

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
 Data File : BF141154.D
 Acq On : 14 Jan 2025 19:04
 Operator : RC/JU
 Sample : Q1074-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HACKENSACK-DGA

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/15/2025
 Supervised By :Jagrut Upadhyay 01/15/2025

Quant Time: Jan 15 00:13:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	144929	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	587124	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	316564	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	515651	20.000	ng	0.00
76) Chrysene-d12	13.980	240	309986	20.000	ng	0.00
86) Perylene-d12	15.439	264	300451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1012323	107.904	ng	0.00
7) Phenol-d6	6.440	99	1259882	106.016	ng	0.00
23) Nitrobenzene-d5	7.375	82	817185	73.779	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	421074	116.737	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1472357	71.024	ng	0.00
79) Terphenyl-d14	12.927	244	1412348	67.719	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.551	202	93777	3.395	ng	99
78) Pyrene	12.780	202	97156	3.281	ng	98
81) Benzo(a)anthracene	13.968	228	46462	2.202	ng	# 84
83) Chrysene	14.004	228	39779	2.015	ng	# 92
88) Benzo(b)fluoranthene	15.015	252	47164m	2.434	ng	
90) Benzo(a)pyrene	15.374	252	35838	2.242	ng	# 92

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

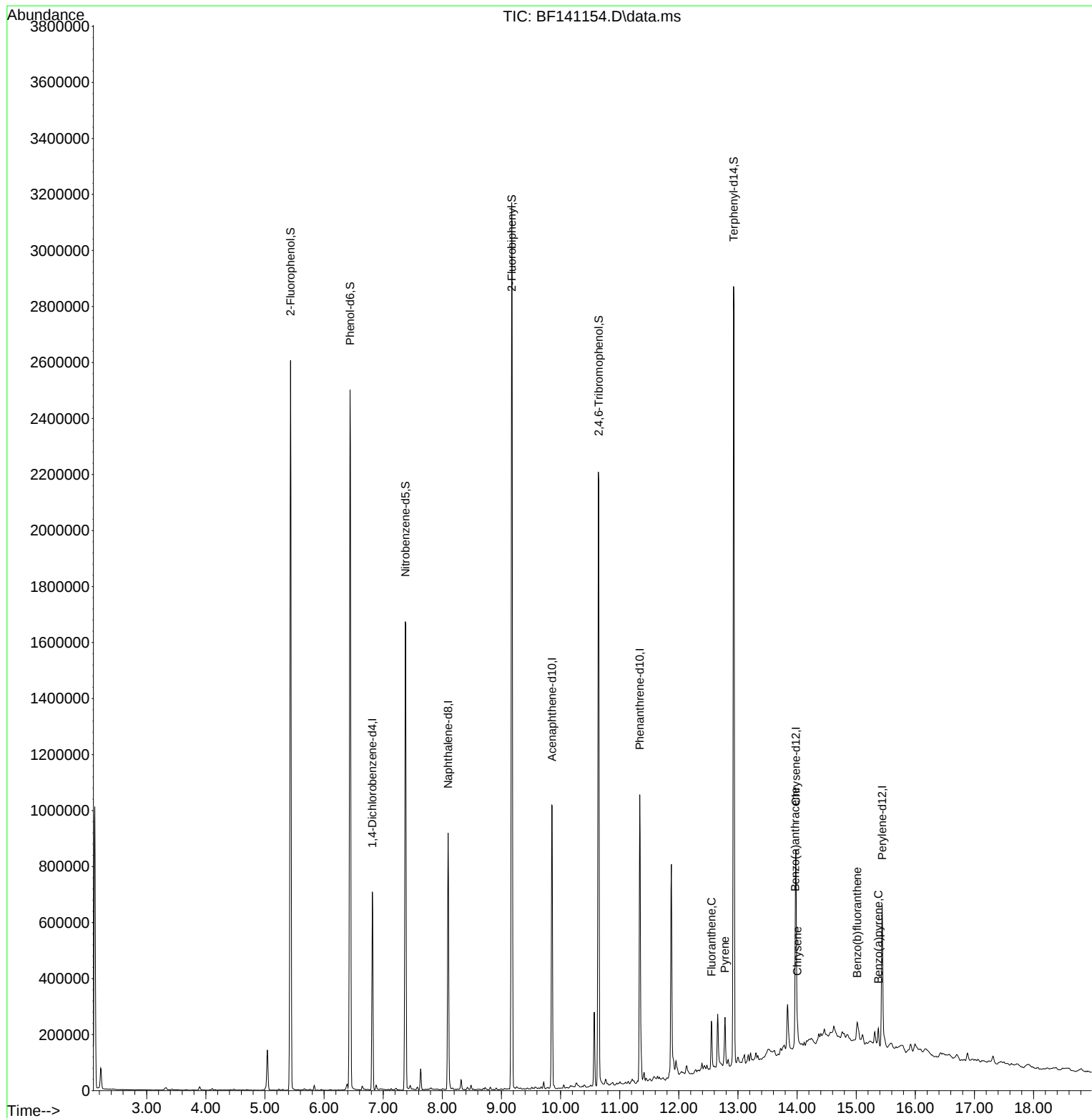
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
Data File : BF141154.D
Acq On : 14 Jan 2025 19:04
Operator : RC/JU
Sample : Q1074-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

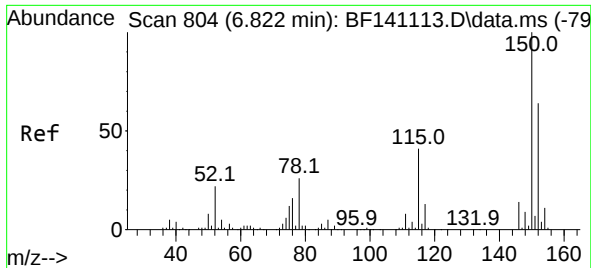
Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA

