

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142430.D
 Acq On : 16 May 2025 16:44
 Operator : RC/JU
 Sample : Q2038-01DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991DL

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

Quant Time: May 16 17:10:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	133141	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	502392	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	264481	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	419323	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	245727	20.000	ng	0.00
86) Perylene-d12	15.557	264	277550	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	127729	16.377	ng	0.00
7) Phenol-d6	6.510	99	157867	16.457	ng	-0.01
23) Nitrobenzene-d5	7.457	82	88818	10.782	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	37310	14.611	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	206756	11.147	ng	0.00
79) Terphenyl-d14	13.004	244	138887	8.366	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.892	142	35532	2.348	ng	96
52) Acenaphthene	9.969	154	221495	14.601	ng	98
55) Dibenzofuran	10.139	168	186028	8.310	ng	99
58) Fluorene	10.486	166	206836	12.106	ng	99
71) Phenanthrene	11.451	178	786848	35.799	ng	99
72) Anthracene	11.498	178	231360	10.244	ng	99
75) Fluoranthene	12.639	202	423974	19.296	ng	98
78) Pyrene	12.863	202	280941	12.845	ng	98
81) Benzo(a)anthracene	14.051	228	61150	3.843	ng	98
83) Chrysene	14.086	228	54959	3.710	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	3955	4.671	ng #	98
88) Benzo(b)fluoranthene	15.115	252	57860m	3.442	ng	

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

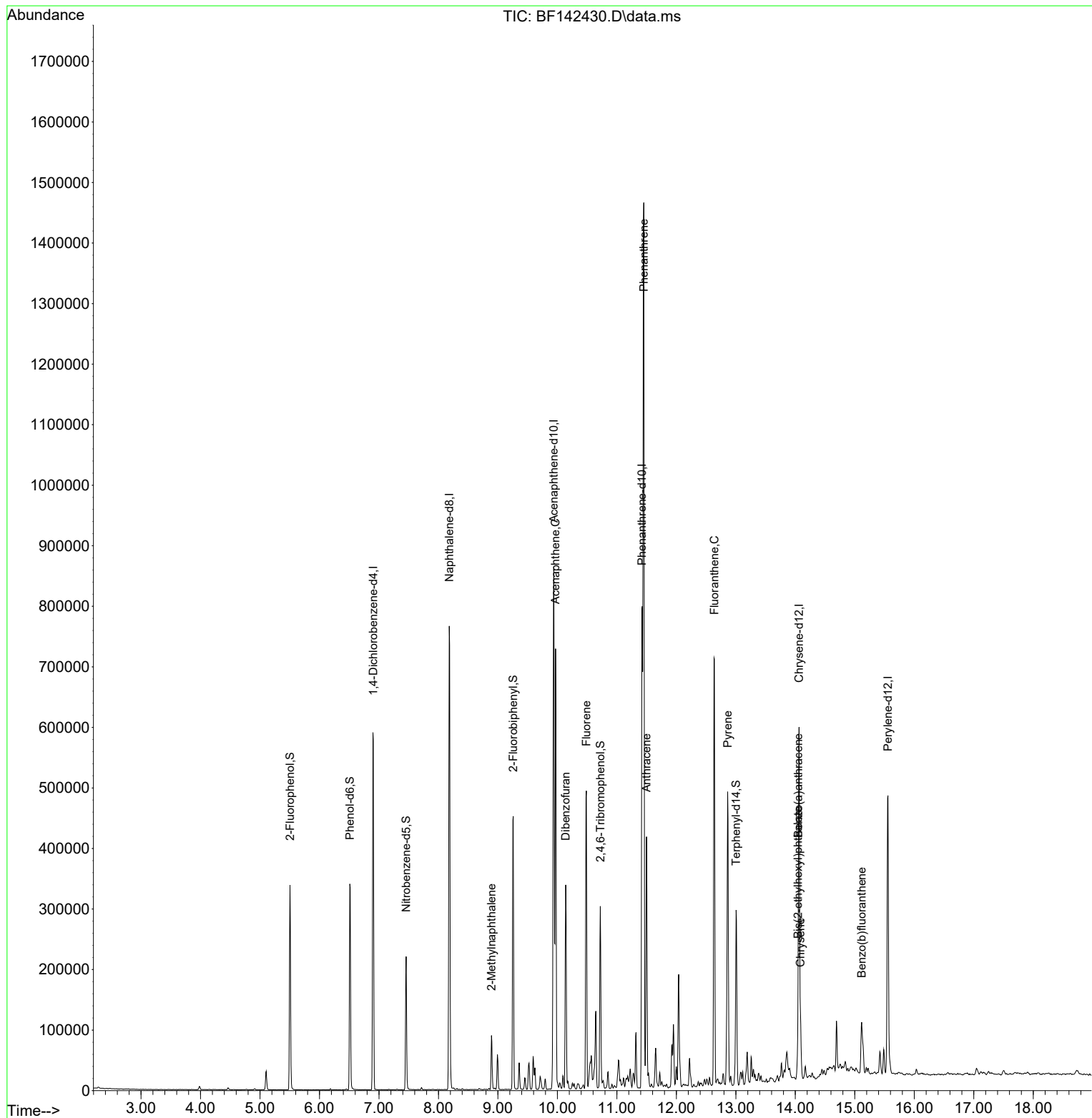
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142430.D
Acq On : 16 May 2025 16:44
Operator : RC/JU
Sample : Q2038-01DL 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

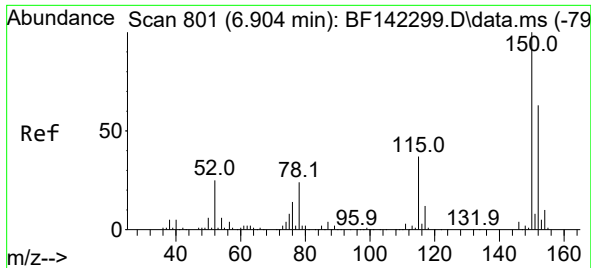
Instrument :
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72-11991DL

Quant Time: May 16 17:10:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
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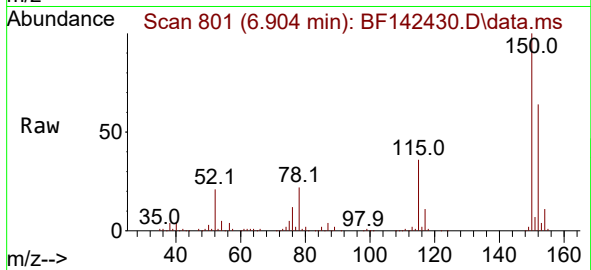
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44

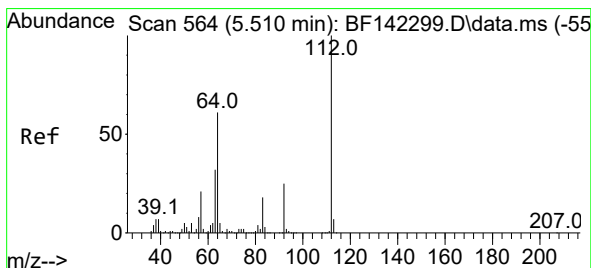
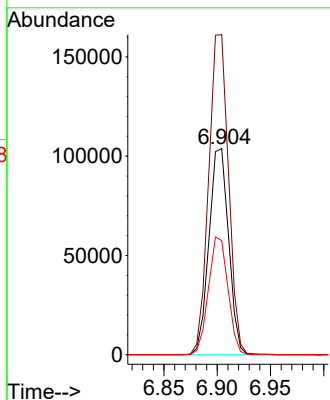
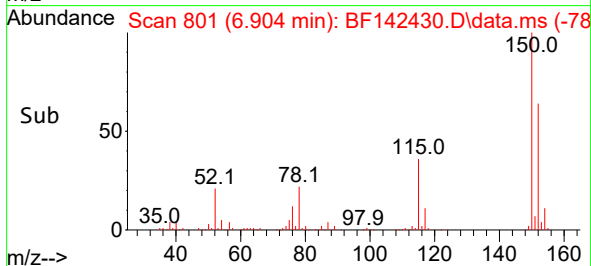
Instrument :
BNA_F
ClientSampleId :
72-11991DL



