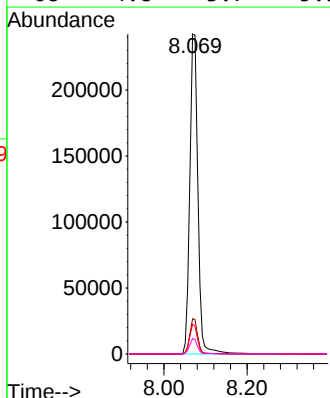
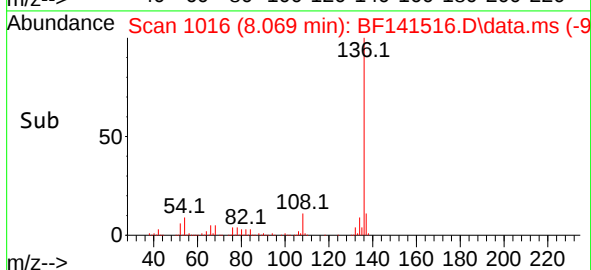
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

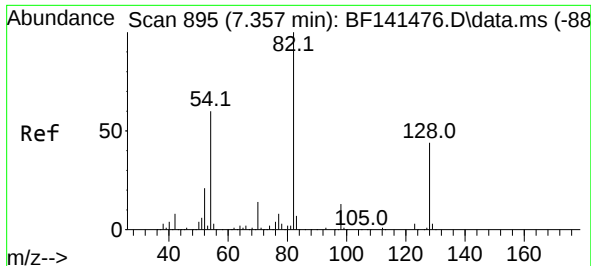


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02



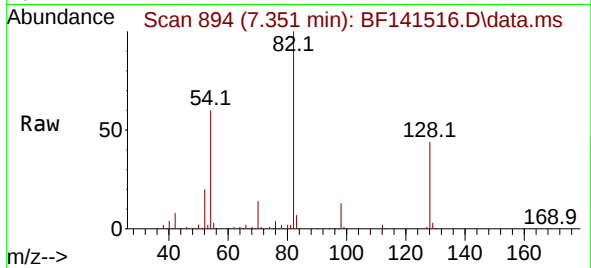
Tgt Ion:136 Resp: 329638
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.3 7.2 10.8
68 4.8 3.7 5.5





#23
Nitrobenzene-d5
Concen: 49.758 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

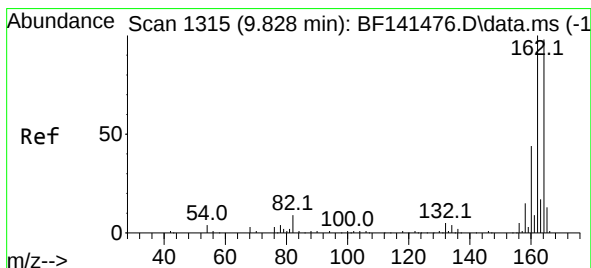
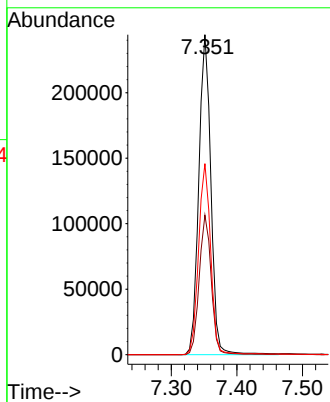
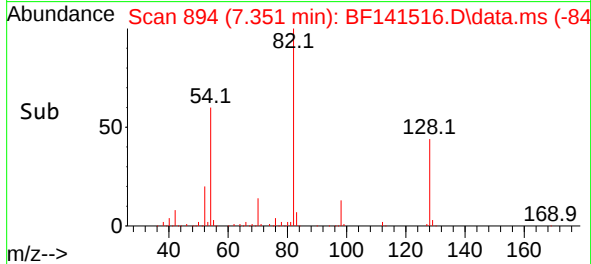
Instrument :
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Tgt Ion: 82 Resp: 31446
Ion Ratio Lower Upper
82 100
128 43.6 34.8 52.2
54 59.7 48.2 72.4

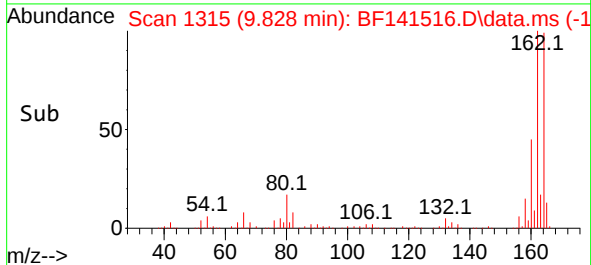
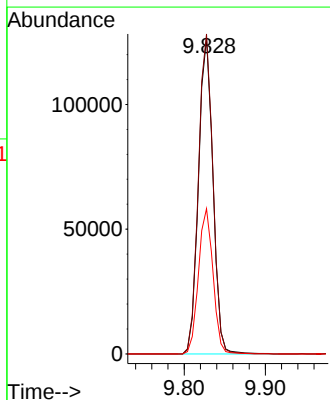
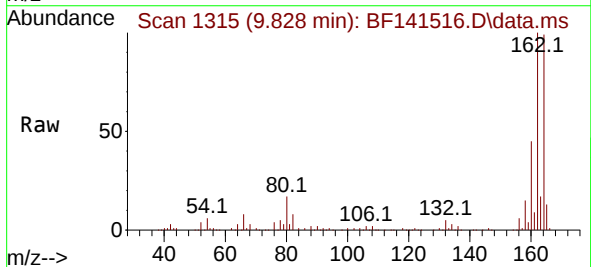
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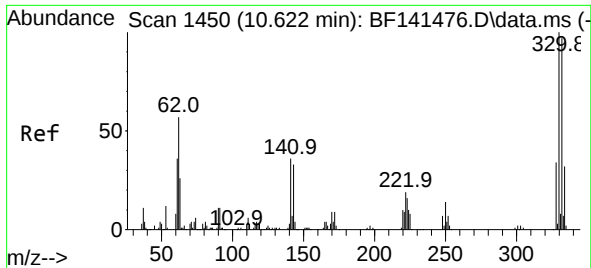
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

