

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143413.D
 Acq On : 15 Aug 2025 10:48
 Operator : RC/JU
 Sample : Q2858-01DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ 216DL

Quant Time: Aug 15 11:12:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	139602	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	526722	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	270909	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	386327	20.000	ng	0.00
76) Chrysene-d12	14.098	240	305576	20.000	ng	0.00
86) Perylene-d12	15.592	264	333688	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	70231	8.700	ng	0.00
7) Phenol-d6	6.563	99	93066	8.990	ng	0.00
23) Nitrobenzene-d5	7.487	82	57397	6.786	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	16969	8.571	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	128846	8.065	ng	0.00
79) Terphenyl-d14	13.033	244	111204	6.497	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.998	154	47938	3.310	ng	99
55) Dibenzofuran	10.175	168	45933	2.204	ng	100
58) Fluorene	10.516	166	66488	4.176	ng	100
71) Phenanthrene	11.481	178	405109	19.220	ng	99
72) Anthracene	11.528	178	102724	4.806	ng	97
75) Fluoranthene	12.675	202	829051	44.903	ng	98
78) Pyrene	12.898	202	638045	24.890	ng	98
81) Benzo(a)anthracene	14.086	228	246607	12.697	ng	98
83) Chrysene	14.122	228	187758	10.368	ng	98
88) Benzo(b)fluoranthene	15.157	252	253415m	13.885	ng	
89) Benzo(k)fluoranthene	15.169	252	99788m	5.627	ng	
90) Benzo(a)pyrene	15.527	252	128429	7.471	ng	99

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

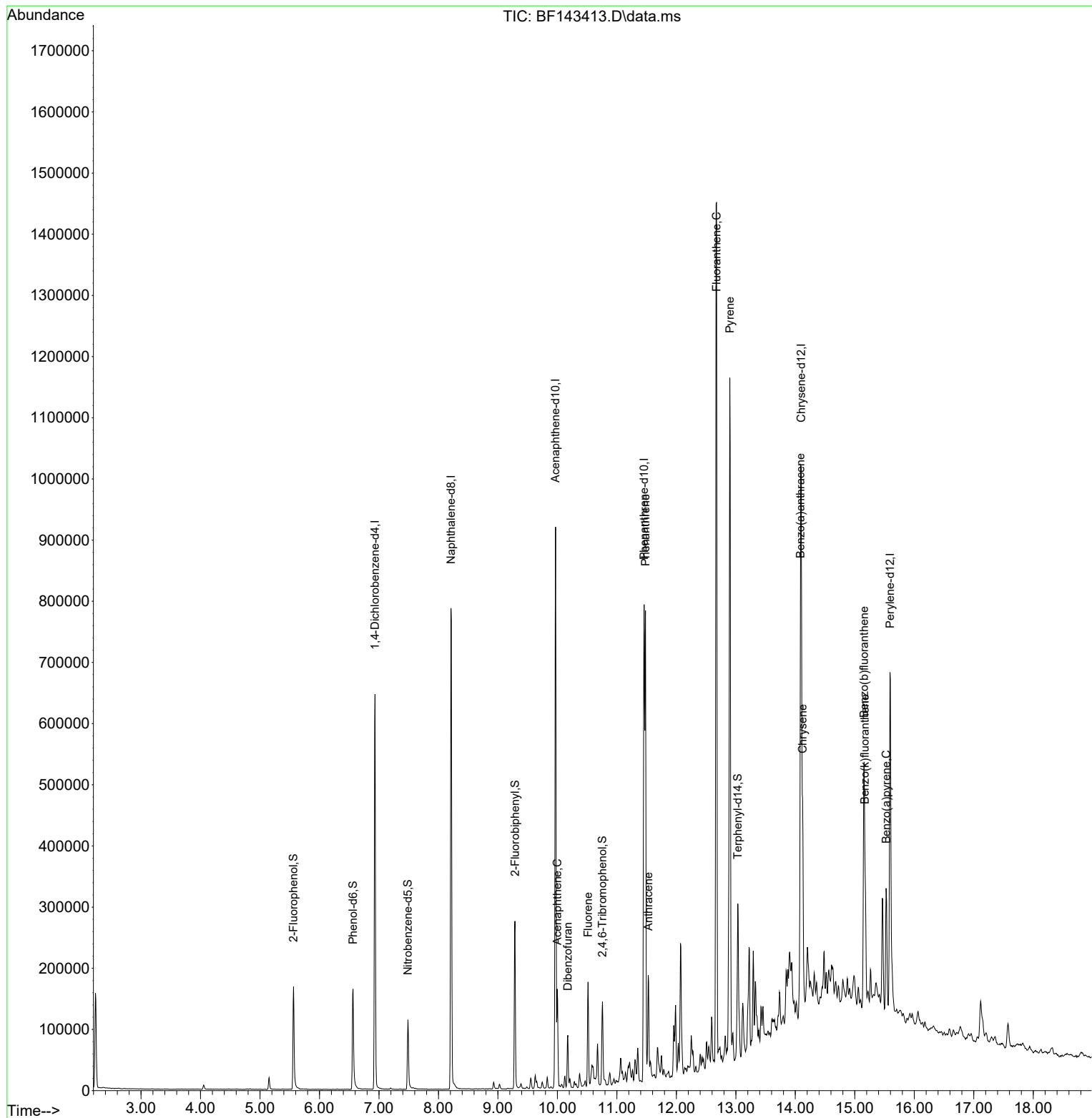
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
Data File : BF143413.D
Acq On : 15 Aug 2025 10:48
Operator : RC/JU
Sample : Q2858-01DL 10X
Misc :
ALS Vial : 36 Sample Multiplier: 1

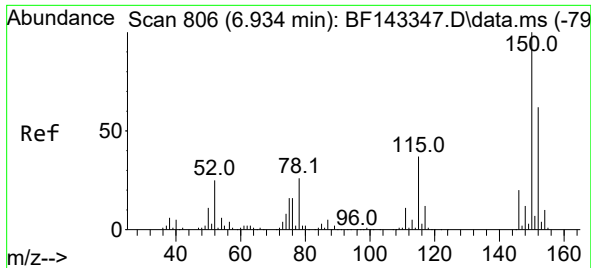
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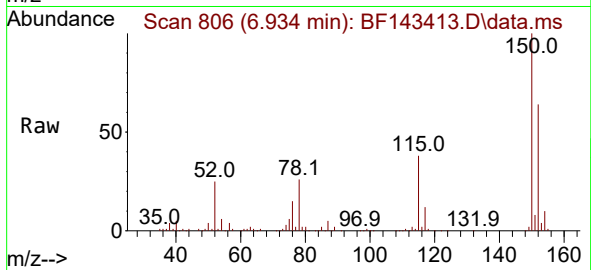
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

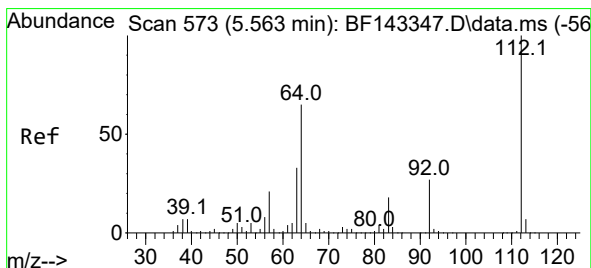
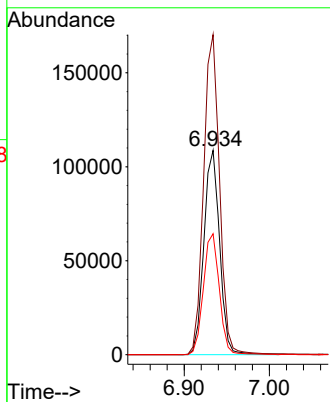
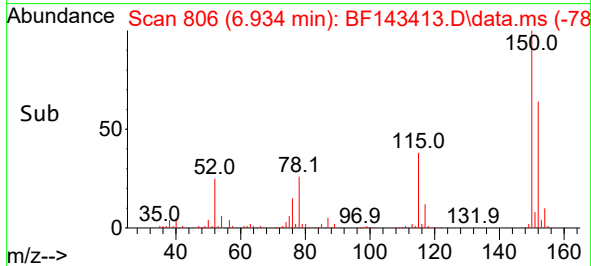
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL



