

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142634.D
 Acq On : 05 Jun 2025 15:06
 Operator : RC/JU
 Sample : Q2199-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-231

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 16:08:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	123734	20.000	ng	-0.01
21) Naphthalene-d8	8.180	136	430801	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	190585	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	267490	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	290749	20.000	ng	#-0.01
86) Perylene-d12	15.562	264	308038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	610336	83.103	ng	0.00
7) Phenol-d6	6.522	99	714762	80.848	ng	-0.01
23) Nitrobenzene-d5	7.457	82	428137	54.192	ng	-0.02
42) 2,4,6-Tribromophenol	10.721	330	153155	72.405	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	825150	58.097	ng	-0.02
79) Terphenyl-d14	13.010	244	692894	32.567	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.227	266	5304	2.686	ng	94
71) Phenanthrene	11.445	178	46246	3.235	ng	99
75) Fluoranthene	12.639	202	164871	12.343	ng	99
78) Pyrene	12.868	202	152206	5.612	ng	97
81) Benzo(a)anthracene	14.057	228	123096	6.340	ng	97
83) Chrysene	14.092	228	95826	5.493	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	46359	2.005	ng	96
88) Benzo(b)fluoranthene	15.121	252	160526m	8.805	ng	
89) Benzo(k)fluoranthene	15.139	252	45784m	2.681	ng	
90) Benzo(a)pyrene	15.492	252	106030	6.170	ng	# 96
92) Benzo(g,h,i)perylene	17.521	276	40658	2.167	ng	96

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

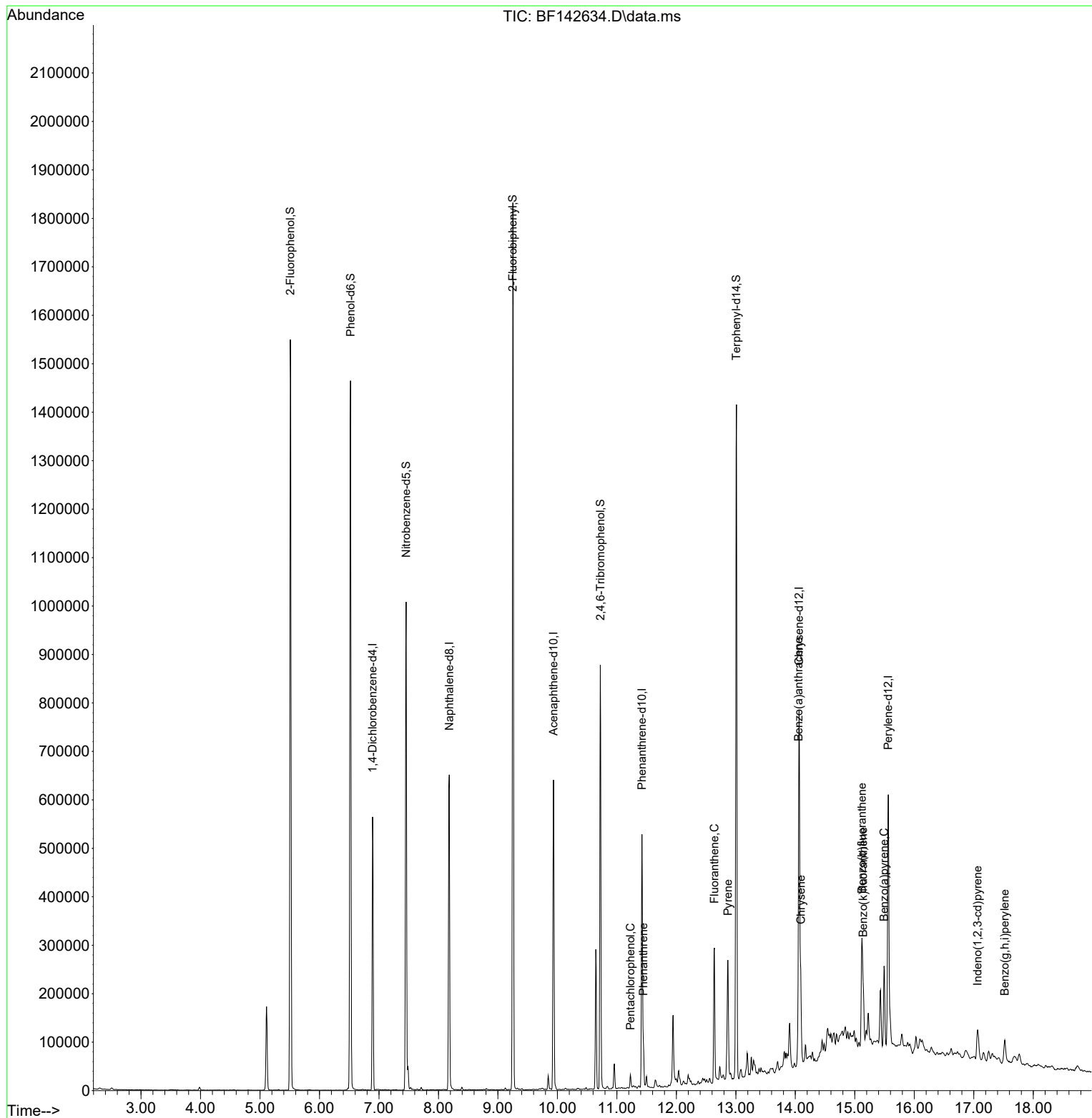
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
Data File : BF142634.D
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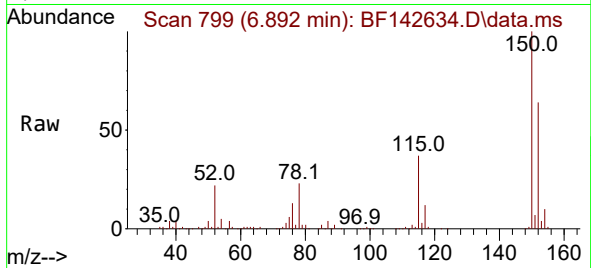
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

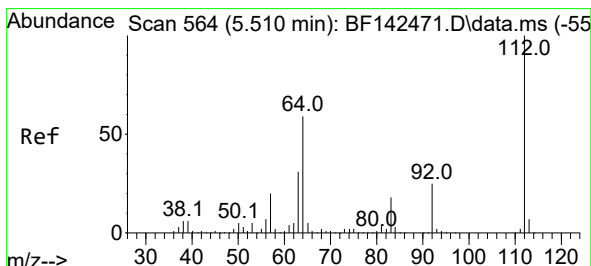
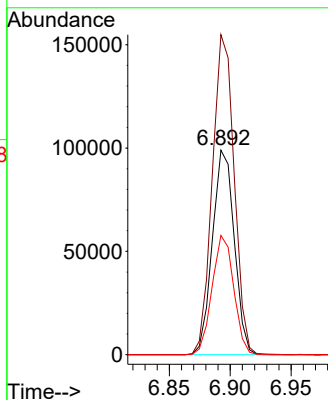
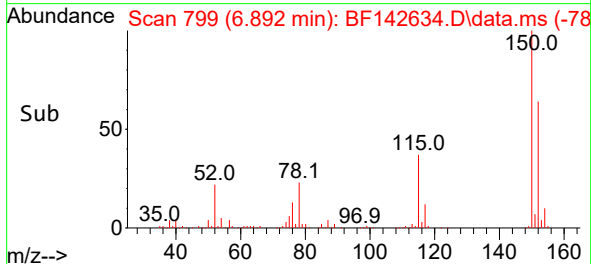
Instrument :
BNA_F
ClientSampleId :
VNJ-231