Tgt Ion:152 Resp: 13314
Ion Ratio Lower Upper
152 100
150 155.3 126.6 190.0
115 55.3 47.3 70.9

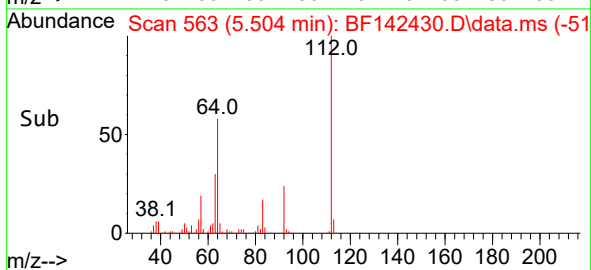
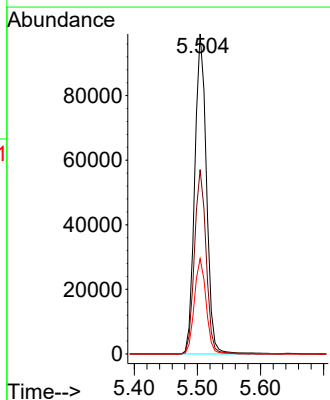
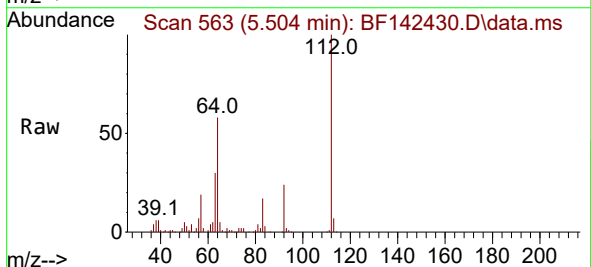
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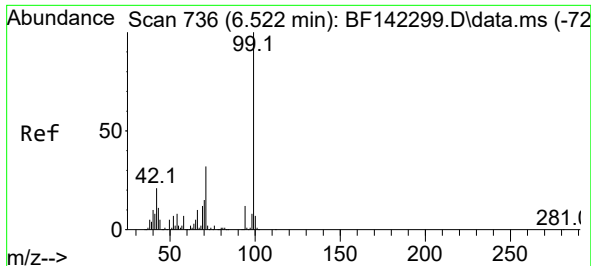
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#5
2-Fluorophenol
Concen: 16.377 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44

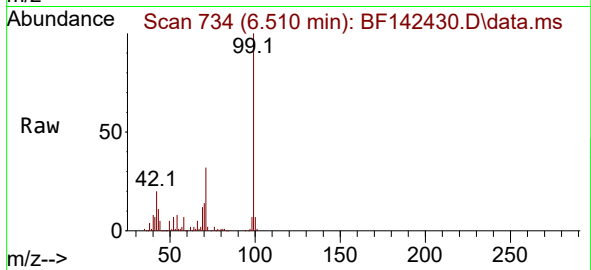
Tgt Ion:112 Resp: 127729
Ion Ratio Lower Upper
112 100
64 57.6 48.9 73.3
63 29.8 25.6 38.4





#7
Phenol-d6
Concen: 16.457 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44

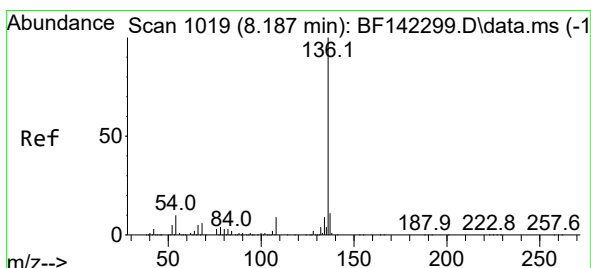
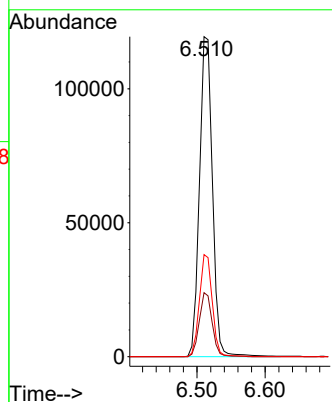
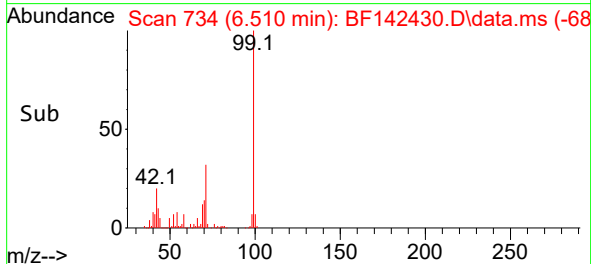
Instrument :
BNA_F
ClientSampleId :
72-11991DL



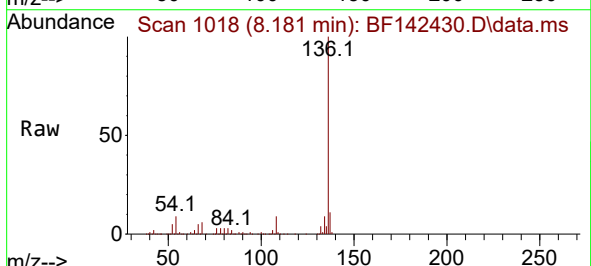
Tgt Ion: 99 Resp: 15786
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.4
71 31.9 25.8 38.8

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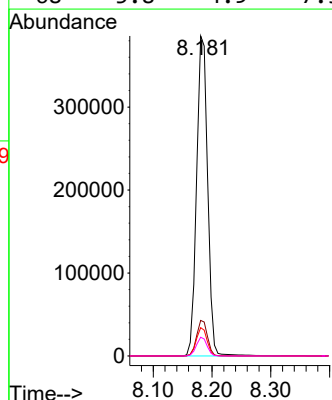
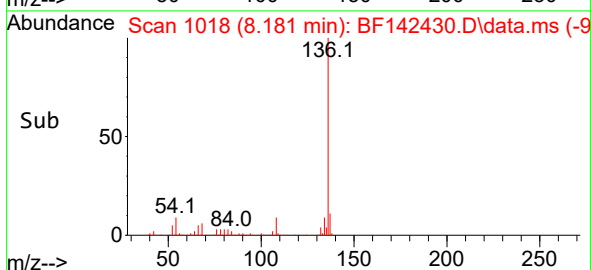
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