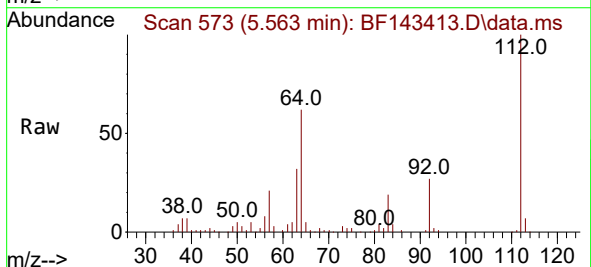
Tgt Ion:152 Resp: 139602
Ion Ratio Lower Upper
152 100
150 156.6 129.8 194.8
115 59.2 47.8 71.8

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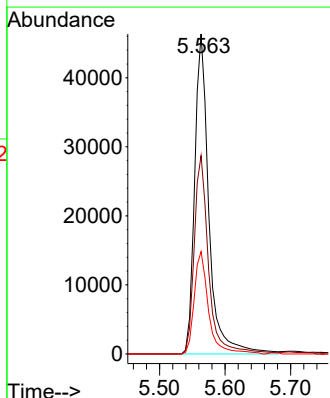
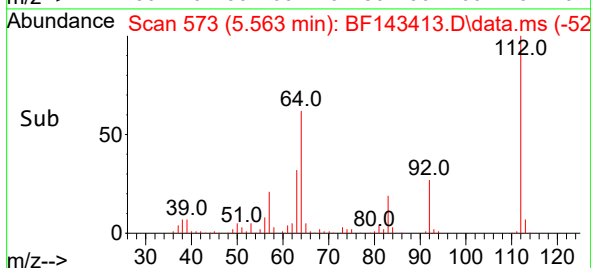
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

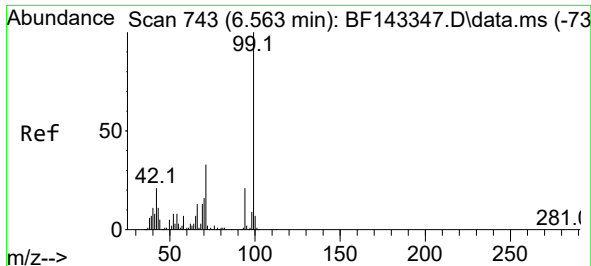


#5
2-Fluorophenol
Concen: 8.700 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



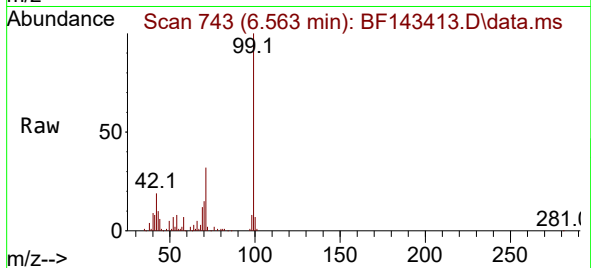
Tgt Ion:112 Resp: 70231
Ion Ratio Lower Upper
112 100
64 62.0 52.1 78.1
63 32.0 26.6 39.8





#7
Phenol-d6
Concen: 8.990 ng
RT: 6.563 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

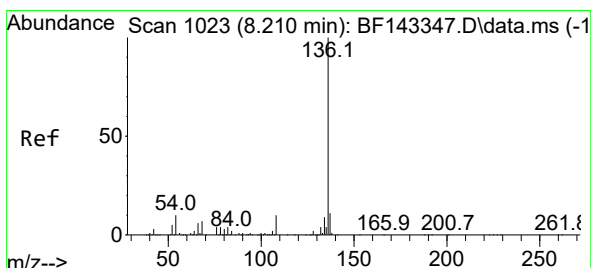
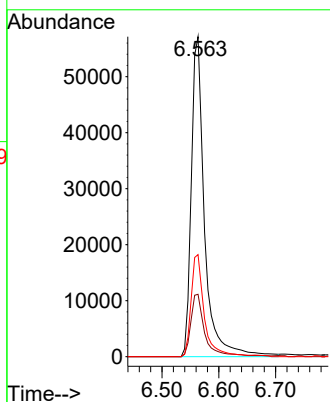
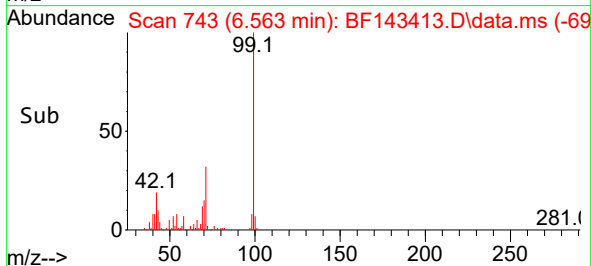
Instrument :
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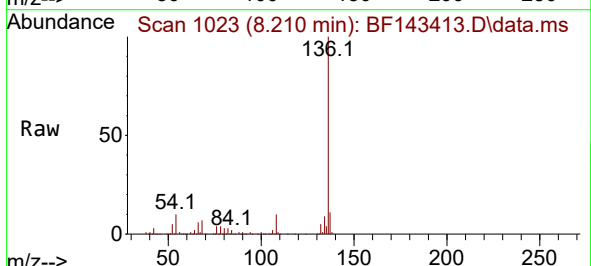
Tgt Ion: 99 Resp: 93060
Ion Ratio Lower Upper
99 100
42 19.5 16.6 25.0
71 31.9 26.2 39.2

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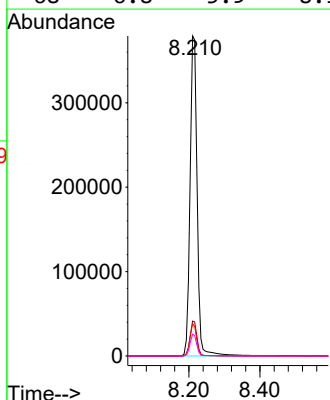
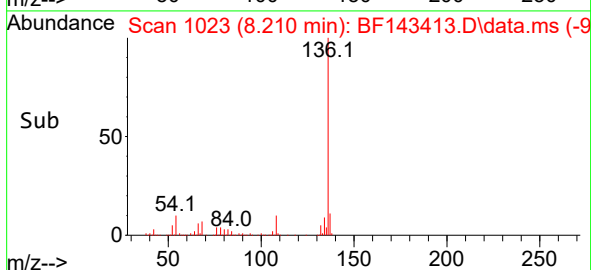
Reviewed By :Rahul Chavli 08/15/2025
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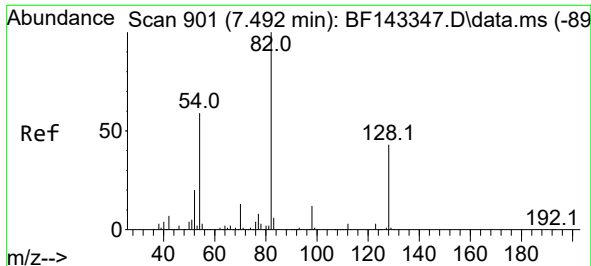