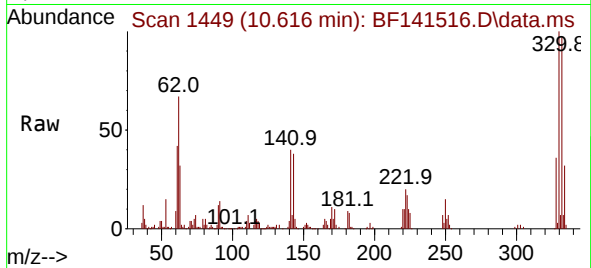
Tgt Ion:164 Resp: 156807
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 46.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 62.430 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

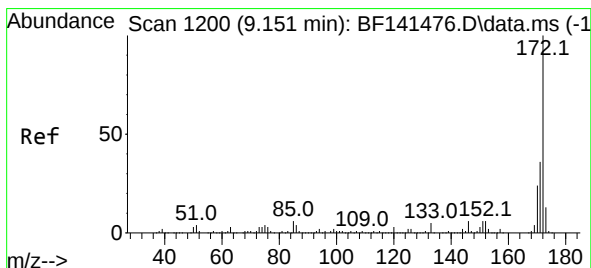
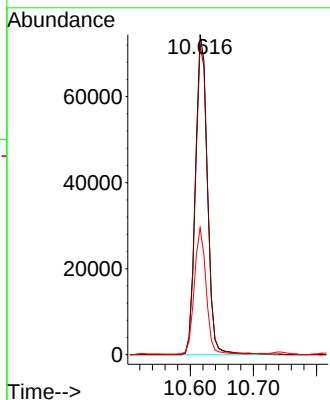
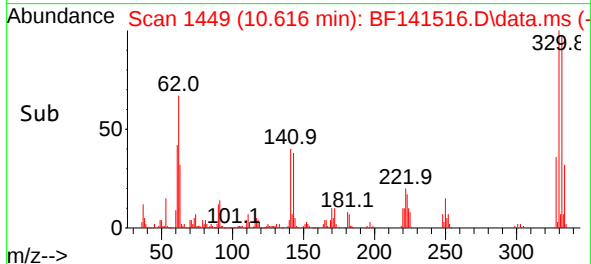
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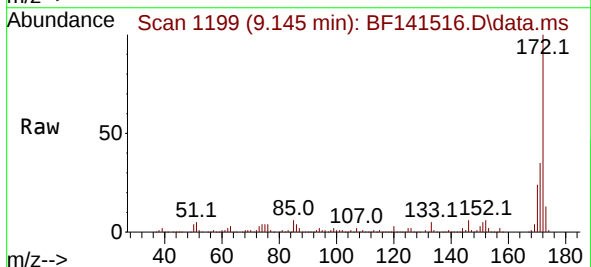
Tgt Ion: 330 Resp: 98339
Ion Ratio Lower Upper
330 100
332 97.4 78.5 117.7
141 38.4 31.0 46.4

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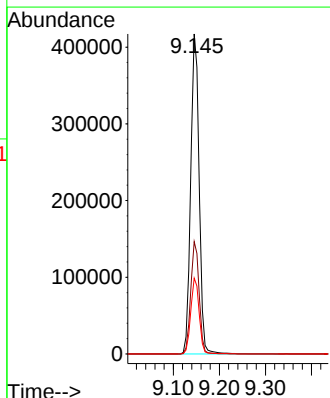
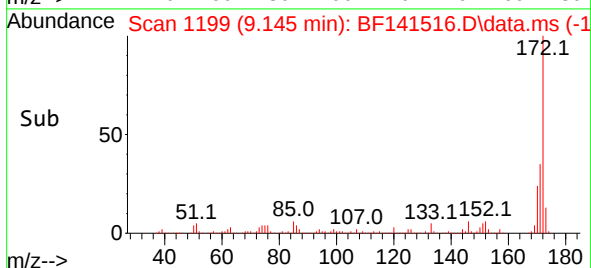
Reviewed By :Rahul Chavli 02/10/2025
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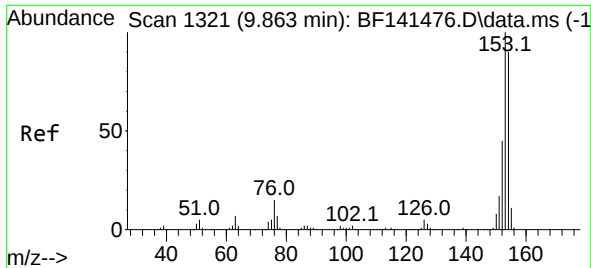


#45
2-Fluorobiphenyl
Concen: 51.818 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02



Tgt Ion: 172 Resp: 527403
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.7 18.9 28.3





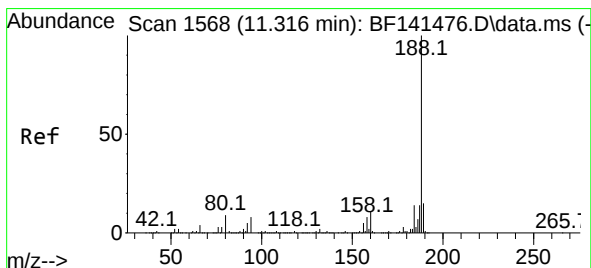
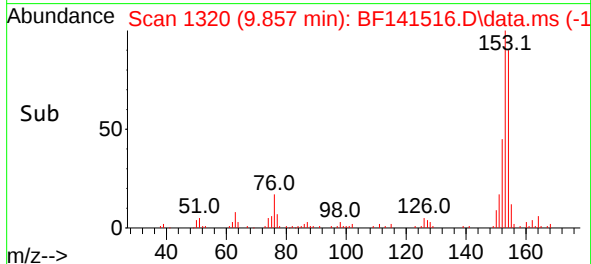
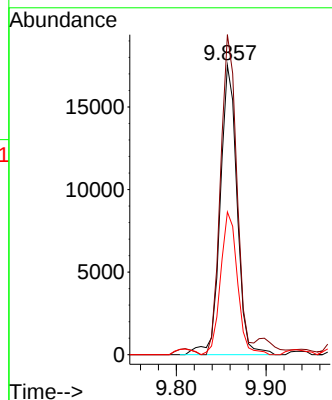
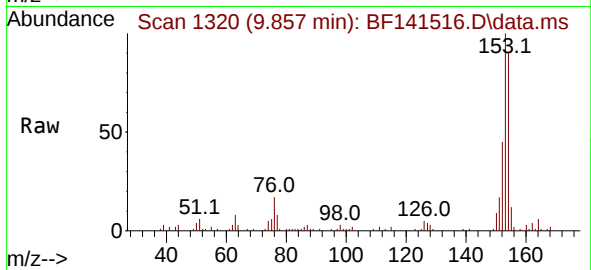
#52
Acenaphthene
Concen: 2.539 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Instrument :
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ClientSampleId :
JPP-21.1-012825