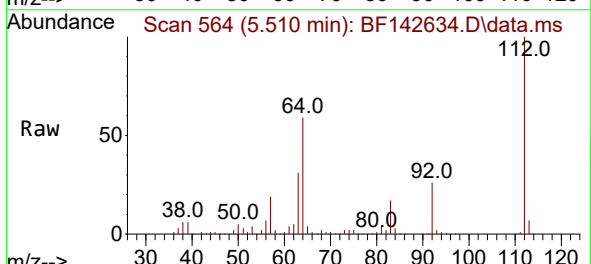
Tgt Ion:152 Resp: 123734
Ion Ratio Lower Upper
152 100
150 156.5 128.2 192.4
115 58.3 48.3 72.5

Manual Integrations
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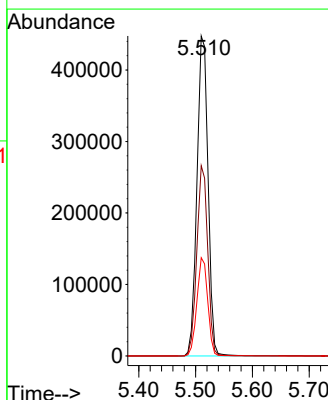
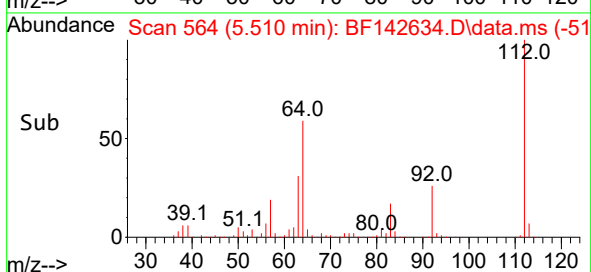
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

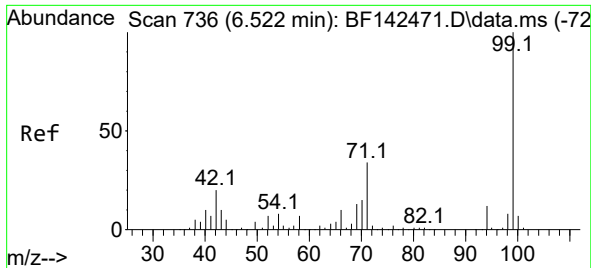


#5
2-Fluorophenol
Concen: 83.103 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06



Tgt Ion:112 Resp: 610336
Ion Ratio Lower Upper
112 100
64 59.5 47.5 71.3
63 30.7 24.9 37.3





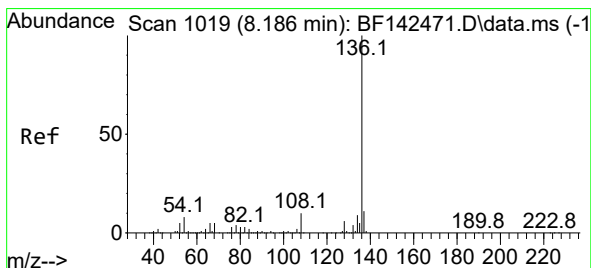
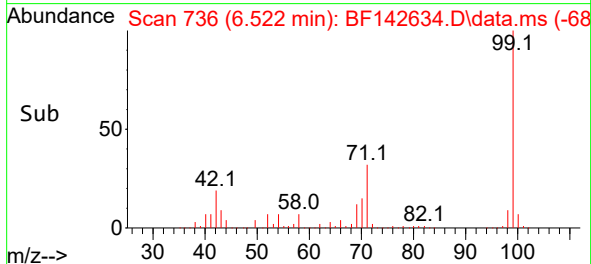
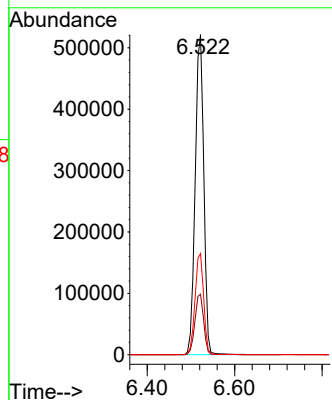
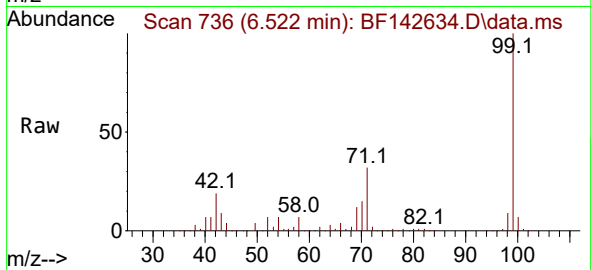
#7
Phenol-d6
Concen: 80.848 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Instrument :
BNA_F
ClientSampleId :
VNJ-231

Tgt Ion: 99 Resp: 714762
Ion Ratio Lower Upper
99 100
42 18.9 16.2 24.2
71 31.6 27.3 40.9

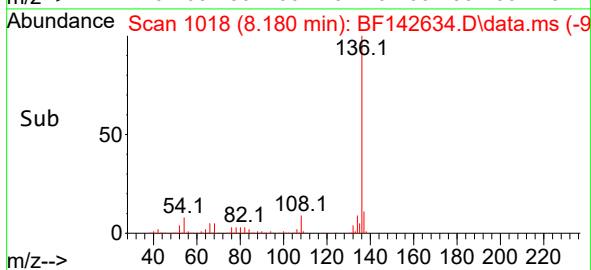
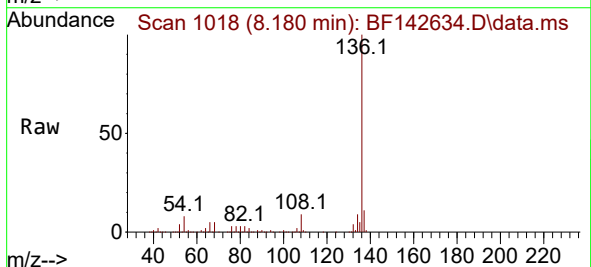
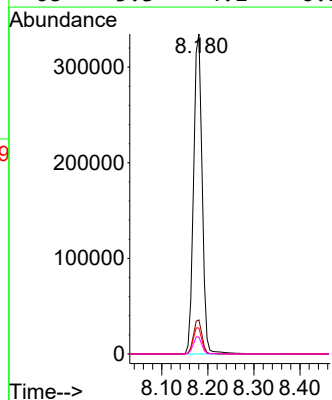
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Supervised By :Jagrut Upadhyay 06/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.180 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Tgt Ion:136 Resp: 430801
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.1 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 54.192 ng