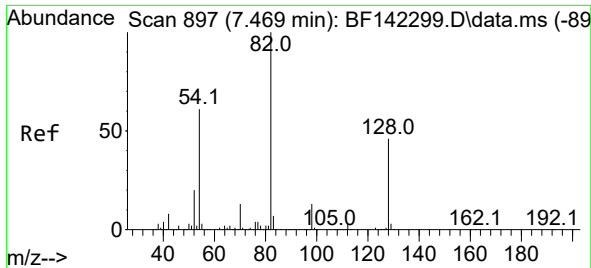


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44



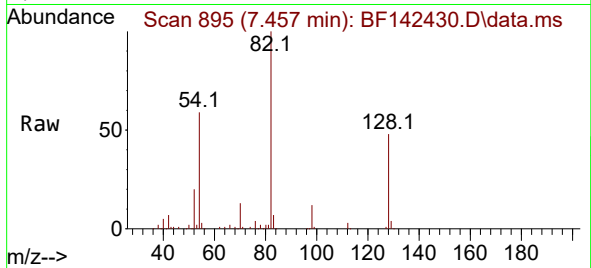
Tgt Ion:136 Resp: 502392
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.9 7.7 11.5
68 5.8 4.9 7.3





#23
Nitrobenzene-d5
Concen: 10.782 ng
RT: 7.457 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44

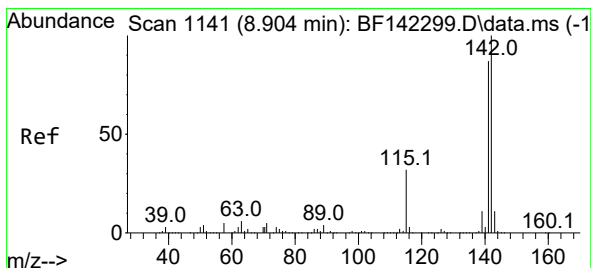
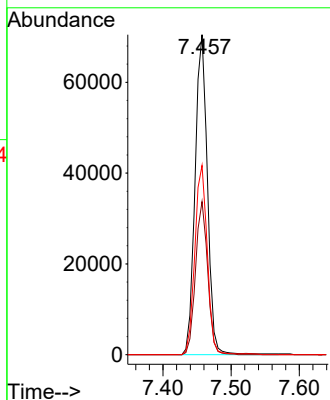
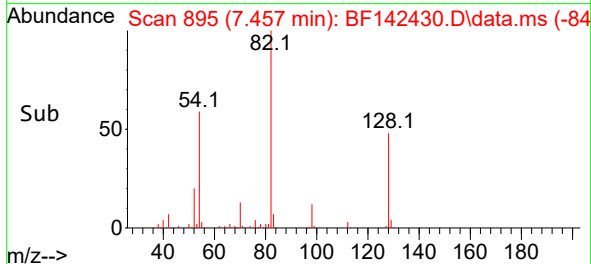
Instrument :
BNA_F
ClientSampleId :
72-11991DL



Tgt Ion: 82 Resp: 88818
Ion Ratio Lower Upper
82 100
128 47.9 37.0 55.6
54 59.2 48.6 73.0

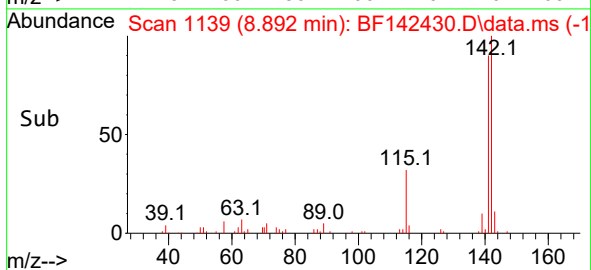
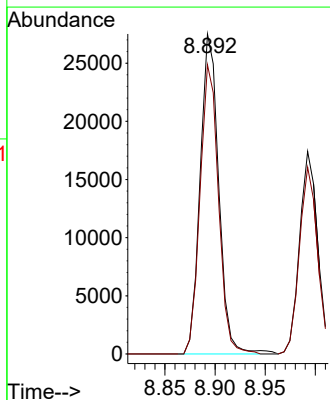
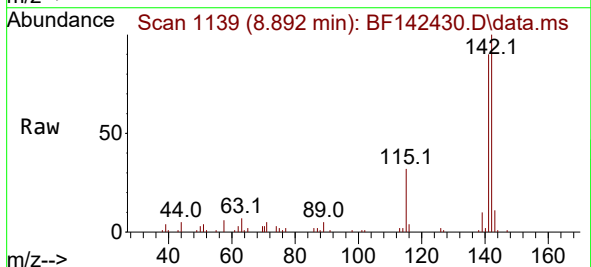
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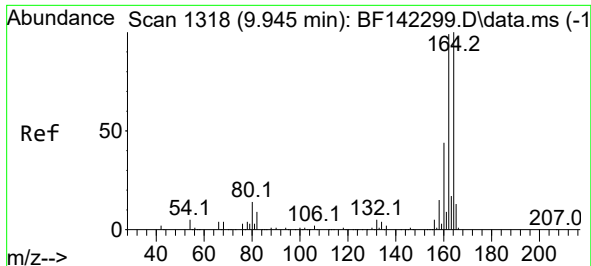
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#37
2-Methylnaphthalene
Concen: 2.348 ng
RT: 8.892 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44

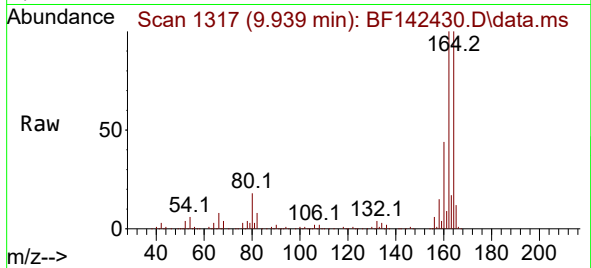
Tgt Ion:142 Resp: 35532
Ion Ratio Lower Upper
142 100
141 90.4 69.4 104.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44

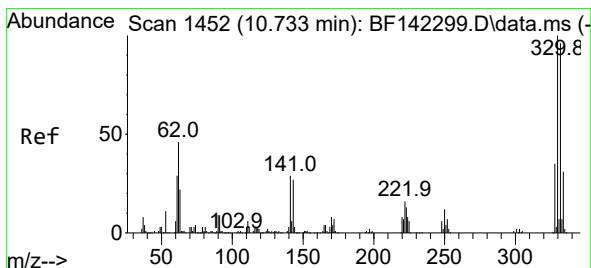
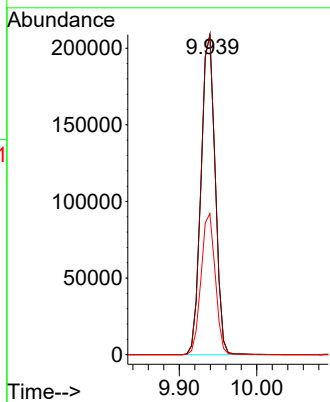
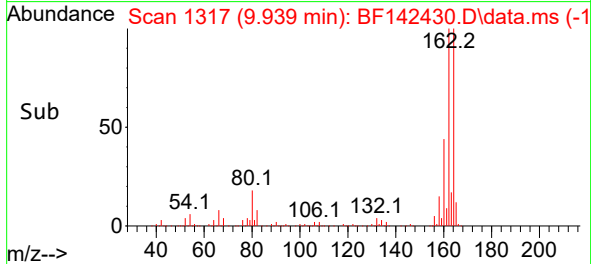
Instrument :
BNA_F
ClientSampleId :
72-11991DL



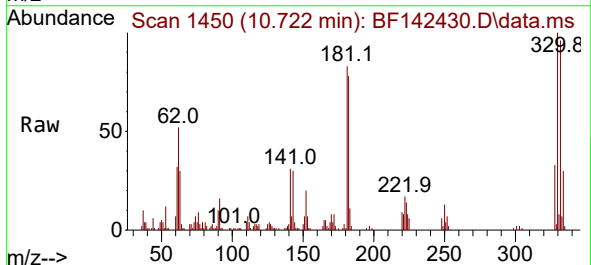
Tgt Ion:164 Resp: 26448
Ion Ratio Lower Upper
164 100
162 99.9 79.2 118.8
160 44.1 35.3 52.9

