

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143302.D
 Acq On : 04 Aug 2025 18:03
 Operator : RC/JU
 Sample : Q2740-01DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-07312025DL

Quant Time: Aug 04 18:33:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/05/2025
 Supervised By :Jagrut Upadhyay 08/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	106513	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	366841	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	162236	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	273210	20.000	ng	0.00
76) Chrysene-d12	14.127	240	282099	20.000	ng	0.00
86) Perylene-d12	15.633	264	224543	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	73746	10.956	ng	0.00
7) Phenol-d6	6.581	99	88418	10.437	ng	0.00
23) Nitrobenzene-d5	7.510	82	52751	7.168	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	16447	9.813	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	101177	8.529	ng	-0.01
79) Terphenyl-d14	13.063	244	118161	6.233	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.545	166	26196	2.534	ng	98
71) Phenanthrene	11.510	178	185743	12.804	ng	99
72) Anthracene	11.557	178	58820	3.976	ng	99
75) Fluoranthene	12.698	202	323087	24.265	ng	99
78) Pyrene	12.927	202	321392	13.349	ng	99
81) Benzo(a)anthracene	14.115	228	166862	8.835	ng	96
83) Chrysene	14.151	228	127766	7.524	ng	97
87) Indeno(1,2,3-cd)pyrene	17.168	276	53651	3.388	ng	96
88) Benzo(b)fluoranthene	15.186	252	156646m	11.419	ng	
89) Benzo(k)fluoranthene	15.204	252	54263m	4.433	ng	
90) Benzo(a)pyrene	15.568	252	110058	8.708	ng	97
92) Benzo(g,h,i)perylene	17.633	276	51963	4.168	ng	97

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

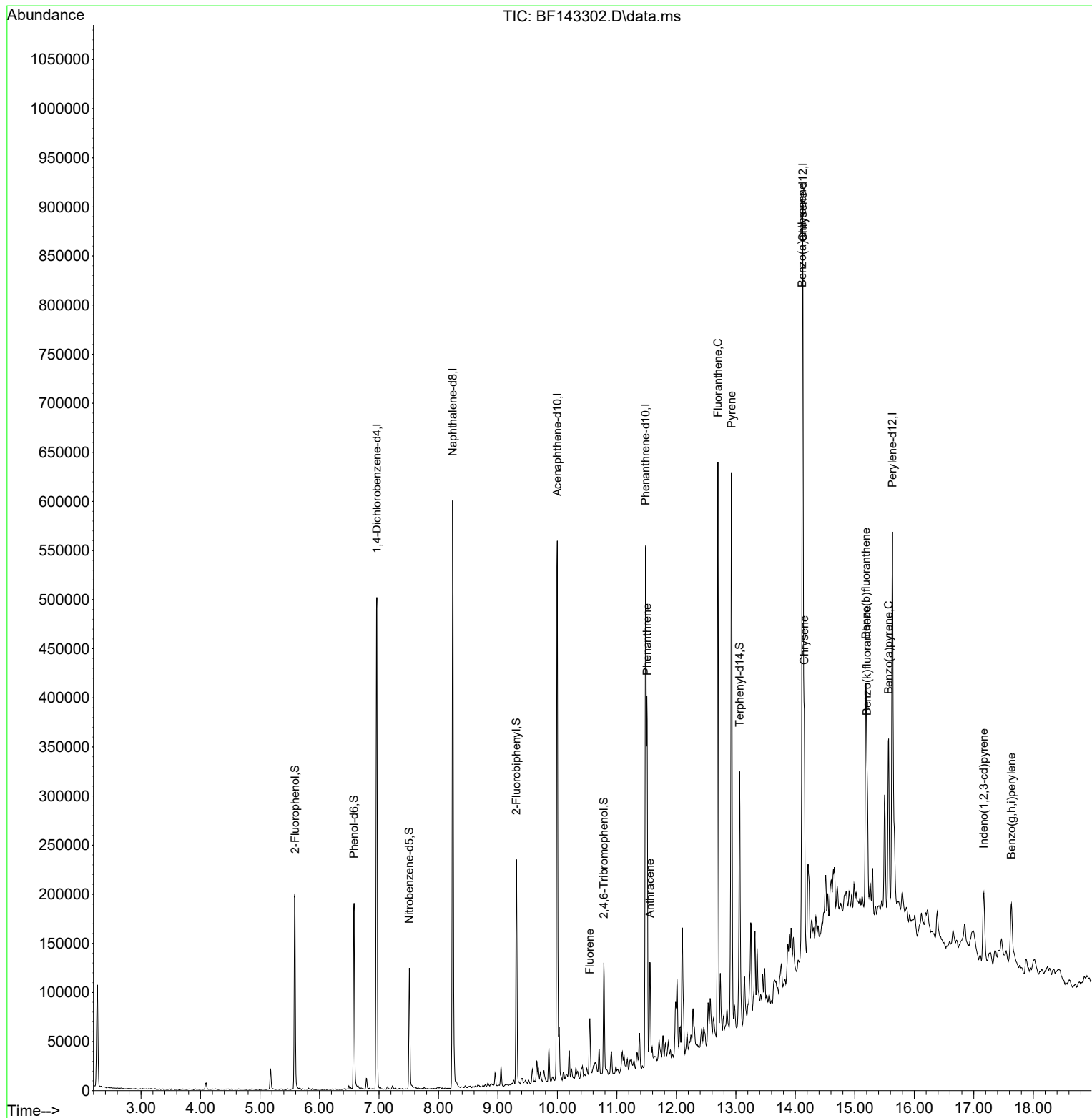
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143302.D
Acq On : 04 Aug 2025 18:03
Operator : RC/JU
Sample : Q2740-01DL 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

