

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141647.D
 Acq On : 14 Feb 2025 18:41
 Operator : RC/JU
 Sample : Q1365-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/15/2025
 Supervised By :Jagrut Upadhyay 02/19/2025

Quant Time: Feb 14 22:06:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	93850	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	398785	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	215279	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	342040	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	199265	20.000	ng	-0.02
86) Perylene-d12	15.404	264	195856	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	434286	72.547	ng	0.00
7) Phenol-d6	6.422	99	535007	70.710	ng	-0.02
23) Nitrobenzene-d5	7.345	82	349974	45.774	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	135992	62.884	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	609395	43.611	ng	-0.01
79) Terphenyl-d14	12.892	244	517450	43.838	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	164234	8.723	ng	99
75) Fluoranthene	12.516	202	173526	8.693	ng	100
78) Pyrene	12.745	202	146779	8.653	ng	98
81) Benzo(a)anthracene	13.939	228	63354	4.783	ng	96
83) Chrysene	13.974	228	48105	3.933	ng	97
88) Benzo(b)fluoranthene	14.986	252	49442m	3.760	ng	
89) Benzo(k)fluoranthene	14.998	252	25973m	2.313	ng	
90) Benzo(a)pyrene	15.345	252	38981	3.663	ng	96
92) Benzo(g,h,i)perylene	17.274	276	21347	2.080	ng	100

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

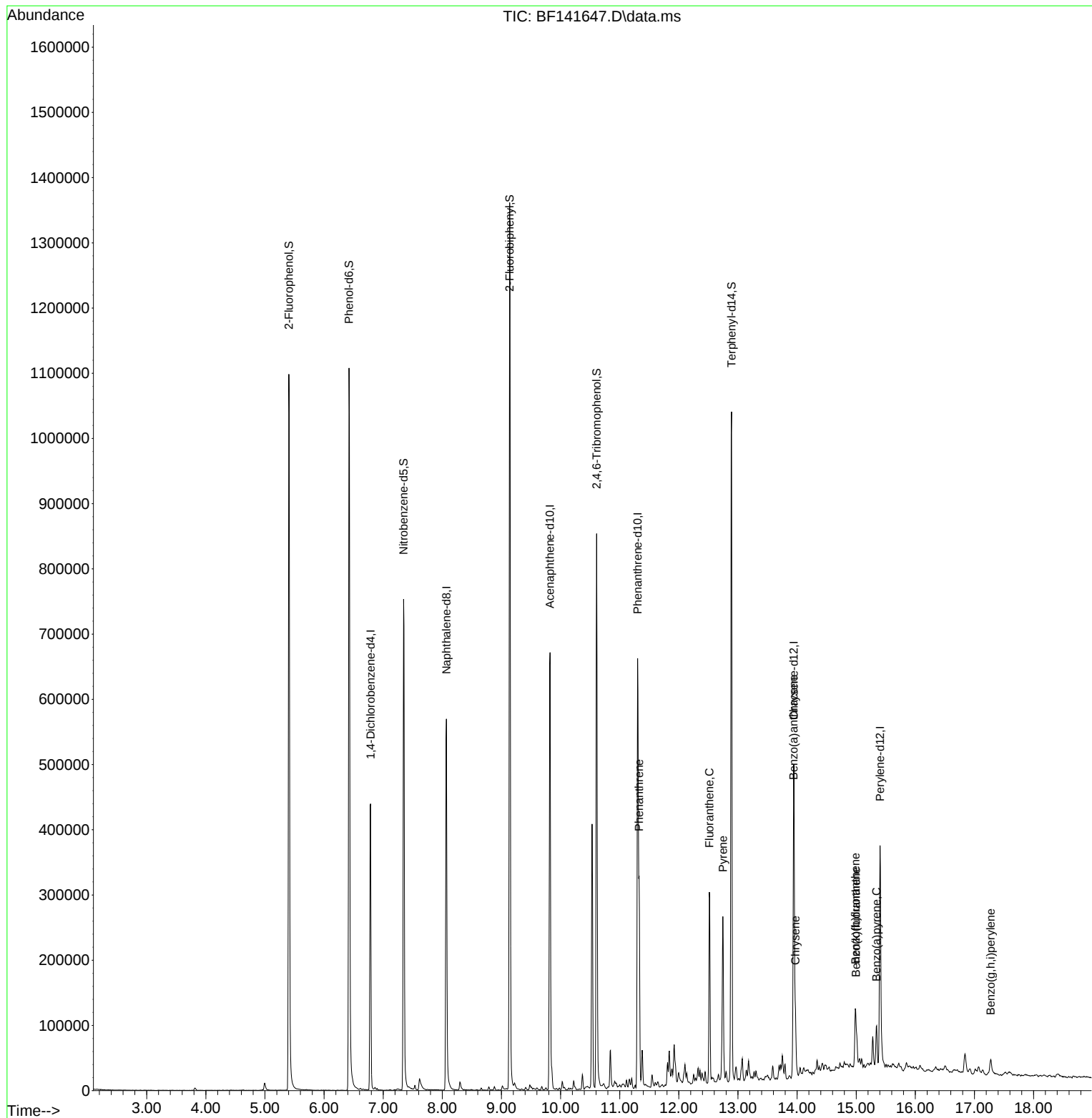
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
Data File : BF141647.D
Acq On : 14 Feb 2025 18:41
Operator : RC/JU
Sample : Q1365-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

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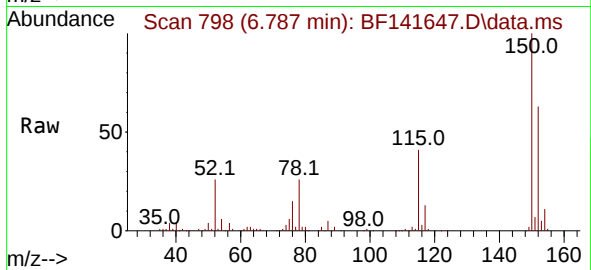
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

