

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
 Data File : BF141547.D
 Acq On : 10 Feb 2025 20:45
 Operator : RC/JU
 Sample : Q1232-15DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925DL

Manual Integrations
 APPROVED

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

Quant Time: Feb 11 00:09:56 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	73453	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	289682	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	146988	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	202539	20.000	ng	0.00
76) Chrysene-d12	13.951	240	173399	20.000	ng	-0.01
86) Perylene-d12	15.404	264	150535	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	63622	13.579	ng	0.00
7) Phenol-d6	6.422	99	92374	15.599	ng	-0.02
23) Nitrobenzene-d5	7.346	82	60763	10.941	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	6569	4.449	ng	-0.02
45) 2-Fluorobiphenyl	9.140	172	124048	13.002	ng	-0.01
79) Terphenyl-d14	12.892	244	99477	9.685	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.334	178	145244	13.028	ng	99
72) Anthracene	11.381	178	47592	4.247	ng	100
75) Fluoranthene	12.522	202	305505	25.847	ng	99
78) Pyrene	12.751	202	307116	20.806	ng	99
81) Benzo(a)anthracene	13.939	228	179139	15.542	ng	98
83) Chrysene	13.975	228	141521	13.297	ng	98
87) Indeno(1,2,3-cd)pyrene	16.833	276	66045m	7.101	ng	
88) Benzo(b)fluoranthene	14.986	252	188588m	18.658	ng	
89) Benzo(k)fluoranthene	14.998	252	74650m	8.649	ng	
90) Benzo(a)pyrene	15.339	252	140833	17.219	ng	96
92) Benzo(g,h,i)perylene	17.268	276	61289	7.771	ng	98

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

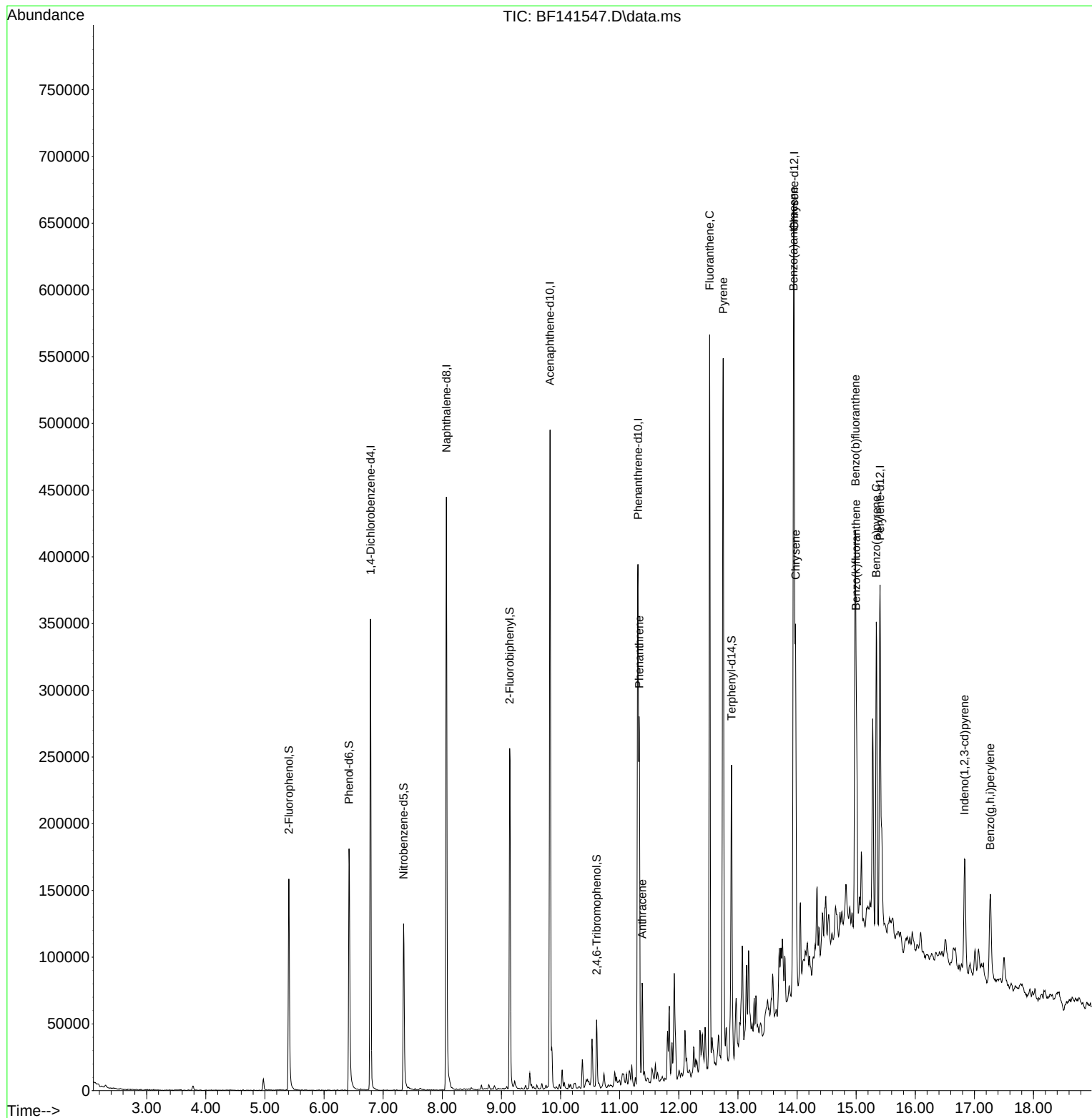
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021025\
Data File : BF141547.D
Acq On : 10 Feb 2025 20:45
Operator : RC/JU
Sample : Q1232-15DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

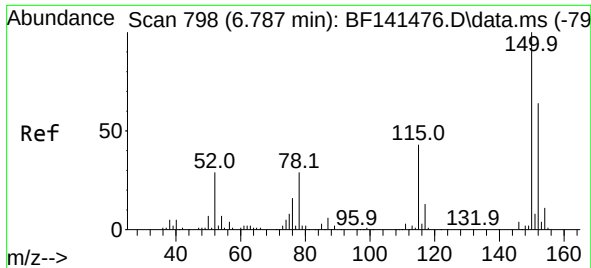
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL

Quant Time: Feb 11 00:09:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
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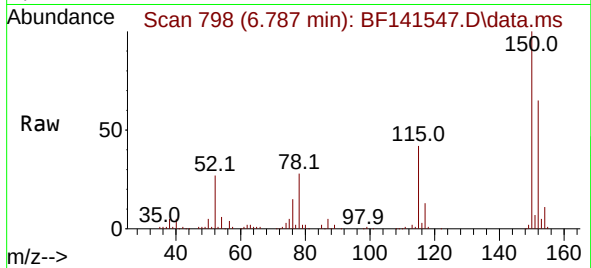
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