Quant Time: Jan 15 00:13:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
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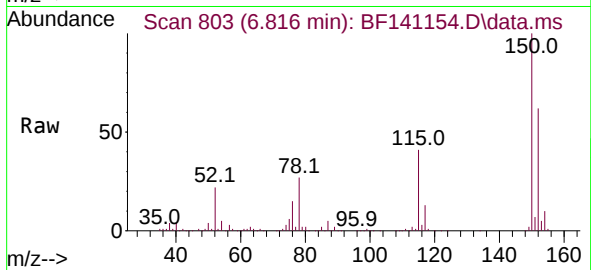
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

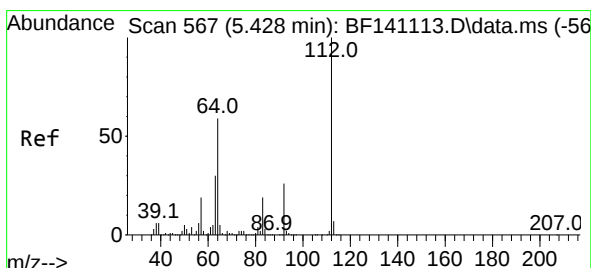
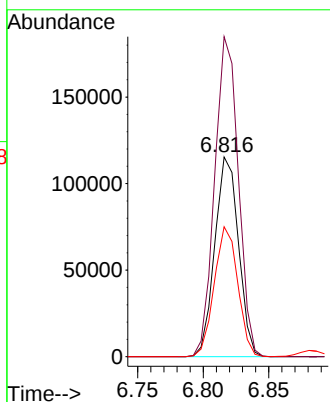
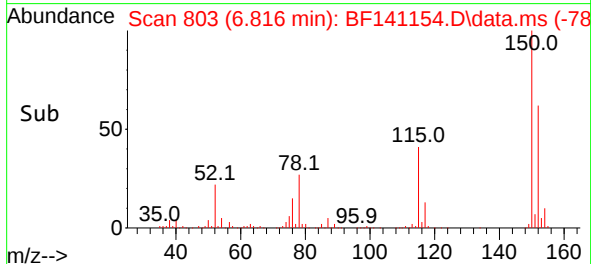
Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA



Tgt Ion:152 Resp: 144929
Ion Ratio Lower Upper
152 100
150 160.2 125.8 188.8
115 65.0 51.4 77.2

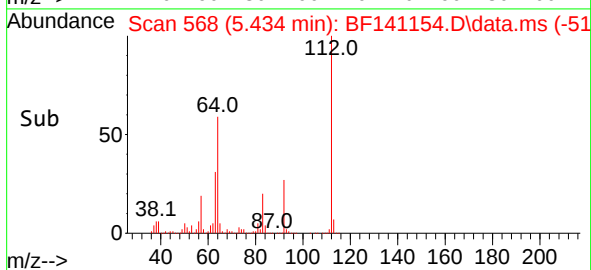
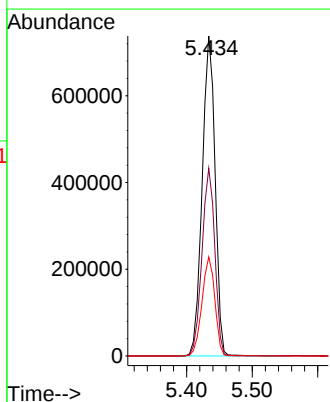
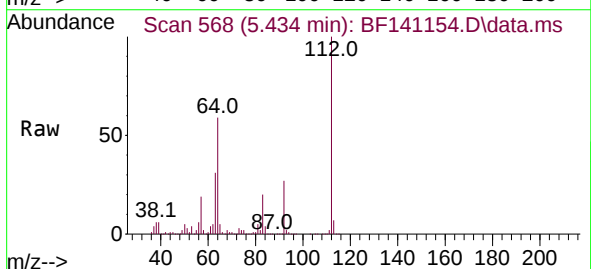
Manual Integrations
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Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#5
2-Fluorophenol
Concen: 107.904 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

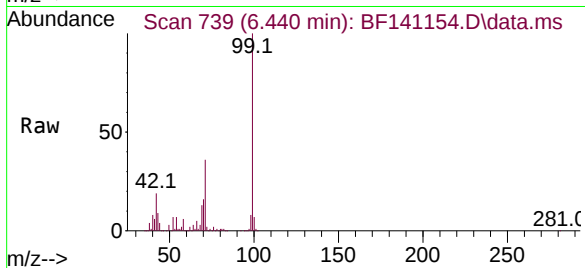
Tgt Ion:112 Resp: 1012323
Ion Ratio Lower Upper
112 100
64 58.7 47.3 70.9
63 30.9 24.2 36.2





#7
Phenol-d6
Concen: 106.016 ng
RT: 6.440 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