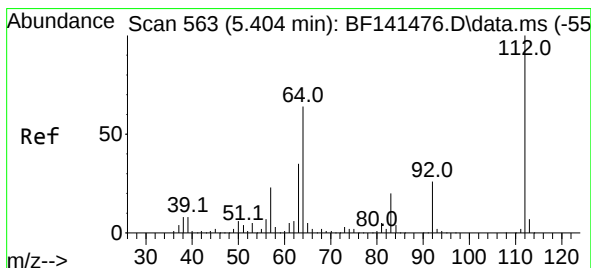
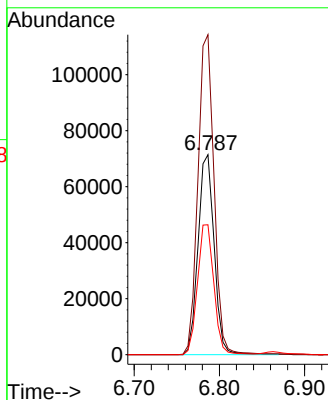
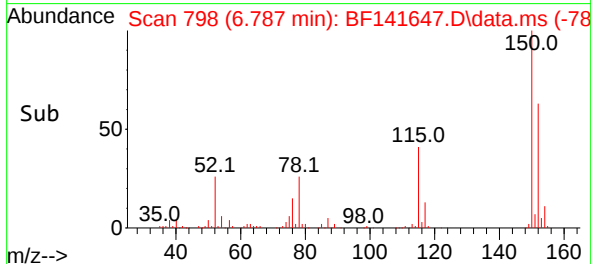
Instrument :
BNA_F
ClientSampleId :
VNJ-214



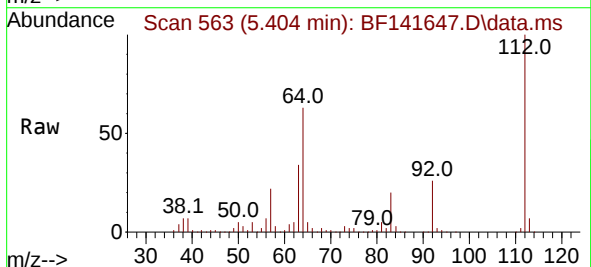
Tgt Ion:152 Resp: 93850
Ion Ratio Lower Upper
152 100
150 160.0 125.0 187.4
115 65.0 53.6 80.4

Manual Integrations
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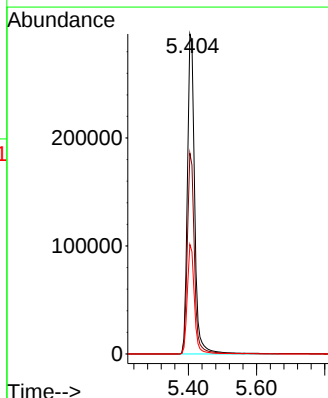
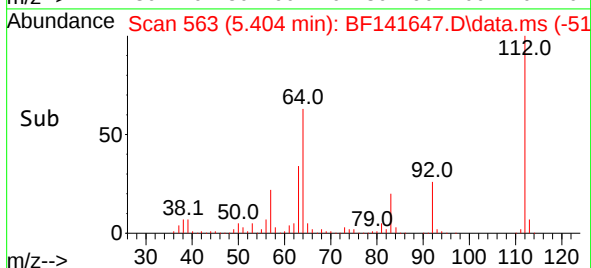
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025



#5
2-Fluorophenol
Concen: 72.547 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41



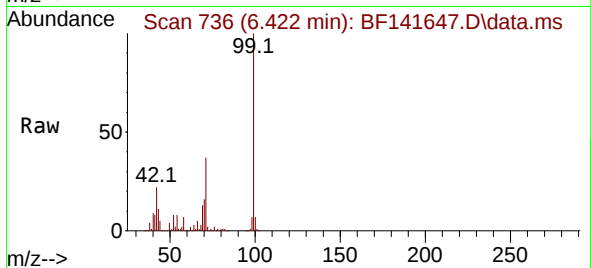
Tgt Ion:112 Resp: 434286
Ion Ratio Lower Upper
112 100
64 62.7 51.1 76.7
63 34.2 28.4 42.6





#7
Phenol-d6
Concen: 70.710 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

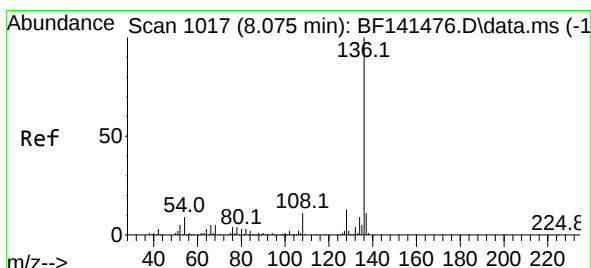
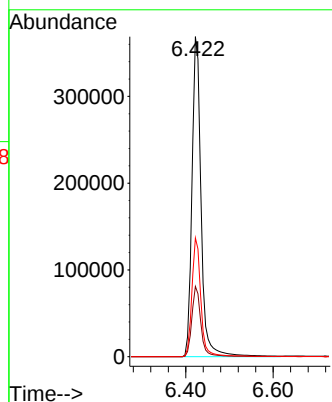
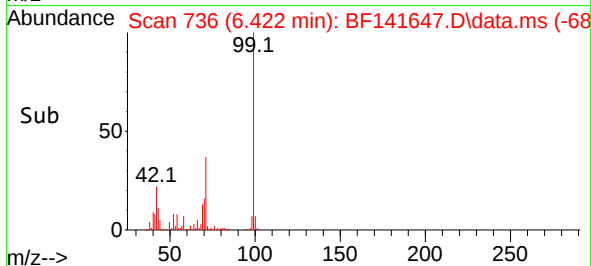
Instrument :
BNA_F
ClientSampleId :
VNJ-214



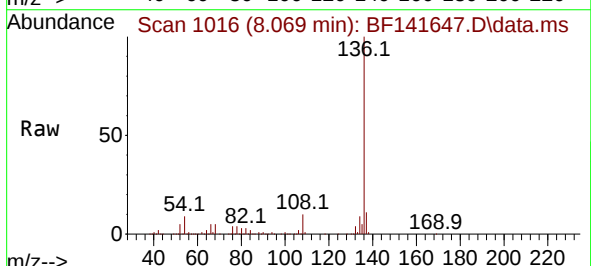
Tgt Ion: 99 Resp: 53500
Ion Ratio Lower Upper
99 100
42 21.9 19.1 28.7
71 37.1 31.1 46.7