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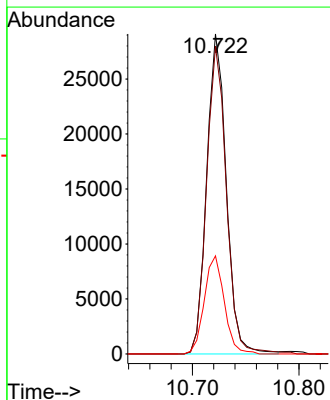
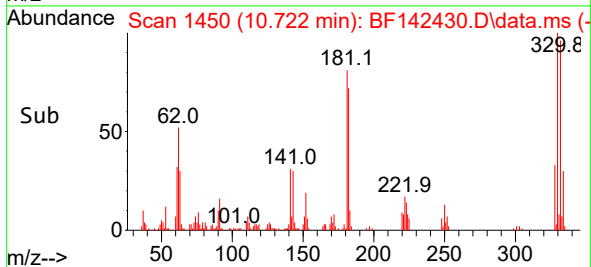
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

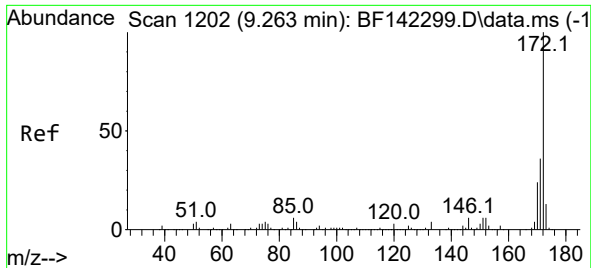


#42
2,4,6-Tribromophenol
Concen: 14.611 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44



Tgt Ion:330 Resp: 37310
Ion Ratio Lower Upper
330 100
332 97.0 76.8 115.2
141 31.2 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 11.147 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142430.D

Acq: 16 May 2025 16:44

Instrument :

BNA_F

ClientSampleId :

72-11991DL

Tgt Ion:172 Resp: 206750

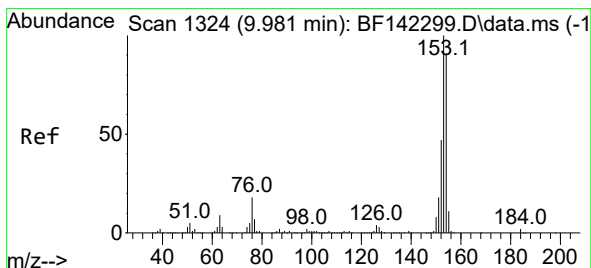
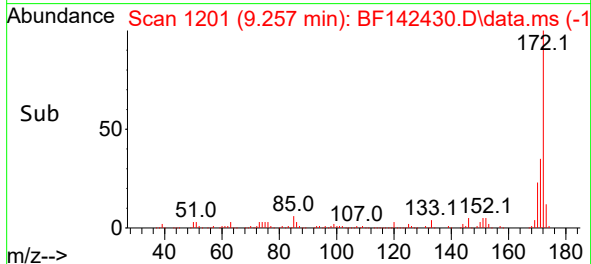
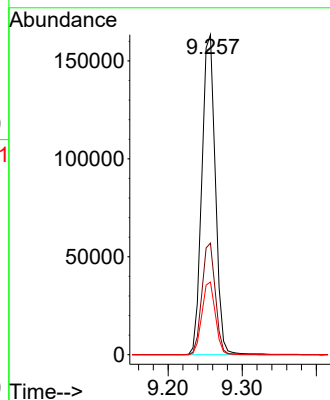
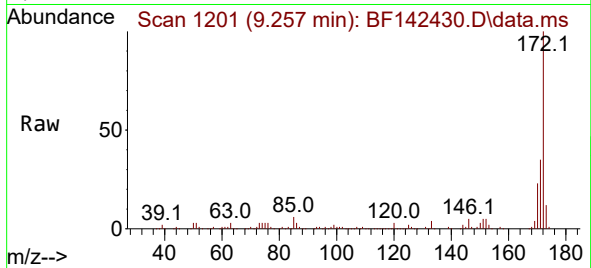
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	22.7	19.0	28.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/19/2025



#52

Acenaphthene

Concen: 14.601 ng

RT: 9.969 min Scan# 1322

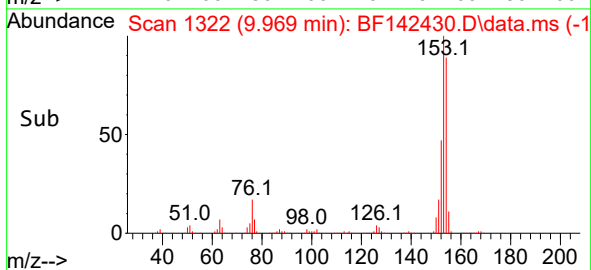
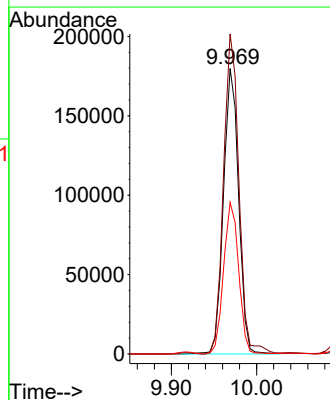
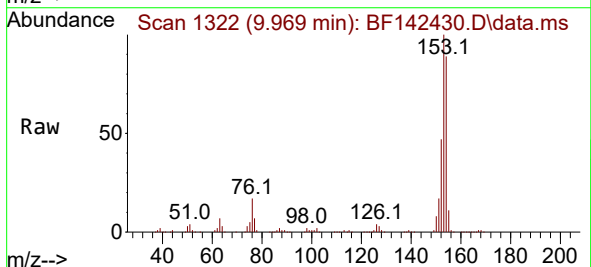
Delta R.T. -0.012 min

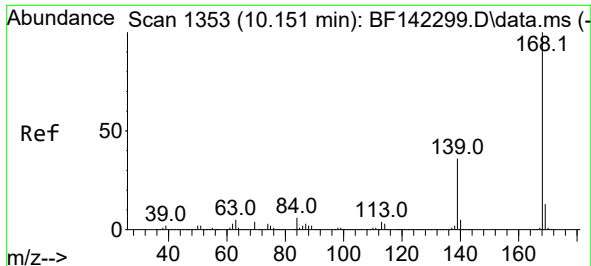
Lab File: BF142430.D

Acq: 16 May 2025 16:44

Tgt Ion:154 Resp: 221495

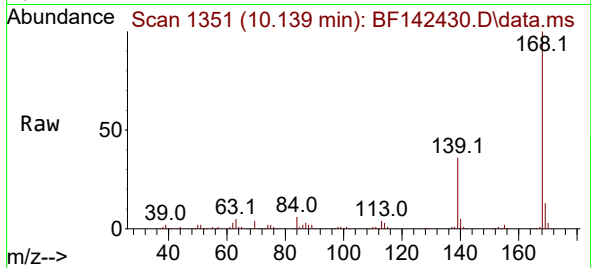
Ion	Ratio	Lower	Upper
154	100		
153	112.1	88.0	132.0
152	53.1	41.6	62.4





#55
Dibenzenofuran
Concen: 8.310 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44

