

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144217.D
 Acq On : 11 Nov 2025 22:27
 Operator : RC/JU
 Sample : Q3581-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 03:46:57 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	6.875	152	82239	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	320494	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	188432	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	329848	20.000	ng	0.00
76) Chrysene-d12	14.051	240	199878	20.000	ng	0.00
86) Perylene-d12	15.539	264	218860	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	364299	69.320	ng	0.00
7) Phenol-d6	6.498	99	426514	71.627	ng	0.00
23) Nitrobenzene-d5	7.434	82	264476	47.660	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	135855	57.454	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	576468	45.184	ng	0.00
79) Terphenyl-d14	12.992	244	557958	44.340	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	109298	6.655	ng	98
75) Fluoranthene	12.622	202	185176	10.915	ng	100
78) Pyrene	12.851	202	149075	9.250	ng	99
81) Benzo(a)anthracene	14.045	228	69805	5.039	ng	99
83) Chrysene	14.074	228	81641	6.384	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	37950	2.416	ng	95
88) Benzo(b)fluoranthene	15.104	252	101786m	8.180	ng	
89) Benzo(k)fluoranthene	15.121	252	27326m	2.346	ng	
90) Benzo(a)pyrene	15.474	252	54068	4.710	ng	# 97
92) Benzo(g,h,i)perylene	17.486	276	35184	2.824	ng	93

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

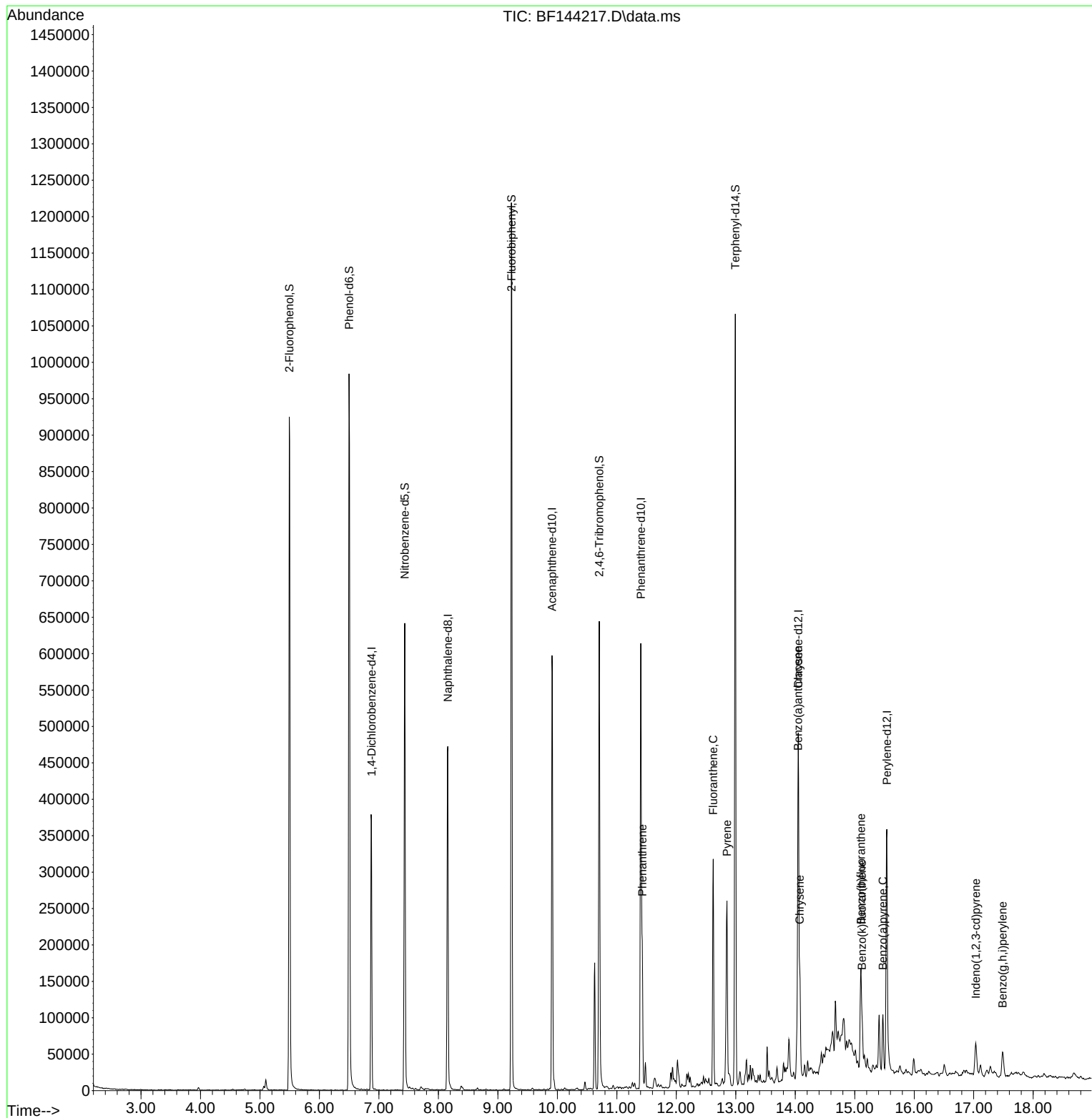
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144217.D
Acq On : 11 Nov 2025 22:27
Operator : RC/JU
Sample : Q3581-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

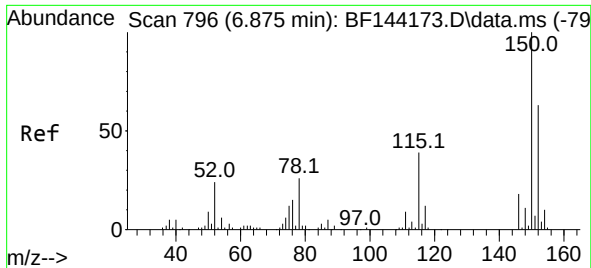
Instrument :
BNA_F
ClientSampleId :
VNJ-240

Quant Time: Nov 12 03:46:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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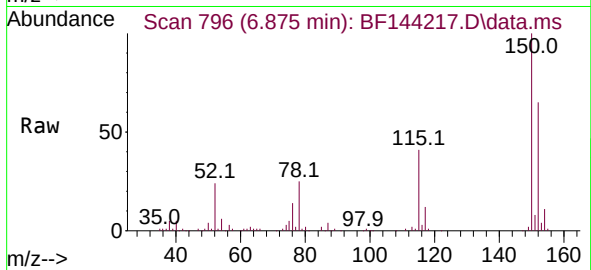
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27