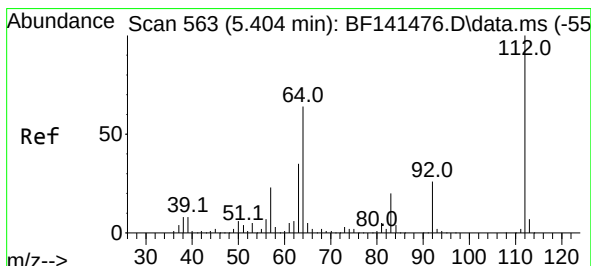
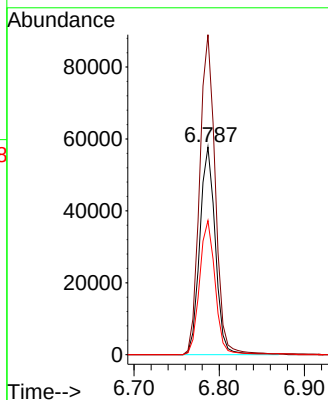
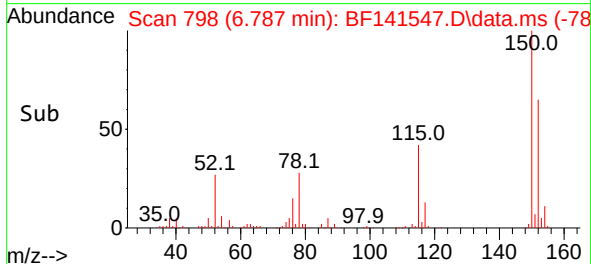
Instrument :
BNA_F
ClientSampleId :
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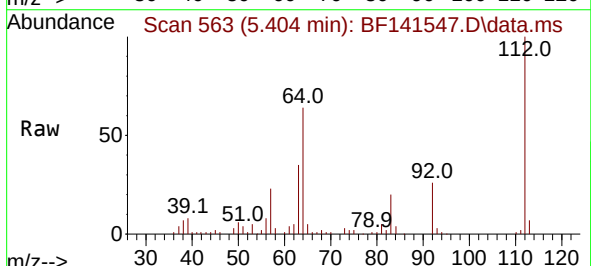
Tgt Ion:152 Resp: 7345
Ion Ratio Lower Upper
152 100
150 154.1 125.0 187.4
115 64.6 53.6 80.4

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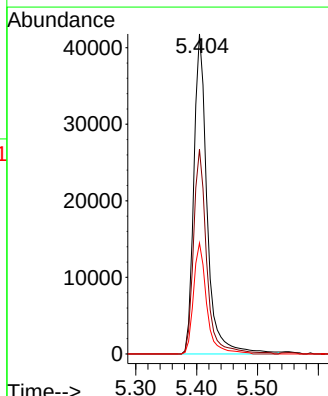
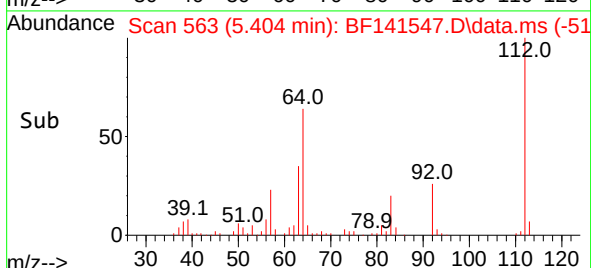
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

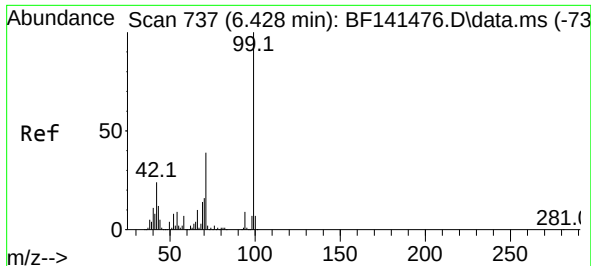


#5
2-Fluorophenol
Concen: 13.579 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45



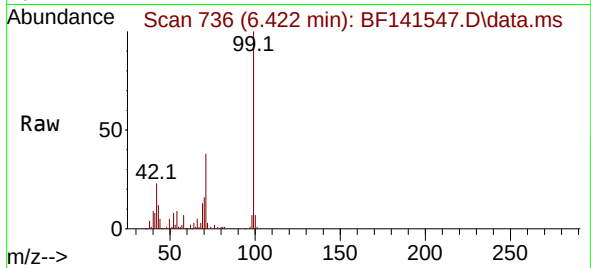
Tgt Ion:112 Resp: 63622
Ion Ratio Lower Upper
112 100
64 63.9 51.1 76.7
63 34.6 28.4 42.6





#7
Phenol-d6
Concen: 15.599 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL

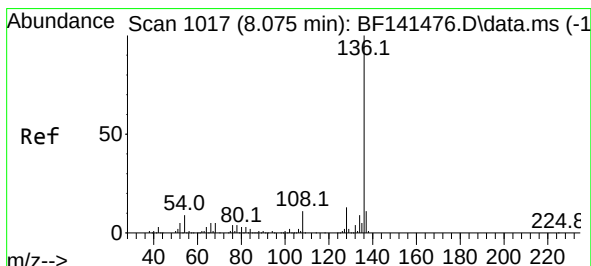
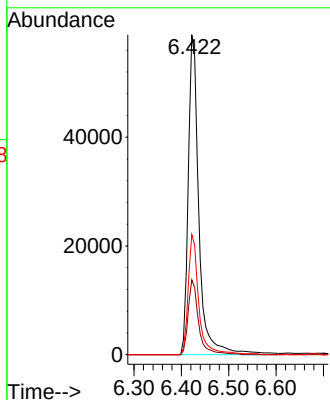
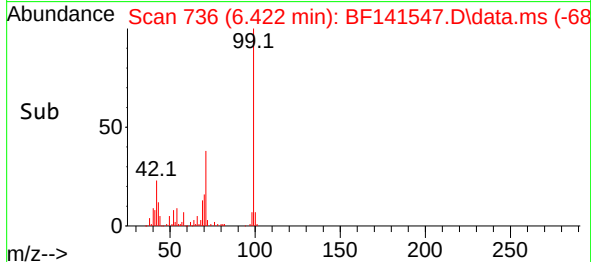


Tgt Ion: 99 Resp: 92374

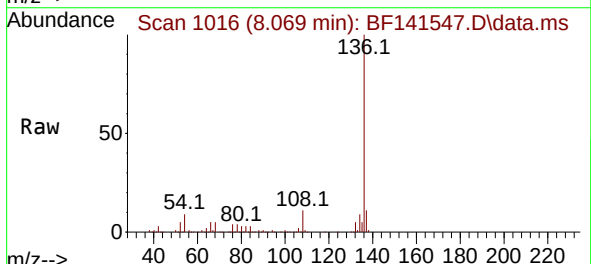
Ion	Ratio	Lower	Upper
99	100		
42	23.4	19.1	28.7
71	37.6	31.1	46.7

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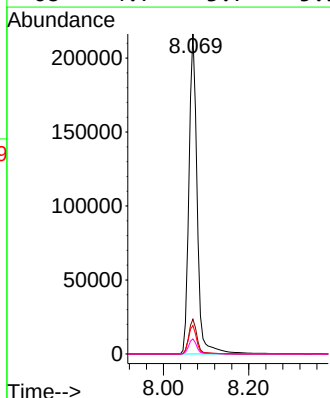
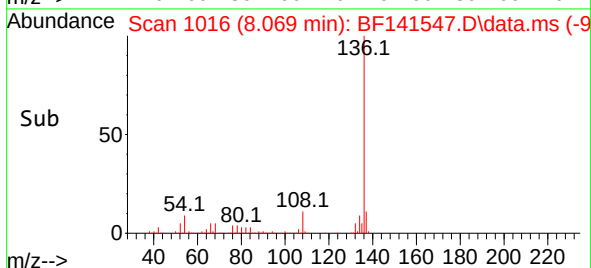


