

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141549.D
 Acq On : 10 Feb 2025 21:38
 Operator : RC/JU
 Sample : Q1241-15DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.4-013025DL

Manual Integrations
 APPROVED

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

Quant Time: Feb 11 00:10:56 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	77702	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	310551	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	156153	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	212674	20.000	ng	0.00
76) Chrysene-d12	13.951	240	189599	20.000	ng	-0.01
86) Perylene-d12	15.409	264	157979	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	60386	12.184	ng	0.00
7) Phenol-d6	6.422	99	77872	12.431	ng	-0.02
23) Nitrobenzene-d5	7.345	82	49873	8.376	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	13545	8.635	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	93422	9.217	ng	-0.01
79) Terphenyl-d14	12.892	244	72393	6.446	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	273123	23.330	ng	99
72) Anthracene	11.380	178	89005	7.563	ng	99
75) Fluoranthene	12.521	202	573178	46.181	ng	100
78) Pyrene	12.751	202	543660	33.684	ng	99
81) Benzo(a)anthracene	13.939	228	292761	23.229	ng	98
83) Chrysene	13.974	228	230725	19.826	ng	97
87) Indeno(1,2,3-cd)pyrene	16.839	276	98091	10.049	ng	97
88) Benzo(b)fluoranthene	14.992	252	294816m	27.793	ng	
89) Benzo(k)fluoranthene	15.004	252	102102m	11.272	ng	
90) Benzo(a)pyrene	15.345	252	212861	24.800	ng	96
91) Dibenzo(a,h)anthracene	16.851	278	22279m	2.817	ng	
92) Benzo(g,h,i)perylene	17.274	276	90272	10.906	ng	98

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

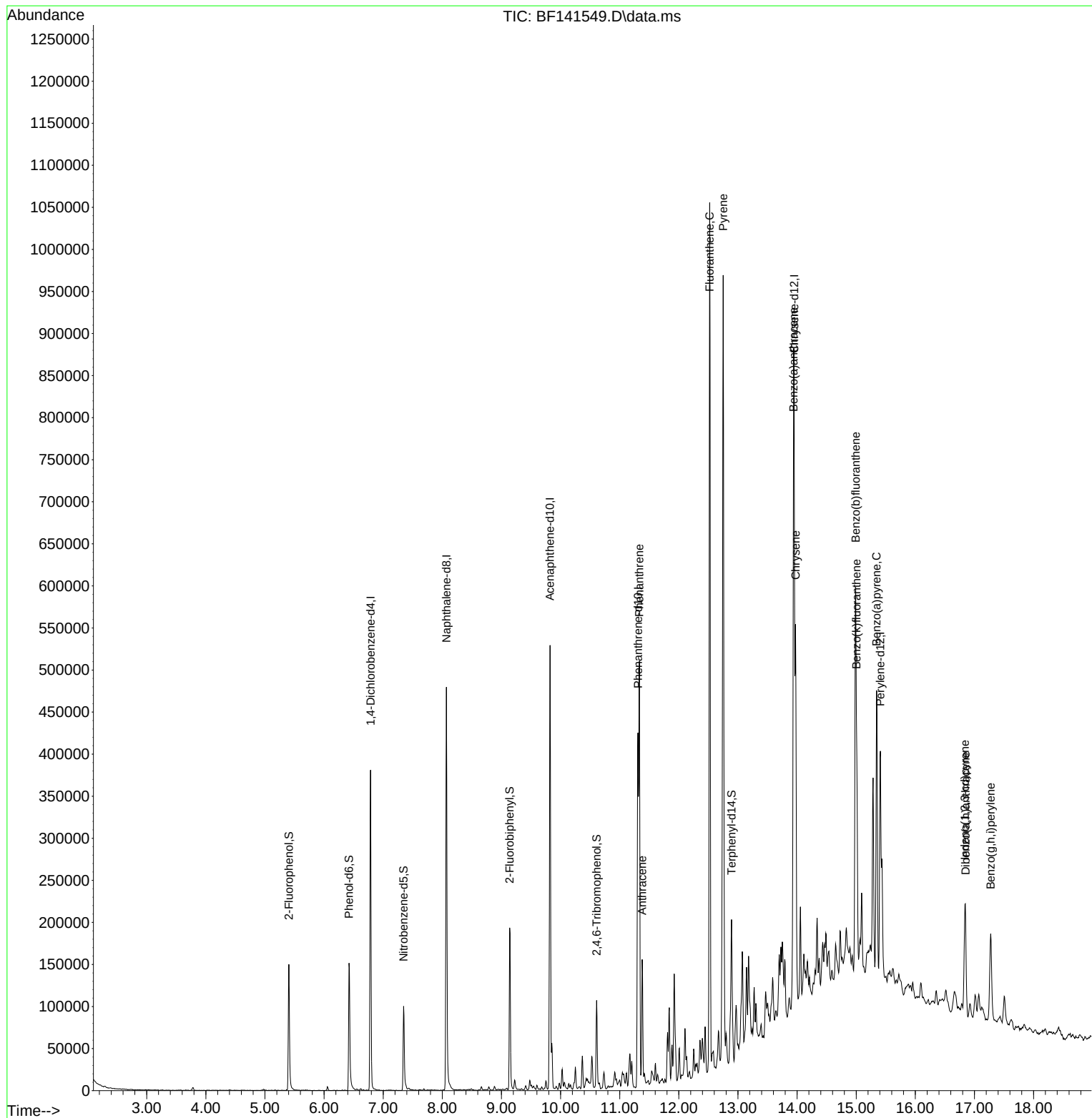
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141549.D
Acq On : 10 Feb 2025 21:38
Operator : RC/JU
Sample : Q1241-15DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

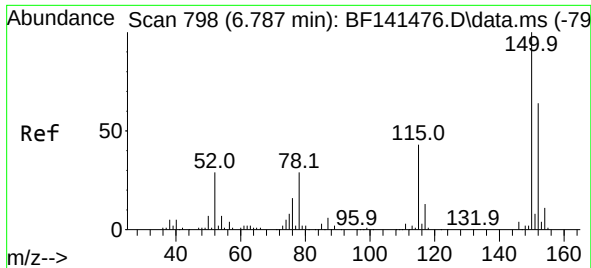
Instrument :
BNA_F
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JPP-5.4-013025DL

Quant Time: Feb 11 00:10:56 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

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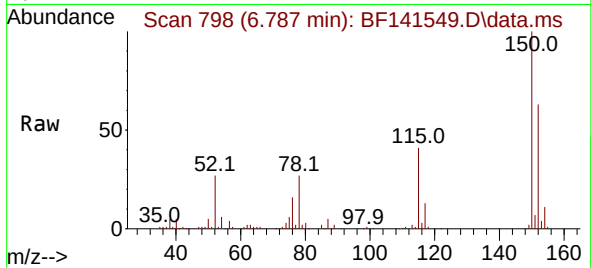
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

