

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144210.D
 Acq On : 11 Nov 2025 19:01
 Operator : RC/JU
 Sample : Q3581-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-245

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Jagrut Upadhyay 11/12/2025

Quant Time: Nov 12 03:44:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	77637	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	297589	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	176207	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	338549	20.000	ng	0.00
76) Chrysene-d12	14.051	240	218673	20.000	ng	0.00
86) Perylene-d12	15.539	264	210543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	269873	54.396	ng	0.00
7) Phenol-d6	6.498	99	312898	55.661	ng	0.00
23) Nitrobenzene-d5	7.434	82	190532	36.978	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	121313	54.863	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	401338	33.639	ng	0.00
79) Terphenyl-d14	12.992	244	537004	39.007	ng	0.00
Target Compounds						
63) Azobenzene	10.628	77	40386	4.033	ng	Qvalue
75) Fluoranthene	12.621	202	68931	3.959	ng	# 1
78) Pyrene	12.851	202	62661	3.554	ng	98
81) Benzo(a)anthracene	14.045	228	35178	2.321	ng	97
88) Benzo(b)fluoranthene	15.104	252	35062m	2.929	ng	98

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

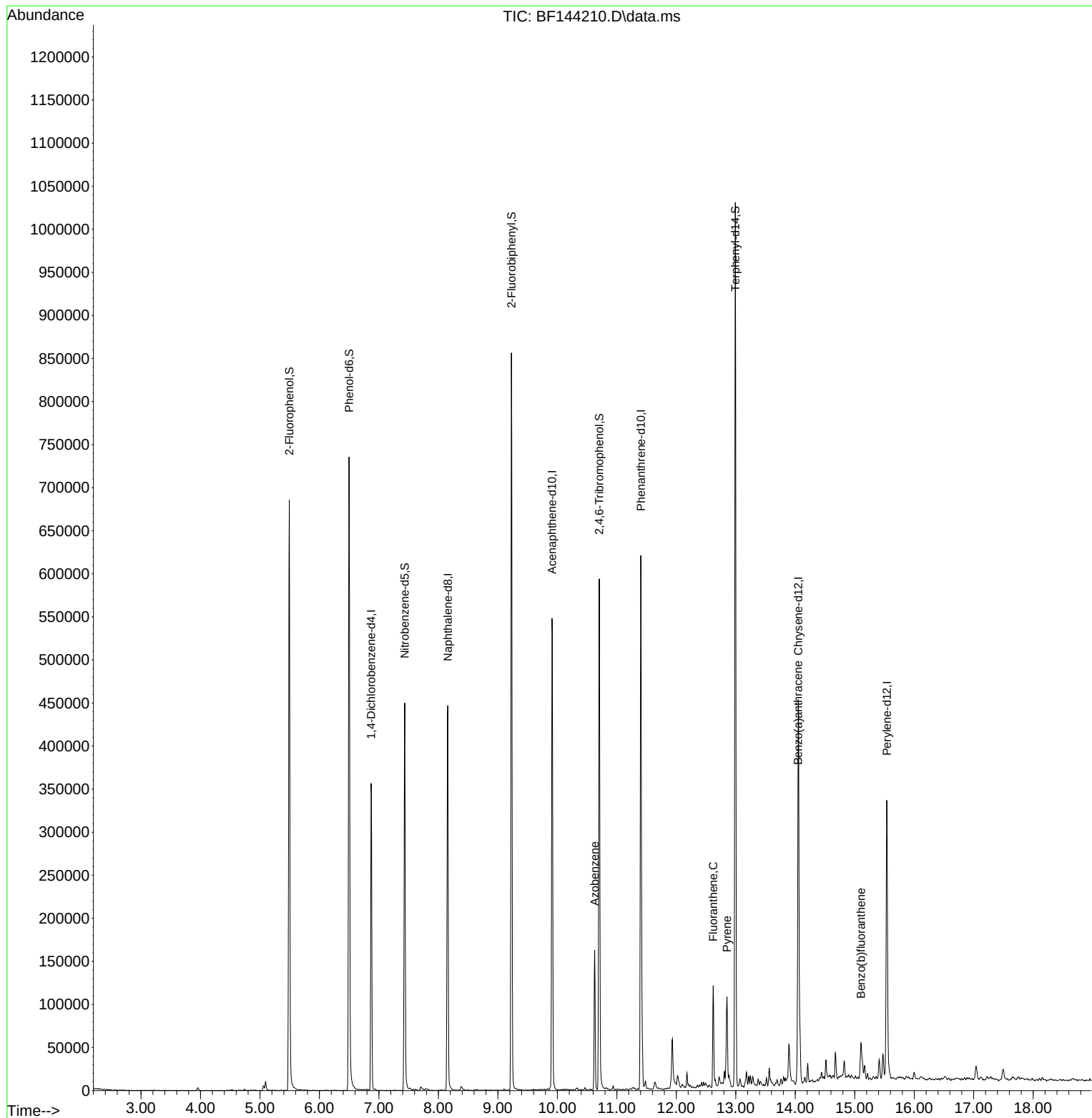
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144210.D
Acq On : 11 Nov 2025 19:01
Operator : RC/JU
Sample : Q3581-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

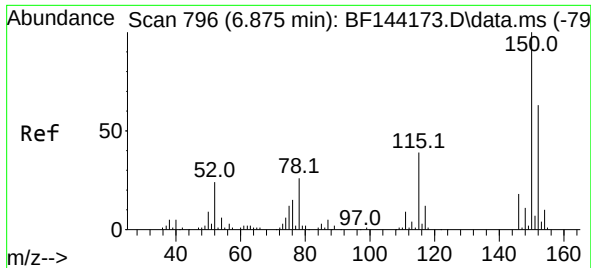
Instrument :
BNA_F
ClientSampleId :
VNJ-245

