

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141548.D
 Acq On : 10 Feb 2025 21:12
 Operator : RC/JU
 Sample : Q1216-15DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025

Quant Time: Feb 11 00:10:25 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	6.786	152	74035	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	289660	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	144714	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	197252	20.000	ng	0.00
76) Chrysene-d12	13.951	240	174653	20.000	ng	-0.01
86) Perylene-d12	15.409	264	154420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	88865	18.818	ng	0.00
7) Phenol-d6	6.422	99	109784	18.393	ng	-0.02
23) Nitrobenzene-d5	7.345	82	71121	12.807	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	20355	14.002	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	117797	12.541	ng	0.00
79) Terphenyl-d14	12.892	244	86634	8.374	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.851	154	19654	2.369	ng	99
71) Phenanthrene	11.333	178	369401	34.022	ng	100
72) Anthracene	11.380	178	102524	9.393	ng	99
75) Fluoranthene	12.527	202	864822	75.127	ng	99
78) Pyrene	12.757	202	885039	59.528	ng	99
81) Benzo(a)anthracene	13.945	228	533419	45.946	ng	98
83) Chrysene	13.980	228	378245	35.284	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	164290	17.219	ng	94
88) Benzo(b)fluoranthene	14.992	252	489044m	47.166	ng	
89) Benzo(k)fluoranthene	15.004	252	189292m	21.380	ng	
90) Benzo(a)pyrene	15.345	252	352689	42.037	ng	96
91) Dibenzo(a,h)anthracene	16.851	278	37455m	4.845	ng	
92) Benzo(g,h,i)perylene	17.274	276	150699	18.627	ng	99

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

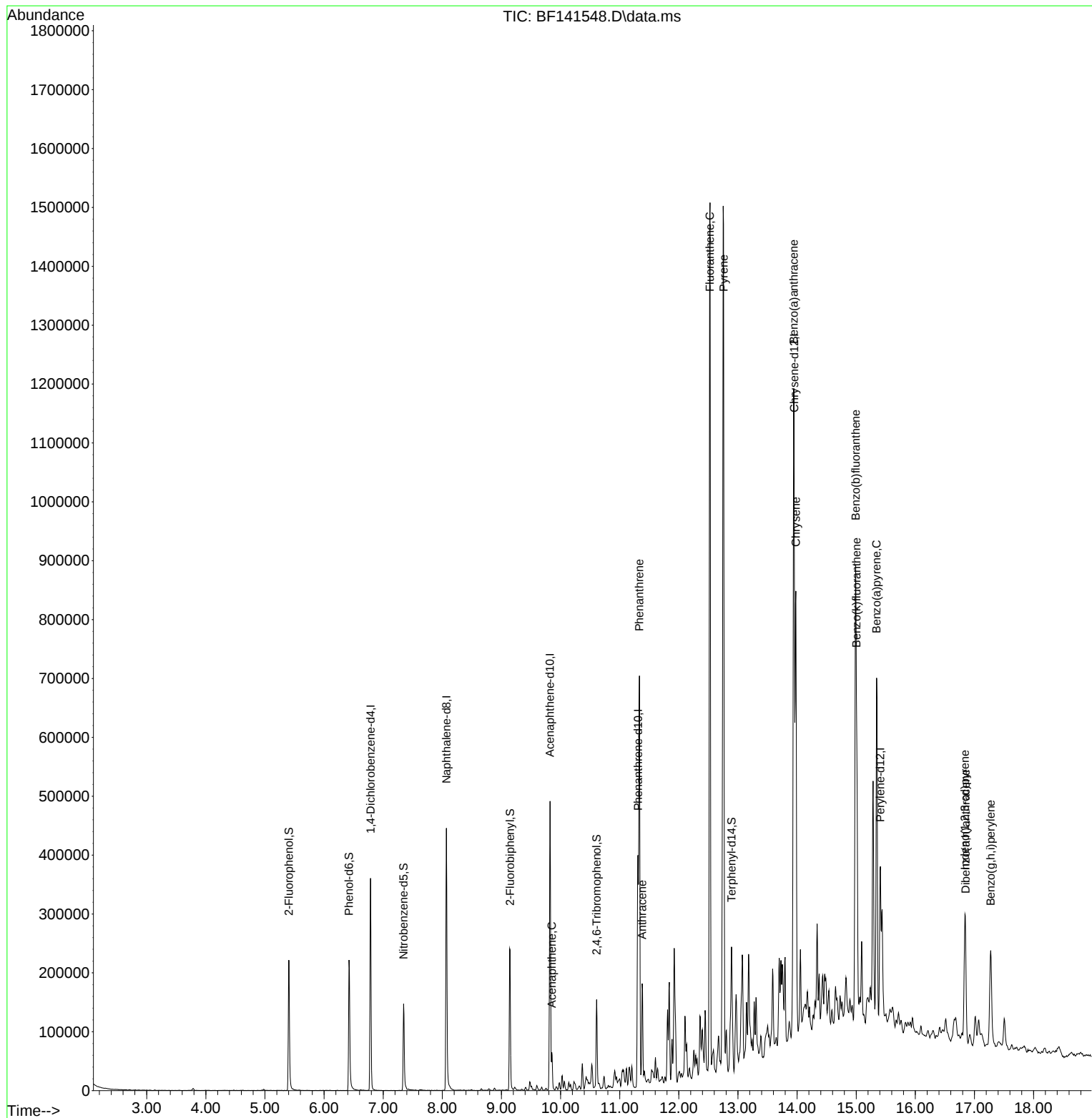
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141548.D
Acq On : 10 Feb 2025 21:12
Operator : RC/JU
Sample : Q1216-15DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

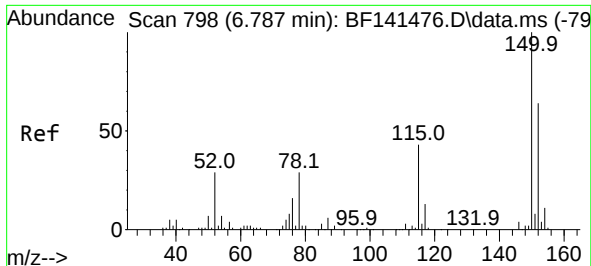
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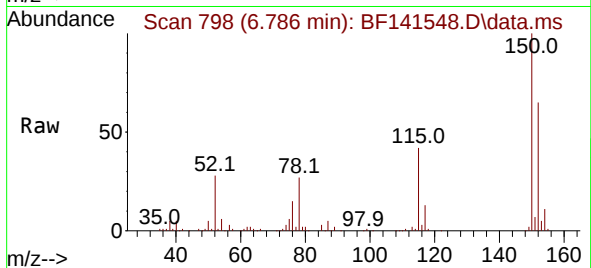
Quant Time: Feb 11 00:10:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

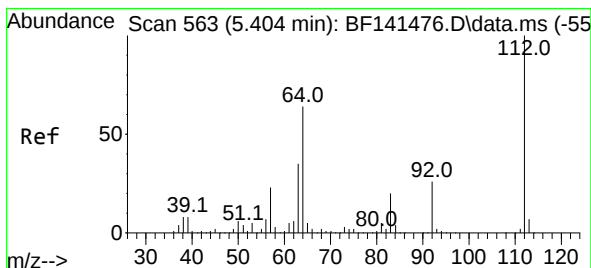
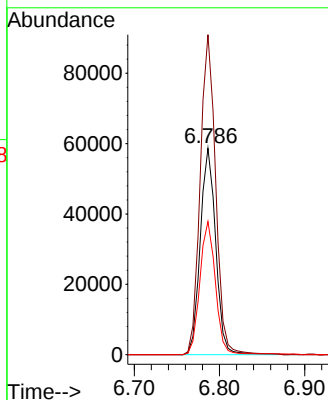
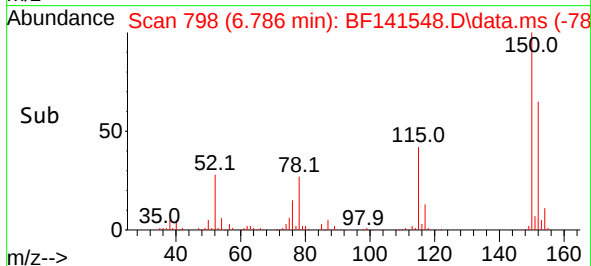
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL