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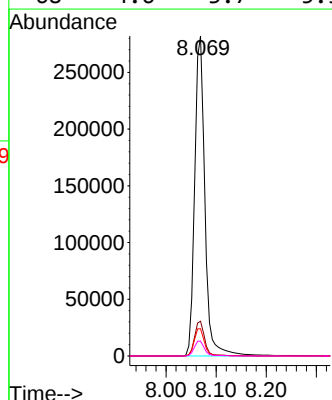
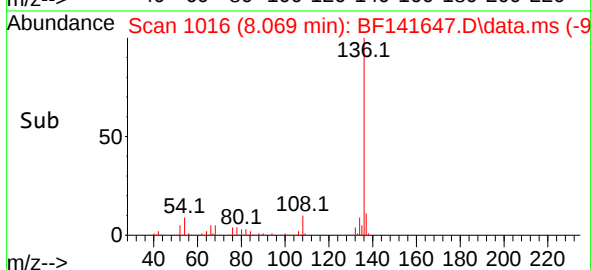
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

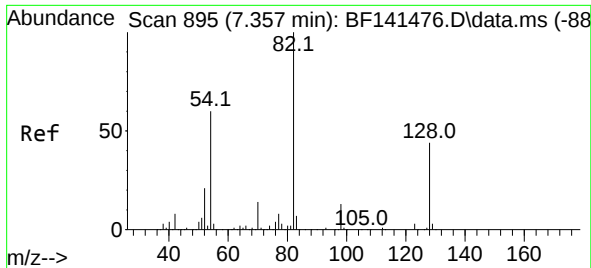


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41



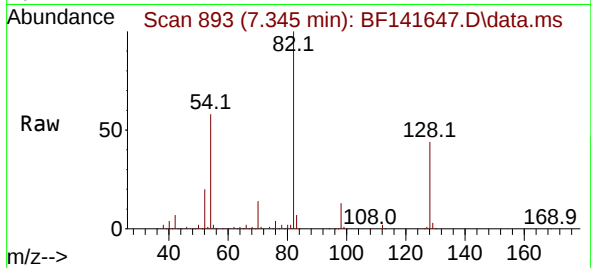
Tgt Ion:136 Resp: 398785
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.5 7.2 10.8
68 4.6 3.7 5.5





#23
Nitrobenzene-d5
Concen: 45.774 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

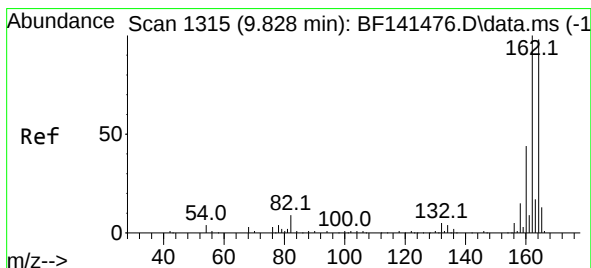
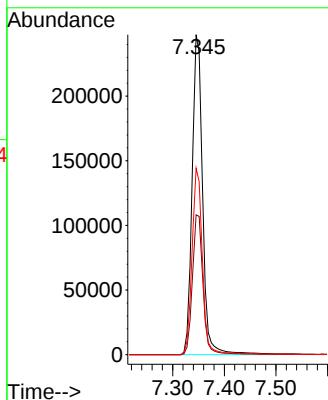
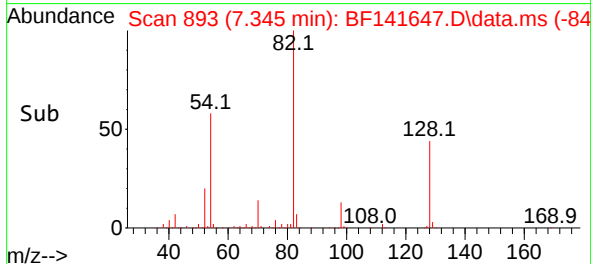
Instrument :
BNA_F
ClientSampleId :
VNJ-214



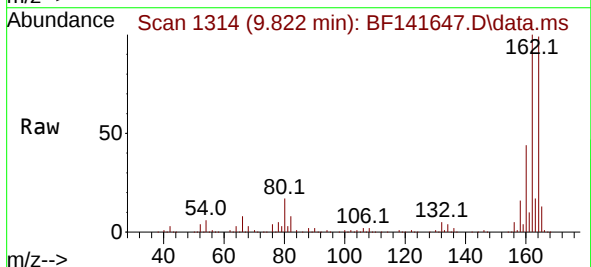
Tgt Ion: 82 Resp: 349974
Ion Ratio Lower Upper
82 100
128 43.7 34.8 52.2
54 58.3 48.2 72.4

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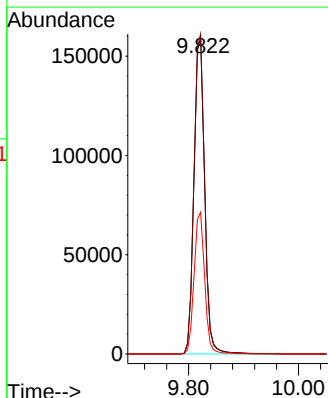
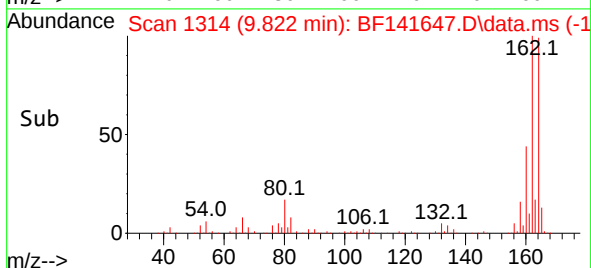
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

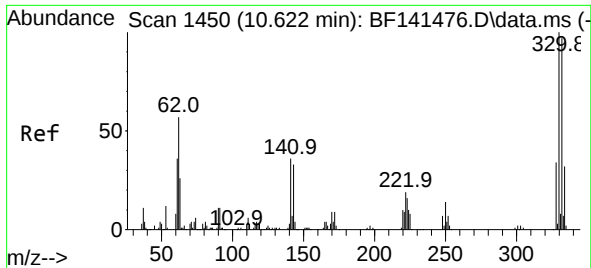


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41



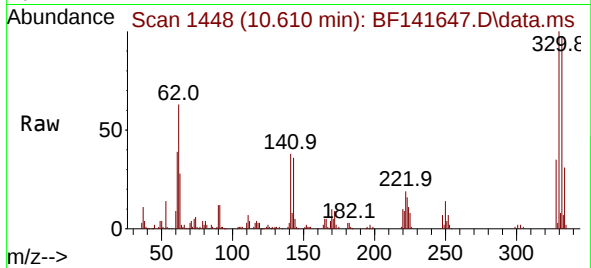
Tgt Ion:164 Resp: 215279
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 44.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 62.884 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