Tgt Ion:154 Resp: 22824
Ion Ratio Lower Upper
154 100
153 110.6 89.2 133.8
152 49.3 39.8 59.8

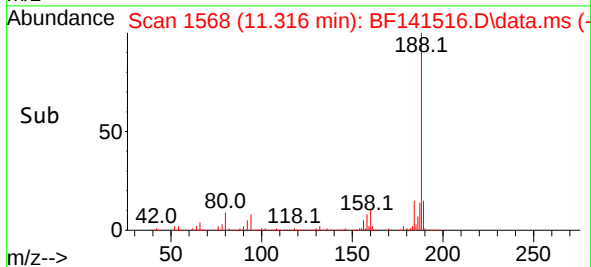
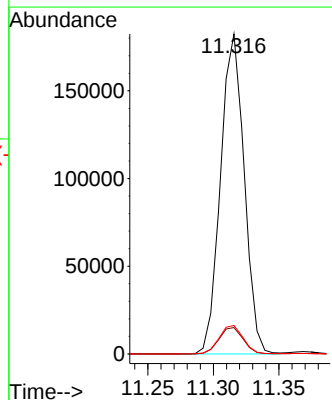
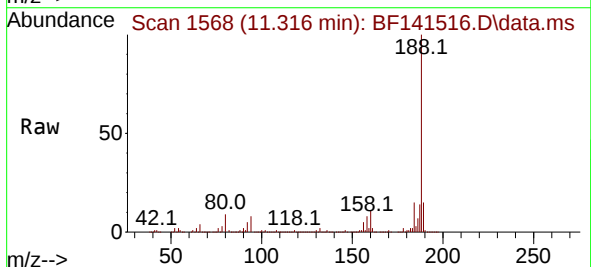
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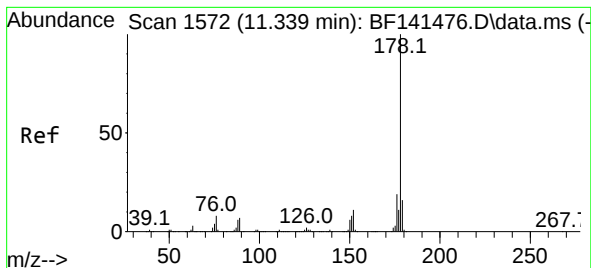
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

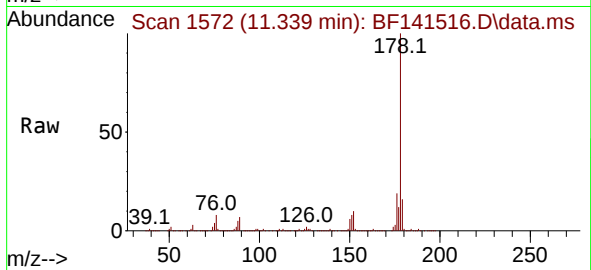
Tgt Ion:188 Resp: 228703
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.9 7.3 10.9





#71
Phenanthrene
Concen: 29.597 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

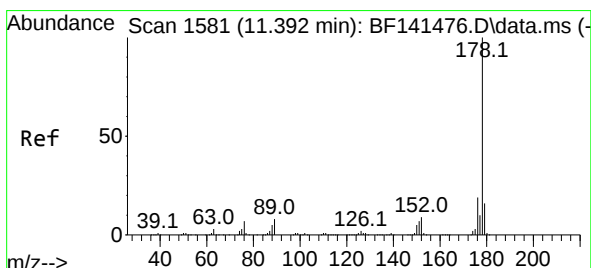
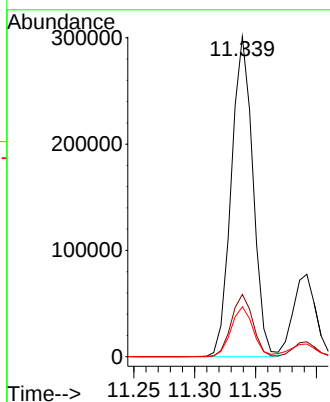
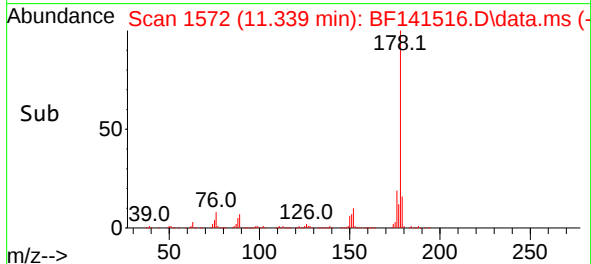
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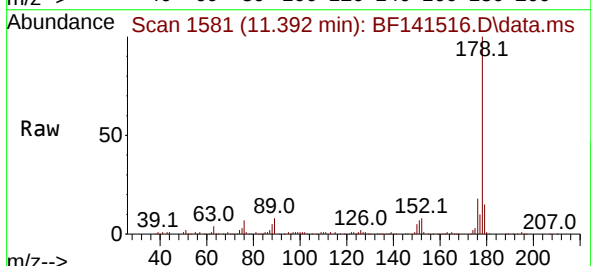
Tgt Ion:178 Resp: 372594
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.6 12.4 18.6