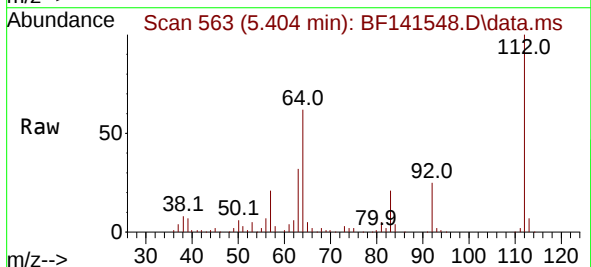
Tgt Ion:152 Resp: 74035
Ion Ratio Lower Upper
152 100
150 155.0 125.0 187.4
115 64.5 53.6 80.4

Manual Integrations
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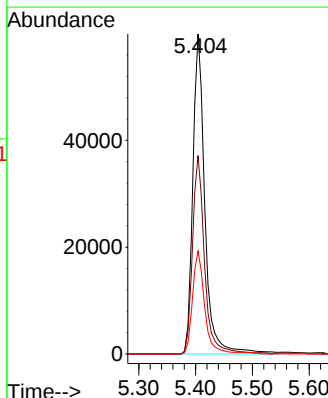
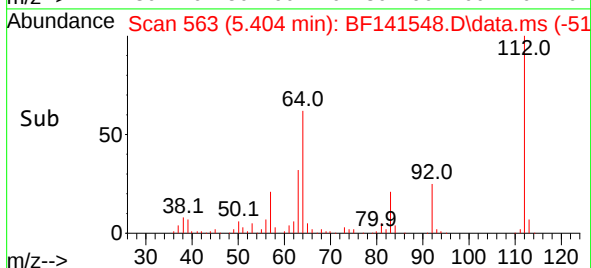
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#5
2-Fluorophenol
Concen: 18.818 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12



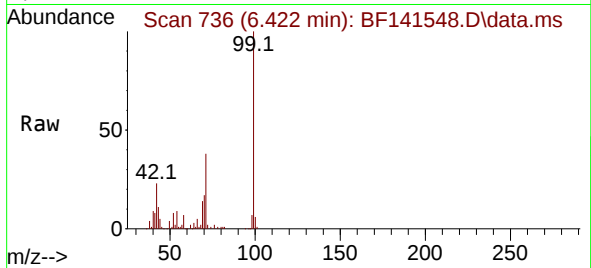
Tgt Ion:112 Resp: 88865
Ion Ratio Lower Upper
112 100
64 62.0 51.1 76.7
63 32.2 28.4 42.6





#7
Phenol-d6
Concen: 18.393 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

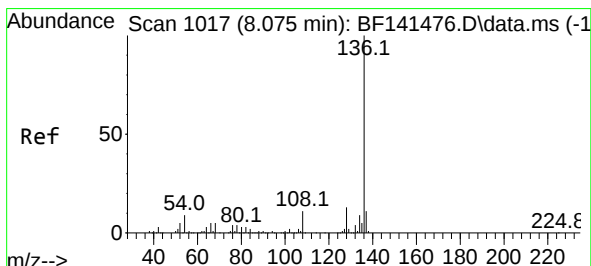
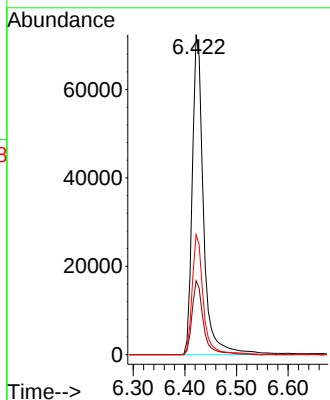
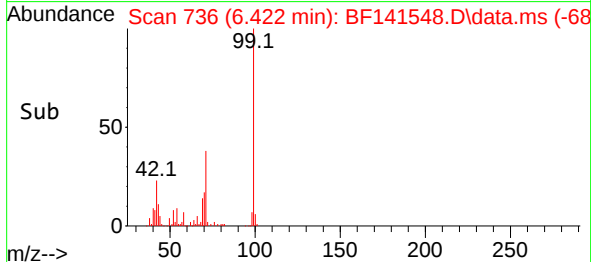
Instrument :
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ClientSampleId :
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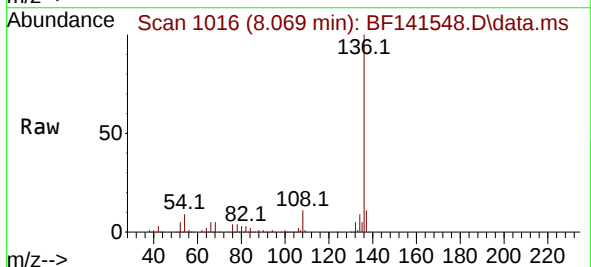
Tgt Ion: 99 Resp: 109784
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 37.5 31.1 46.7

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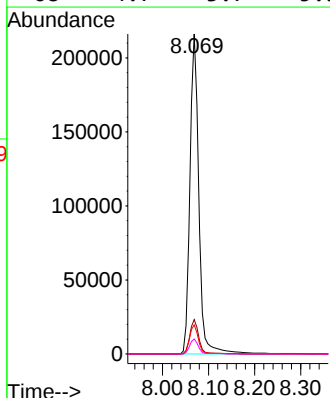
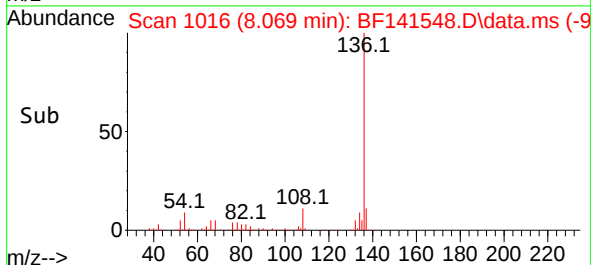
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12



Tgt Ion:136 Resp: 289660
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.1 7.2 10.8
68 4.7 3.7 5.5