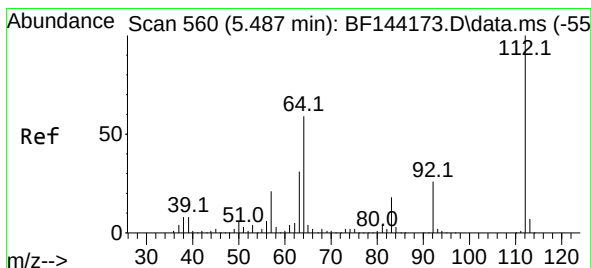
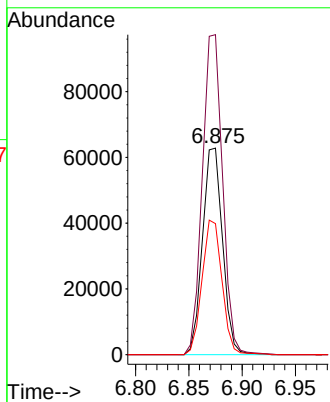
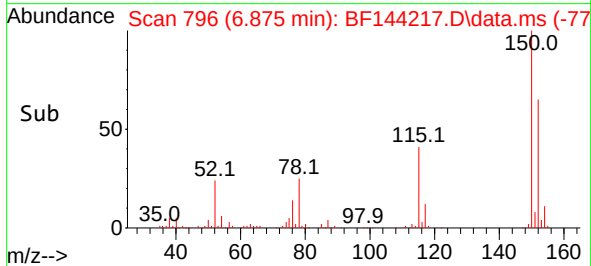
Instrument :
BNA_F
ClientSampleId :
VNJ-240



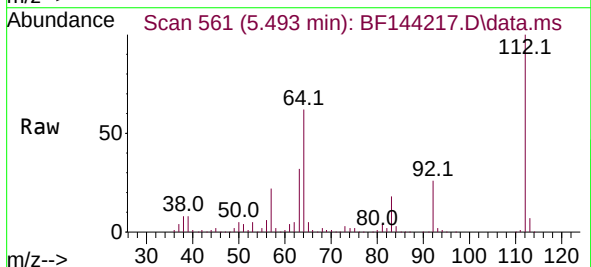
Tgt Ion:152 Resp: 82239
Ion Ratio Lower Upper
152 100
150 154.9 127.4 191.0
115 63.5 49.5 74.3

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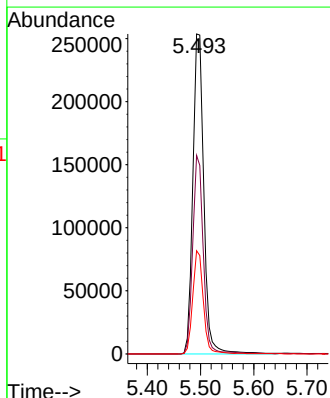
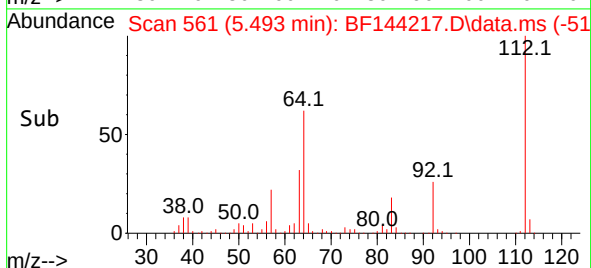
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

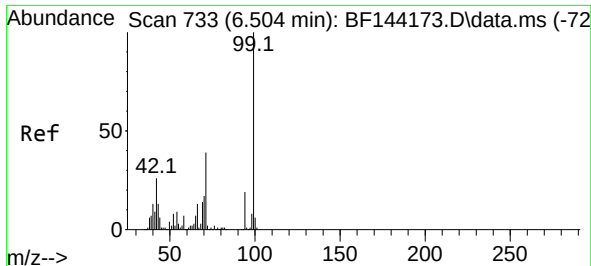


#5
2-Fluorophenol
Concen: 69.320 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27



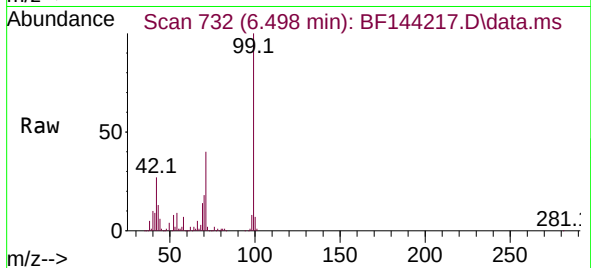
Tgt Ion:112 Resp: 364299
Ion Ratio Lower Upper
112 100
64 62.0 47.2 70.8
63 32.2 24.4 36.6





#7
Phenol-d6
Concen: 71.627 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27

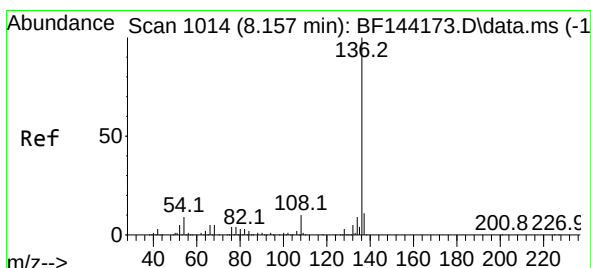
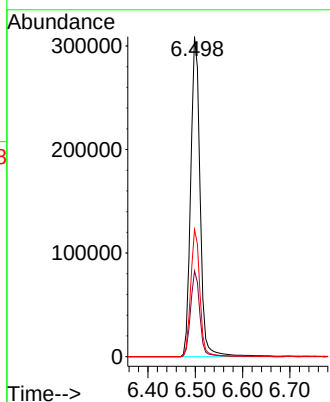
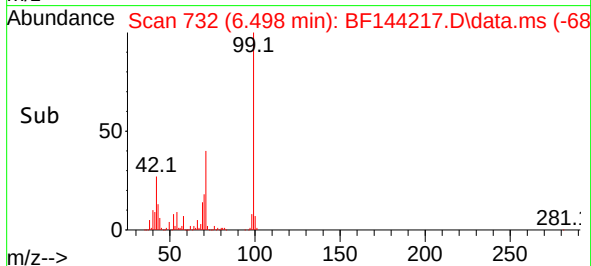
Instrument :
BNA_F
ClientSampleId :
VNJ-240



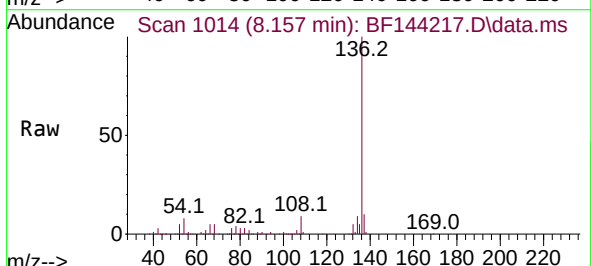
Tgt Ion: 99 Resp: 426514
Ion Ratio Lower Upper
99 100
42 26.8 20.9 31.3
71 39.7 31.4 47.2

