

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142431.D
 Acq On : 16 May 2025 17:14
 Operator : RC/JU
 Sample : Q2034-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L3-WC-2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

Quant Time: May 16 18:07:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	138560	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	521294	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	270485	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	404050	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	272045	20.000	ng	0.00
86) Perylene-d12	15.557	264	258273	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	579917	71.447	ng	0.00
7) Phenol-d6	6.516	99	713282	71.449	ng	0.00
23) Nitrobenzene-d5	7.457	82	418728	48.988	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	181111	69.352	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	824952	43.488	ng	0.00
79) Terphenyl-d14	13.010	244	552495	30.059	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	66652	3.147	ng	99
75) Fluoranthene	12.633	202	91487	4.321	ng	99
78) Pyrene	12.863	202	80426	3.321	ng	98
81) Benzo(a)anthracene	14.051	228	40701	2.310	ng	95
83) Chrysene	14.086	228	41032	2.502	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	3934	4.627	ng	# 97
88) Benzo(b)fluoranthene	15.115	252	53432m	3.416	ng	
90) Benzo(a)pyrene	15.486	252	31453	2.244	ng	98

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

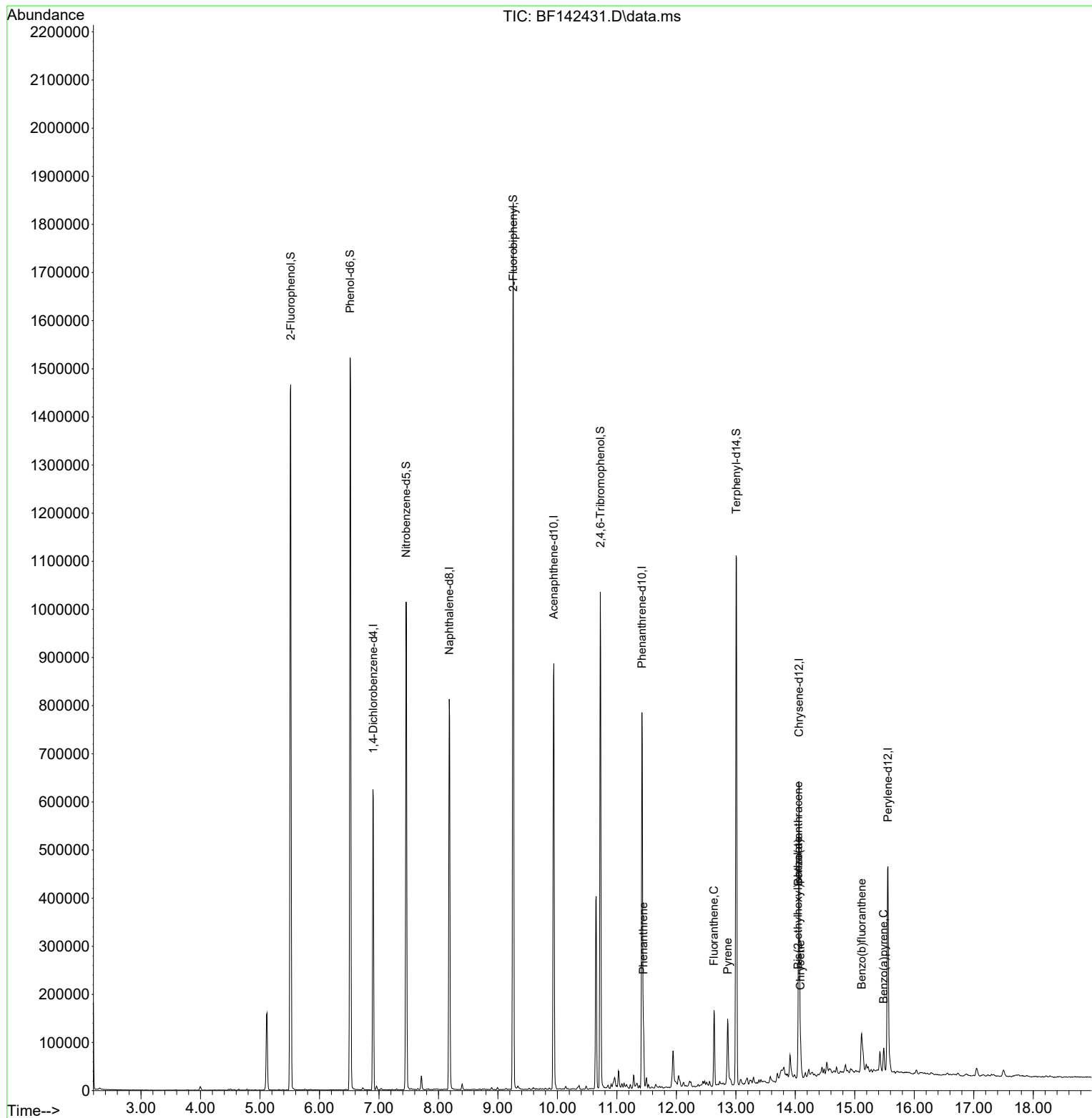
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142431.D
Acq On : 16 May 2025 17:14
Operator : RC/JU
Sample : Q2034-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

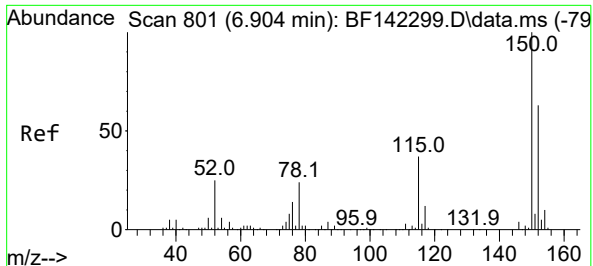
Instrument :
BNA_F
ClientSampleId :
L3-WC-2

Quant Time: May 16 18:07:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

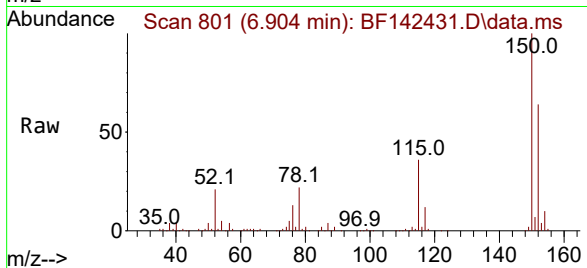
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

