

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141646.D
 Acq On : 14 Feb 2025 18:15
 Operator : RC/JU
 Sample : Q1365-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-213

Manual Integrations
 APPROVED

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

Quant Time: Feb 14 22:05:42 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	90249	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	373766	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	207159	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	355207	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	218380	20.000	ng	-0.02
86) Perylene-d12	15.404	264	183650	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	441342	76.667	ng	0.00
7) Phenol-d6	6.422	99	543418	74.687	ng	-0.02
23) Nitrobenzene-d5	7.345	82	354867	49.521	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	142628	68.538	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	652693	48.541	ng	-0.01
79) Terphenyl-d14	12.892	244	641585	49.597	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	59667	3.052	ng	99
75) Fluoranthene	12.521	202	92287	4.452	ng	99
78) Pyrene	12.745	202	78361	4.215	ng	97
81) Benzo(a)anthracene	13.939	228	35218	2.426	ng	96
88) Benzo(b)fluoranthene	14.986	252	27195m	2.205	ng	

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

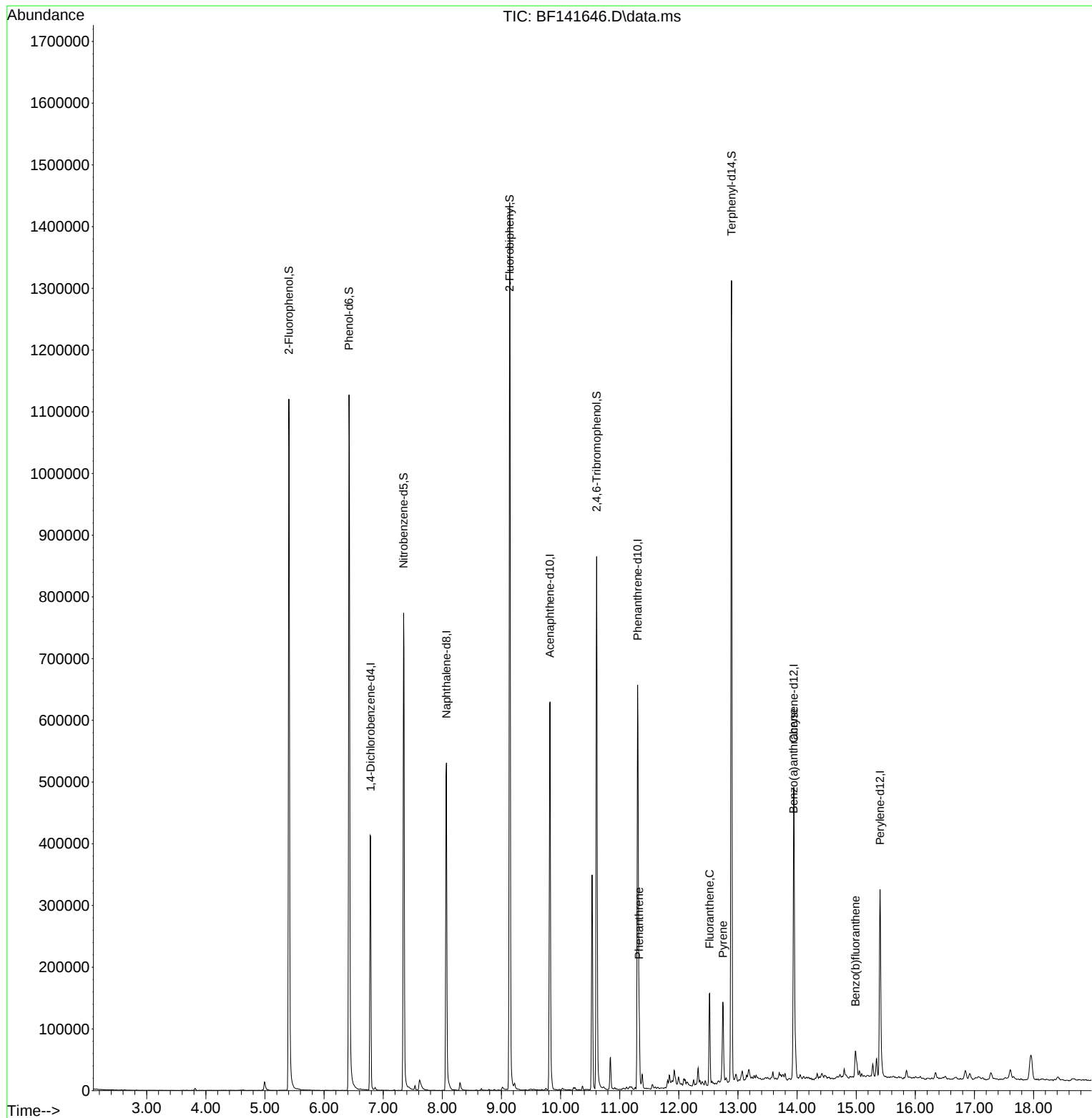
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
Data File : BF141646.D
Acq On : 14 Feb 2025 18:15
Operator : RC/JU
Sample : Q1365-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