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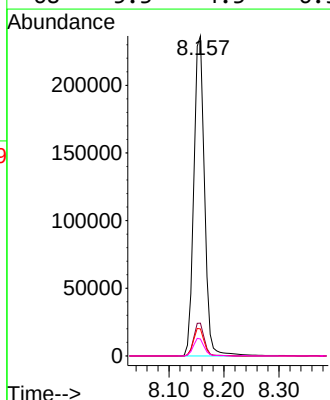
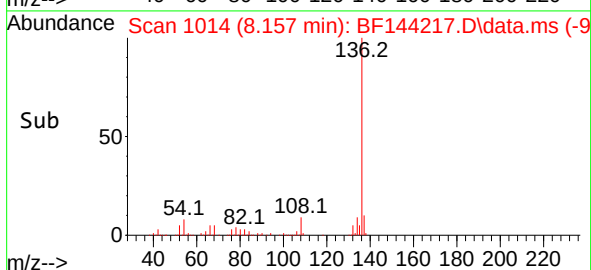
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

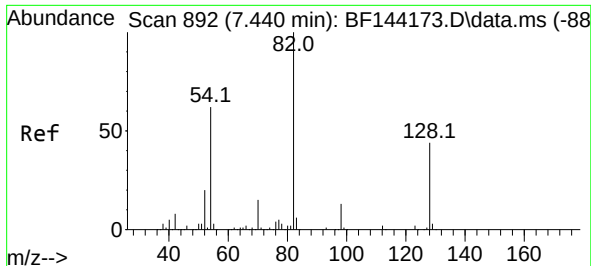


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27



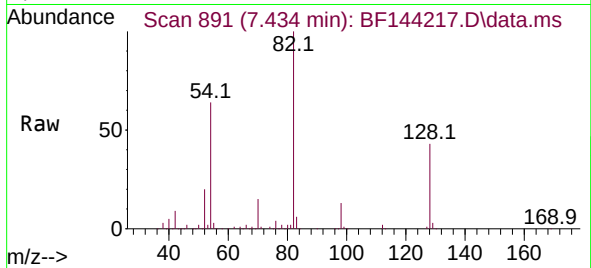
Tgt Ion:136 Resp: 320494
Ion Ratio Lower Upper
136 100
137 10.2 8.6 13.0
54 8.4 7.0 10.6
68 5.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 47.660 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27

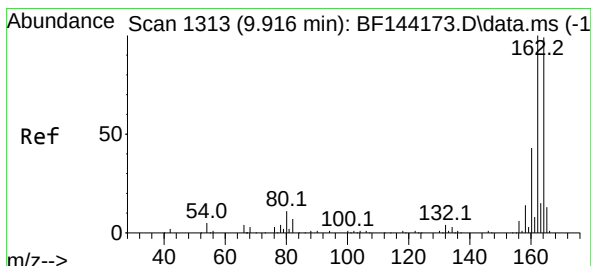
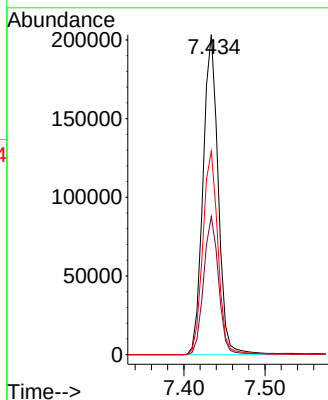
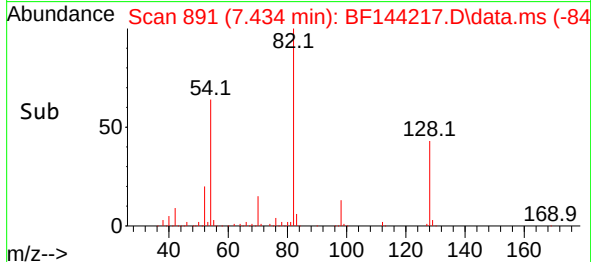
Instrument :
BNA_F
ClientSampleId :
VNJ-240



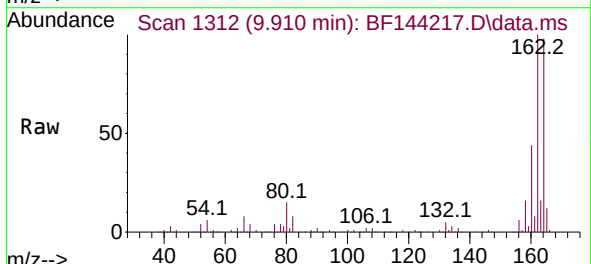
Tgt Ion: 82 Resp: 264476
Ion Ratio Lower Upper
82 100
128 43.1 34.7 52.1
54 63.6 49.5 74.3

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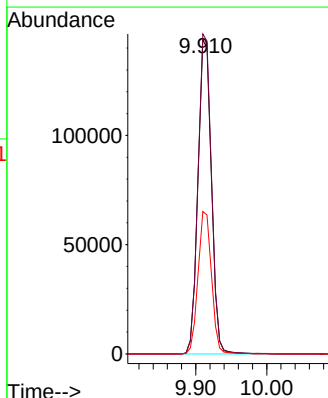
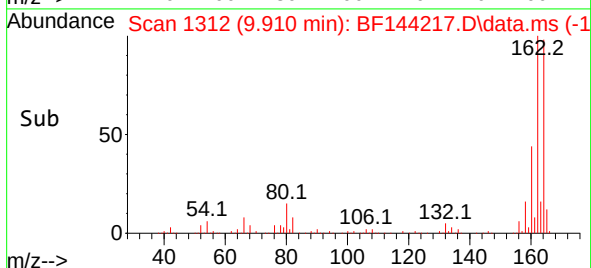
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

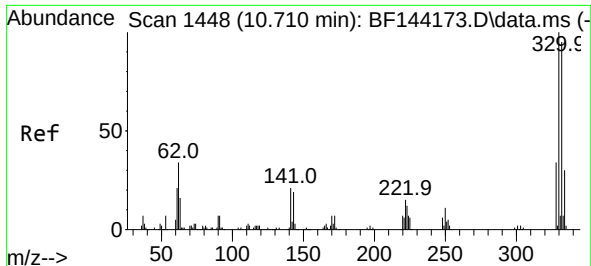


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27



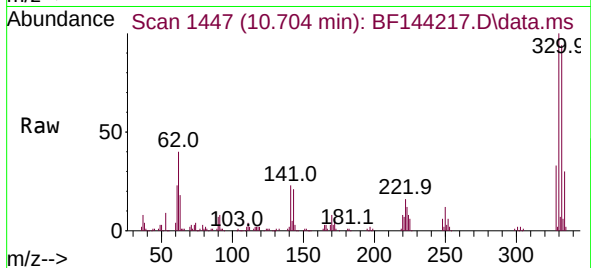
Tgt Ion:164 Resp: 188432
Ion Ratio Lower Upper
164 100
162 101.8 81.1 121.7
160 45.3 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 57.454 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27