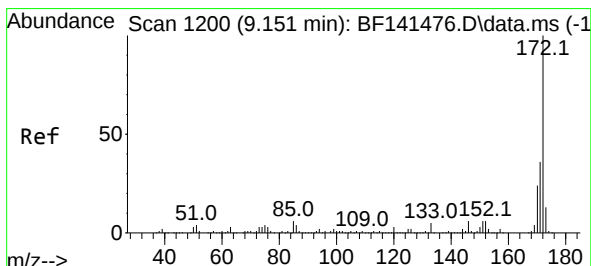
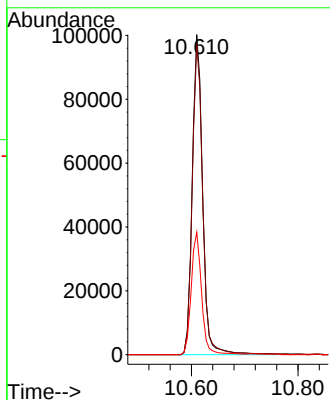
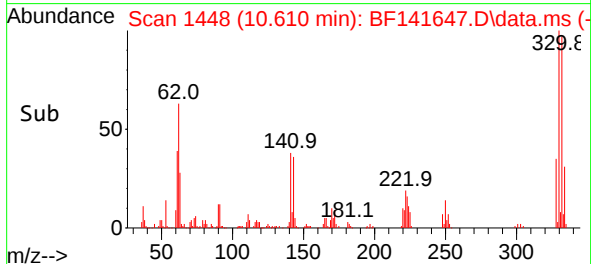
Instrument :
BNA_F
ClientSampleId :
VNJ-214



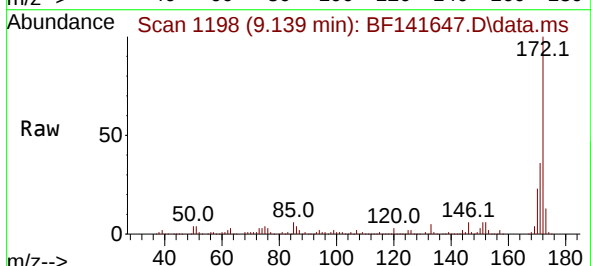
Tgt Ion: 330 Resp: 135992
Ion Ratio Lower Upper
330 100
332 97.6 78.5 117.7
141 38.2 31.0 46.4

Manual Integrations
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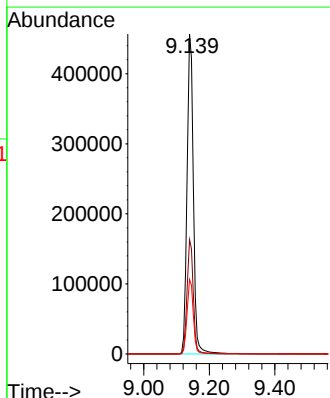
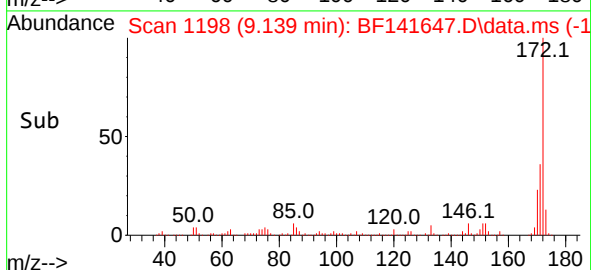
Reviewed By : Yogesh Patel 02/15/2025
Supervised By : Jagrut Upadhyay 02/19/2025



#45
2-Fluorobiphenyl
Concen: 43.611 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41



Tgt Ion: 172 Resp: 609395
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.3 18.9 28.3





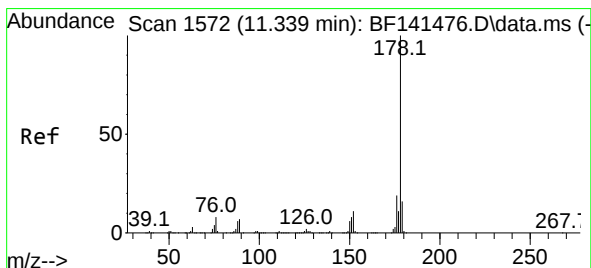
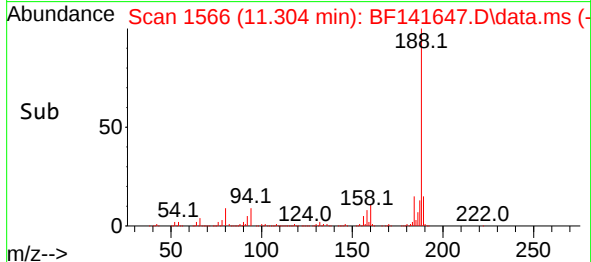
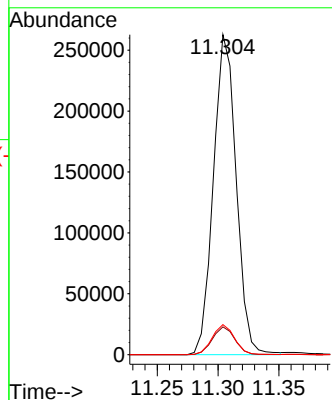
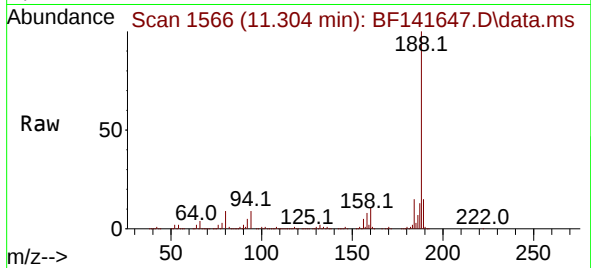
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:188 Resp: 342040
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.4 7.3 10.9