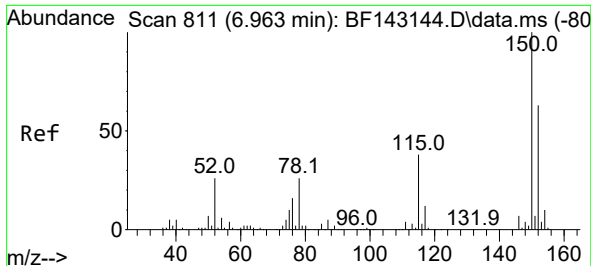
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL

Quant Time: Aug 04 18:33:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

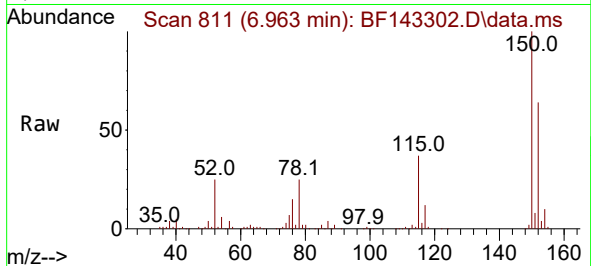
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

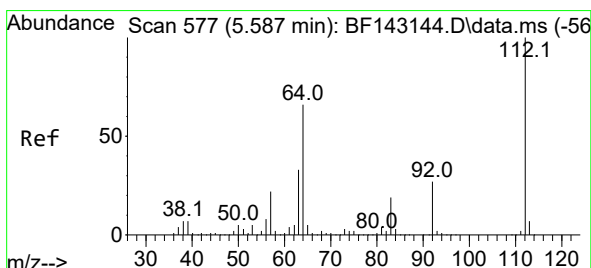
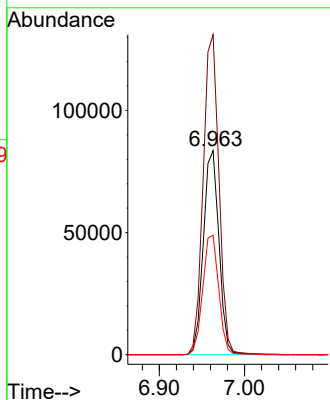
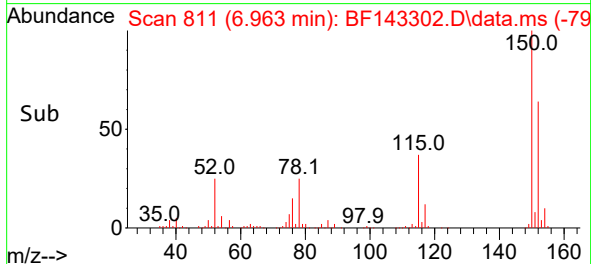
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