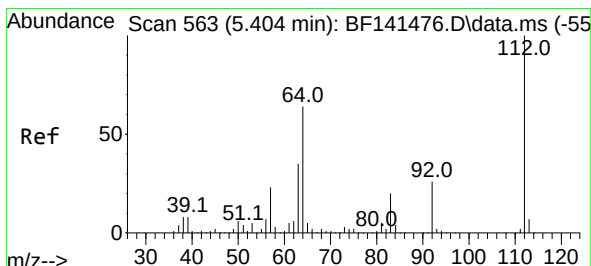
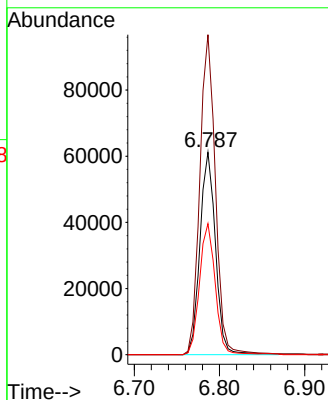
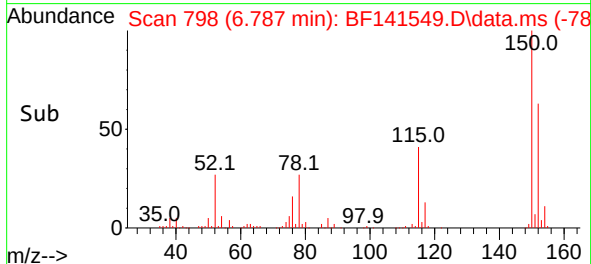
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BNA_F
ClientSampleId :
JPP-5.4-013025DL



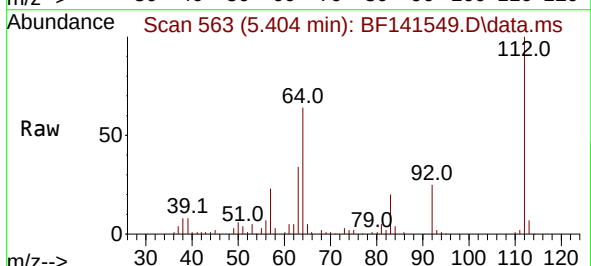
Tgt Ion:152 Resp: 77702
Ion Ratio Lower Upper
152 100
150 158.1 125.0 187.4
115 64.7 53.6 80.4

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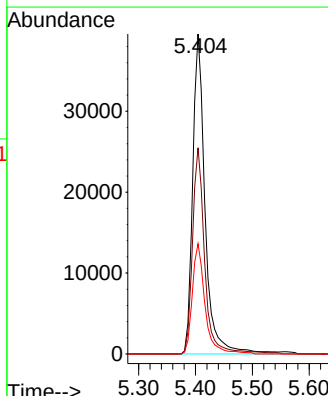
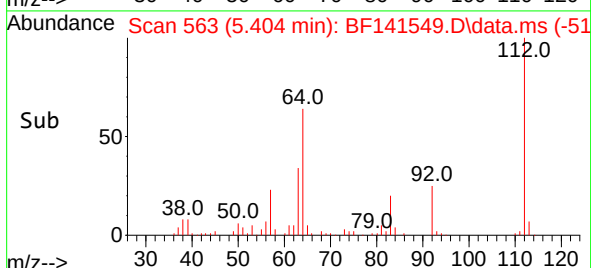
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

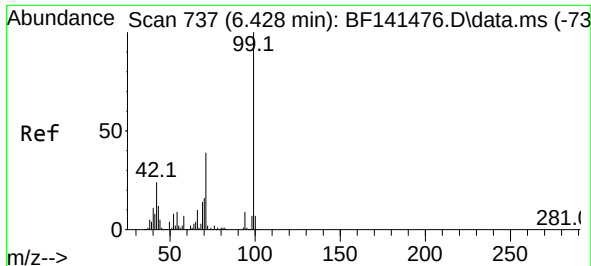


#5
2-Fluorophenol
Concen: 12.184 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38



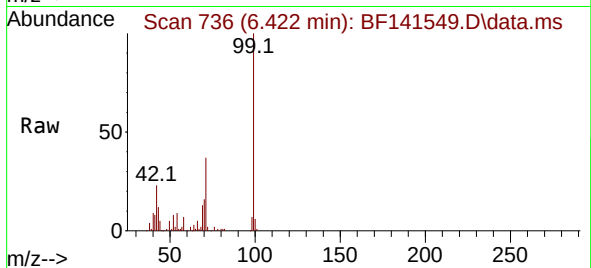
Tgt Ion:112 Resp: 60386
Ion Ratio Lower Upper
112 100
64 64.5 51.1 76.7
63 34.4 28.4 42.6





#7
Phenol-d6
Concen: 12.431 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

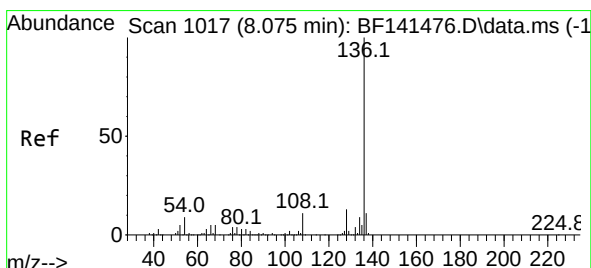
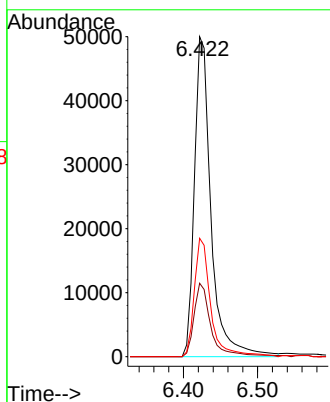
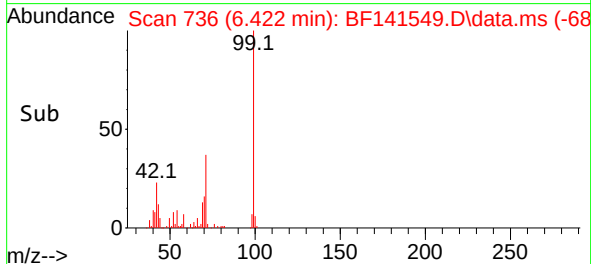
Instrument :
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ClientSampleId :
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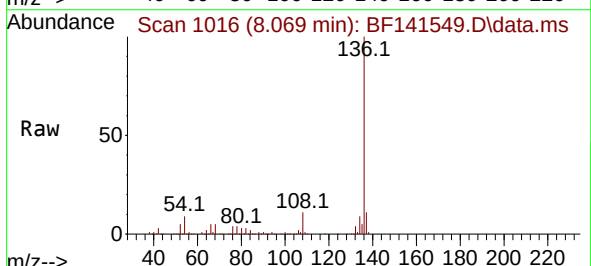
Tgt Ion: 99 Resp: 77872
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 37.0 31.1 46.7

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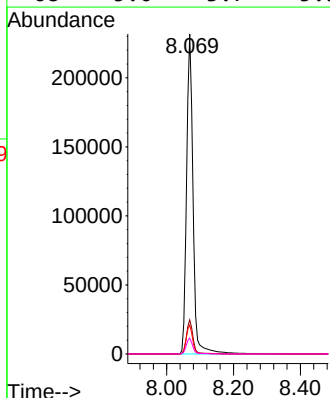
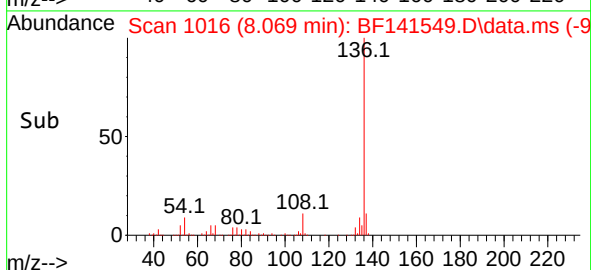
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

