

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142036.D
 Acq On : 21 Mar 2025 18:20
 Operator : RC/JU
 Sample : Q1611-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200030

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025

Quant Time: Mar 21 18:43:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	139368	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	495159	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	213679	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	321895	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	311141	20.000	ng	0.00
86) Perylene-d12	15.509	264	251809	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	343264	41.107	ng	0.00
7) Phenol-d6	6.492	99	401333	37.747	ng	-0.01
23) Nitrobenzene-d5	7.428	82	274385	31.184	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	94046	34.693	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	511004	36.370	ng	-0.01
79) Terphenyl-d14	12.974	244	497389	23.635	ng	-0.01
Target Compounds						
88) Benzo(b)fluoranthene	15.074	252	50257m	2.912	ng	Qvalue
90) Benzo(a)pyrene	15.439	252	29457	2.181	ng	# 76

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

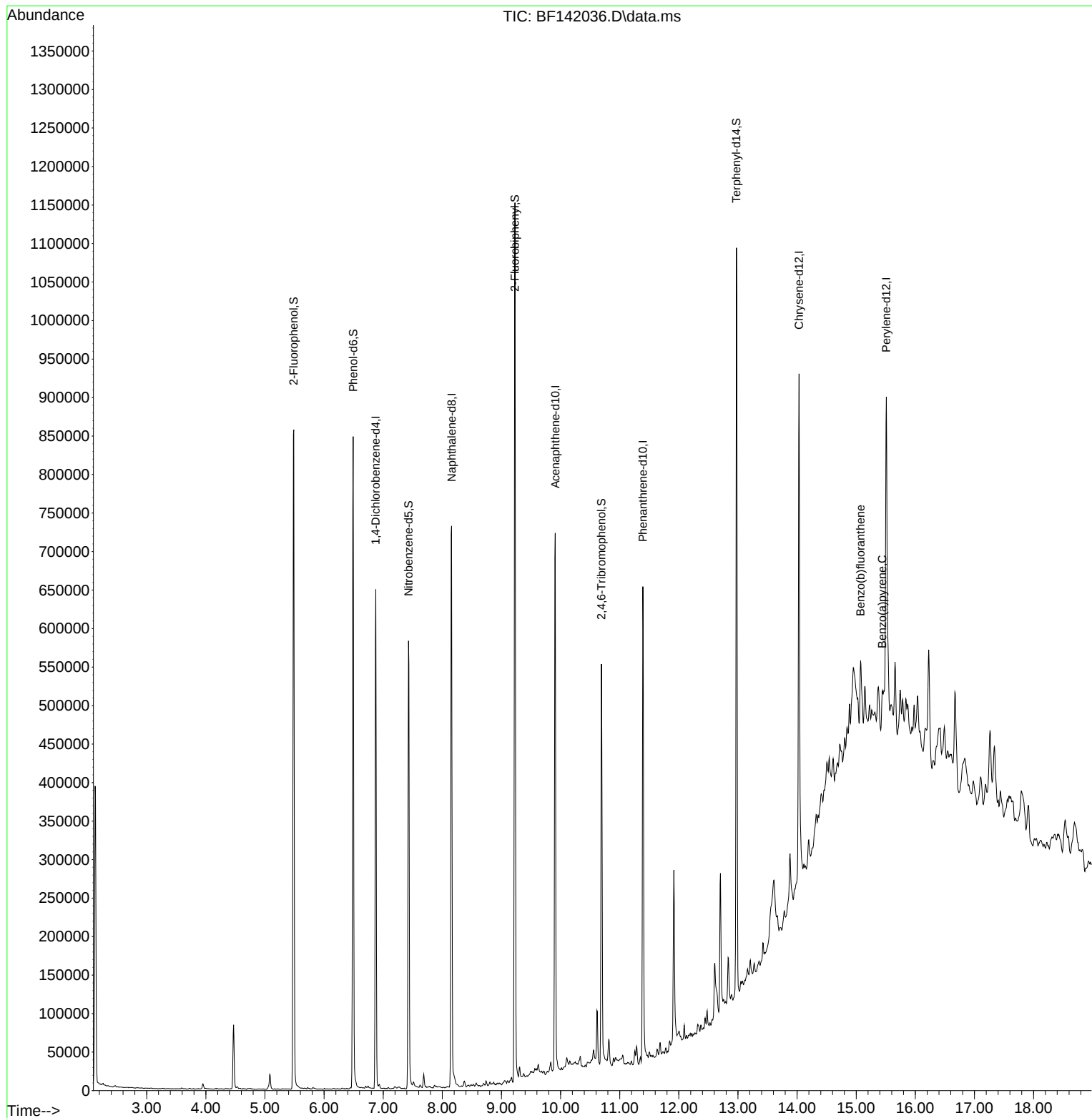
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Data File : BF142036.D
Acq On : 21 Mar 2025 18:20
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