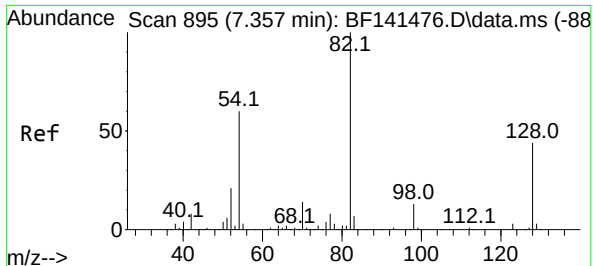
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45



Tgt Ion:136 Resp: 289682

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.9	7.2	10.8
68	4.7	3.7	5.5





#23

Nitrobenzene-d5

Concen: 10.941 ng

RT: 7.346 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925DL

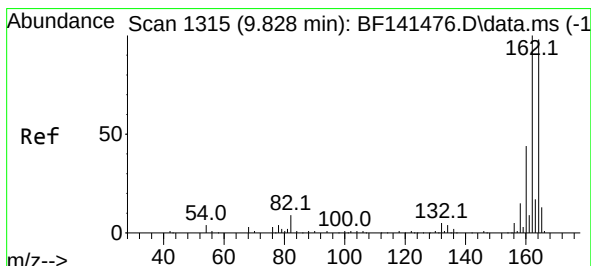
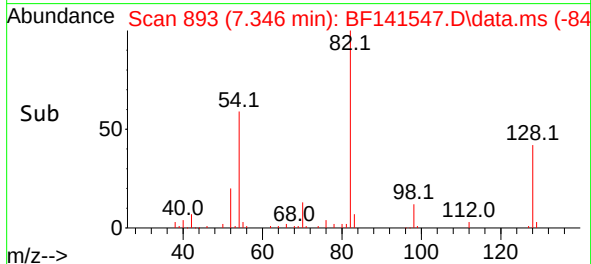
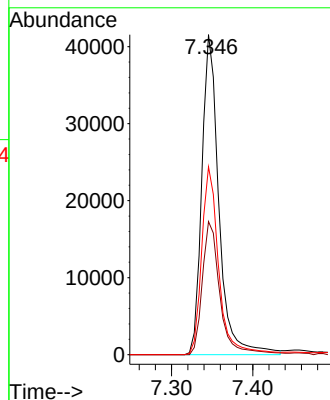
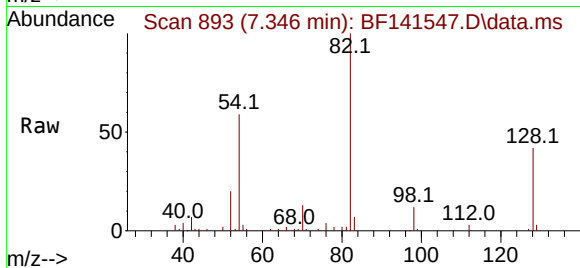
Tgt Ion: 82 Resp: 6076

Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.8	52.2
54	58.7	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

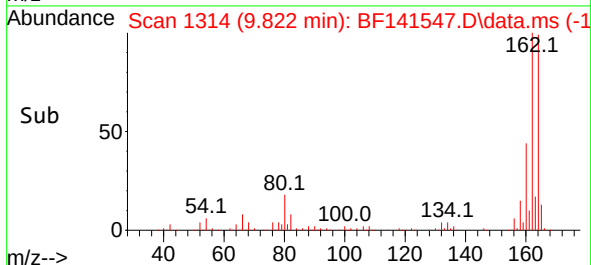
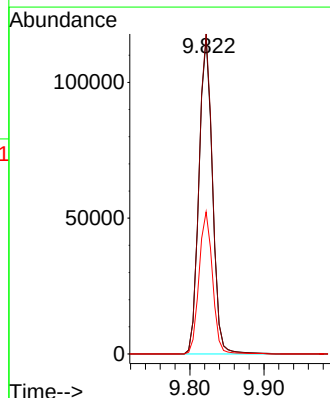
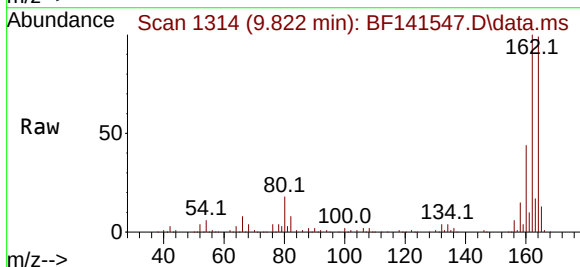
Delta R.T. -0.011 min

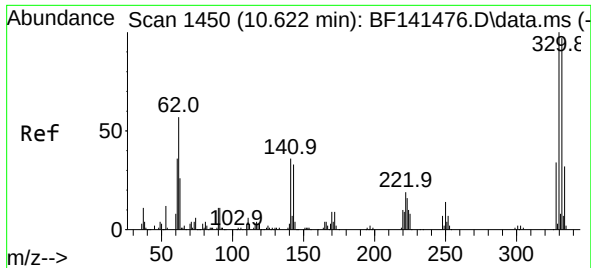
Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

Tgt Ion:164 Resp: 146988

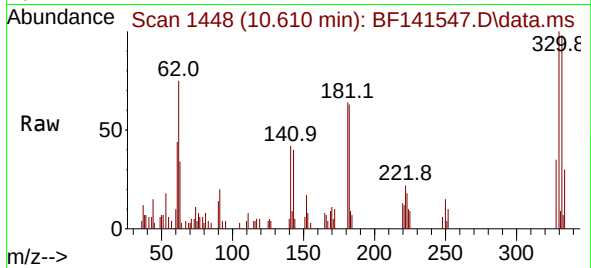
Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.3	121.9
160	45.1	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 4.449 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

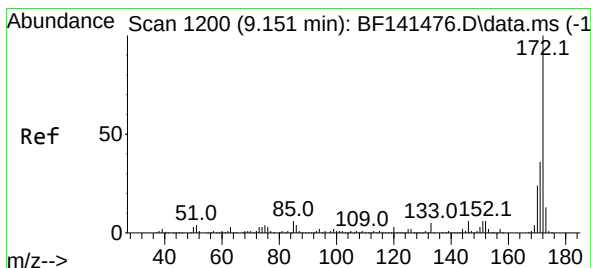
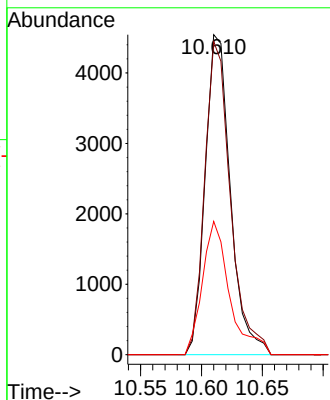
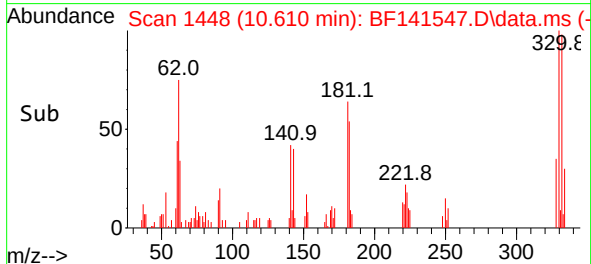
Instrument :
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ClientSampleId :
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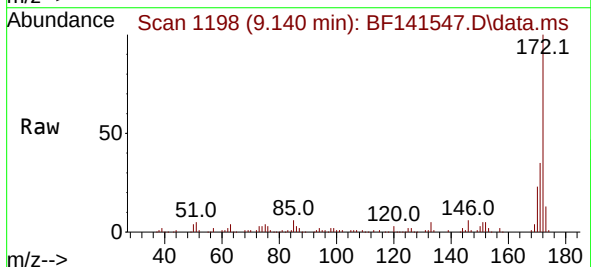
Tgt Ion: 330 Resp: 6569
Ion Ratio Lower Upper
330 100
332 99.7 78.5 117.7
141 45.0 31.0 46.4