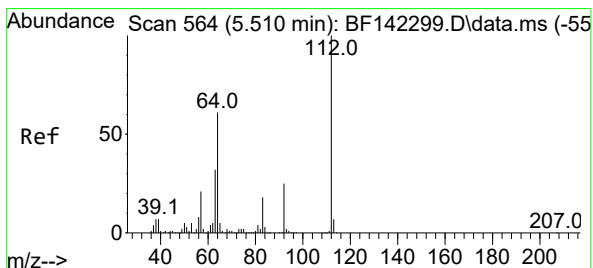
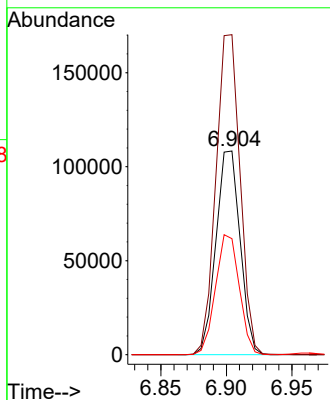
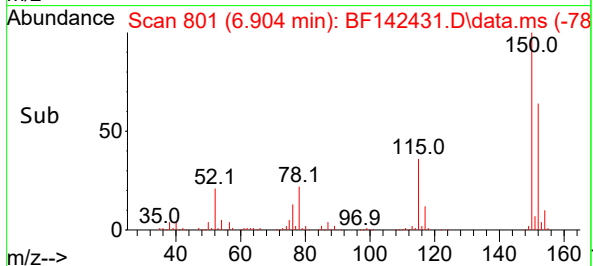
Instrument :
BNA_F
ClientSampleId :
L3-WC-2



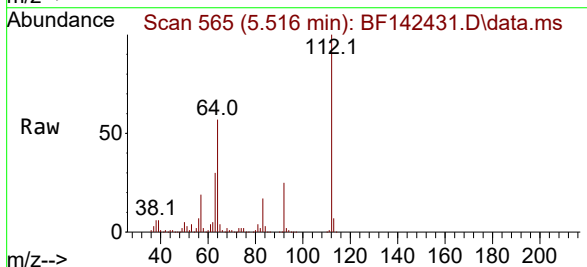
Tgt Ion:152 Resp: 138560
Ion Ratio Lower Upper
152 100
150 157.2 126.6 190.0
115 57.0 47.3 70.9

Manual Integrations
APPROVED

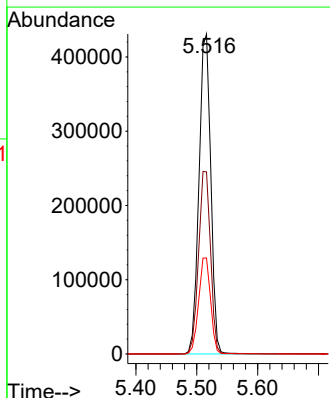
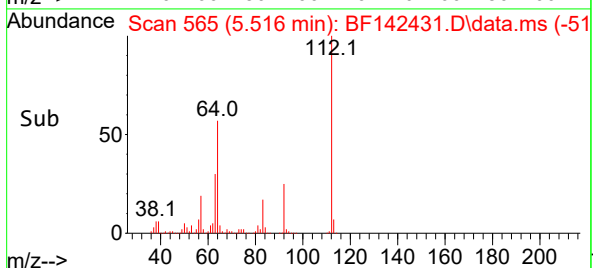
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

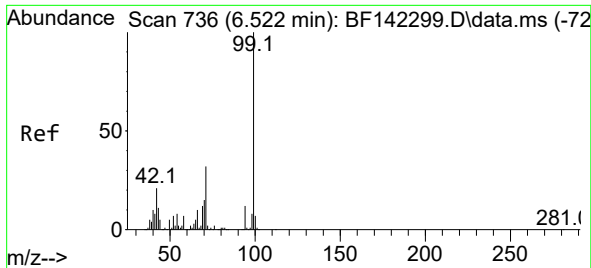


#5
2-Fluorophenol
Concen: 71.447 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14



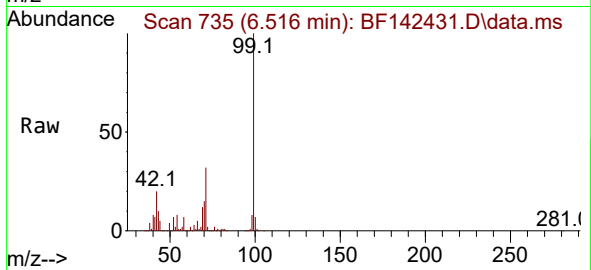
Tgt Ion:112 Resp: 579917
Ion Ratio Lower Upper
112 100
64 56.9 48.9 73.3
63 30.0 25.6 38.4





#7
Phenol-d6
Concen: 71.449 ng
RT: 6.516 min Scan# 71328
Delta R.T. -0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

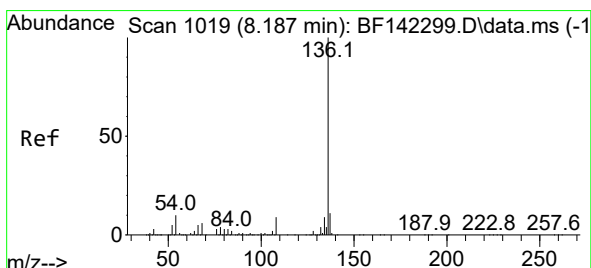
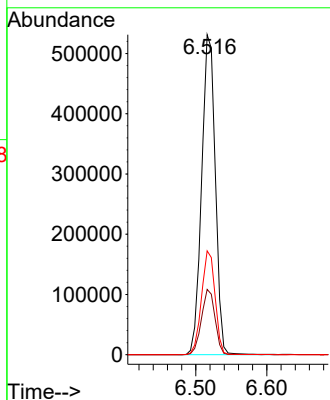
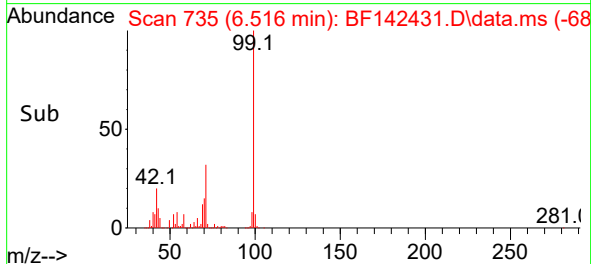
Instrument :
BNA_F
ClientSampleId :
L3-WC-2