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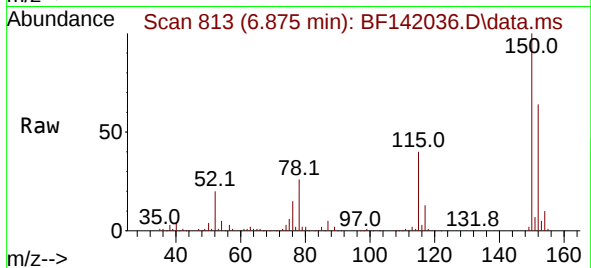
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

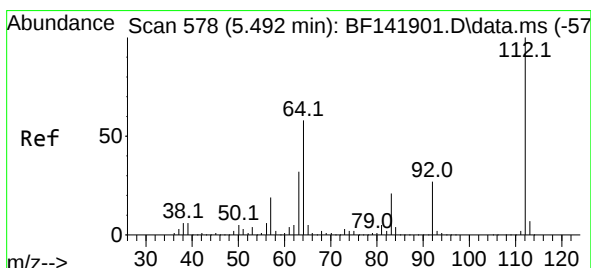
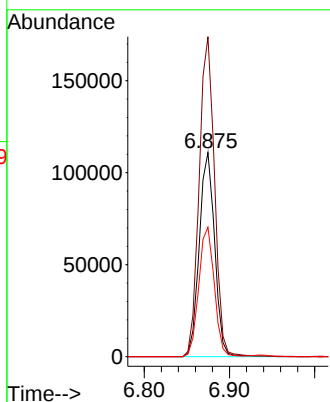
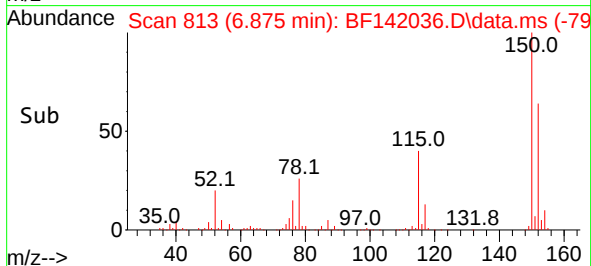
Instrument :
BNA_F
ClientSampleId :
RBR200030



Tgt Ion:152 Resp: 139368
Ion Ratio Lower Upper
152 100
150 156.7 127.4 191.2
115 63.4 51.9 77.9

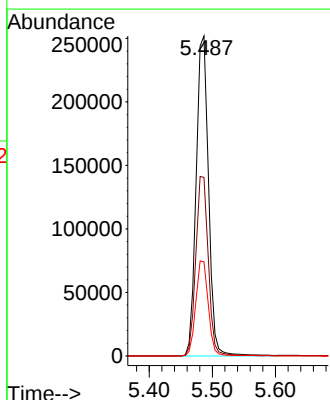
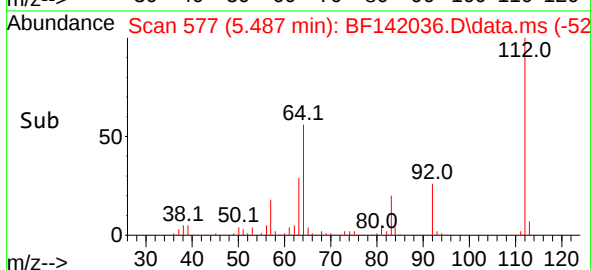
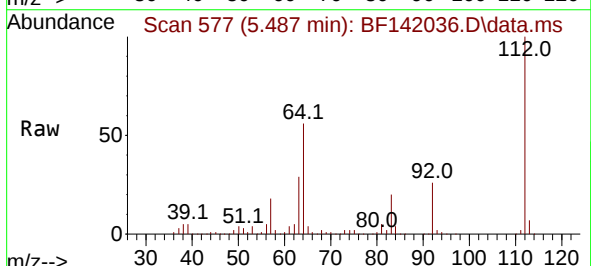
Manual Integrations
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#5
2-Fluorophenol
Concen: 41.107 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