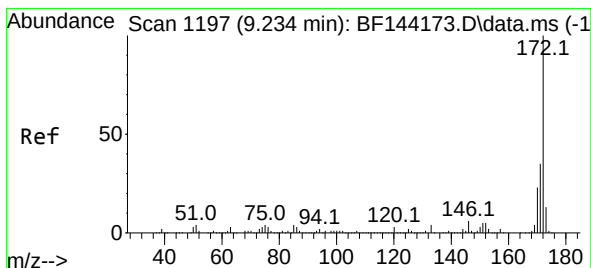
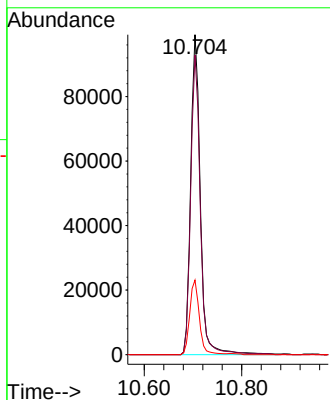
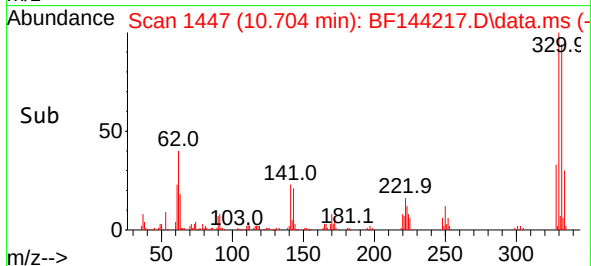
Instrument :
BNA_F
ClientSampleId :
VNJ-240



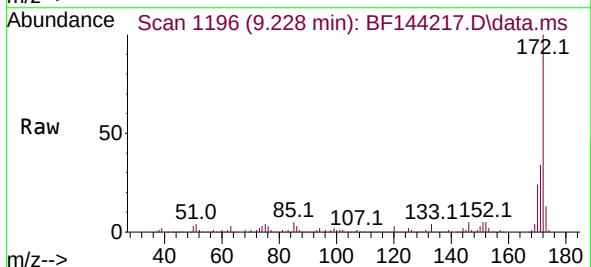
Tgt Ion:330 Resp: 135855
Ion Ratio Lower Upper
330 100
332 92.9 76.7 115.1
141 23.1 17.8 26.8

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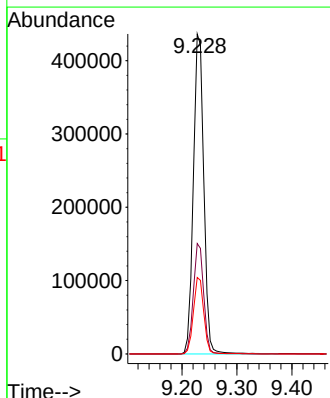
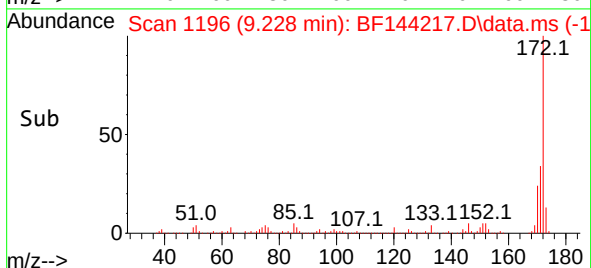
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

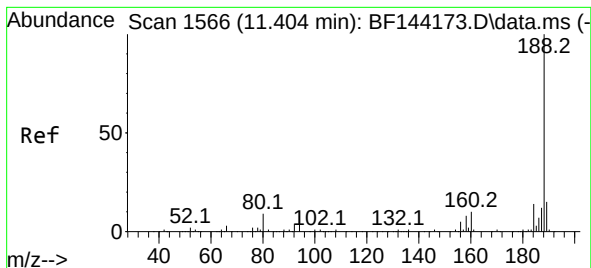


#45
2-Fluorobiphenyl
Concen: 45.184 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27



Tgt Ion:172 Resp: 576468
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.9 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.000 min

Lab File: BF144217.D

Acq: 11 Nov 2025 22:27

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:188 Resp: 329848

Ion Ratio Lower Upper

188 100

94 7.4 6.2 9.2

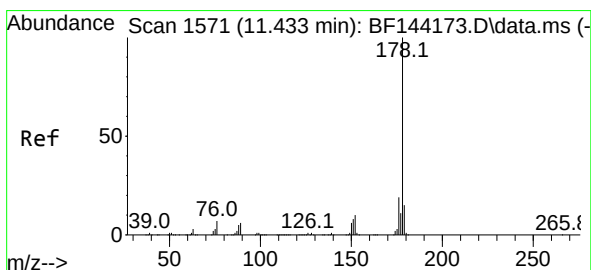
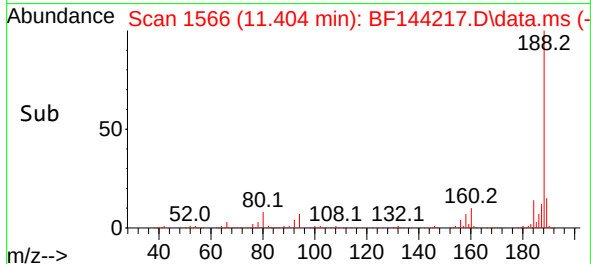
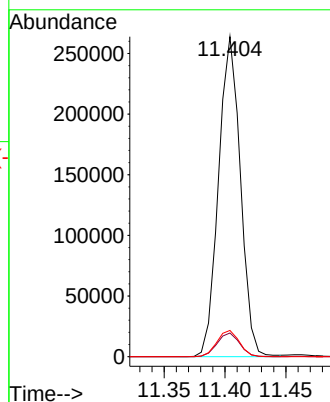
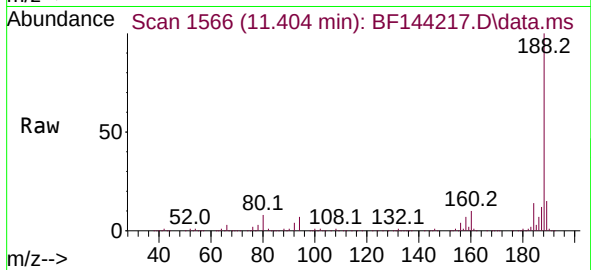
80 8.2 6.9 10.3

