

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141601.D
 Acq On : 12 Feb 2025 20:04
 Operator : RC/JU
 Sample : Q1341-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAR-ROLLOFFS

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025

Quant Time: Feb 12 22:00:57 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	85235	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	330272	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	170346	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	255809	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	174419	20.000	ng	-0.01
86) Perylene-d12	15.409	264	158124	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	415391	76.404	ng	0.00
7) Phenol-d6	6.422	99	503486	73.270	ng	-0.02
23) Nitrobenzene-d5	7.345	82	330847	52.249	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	117364	68.586	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	569467	51.504	ng	-0.01
79) Terphenyl-d14	12.892	244	442381	42.817	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.327	178	56329	4.000	ng	99
75) Fluoranthene	12.521	202	106916	7.162	ng	98
78) Pyrene	12.745	202	167647	11.291	ng	99
81) Benzo(a)anthracene	13.939	228	80333m	6.929	ng	
83) Chrysene	13.974	228	75380	7.041	ng	98
84) Bis(2-ethylhexyl)phtha...	13.927	149	51534	8.885	ng	98
87) Indeno(1,2,3-cd)pyrene	16.839	276	30316	3.103	ng	96
88) Benzo(b)fluoranthene	14.992	252	92003m	8.665	ng	
89) Benzo(k)fluoranthene	15.009	252	21170m	2.335	ng	
90) Benzo(a)pyrene	15.345	252	60929	7.092	ng	97
92) Benzo(g,h,i)perylene	17.274	276	33388	4.030	ng	98

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

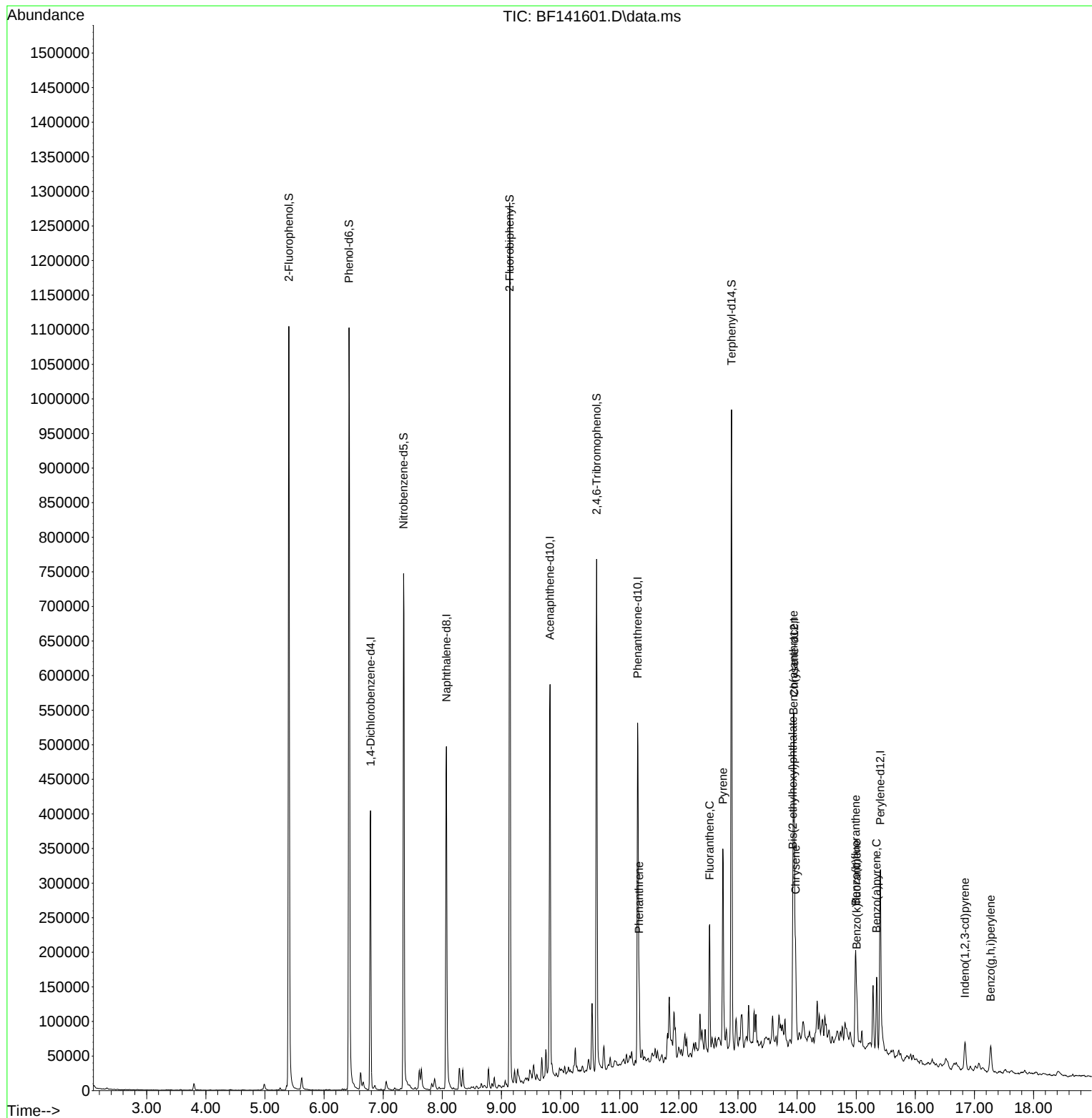
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
Data File : BF141601.D
Acq On : 12 Feb 2025 20:04
Operator : RC/JU
Sample : Q1341-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

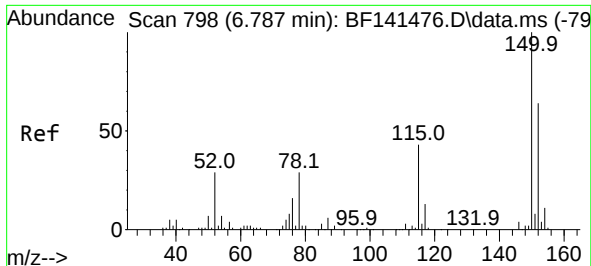
Instrument :
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Quant Time: Feb 12 22:00:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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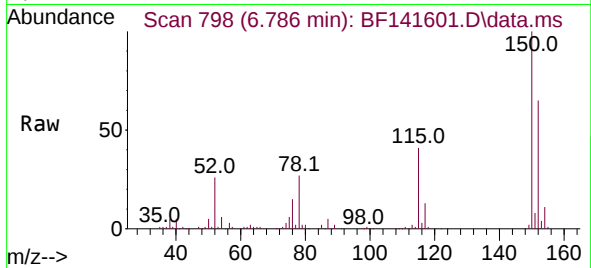
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