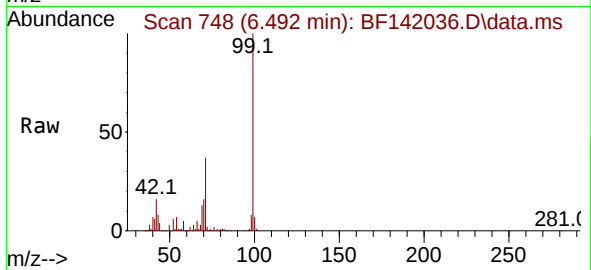
Tgt Ion:112 Resp: 343264
Ion Ratio Lower Upper
112 100
64 55.8 46.5 69.7
63 29.5 25.4 38.2





#7
Phenol-d6
Concen: 37.747 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

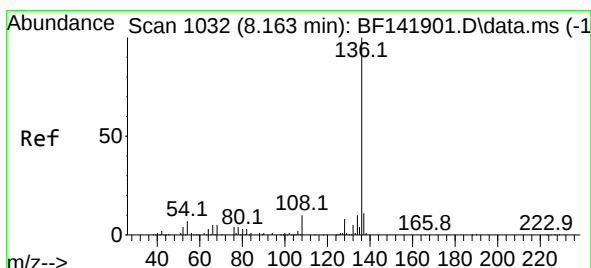
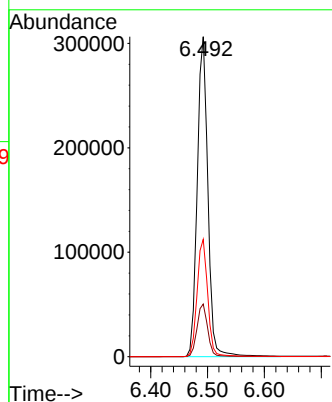
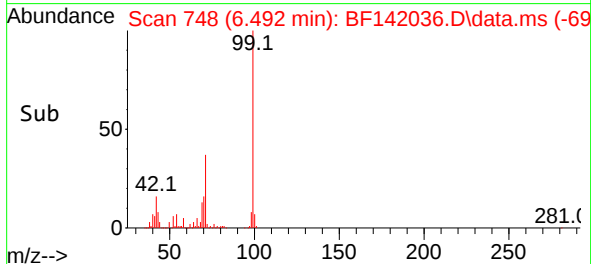
Instrument :
BNA_F
ClientSampleId :
RBR200030



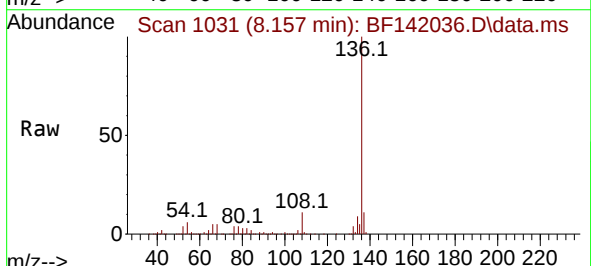
Tgt Ion: 99 Resp: 40133
Ion Ratio Lower Upper
99 100
42 16.4 14.6 21.8
71 36.6 30.8 46.2

Manual Integrations
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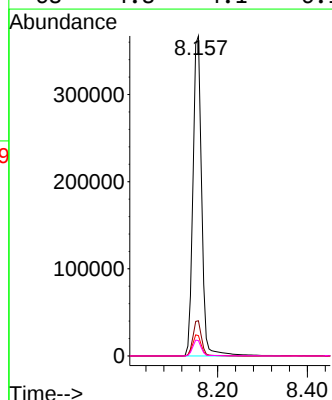
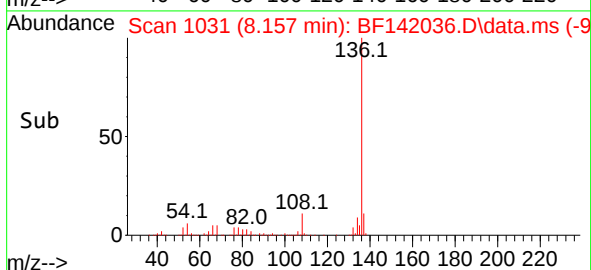
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025