Quant Time: Nov 12 03:44:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

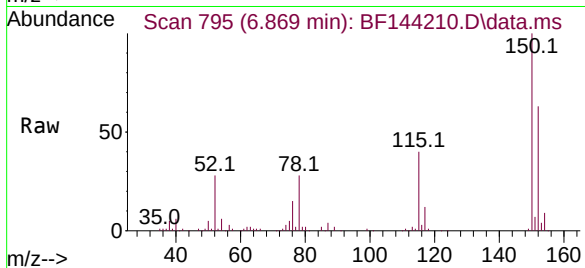
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

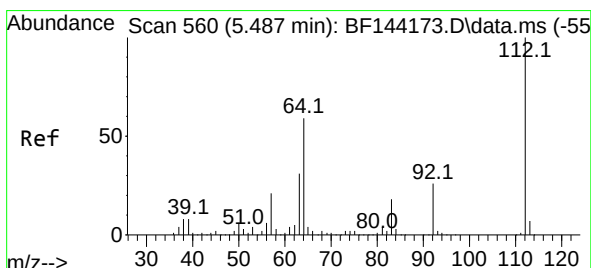
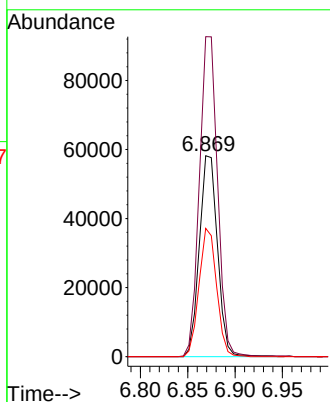
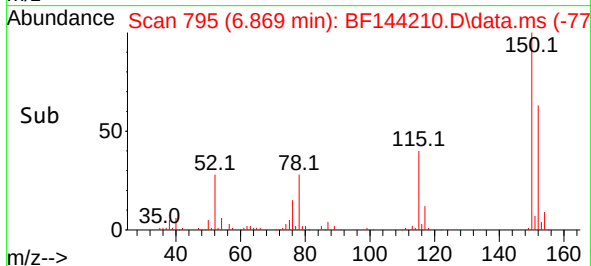
Instrument :
BNA_F
ClientSampleId :
VNJ-245



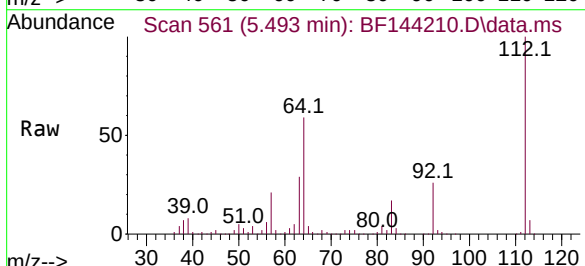
Tgt Ion:152 Resp: 77632
Ion Ratio Lower Upper
152 100
150 159.3 127.4 191.0
115 63.9 49.5 74.3

Manual Integrations
APPROVED

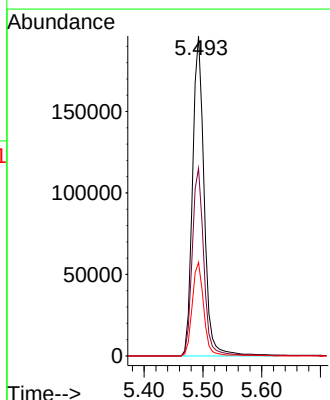
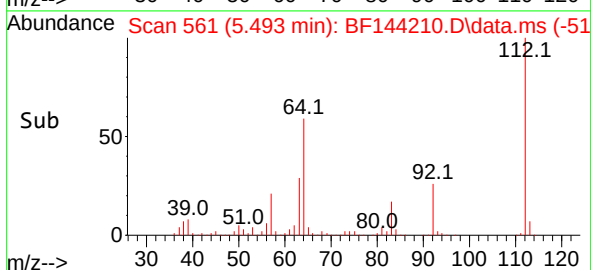
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

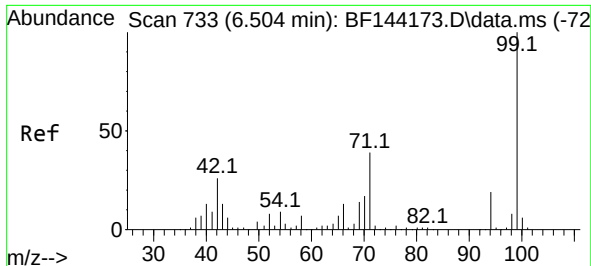


#5
2-Fluorophenol
Concen: 54.396 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01



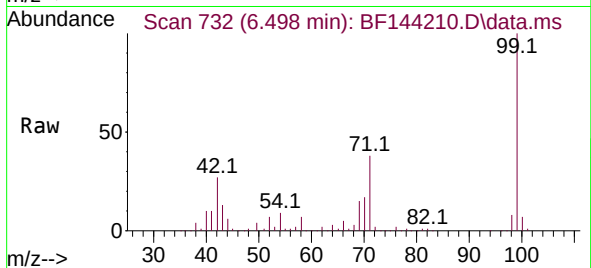
Tgt Ion:112 Resp: 269873
Ion Ratio Lower Upper
112 100
64 58.6 47.2 70.8
63 29.2 24.4 36.6