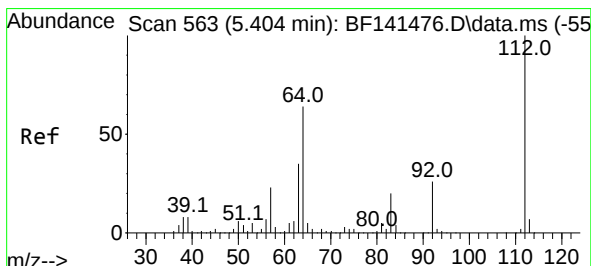
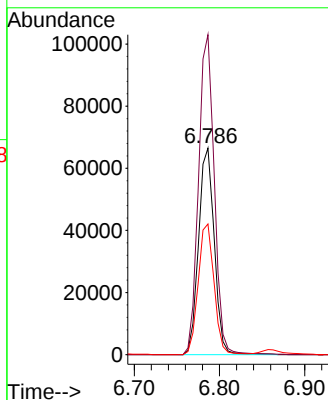
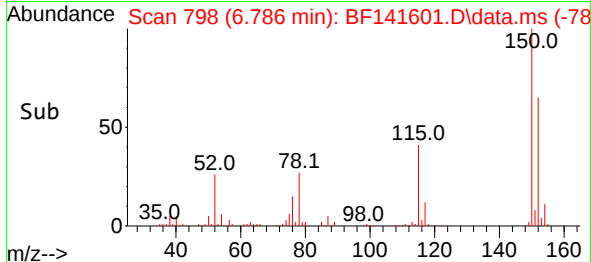
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS



Tgt Ion:152 Resp: 85235
Ion Ratio Lower Upper
152 100
150 154.9 125.0 187.4
115 63.3 53.6 80.4

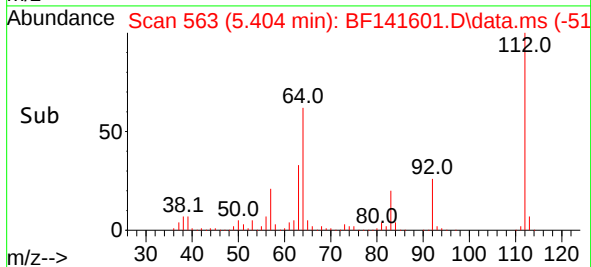
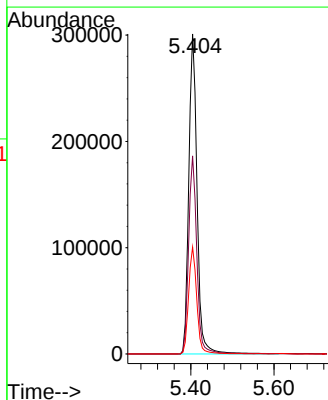
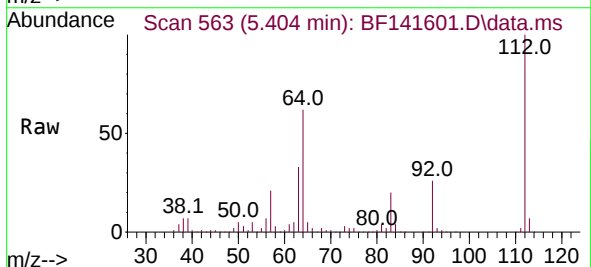
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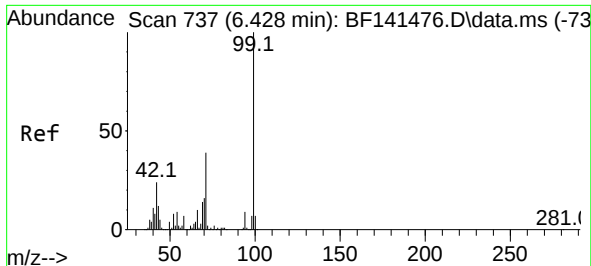
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#5
2-Fluorophenol
Concen: 76.404 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

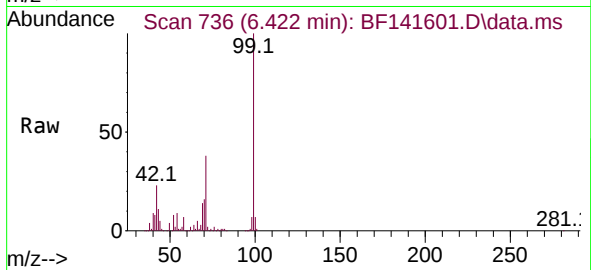
Tgt Ion:112 Resp: 415391
Ion Ratio Lower Upper
112 100
64 61.9 51.1 76.7
63 33.4 28.4 42.6





#7
Phenol-d6
Concen: 73.270 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

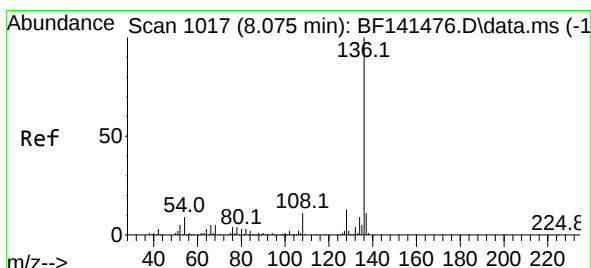
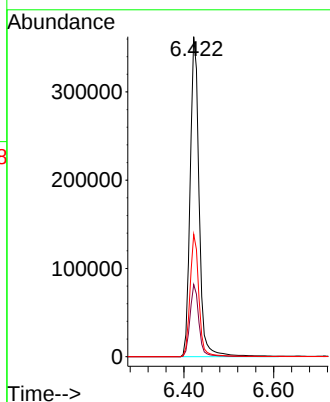
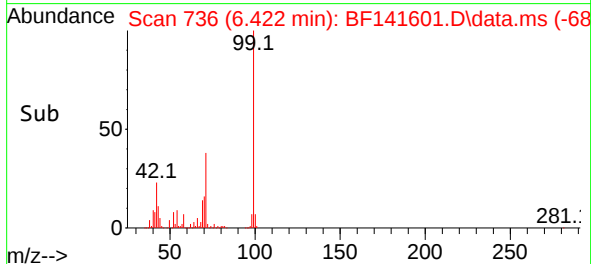
Instrument :
BNA_F
ClientSampleId :
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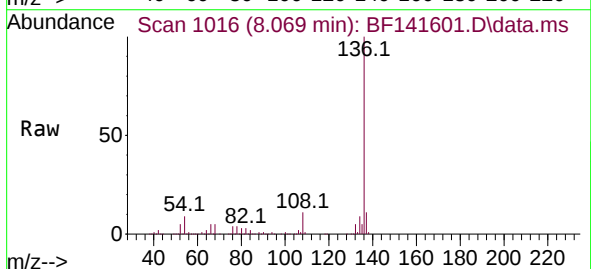
Tgt Ion: 99 Resp: 503480
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 38.2 31.1 46.7

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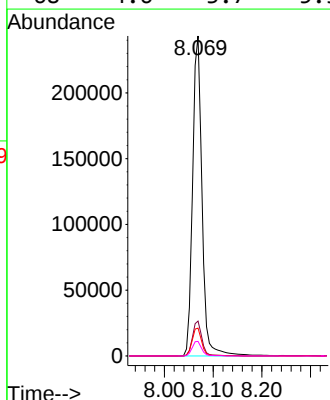
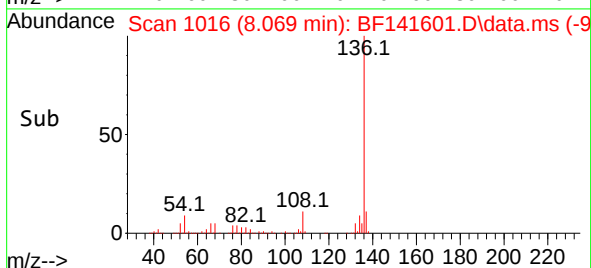
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04