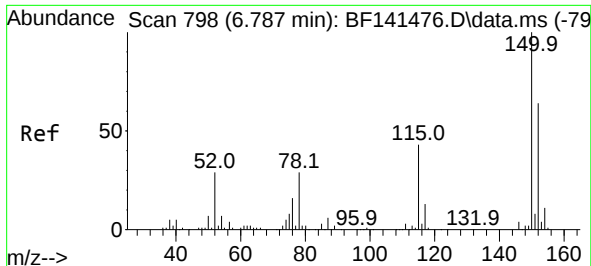
Instrument :
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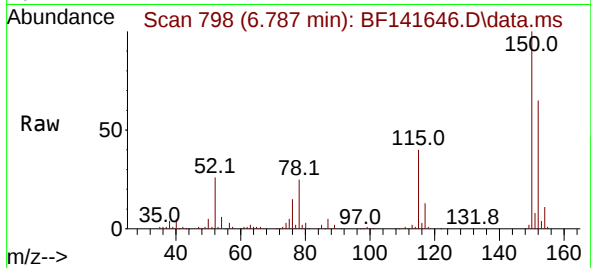
Quant Time: Feb 14 22:05:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

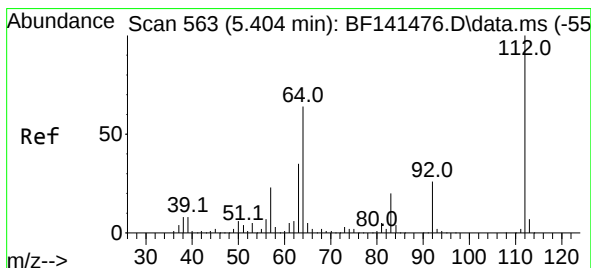
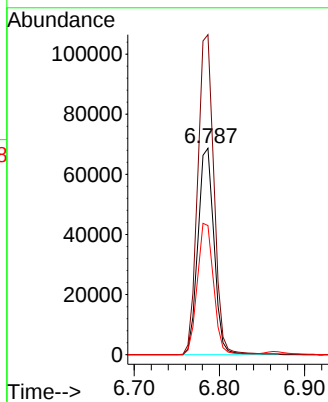
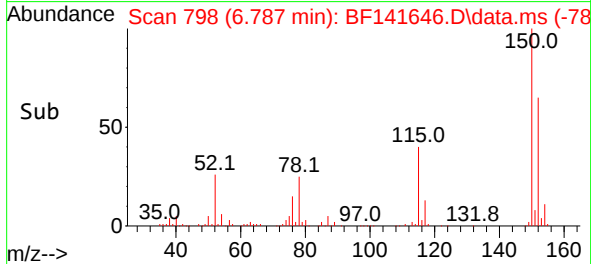
Instrument :
BNA_F
ClientSampleId :
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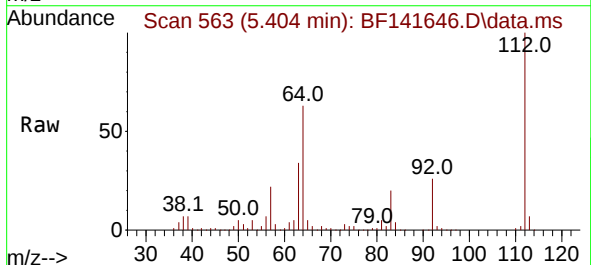
Tgt Ion:152 Resp: 90249
Ion Ratio Lower Upper
152 100
150 155.0 125.0 187.4
115 62.5 53.6 80.4

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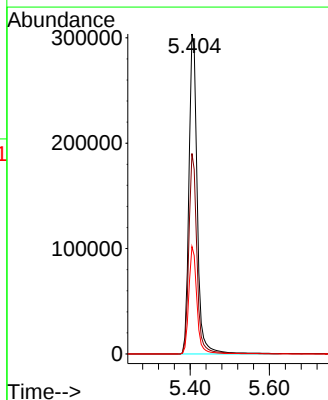
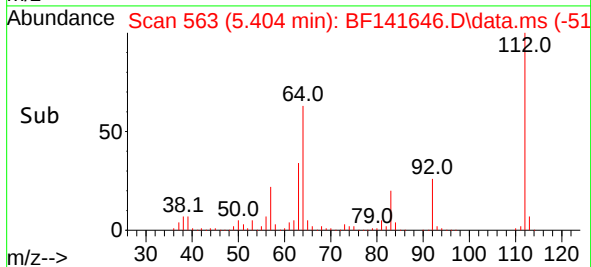
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

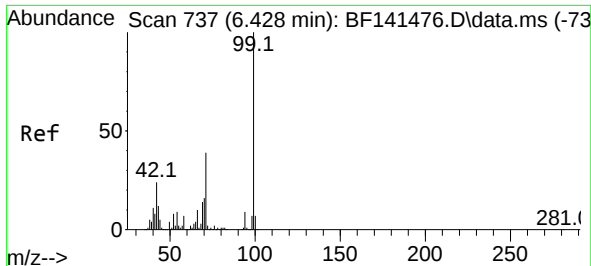


#5
2-Fluorophenol
Concen: 76.667 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15



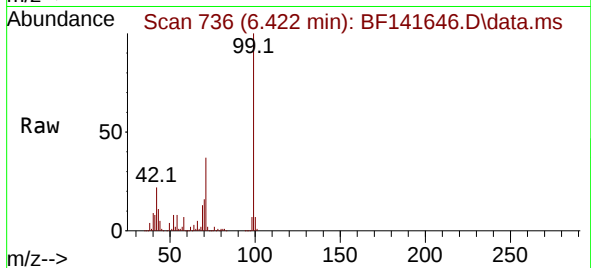
Tgt Ion:112 Resp: 441342
Ion Ratio Lower Upper
112 100
64 62.7 51.1 76.7
63 33.6 28.4 42.6





#7
Phenol-d6
Concen: 74.687 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