Manual Integrations

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#71

Phenanthrene

Concen: 6.655 ng

RT: 11.428 min Scan# 1570

Delta R.T. -0.000 min

Lab File: BF144217.D

Acq: 11 Nov 2025 22:27

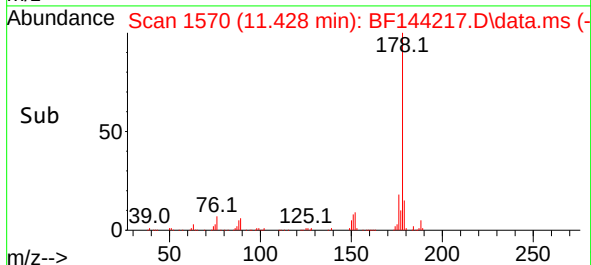
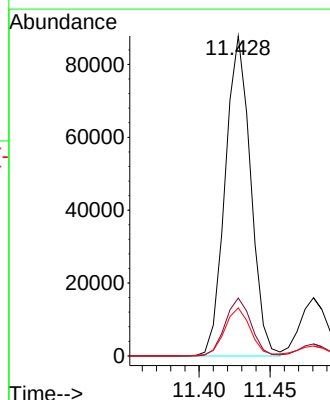
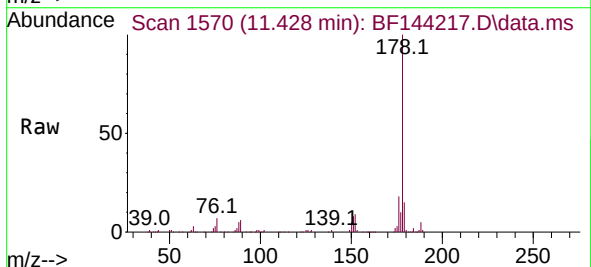
Tgt Ion:178 Resp: 109298

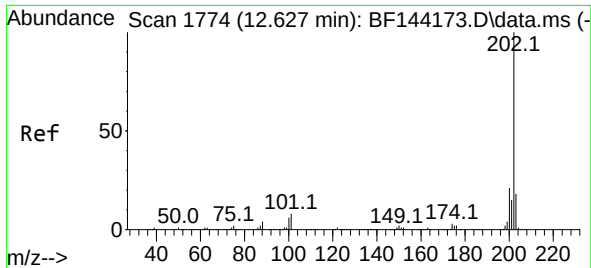
Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

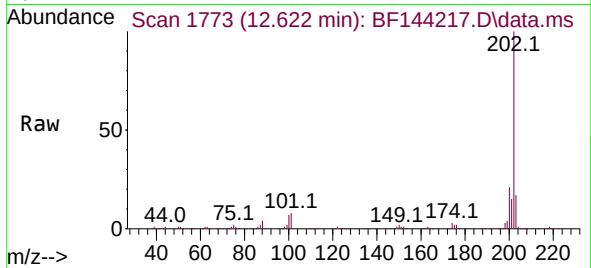
179 15.0 12.2 18.4





#75
Fluoranthene
Concen: 10.915 ng
RT: 12.622 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27

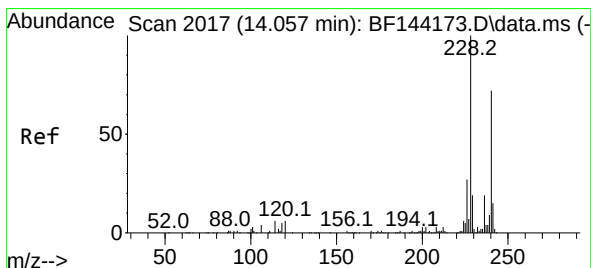
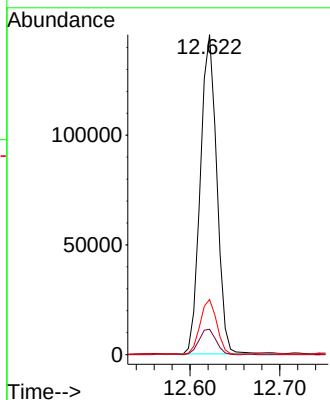
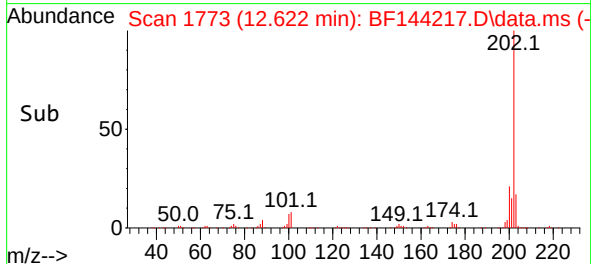
Instrument :
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ClientSampleId :
VNJ-240



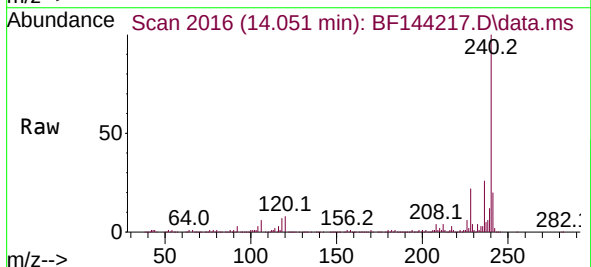
Tgt Ion:202 Resp: 185176
Ion Ratio Lower Upper
202 100
101 7.9 0.0 27.9
203 17.2 0.0 37.5

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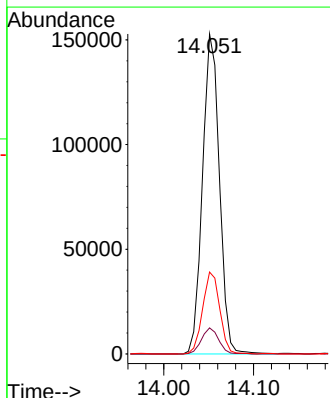
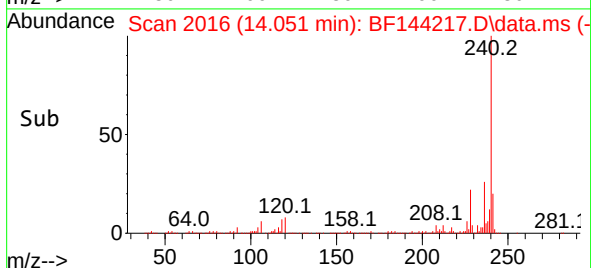
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

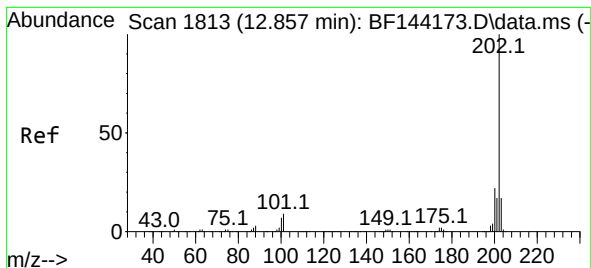


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27



Tgt Ion:240 Resp: 199878
Ion Ratio Lower Upper
240 100
120 8.1 6.6 10.0
236 25.6 21.4 32.2