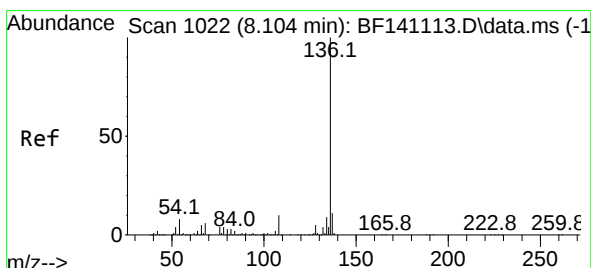
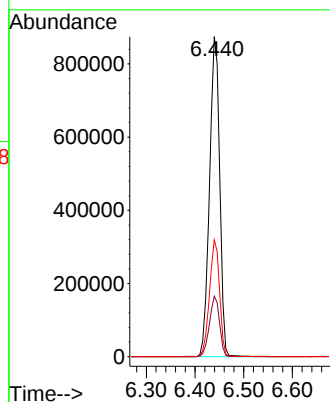
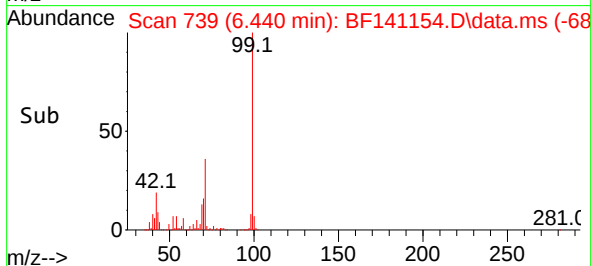
Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA



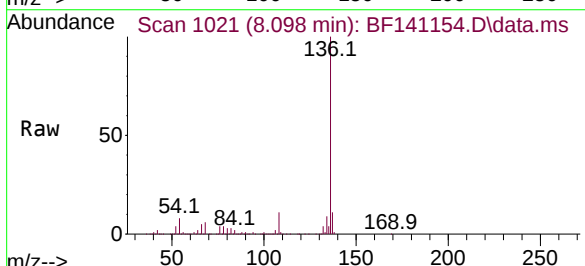
Tgt Ion: 99 Resp: 125988
Ion Ratio Lower Upper
99 100
42 18.9 15.0 22.4
71 36.5 27.6 41.4

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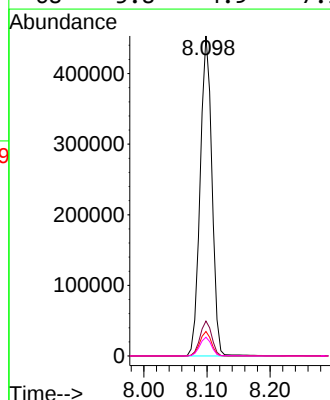
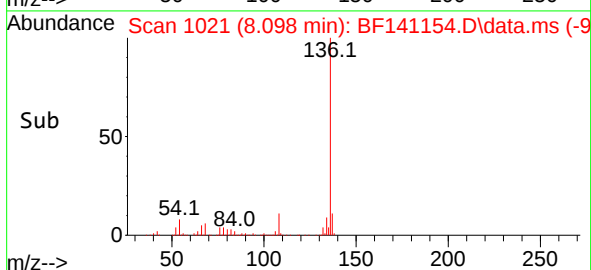
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025

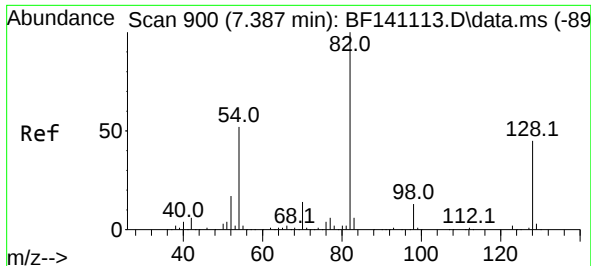


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04



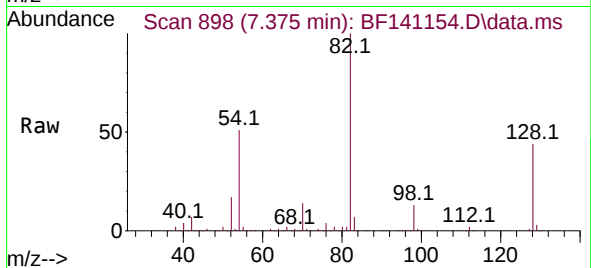
Tgt Ion:136 Resp: 587124
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 6.3 9.5
68 5.8 4.9 7.3





#23
Nitrobenzene-d5
Concen: 73.779 ng
RT: 7.375 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

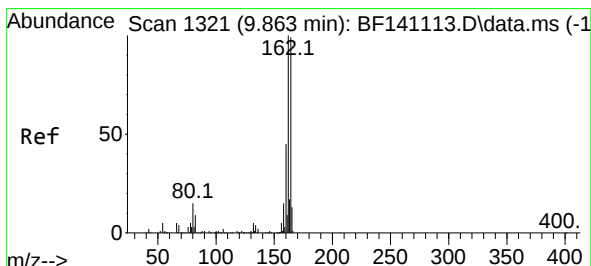
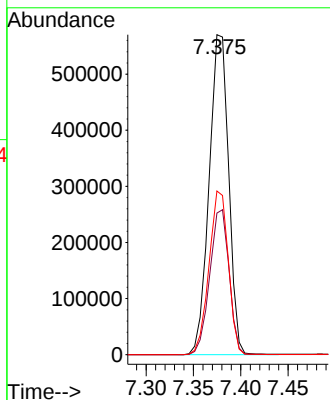
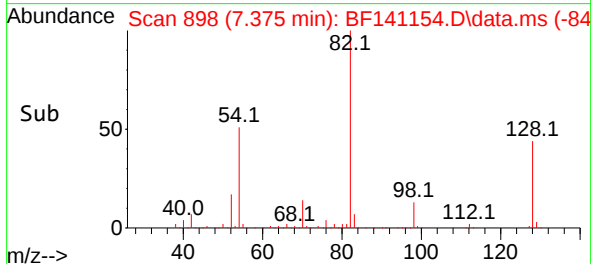
Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA