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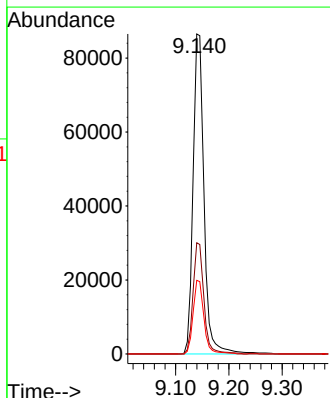
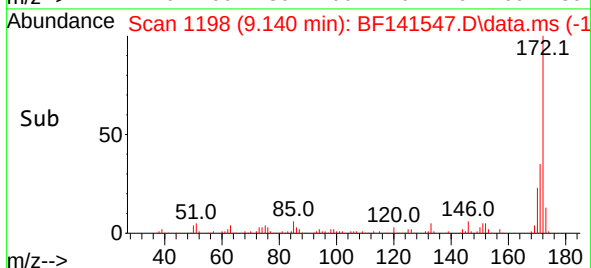
Reviewed By :Anahy Claudio 02/11/2025
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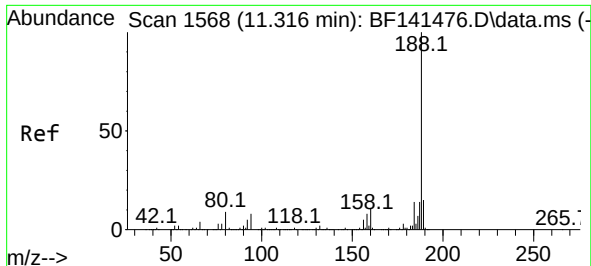


#45
2-Fluorobiphenyl
Concen: 13.002 ng
RT: 9.140 min Scan# 1198
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45



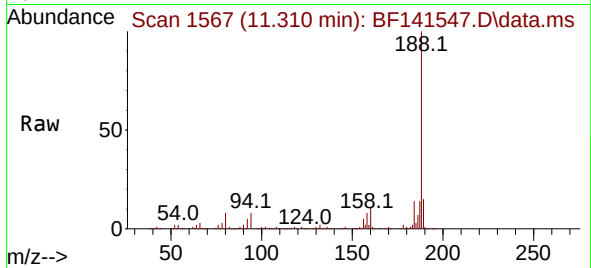
Tgt Ion: 172 Resp: 124048
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

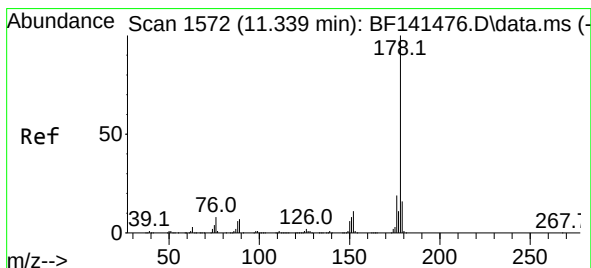
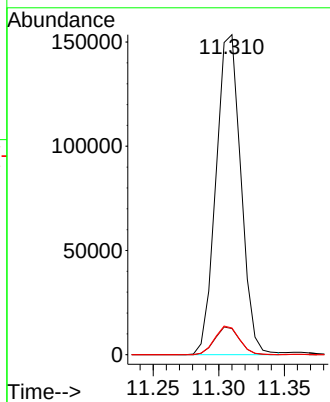
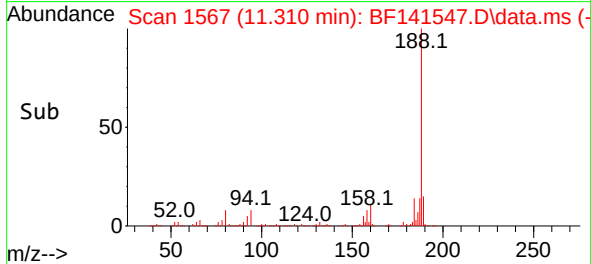
Instrument :
BNA_F
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JPP-42.2-012925DL



Tgt Ion:188 Resp: 202539
Ion Ratio Lower Upper
188 100
94 8.2 6.6 10.0
80 8.4 7.3 10.9

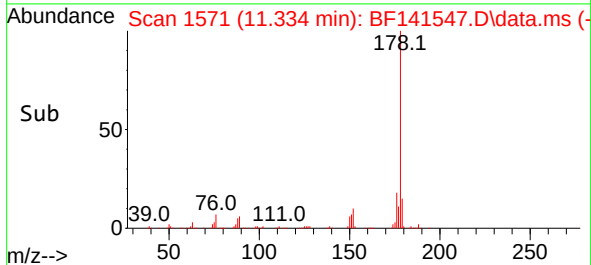
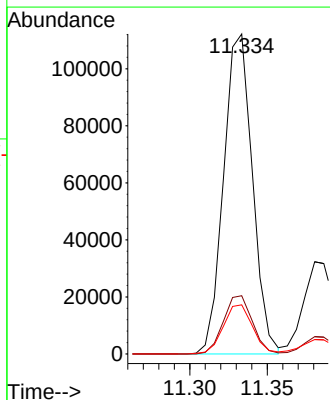
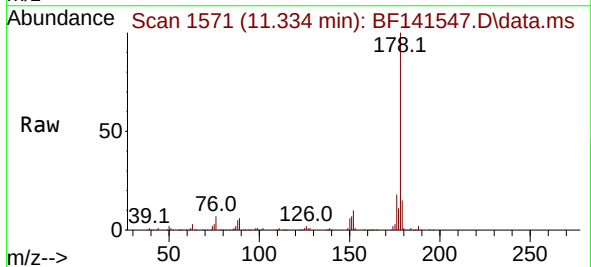
Manual Integrations
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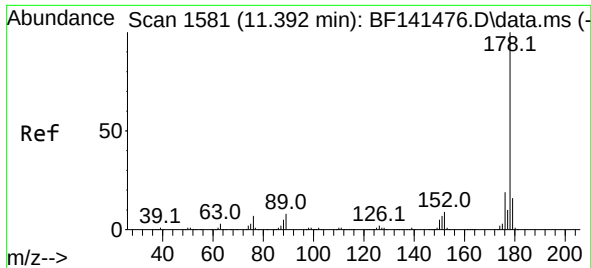
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#71
Phenanthrene
Concen: 13.028 ng
RT: 11.334 min Scan# 1571
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