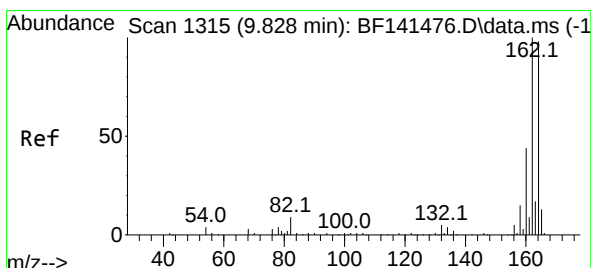
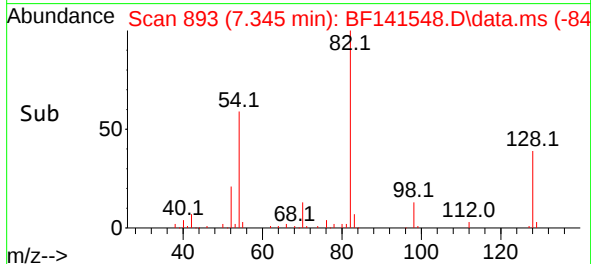
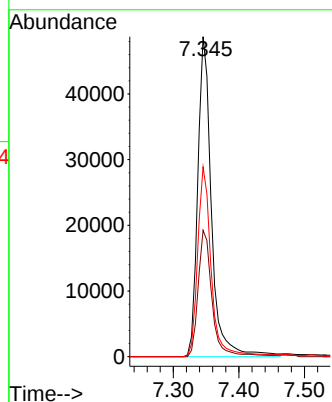
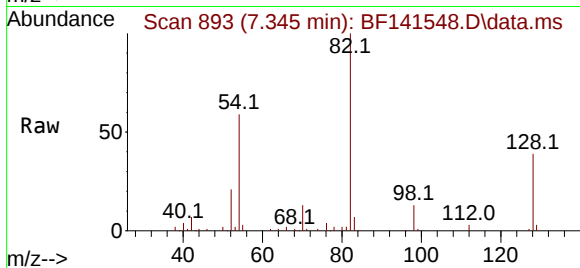
#23
Nitrobenzene-d5
Concen: 12.807 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL

Tgt Ion: 82 Resp: 7112
Ion Ratio Lower Upper
82 100
128 39.5 34.8 52.2
54 59.3 48.2 72.4

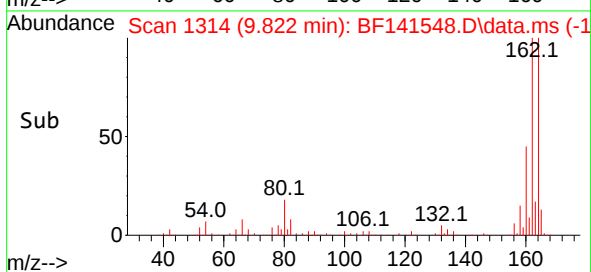
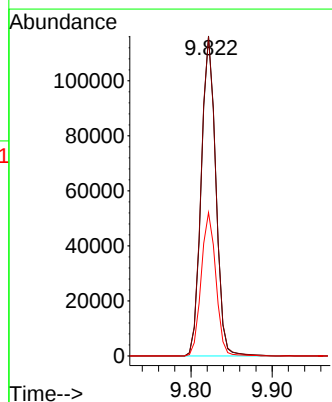
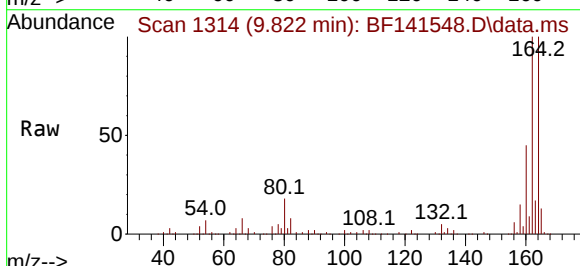
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

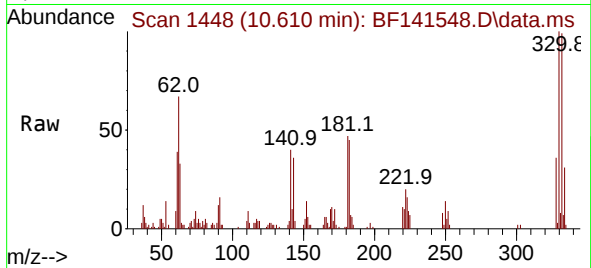
Tgt Ion:164 Resp: 144714
Ion Ratio Lower Upper
164 100
162 99.8 81.3 121.9
160 44.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 14.002 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

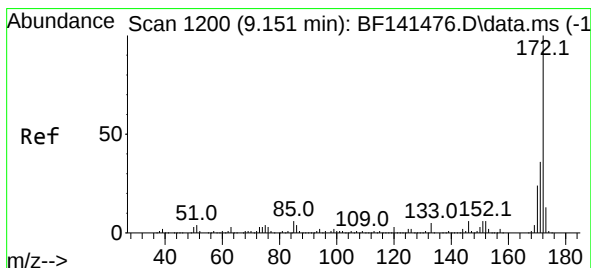
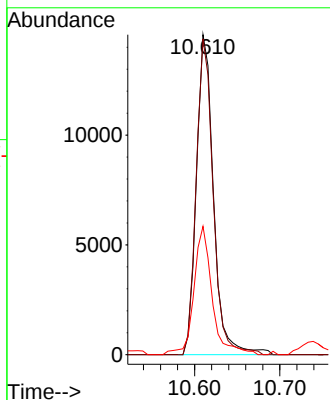
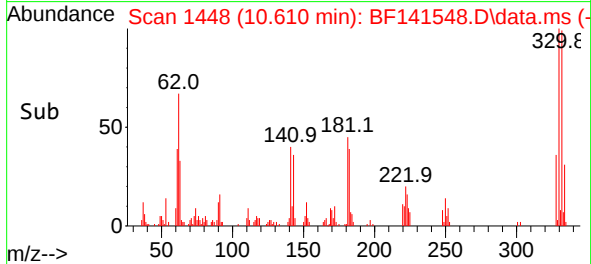
Instrument :
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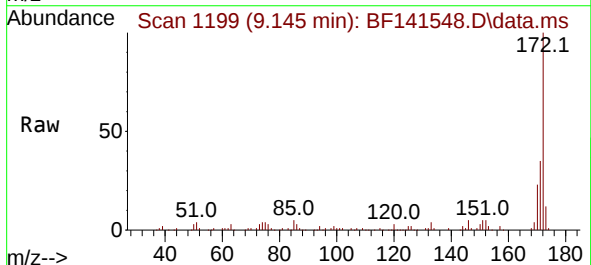
Tgt Ion: 330 Resp: 2035
Ion Ratio Lower Upper
330 100
332 97.7 78.5 117.7
141 42.7 31.0 46.4

Manual Integrations
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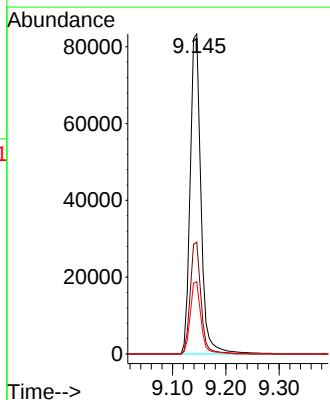
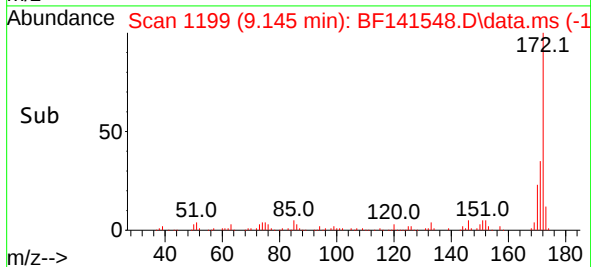
Reviewed By :Anahy Claudio 02/11/2025
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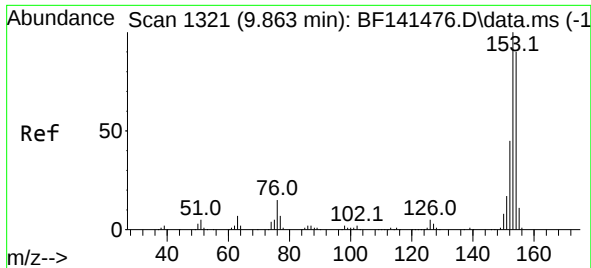


#45
2-Fluorobiphenyl
Concen: 12.541 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12