RT: 7.457 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

Instrument :

BNA_F

ClientSampleId :

VNJ-231

Tgt Ion: 82 Resp: 42813

Ion Ratio Lower Upper

82 100

128 49.5 37.4 56.2

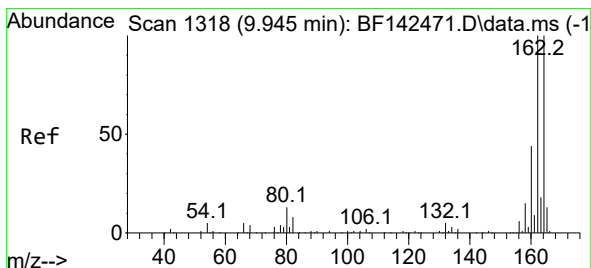
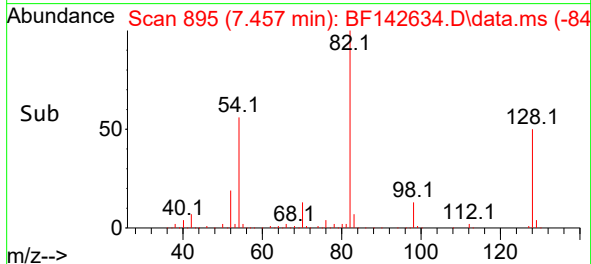
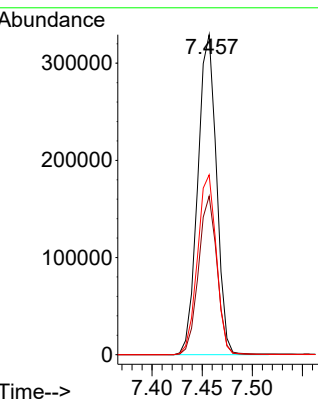
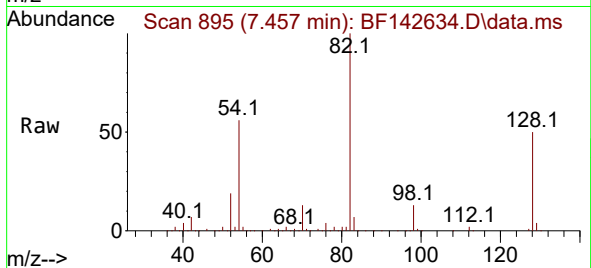
54 56.2 46.6 70.0

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Supervised By :Jagrut Upadhyay 06/06/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

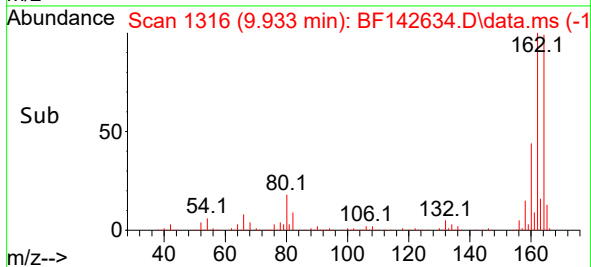
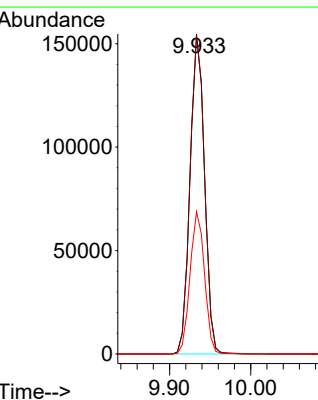
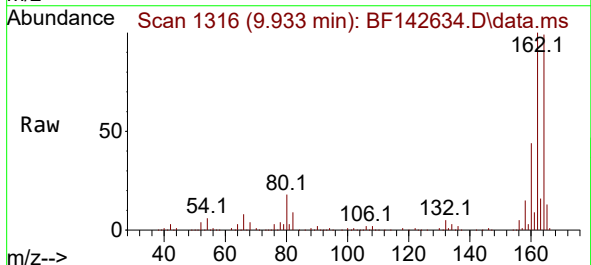
Tgt Ion:164 Resp: 190585

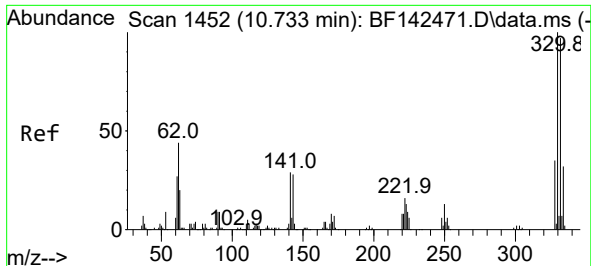
Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.4

160 44.7 35.6 53.4





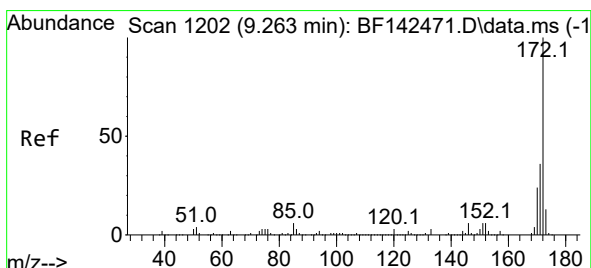
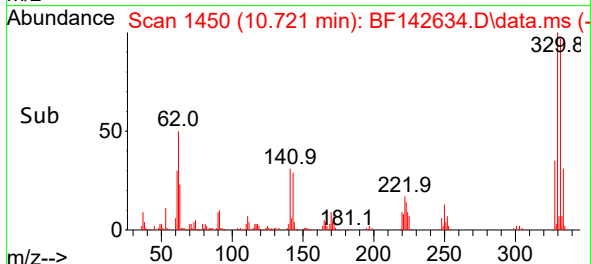
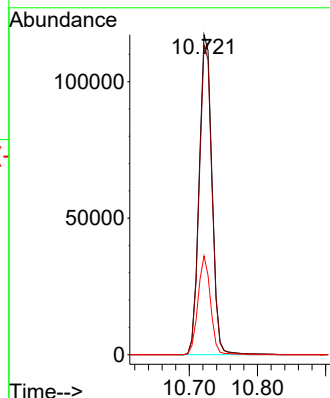
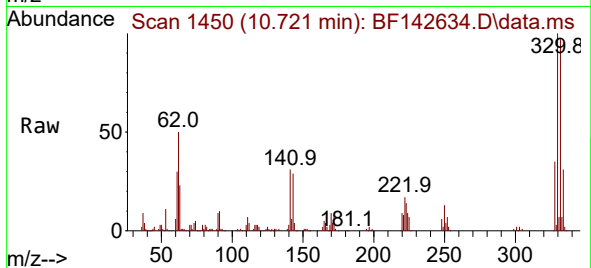
#42
2,4,6-Tribromophenol
Concen: 72.405 ng
RT: 10.721 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Instrument :
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ClientSampleId :
VNJ-231

Tgt Ion: 330 Resp: 15315
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 29.9 24.6 36.8