#78

Pyrene

Concen: 9.250 ng

RT: 12.851 min Scan# 1813

Delta R.T. -0.000 min

Lab File: BF144217.D

Acq: 11 Nov 2025 22:27

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:202 Resp: 149075

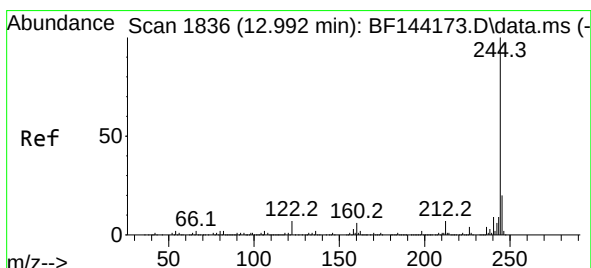
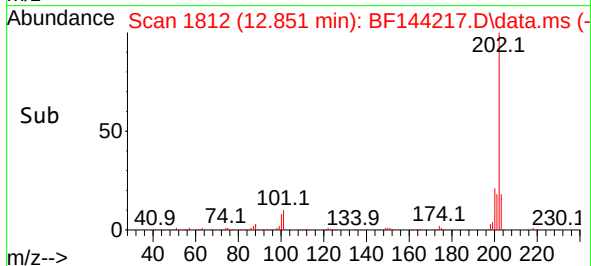
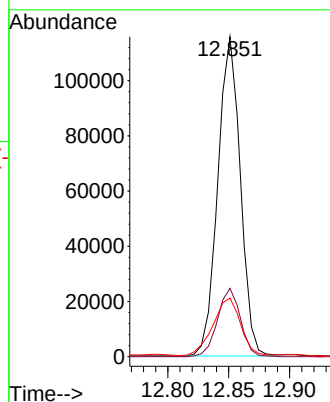
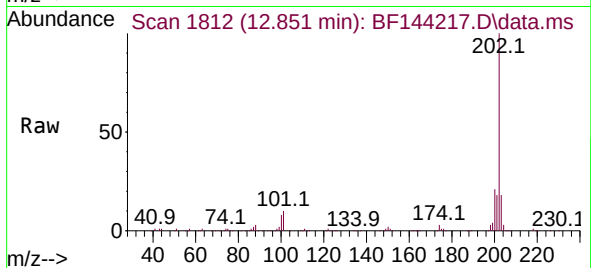
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	18.3	13.7	20.5

Manual Integrations

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#79

Terphenyl-d14

Concen: 44.340 ng

RT: 12.992 min Scan# 1836

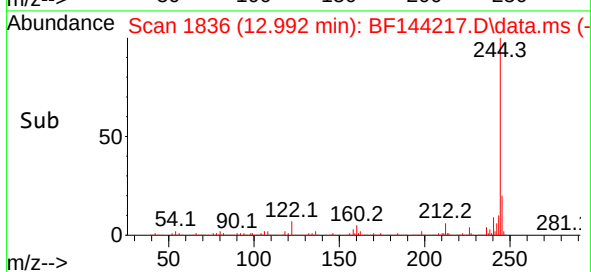
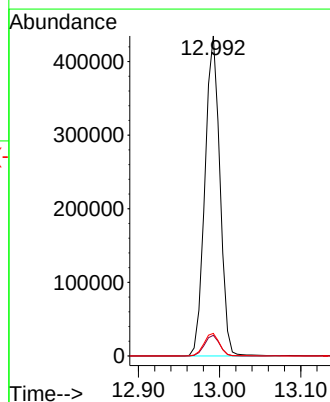
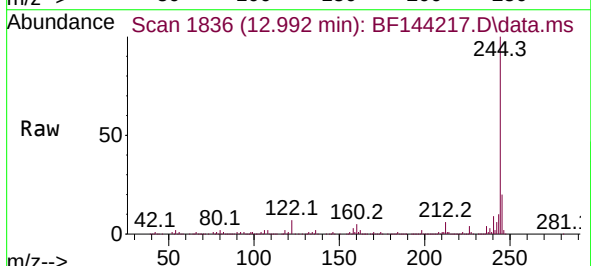
Delta R.T. -0.000 min

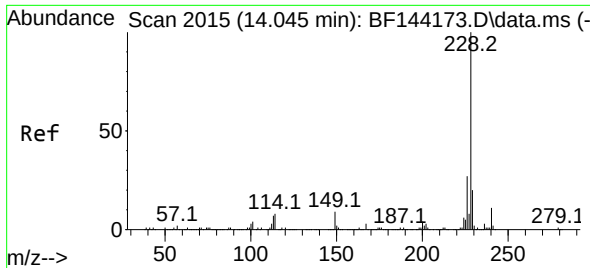
Lab File: BF144217.D

Acq: 11 Nov 2025 22:27

Tgt Ion:244 Resp: 557958

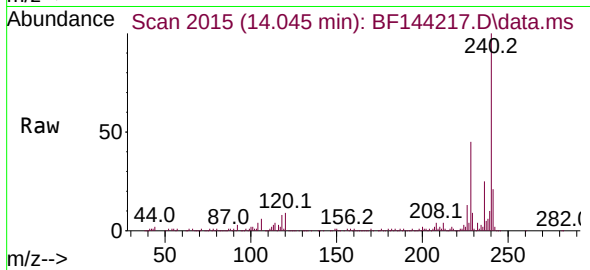
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.3	7.9
122	7.0	5.6	8.4





#81
Benzo(a)anthracene
Concen: 5.039 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27

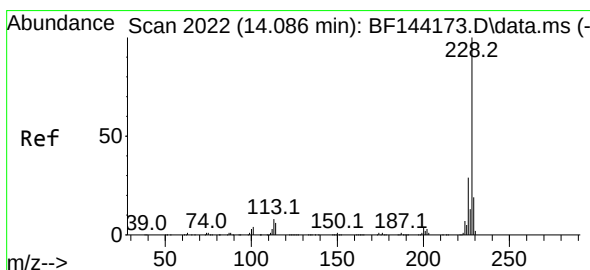
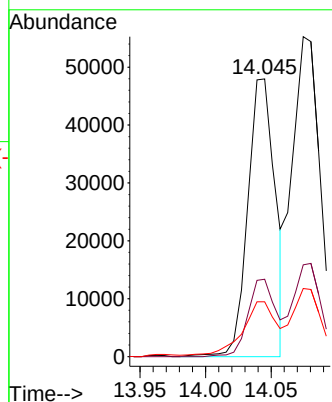
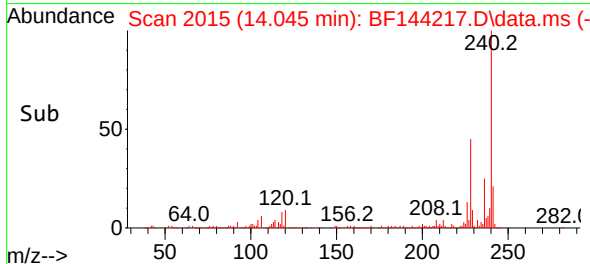
Instrument :
BNA_F
ClientSampleId :
VNJ-240



Tgt Ion:228 Resp: 69805
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 19.8 15.8 23.6