Tgt Ion: 99 Resp: 71328
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.4
71 32.5 25.8 38.8

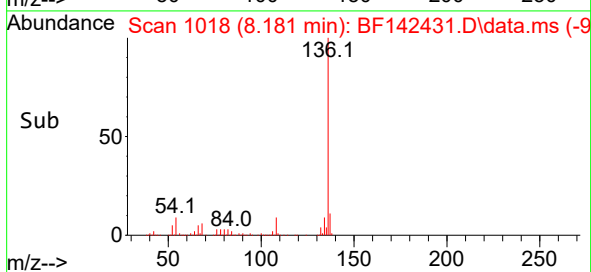
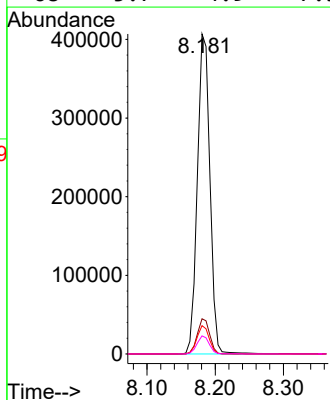
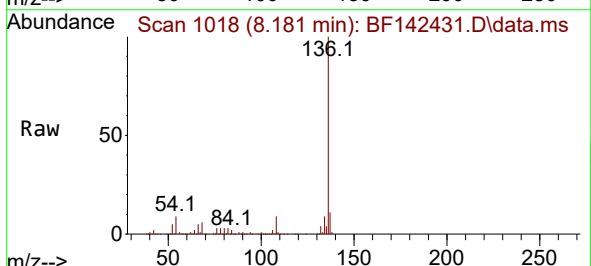
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:136 Resp: 521294
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.8 7.7 11.5
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 48.988 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142431.D

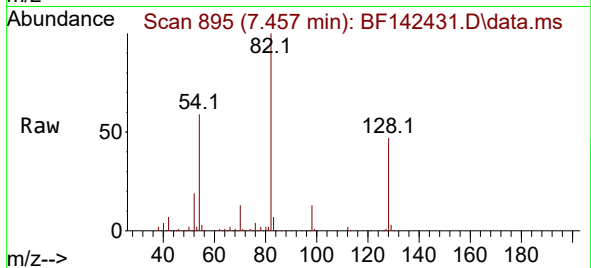
Acq: 16 May 2025 17:14

Instrument :

BNA_F

ClientSampleId :

L3-WC-2



Tgt Ion: 82 Resp: 418728

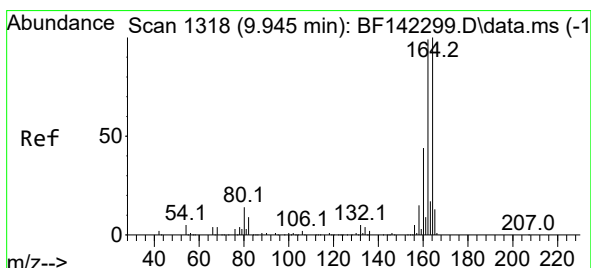
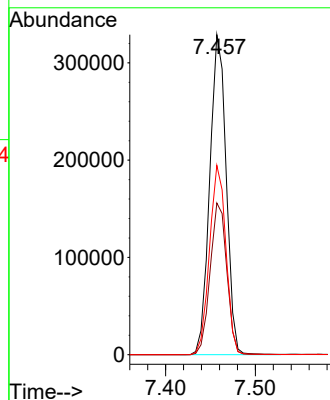
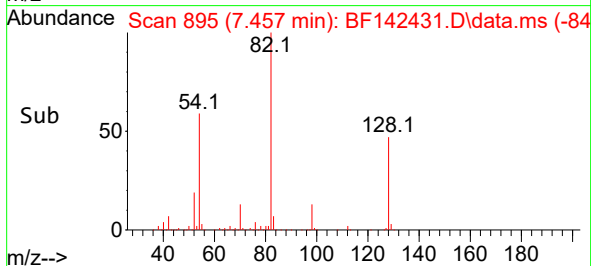
Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.0	55.6
54	59.2	48.6	73.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

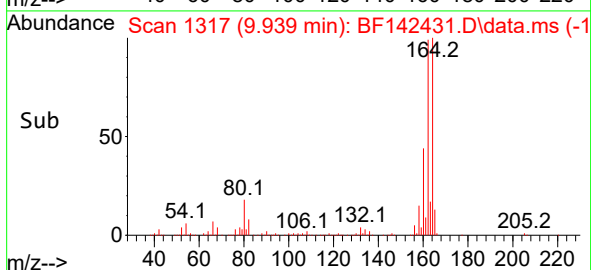
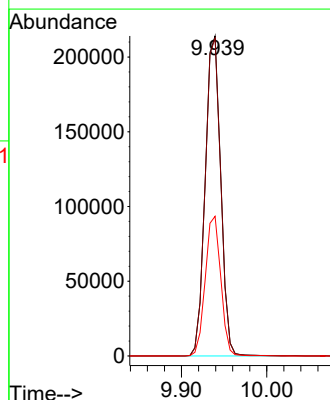
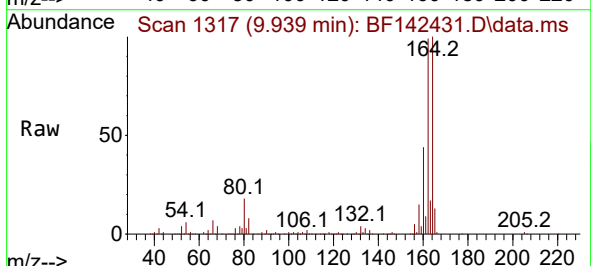
Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Tgt Ion:164 Resp: 270485