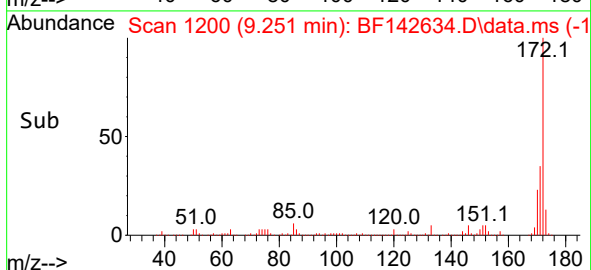
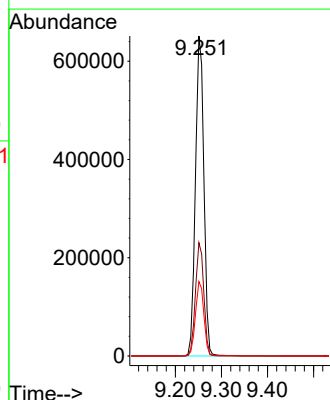
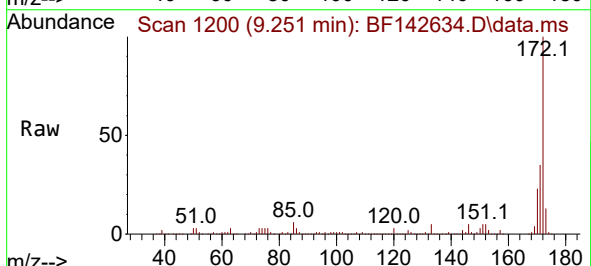
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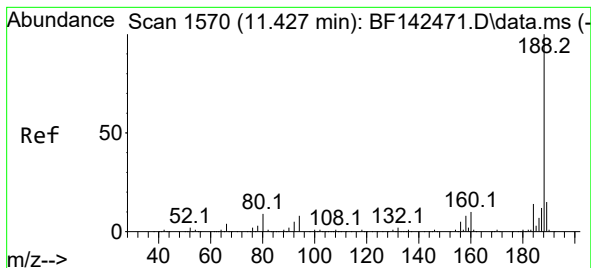
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#45
2-Fluorobiphenyl
Concen: 58.097 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

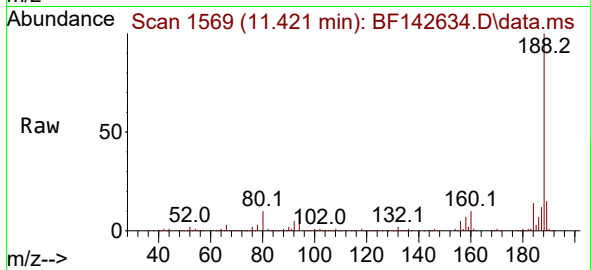
Tgt Ion: 172 Resp: 825150
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.3 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

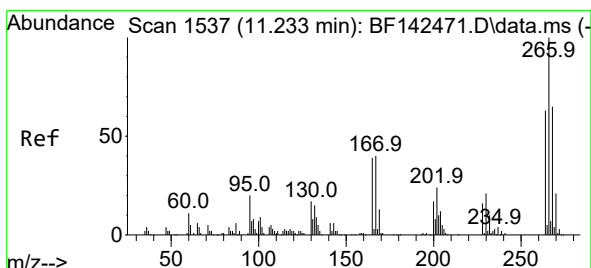
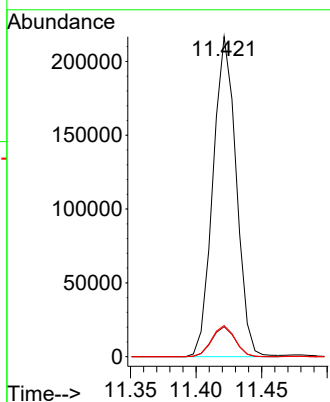
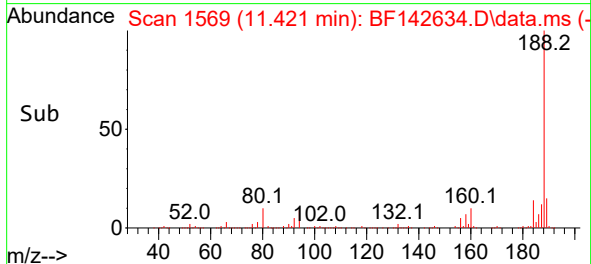
Instrument :
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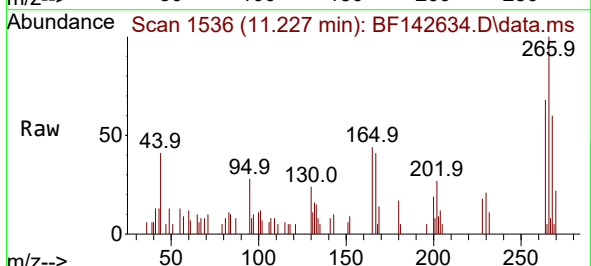
Tgt Ion:188 Resp: 267490
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 9.8 7.4 11.0

Manual Integrations
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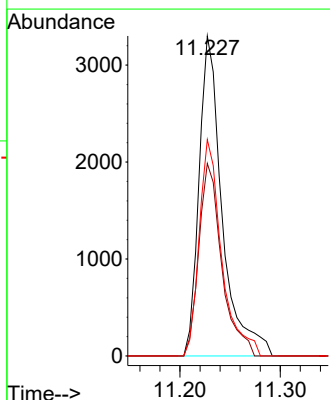
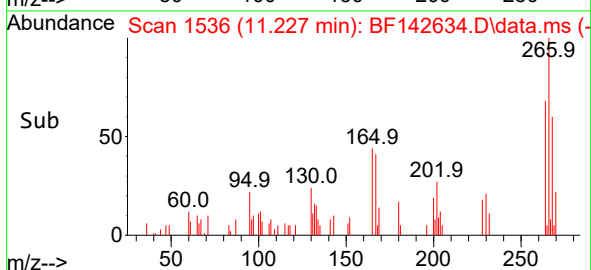
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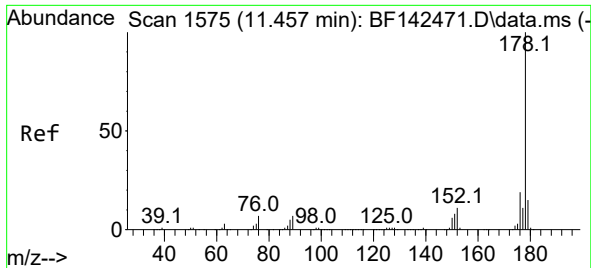


#70
Pentachlorophenol
Concen: 2.686 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06



Tgt Ion:266 Resp: 5304
Ion Ratio Lower Upper
266 100
268 60.2 51.7 77.5
264 67.6 50.4 75.6