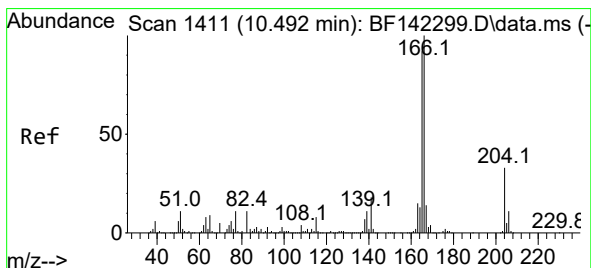
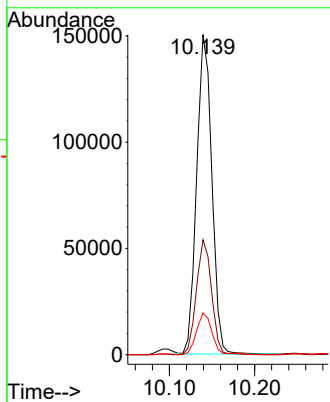
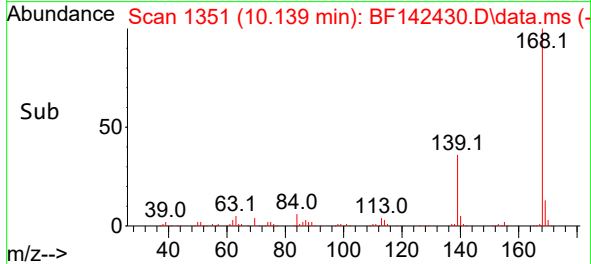
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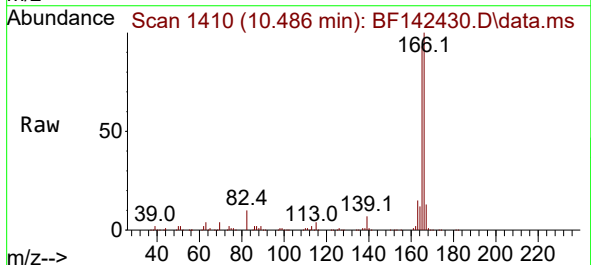
Tgt Ion:168 Resp: 186028
Ion Ratio Lower Upper
168 100
139 35.9 29.0 43.4
169 13.1 10.7 16.1

Manual Integrations
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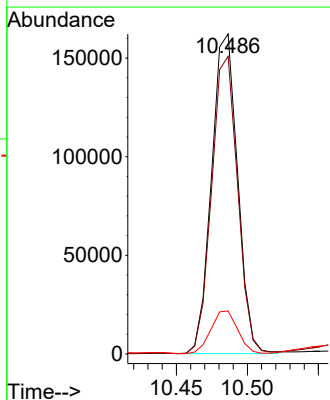
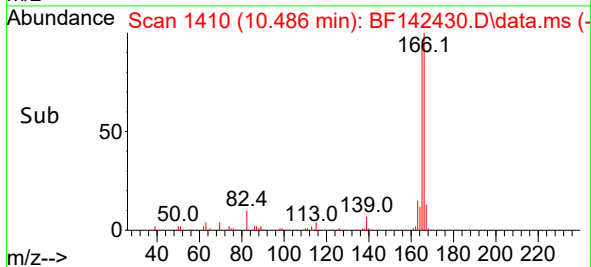
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

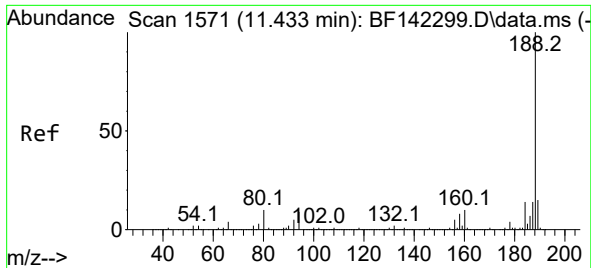


#58
Fluorene
Concen: 12.106 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44



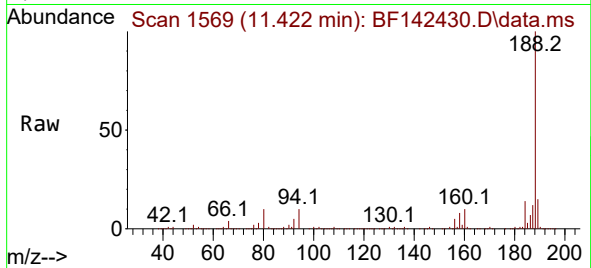
Tgt Ion:166 Resp: 206836
Ion Ratio Lower Upper
166 100
165 93.0 74.0 111.0
167 13.4 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44

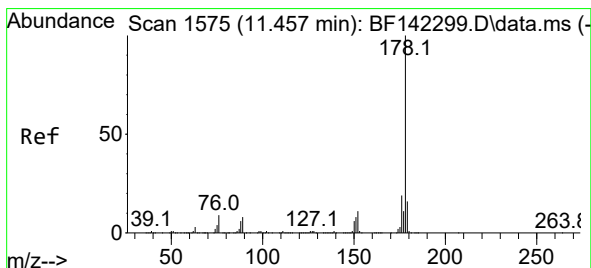
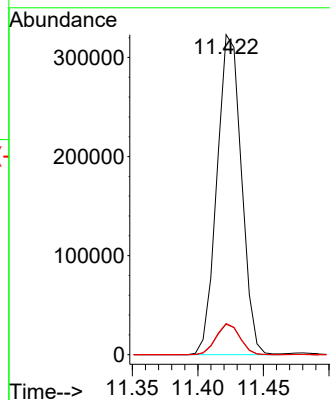
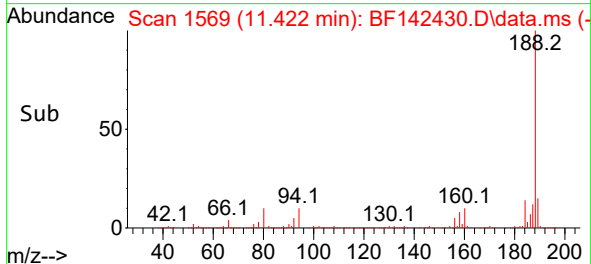
Instrument :
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72-11991DL



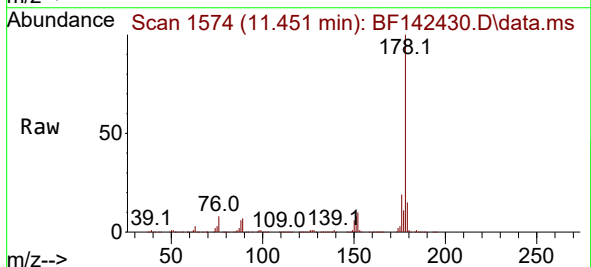
Tgt Ion:188 Resp: 41932
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 9.8 7.9 11.9

Manual Integrations
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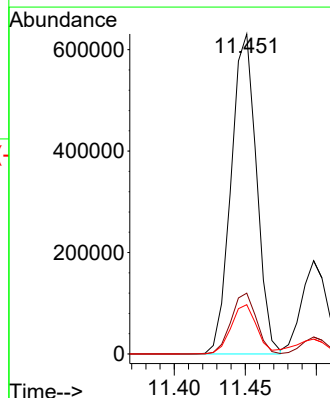
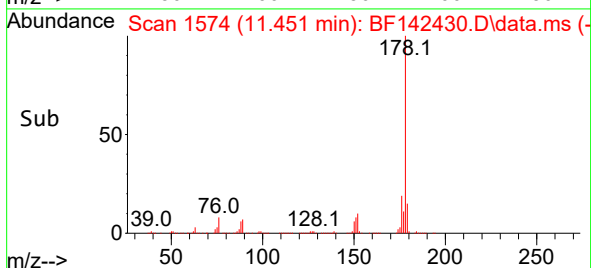
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