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



Tgt Ion:136 Resp: 526722
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.0 8.4 12.6
68 6.8 5.9 8.9





#23

Nitrobenzene-d5

Concen: 6.786 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Instrument :

BNA_F

ClientSampleId :

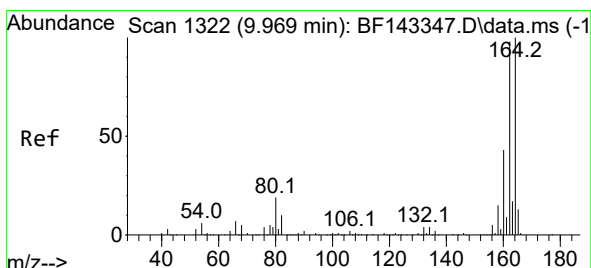
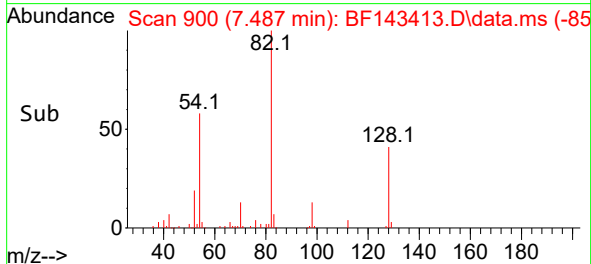
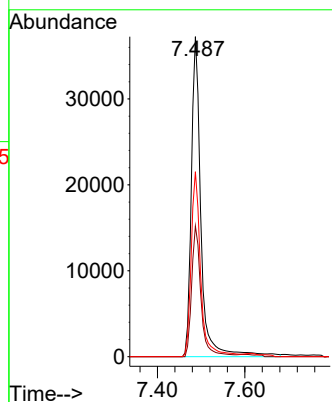
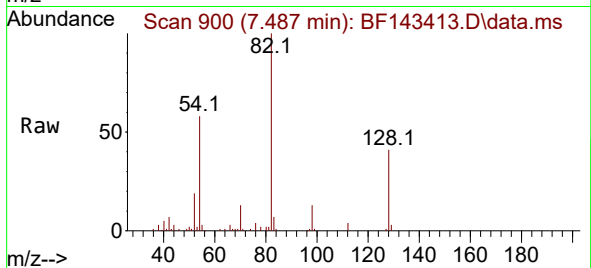
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Tgt Ion: 82 Resp: 57397
 Ion Ratio Lower Upper
 82 100
 128 40.9 33.5 50.3
 54 57.8 46.7 70.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

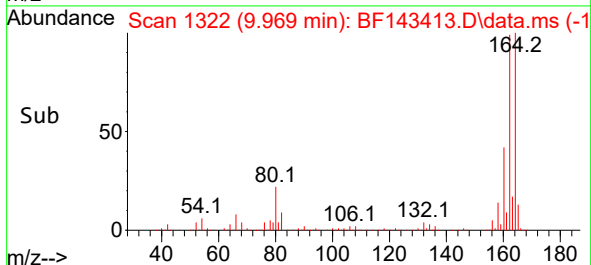
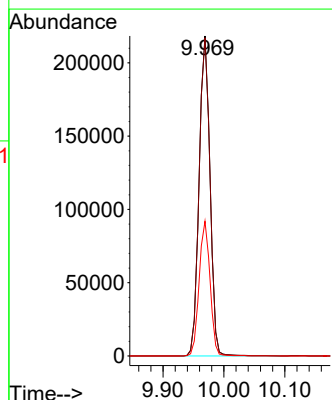
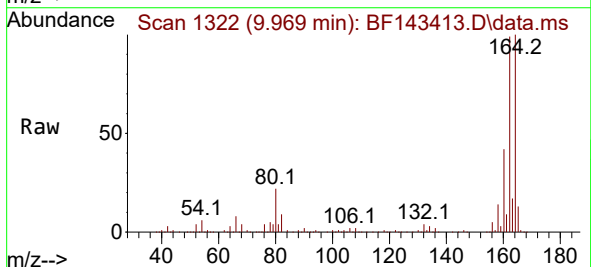
RT: 9.969 min Scan# 1322

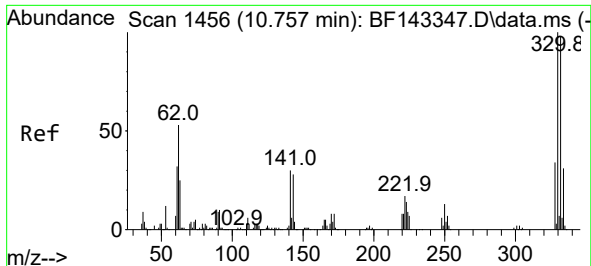
Delta R.T. -0.000 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

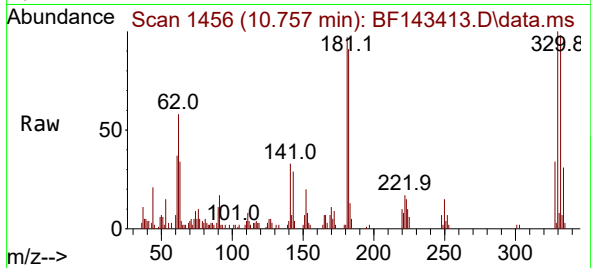
Tgt Ion:164 Resp: 270909
 Ion Ratio Lower Upper
 164 100
 162 99.5 78.6 118.0
 160 42.1 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 8.571 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

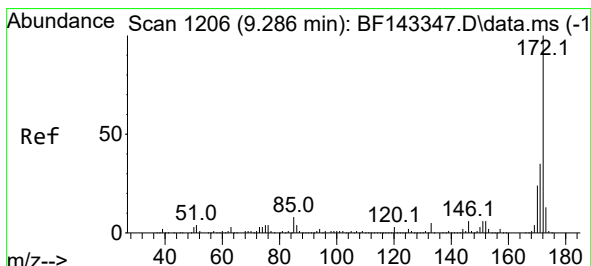
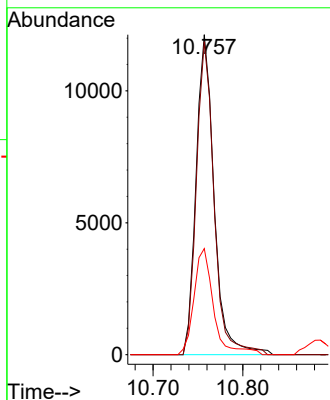
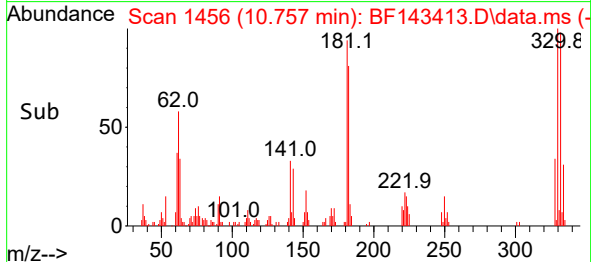
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL



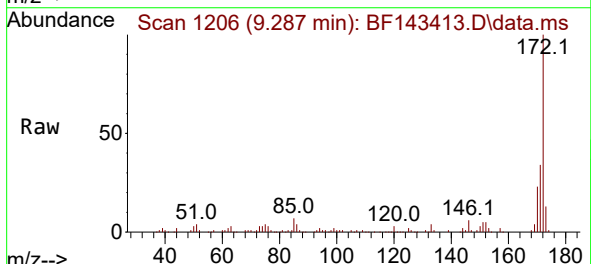
Tgt Ion: 330 Resp: 1696
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 35.8 25.4 38.0