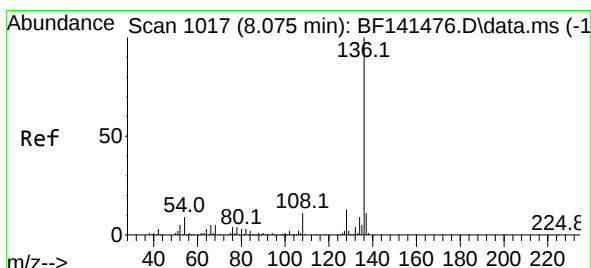
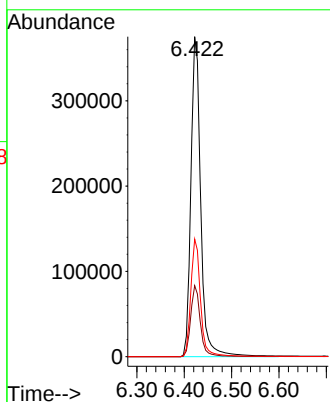
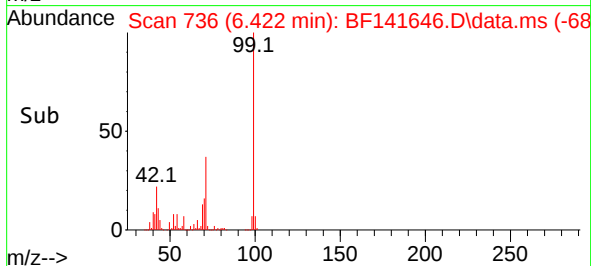
Instrument :
BNA_F
ClientSampleId :
VNJ-213



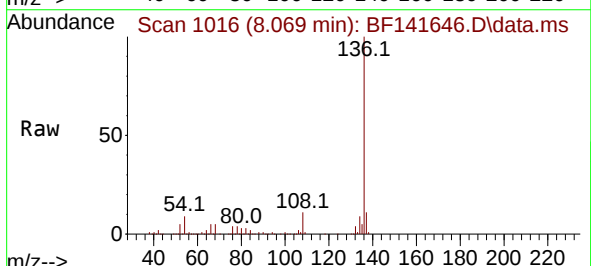
Tgt Ion: 99 Resp: 543418
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 36.8 31.1 46.7

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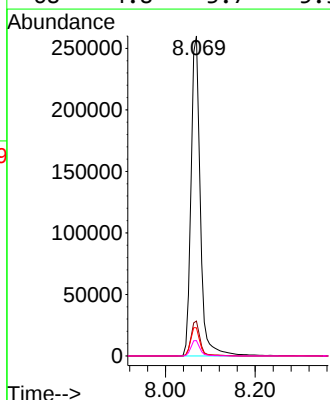
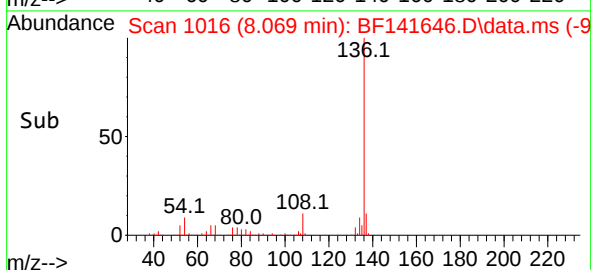
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

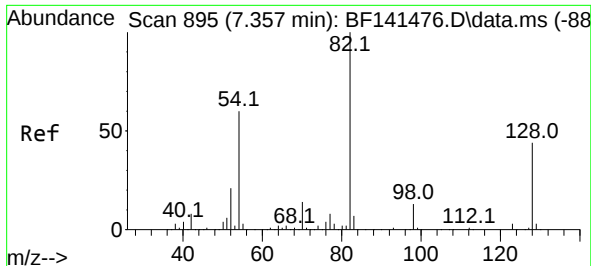


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15



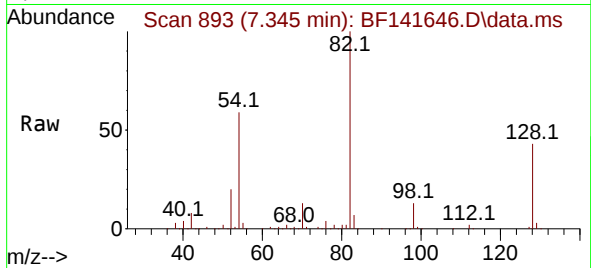
Tgt Ion:136 Resp: 373766
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 7.2 10.8
68 4.8 3.7 5.5





#23
Nitrobenzene-d5
Concen: 49.521 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

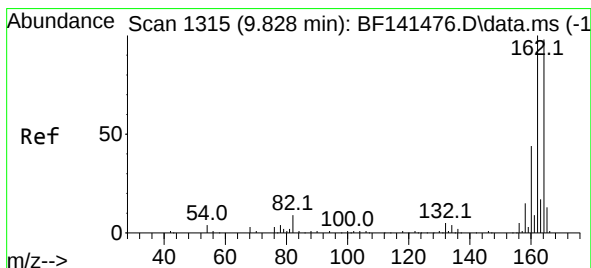
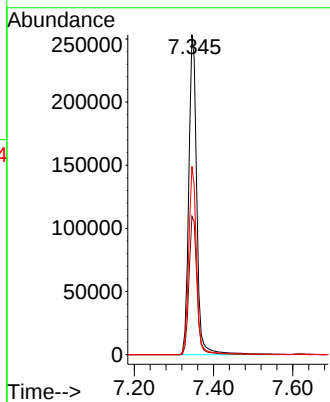
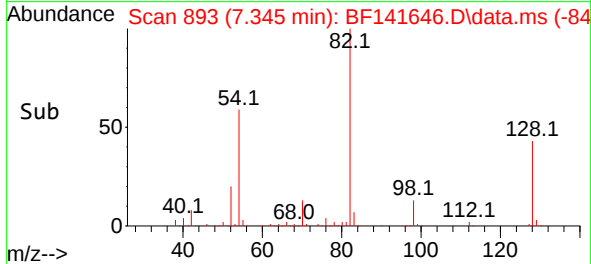
Instrument :
BNA_F
ClientSampleId :
VNJ-213