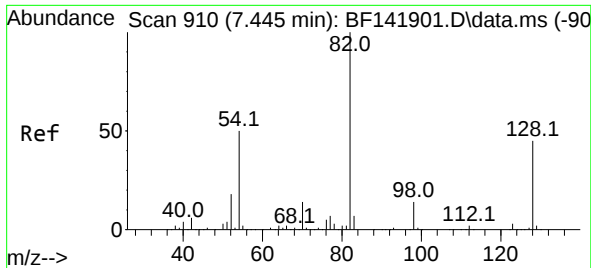


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20



Tgt Ion:136 Resp: 495159
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.4 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 31.184 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

Instrument :

BNA_F

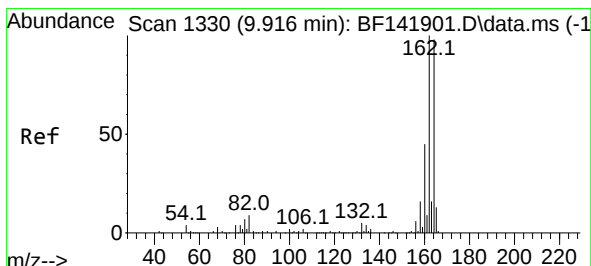
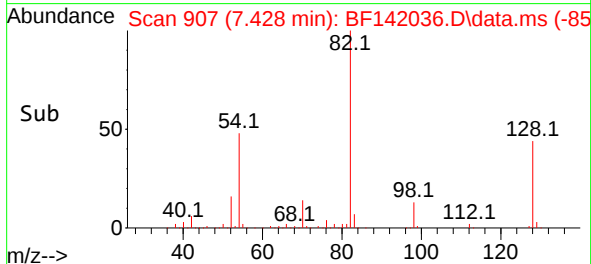
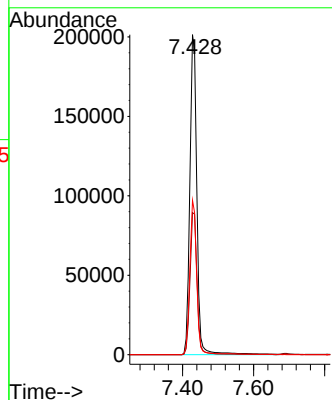
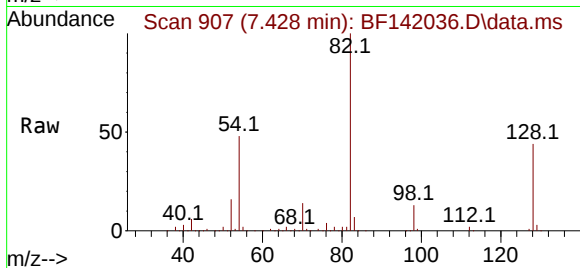
ClientSampleId :

RBR200030

Tgt Ion: 82 Resp: 274385
Ion Ratio Lower Upper
82 100
128 44.4 36.0 54.0
54 48.3 39.6 59.4

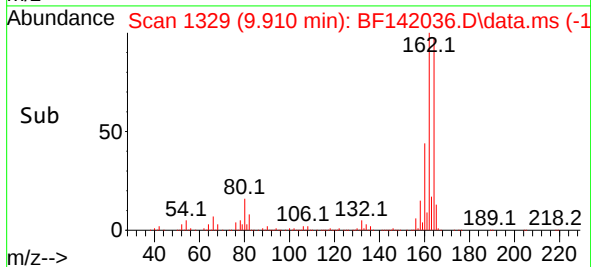
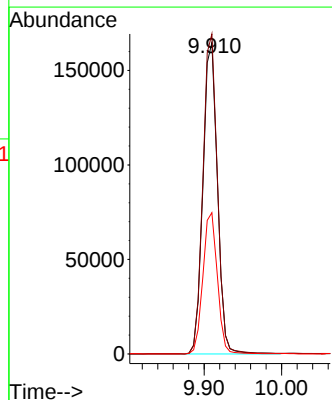
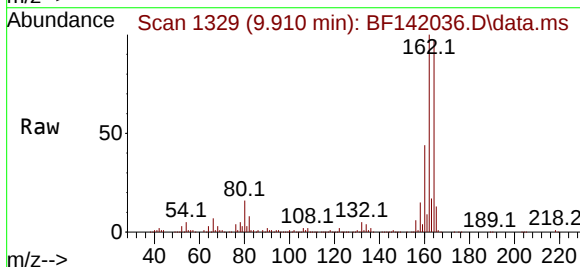
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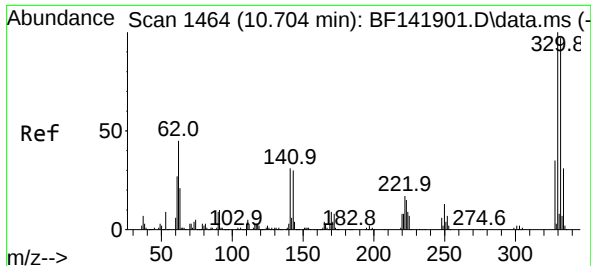
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