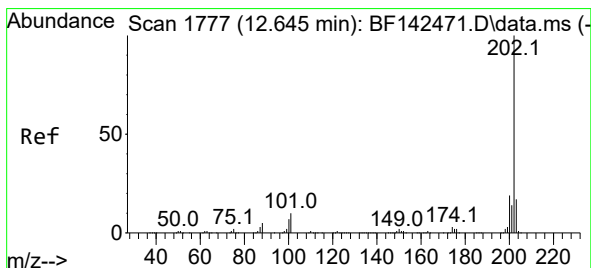
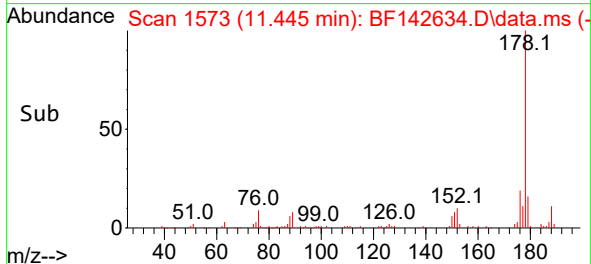
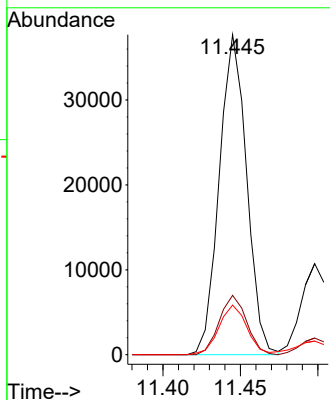
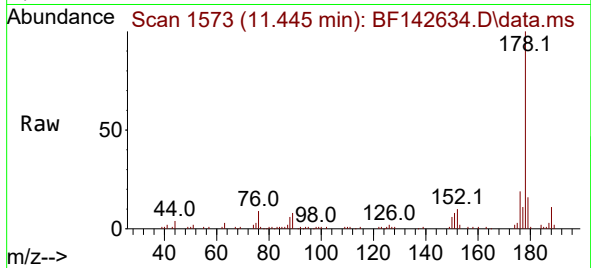
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Phenanthrene
Concen: 3.235 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Instrument :
BNA_F
ClientSampleId :
VNJ-231

Tgt Ion:178 Resp: 46240
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.5 12.3 18.5

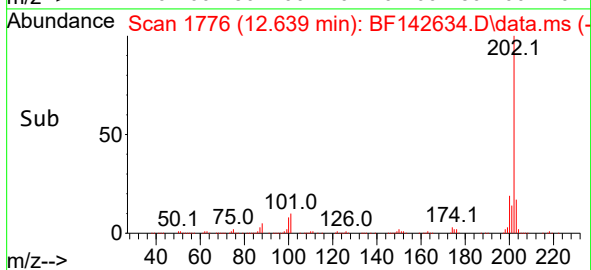
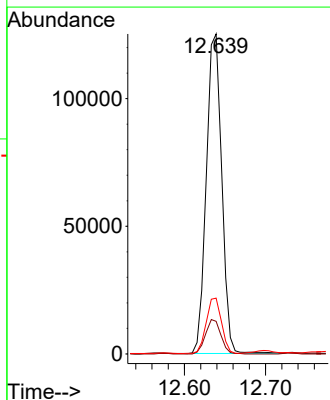
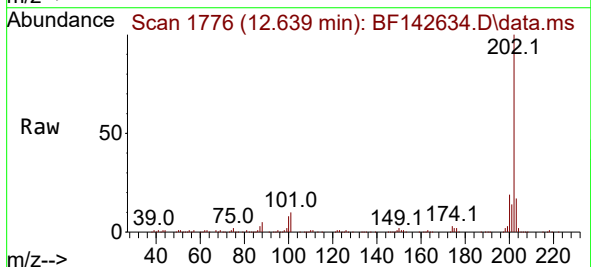
Manual Integrations
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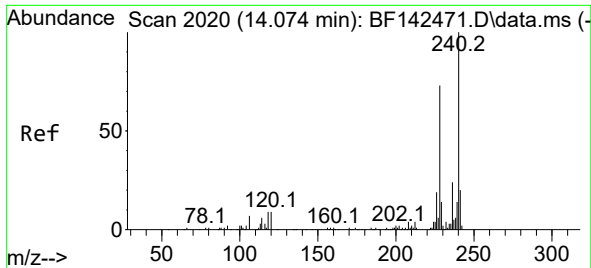
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Supervised By :Jagrut Upadhyay 06/06/2025



#75
Fluoranthene
Concen: 12.343 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

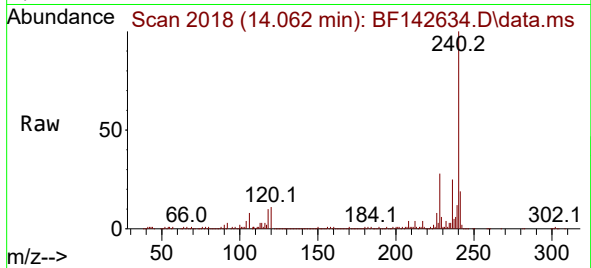
Tgt Ion:202 Resp: 164871
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.6
203 17.4 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

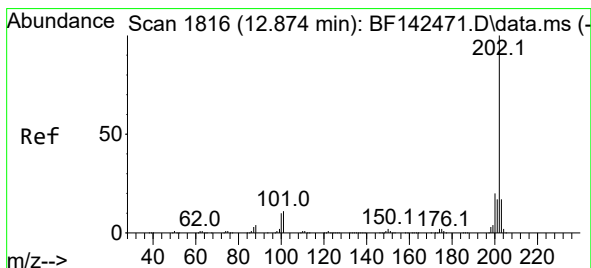
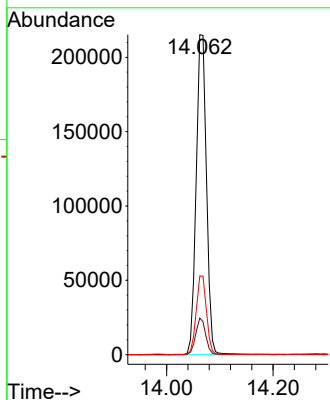
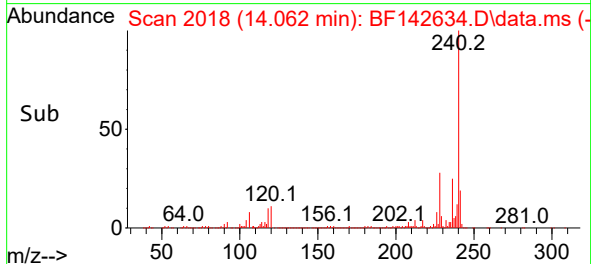
Instrument :
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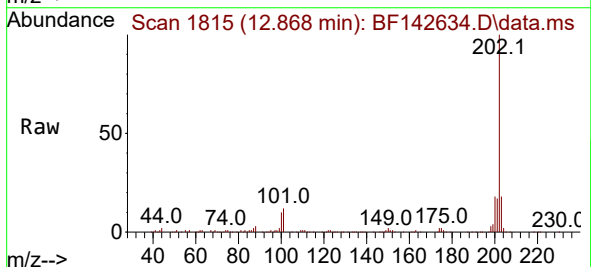
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Ion Ratio Lower Upper
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120 11.5 7.5 11.3
236 24.6 19.6 29.4