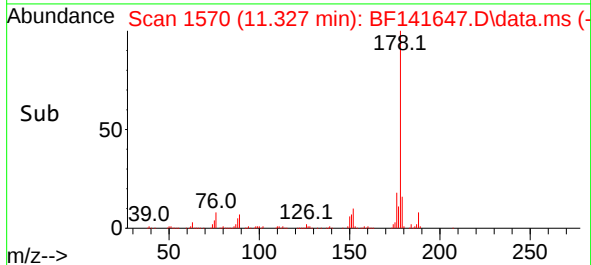
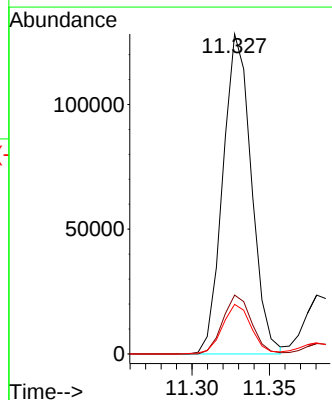
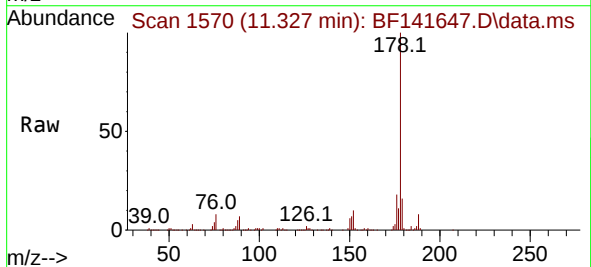
Manual Integrations
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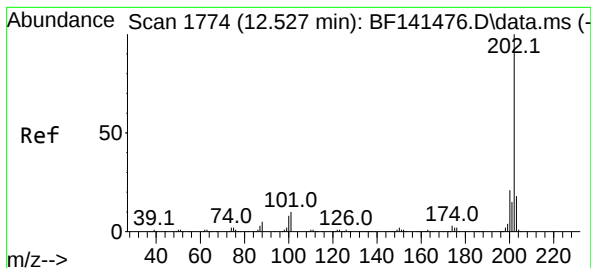
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025



#71
Phenanthrene
Concen: 8.723 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

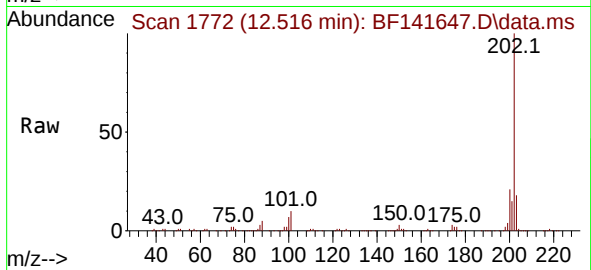
Tgt Ion:178 Resp: 164234
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 8.693 ng
RT: 12.516 min Scan# 1772
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

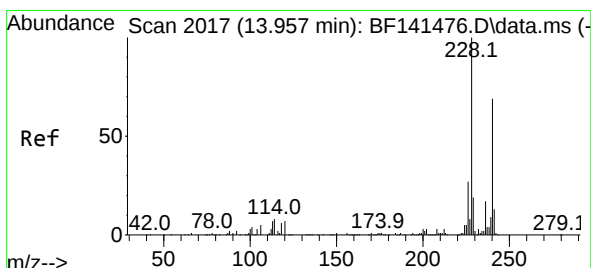
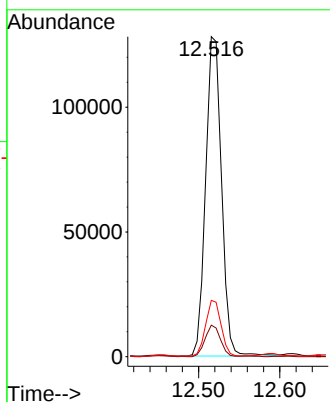
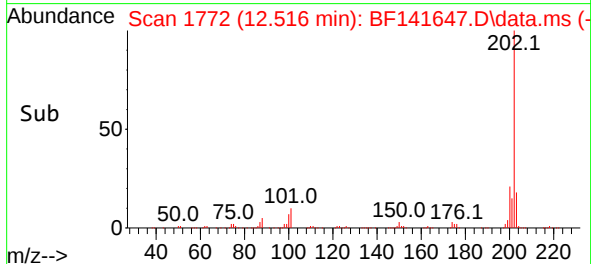
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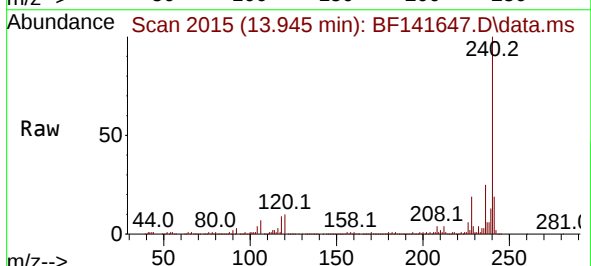
Tgt Ion:202 Resp: 173520
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.6 0.0 37.6

Manual Integrations
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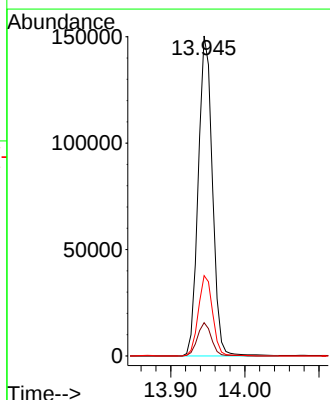
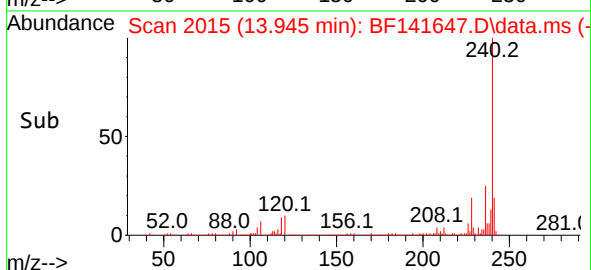
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

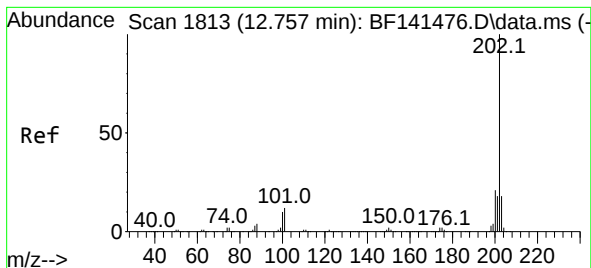


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41



Tgt Ion:240 Resp: 199265
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 25.1 19.8 29.8