Tgt Ion: 82 Resp: 81718
Ion Ratio Lower Upper
82 100
128 44.2 36.1 54.1
54 51.1 41.0 61.4

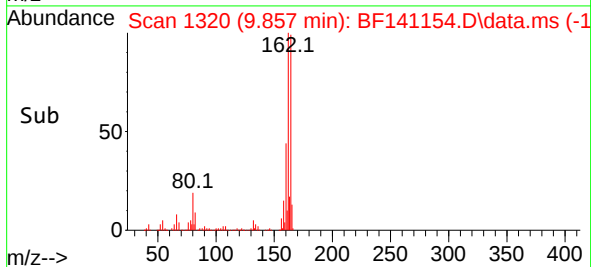
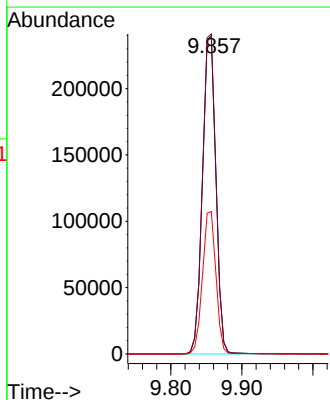
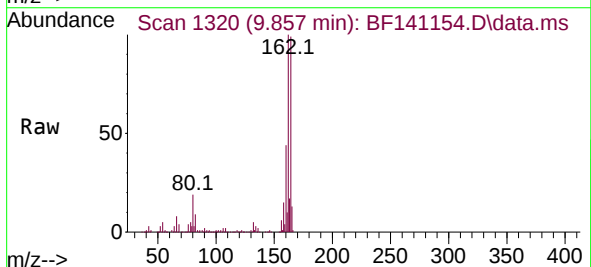
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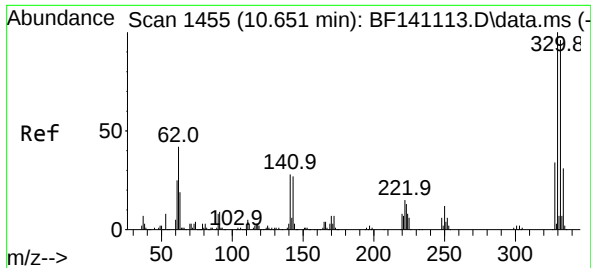
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

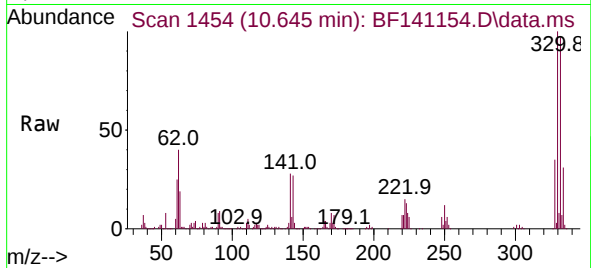
Tgt Ion:164 Resp: 316564
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 44.8 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 116.737 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

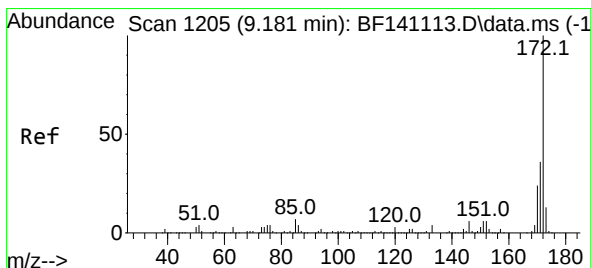
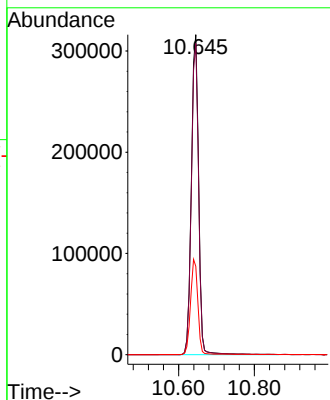
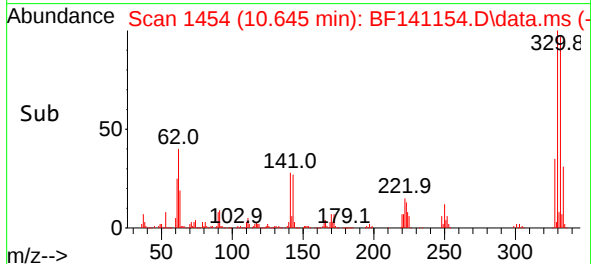
Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA



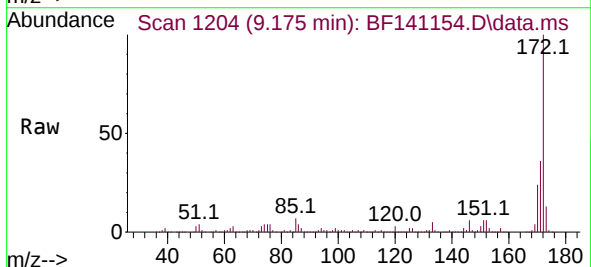
Tgt Ion:330 Resp: 421074
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 29.8 25.2 37.8