Tgt Ion:136 Resp: 330272
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.7 7.2 10.8
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 52.249 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

Instrument :

BNA_F

ClientSampleId :

HAR-ROLLOFFS

Tgt Ion: 82 Resp: 33084

Ion Ratio Lower Upper

82 100

128 42.8 34.8 52.2

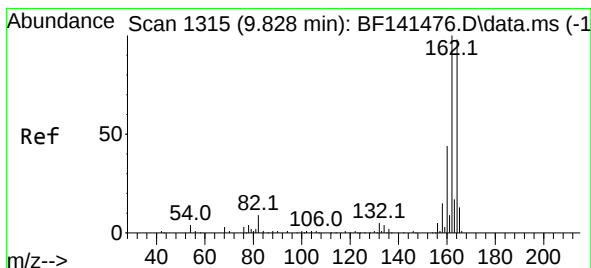
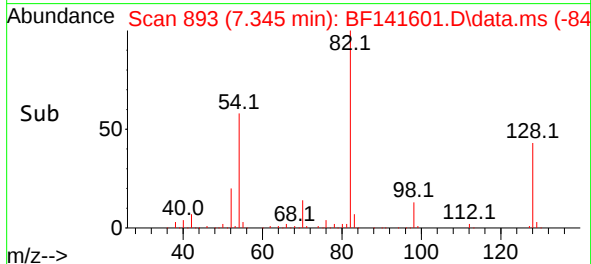
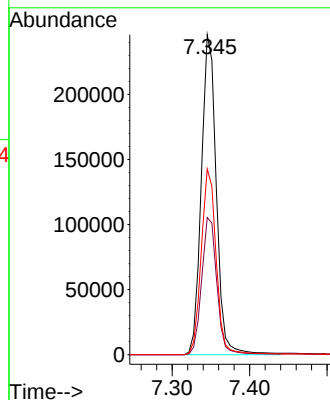
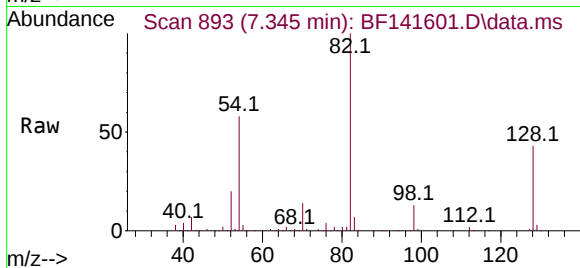
54 58.1 48.2 72.4

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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: BF141601.D

Acq: 12 Feb 2025 20:04

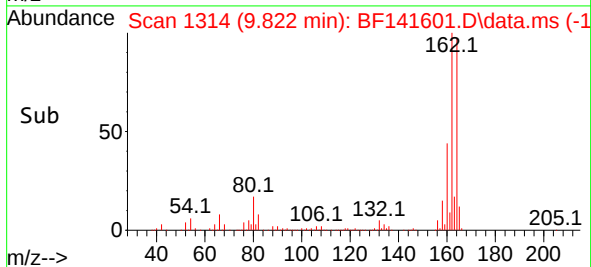
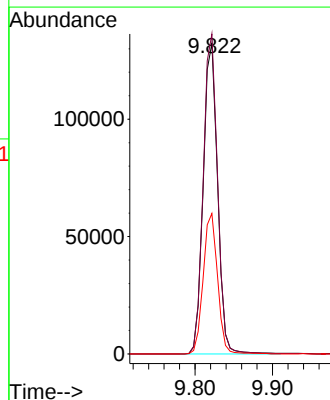
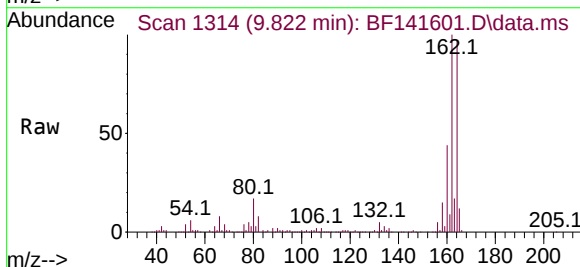
Tgt Ion:164 Resp: 170346

Ion Ratio Lower Upper

164 100

162 103.0 81.3 121.9

160 45.2 35.9 53.9





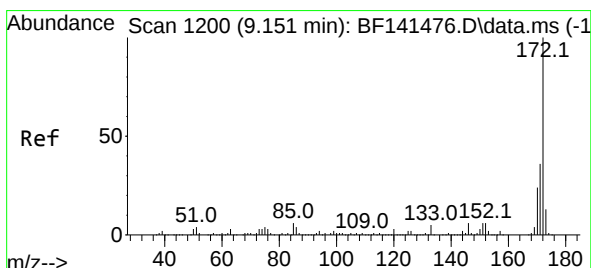
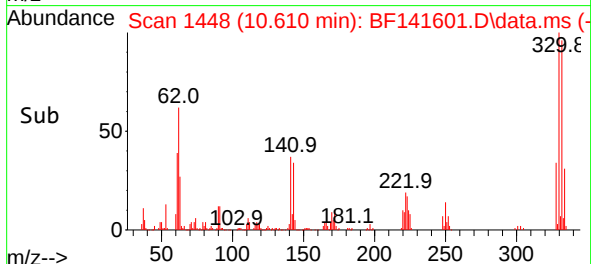
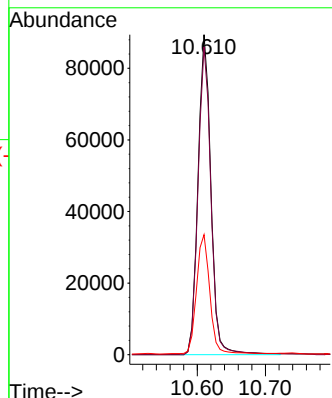
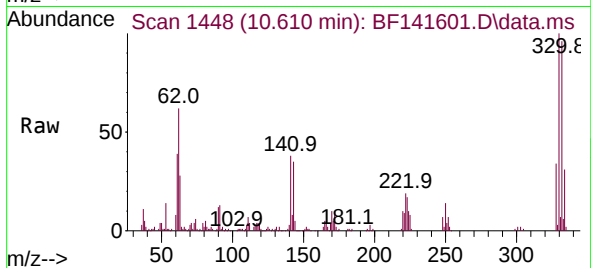
#42
2,4,6-Tribromophenol
Concen: 68.586 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS

Tgt Ion: 330 Resp: 117364
Ion Ratio Lower Upper
330 100
332 96.3 78.5 117.7
141 38.4 31.0 46.4