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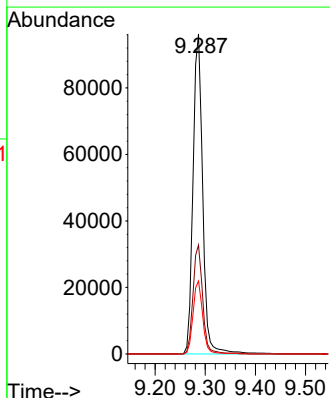
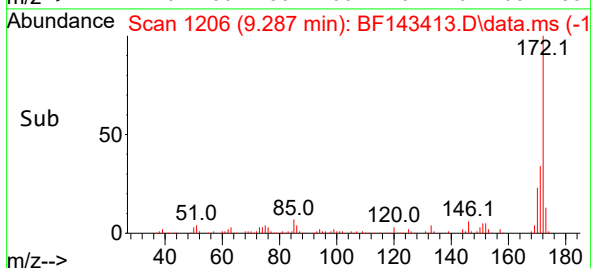
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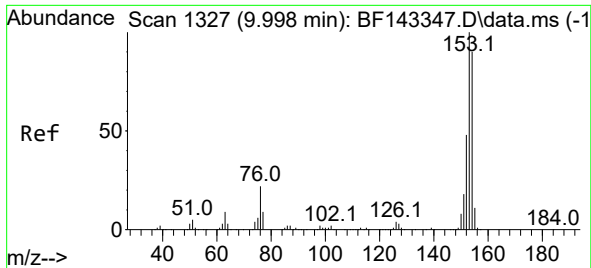


#45
2-Fluorobiphenyl
Concen: 8.065 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



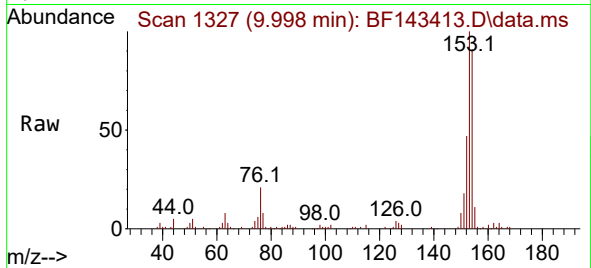
Tgt Ion: 172 Resp: 128846
Ion Ratio Lower Upper
172 100
171 34.0 28.4 42.6
170 22.8 19.1 28.7





#52
Acenaphthene
Concen: 3.310 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

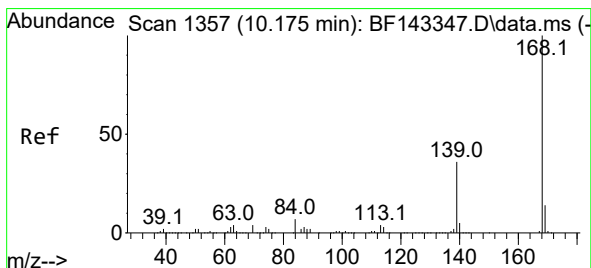
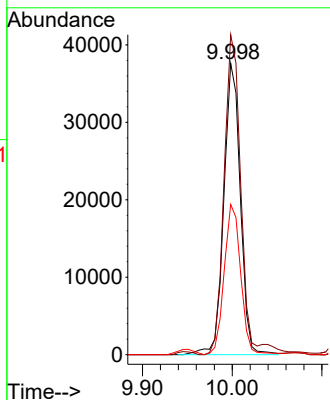
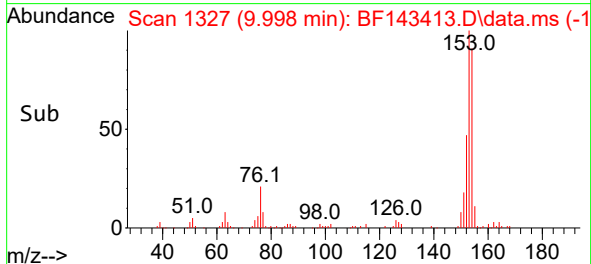
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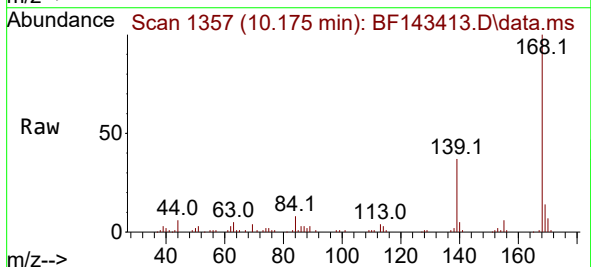
Tgt Ion:154 Resp: 47938
Ion Ratio Lower Upper
154 100
153 109.8 88.5 132.7
152 51.6 42.4 63.6

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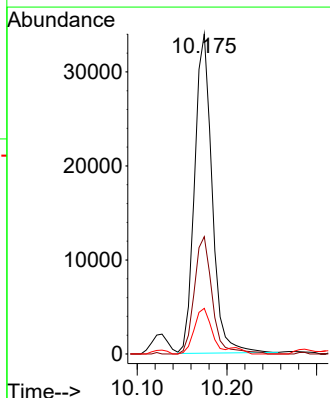
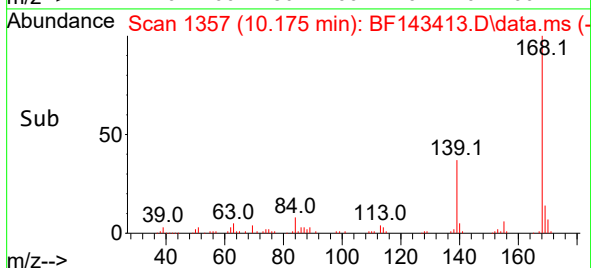
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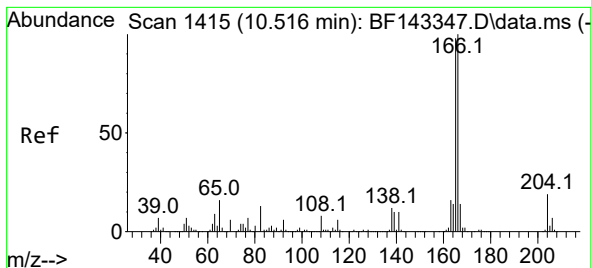


#55
Dibenzofuran
Concen: 2.204 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



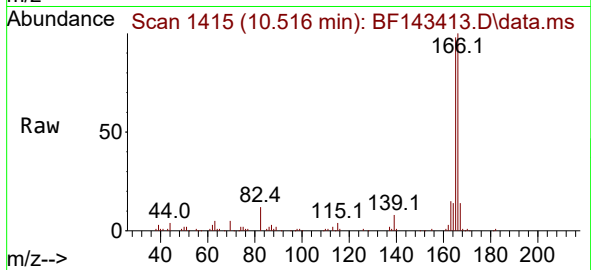
Tgt Ion:168 Resp: 45933
Ion Ratio Lower Upper
168 100
139 36.6 29.4 44.0
169 14.3 11.0 16.6