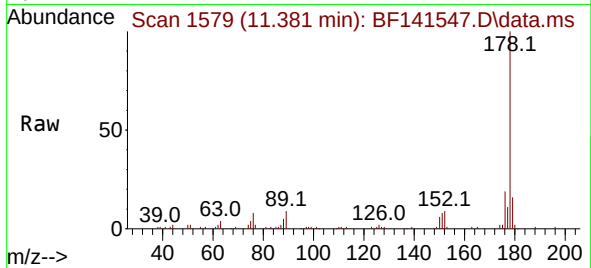
Tgt Ion:178 Resp: 145244
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 4.247 ng
 RT: 11.381 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF141547.D
 Acq: 10 Feb 2025 20:45

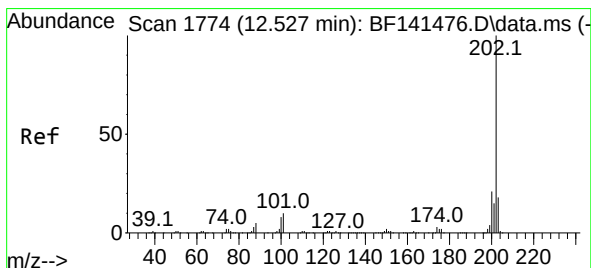
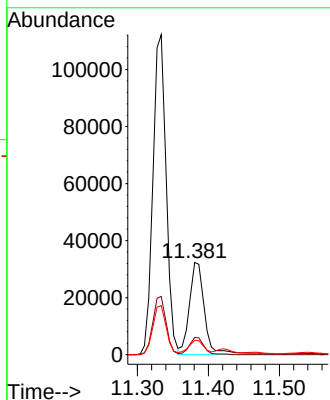
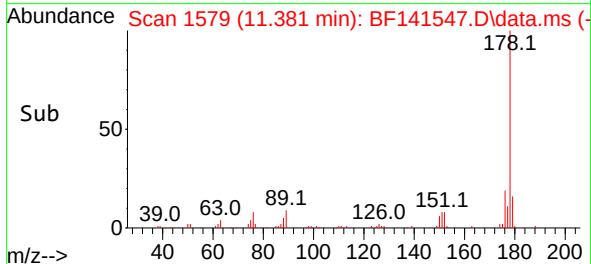
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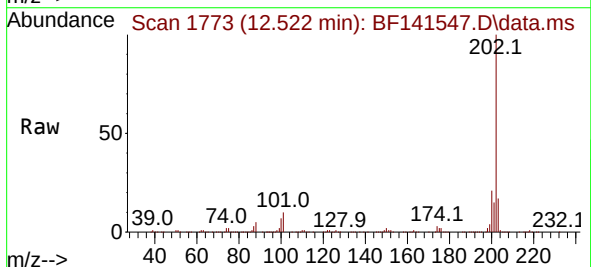
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 Ion Ratio Lower Upper
 178 100
 176 18.8 14.8 22.2
 179 15.6 12.4 18.6

Manual Integrations
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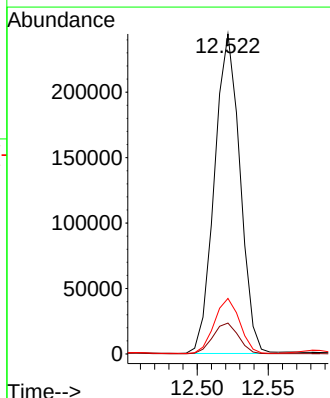
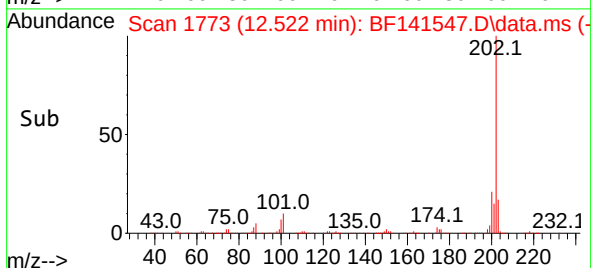
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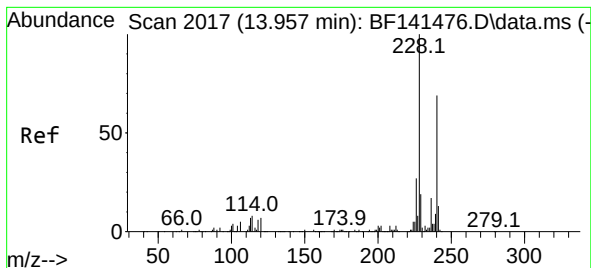


#75
 Fluoranthene
 Concen: 25.847 ng
 RT: 12.522 min Scan# 1773
 Delta R.T. -0.011 min
 Lab File: BF141547.D
 Acq: 10 Feb 2025 20:45



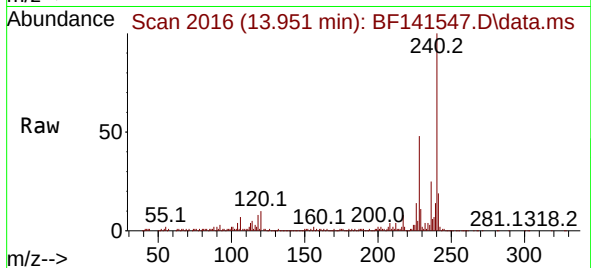
Tgt Ion:202 Resp: 305505
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 30.2
 203 17.3 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

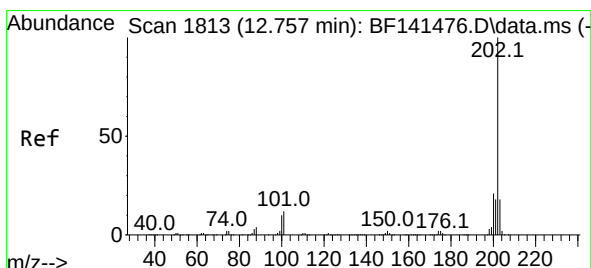
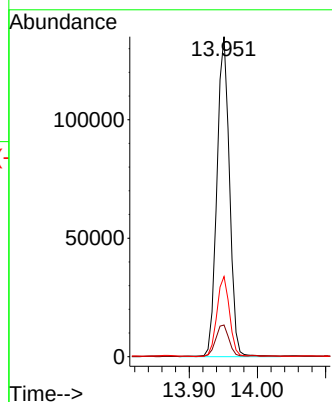
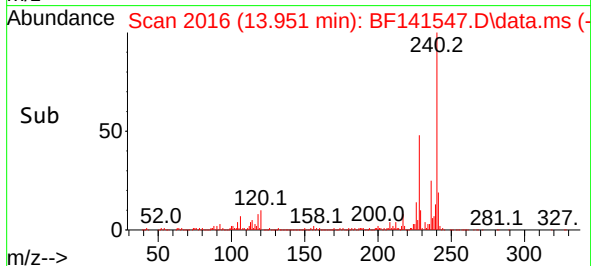
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL



Tgt Ion:240 Resp: 173395
Ion Ratio Lower Upper
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120 9.9 8.0 12.0
236 25.0 19.8 29.8