#78

Pyrene

Concen: 8.653 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

Tgt Ion:202 Resp: 146779

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

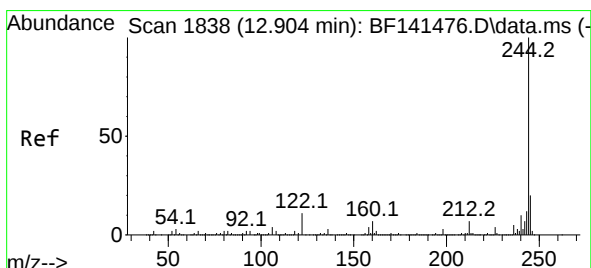
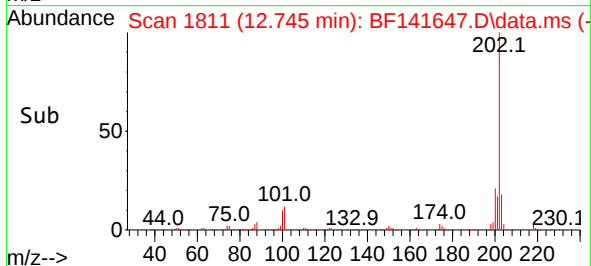
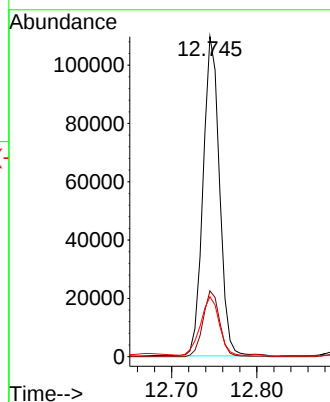
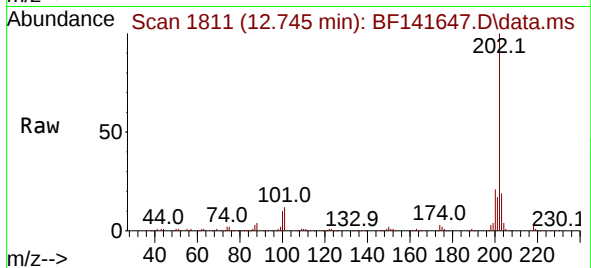
203 18.8 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/15/2025

Supervised By :Jagrut Upadhyay 02/19/2025



#79

Terphenyl-d14

Concen: 43.838 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

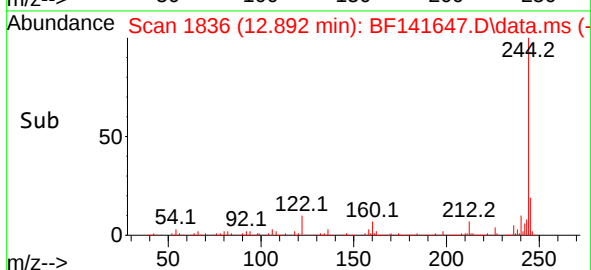
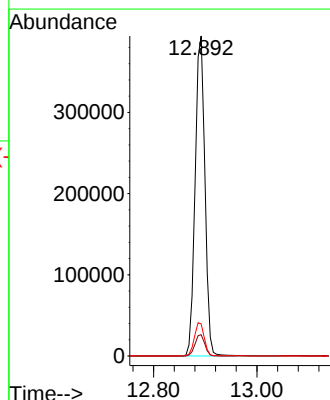
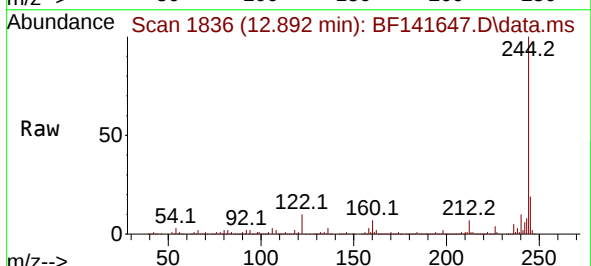
Tgt Ion:244 Resp: 517450

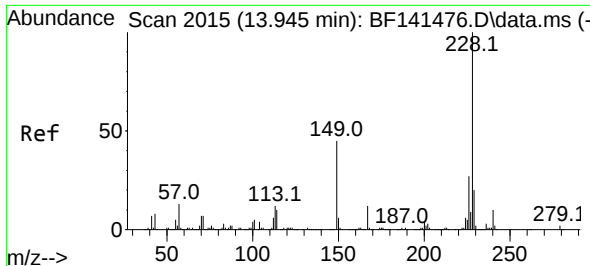
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

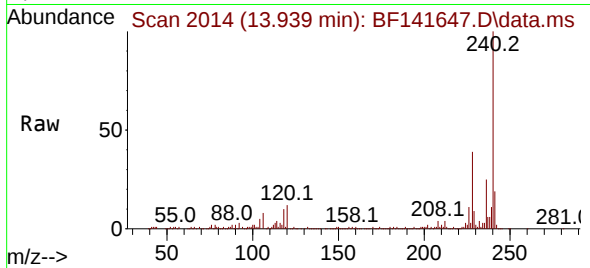
122 10.0 8.4 12.6





#81
Benzo(a)anthracene
Concen: 4.783 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

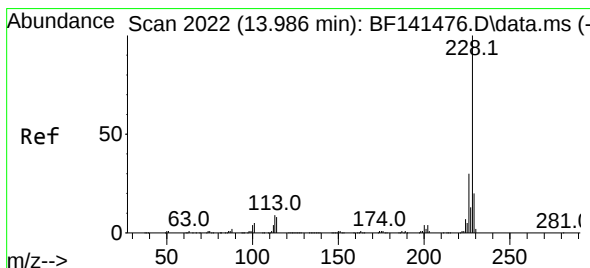
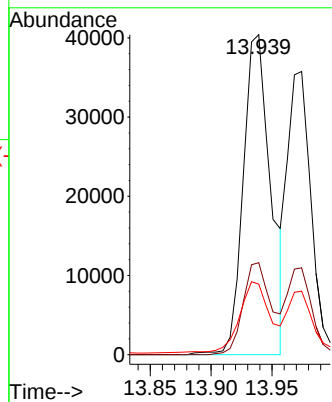
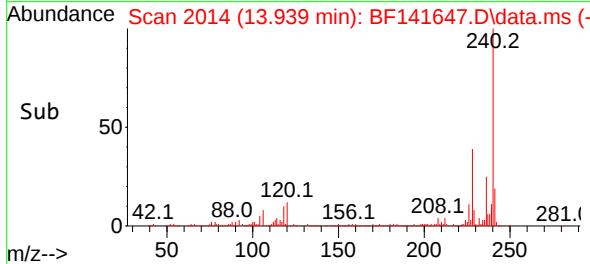
Instrument :
BNA_F
ClientSampleId :
VNJ-214