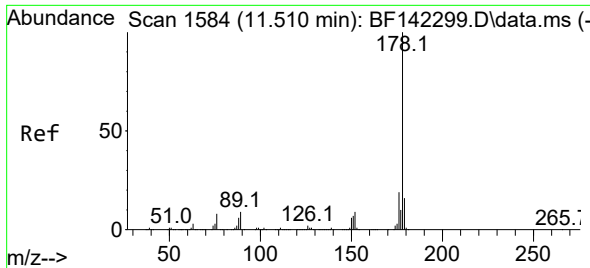


#71
Phenanthrene
Concen: 35.799 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142430.D
Acq: 16 May 2025 16:44



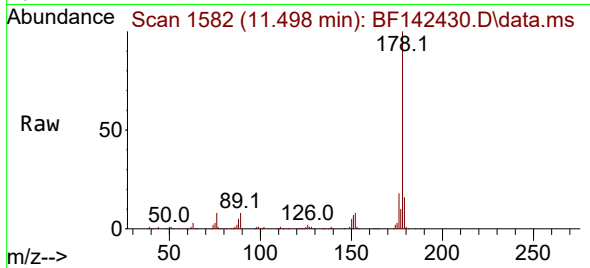
Tgt Ion:178 Resp: 786848
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.6 18.8





#72
 Anthracene
 Concen: 10.244 ng
 RT: 11.498 min Scan# 11498
 Delta R.T. -0.012 min
 Lab File: BF142430.D
 Acq: 16 May 2025 16:44

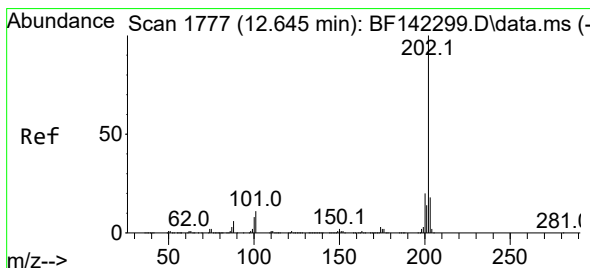
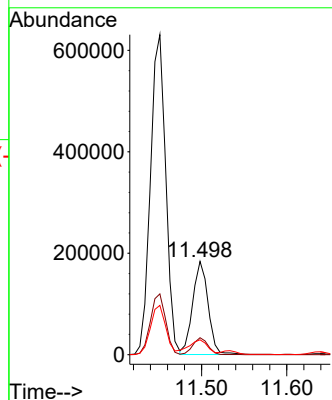
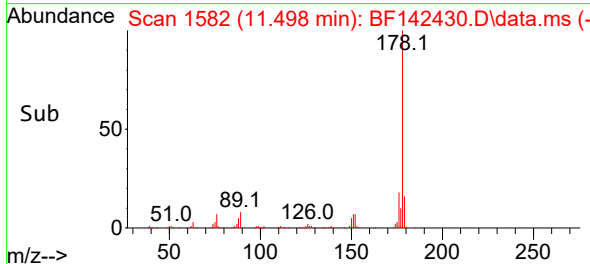
Instrument :
 BNA_F
 ClientSampleId :
 72-11991DL



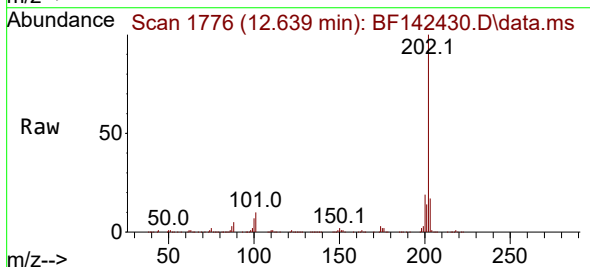
Tgt Ion:178 Resp: 231360
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.3 22.9
 179 16.0 12.6 18.8

Manual Integrations
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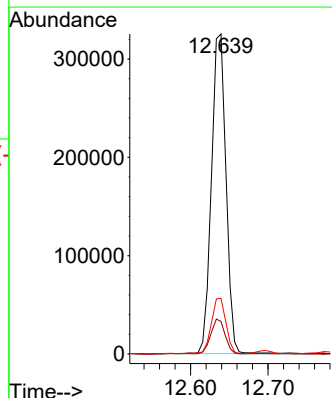
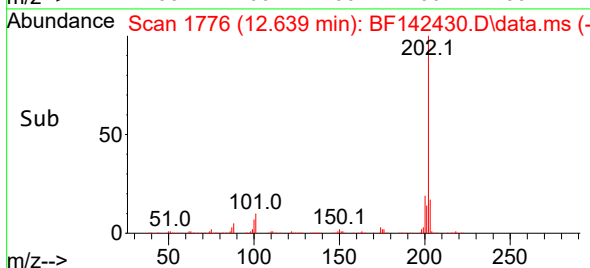
Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

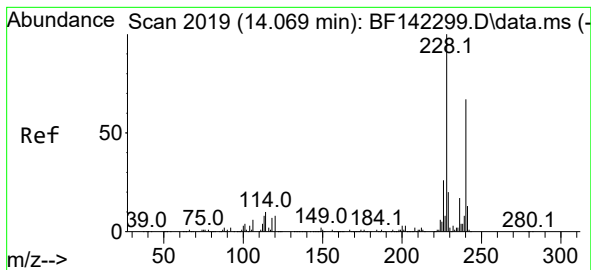


#75
 Fluoranthene
 Concen: 19.296 ng
 RT: 12.639 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF142430.D
 Acq: 16 May 2025 16:44



Tgt Ion:202 Resp: 423974
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.4
 203 17.4 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF142430.D

Acq: 16 May 2025 16:44

Instrument :

BNA_F

ClientSampleId :

72-11991DL

Tgt Ion:240 Resp: 24572

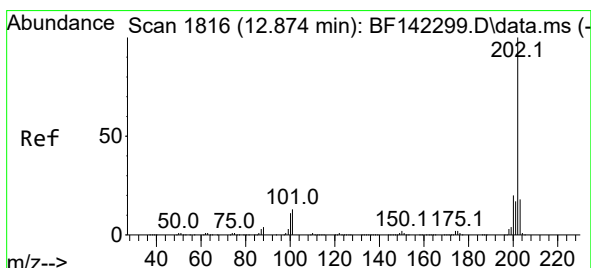
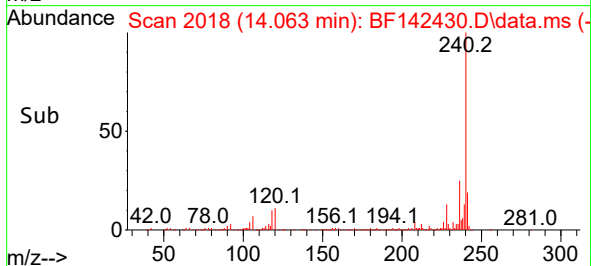
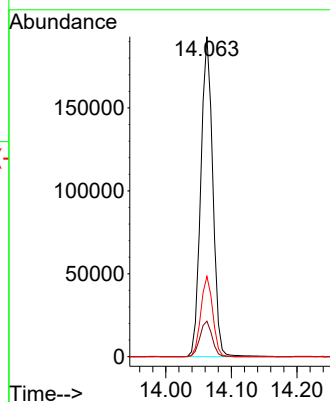
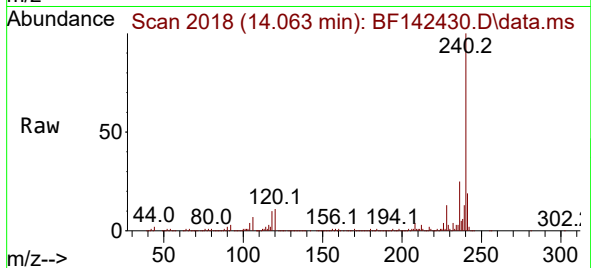
Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.7	14.5
236	25.1	20.0	30.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#78