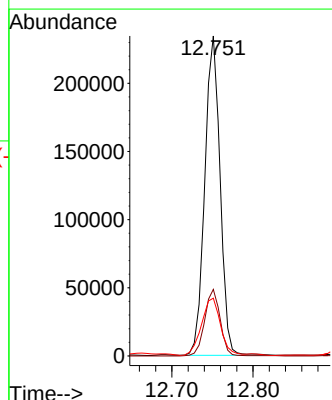
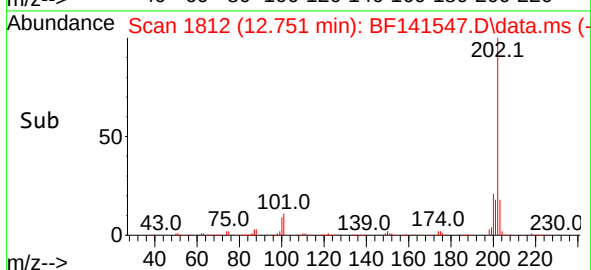
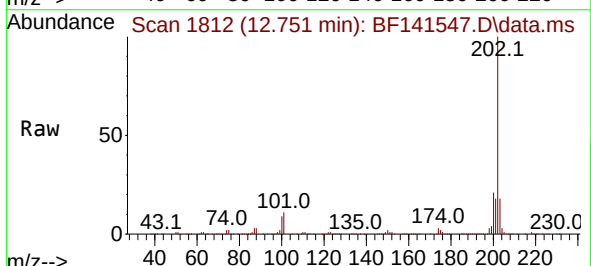
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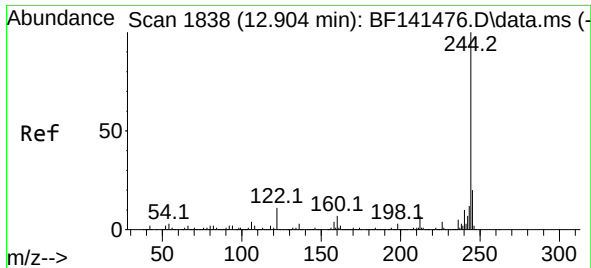
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025



#78
Pyrene
Concen: 20.806 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

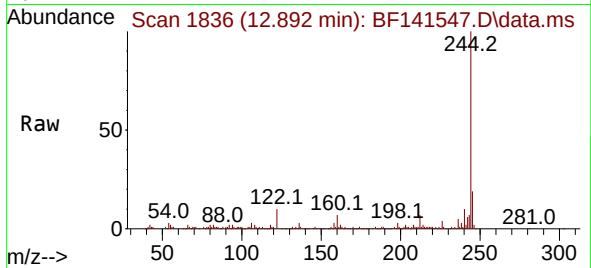
Tgt Ion:202 Resp: 307116
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 18.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 9.685 ng
 RT: 12.892 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BF141547.D
 Acq: 10 Feb 2025 20:45

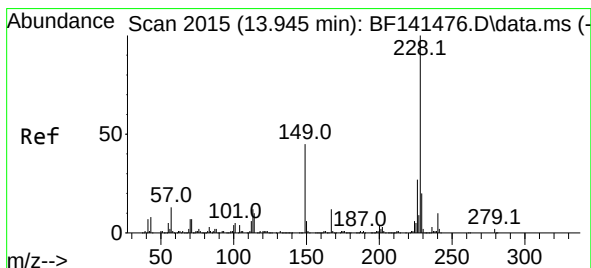
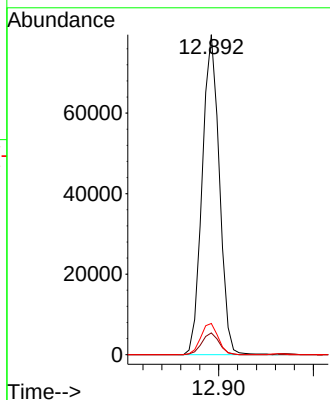
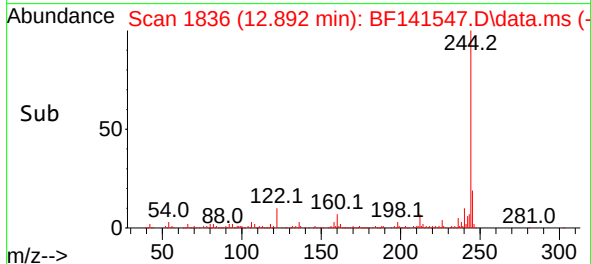
Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925DL



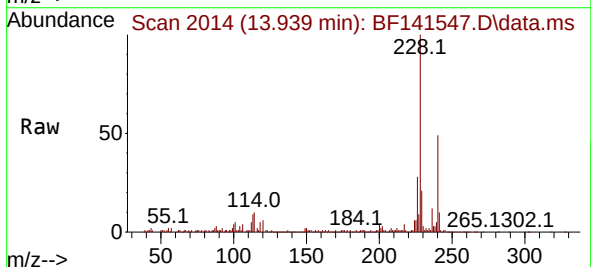
Tgt Ion:244 Resp: 9947
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 9.7 8.4 12.6

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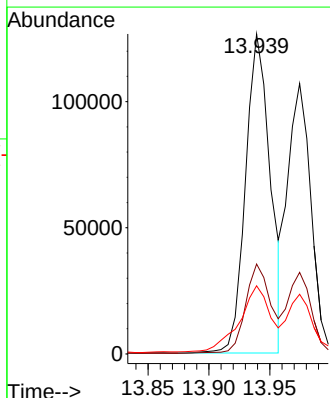
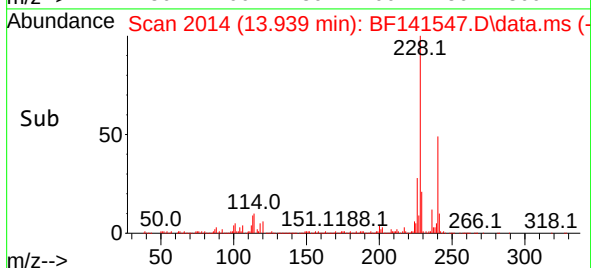
Reviewed By :Anahy Claudio 02/11/2025
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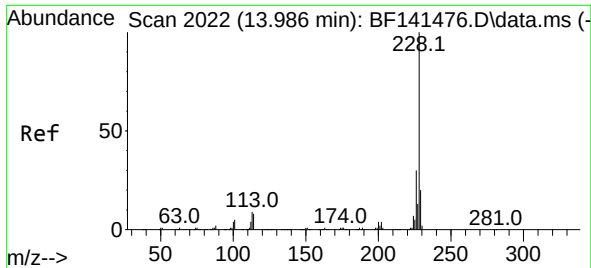


#81
 Benzo(a)anthracene
 Concen: 15.542 ng
 RT: 13.939 min Scan# 2014
 Delta R.T. -0.011 min
 Lab File: BF141547.D
 Acq: 10 Feb 2025 20:45



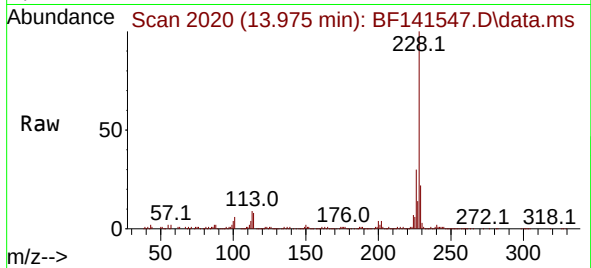
Tgt Ion:228 Resp: 179139
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.8 32.8
 229 21.3 15.8 23.6