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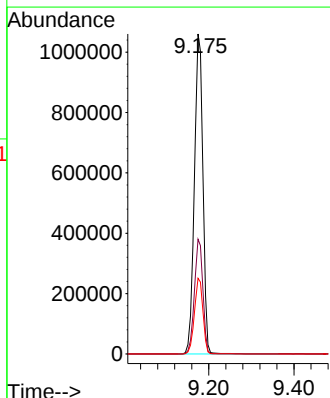
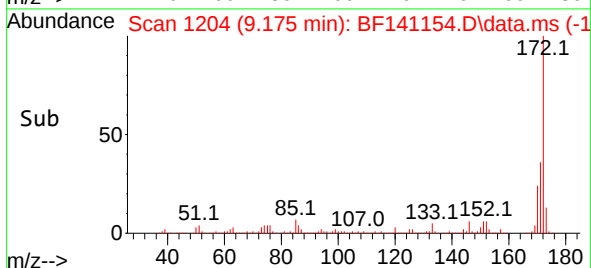
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Supervised By :Jagrut Upadhyay 01/15/2025

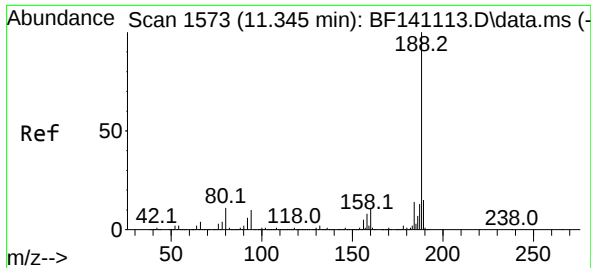


#45
2-Fluorobiphenyl
Concen: 71.024 ng
RT: 9.175 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04



Tgt Ion:172 Resp: 1472357
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.7 19.0 28.6





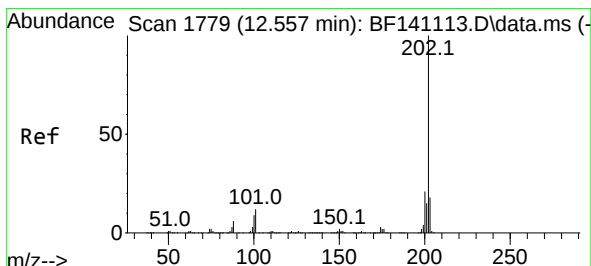
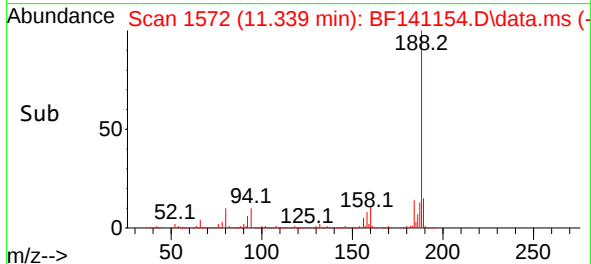
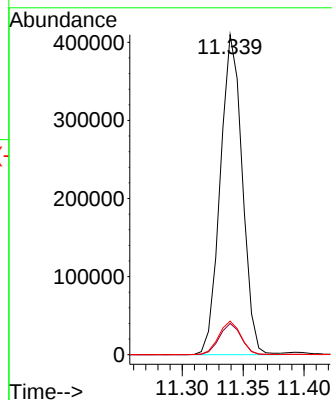
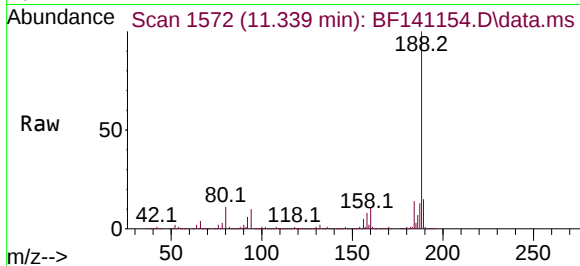
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA

Tgt Ion:188 Resp: 51565
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.5 9.0 13.4

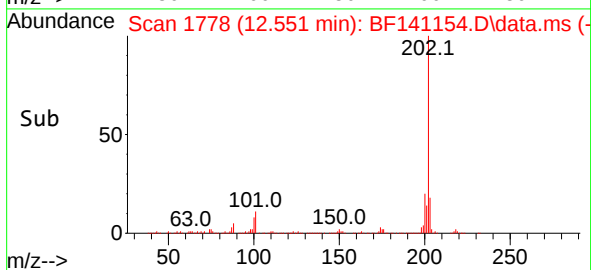
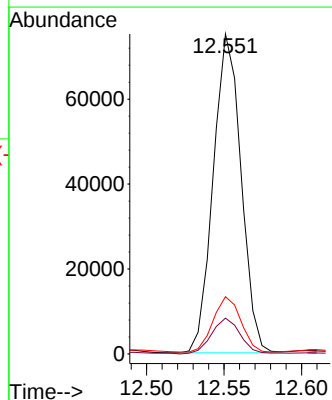
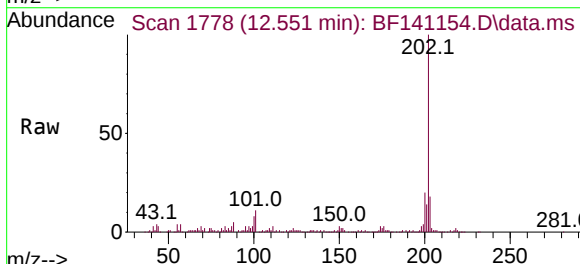
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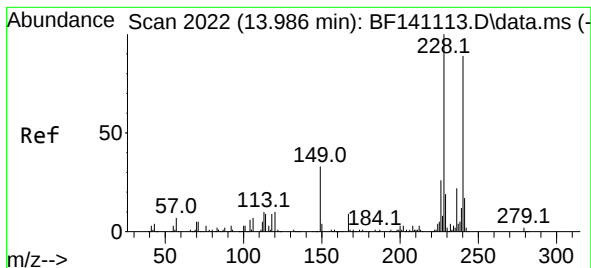
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#75
Fluoranthene
Concen: 3.395 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