#7
Phenol-d6
Concen: 55.661 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

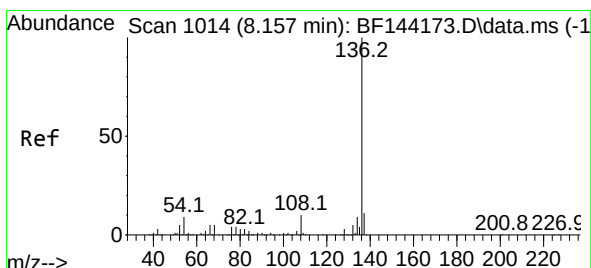
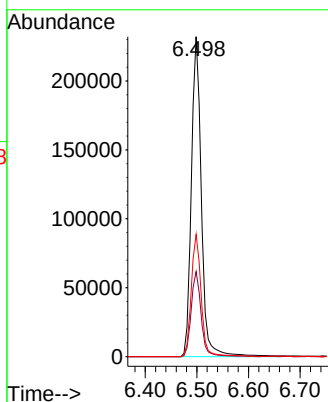
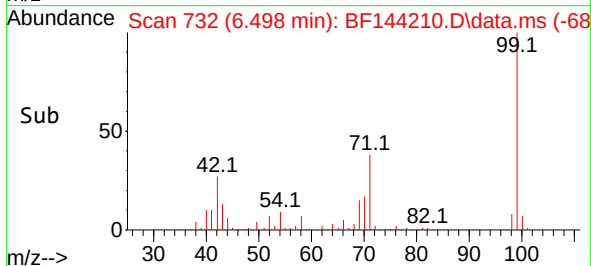
Instrument :
BNA_F
ClientSampleId :
VNJ-245



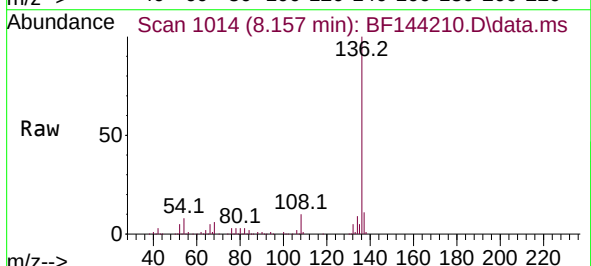
Tgt Ion: 99 Resp: 312898
Ion Ratio Lower Upper
99 100
42 26.6 20.9 31.3
71 38.2 31.4 47.2

Manual Integrations
APPROVED

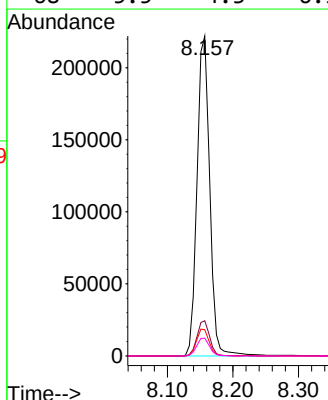
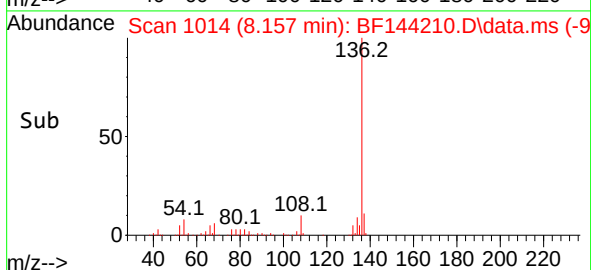
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

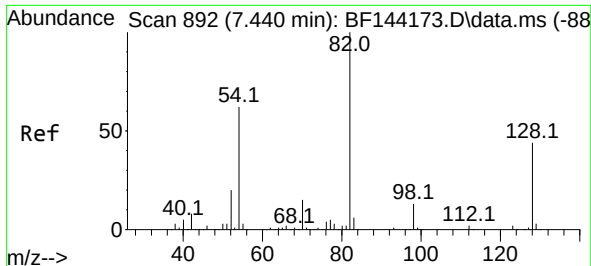


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01



Tgt Ion:136 Resp: 297589
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.2 7.0 10.6
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 36.978 ng

RT: 7.434 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

Instrument :

BNA_F

ClientSampleId :

VNJ-245

Tgt Ion: 82 Resp: 190532

Ion Ratio Lower Upper

82 100

128 42.7 34.7 52.1

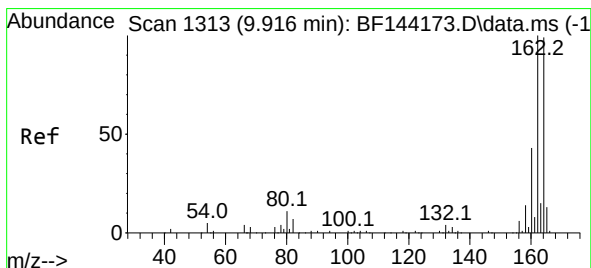
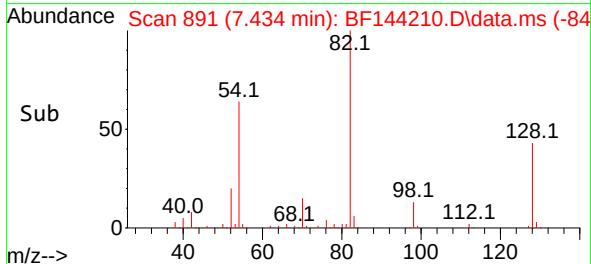
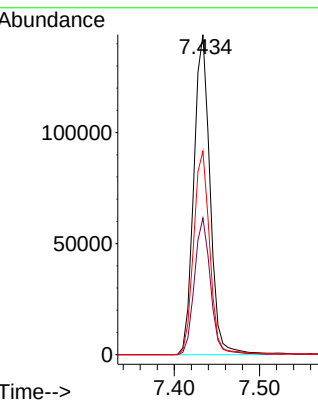
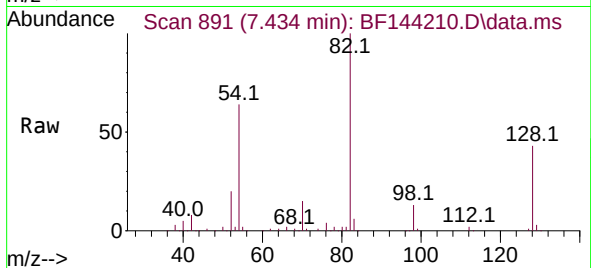
54 63.6 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