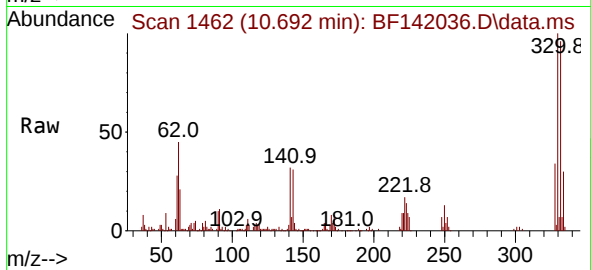
Tgt Ion:164 Resp: 213679
Ion Ratio Lower Upper
164 100
162 102.8 81.8 122.6
160 45.4 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 34.693 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

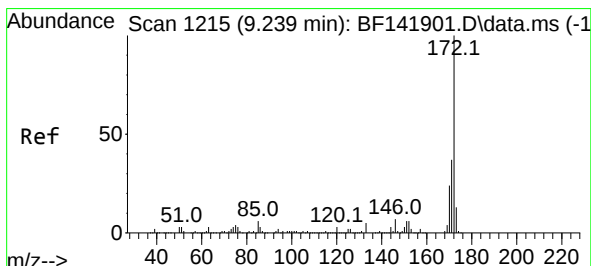
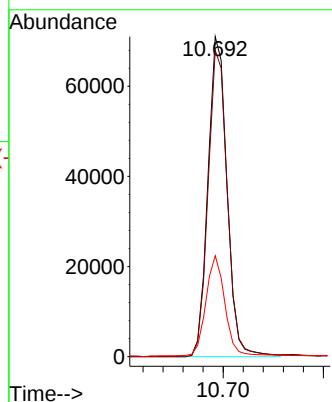
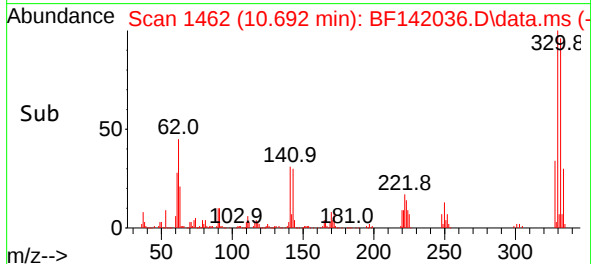
Instrument :
BNA_F
ClientSampleId :
RBR200030



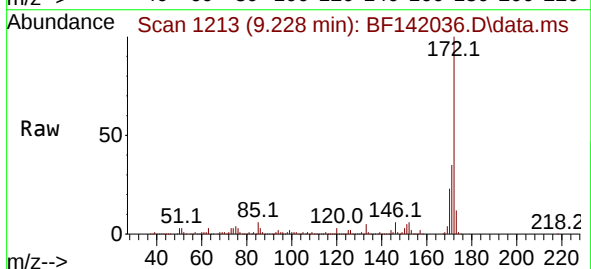
Tgt Ion:330 Resp: 94040
Ion Ratio Lower Upper
330 100
332 97.8 77.6 116.4
141 33.2 24.7 37.1