Manual Integrations
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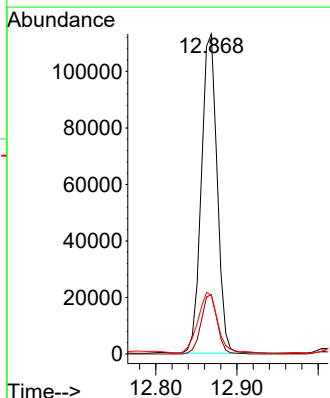
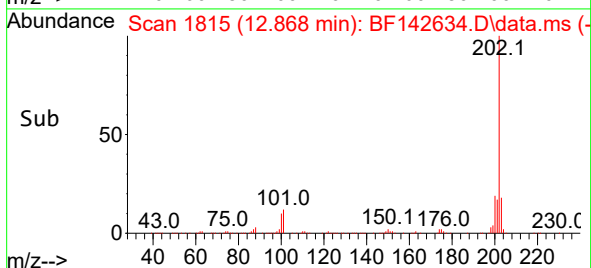
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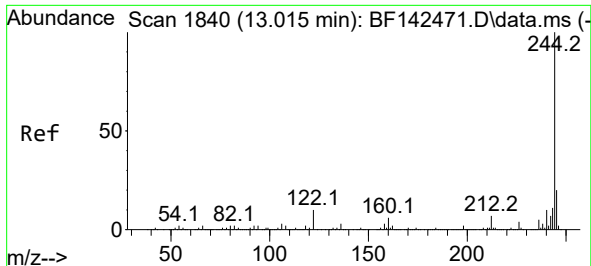


#78
Pyrene
Concen: 5.612 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06



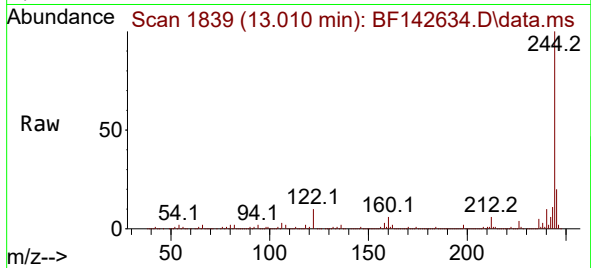
Tgt Ion:202 Resp: 152206
Ion Ratio Lower Upper
202 100
200 18.5 16.1 24.1
203 18.3 13.9 20.9





#79
 Terphenyl-d14
 Concen: 32.567 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142634.D
 Acq: 05 Jun 2025 15:06

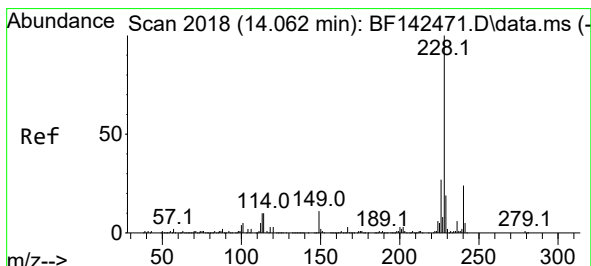
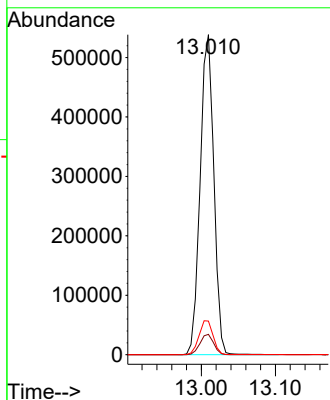
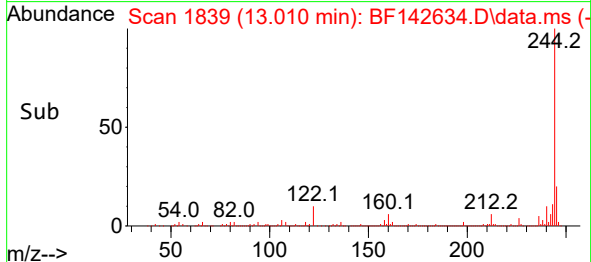
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-231



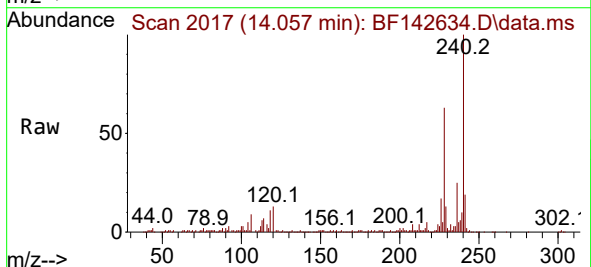
Tgt Ion:244 Resp: 692894
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.5 8.2 12.2

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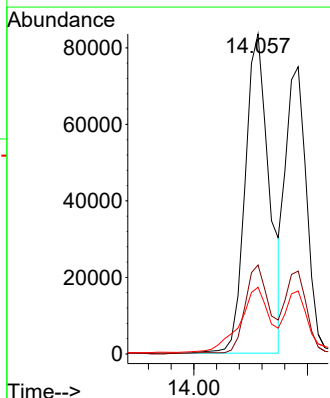
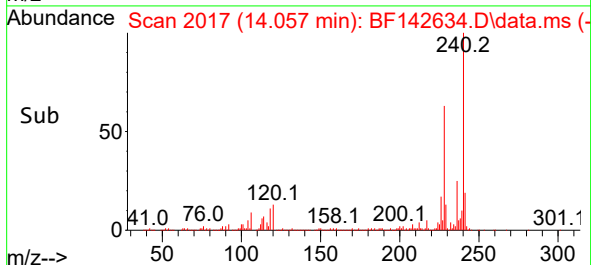
Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

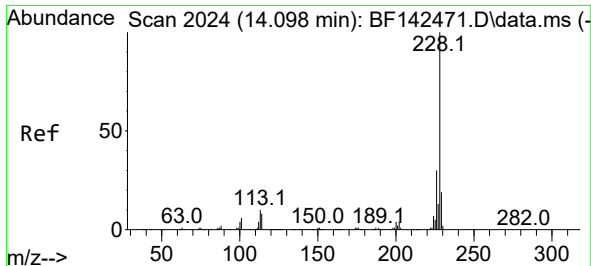


#81
 Benzo(a)anthracene
 Concen: 6.340 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142634.D
 Acq: 05 Jun 2025 15:06



Tgt Ion:228 Resp: 123096
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.2 31.8
 229 20.8 15.5 23.3