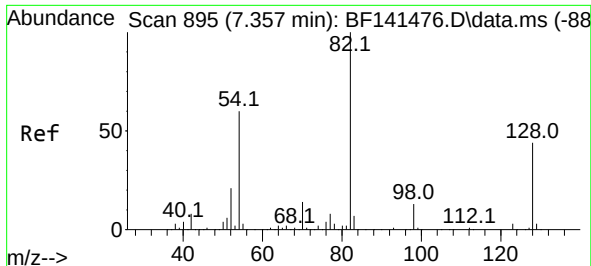


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38



Tgt Ion:136 Resp: 310551
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.1 7.2 10.8
68 5.0 3.7 5.5





#23

Nitrobenzene-d5

Concen: 8.376 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141549.D

Acq: 10 Feb 2025 21:38

Instrument :

BNA_F

ClientSampleId :

JPP-5.4-013025DL

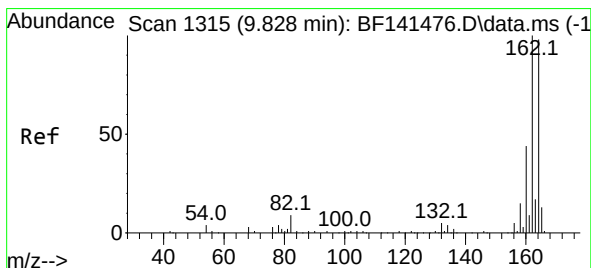
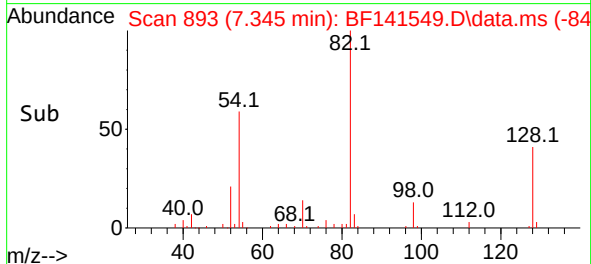
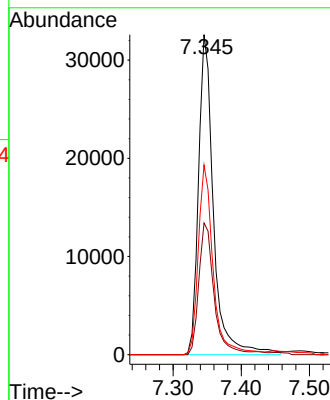
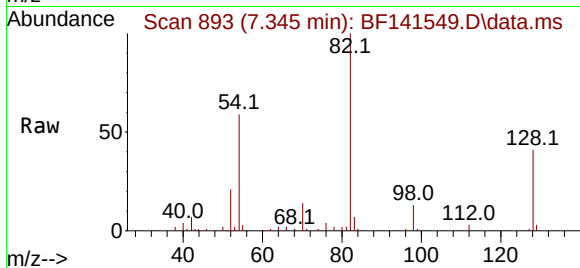
Tgt Ion: 82 Resp: 4987

Ion	Ratio	Lower	Upper
82	100		
128	41.2	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

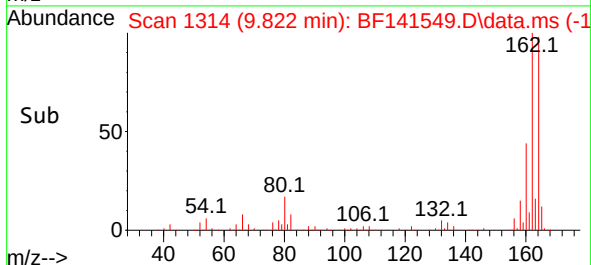
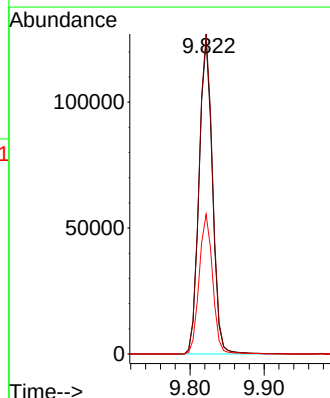
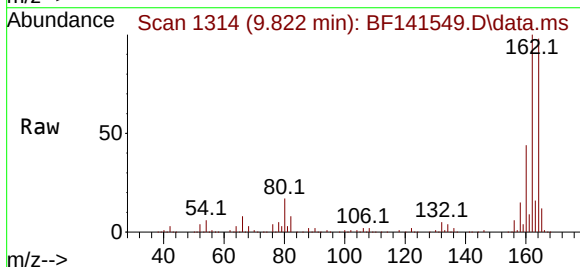
Delta R.T. -0.012 min

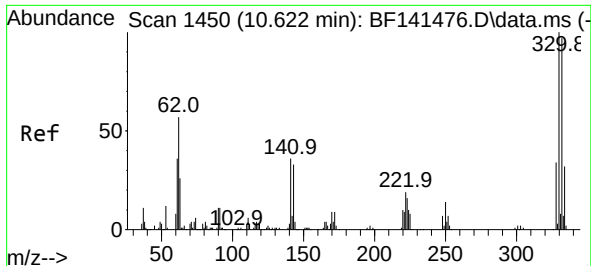
Lab File: BF141549.D

Acq: 10 Feb 2025 21:38

Tgt Ion:164 Resp: 156153

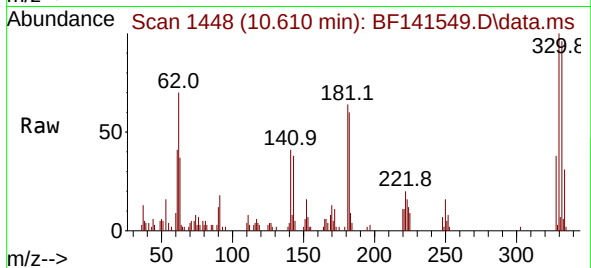
Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.3	121.9
160	44.5	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 8.635 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

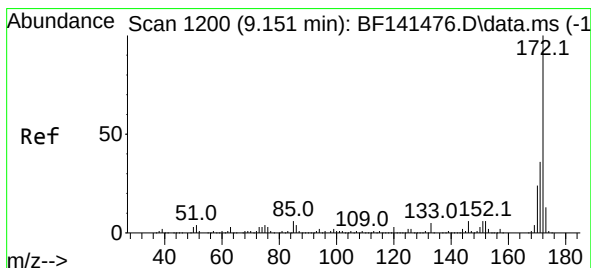
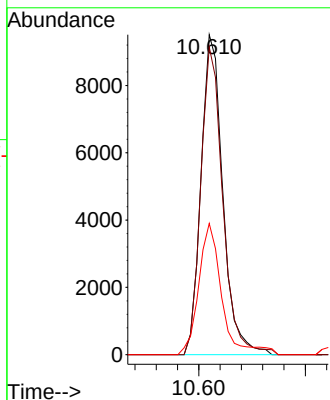
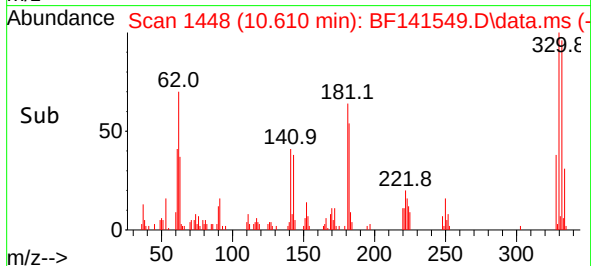
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL