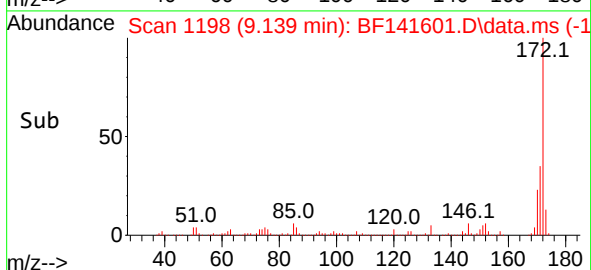
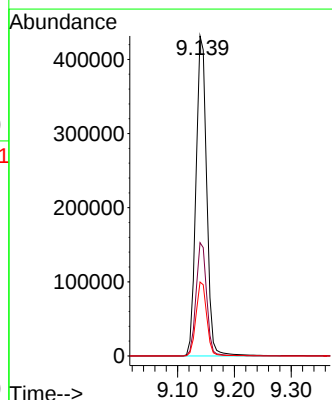
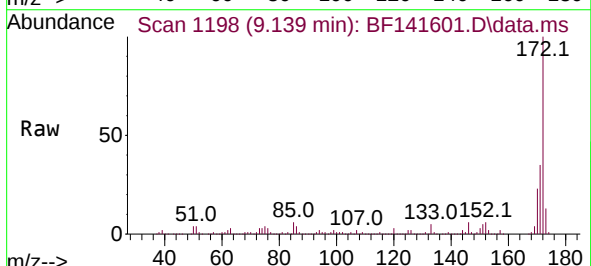
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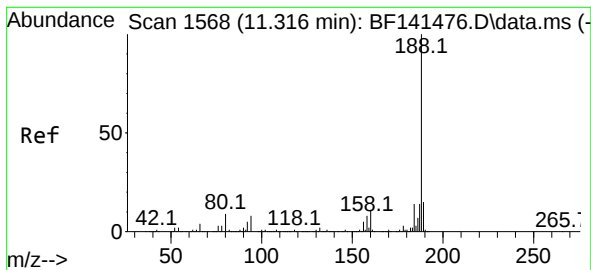
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#45
2-Fluorobiphenyl
Concen: 51.504 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Tgt Ion: 172 Resp: 569467
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3





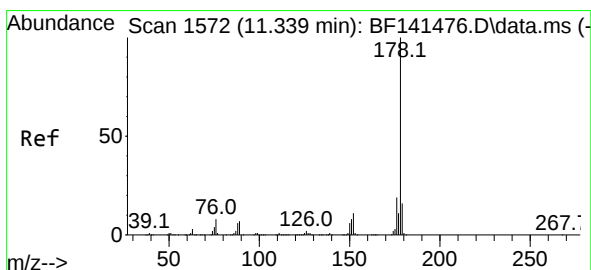
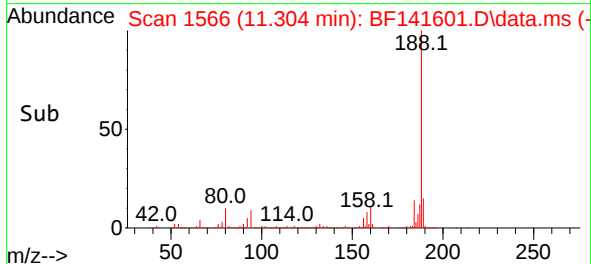
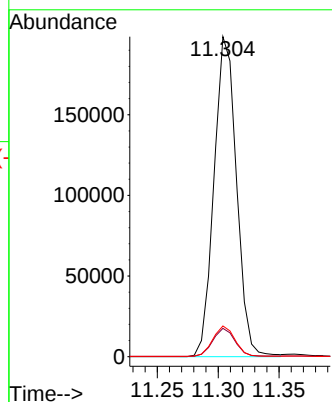
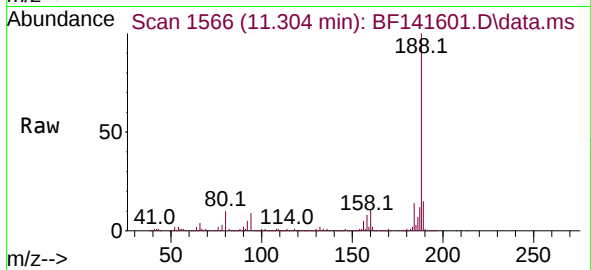
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS

Tgt Ion:188 Resp: 255809
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.6 7.3 10.9

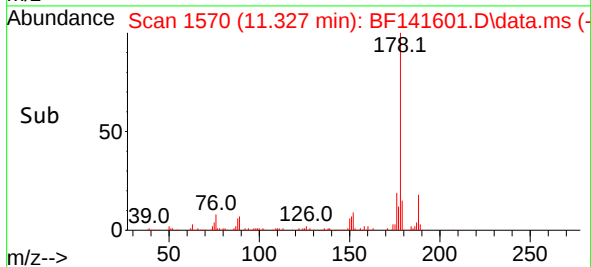
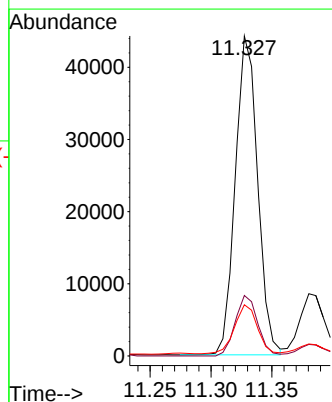
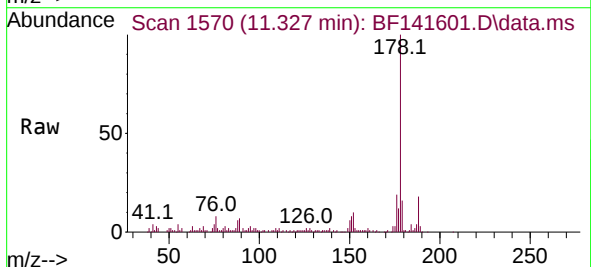
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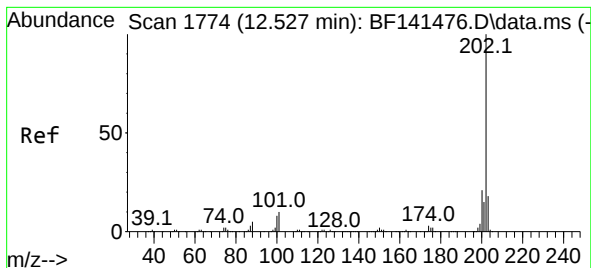
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#71
Phenanthrene
Concen: 4.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

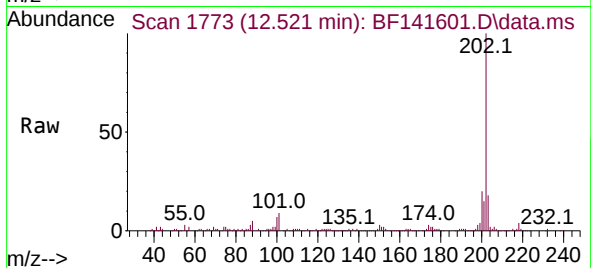
Tgt Ion:178 Resp: 56329
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 16.0 12.4 18.6





#75
Fluoranthene
Concen: 7.162 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