Manual Integrations
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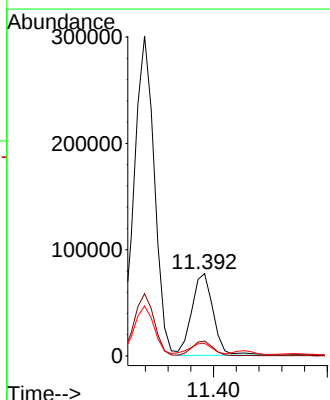
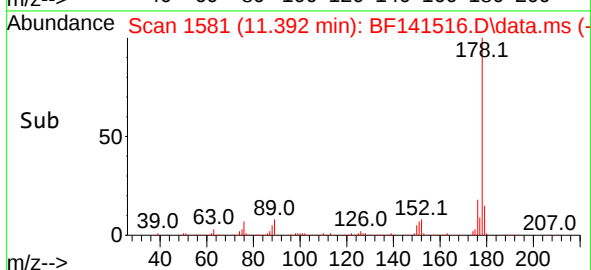
Reviewed By :Rahul Chavli 02/10/2025
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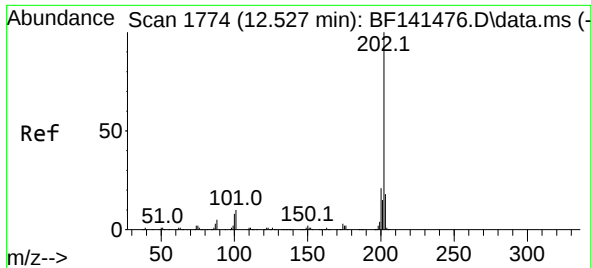


#72
Anthracene
Concen: 7.924 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02



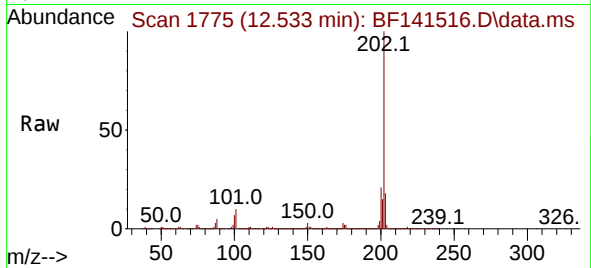
Tgt Ion:178 Resp: 100278
Ion Ratio Lower Upper
178 100
176 18.1 14.8 22.2
179 15.3 12.4 18.6





#75
Fluoranthene
Concen: 58.758 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

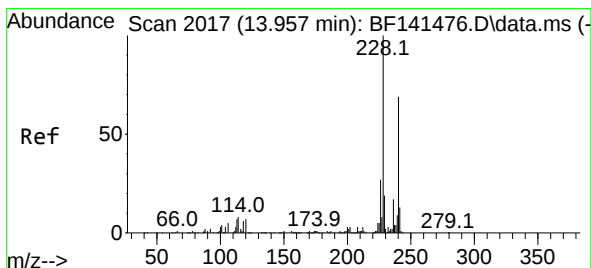
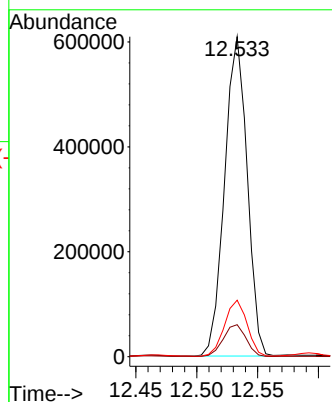
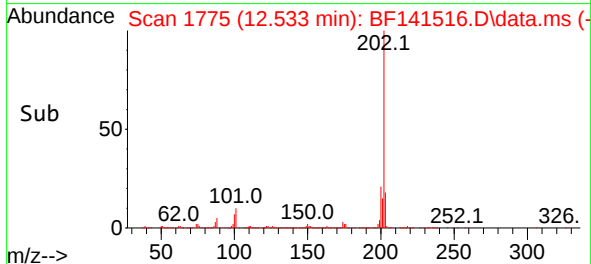
Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 784240
Ion Ratio Lower Upper
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101 10.0 0.0 30.2
203 17.7 0.0 37.6

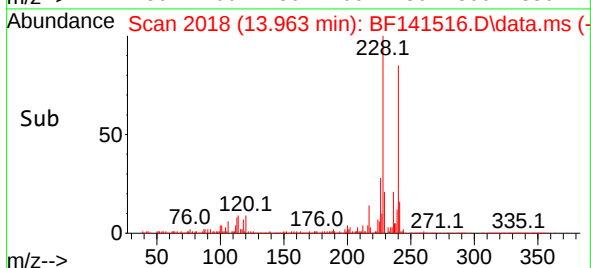
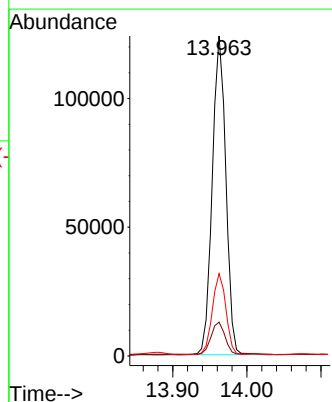
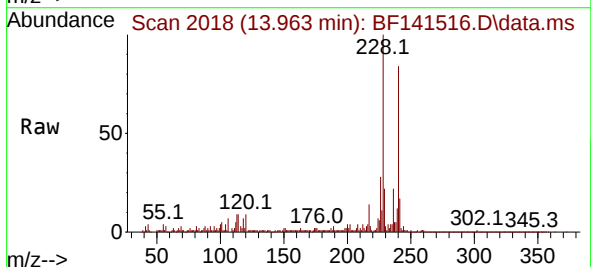
Manual Integrations
APPROVED

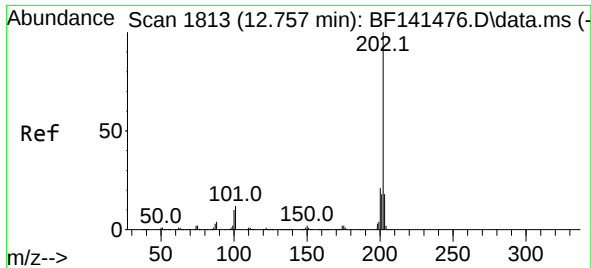
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