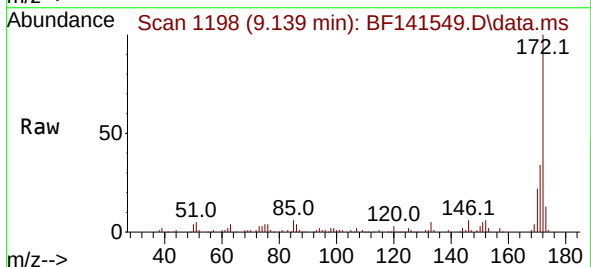
Tgt Ion: 330 Resp: 1354
Ion Ratio Lower Upper
330 100
332 96.7 78.5 117.7
141 43.2 31.0 46.4

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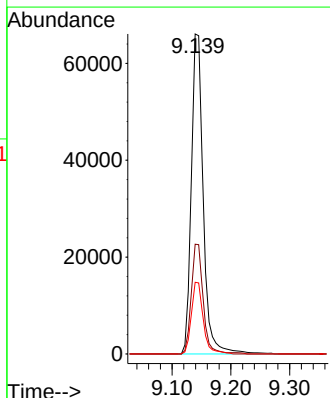
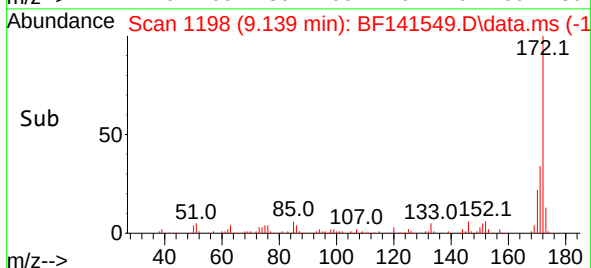
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

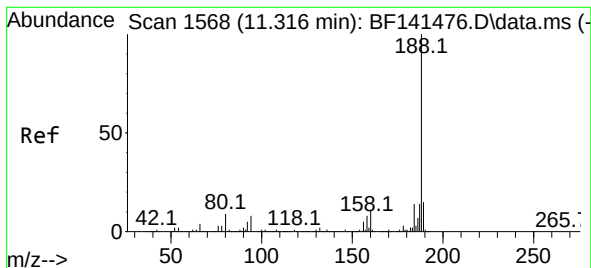


#45
2-Fluorobiphenyl
Concen: 9.217 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38



Tgt Ion: 172 Resp: 93422
Ion Ratio Lower Upper
172 100
171 34.3 28.7 43.1
170 22.4 18.9 28.3





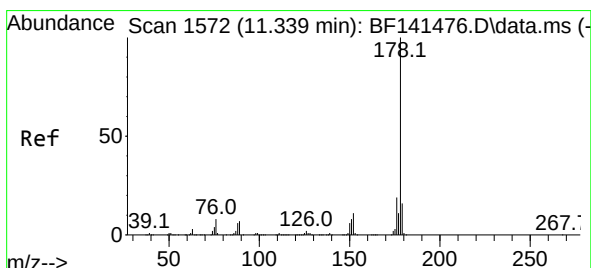
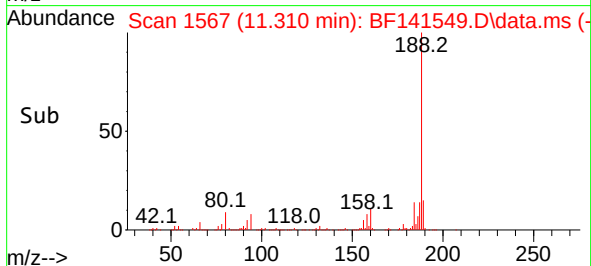
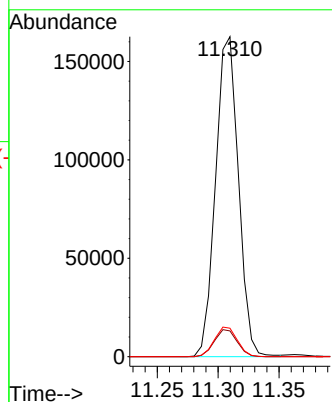
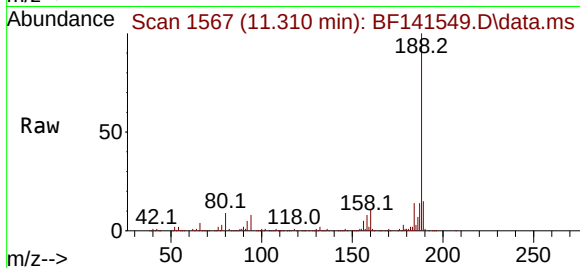
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Tgt Ion:188 Resp: 212674
Ion Ratio Lower Upper
188 100
94 8.0 6.6 10.0
80 8.9 7.3 10.9

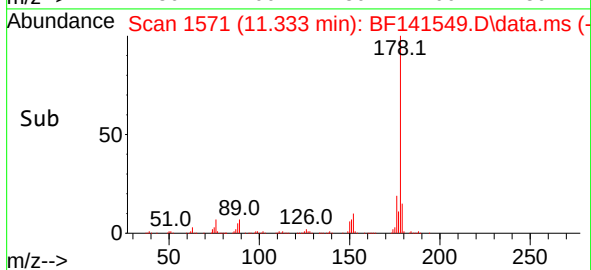
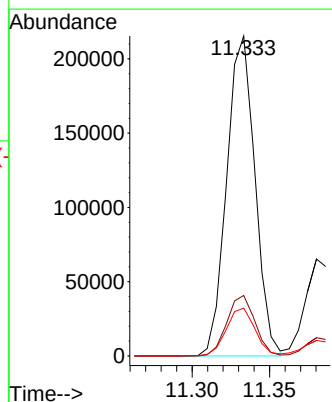
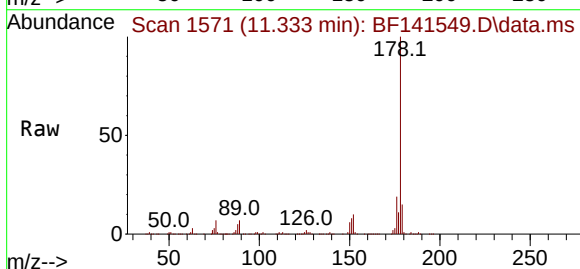
Manual Integrations
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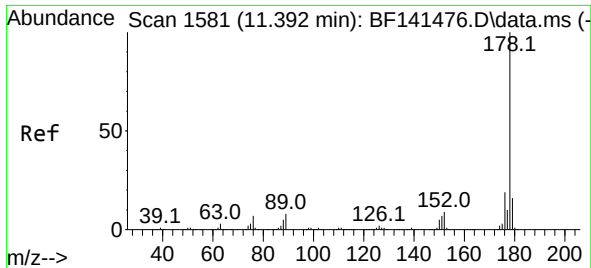
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#71
Phenanthrene
Concen: 23.330 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

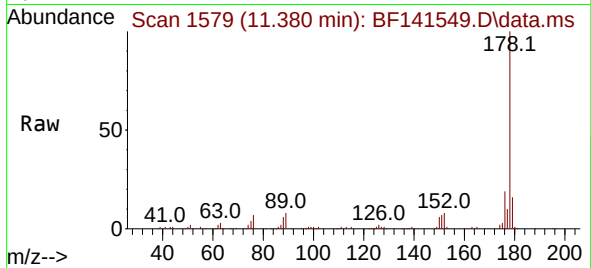
Tgt Ion:178 Resp: 273123
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.0 12.4 18.6