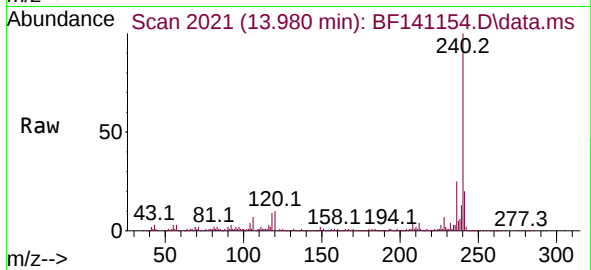
Tgt Ion:202 Resp: 93777
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.3
203 17.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

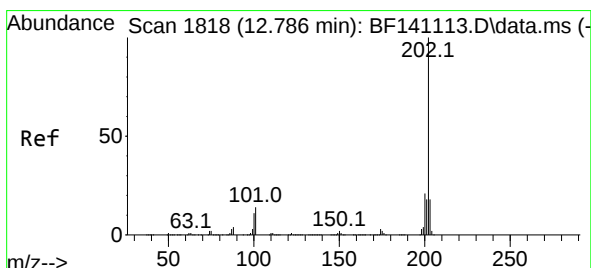
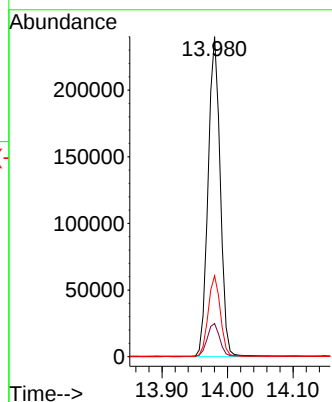
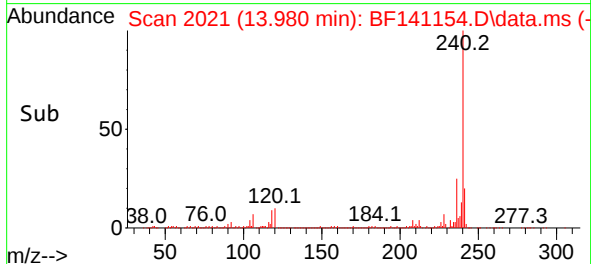
Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA



Tgt Ion:240 Resp: 309980
Ion Ratio Lower Upper
240 100
120 10.4 9.1 13.7
236 25.3 19.8 29.6

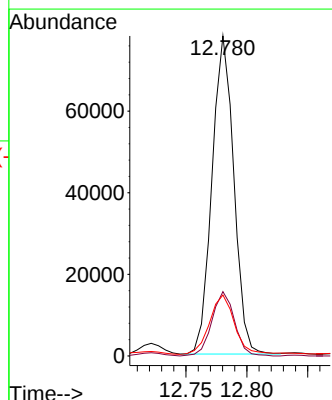
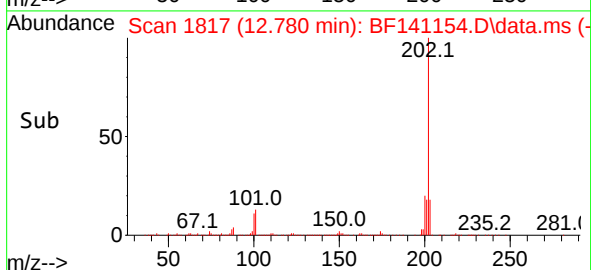
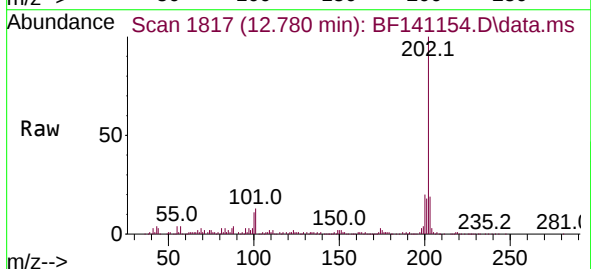
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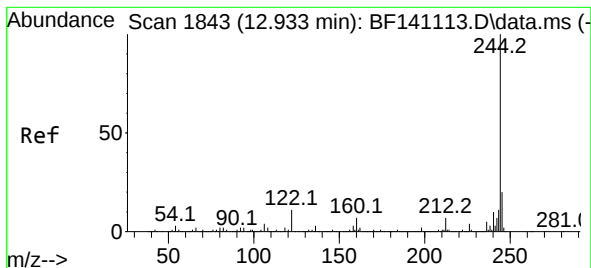
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#78
Pyrene
Concen: 3.281 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

Tgt Ion:202 Resp: 97156
Ion Ratio Lower Upper
202 100
200 20.1 16.8 25.2
203 19.1 14.3 21.5





#79

Terphenyl-d14

Concen: 67.719 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141154.D

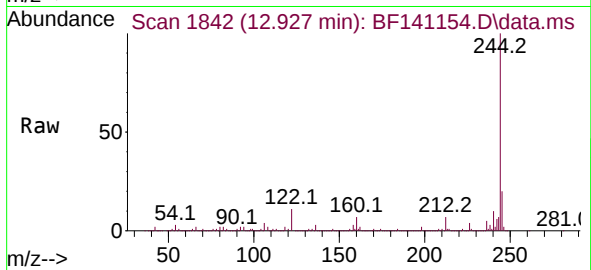
Acq: 14 Jan 2025 19:04

Instrument :

BNA_F

ClientSampleId :