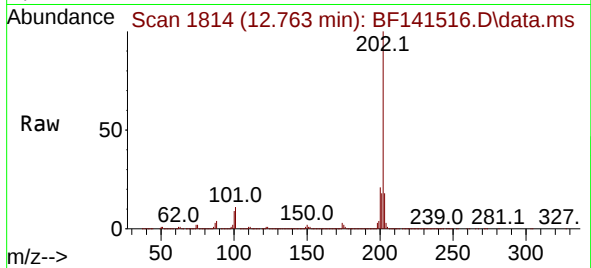
Tgt Ion:240 Resp: 157412
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 25.7 19.8 29.8





#78
Pyrene
Concen: 60.111 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

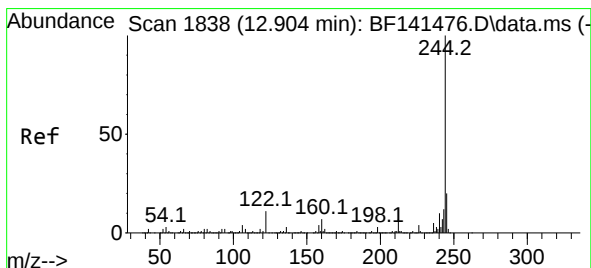
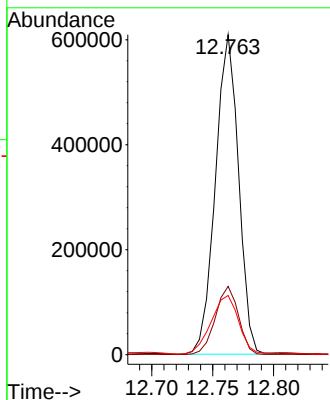
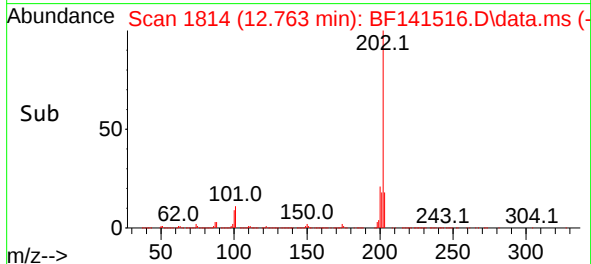
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825



Tgt Ion:202 Resp: 80548
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.5 14.3 21.5

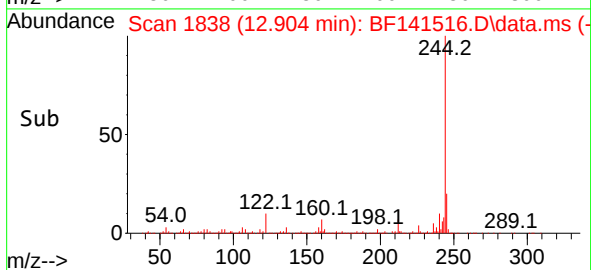
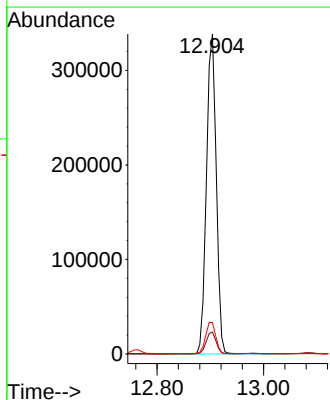
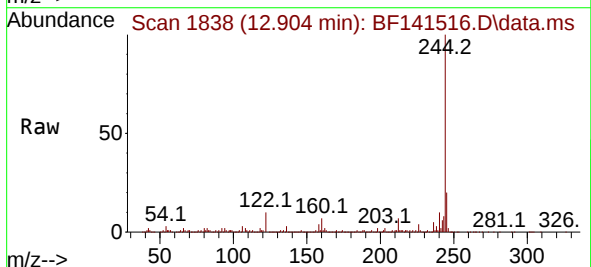
Manual Integrations
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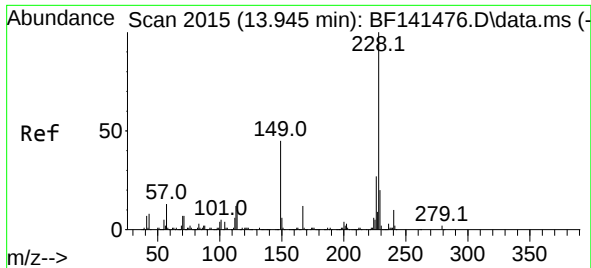
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#79
Terphenyl-d14
Concen: 46.347 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:244 Resp: 432159
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 9.8 8.4 12.6





#81
Benzo(a)anthracene
Concen: 35.603 ng
RT: 13.951 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Instrument :

BNA_F

ClientSampleId :

JPP-21.1-012825

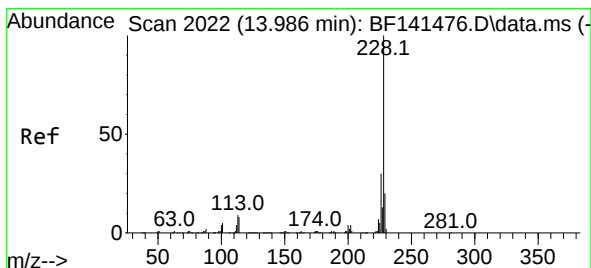
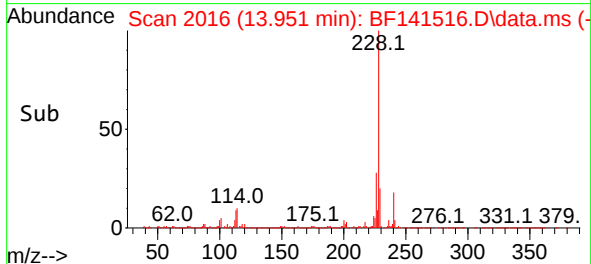
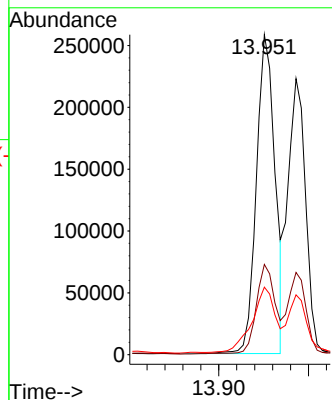
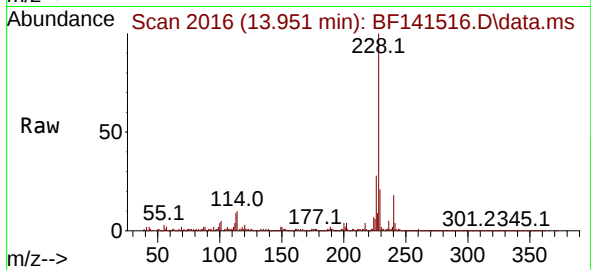
Tgt Ion:228 Resp: 372538
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 21.1 15.8 23.6