#72
 Anthracene
 Concen: 7.563 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141549.D
 Acq: 10 Feb 2025 21:38

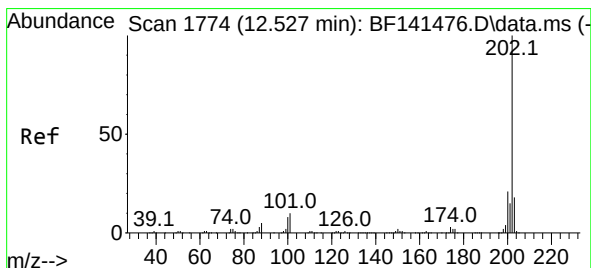
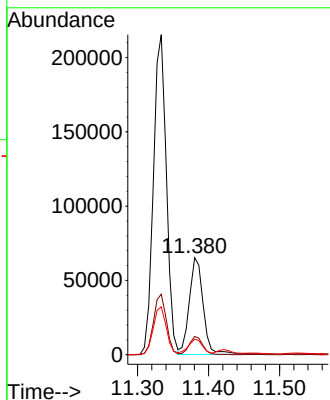
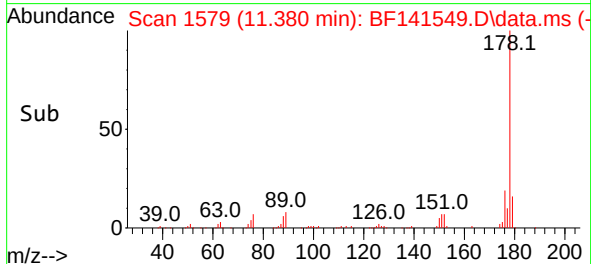
Instrument :
 BNA_F
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 JPP-5.4-013025DL



Tgt Ion:178 Resp: 89000
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 16.0 12.4 18.6

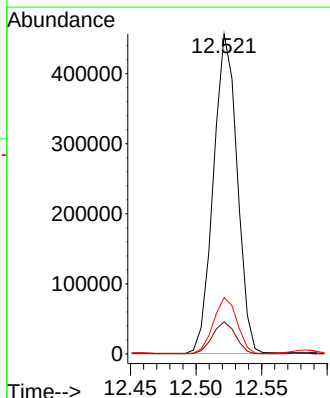
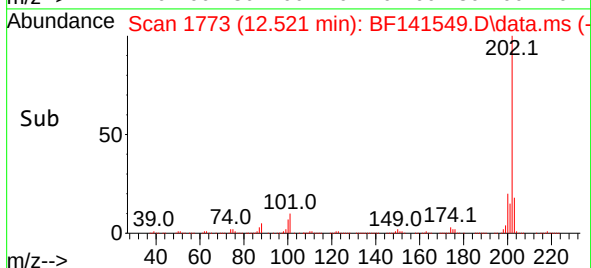
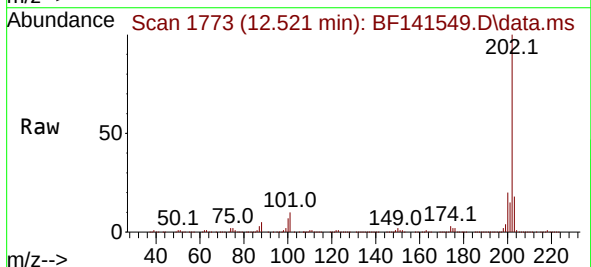
Manual Integrations
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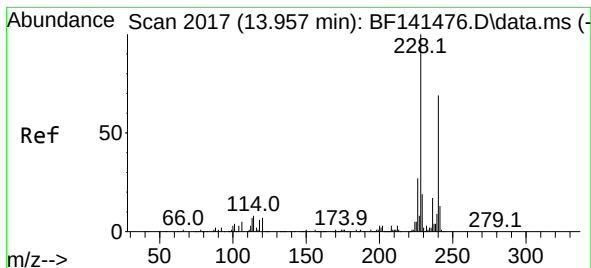
Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025



#75
 Fluoranthene
 Concen: 46.181 ng
 RT: 12.521 min Scan# 1773
 Delta R.T. -0.012 min
 Lab File: BF141549.D
 Acq: 10 Feb 2025 21:38

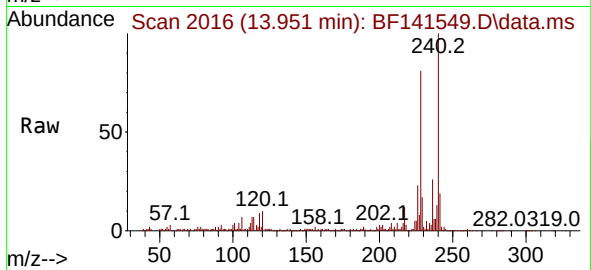
Tgt Ion:202 Resp: 573178
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 30.2
 203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

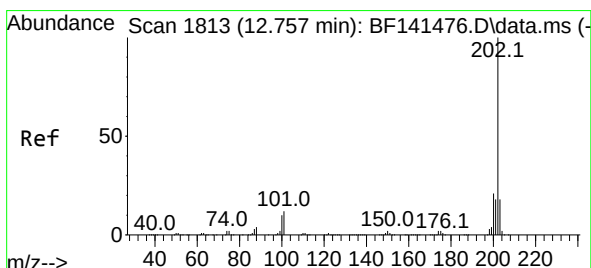
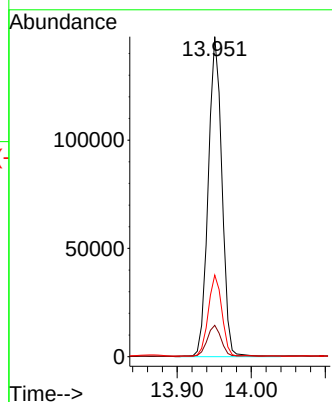
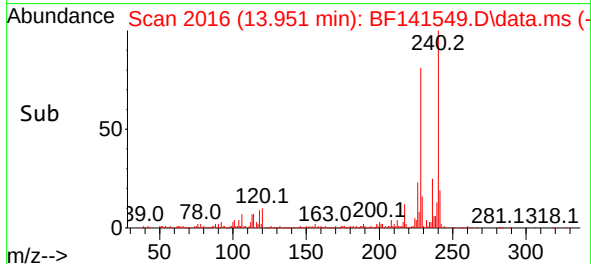
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL



Tgt Ion:240 Resp: 189599
Ion Ratio Lower Upper
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120 9.8 8.0 12.0
236 25.5 19.8 29.8