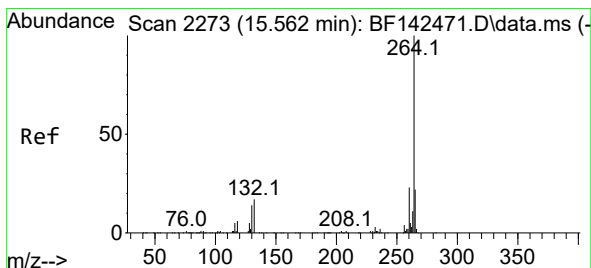
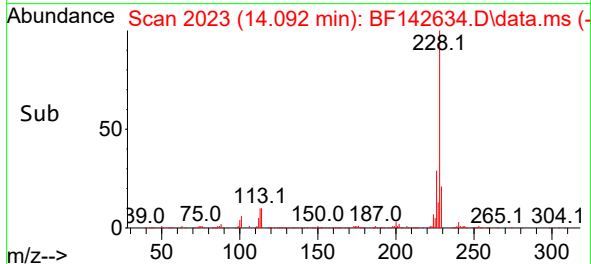
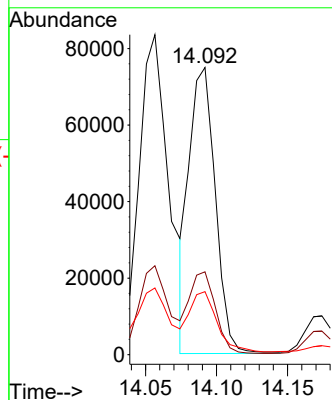
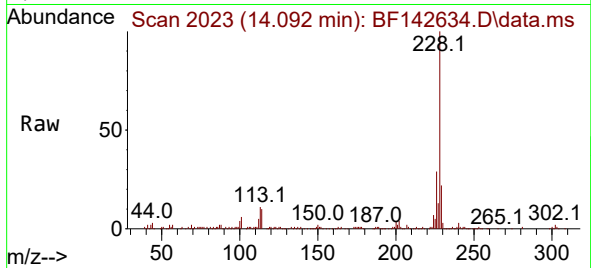
#83
Chrysene
Concen: 5.493 ng
RT: 14.092 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Instrument :
BNA_F
ClientSampleId :
VNJ-231

Tgt Ion:228 Resp: 95820
Ion Ratio Lower Upper
228 100
226 28.9 23.8 35.6
229 21.9 15.4 23.2

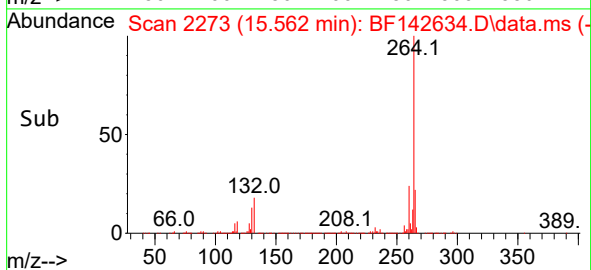
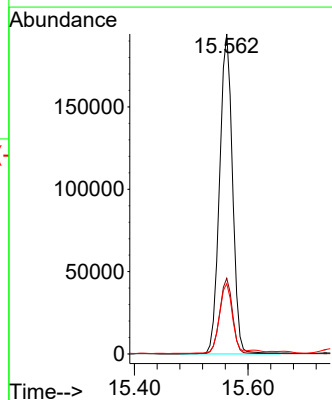
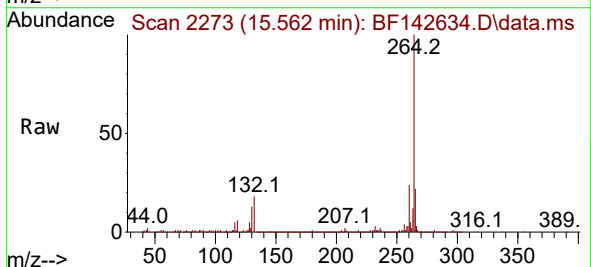
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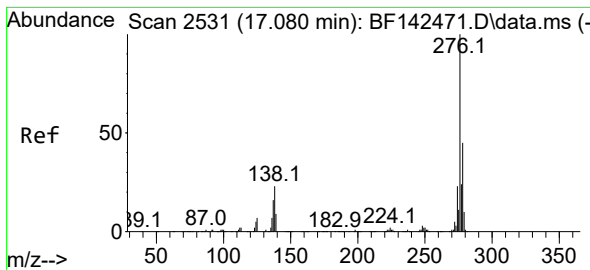
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

Tgt Ion:264 Resp: 308038
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 22.0 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.005 ng

RT: 17.062 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

Instrument :

BNA_F

ClientSampleId :

VNJ-231

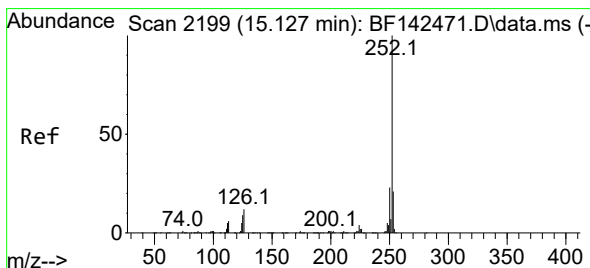
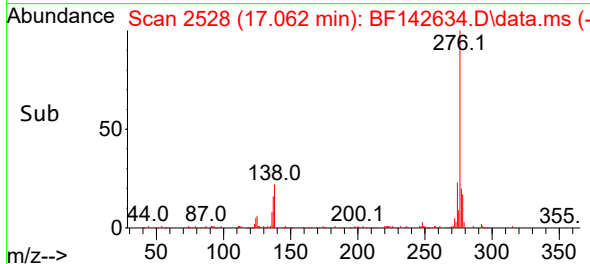
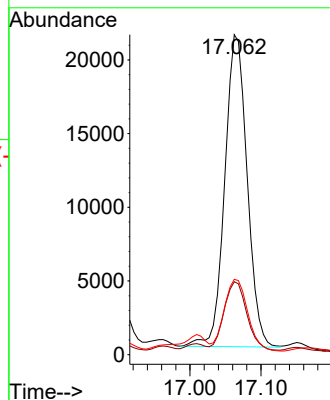
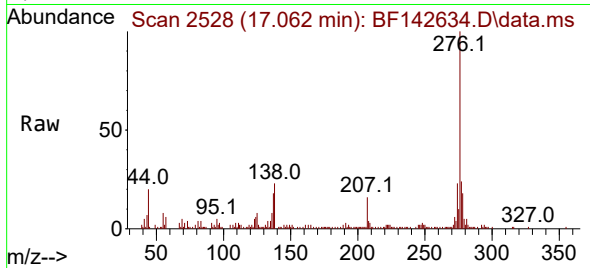
Tgt Ion:276 Resp: 46359
 Ion Ratio Lower Upper
 276 100
 138 22.3 19.9 29.9
 277 24.2 20.2 30.2

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#88

Benzo(b)fluoranthene

Concen: 8.805 ng m

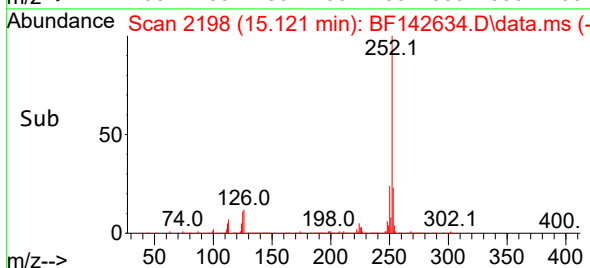
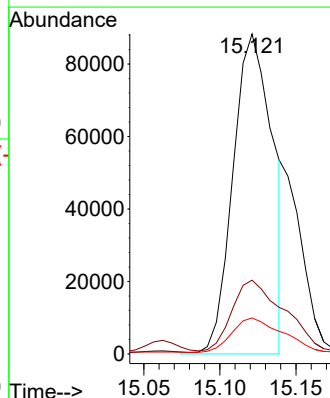
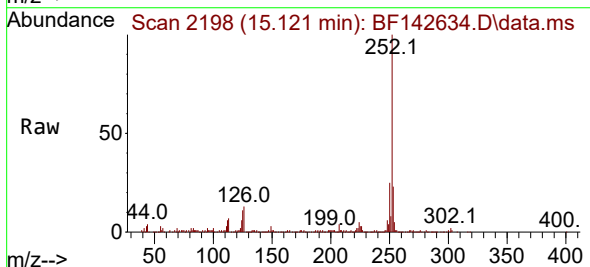
RT: 15.121 min Scan# 2198