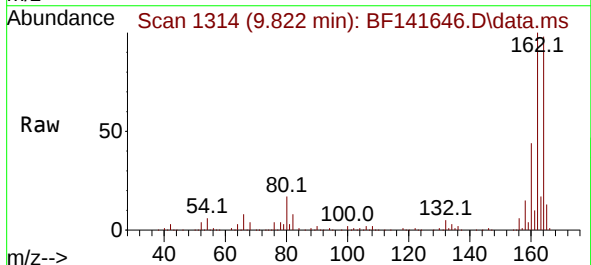
Tgt Ion: 82 Resp: 35486
Ion Ratio Lower Upper
82 100
128 43.2 34.8 52.2
54 58.8 48.2 72.4

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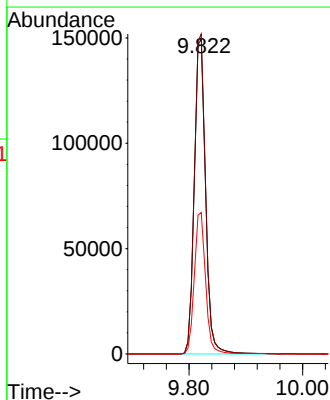
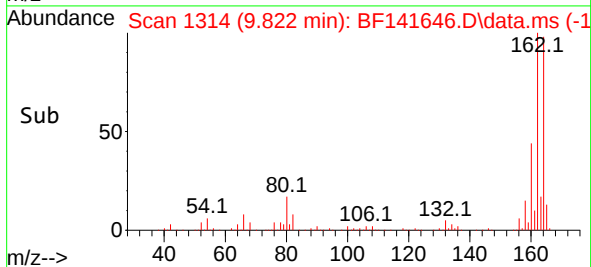
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

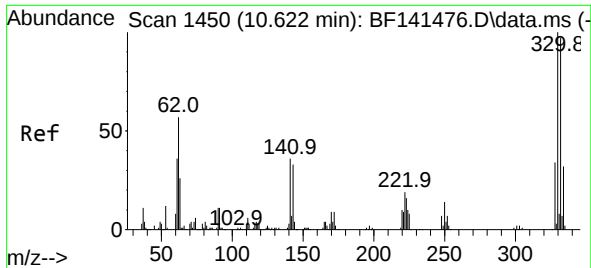


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15



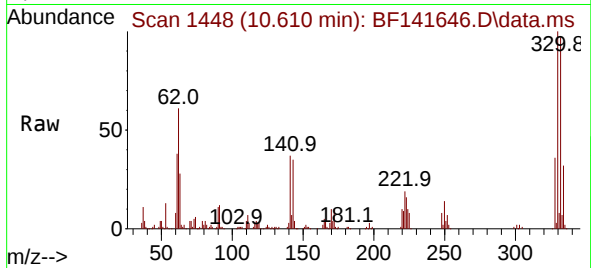
Tgt Ion:164 Resp: 207159
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.9 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 68.538 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

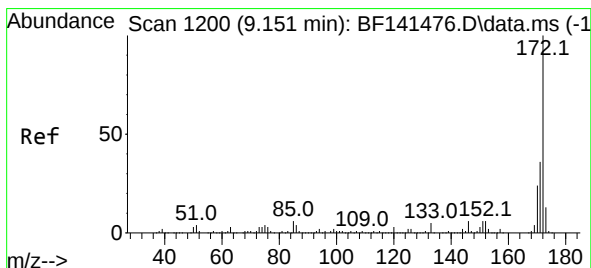
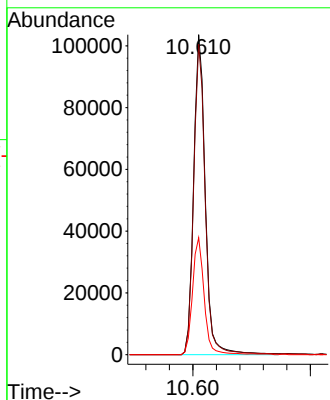
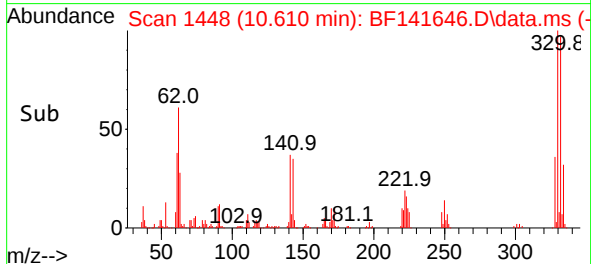
Instrument :
BNA_F
ClientSampleId :
VNJ-213