Tgt Ion:228 Resp: 63354
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.8
229 22.0 15.8 23.6

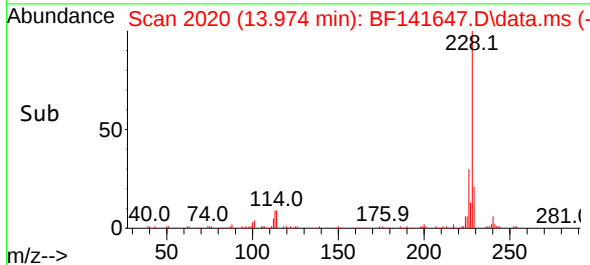
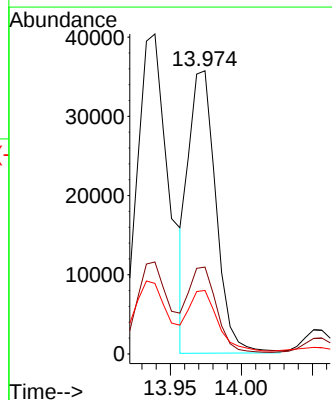
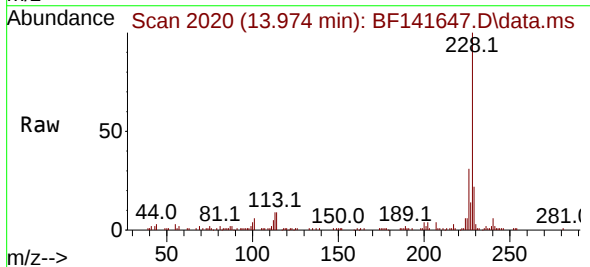
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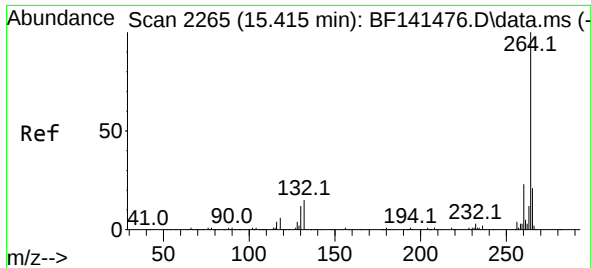
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025



#83
Chrysene
Concen: 3.933 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

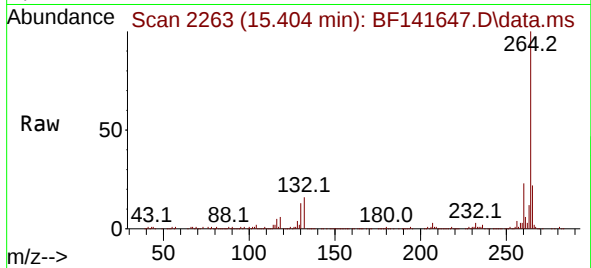
Tgt Ion:228 Resp: 48105
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 22.4 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

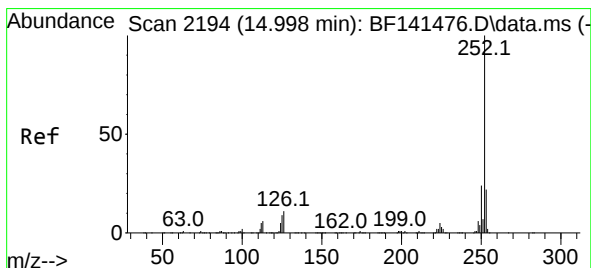
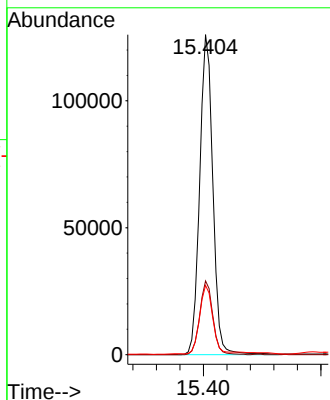
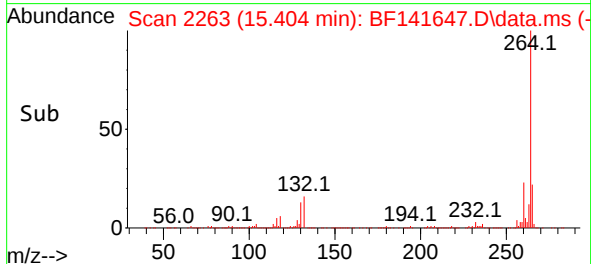
Instrument :
BNA_F
ClientSampleId :
VNJ-214



Tgt Ion:264 Resp: 195850
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 21.7 17.0 25.4

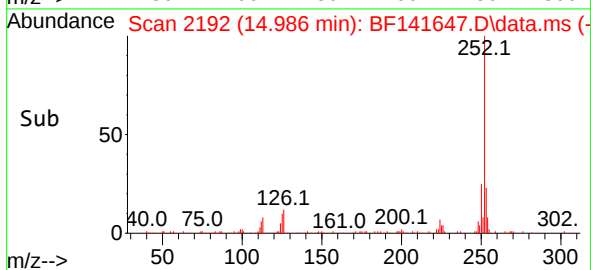
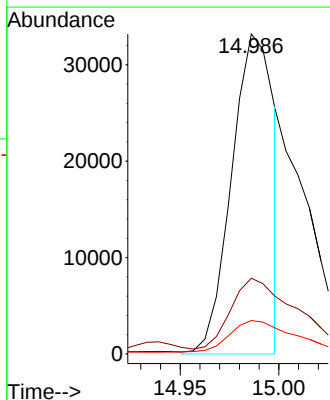
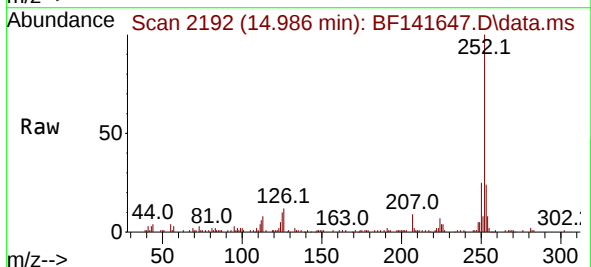
Manual Integrations
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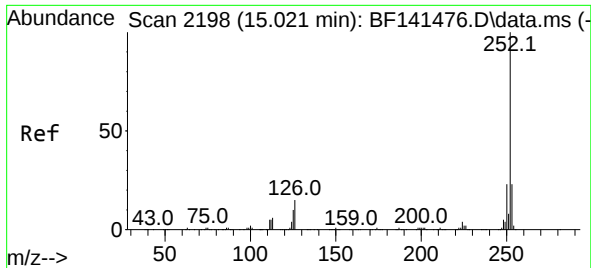
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025