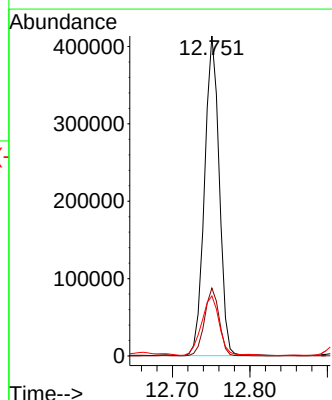
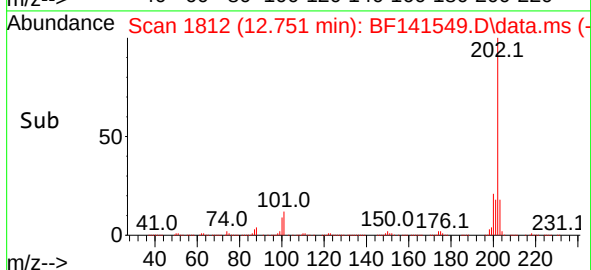
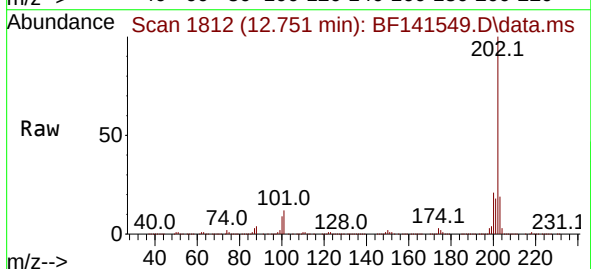
Manual Integrations
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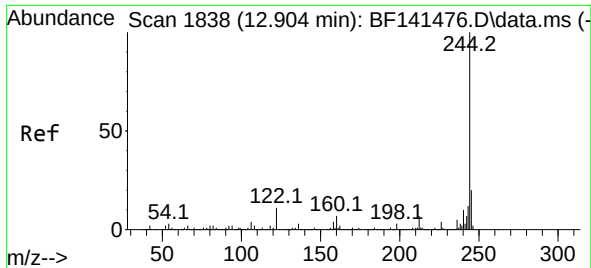
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#78
Pyrene
Concen: 33.684 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

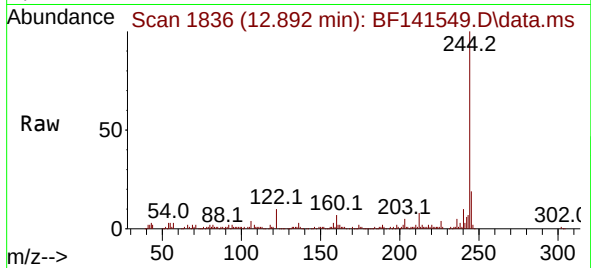
Tgt Ion:202 Resp: 543660
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 6.446 ng
 RT: 12.892 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141549.D
 Acq: 10 Feb 2025 21:38

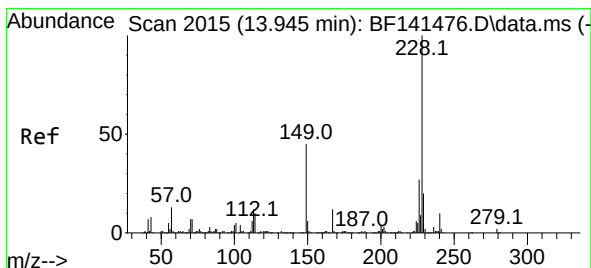
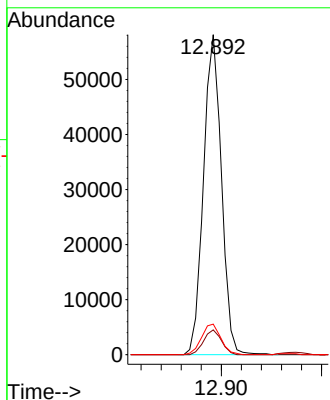
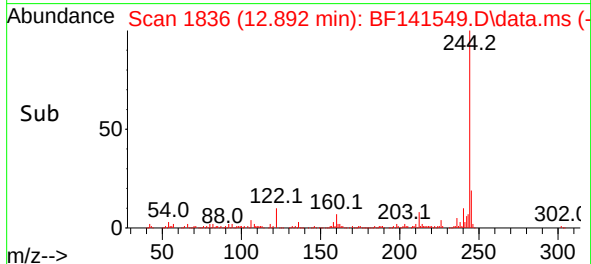
Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.4-013025DL



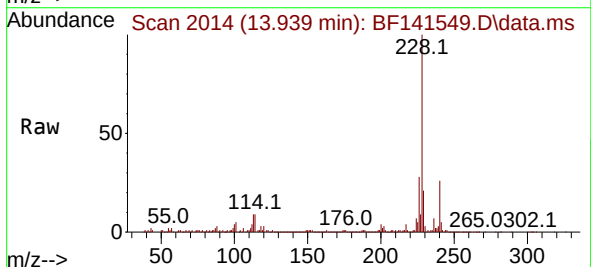
Tgt Ion:244 Resp: 7239
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.6 8.4
 122 9.5 8.4 12.6

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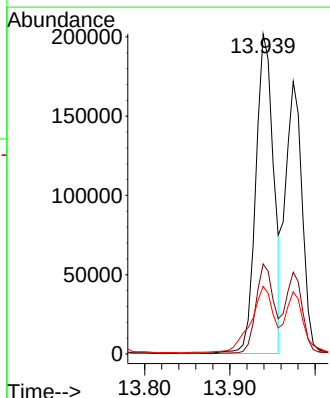
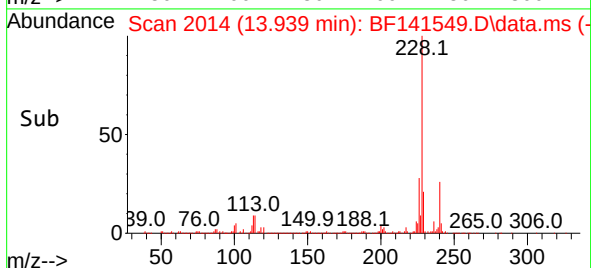
Reviewed By :Anahy Claudio 02/11/2025
 Supervised By :Jagrut Upadhyay 02/11/2025

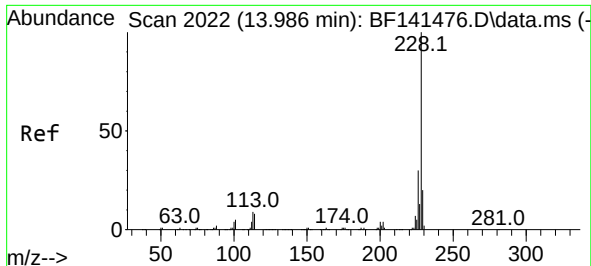


#81
 Benzo(a)anthracene
 Concen: 23.229 ng
 RT: 13.939 min Scan# 2014
 Delta R.T. -0.012 min
 Lab File: BF141549.D
 Acq: 10 Feb 2025 21:38



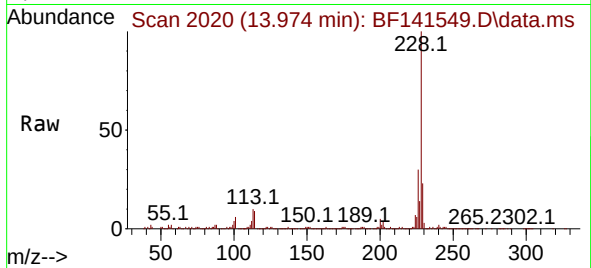
Tgt Ion:228 Resp: 292761
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.8 32.8
 229 21.2 15.8 23.6





#83
Chrysene
Concen: 19.826 ng
RT: 13.974 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