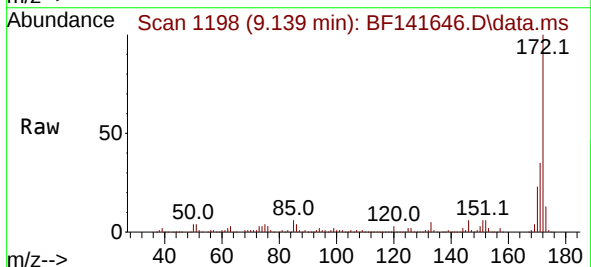
Tgt Ion: 330 Resp: 142628
Ion Ratio Lower Upper
330 100
332 96.6 78.5 117.7
141 36.5 31.0 46.4

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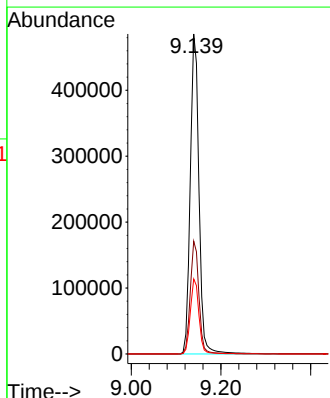
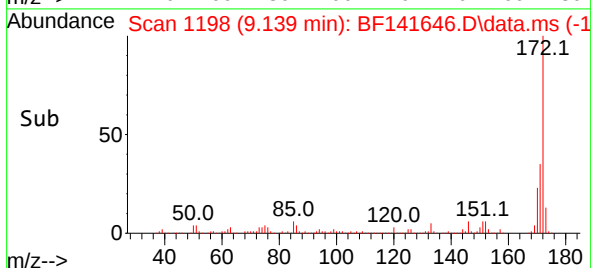
Reviewed By : Yogesh Patel 02/15/2025
Supervised By : Jagrut Upadhyay 02/19/2025

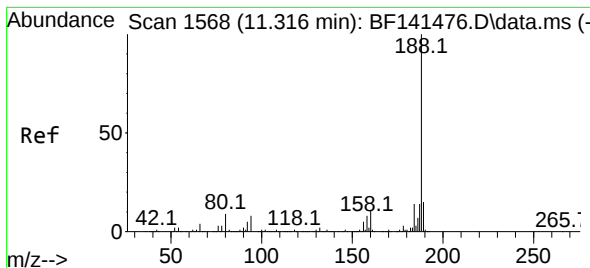


#45
2-Fluorobiphenyl
Concen: 48.541 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15



Tgt Ion: 172 Resp: 652693
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.5 18.9 28.3





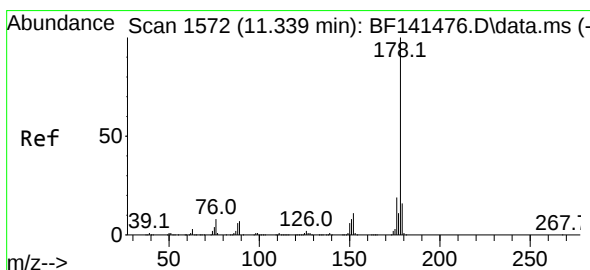
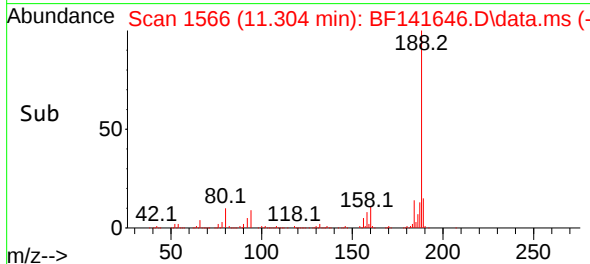
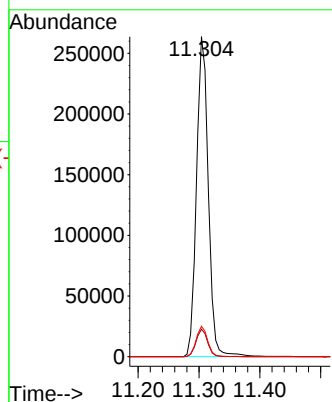
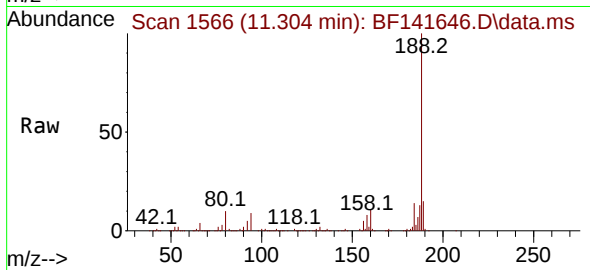
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:188 Resp: 35520
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.5 7.3 10.9