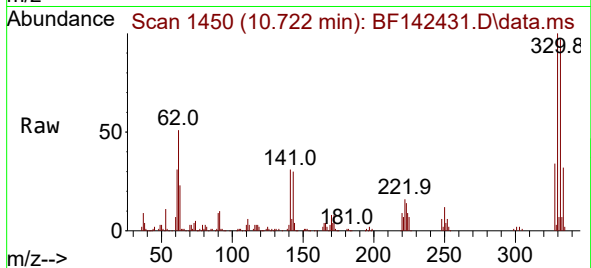
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.2	118.8
160	43.7	35.3	52.9





#42
2,4,6-Tribromophenol
Concen: 69.352 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

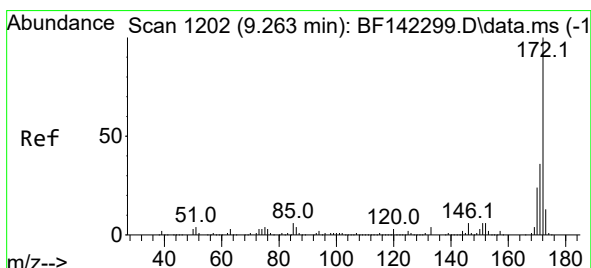
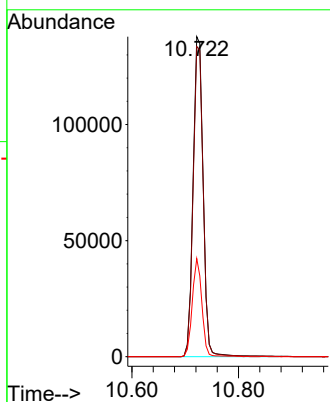
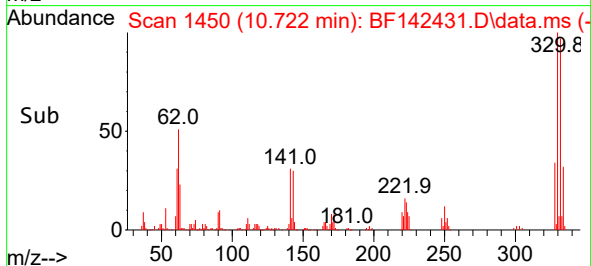
Instrument :
BNA_F
ClientSampleId :
L3-WC-2



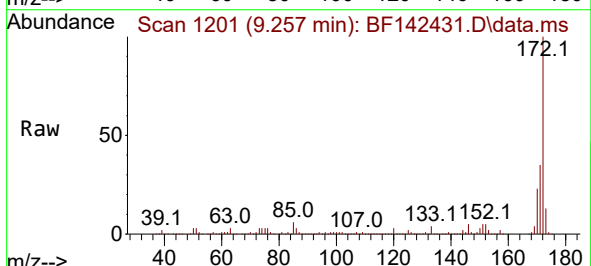
Tgt Ion: 330 Resp: 18111
Ion Ratio Lower Upper
330 100
332 97.1 76.8 115.2
141 29.3 24.9 37.3

Manual Integrations
APPROVED

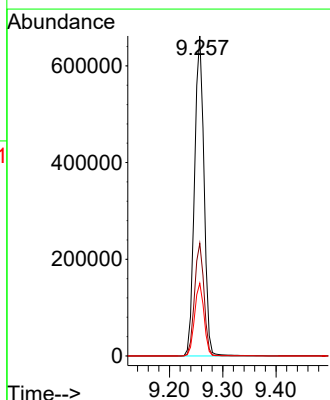
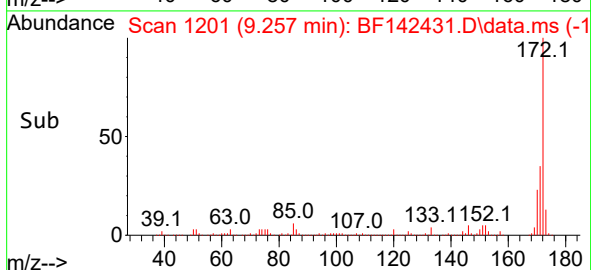
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

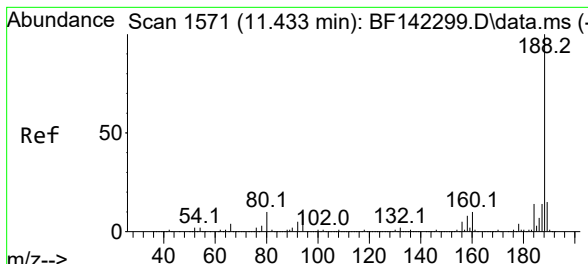


#45
2-Fluorobiphenyl
Concen: 43.488 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14



Tgt Ion: 172 Resp: 824952
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.7 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Instrument :

BNA_F

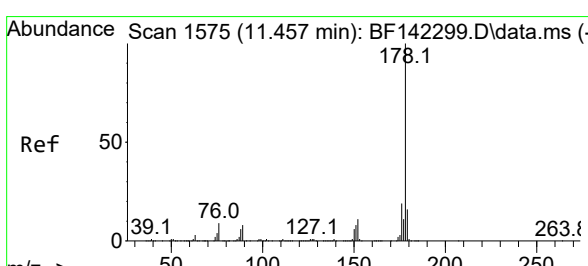
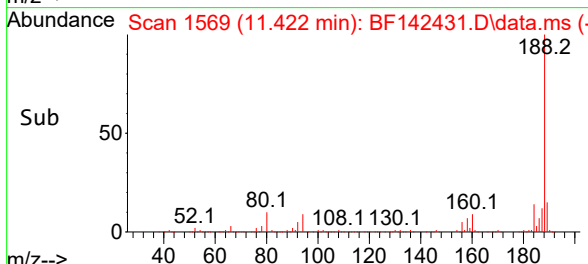
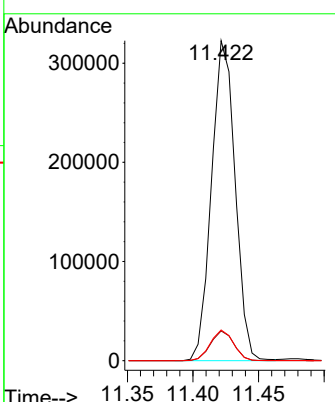
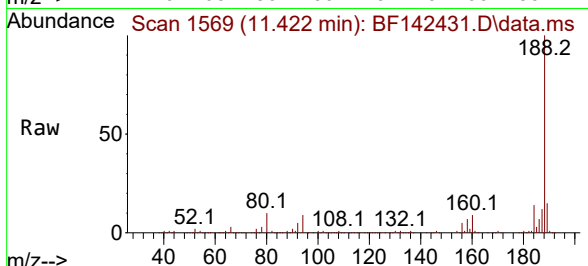
ClientSampleId :