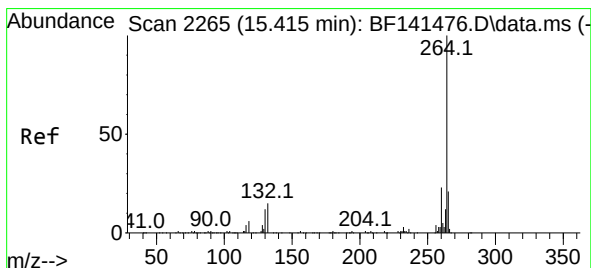
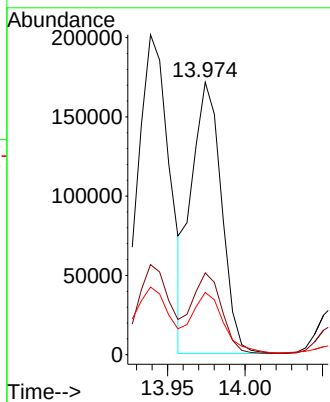
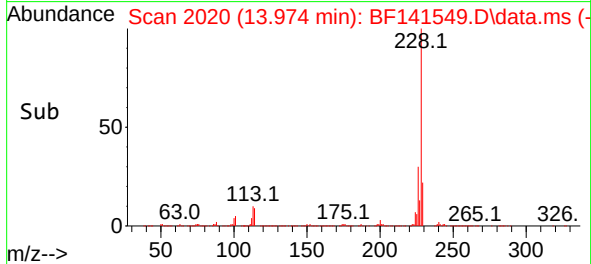
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL



Tgt Ion:228 Resp: 230725
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 22.9 15.7 23.5

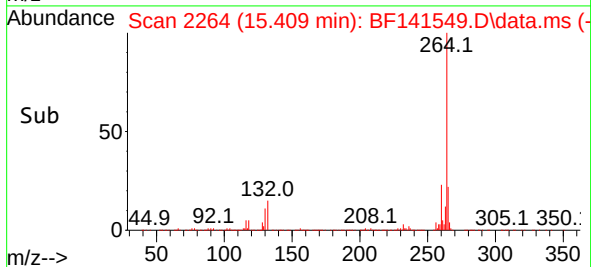
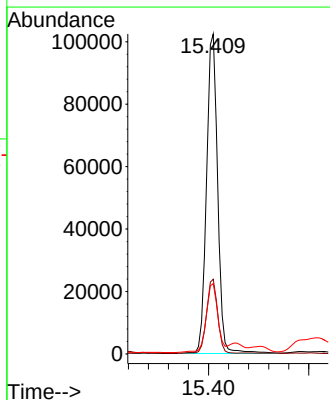
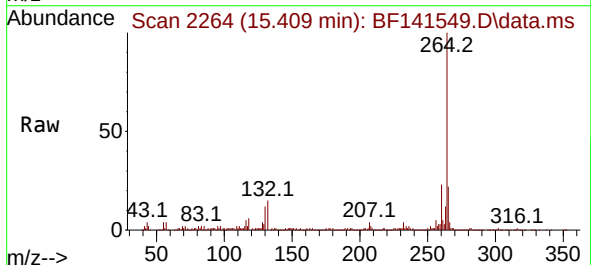
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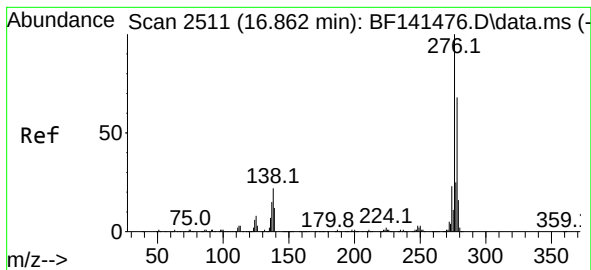
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion:264 Resp: 157979
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.0 17.0 25.4





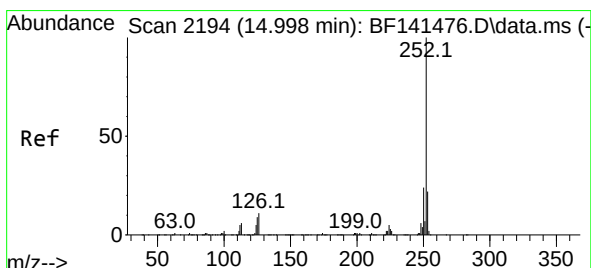
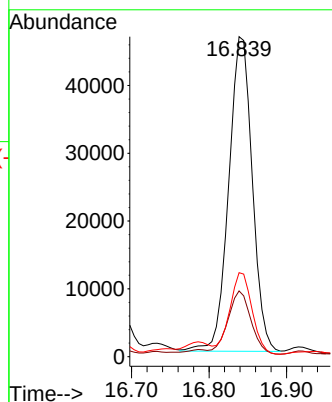
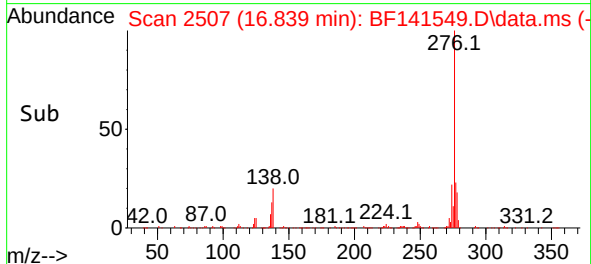
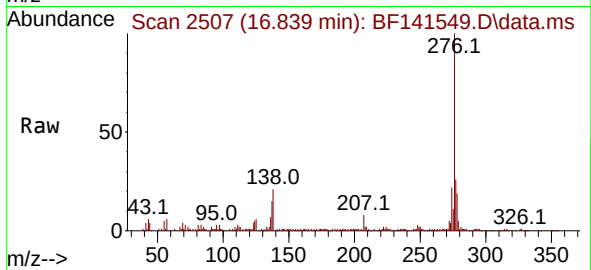
#87
Indeno(1,2,3-cd)pyrene
Concen: 10.049 ng
RT: 16.839 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL

Tgt Ion:276 Resp: 9809
Ion Ratio Lower Upper
276 100
138 20.5 18.0 27.0
277 24.8 20.4 30.6

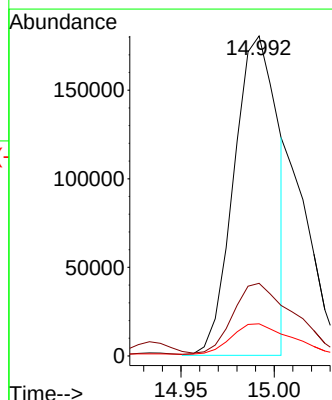
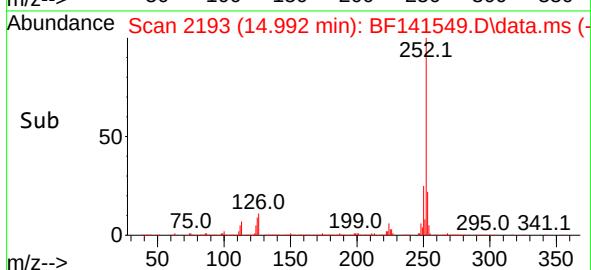
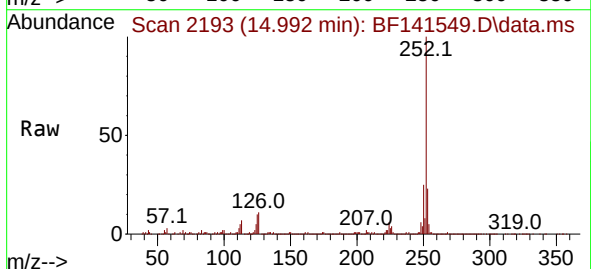
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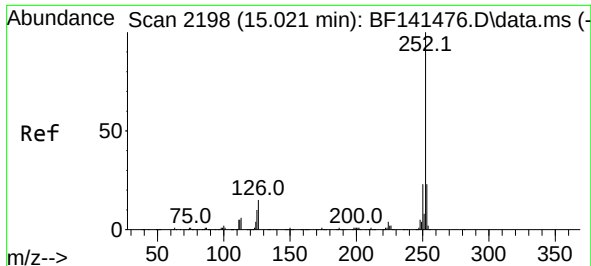
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#88
Benzo(b)fluoranthene
Concen: 27.793 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