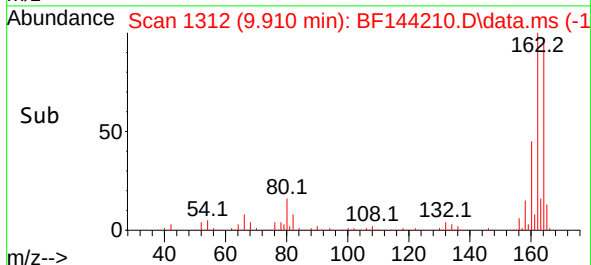
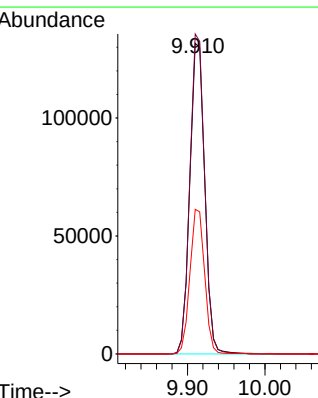
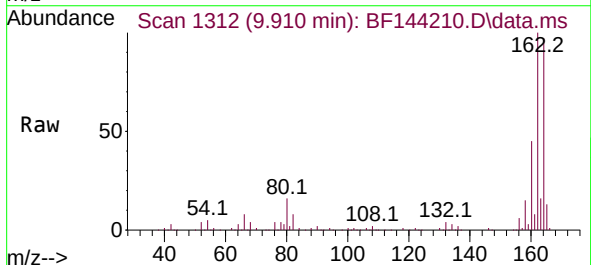
Tgt Ion:164 Resp: 176207

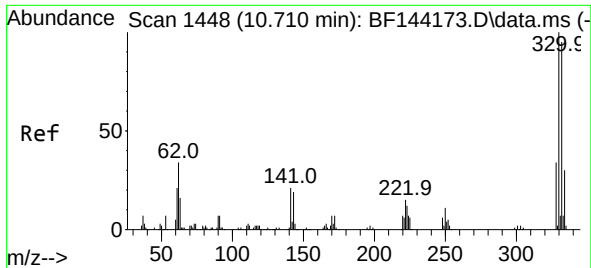
Ion Ratio Lower Upper

164 100

162 103.0 81.1 121.7

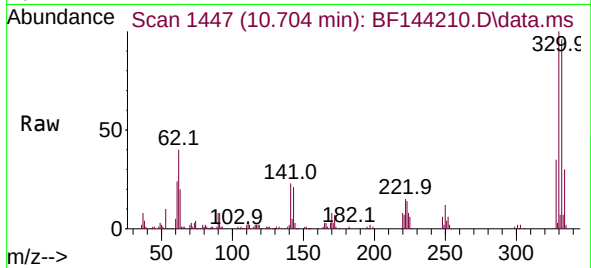
160 46.5 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 54.863 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

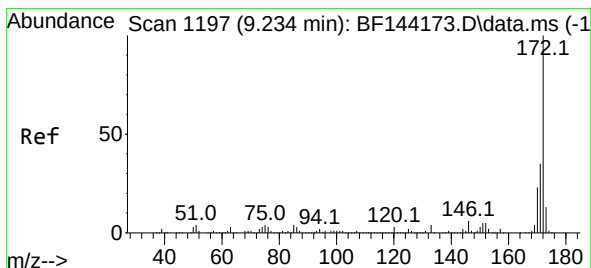
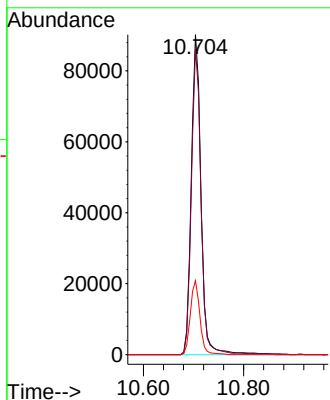
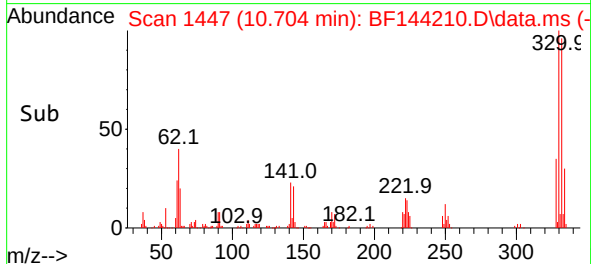
Instrument :
BNA_F
ClientSampleId :
VNJ-245