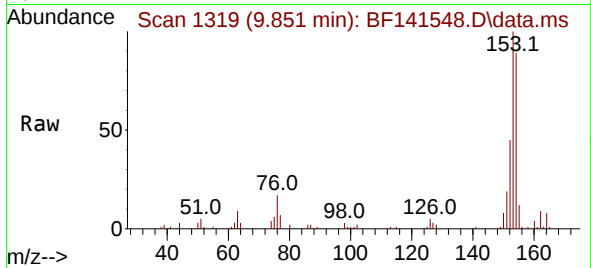
Tgt Ion: 172 Resp: 117797
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 22.6 18.9 28.3





#52
Acenaphthene
Concen: 2.369 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

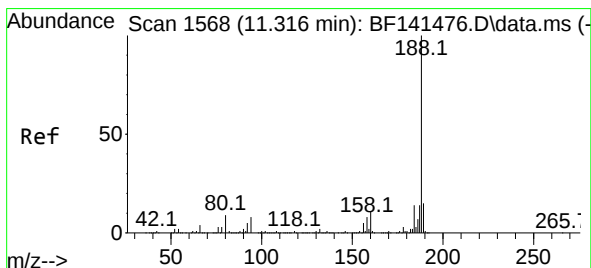
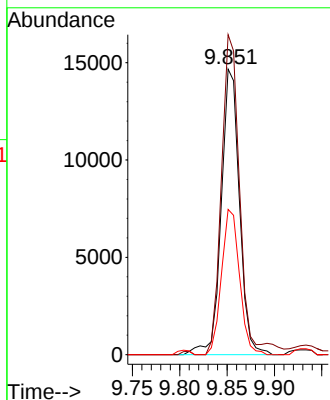
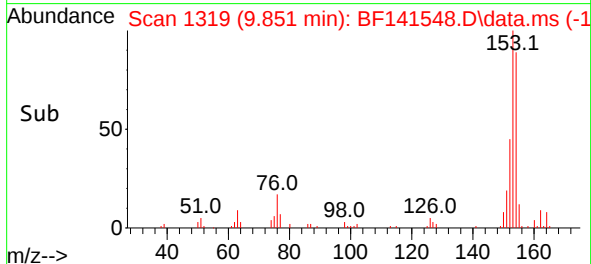
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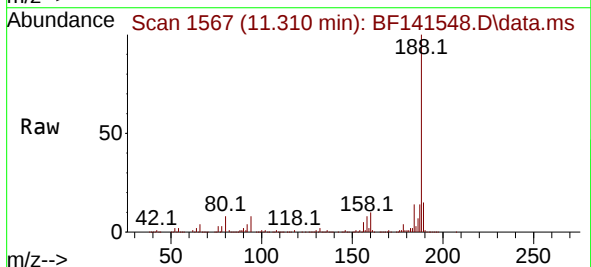
Tgt Ion:154 Resp: 19654
Ion Ratio Lower Upper
154 100
153 112.0 89.2 133.8
152 50.9 39.8 59.8

Manual Integrations
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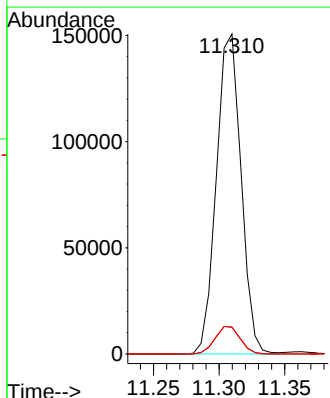
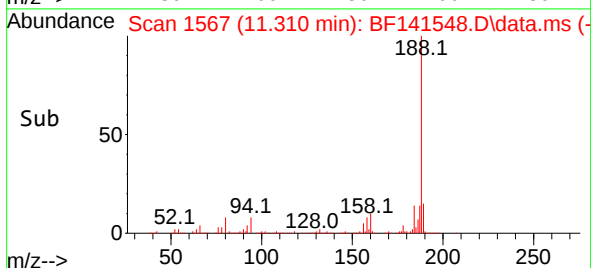
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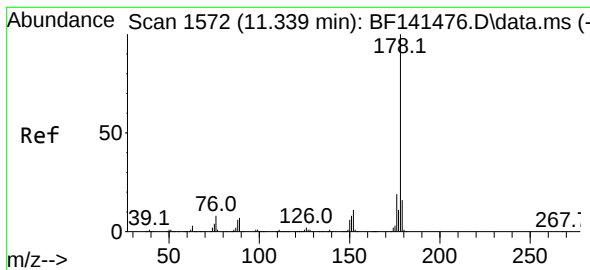


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12



Tgt Ion:188 Resp: 197252
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 8.4 7.3 10.9





#71

Phenanthrene

Concen: 34.022 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141548.D

Acq: 10 Feb 2025 21:12

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825DL

Tgt Ion:178 Resp: 36940

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

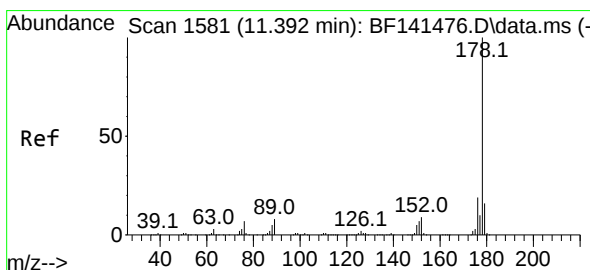
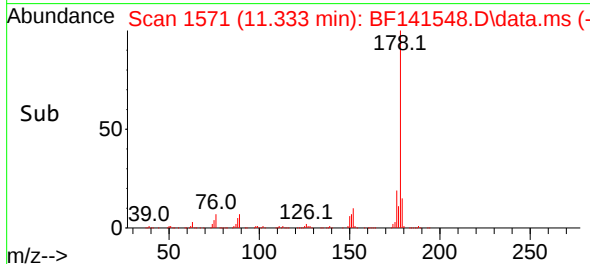
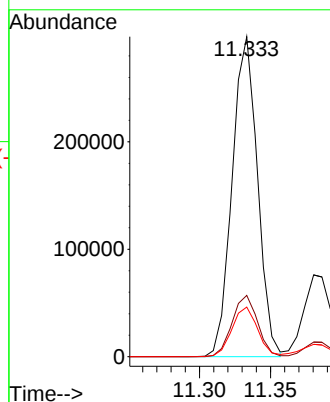
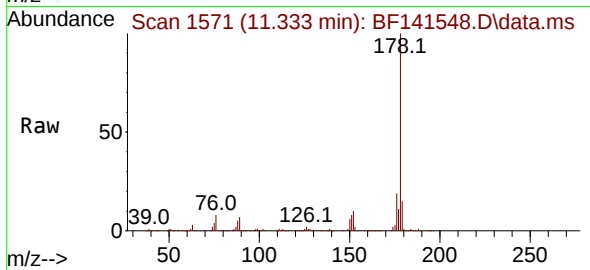
179 15.5 12.4 18.6