Pyrene

Concen: 12.845 ng

RT: 12.863 min Scan# 1814

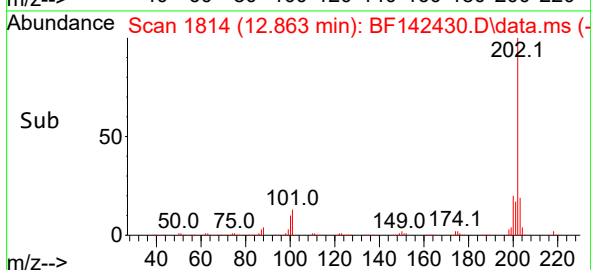
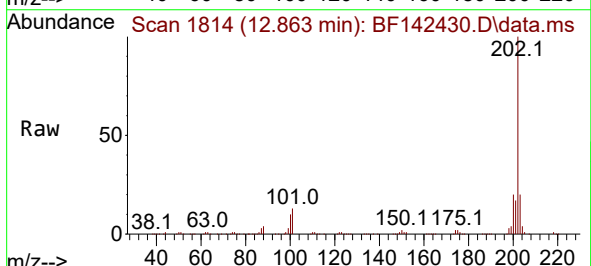
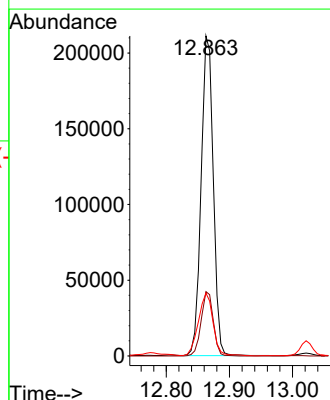
Delta R.T. -0.012 min

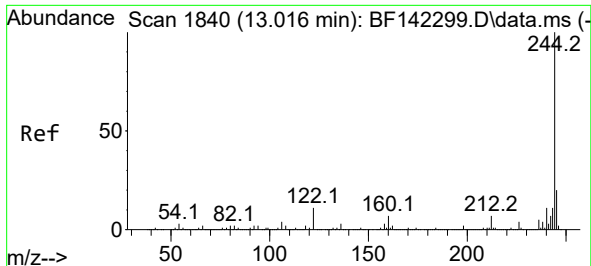
Lab File: BF142430.D

Acq: 16 May 2025 16:44

Tgt Ion:202 Resp: 280941

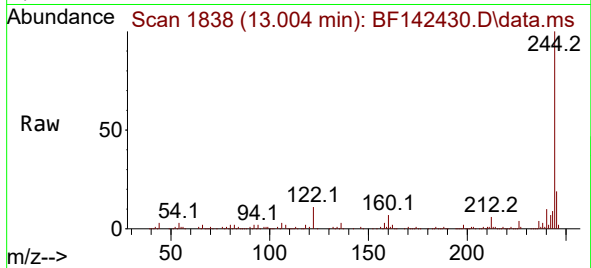
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.4
203	19.7	14.3	21.5





#79
 Terphenyl-d14
 Concen: 8.366 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142430.D
 Acq: 16 May 2025 16:44

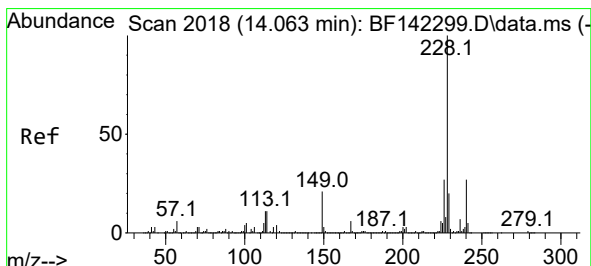
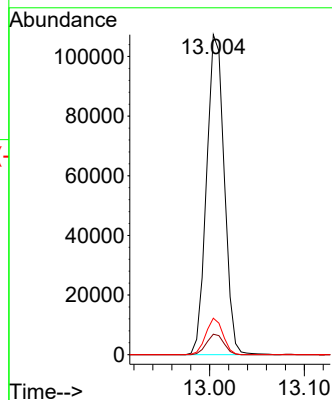
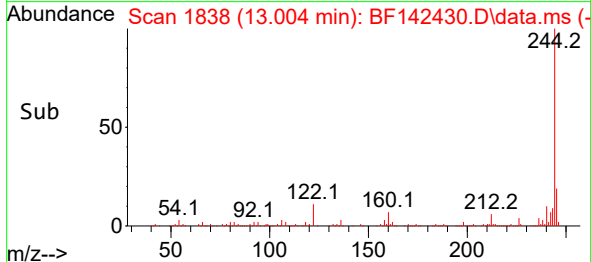
Instrument :
 BNA_F
 ClientSampleId :
 72-11991DL



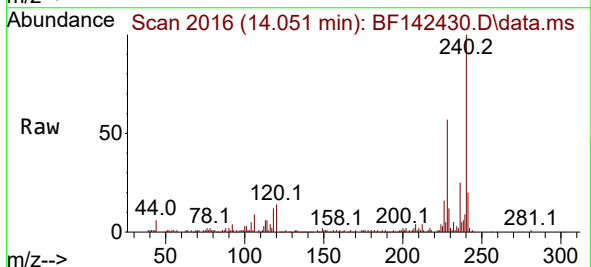
Tgt Ion:244 Resp: 13888
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 11.4 9.0 13.4

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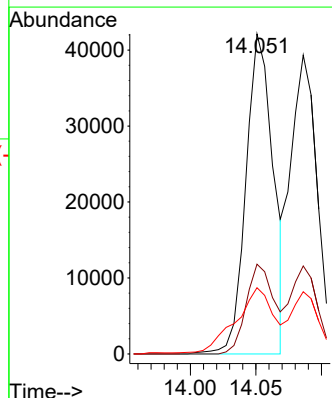
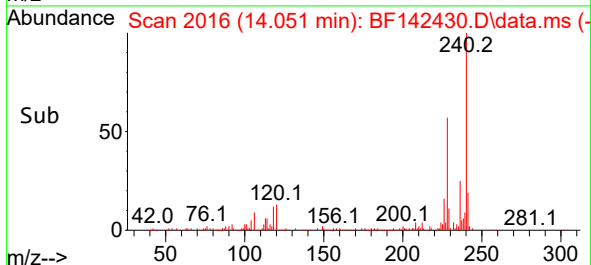
Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

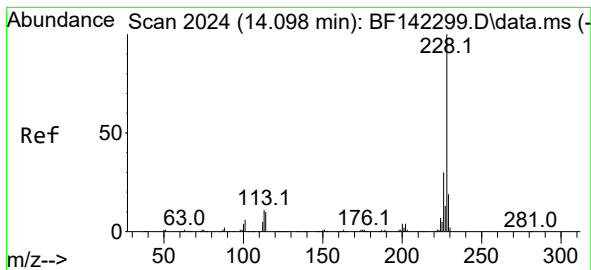


#81
 Benzo(a)anthracene
 Concen: 3.843 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF142430.D
 Acq: 16 May 2025 16:44