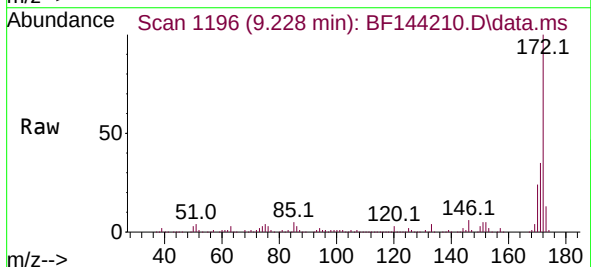
Tgt Ion: 330 Resp: 121313
Ion Ratio Lower Upper
330 100
332 94.5 76.7 115.1
141 22.6 17.8 26.8

Manual Integrations
APPROVED

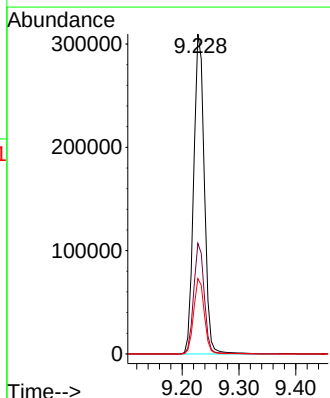
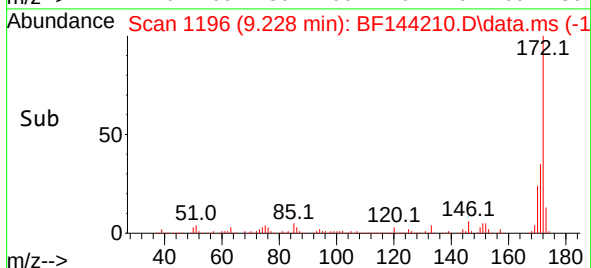
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

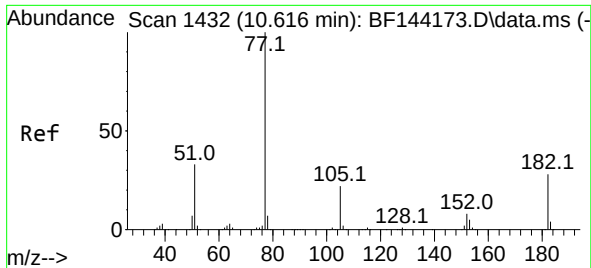


#45
2-Fluorobiphenyl
Concen: 33.639 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01



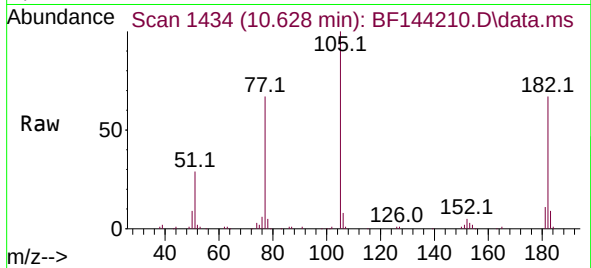
Tgt Ion: 172 Resp: 401338
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.5 18.6 28.0





#63
Azobenzene
Concen: 4.033 ng
RT: 10.628 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

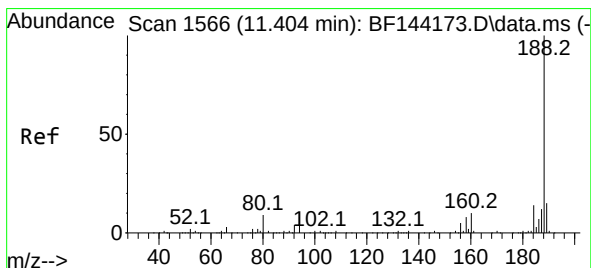
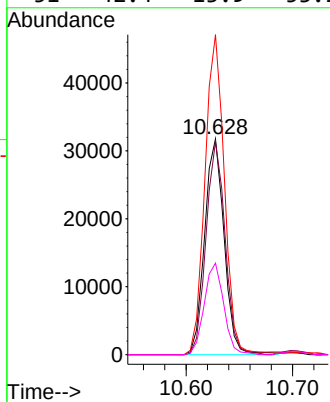
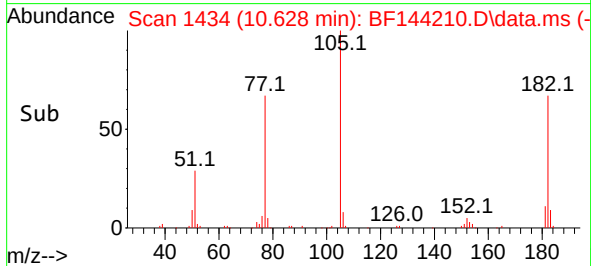
Instrument :
BNA_F
ClientSampleId :
VNJ-245



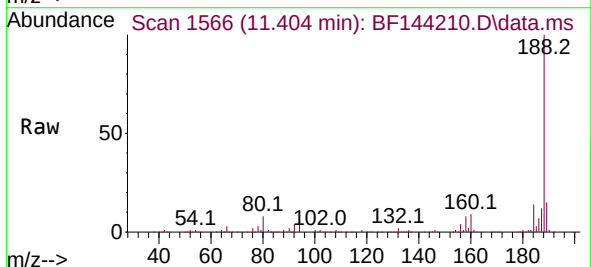
Tgt Ion: 77 Resp: 40386
Ion Ratio Lower Upper
77 100
182 98.7 8.1 48.1
105 148.3 2.0 42.0
51 42.4 13.9 53.9