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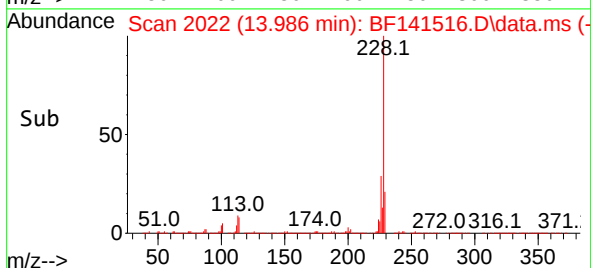
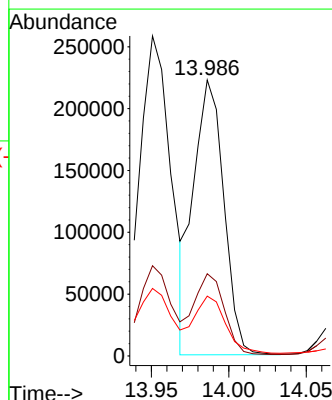
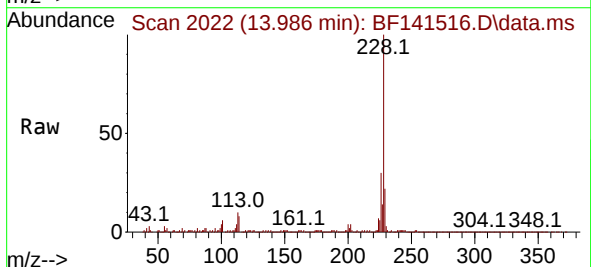
Reviewed By :Rahul Chavli 02/10/2025

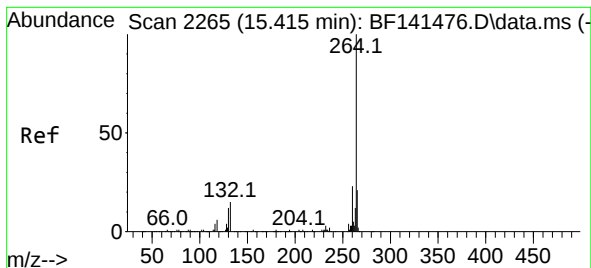
Supervised By :mohammad ahmed 02/12/2025



#83
Chrysene
Concen: 31.242 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

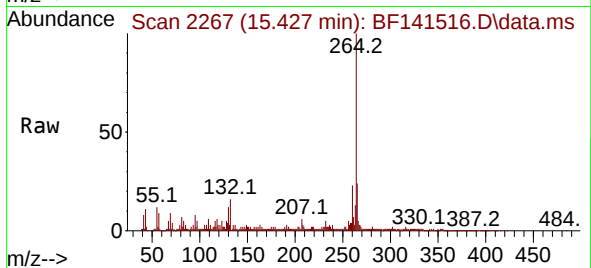
Tgt Ion:228 Resp: 301853
Ion Ratio Lower Upper
228 100
226 29.8 24.0 36.0
229 21.7 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

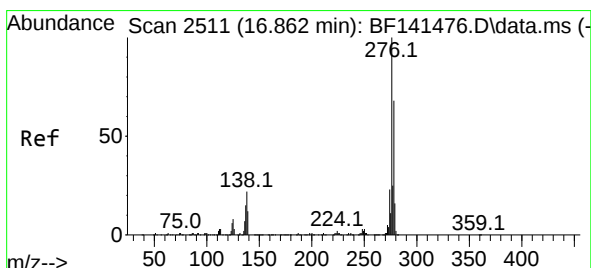
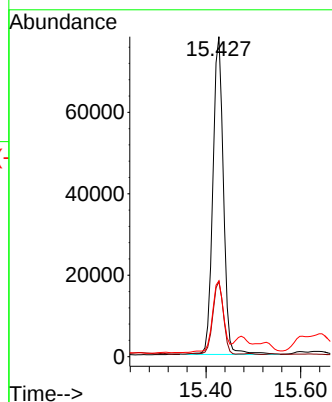
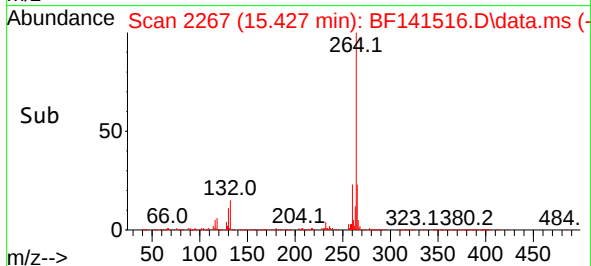
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825



Tgt Ion:264 Resp: 12099
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 23.7 17.0 25.4