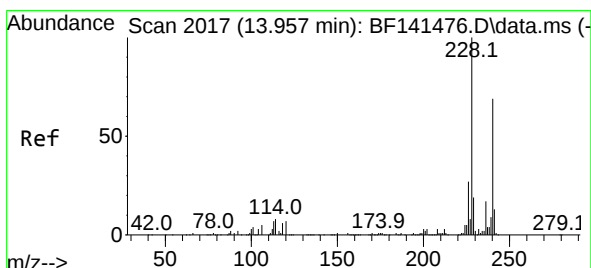
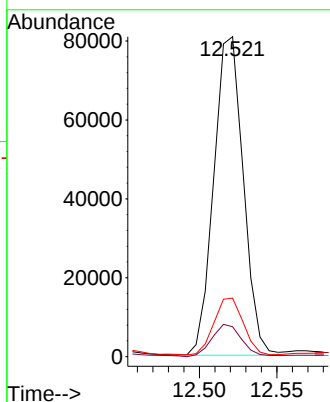
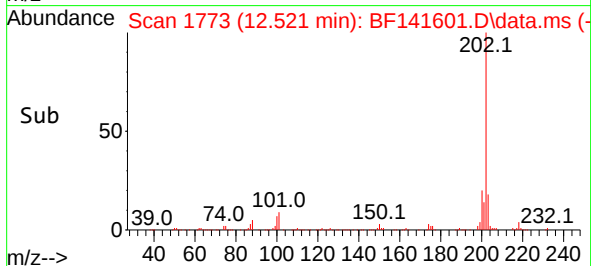
Instrument :
BNA_F
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HAR-ROLLOFFS



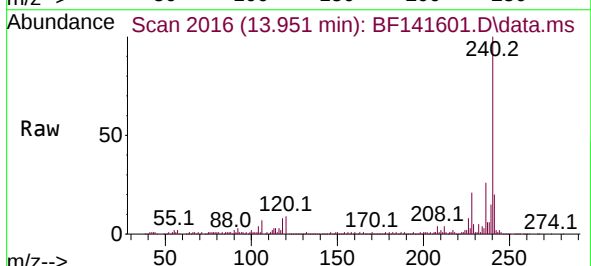
Tgt Ion:202 Resp: 106910
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.2
203 18.3 0.0 37.6

Manual Integrations
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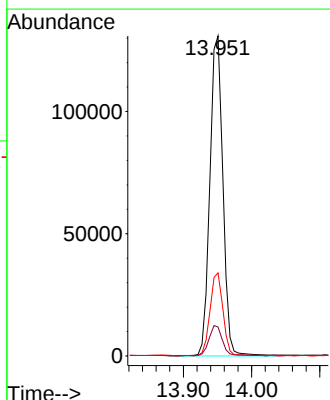
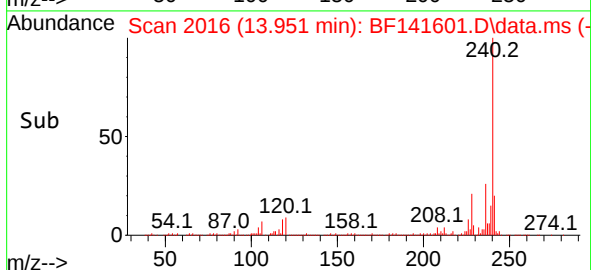
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

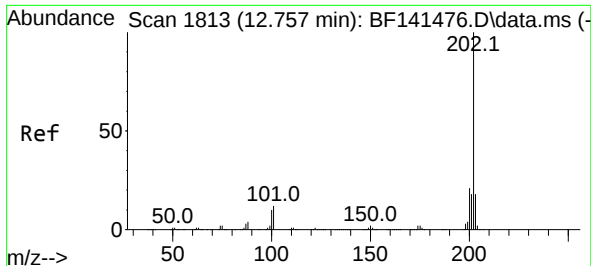


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04



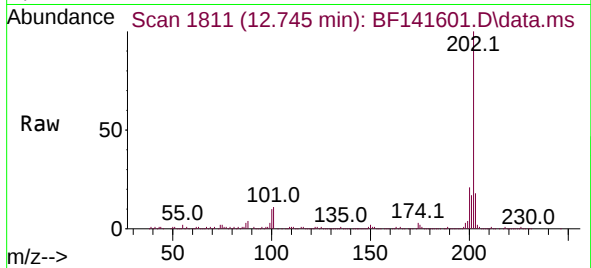
Tgt Ion:240 Resp: 174419
Ion Ratio Lower Upper
240 100
120 9.1 8.0 12.0
236 26.0 19.8 29.8





#78
Pyrene
Concen: 11.291 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

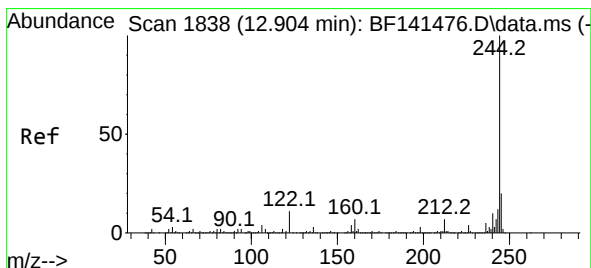
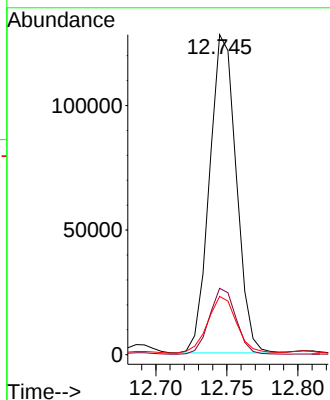
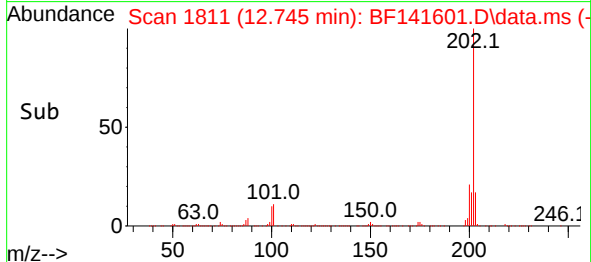
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS



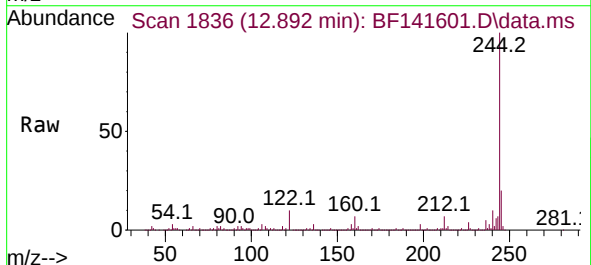
Tgt Ion:202 Resp: 16764
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 18.2 14.3 21.5