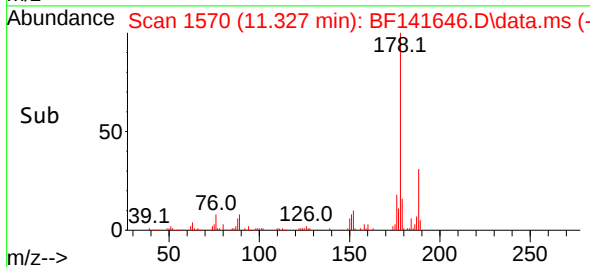
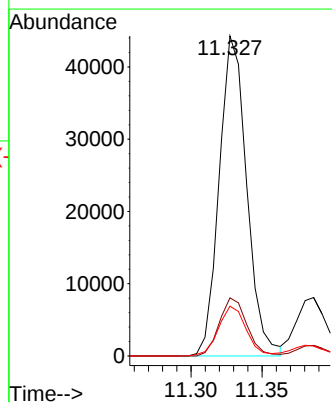
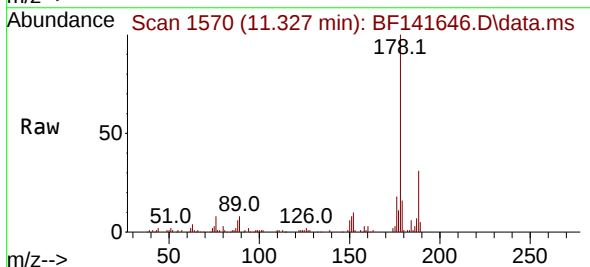
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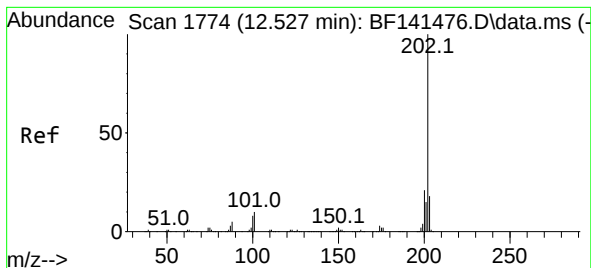
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025



#71
Phenanthrene
Concen: 3.052 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Tgt Ion:178 Resp: 59667
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 15.6 12.4 18.6





#75

Fluoranthene

Concen: 4.452 ng

RT: 12.521 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

VNJ-213

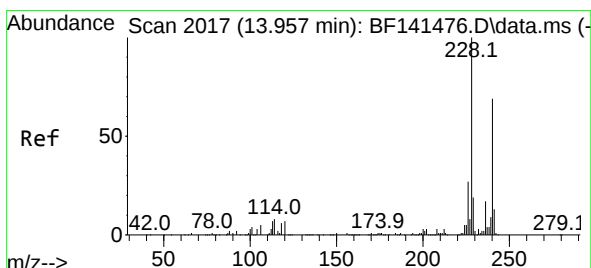
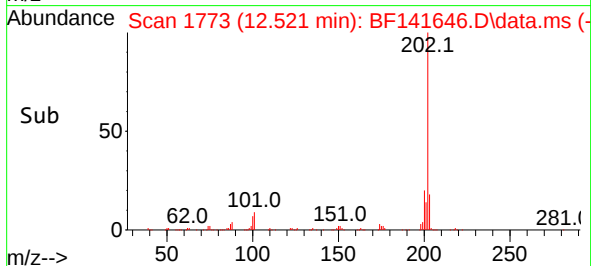
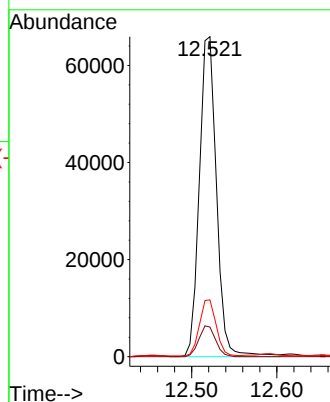
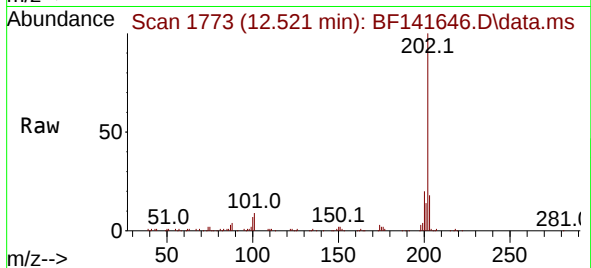
Tgt Ion:	202	Resp:	9228
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	30.2
203	17.8	0.0	37.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/19/2025



#76

Chrysene-d12

Concen: 20.000 ng

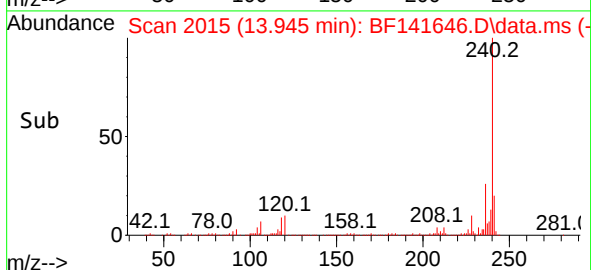
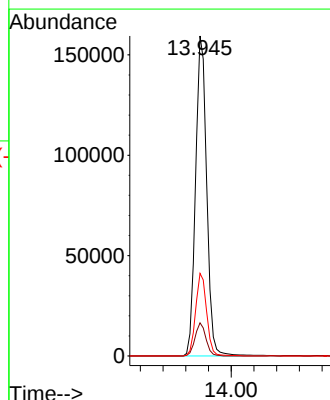
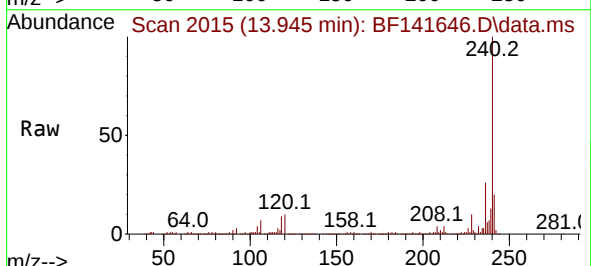
RT: 13.945 min Scan# 2015