Manual Integrations

APPROVED

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#72

Anthracene

Concen: 9.393 ng

RT: 11.380 min Scan# 1579

Delta R.T. -0.018 min

Lab File: BF141548.D

Acq: 10 Feb 2025 21:12

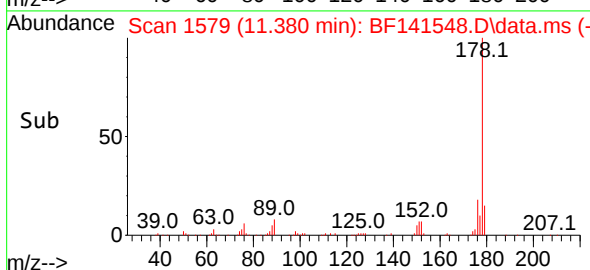
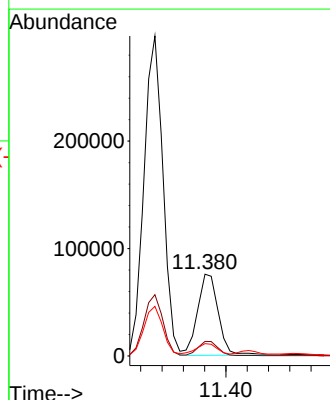
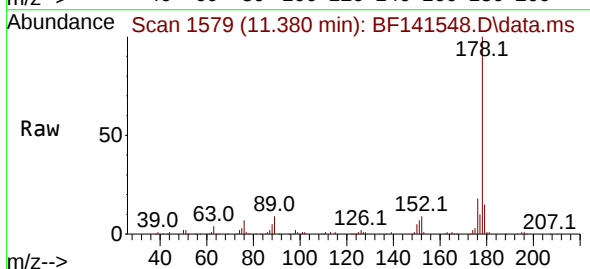
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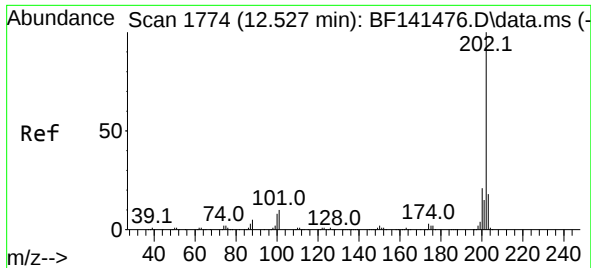
Ion Ratio Lower Upper

178 100

176 17.9 14.8 22.2

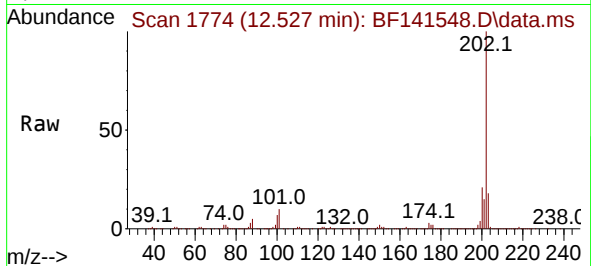
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 75.127 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

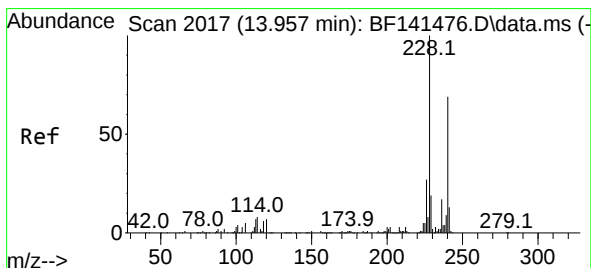
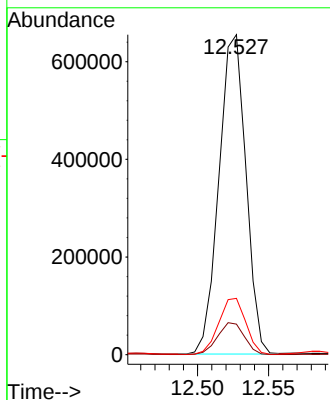
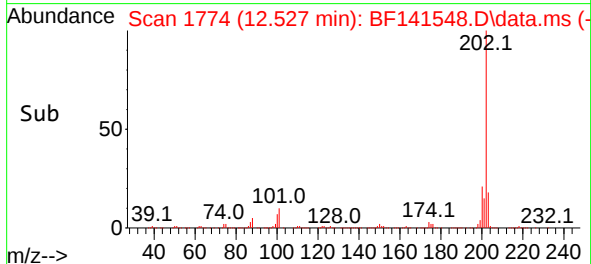
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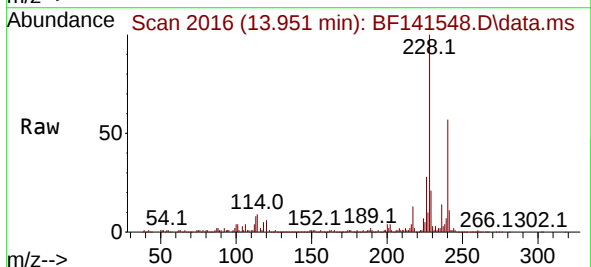
Tgt Ion:202 Resp: 86482
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
203 17.6 0.0 37.6

Manual Integrations
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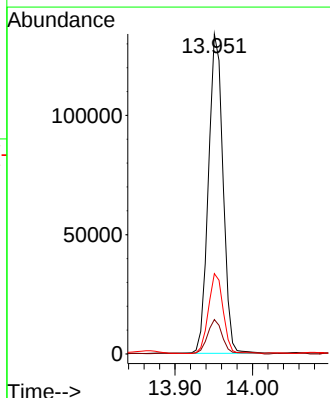
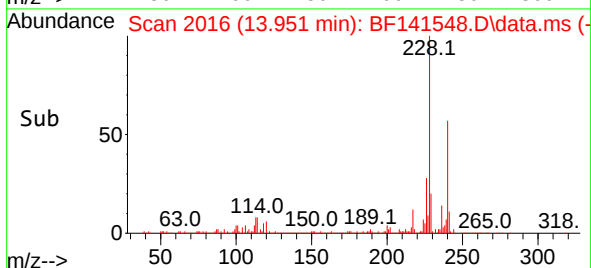
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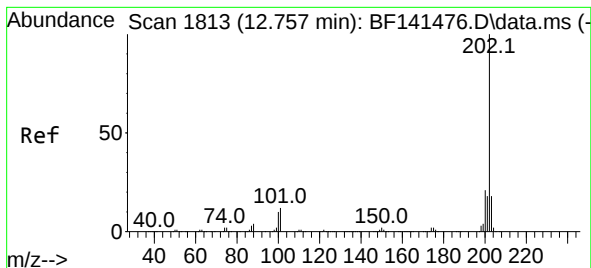


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12



Tgt Ion:240 Resp: 174653
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 25.1 19.8 29.8





#78

Pyrene

Concen: 59.528 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF141548.D

Acq: 10 Feb 2025 21:12

Instrument :

BNA_F

ClientSampleId :

JPP-26.1-012825DL

Tgt Ion:202 Resp: 885039

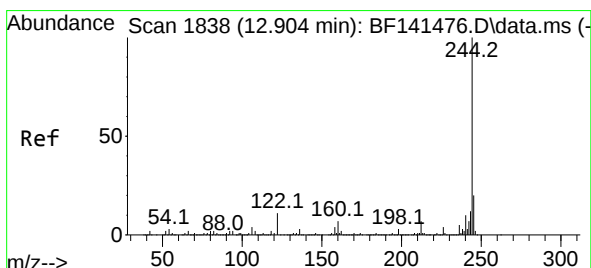
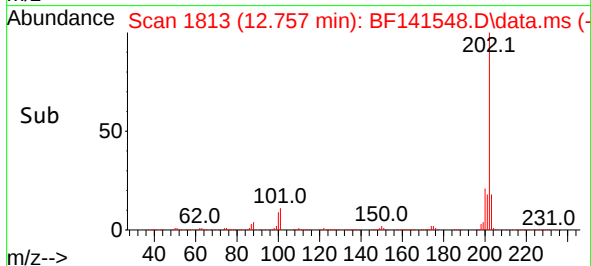
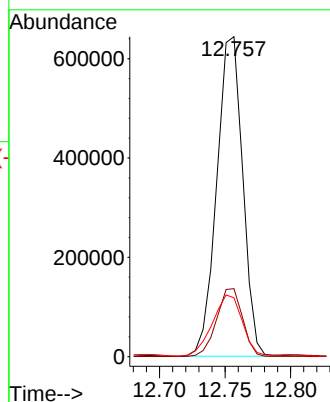
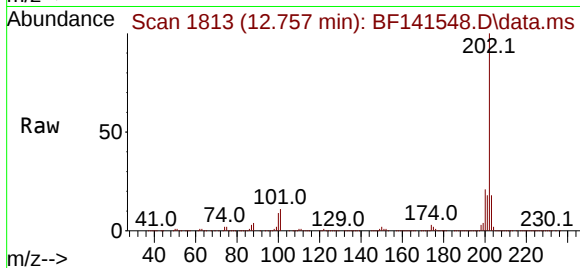
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.4	14.3	21.5