Tgt Ion:228 Resp: 61150
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.5 32.3
 229 20.7 15.9 23.9





#83

Chrysene

Concen: 3.710 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142430.D

Acq: 16 May 2025 16:44

Instrument :

BNA_F

ClientSampleId :

72-11991DL

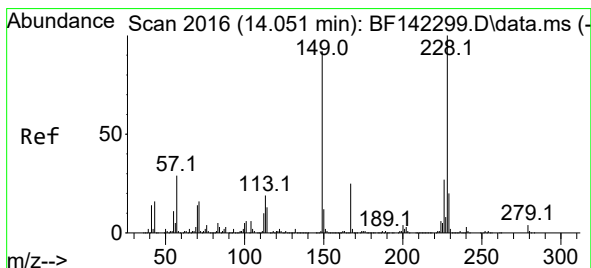
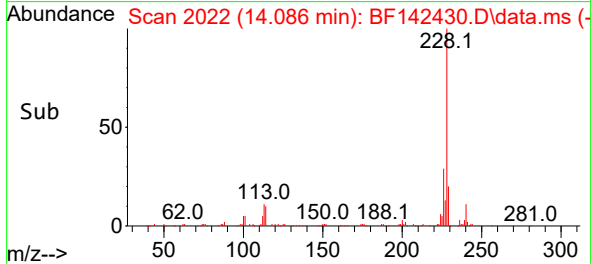
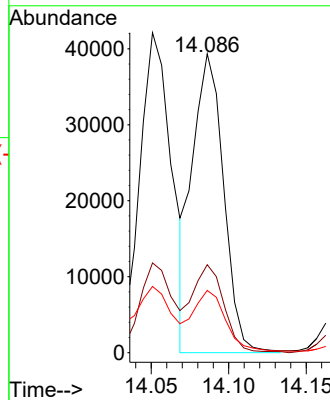
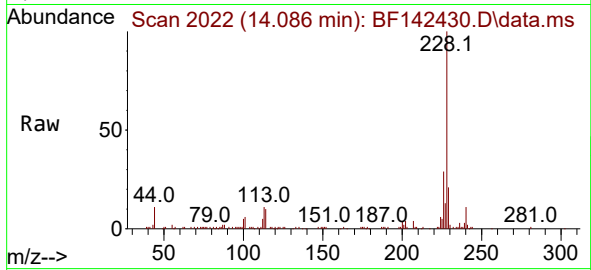
Tgt Ion:228	Resp: 5495
Ion Ratio	Lower Upper
228 100	
226 29.4	23.9 35.9
229 20.8	15.4 23.2

Manual Integrations

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Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.671 ng

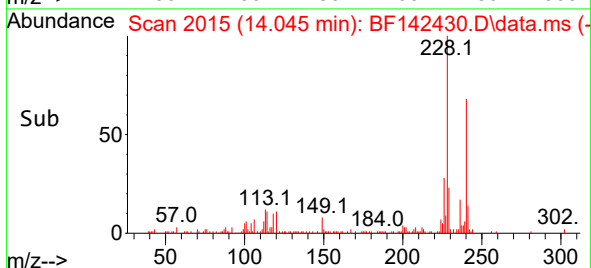
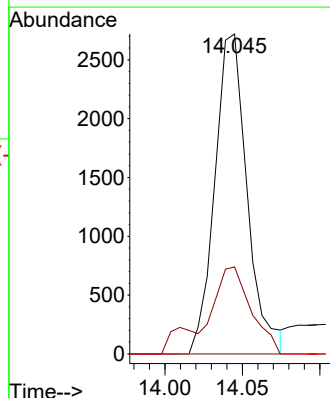
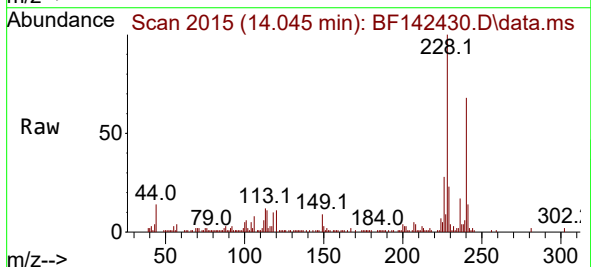
RT: 14.045 min Scan# 2015

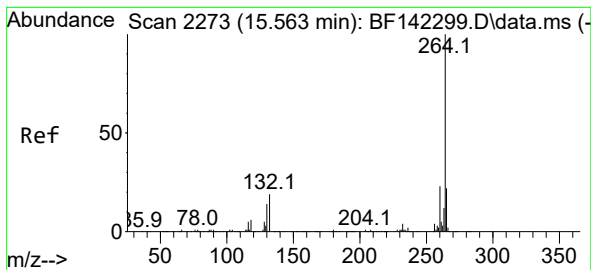
Delta R.T. -0.006 min

Lab File: BF142430.D

Acq: 16 May 2025 16:44

Tgt Ion:149	Resp: 3955
Ion Ratio	Lower Upper
149 100	
167 27.2	22.0 33.0
279 0.0	3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142430.D

Acq: 16 May 2025 16:44

Instrument :

BNA_F

ClientSampleId :

72-11991DL

Tgt Ion:264 Resp: 277550

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

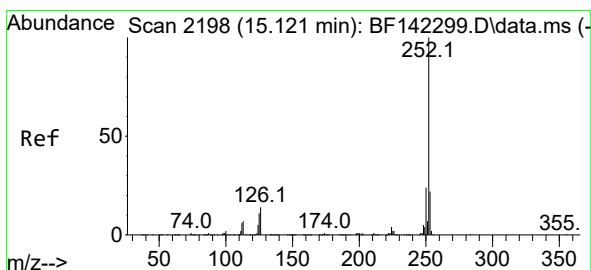
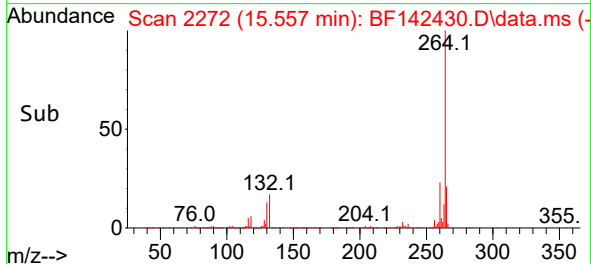
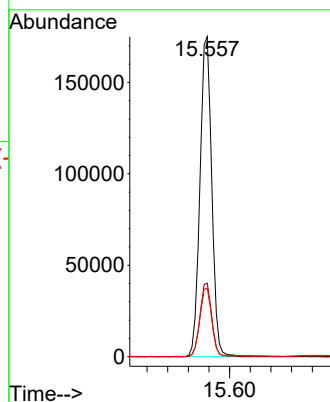
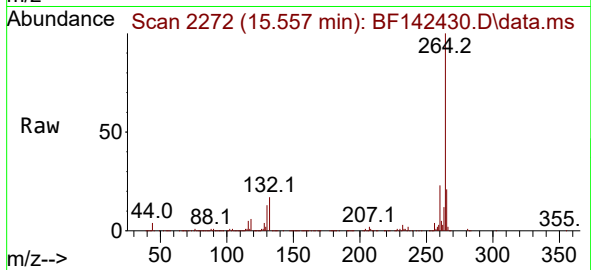
265 21.4 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#88

Benzo(b)fluoranthene

Concen: 3.442 ng m

RT: 15.115 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF142430.D

Acq: 16 May 2025 16:44

Tgt Ion:252 Resp: 57860

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.1 8.7 13.1