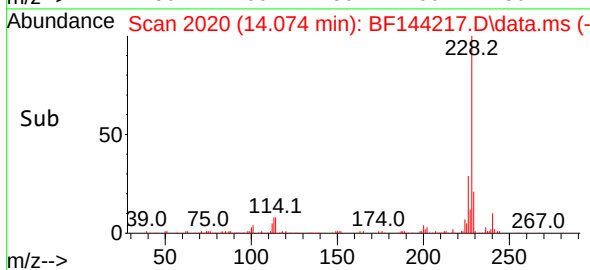
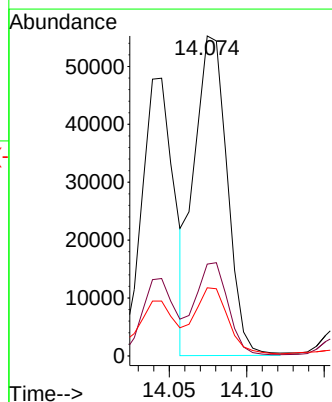
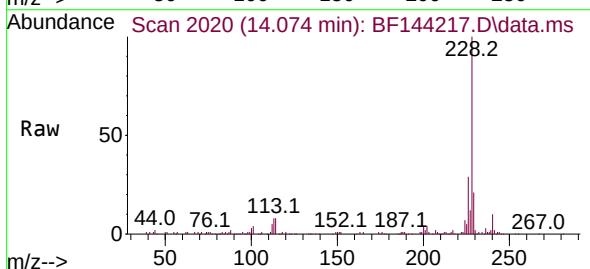
Manual Integrations
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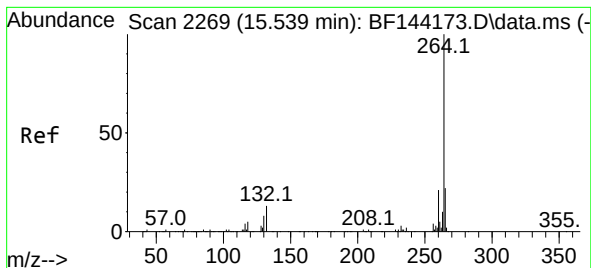
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#83
Chrysene
Concen: 6.384 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27

Tgt Ion:228 Resp: 81641
Ion Ratio Lower Upper
228 100
226 28.7 22.9 34.3
229 21.3 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF144217.D

Acq: 11 Nov 2025 22:27

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:264 Resp: 218860

Ion Ratio Lower Upper

264 100

260 21.8 17.1 25.7

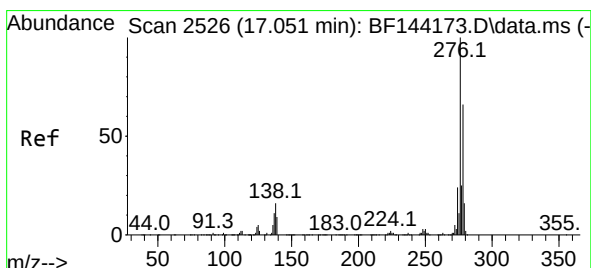
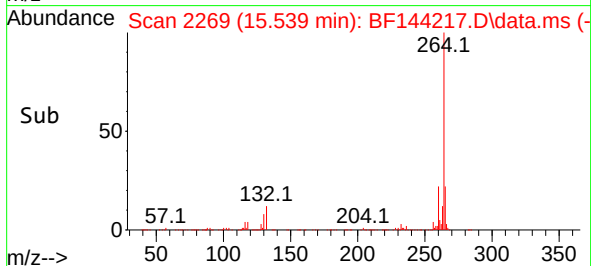
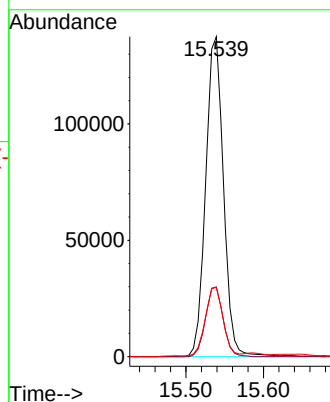
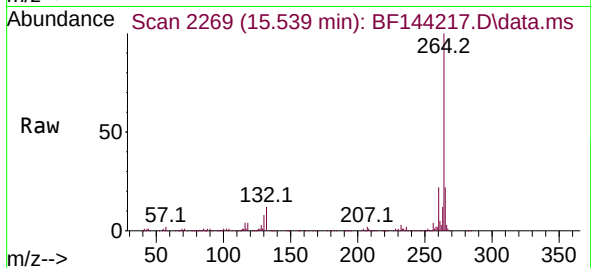
265 21.6 17.4 26.0

Manual Integrations

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Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.416 ng

RT: 17.033 min Scan# 2523

Delta R.T. -0.000 min

Lab File: BF144217.D

Acq: 11 Nov 2025 22:27

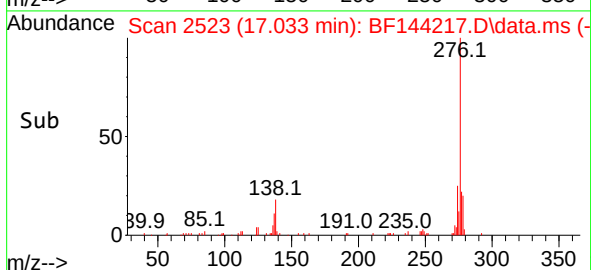
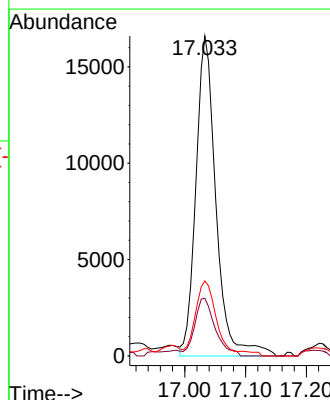
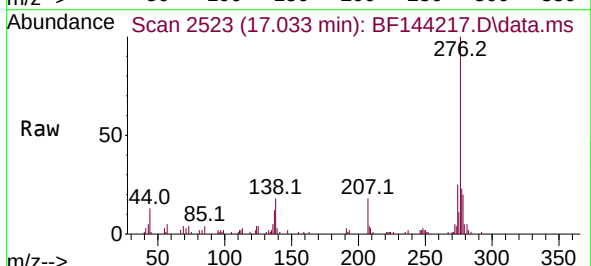
Tgt Ion:276 Resp: 37950

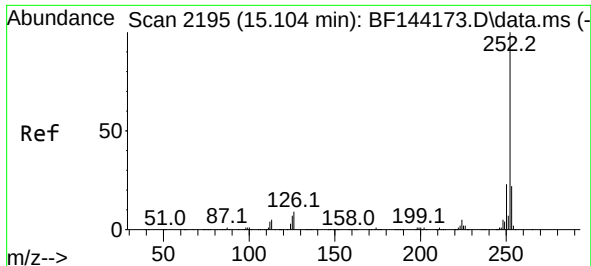
Ion Ratio Lower Upper

276 100

138 18.2 13.9 20.9

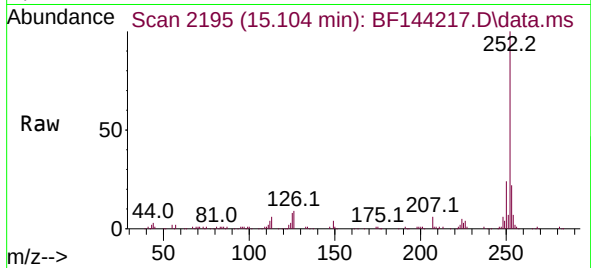
277 21.4 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 8.180 ng m
RT: 15.104 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27