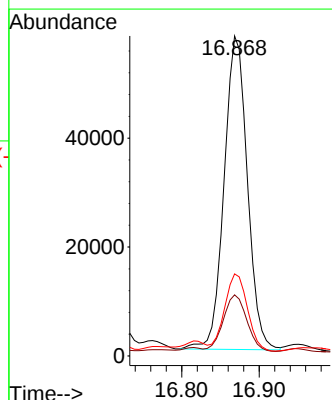
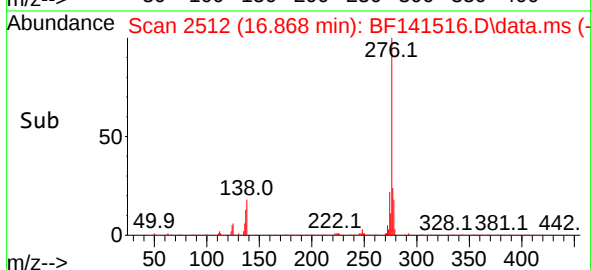
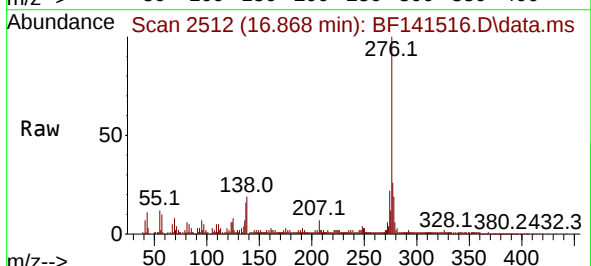
Manual Integrations
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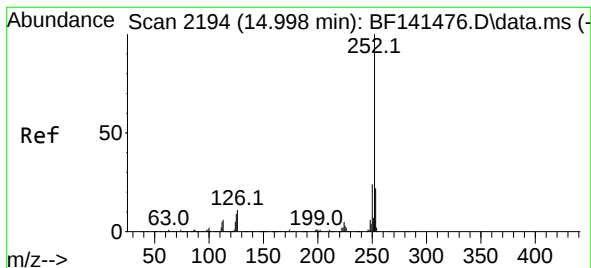
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 16.096 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Tgt Ion:276 Resp: 120330
Ion Ratio Lower Upper
276 100
138 19.0 18.0 27.0
277 24.1 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 38.714 ng m

RT: 15.010 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

Instrument :

BNF

ClientSampleId :

JPP-21.1-012825

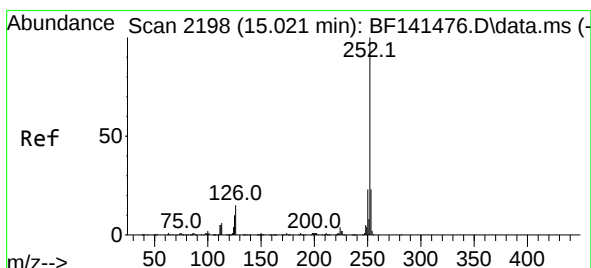
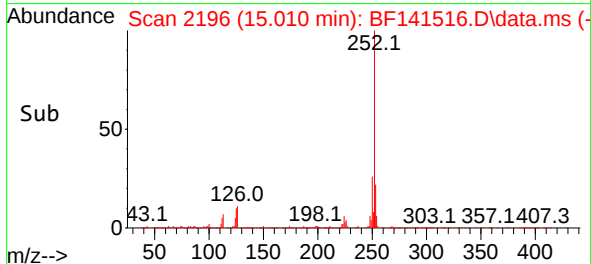
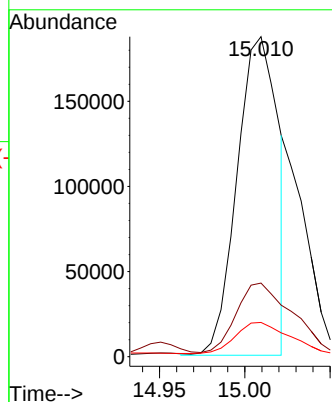
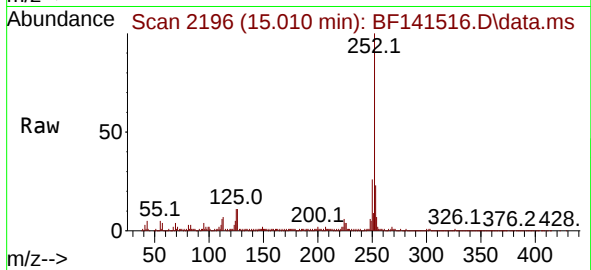
Tgt Ion:252 Resp: 314512
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 10.7 7.0 10.6

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#89

Benzo(k)fluoranthene

Concen: 15.246 ng m

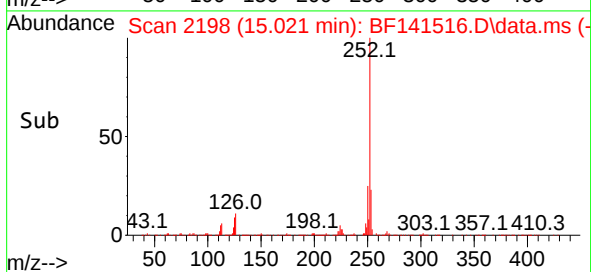
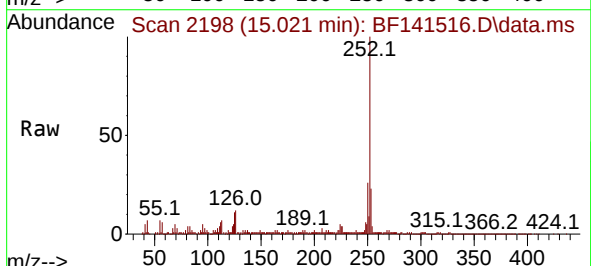
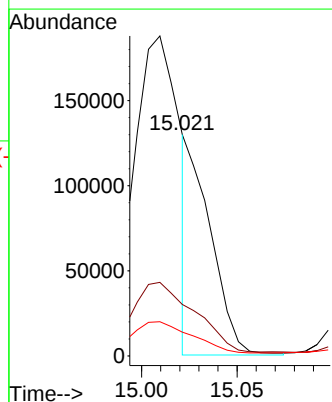
RT: 15.021 min Scan# 2198