L3-WC-2

Tgt Ion:188	Resp: 404050
Ion Ratio	Lower Upper
188	100
94	9.3 7.5 11.3
80	9.6 7.9 11.9

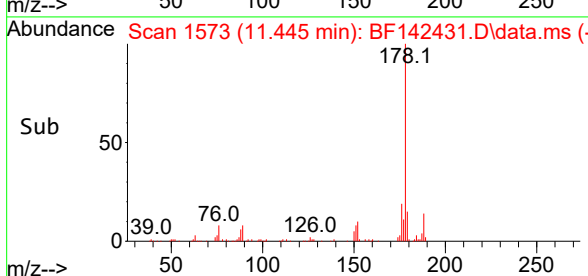
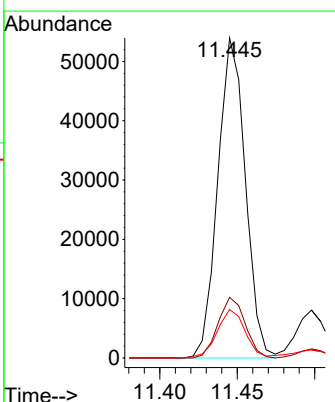
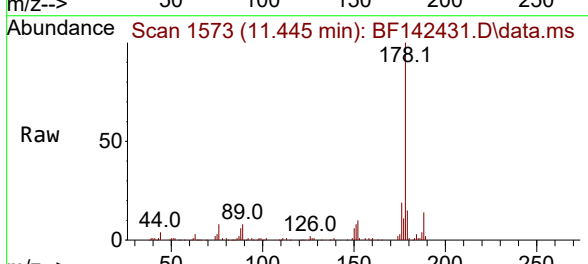
Manual Integrations
APPROVED

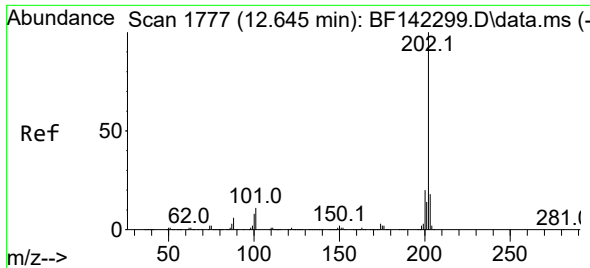
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#71
Phenanthrene
Concen: 3.147 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

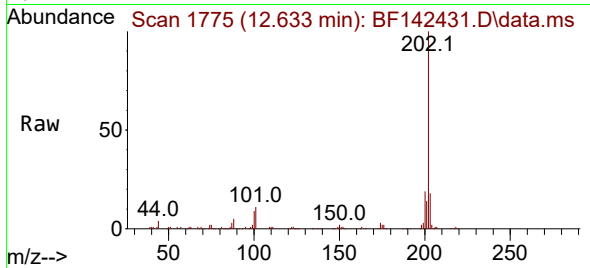
Tgt Ion:178	Resp: 66652
Ion Ratio	Lower Upper
178	100
176	18.9 15.5 23.3
179	15.2 12.6 18.8





#75
Fluoranthene
Concen: 4.321 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

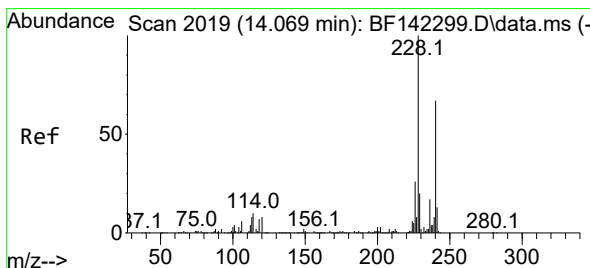
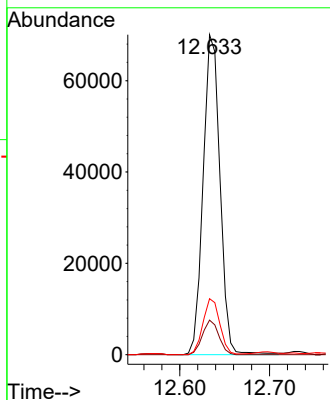
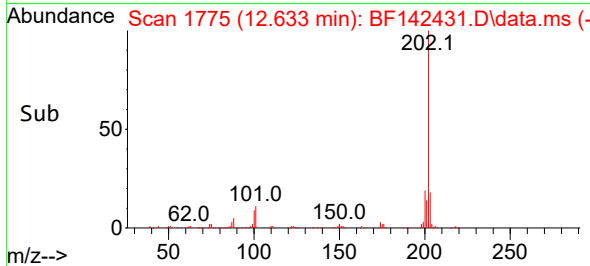
Instrument :
BNA_F
ClientSampleId :
L3-WC-2



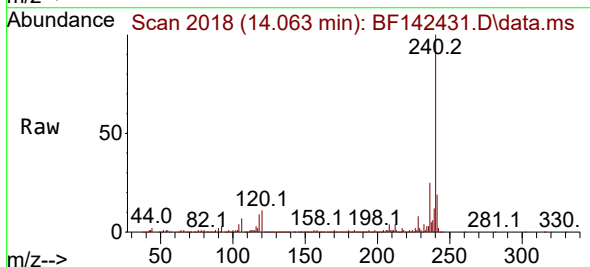
Tgt Ion:202 Resp: 9148
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 17.5 0.0 37.9