#83
Chrysene
Concen: 13.297 ng
RT: 13.975 min Scan# 2022
Delta R.T. -0.017 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45

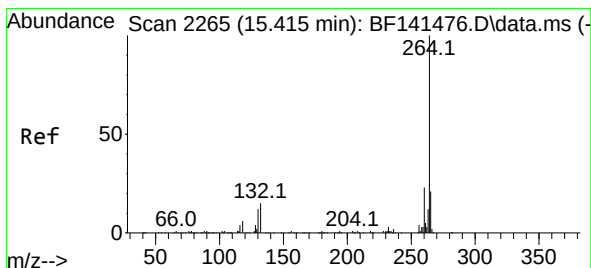
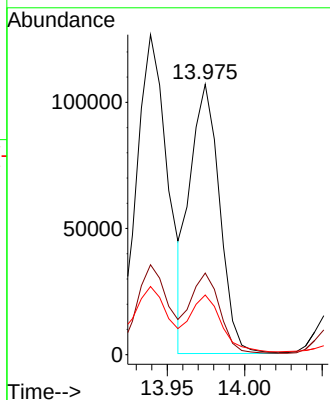
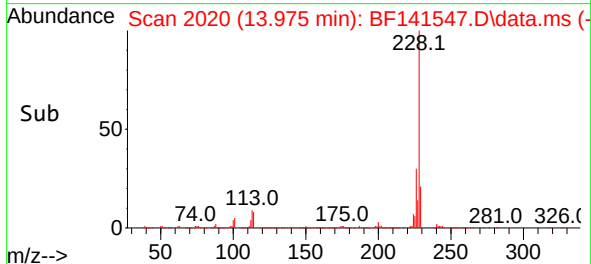
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925DL



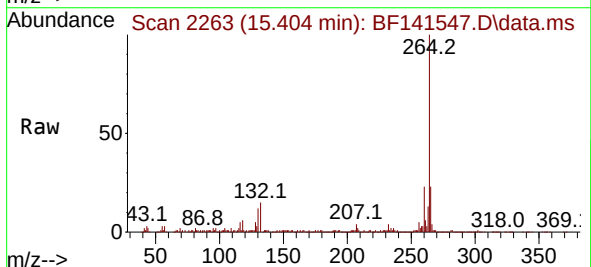
Tgt Ion:228 Resp: 14152
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.1 15.7 23.5

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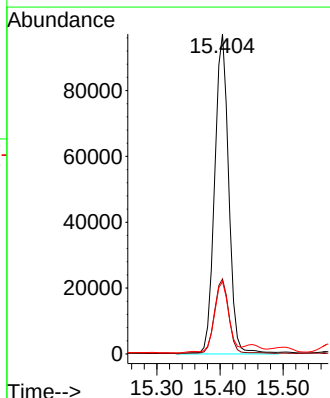
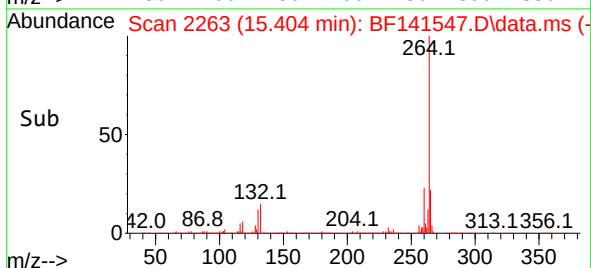
Reviewed By :Anahy Claudio 02/11/2025
Supervised By :Jagrut Upadhyay 02/11/2025

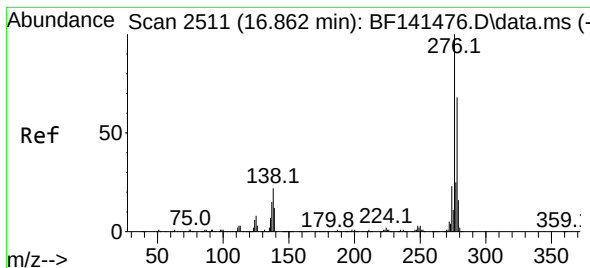


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF141547.D
Acq: 10 Feb 2025 20:45



Tgt Ion:264 Resp: 150535
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.101 ng m

RT: 16.833 min Scan# 2192

Delta R.T. -0.041 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

Instrument :

BNA_F

ClientSampleId :

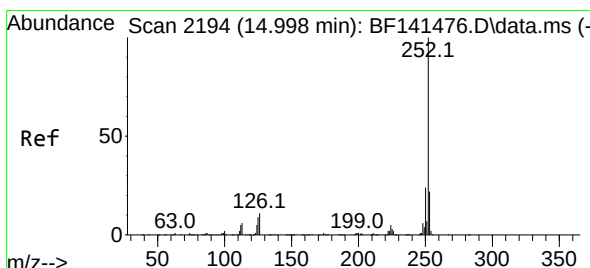
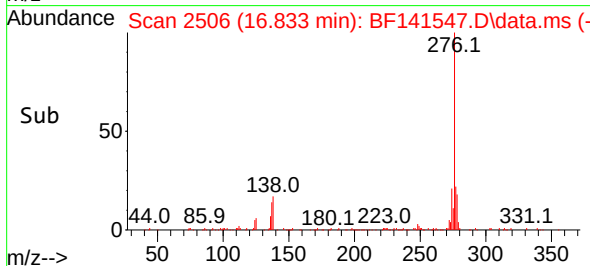
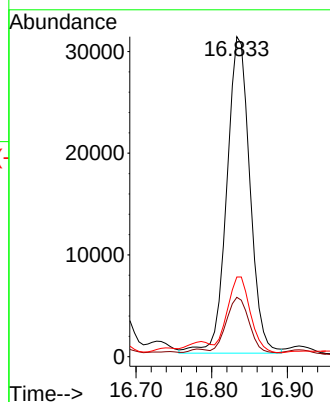
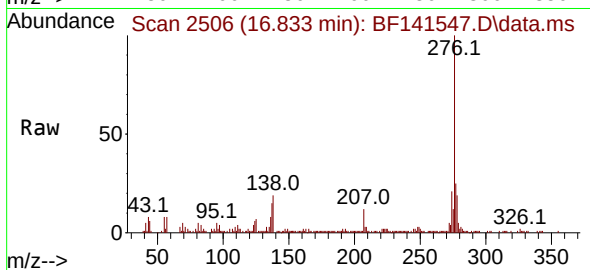
JPP-42.2-012925DL

Tgt Ion:276 Resp: 66049
 Ion Ratio Lower Upper
 276 100
 138 3.7 18.0 27.0
 277 4.1 20.4 30.6