#58
Fluorene
Concen: 4.176 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

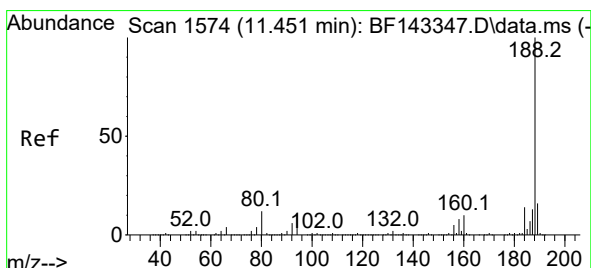
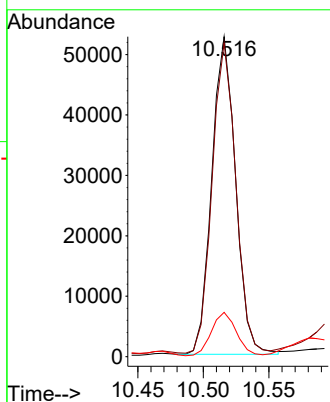
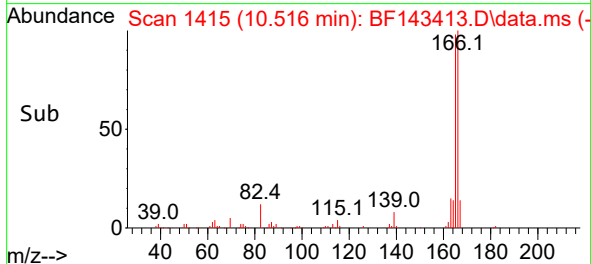
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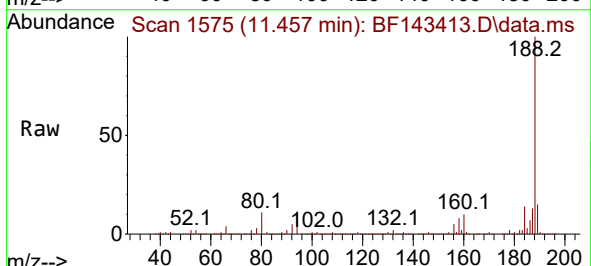
Tgt Ion:166 Resp: 66488
Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.4
167 13.9 10.9 16.3

Manual Integrations
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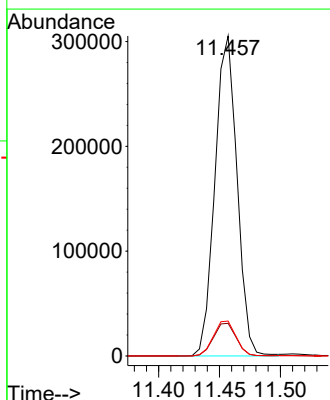
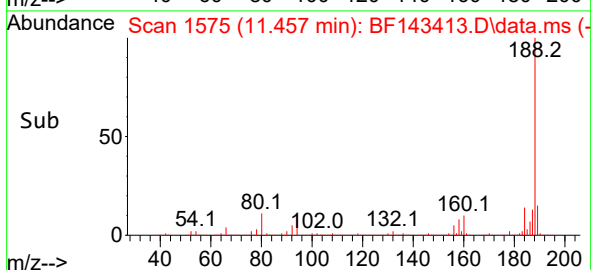
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

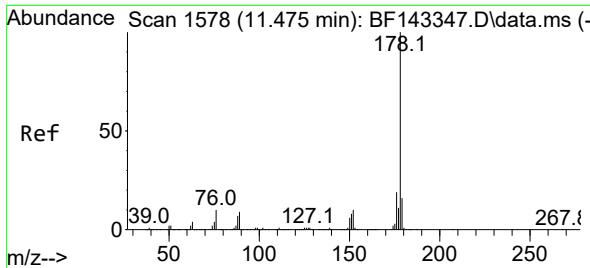


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



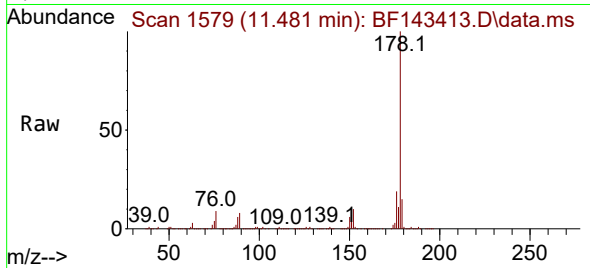
Tgt Ion:188 Resp: 386327
Ion Ratio Lower Upper
188 100
94 10.2 8.8 13.2
80 10.9 9.7 14.5





#71
Phenanthrene
Concen: 19.220 ng
RT: 11.481 min Scan# 11481
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

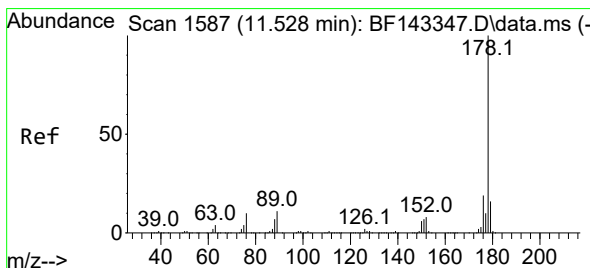
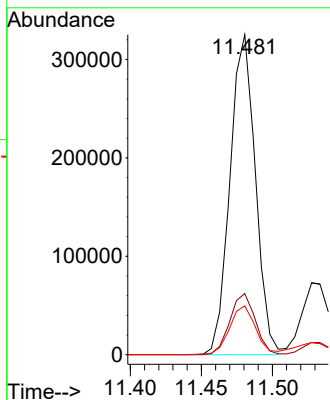
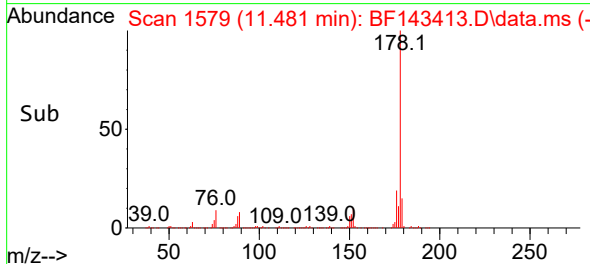
Instrument :
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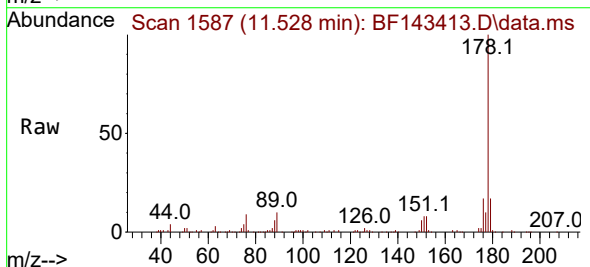
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Ion Ratio Lower Upper
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179 15.3 12.5 18.7

Manual Integrations
APPROVED

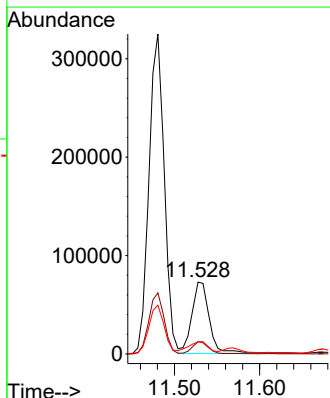
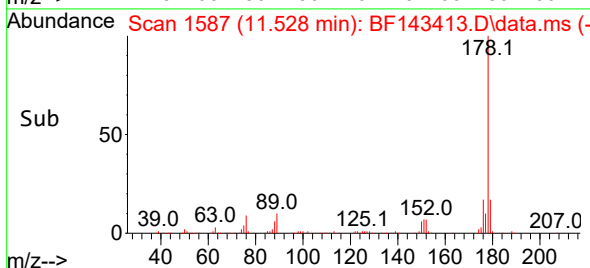
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