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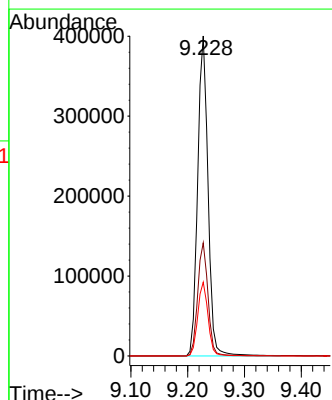
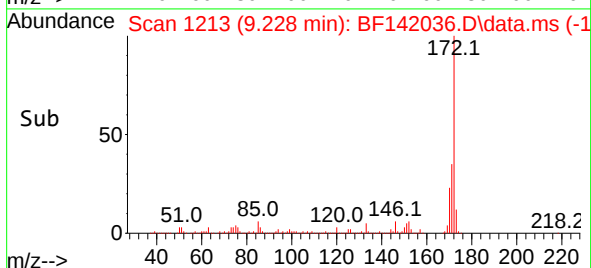
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Supervised By :Jagrut Upadhyay 03/24/2025



#45
2-Fluorobiphenyl
Concen: 36.370 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20



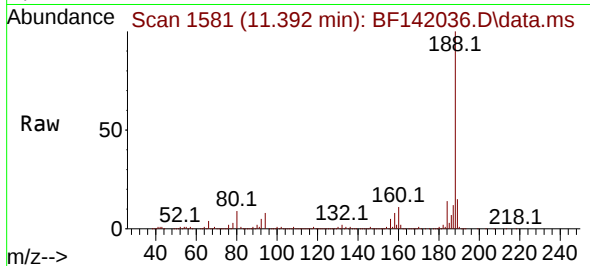
Tgt Ion:172 Resp: 511004
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 23.1 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

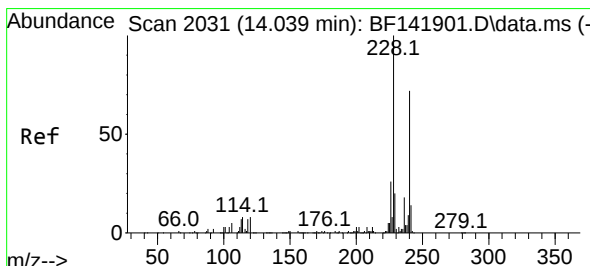
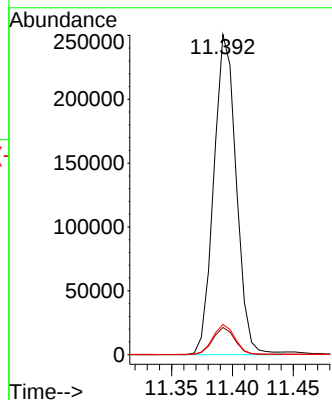
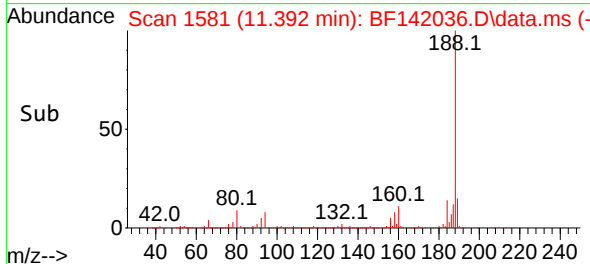
Instrument :
BNA_F
ClientSampleId :
RBR200030



Tgt Ion:188 Resp: 32189
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.5 7.6 11.4

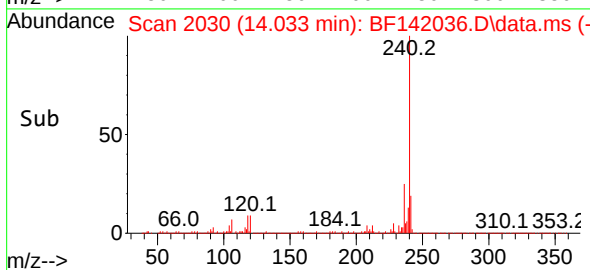
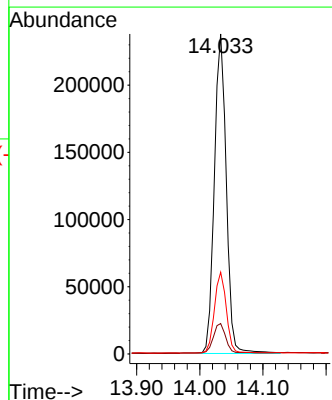
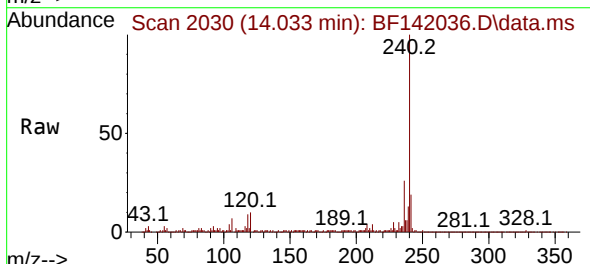
Manual Integrations
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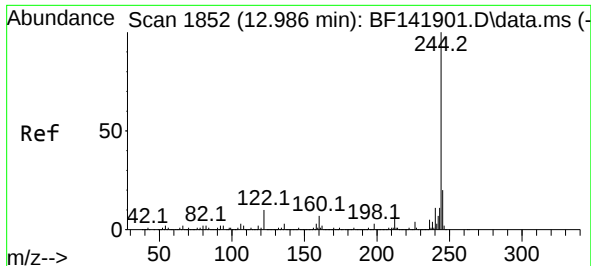
Reviewed By :Anahy Claudio 03/24/2025
Supervised By :Jagrut Upadhyay 03/24/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142036.D
Acq: 21 Mar 2025 18:20