Manual Integrations
APPROVED

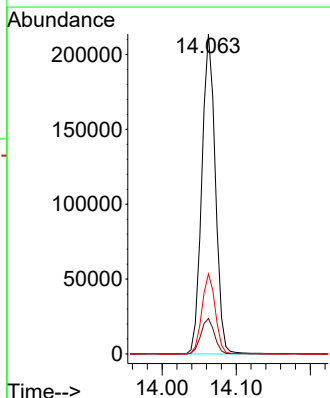
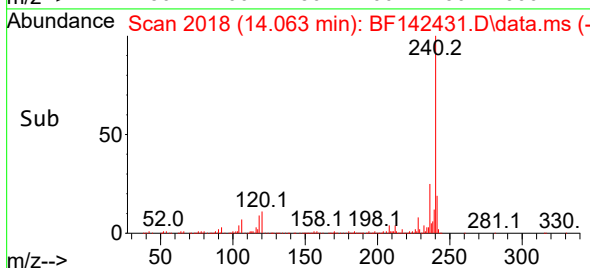
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

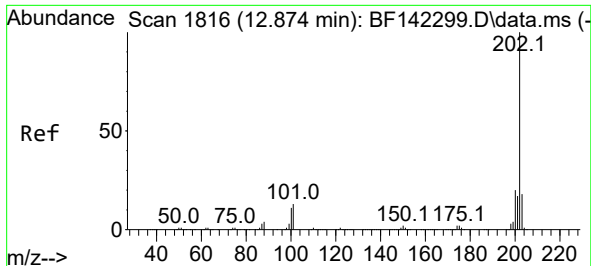


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14



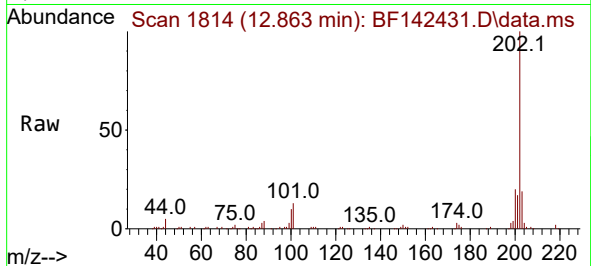
Tgt Ion:240 Resp: 272045
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 25.0 20.0 30.0





#78
Pyrene
Concen: 3.321 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

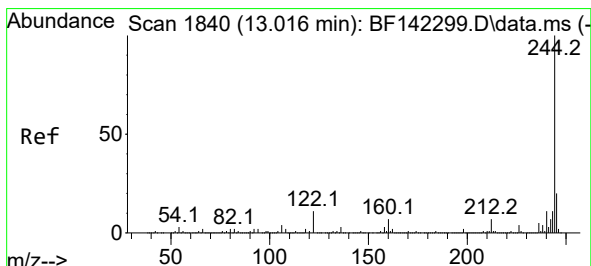
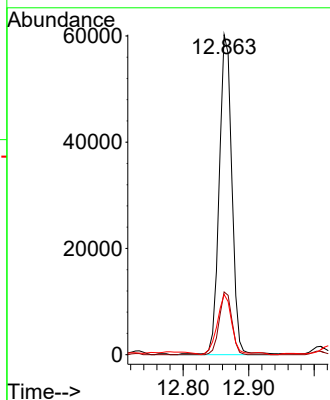
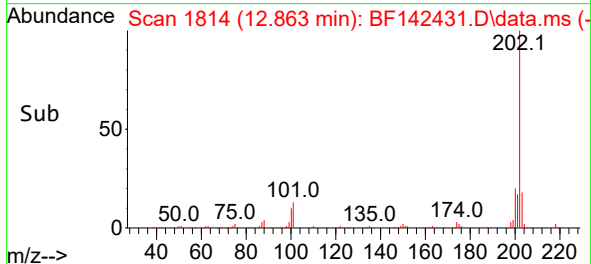
Instrument :
BNA_F
ClientSampleId :
L3-WC-2



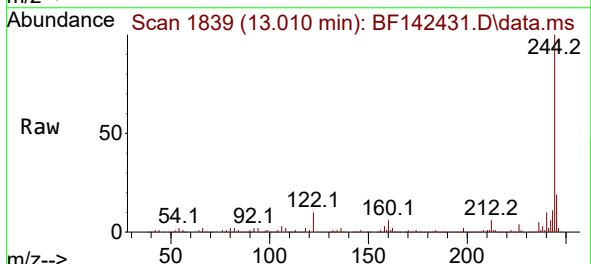
Tgt Ion:202 Resp: 80420
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.4
203 18.8 14.3 21.5

Manual Integrations
APPROVED

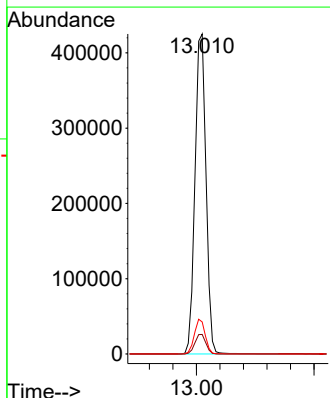
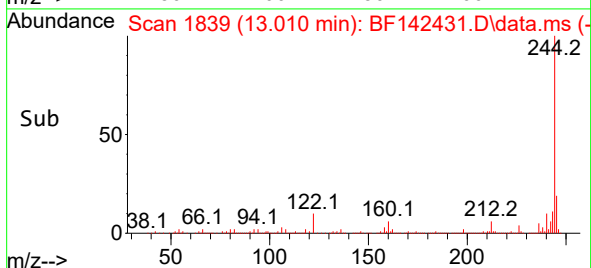
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

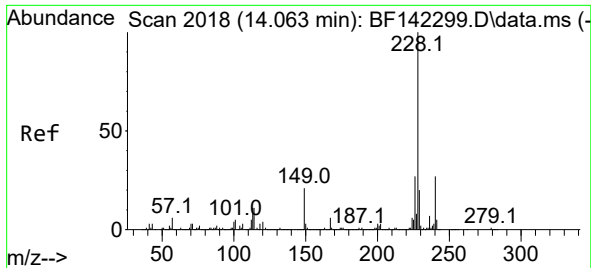


#79
Terphenyl-d14
Concen: 30.059 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14