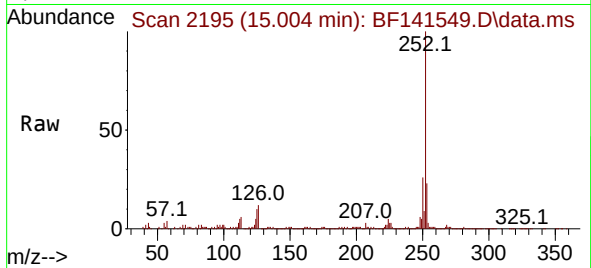
Tgt Ion:252 Resp: 294816
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.0 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 11.272 ng m
RT: 15.004 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

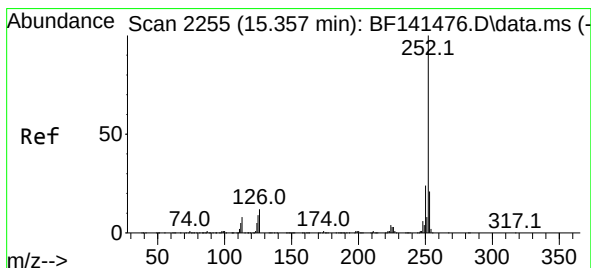
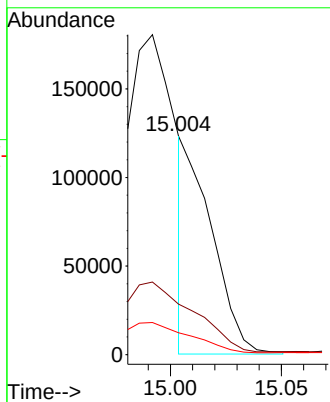
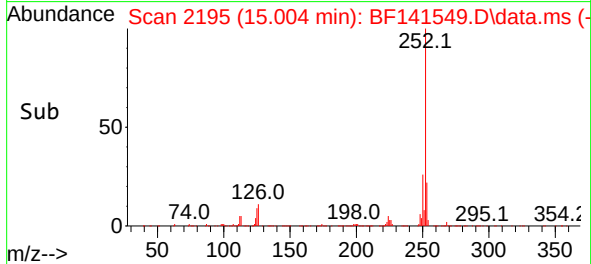
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL



Tgt Ion:252 Resp: 10210
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.0 7.4 11.0

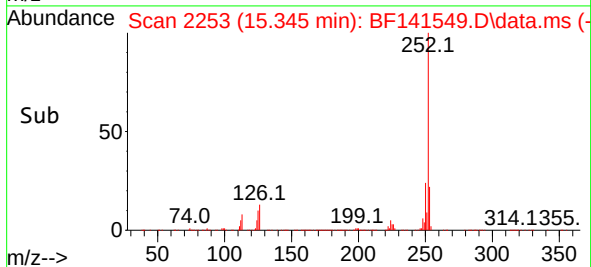
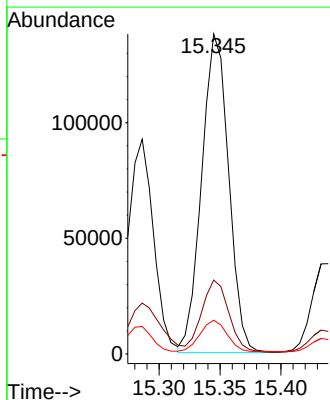
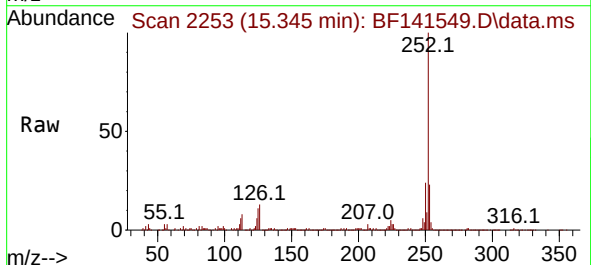
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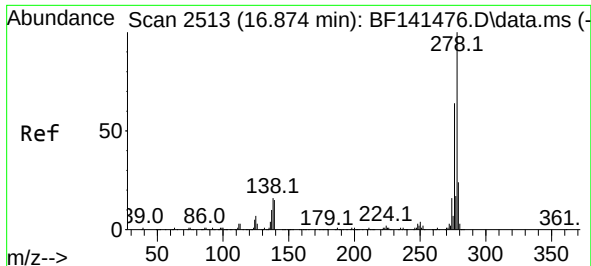
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#90
Benzo(a)pyrene
Concen: 24.800 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.018 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

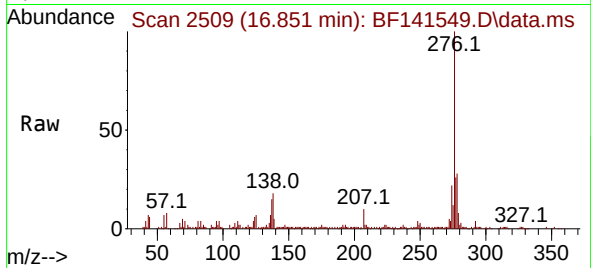
Tgt Ion:252 Resp: 212861
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 10.6 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 2.817 ng m
RT: 16.851 min Scan# 2509
Delta R.T. -0.041 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

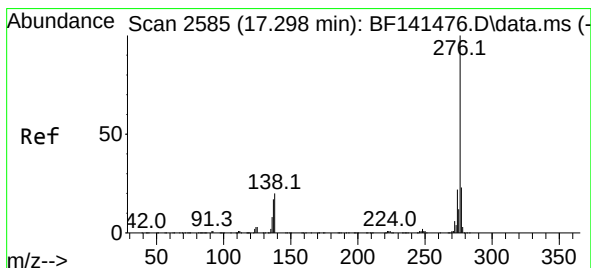
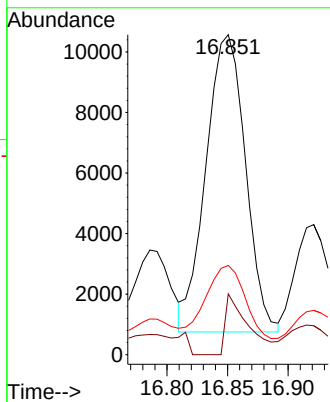
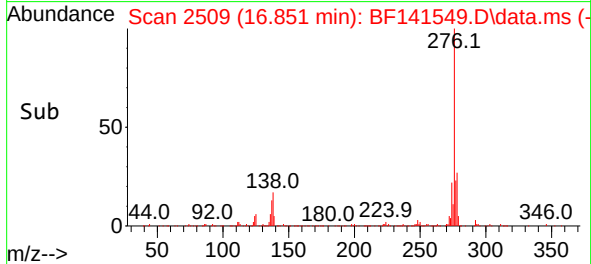
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025DL



Tgt Ion: 278 Resp: 22279
Ion Ratio Lower Upper
278 100
139 19.0 11.8 17.6
279 27.9 19.1 28.7

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 10.906 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141549.D
Acq: 10 Feb 2025 21:38

Tgt Ion: 276 Resp: 90272
Ion Ratio Lower Upper
276 100
277 24.8 18.6 28.0
138 19.9 15.9 23.9