Manual Integrations
APPROVED

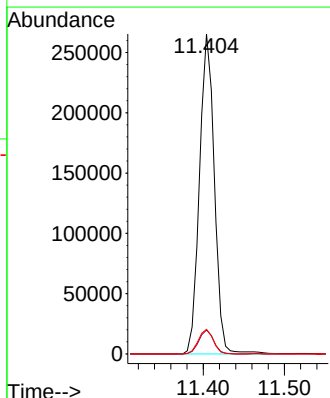
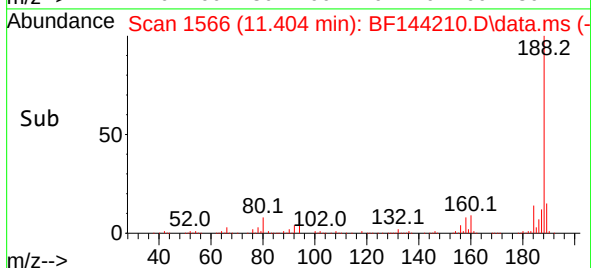
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

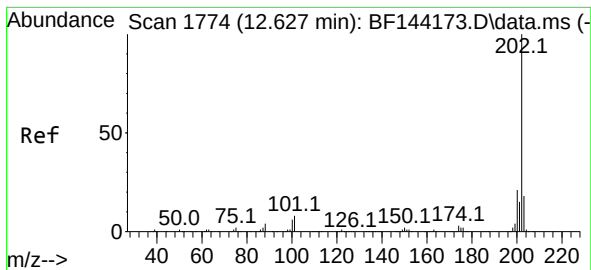


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01



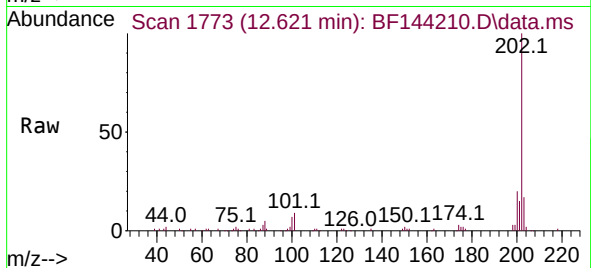
Tgt Ion:188 Resp: 338549
Ion Ratio Lower Upper
188 100
94 7.5 6.2 9.2
80 7.7 6.9 10.3





#75
Fluoranthene
Concen: 3.959 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

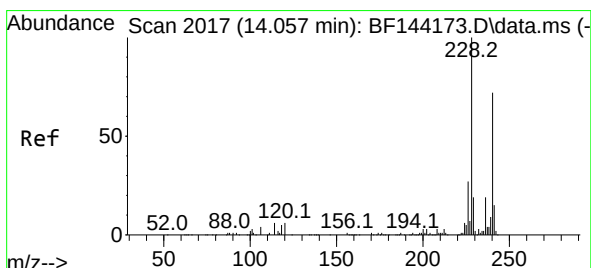
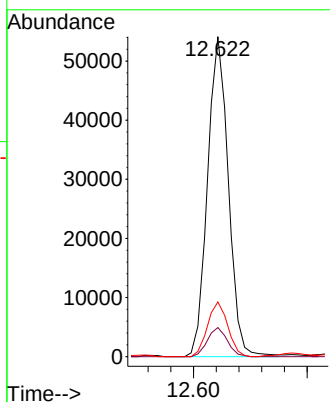
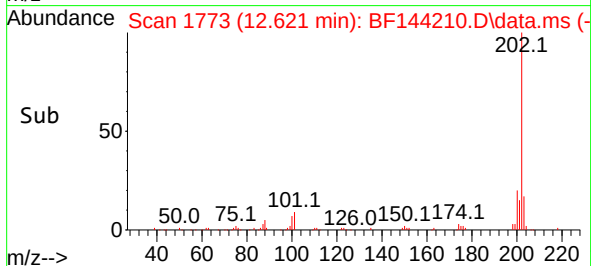
Instrument :
BNA_F
ClientSampleId :
VNJ-245



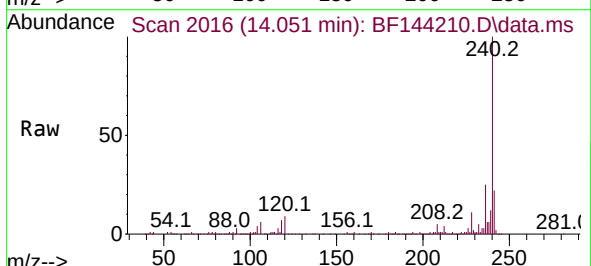
Tgt Ion:202 Resp: 6893
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.9
203 17.1 0.0 37.5

Manual Integrations
APPROVED

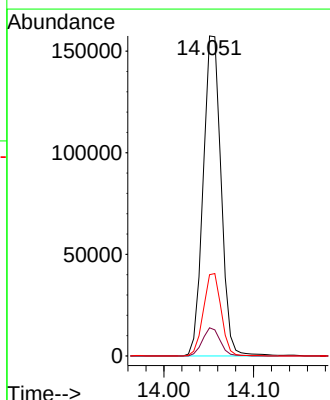
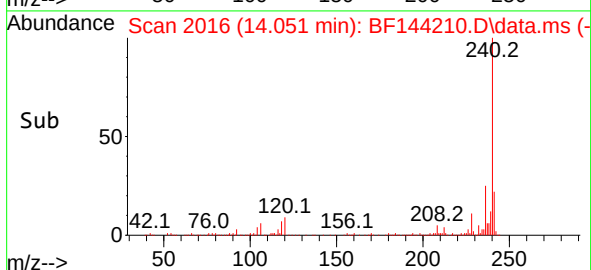
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