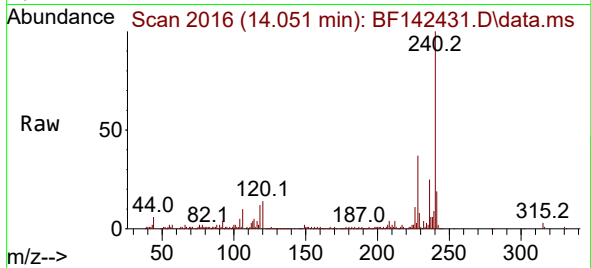
Tgt Ion:244 Resp: 552495
Ion Ratio Lower Upper
244 100
212 6.1 5.4 8.2
122 10.0 9.0 13.4





#81
Benzo(a)anthracene
Concen: 2.310 ng
RT: 14.051 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

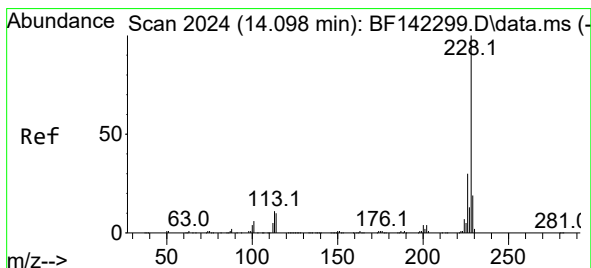
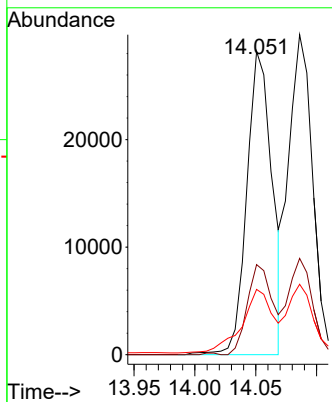
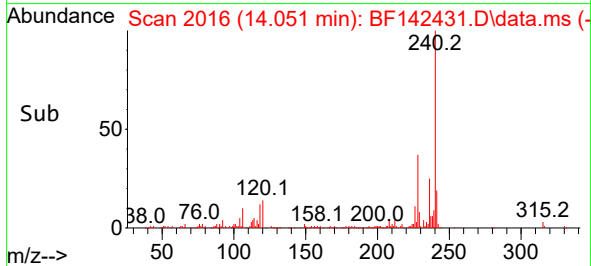
Instrument :
BNA_F
ClientSampleId :
L3-WC-2



Tgt Ion:228 Resp: 4070
Ion Ratio Lower Upper
228 100
226 29.7 21.5 32.3
229 21.5 15.9 23.9

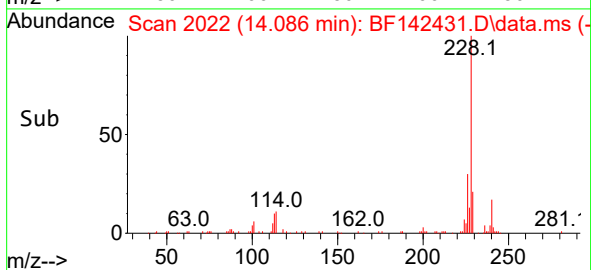
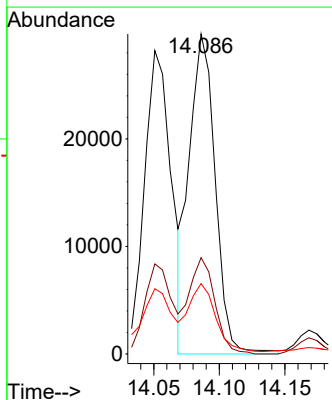
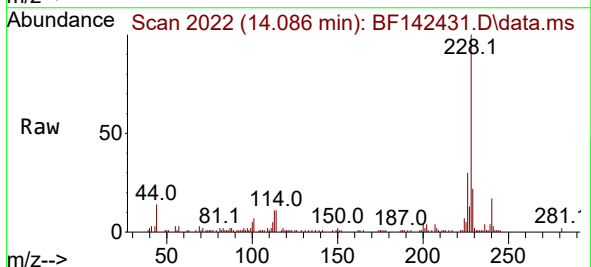
Manual Integrations
APPROVED

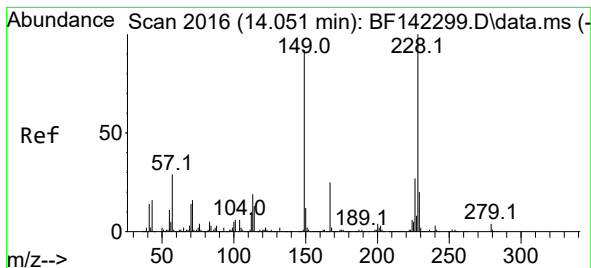
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#83
Chrysene
Concen: 2.502 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142431.D
Acq: 16 May 2025 17:14

Tgt Ion:228 Resp: 41032
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 22.0 15.4 23.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.627 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Instrument :

BNA_F

ClientSampleId :