#88
Benzo(b)fluoranthene
Concen: 3.760 ng m
RT: 14.986 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Tgt Ion:252 Resp: 49442
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 10.5 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 2.313 ng m

RT: 14.998 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

Tgt Ion:252 Resp: 2597

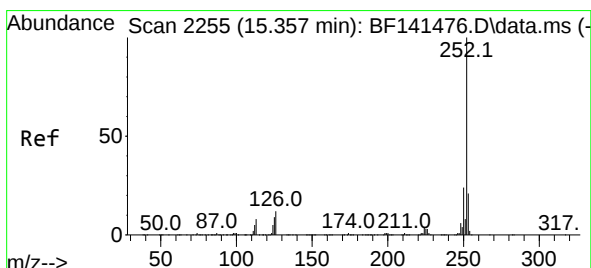
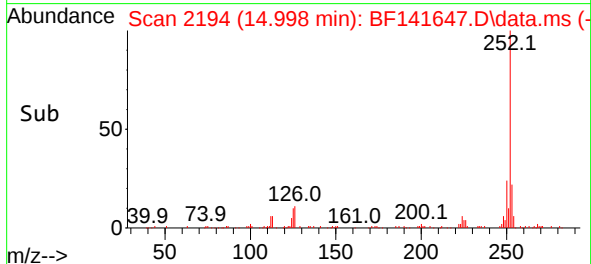
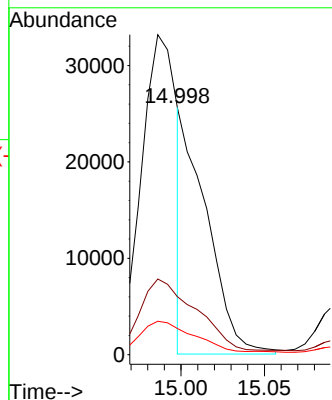
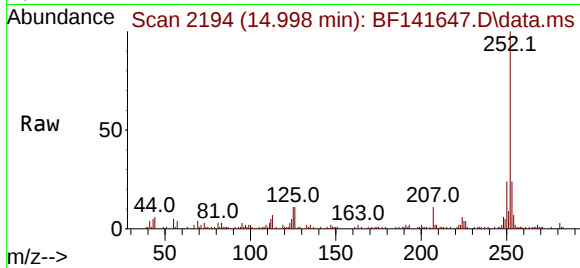
Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	10.6	7.4	11.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/15/2025

Supervised By :Jagrut Upadhyay 02/19/2025



#90

Benzo(a)pyrene

Concen: 3.663 ng

RT: 15.345 min Scan# 2253

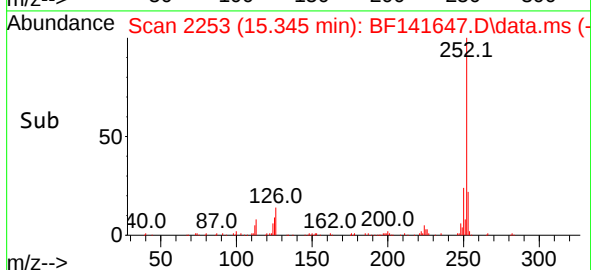
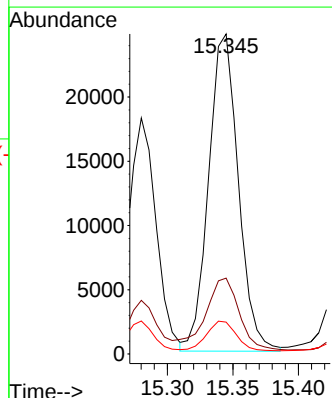
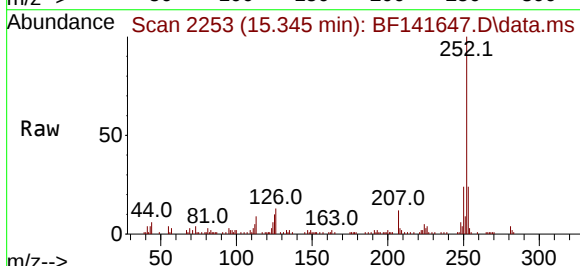
Delta R.T. -0.018 min

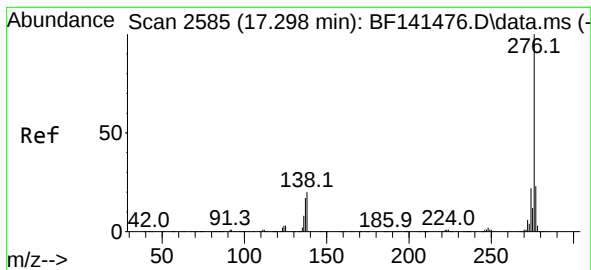
Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Tgt Ion:252 Resp: 38981

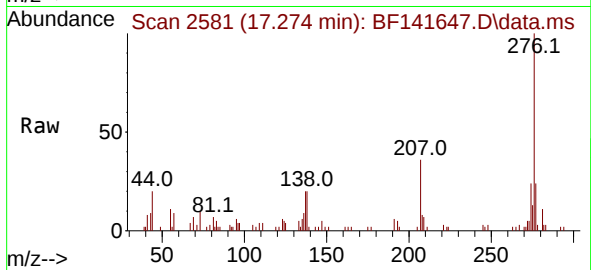
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	9.9	7.4	11.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.080 ng
 RT: 17.274 min Scan# 2134
 Delta R.T. -0.041 min
 Lab File: BF141647.D
 Acq: 14 Feb 2025 18:41

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214



Tgt Ion: 276 Resp: 2134
 Ion Ratio Lower Upper
 276 100
 277 23.6 18.6 28.0
 138 19.8 15.9 23.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/15/2025
 Supervised By :Jagrut Upadhyay 02/19/2025