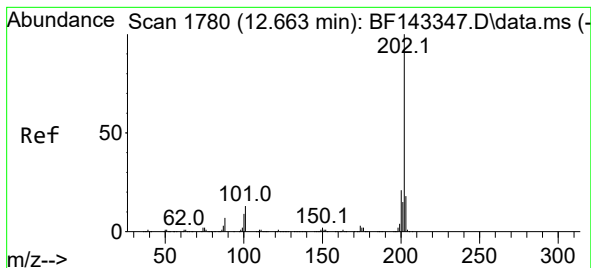


#72
Anthracene
Concen: 4.806 ng
RT: 11.528 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



Tgt Ion:178 Resp: 102724
Ion Ratio Lower Upper
178 100
176 17.0 15.1 22.7
179 17.0 12.7 19.1





#75

Fluoranthene

Concen: 44.903 ng

RT: 12.675 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

Instrument :

BNA_F

ClientSampleId :

VNJ 216DL

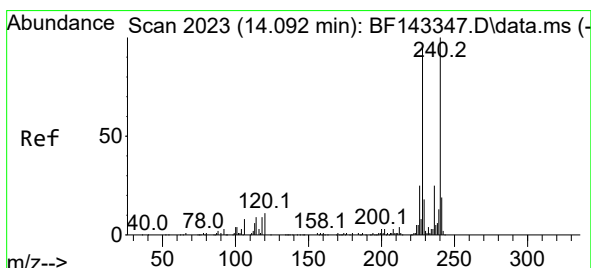
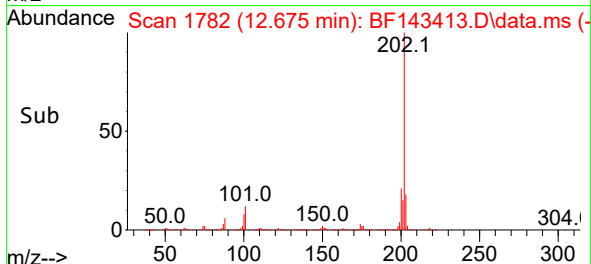
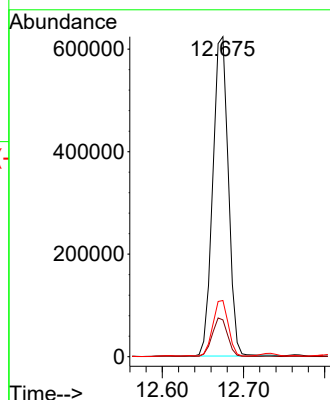
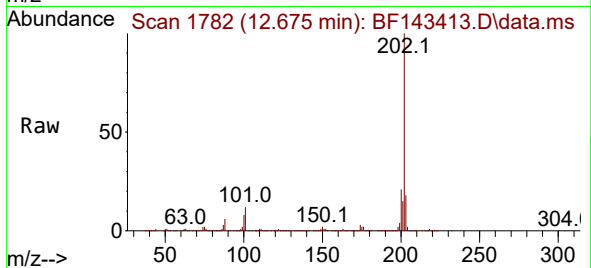
Tgt Ion:202 Resp: 82905
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 33.2
 203 17.5 0.0 37.6

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Reviewed By :Rahul Chavli 08/15/2025

Supervised By :Jagrut Upadhyay 08/15/2025



#76

Chrysene-d12

Concen: 20.000 ng

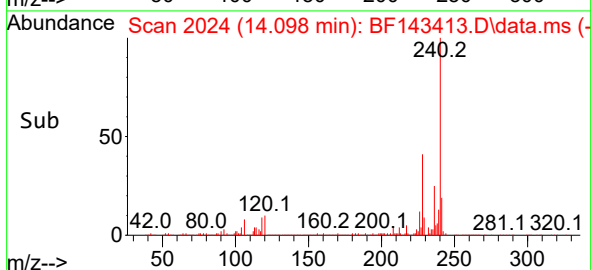
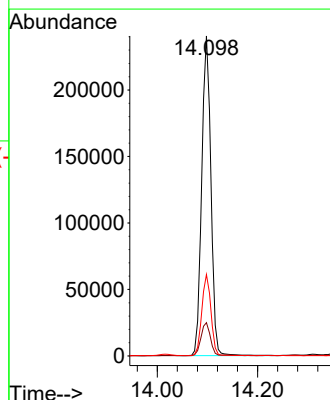
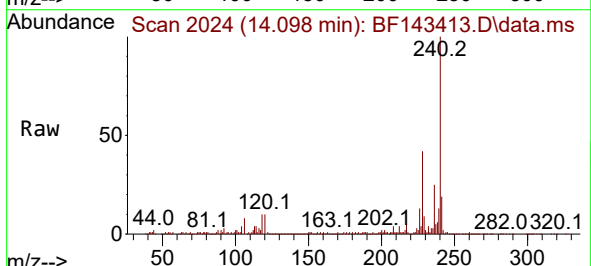
RT: 14.098 min Scan# 2024

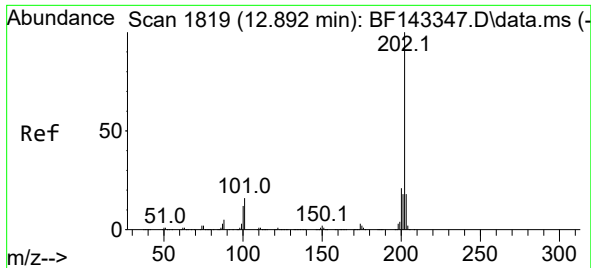
Delta R.T. 0.006 min

Lab File: BF143413.D

Acq: 15 Aug 2025 10:48

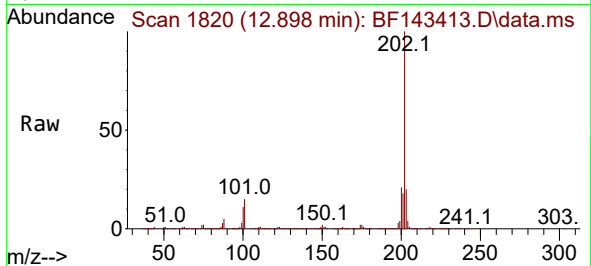
Tgt Ion:240 Resp: 305576
 Ion Ratio Lower Upper
 240 100
 120 10.4 9.0 13.6
 236 25.4 19.9 29.9





#78
Pyrene
Concen: 24.890 ng
RT: 12.898 min Scan# 1820
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

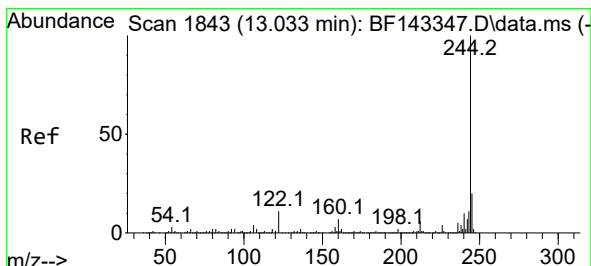
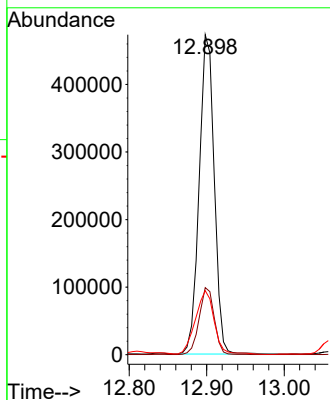
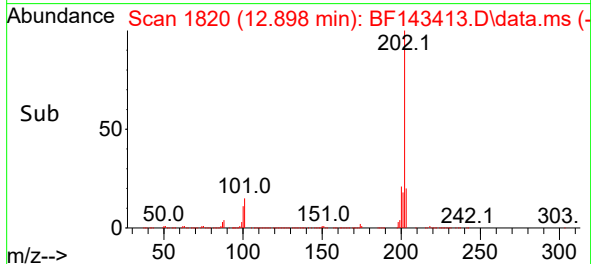
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL