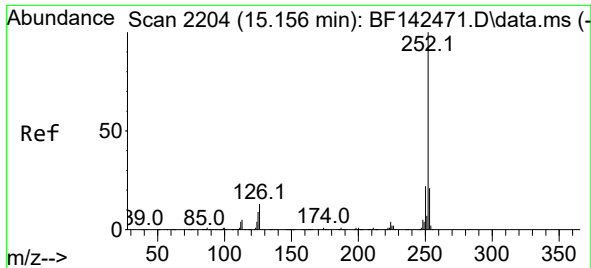
Delta R.T. -0.006 min

Lab File: BF142634.D

Acq: 05 Jun 2025 15:06

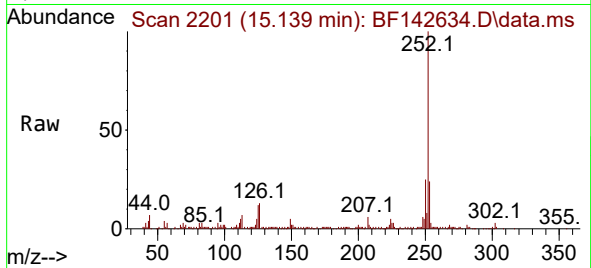
Tgt Ion:252 Resp: 160526
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.0 25.4
 125 11.3 7.4 11.0#





#89
Benzo(k)fluoranthene
Concen: 2.681 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

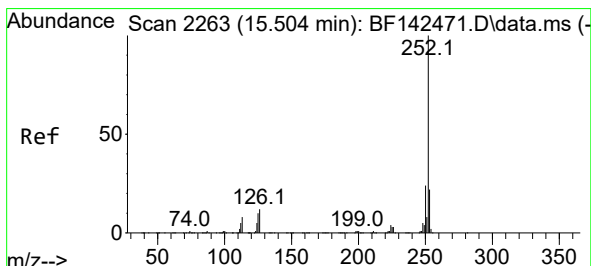
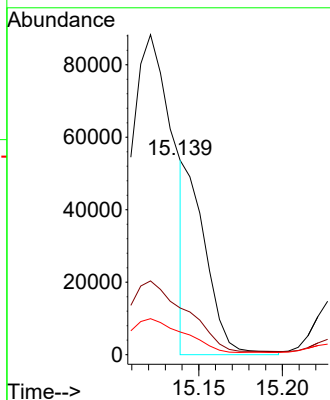
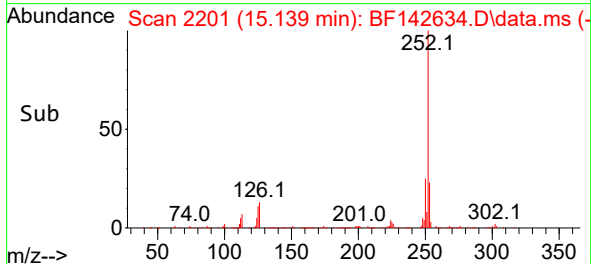
Instrument :
BNA_F
ClientSampleId :
VNJ-231



Tgt Ion:252 Resp: 45784
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.4
125 11.7 7.3 10.9

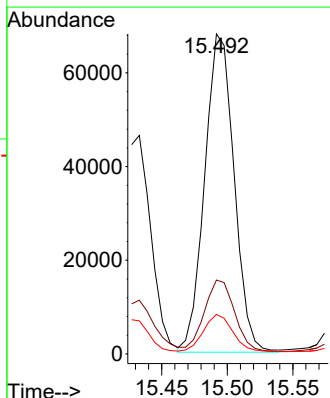
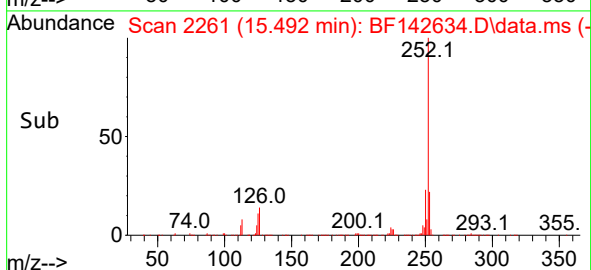
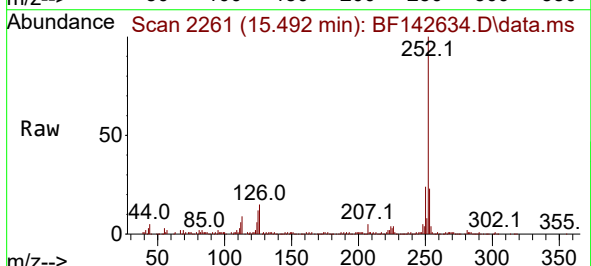
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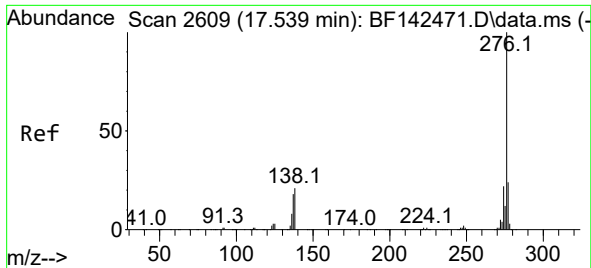
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#90
Benzo(a)pyrene
Concen: 6.170 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BF142634.D
Acq: 05 Jun 2025 15:06

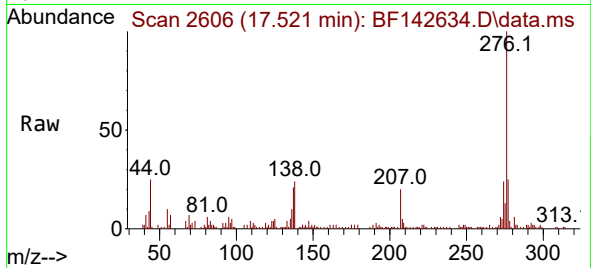
Tgt Ion:252 Resp: 106030
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 12.4 7.9 11.9





#92
 Benzo(g,h,i)perylene
 Concen: 2.167 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.035 min
 Lab File: BF142634.D
 Acq: 05 Jun 2025 15:06

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-231



Tgt Ion: 276 Resp: 40658
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.2 28.8
 138 23.7 16.8 25.2

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Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