L3-WC-2

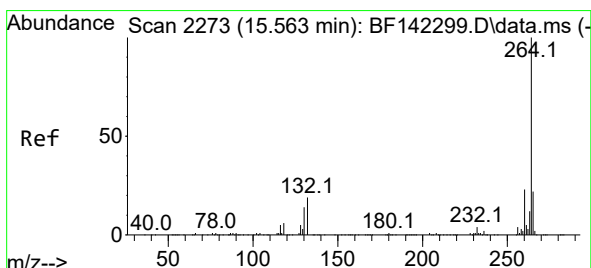
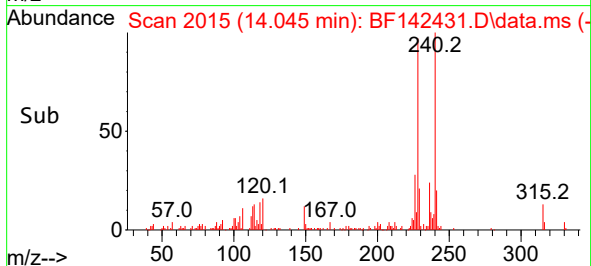
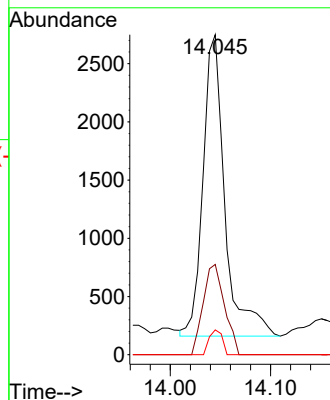
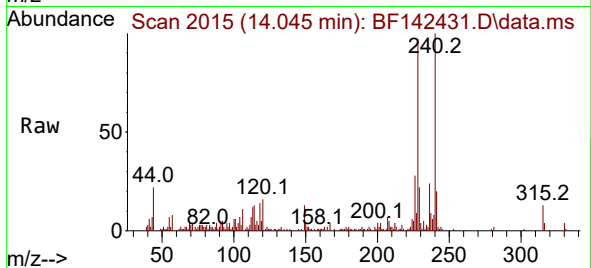
Tgt Ion:	149	Resp:	3934
Ion Ratio	Lower	Upper	
149	100		
167	28.2	22.0	33.0
279	7.7	3.0	4.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#86

Perylene-d12

Concen: 20.000 ng

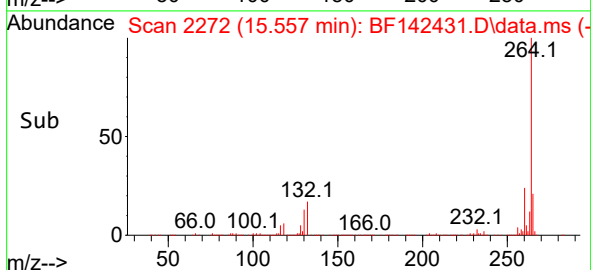
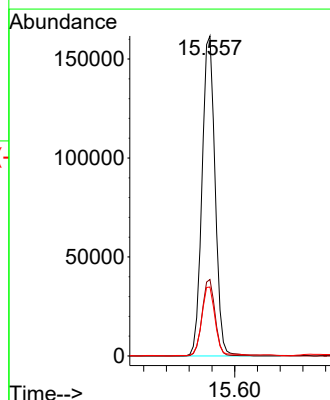
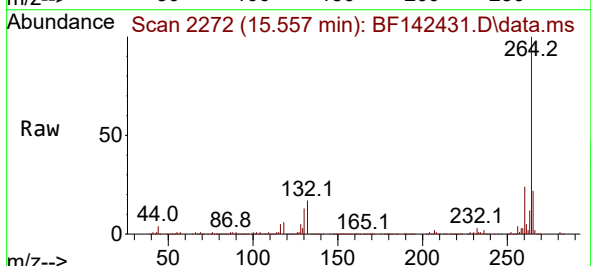
RT: 15.557 min Scan# 2272

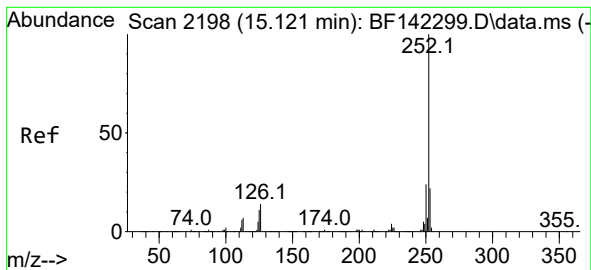
Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Tgt Ion:	264	Resp:	258273
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.6	27.8
265	21.6	17.5	26.3





#88

Benzo(b)fluoranthene

Concen: 3.416 ng m

RT: 15.115 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Instrument :

BNA_F

ClientSampleId :

L3-WC-2

Tgt Ion:252 Resp: 5343

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

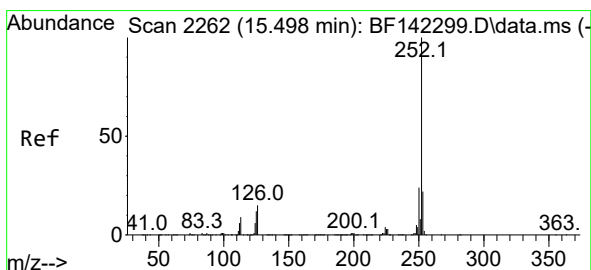
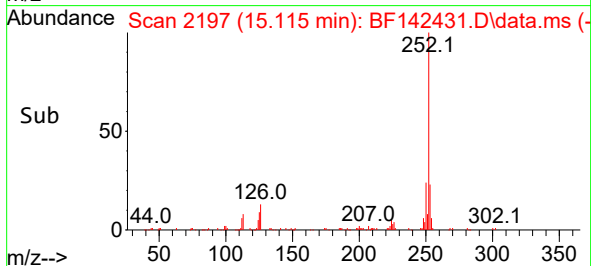
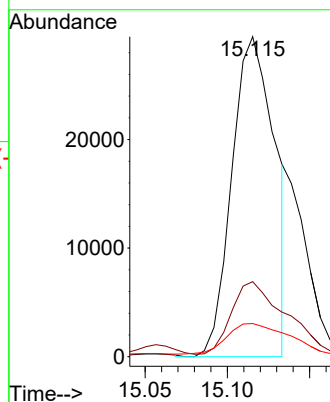
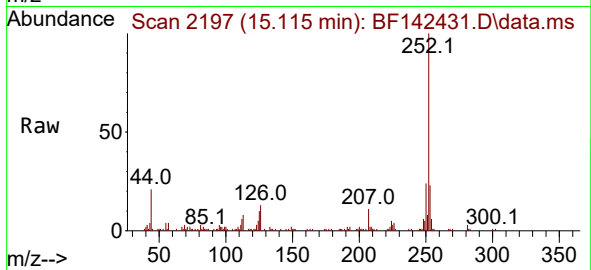
125 10.4 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#90

Benzo(a)pyrene

Concen: 2.244 ng

RT: 15.486 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF142431.D

Acq: 16 May 2025 17:14

Tgt Ion:252 Resp: 31453

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.6

125 12.6 9.4 14.0