Manual Integrations
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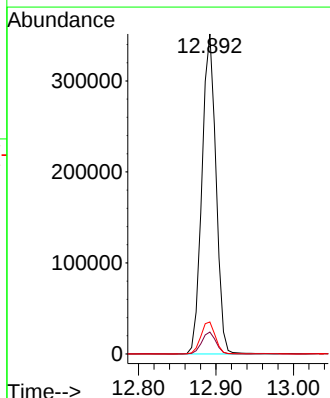
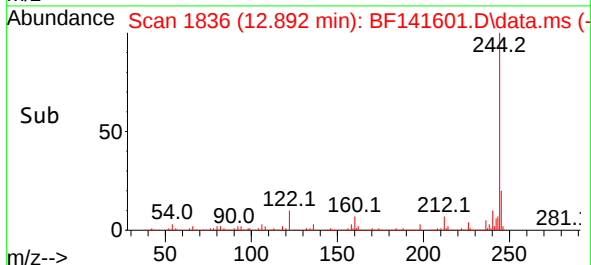
Reviewed By :Anahy Claudio 02/13/2025
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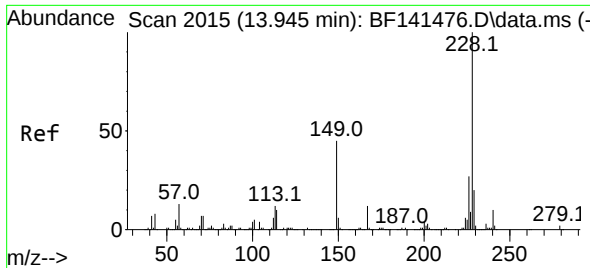


#79
Terphenyl-d14
Concen: 42.817 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04



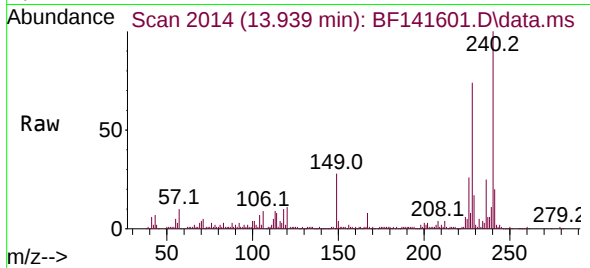
Tgt Ion:244 Resp: 442381
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.0 8.4 12.6





#81
Benzo(a)anthracene
Concen: 6.929 ng m
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

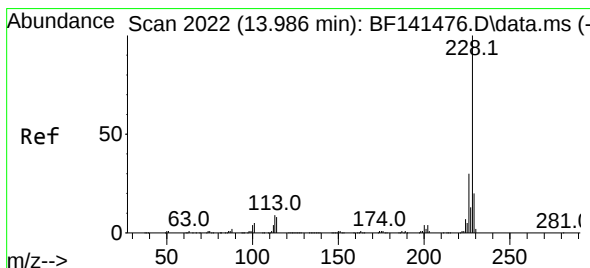
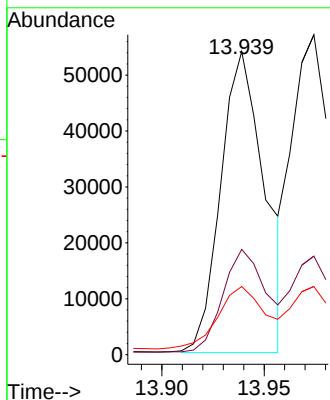
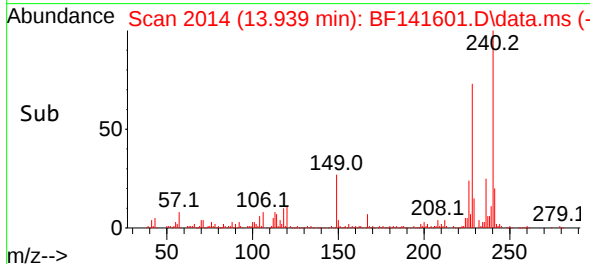
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS



Tgt Ion:228 Resp: 8033
Ion Ratio Lower Upper
228 100
226 34.7 21.8 32.8
229 22.5 15.8 23.6

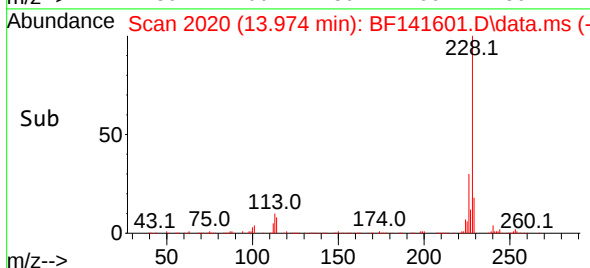
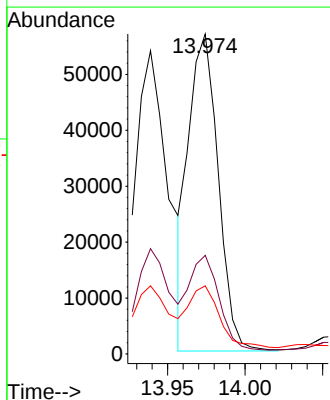
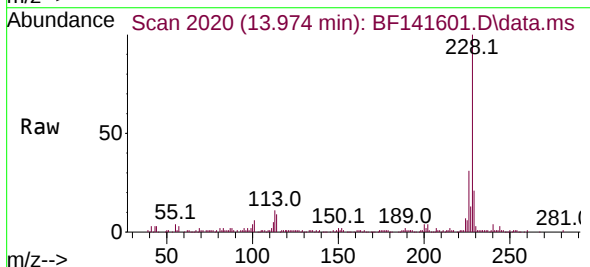
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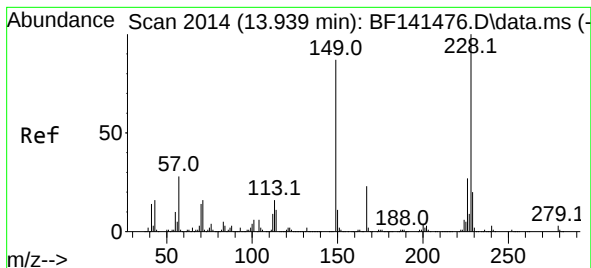
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#83
Chrysene
Concen: 7.041 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

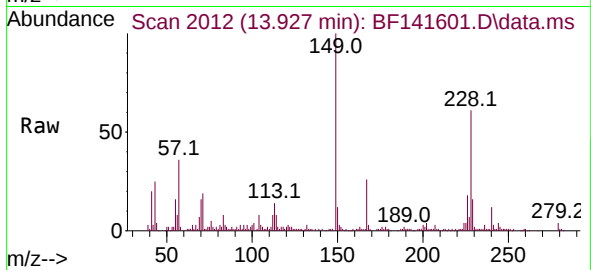
Tgt Ion:228 Resp: 75380
Ion Ratio Lower Upper
228 100
226 30.8 24.0 36.0
229 21.3 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 8.885 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