HACKENSACK-DGA



Tgt Ion:244 Resp: 1412348

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

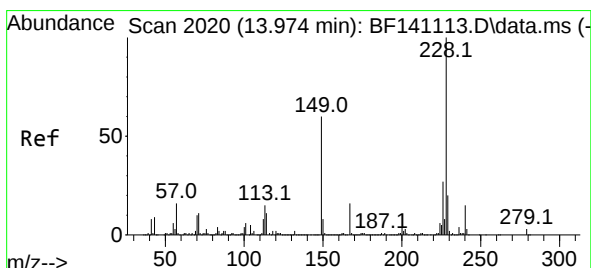
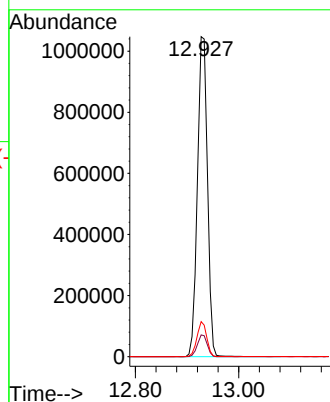
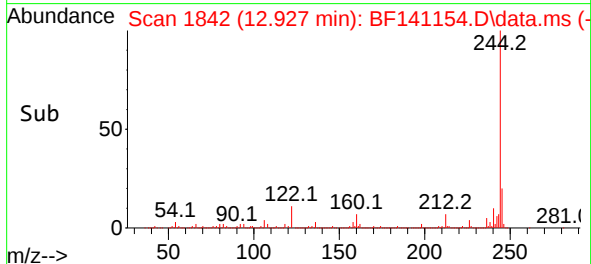
122 10.9 8.8 13.2

Manual Integrations

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Reviewed By :Yogesh Patel 01/15/2025

Supervised By :Jagrut Upadhyay 01/15/2025



#81

Benzo(a)anthracene

Concen: 2.202 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141154.D

Acq: 14 Jan 2025 19:04

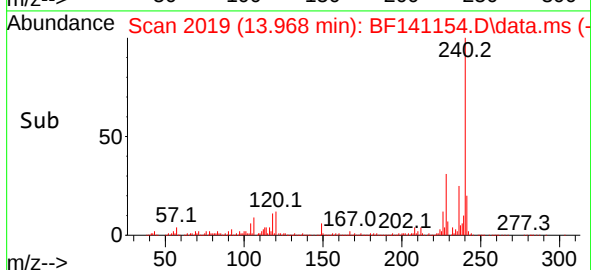
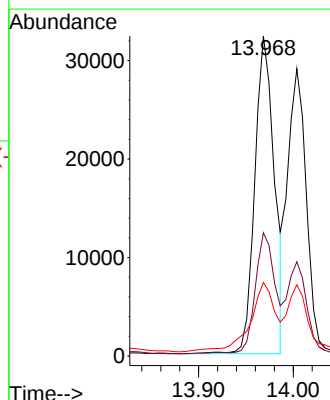
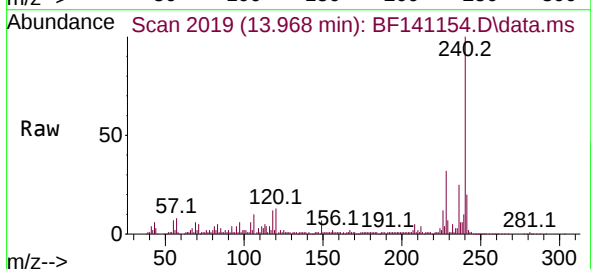
Tgt Ion:228 Resp: 46462

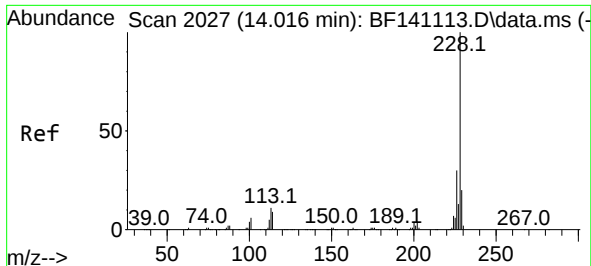
Ion Ratio Lower Upper

228 100

226 38.5 21.7 32.5#

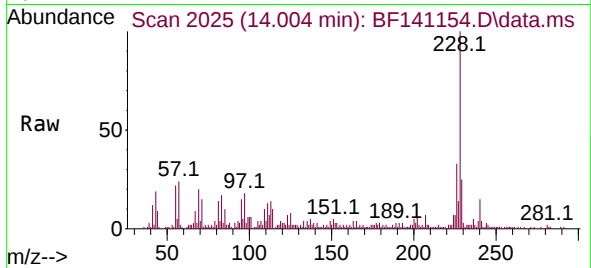
229 22.9 15.7 23.5





#83
Chrysene
Concen: 2.015 ng
RT: 14.004 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

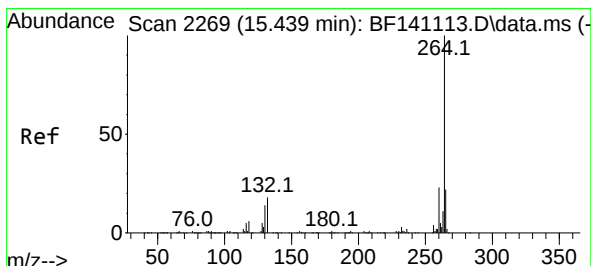
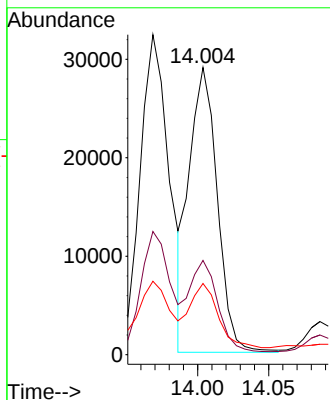
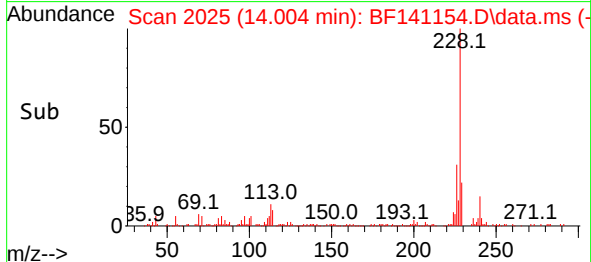
Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA