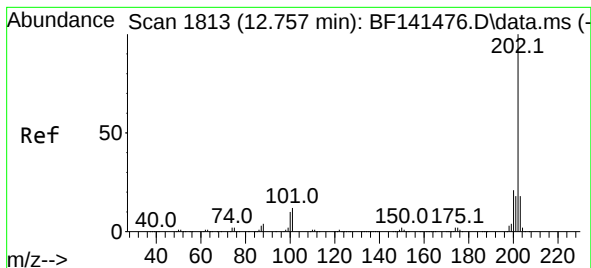
Delta R.T. -0.018 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

Tgt Ion:	240	Resp:	218380
Ion Ratio	Lower	Upper	
240	100		
120	10.4	8.0	12.0
236	25.8	19.8	29.8





#78

Pyrene

Concen: 4.215 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

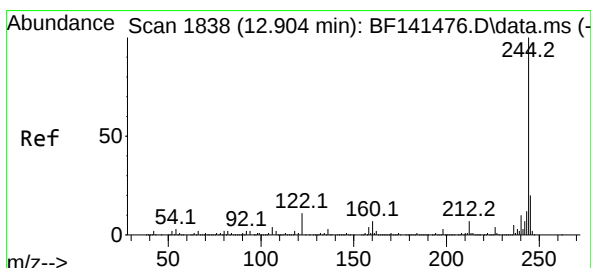
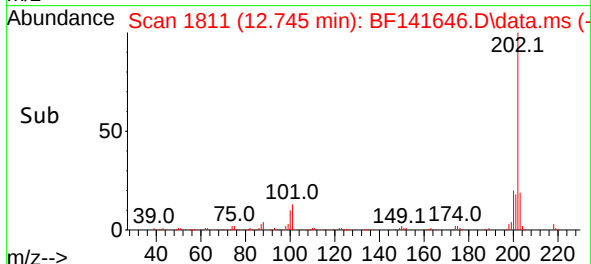
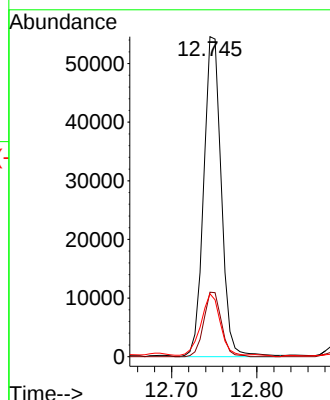
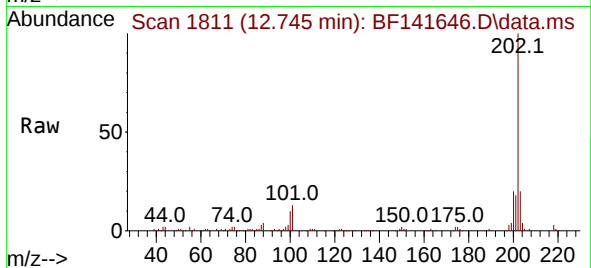
VNJ-213

Tgt Ion:202 Resp: 7836
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.0 25.4
 203 19.6 14.3 21.5

Manual Integrations

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#79

Terphenyl-d14

Concen: 49.597 ng

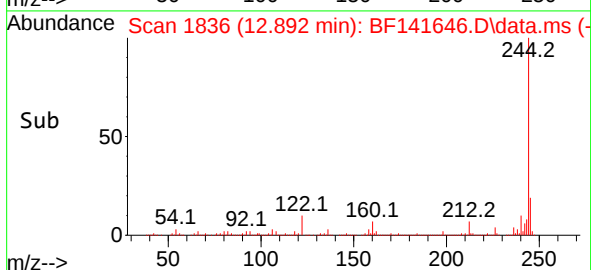
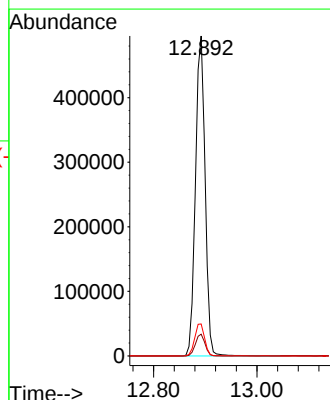
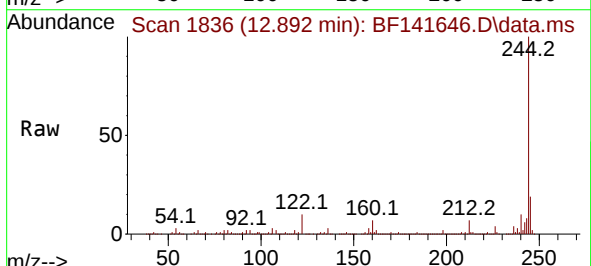
RT: 12.892 min Scan# 1836

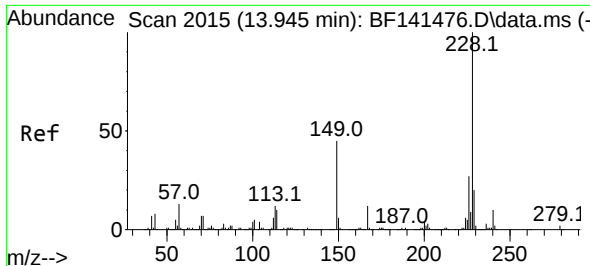
Delta R.T. -0.012 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