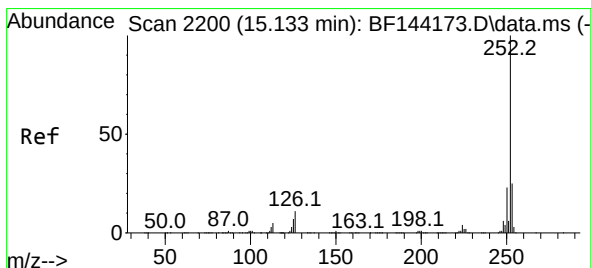
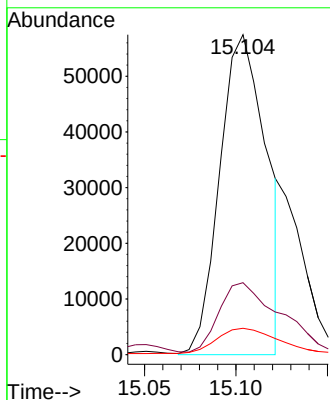
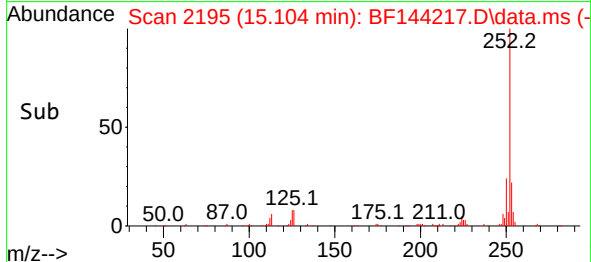
Instrument :
BNA_F
ClientSampleId :
VNJ-240



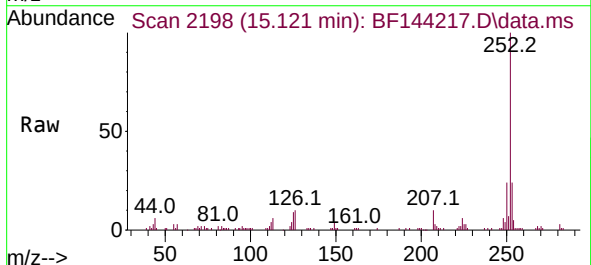
Tgt Ion:252 Resp: 101786
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 8.3 5.3 7.9

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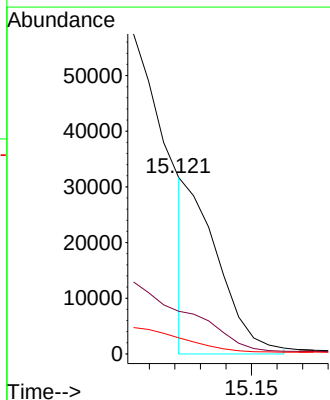
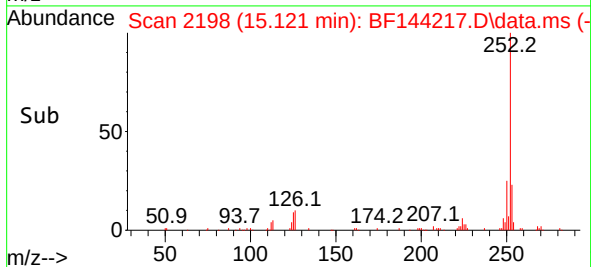
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

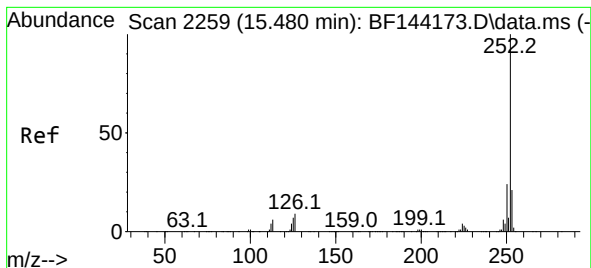


#89
Benzo(k)fluoranthene
Concen: 2.346 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF144217.D
Acq: 11 Nov 2025 22:27



Tgt Ion:252 Resp: 27326
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 9.1 5.4 8.2





#90

Benzo(a)pyrene

Concen: 4.710 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF144217.D

Acq: 11 Nov 2025 22:27

Instrument :

BNA_F

ClientSampleId :

VNJ-240

Tgt Ion:252 Resp: 54068

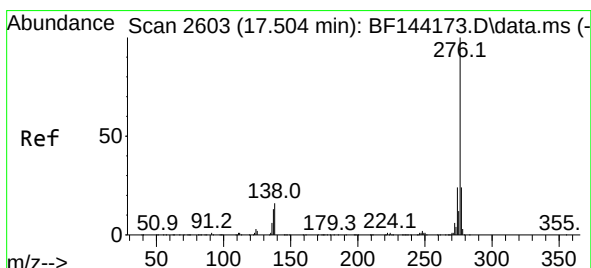
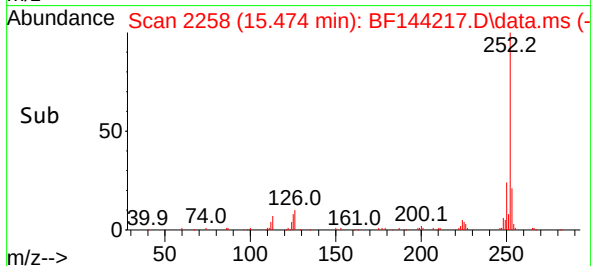
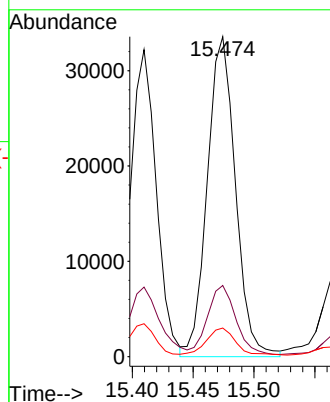
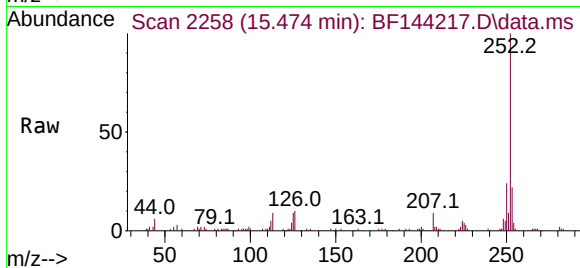
Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.7	25.1
125	8.9	5.7	8.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#92

Benzo(g,h,i)perylene

Concen: 2.824 ng

RT: 17.486 min Scan# 2600

Delta R.T. -0.006 min

Lab File: BF144217.D

Acq: 11 Nov 2025 22:27

Tgt Ion:276 Resp: 35184

Ion	Ratio	Lower	Upper
276	100		
277	26.8	19.0	28.4
138	19.2	12.9	19.3