Tgt Ion:228 Resp: 39775
Ion Ratio Lower Upper
228 100
226 32.8 23.8 35.8
229 24.8 15.8 23.8

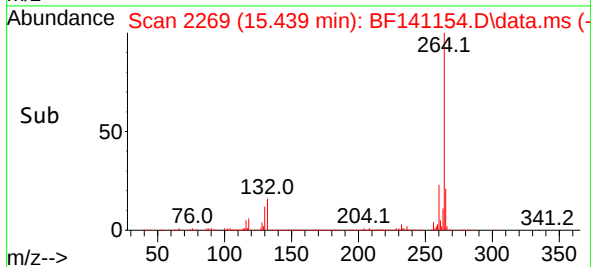
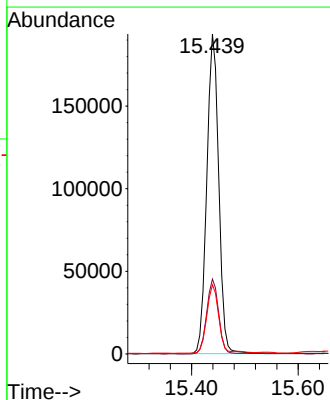
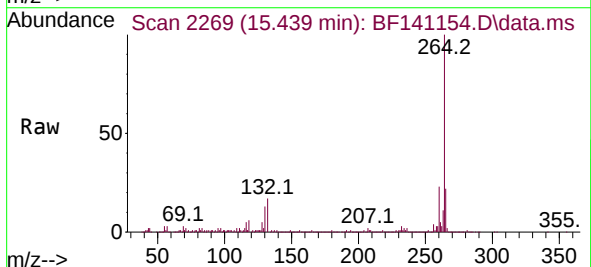
Manual Integrations
APPROVED

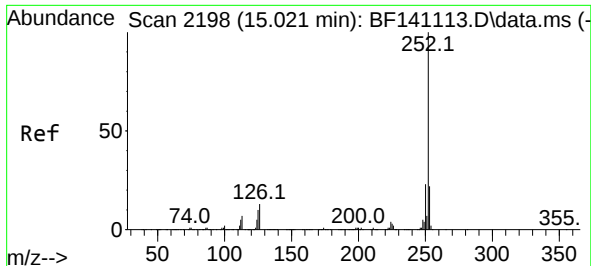
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

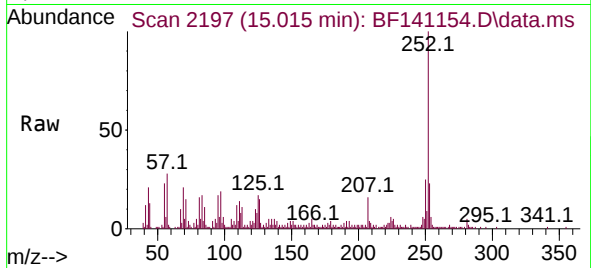
Tgt Ion:264 Resp: 300451
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.6 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 2.434 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

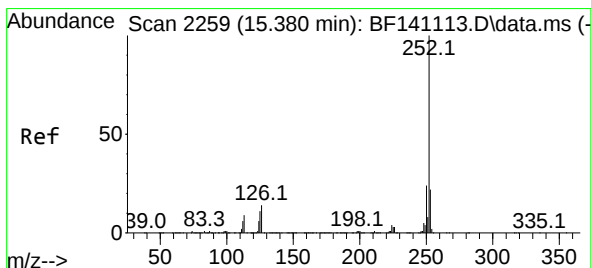
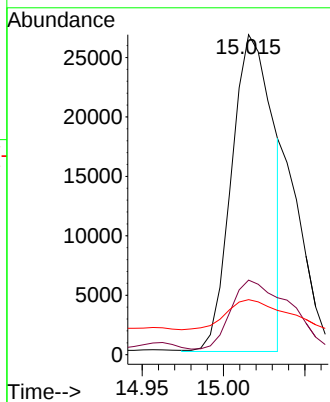
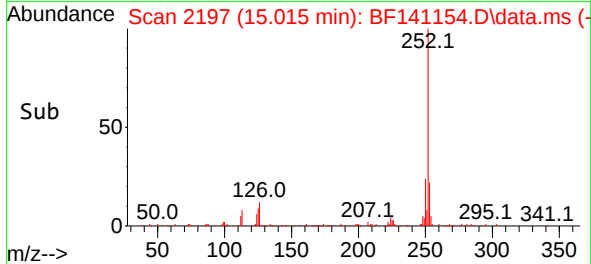
Instrument :
BNA_F
ClientSampleId :
HACKENSACK-DGA



Tgt Ion:252 Resp: 47164
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 17.2 8.1 12.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#90
Benzo(a)pyrene
Concen: 2.242 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF141154.D
Acq: 14 Jan 2025 19:04

Tgt Ion:252 Resp: 35838
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 18.0 9.1 13.7