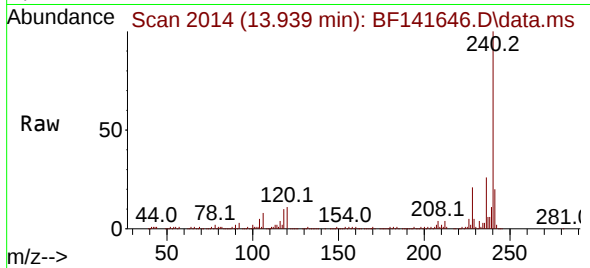
Tgt Ion:244 Resp: 641585
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.0 8.4 12.6





#81
Benzo(a)anthracene
Concen: 2.426 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

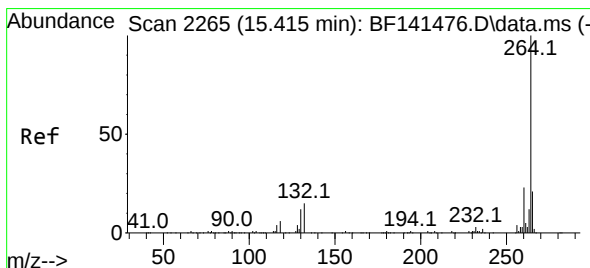
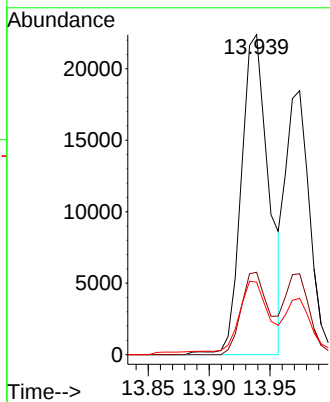
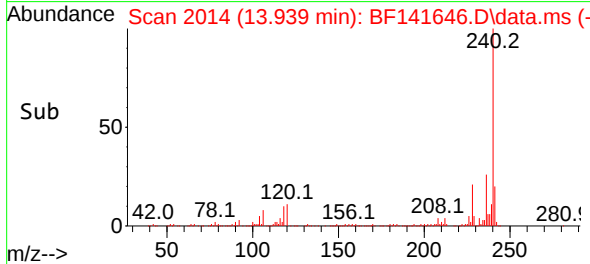
Instrument :
BNA_F
ClientSampleId :
VNJ-213



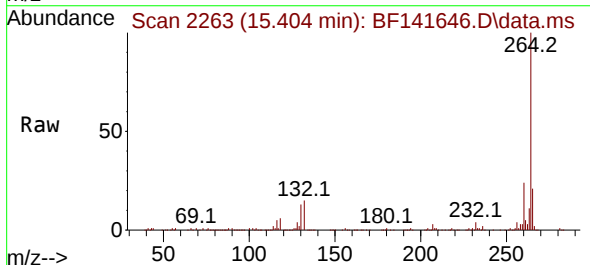
Tgt Ion:228 Resp: 35218
Ion Ratio Lower Upper
228 100
226 25.7 21.8 32.8
229 22.7 15.8 23.6

Manual Integrations
APPROVED

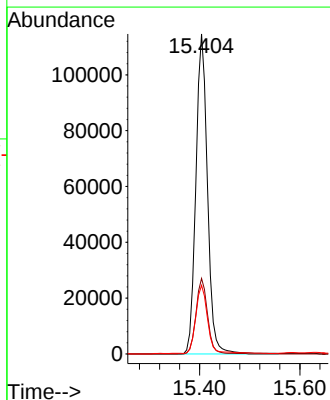
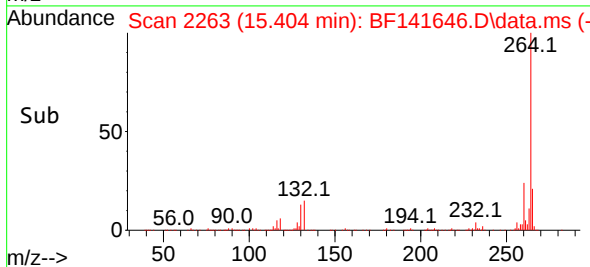
Reviewed By :Yogesh Patel 02/15/2025
Supervised By :Jagrut Upadhyay 02/19/2025

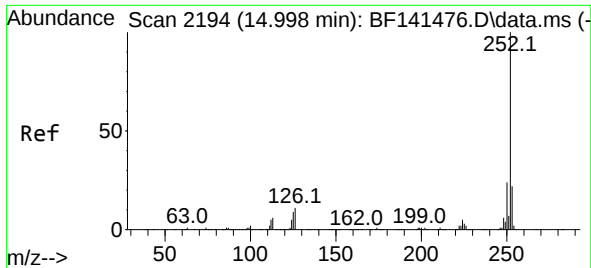


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2263
Delta R.T. -0.012 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15



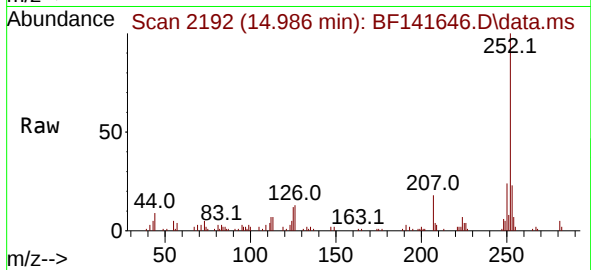
Tgt Ion:264 Resp: 183650
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 21.5 17.0 25.4





#88
 Benzo(b)fluoranthene
 Concen: 2.205 ng m
 RT: 14.986 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF141646.D
 Acq: 14 Feb 2025 18:15

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-213



Tgt Ion:252 Resp: 2719
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.5 26.3
 125 11.8 7.0 10.6

Manual Integrations
 APPROVED

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