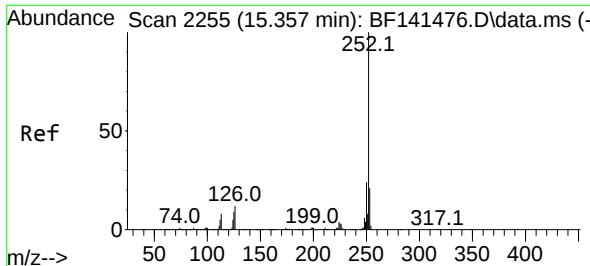
Delta R.T. -0.012 min

Lab File: BF141516.D

Acq: 07 Feb 2025 19:02

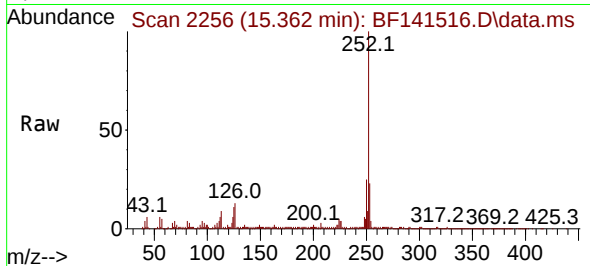
Tgt Ion:252 Resp: 105766
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.0 27.0
 125 10.8 7.4 11.0





#90
Benzo(a)pyrene
Concen: 34.513 ng
RT: 15.362 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

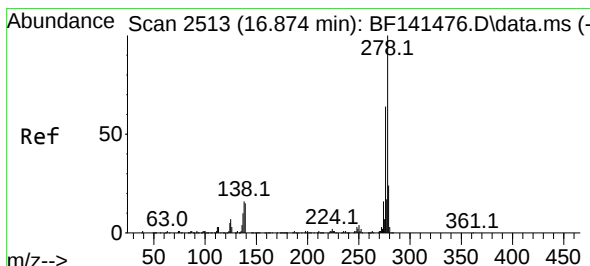
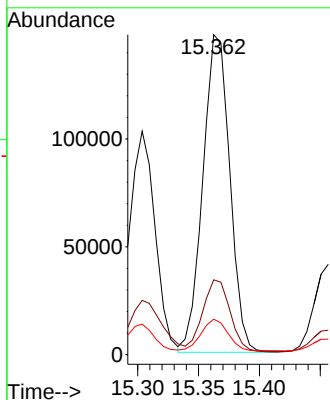
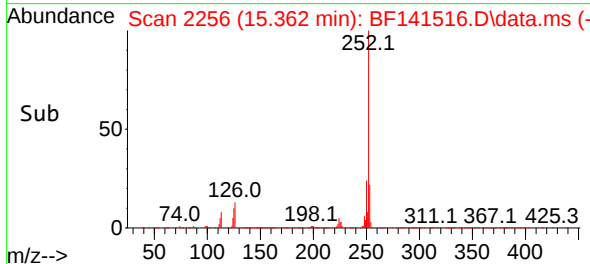
Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825



Tgt Ion:252 Resp: 226878
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.1 7.4 11.2

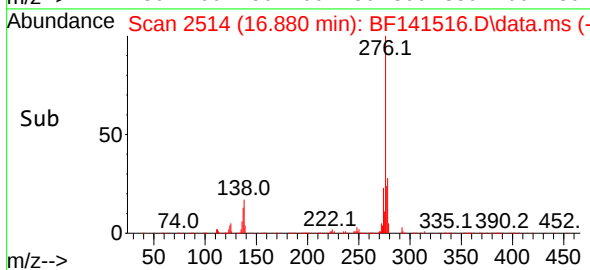
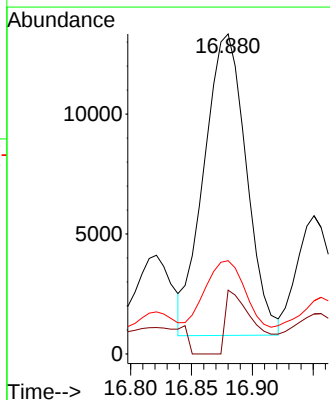
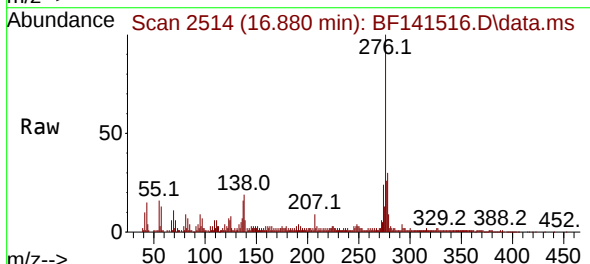
Manual Integrations
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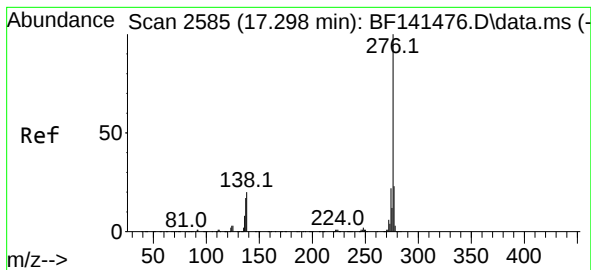
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 5.028 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

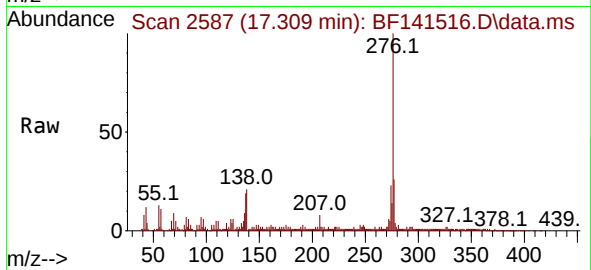
Tgt Ion:278 Resp: 30455
Ion Ratio Lower Upper
278 100
139 20.0 11.8 17.6#
279 29.2 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 18.675 ng
RT: 17.309 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141516.D
Acq: 07 Feb 2025 19:02

Instrument :
BNA_F
ClientSampleId :
JPP-21.1-012825



Tgt Ion:276 Resp: 11838
Ion Ratio Lower Upper
276 100
277 25.5 18.6 28.0
138 20.6 15.9 23.9

Manual Integrations
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Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