Tgt Ion:240 Resp: 311141
Ion Ratio Lower Upper
240 100
120 9.5 8.4 12.6
236 25.6 20.5 30.7





#79
 Terphenyl-d14
 Concen: 23.635 ng
 RT: 12.974 min Scan# 1852
 Delta R.T. -0.012 min
 Lab File: BF142036.D
 Acq: 21 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

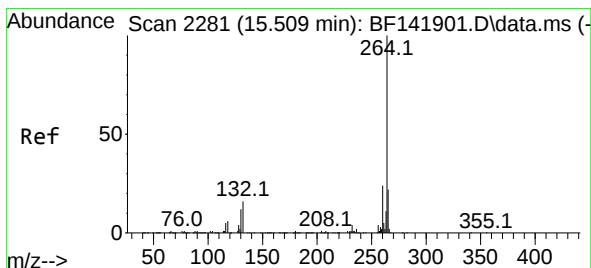
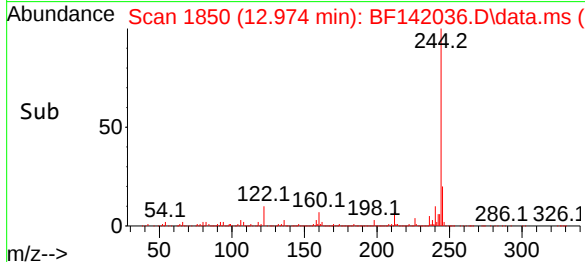
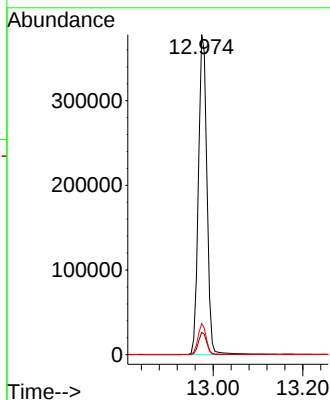
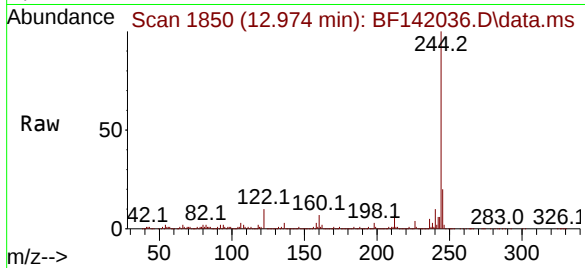
RBR200030

Tgt Ion:244 Resp: 497389
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.7 7.7 11.5