Manual Integrations

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Reviewed By :Anahy Claudio 02/11/2025

Supervised By :Jagrut Upadhyay 02/11/2025



#79

Terphenyl-d14

Concen: 8.374 ng

RT: 12.892 min Scan# 1836

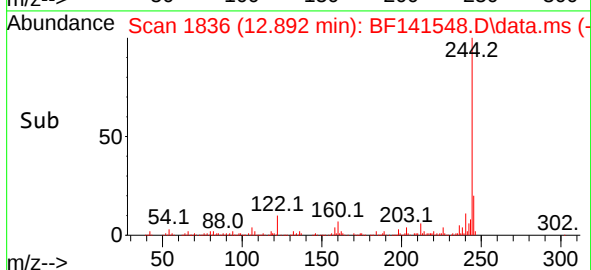
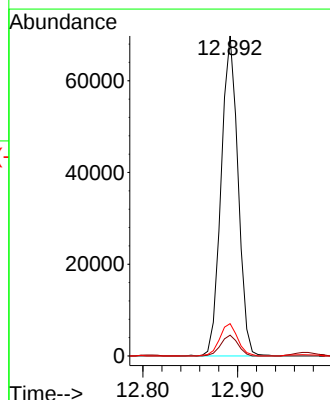
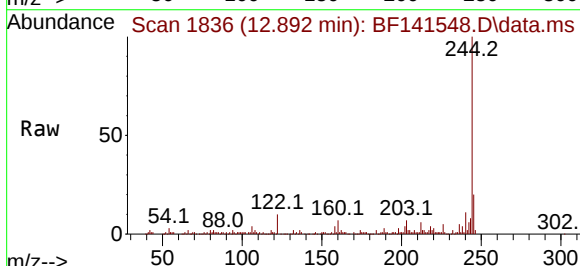
Delta R.T. -0.012 min

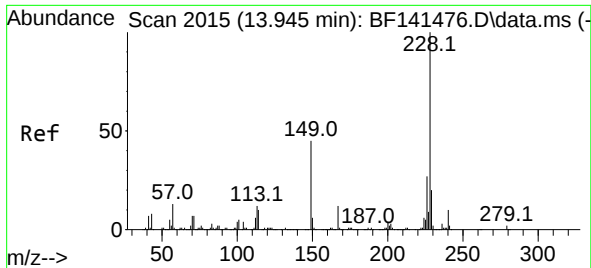
Lab File: BF141548.D

Acq: 10 Feb 2025 21:12

Tgt Ion:244 Resp: 86634

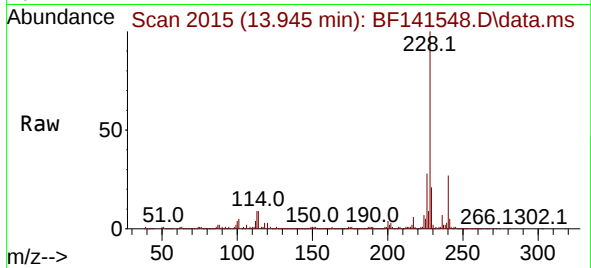
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	10.1	8.4	12.6





#81
Benzo(a)anthracene
Concen: 45.946 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

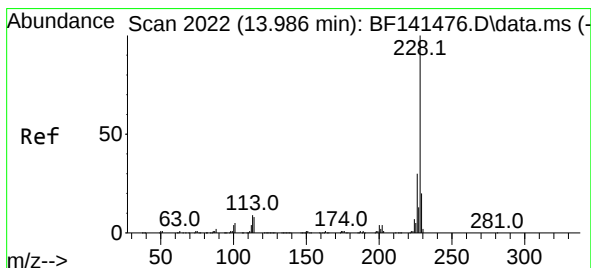
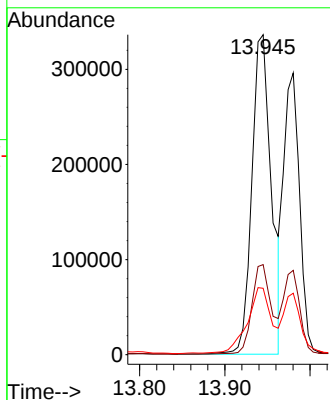
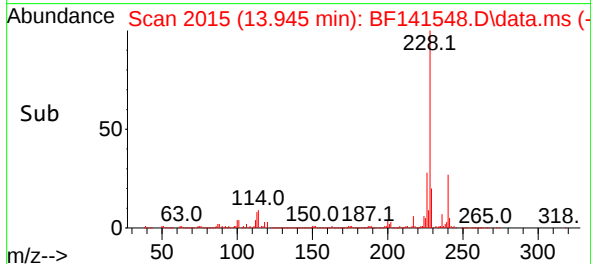
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL



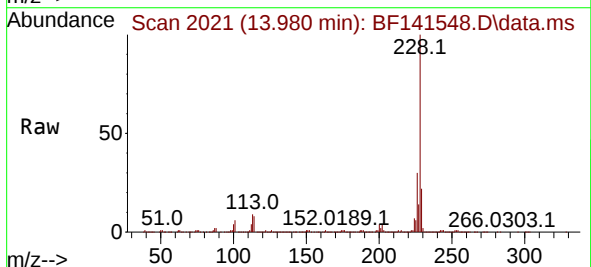
Tgt Ion:228 Resp: 533419
Ion Ratio Lower Upper
228 100
226 28.1 21.8 32.8
229 20.7 15.8 23.6

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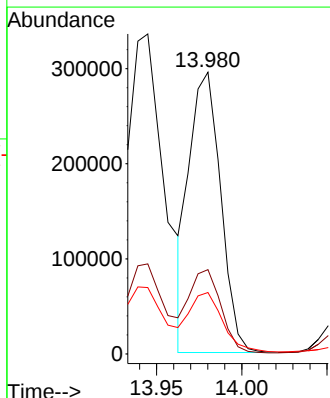
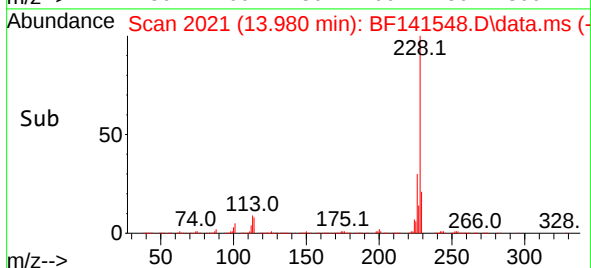
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