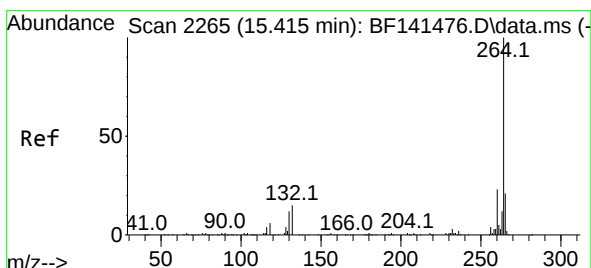
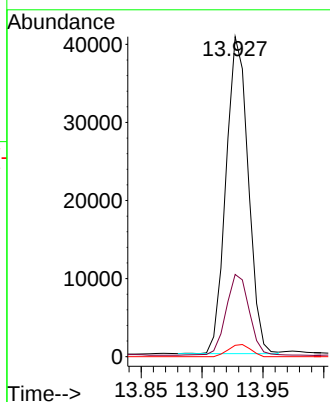
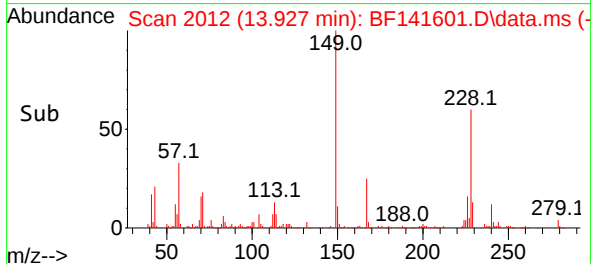
Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS



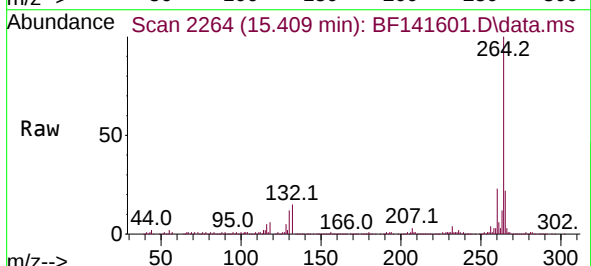
Tgt Ion:149 Resp: 51534
Ion Ratio Lower Upper
149 100
167 25.7 21.4 32.0
279 3.6 3.1 4.7

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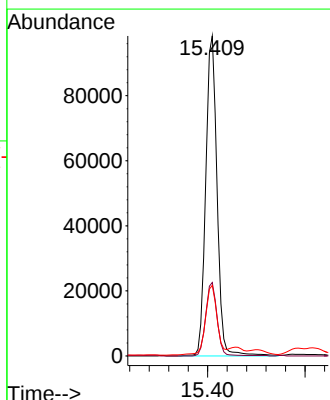
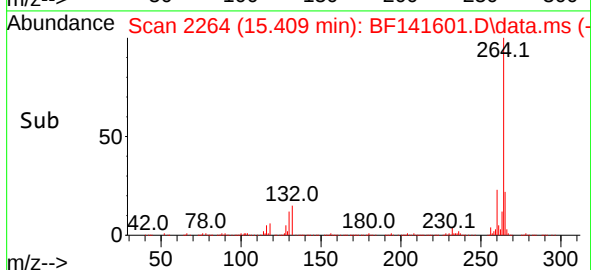
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

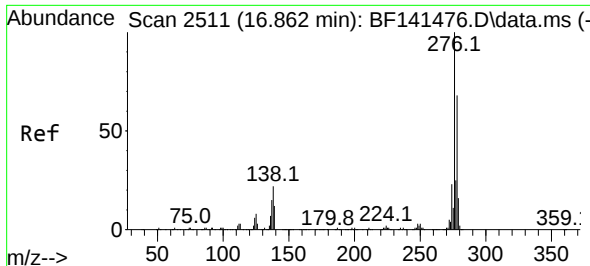


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04



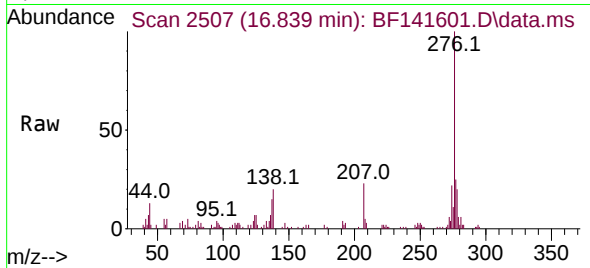
Tgt Ion:264 Resp: 158124
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 22.1 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.103 ng
 RT: 16.839 min Scan# 2150
 Delta R.T. -0.035 min
 Lab File: BF141601.D
 Acq: 12 Feb 2025 20:04

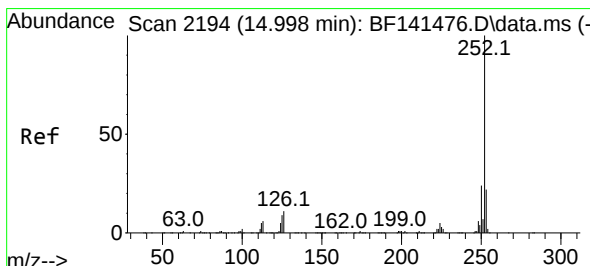
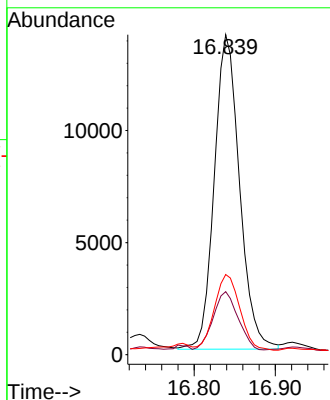
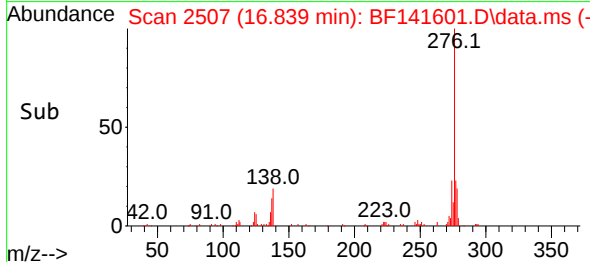
Instrument :
 BNA_F
 ClientSampleId :
 HAR-ROLLOFFS



Tgt Ion: 276 Resp: 30310
 Ion Ratio Lower Upper
 276 100
 138 20.2 18.0 27.0
 277 24.3 20.4 30.6

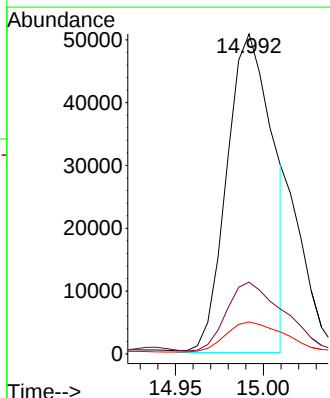
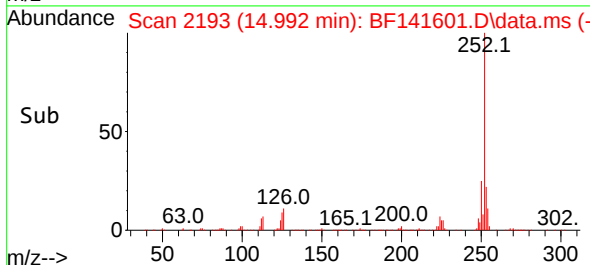
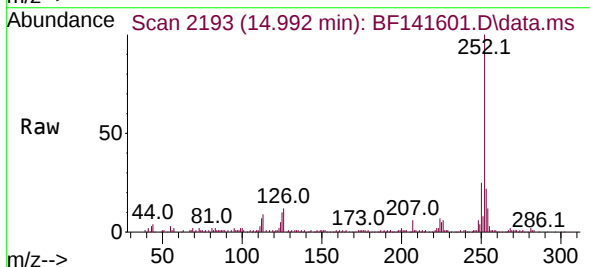
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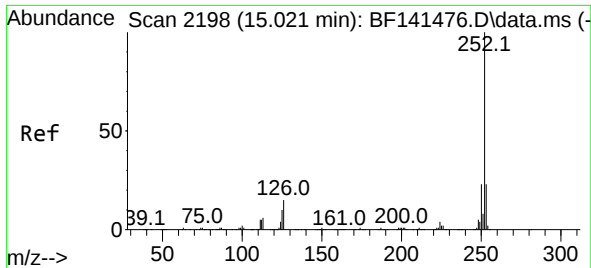
Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025