Manual Integrations

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



#88

Benzo(b)fluoranthene

Concen: 18.658 ng m

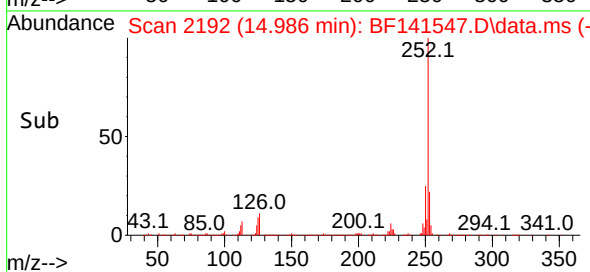
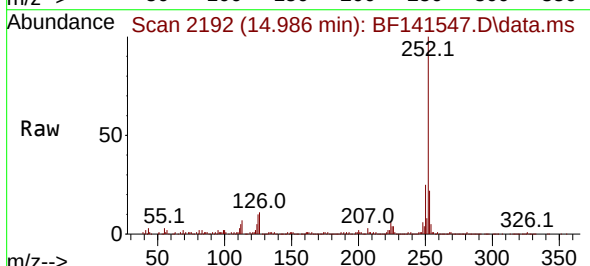
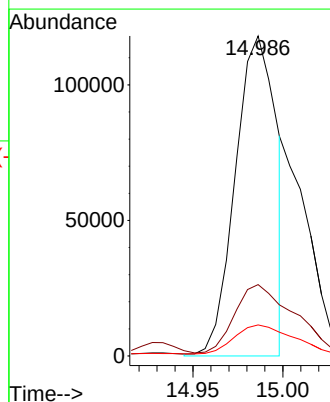
RT: 14.986 min Scan# 2192

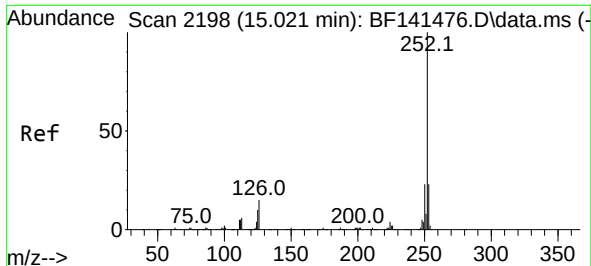
Delta R.T. -0.017 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

Tgt Ion:252 Resp: 188588
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.5 26.3
 125 9.7 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 8.649 ng m

RT: 14.998 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

Instrument :

BNA_F

ClientSampleId :

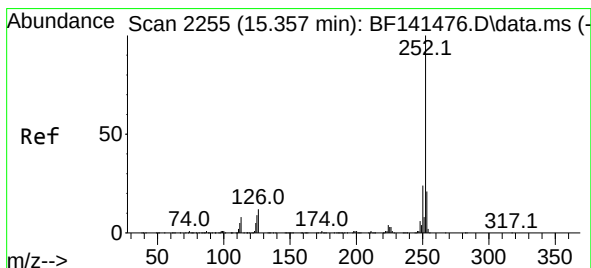
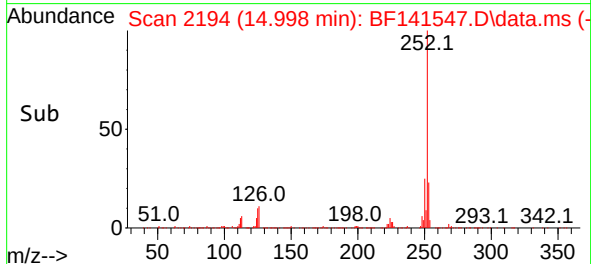
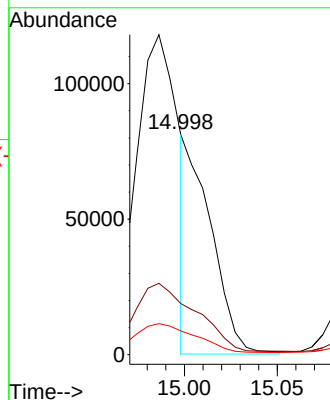
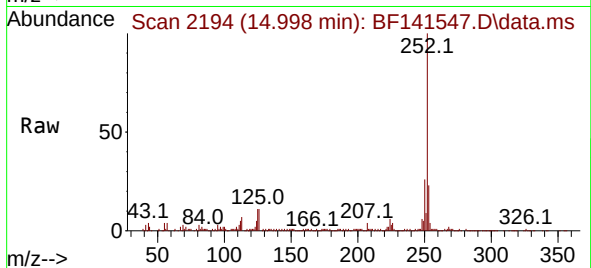
JPP-42.2-012925DL

Tgt Ion:252 Resp: 74650
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 10.8 7.4 11.0

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 17.219 ng

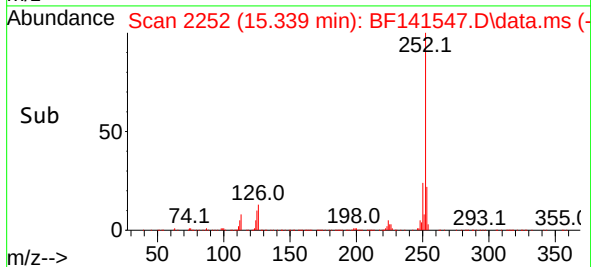
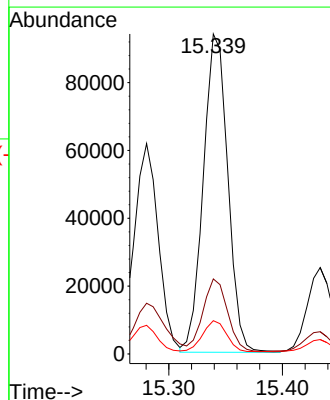
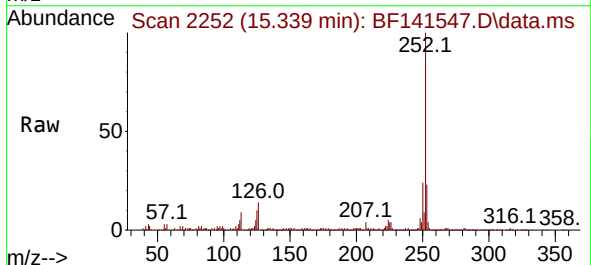
RT: 15.339 min Scan# 2252

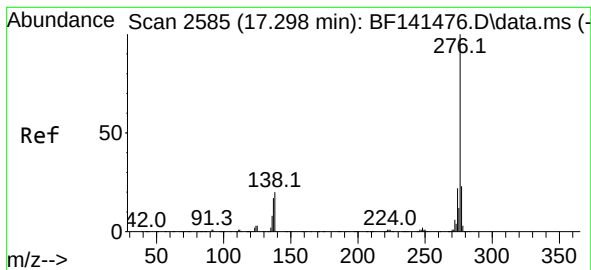
Delta R.T. -0.023 min

Lab File: BF141547.D

Acq: 10 Feb 2025 20:45

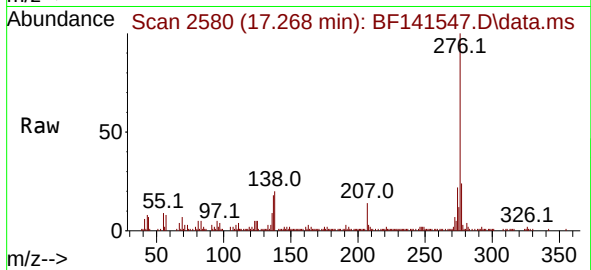
Tgt Ion:252 Resp: 140833
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.1 25.7
 125 10.4 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 7.771 ng
 RT: 17.268 min Scan# 2580
 Delta R.T. -0.047 min
 Lab File: BF141547.D
 Acq: 10 Feb 2025 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925DL



Tgt Ion: 276 Resp: 61289
 Ion Ratio Lower Upper
 276 100
 277 24.4 18.6 28.0
 138 20.3 15.9 23.9

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