Manual Integrations

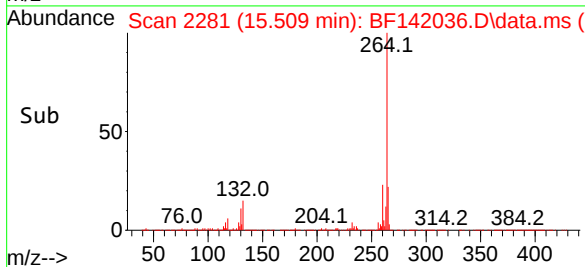
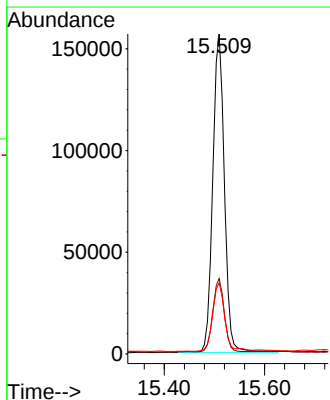
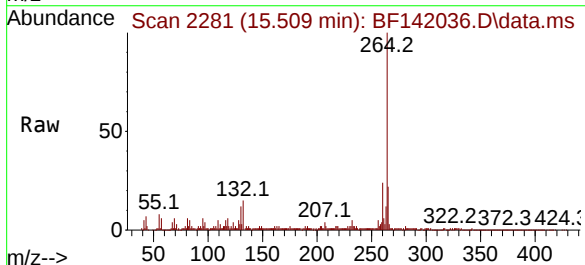
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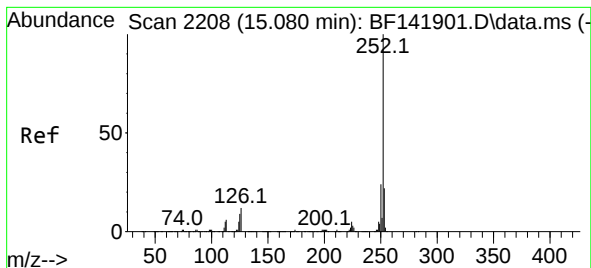
Reviewed By :Anahy Claudio 03/24/2025
 Supervised By :Jagrut Upadhyay 03/24/2025



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142036.D
 Acq: 21 Mar 2025 18:20

Tgt Ion:264 Resp: 251809
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.1 28.7
 265 22.2 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 2.912 ng m

RT: 15.074 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142036.D

Acq: 21 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

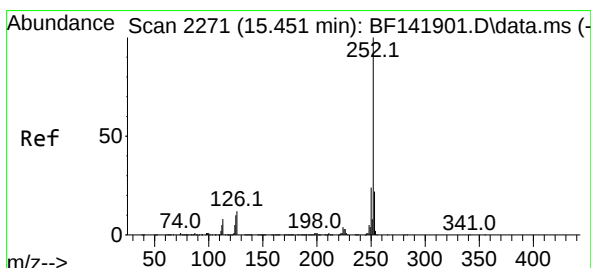
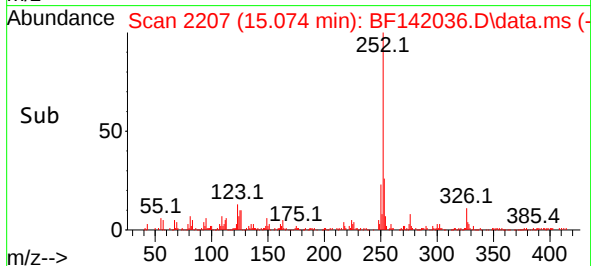
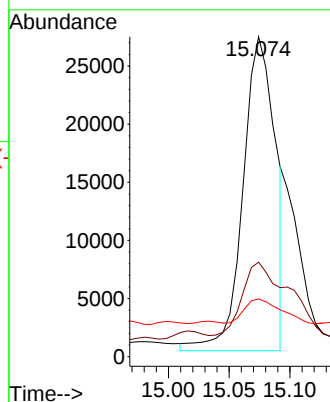
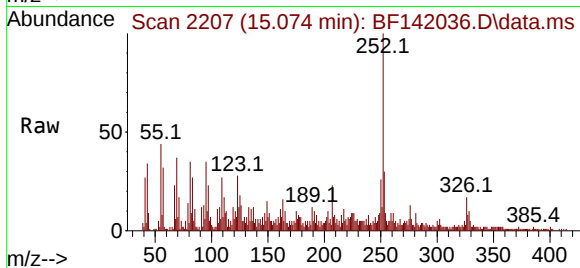
RBR200030

Tgt Ion:252 Resp: 5025
 Ion Ratio Lower Upper
 252 100
 253 29.6 17.5 26.3#
 125 18.1 7.0 10.4#

Manual Integrations

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 Supervised By :Jagrut Upadhyay 03/24/2025



#90

Benzo(a)pyrene

Concen: 2.181 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.012 min

Lab File: BF142036.D

Acq: 21 Mar 2025 18:20

Tgt Ion:252 Resp: 29457
 Ion Ratio Lower Upper
 252 100
 253 29.5 17.4 26.0#
 125 25.1 7.8 11.8#