#88
 Benzo(b)fluoranthene
 Concen: 8.665 ng m
 RT: 14.992 min Scan# 2193
 Delta R.T. -0.012 min
 Lab File: BF141601.D
 Acq: 12 Feb 2025 20:04

Tgt Ion: 252 Resp: 92003
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.5 26.3
 125 10.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 2.335 ng m

RT: 15.009 min Scan# 21170

Delta R.T. -0.024 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

Instrument :

BNA_F

ClientSampleId :

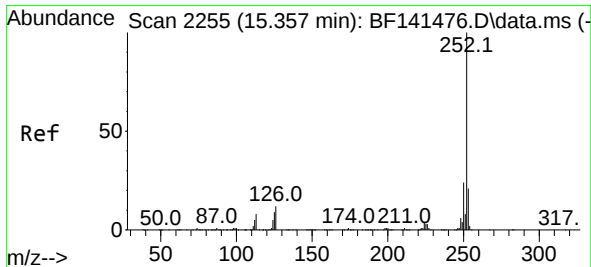
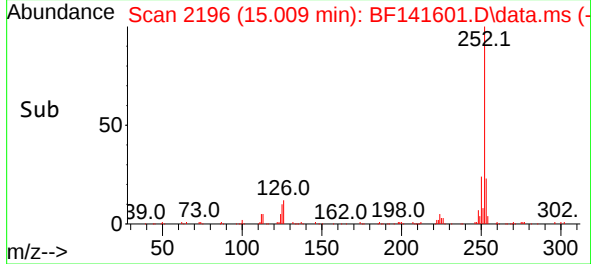
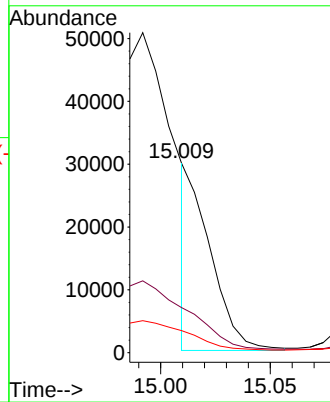
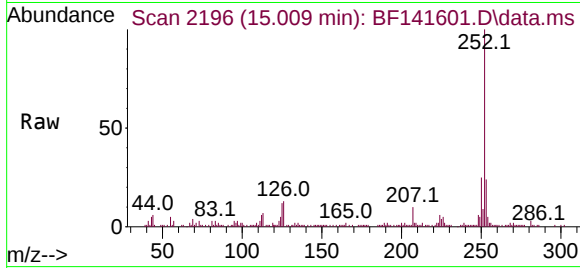
HAR-ROLLOFFS

Tgt Ion:252 Resp: 21170
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.0 27.0
 125 11.7 7.4 11.0

Manual Integrations

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Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025



#90

Benzo(a)pyrene

Concen: 7.092 ng

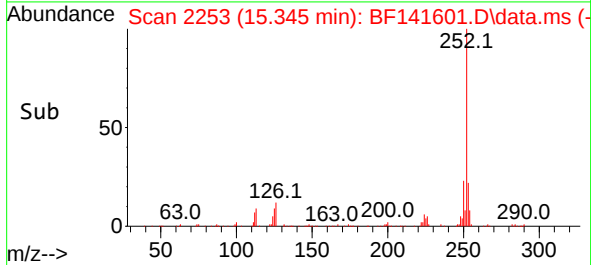
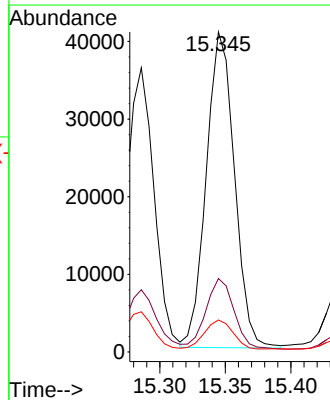
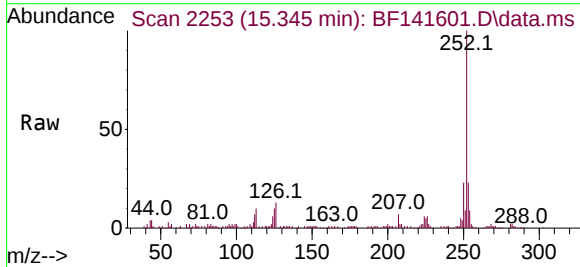
RT: 15.345 min Scan# 2253

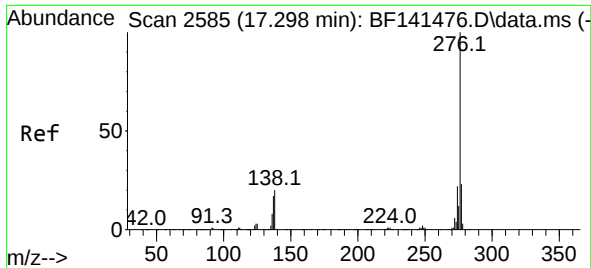
Delta R.T. -0.018 min

Lab File: BF141601.D

Acq: 12 Feb 2025 20:04

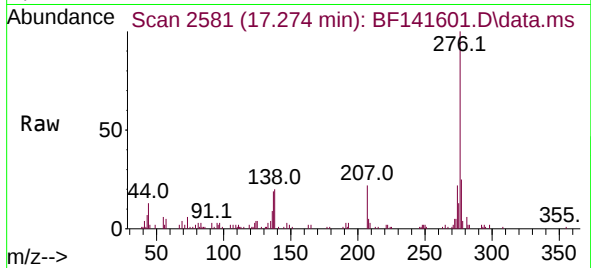
Tgt Ion:252 Resp: 60929
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.1 25.7
 125 10.0 7.4 11.2





#92
Benzo(g,h,i)perylene
Concen: 4.030 ng
RT: 17.274 min Scan# 2585
Delta R.T. -0.041 min
Lab File: BF141601.D
Acq: 12 Feb 2025 20:04

Instrument :
BNA_F
ClientSampleId :
HAR-ROLLOFFS



Tgt Ion: 276 Resp: 3338
Ion Ratio Lower Upper
276 100
277 24.7 18.6 28.0
138 20.2 15.9 23.9

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