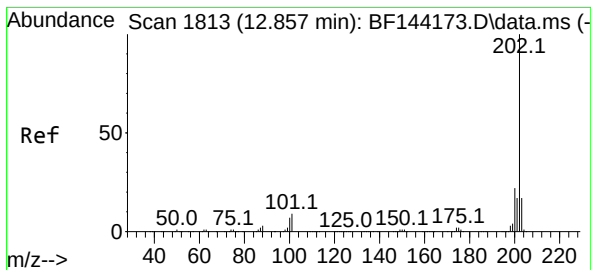


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01



Tgt Ion:240 Resp: 218673
Ion Ratio Lower Upper
240 100
120 8.8 6.6 10.0
236 25.4 21.4 32.2





#78

Pyrene

Concen: 3.554 ng

RT: 12.851 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

Instrument :

BNA_F

ClientSampleId :

VNJ-245

Tgt Ion:202 Resp: 6266

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

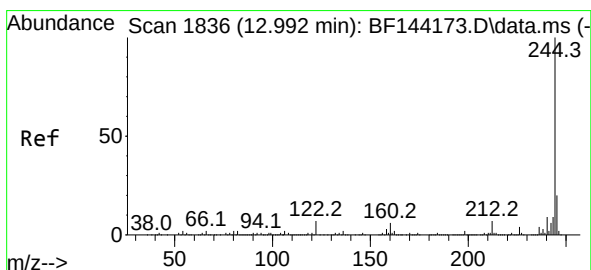
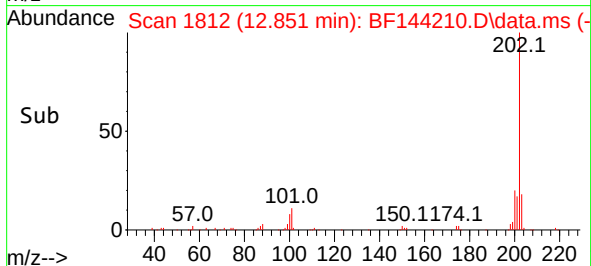
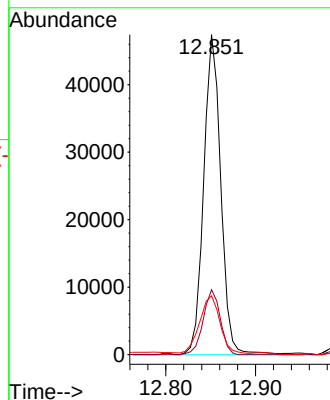
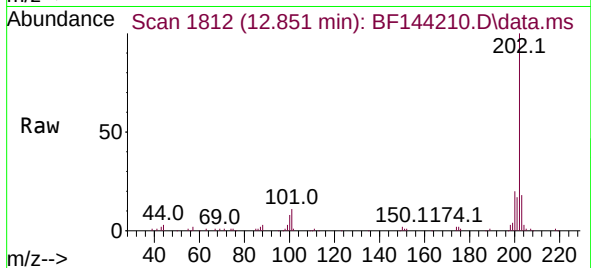
203 18.4 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#79

Terphenyl-d14

Concen: 39.007 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.000 min

Lab File: BF144210.D

Acq: 11 Nov 2025 19:01

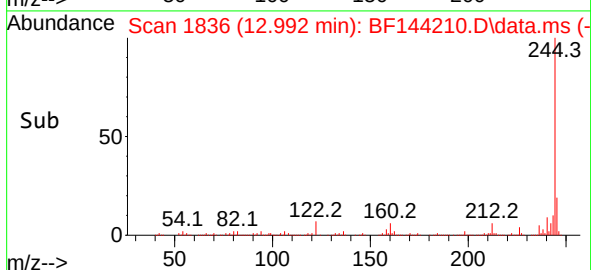
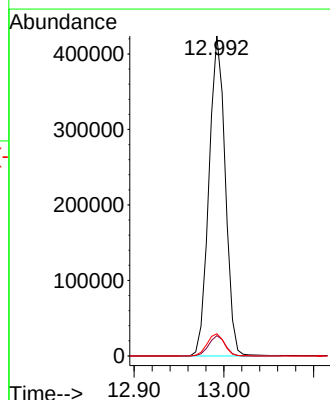
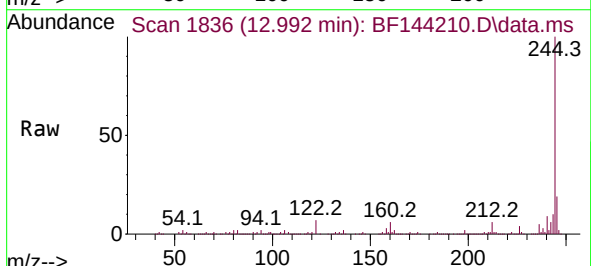
Tgt Ion:244 Resp: 537004

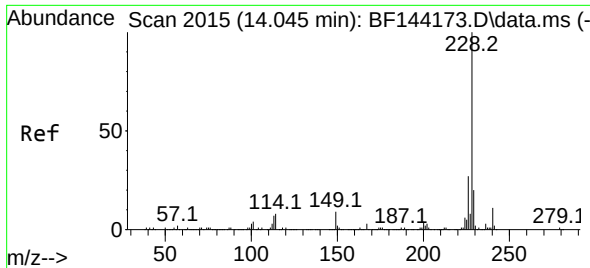
Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