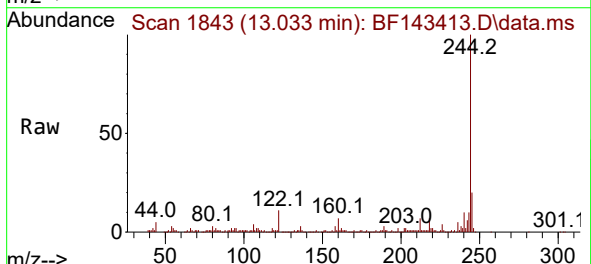
Tgt Ion:202 Resp: 63804
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 20.0 14.2 21.4

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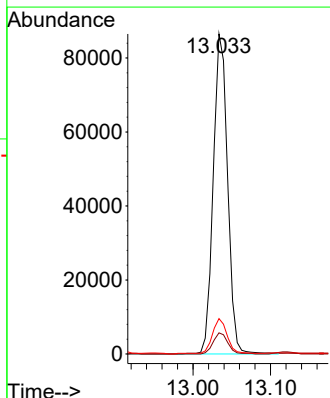
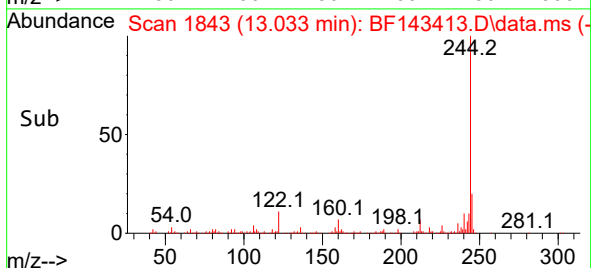
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

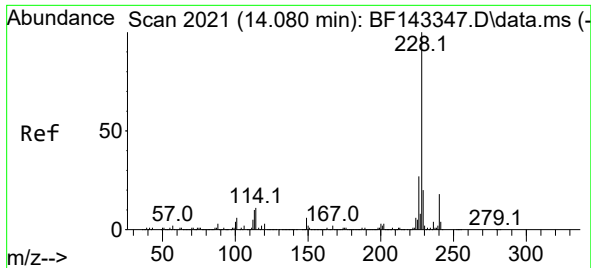


#79
Terphenyl-d14
Concen: 6.497 ng
RT: 13.033 min Scan# 1843
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



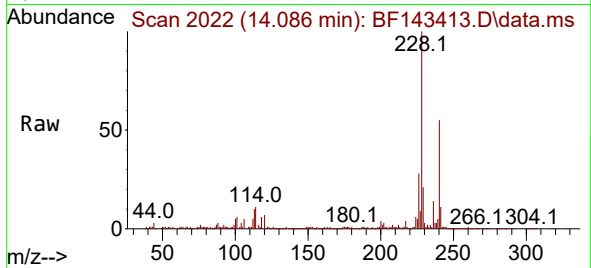
Tgt Ion:244 Resp: 111204
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 11.0 8.9 13.3





#81
Benzo(a)anthracene
Concen: 12.697 ng
RT: 14.086 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

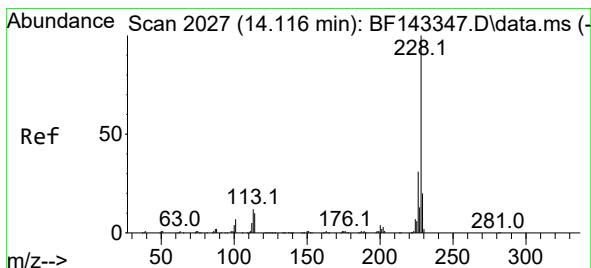
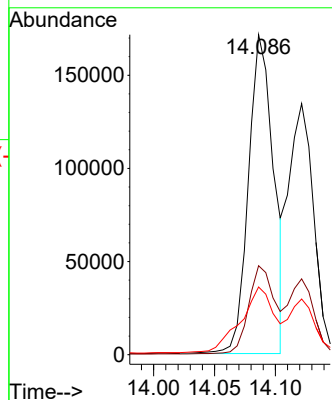
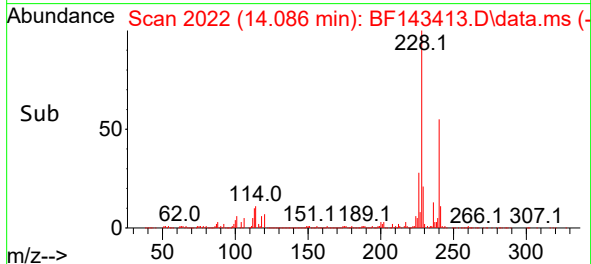
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL



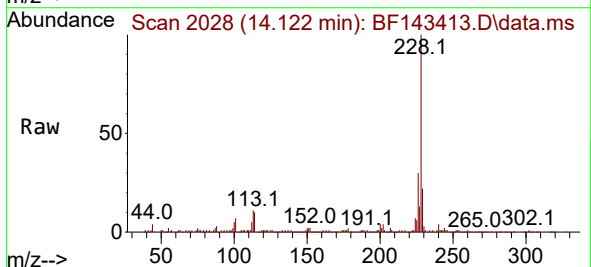
Tgt Ion:228 Resp: 246607
Ion Ratio Lower Upper
228 100
226 27.8 22.0 33.0
229 21.2 15.8 23.8

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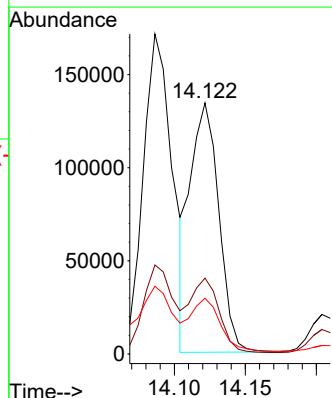
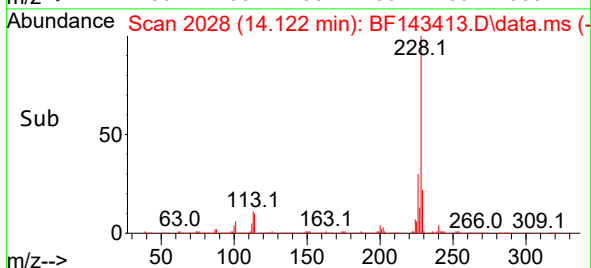
Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025

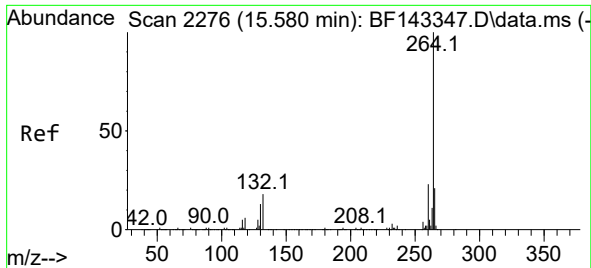


#83
Chrysene
Concen: 10.368 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



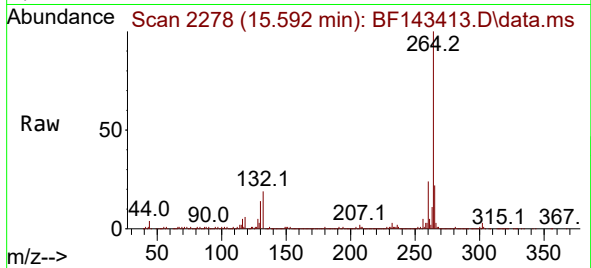
Tgt Ion:228 Resp: 187758
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 22.2 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143413.D
 Acq: 15 Aug 2025 10:48