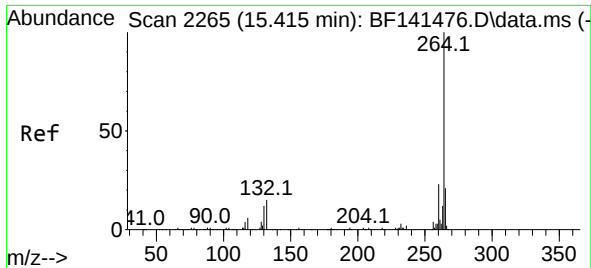


#83
Chrysene
Concen: 35.284 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12



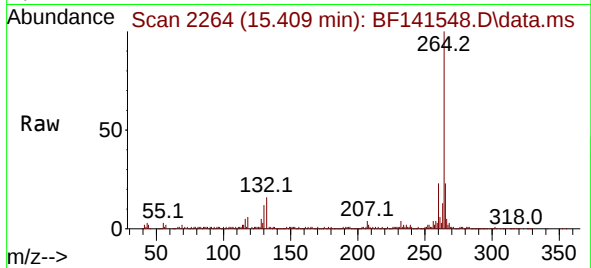
Tgt Ion:228 Resp: 378245
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 21.8 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

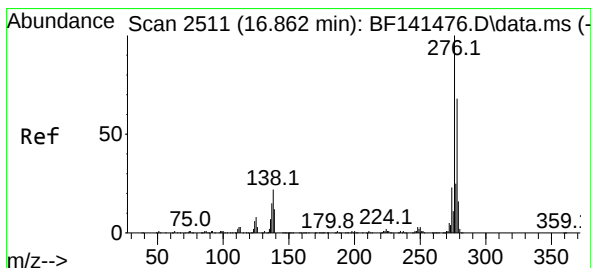
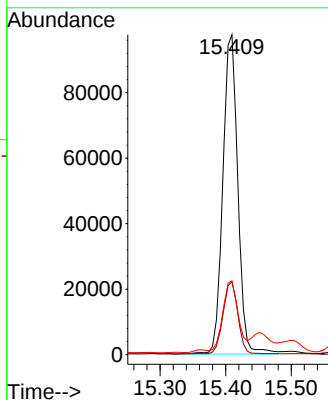
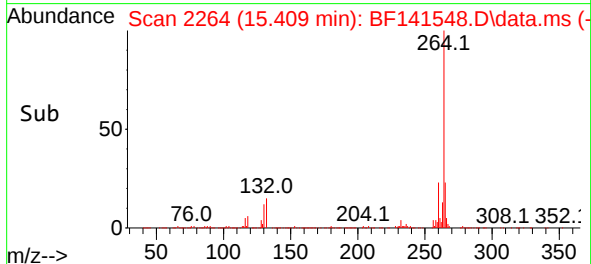
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL



Tgt Ion:264 Resp: 154420
Ion Ratio Lower Upper
264 100
260 22.8 18.6 28.0
265 23.1 17.0 25.4

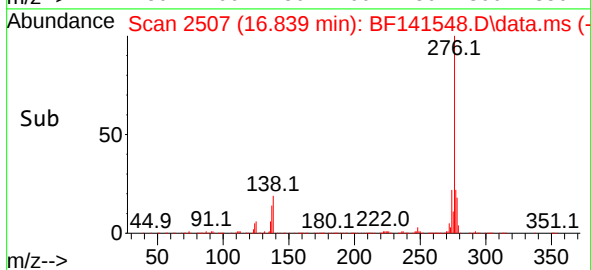
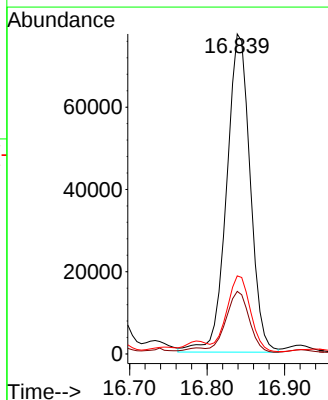
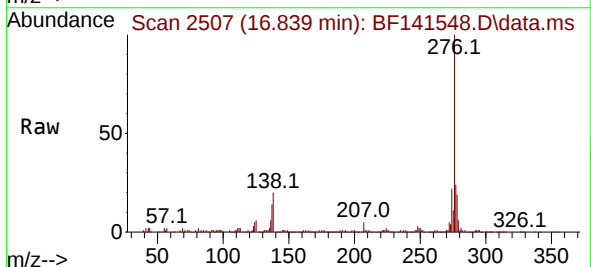
Manual Integrations
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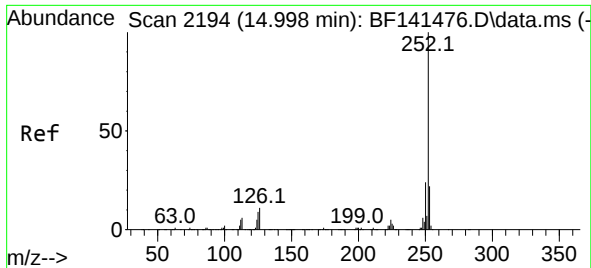
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 17.219 ng
RT: 16.839 min Scan# 2507
Delta R.T. -0.035 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

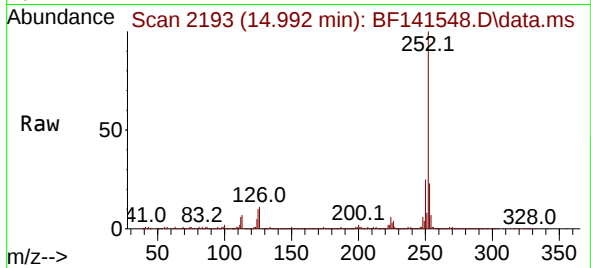
Tgt Ion:276 Resp: 164290
Ion Ratio Lower Upper
276 100
138 18.7 18.0 27.0
277 23.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 47.166 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

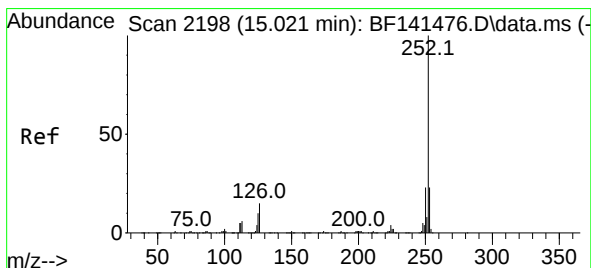
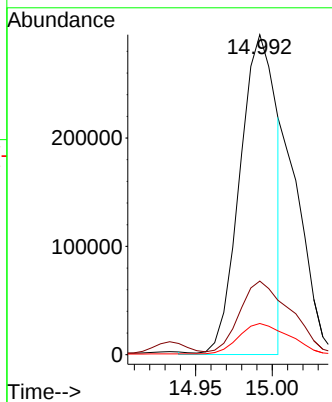
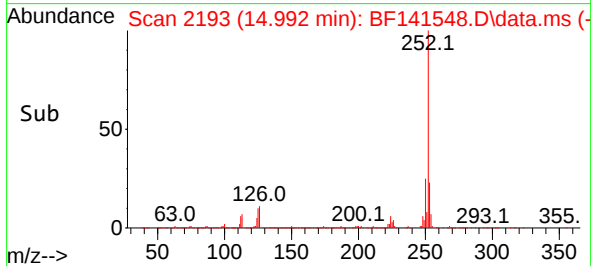
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL



Tgt Ion:252 Resp: 48904
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.8 7.0 10.6