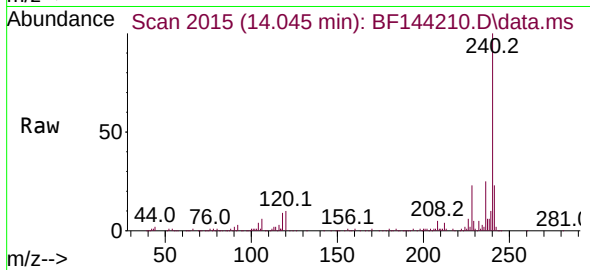
122 7.0 5.6 8.4





#81
Benzo(a)anthracene
Concen: 2.321 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

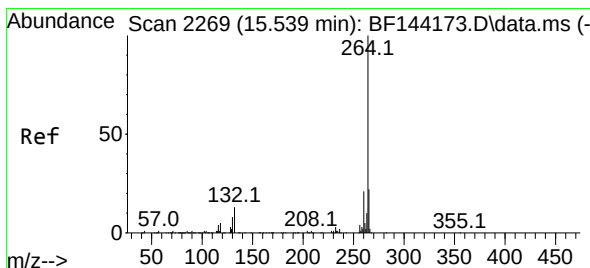
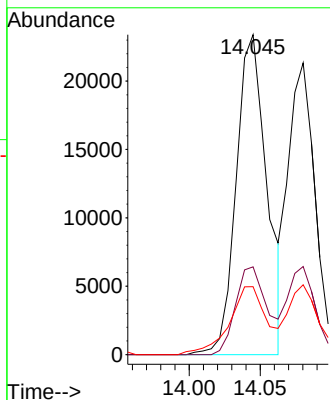
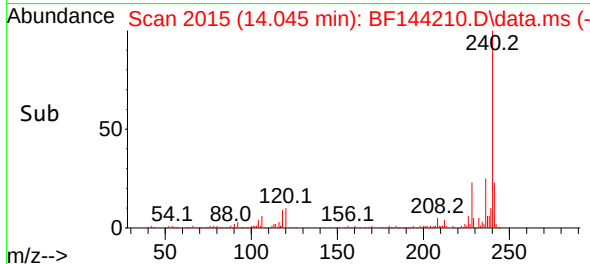
Instrument :
BNA_F
ClientSampleId :
VNJ-245



Tgt Ion:228 Resp: 35178
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 21.2 15.8 23.6

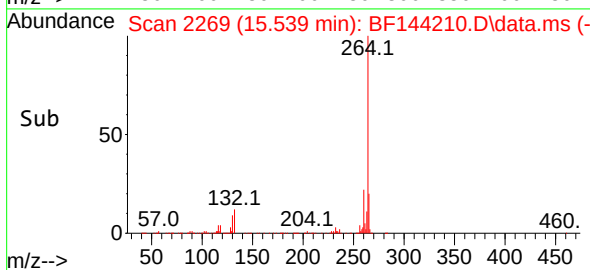
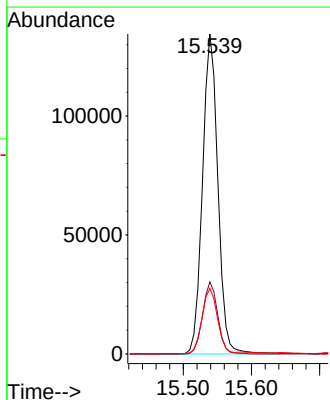
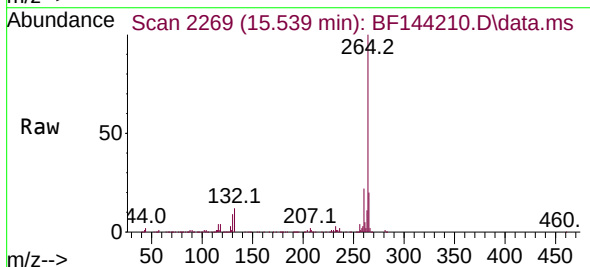
Manual Integrations
APPROVED

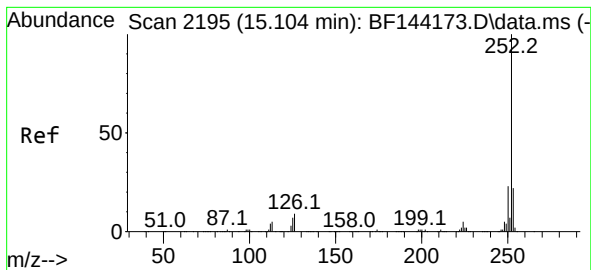
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144210.D
Acq: 11 Nov 2025 19:01

Tgt Ion:264 Resp: 210543
Ion Ratio Lower Upper
264 100
260 22.5 17.1 25.7
265 20.5 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.929 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF144210.D

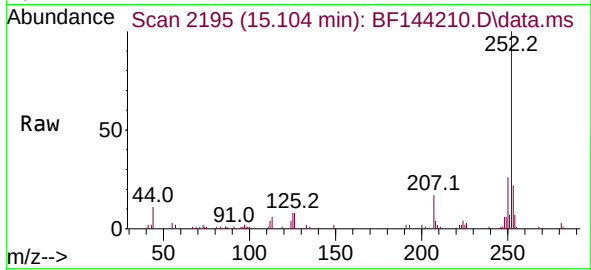
Acq: 11 Nov 2025 19:01

Instrument :

BNA_F

ClientSampleId :

VNJ-245



Tgt Ion:252 Resp: 35062

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 7.9 5.3 7.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025