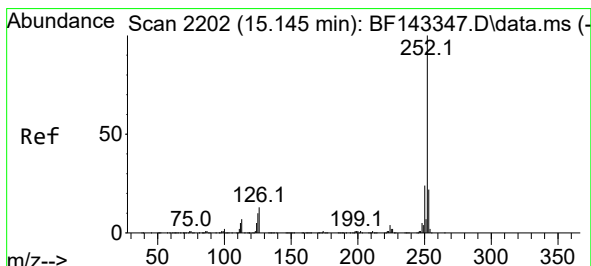
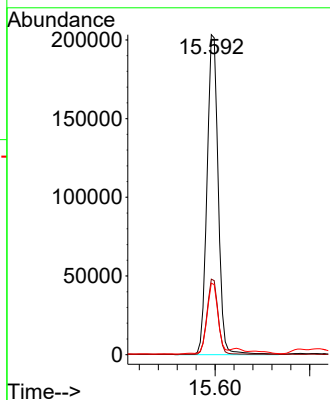
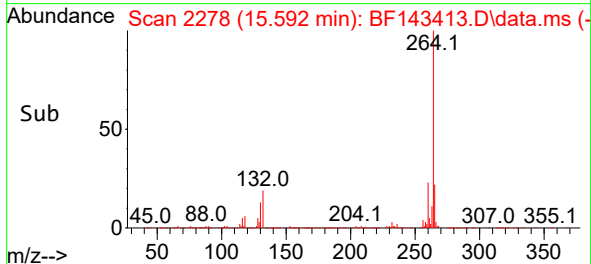
Instrument :
 BNA_F
 ClientSampleId :
 VNJ 216DL



Tgt Ion:264 Resp: 333688
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.7 28.1
 265 22.4 17.2 25.8

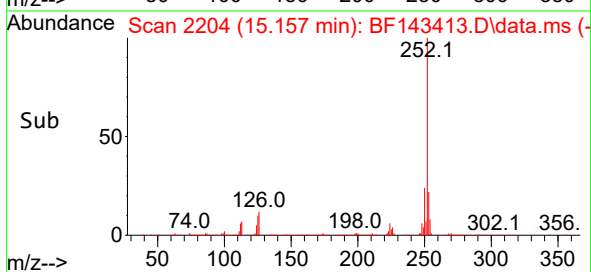
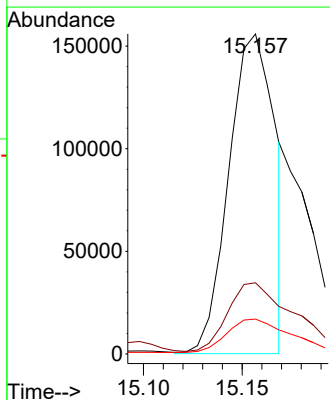
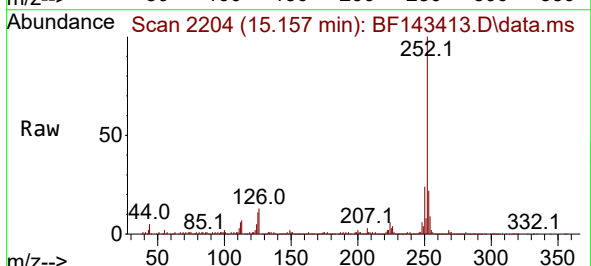
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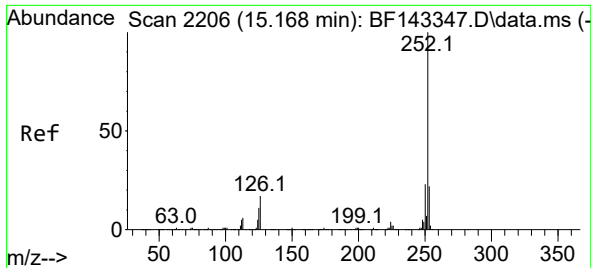
Reviewed By :Rahul Chavli 08/15/2025
 Supervised By :Jagrut Upadhyay 08/15/2025



#88
 Benzo(b)fluoranthene
 Concen: 13.885 ng m
 RT: 15.157 min Scan# 2204
 Delta R.T. 0.012 min
 Lab File: BF143413.D
 Acq: 15 Aug 2025 10:48

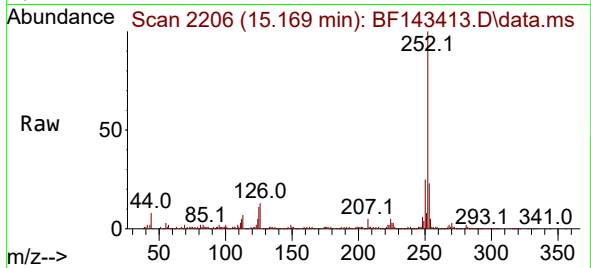
Tgt Ion:252 Resp: 253415
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.8 26.8
 125 10.9 7.8 11.6





#89
Benzo(k)fluoranthene
Concen: 5.627 ng m
RT: 15.169 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48

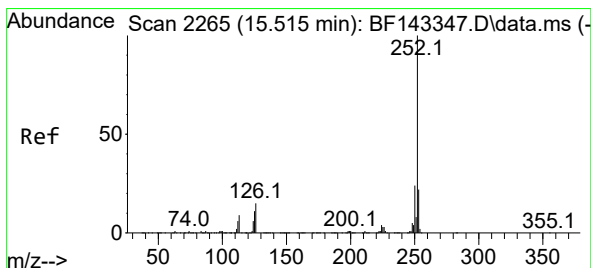
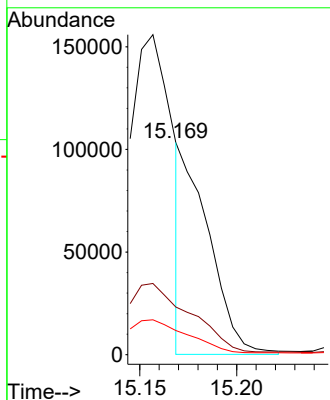
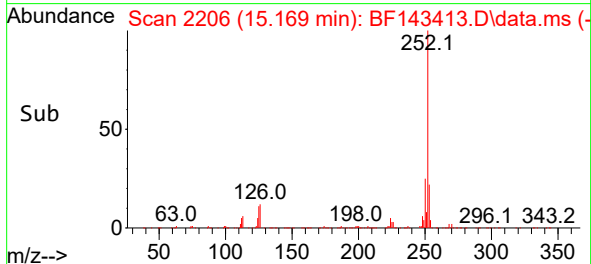
Instrument :
BNA_F
ClientSampleId :
VNJ 216DL



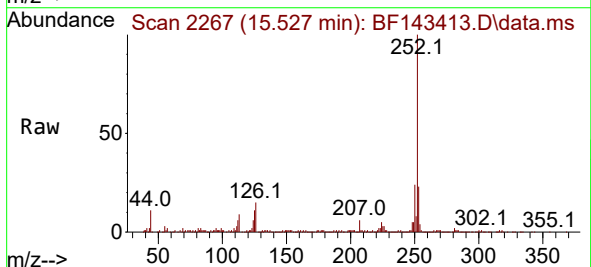
Tgt Ion:252 Resp: 99788
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 11.4 8.4 12.6

Manual Integrations
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Reviewed By :Rahul Chavli 08/15/2025
Supervised By :Jagrut Upadhyay 08/15/2025



#90
Benzo(a)pyrene
Concen: 7.471 ng
RT: 15.527 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF143413.D
Acq: 15 Aug 2025 10:48



Tgt Ion:252 Resp: 128429
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 11.3 9.1 13.7