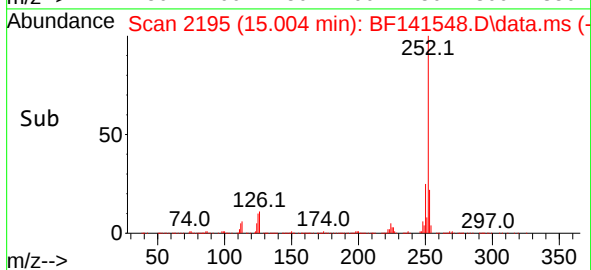
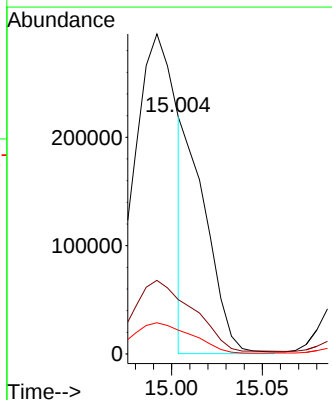
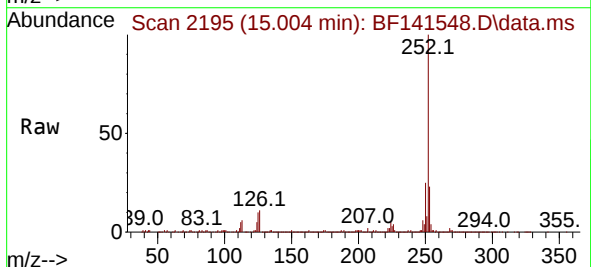
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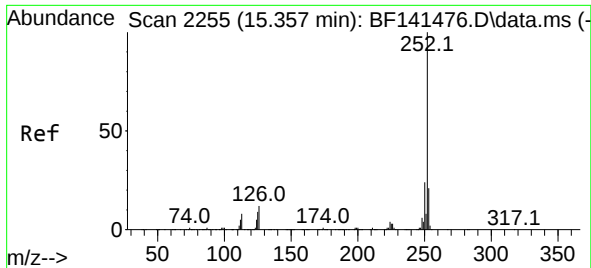
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#89
Benzo(k)fluoranthene
Concen: 21.380 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

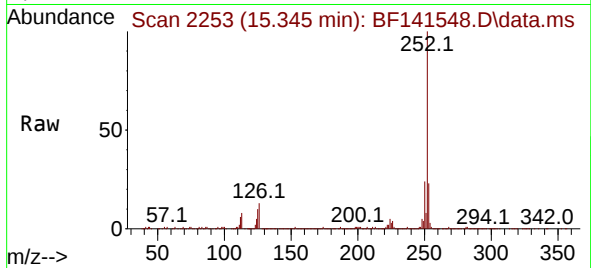
Tgt Ion:252 Resp: 189292
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 10.0 7.4 11.0





#90
Benzo(a)pyrene
Concen: 42.037 ng
RT: 15.345 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

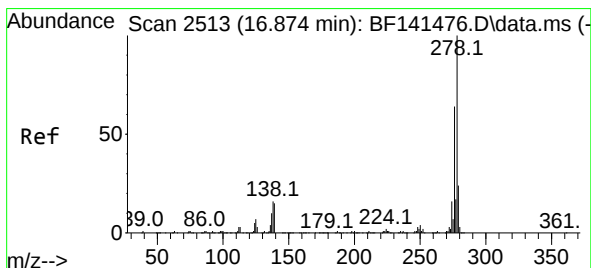
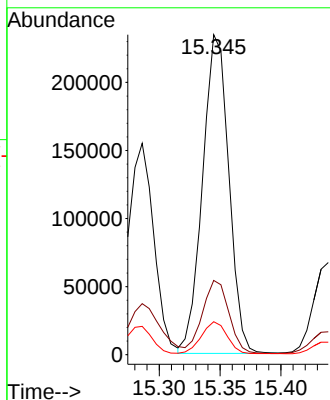
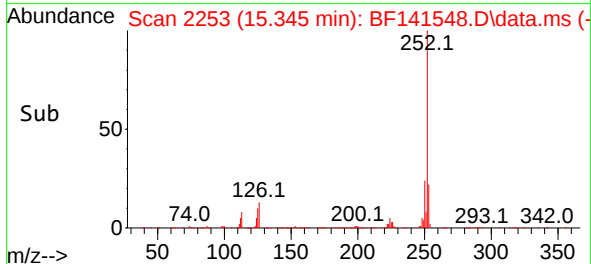
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825DL



Tgt Ion:252 Resp: 352689
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 10.3 7.4 11.2

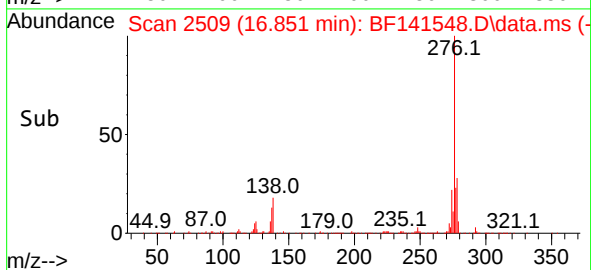
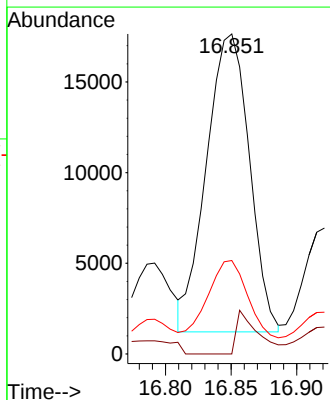
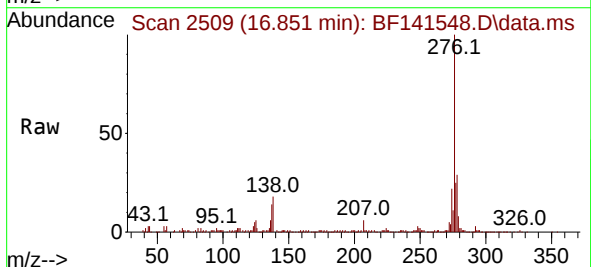
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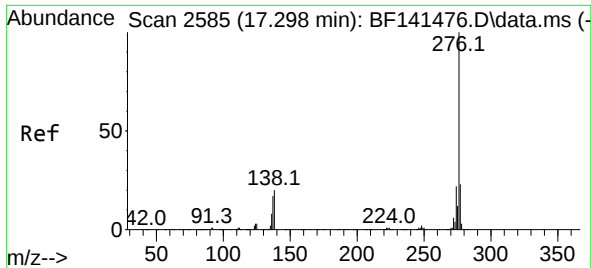
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#91
Dibenzo(a,h)anthracene
Concen: 4.845 ng m
RT: 16.851 min Scan# 2509
Delta R.T. -0.041 min
Lab File: BF141548.D
Acq: 10 Feb 2025 21:12

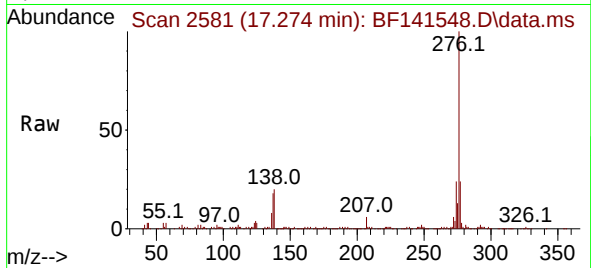
Tgt Ion:278 Resp: 37455
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6#
279 29.2 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 18.627 ng
 RT: 17.274 min Scan# 2581
 Delta R.T. -0.041 min
 Lab File: BF141548.D
 Acq: 10 Feb 2025 21:12

Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825DL



Tgt Ion: 276 Resp: 150699
 Ion Ratio Lower Upper
 276 100
 277 24.3 18.6 28.0
 138 20.2 15.9 23.9

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025