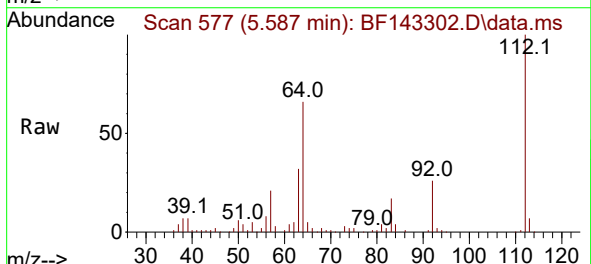
Tgt Ion:152 Resp: 10651
Ion Ratio Lower Upper
152 100
150 156.8 128.2 192.4
115 58.6 47.9 71.9

Manual Integrations
APPROVED

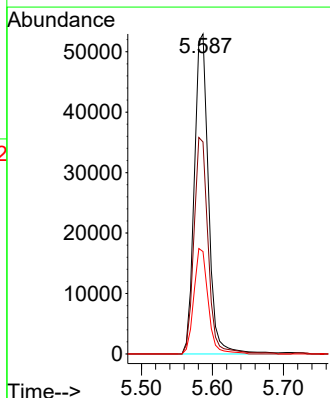
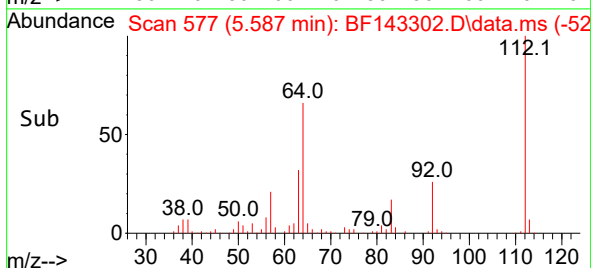
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

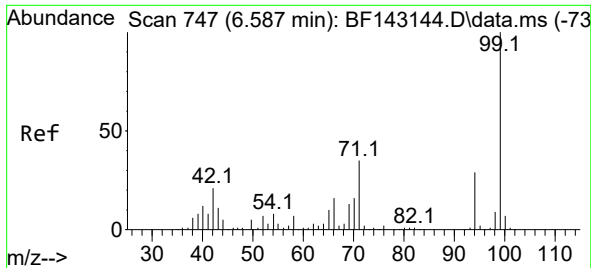


#5
2-Fluorophenol
Concen: 10.956 ng
RT: 5.587 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



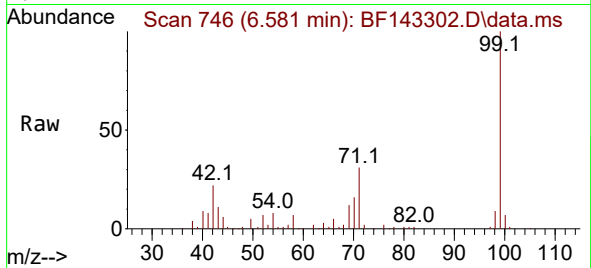
Tgt Ion:112 Resp: 73746
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 32.0 26.6 40.0





#7
Phenol-d6
Concen: 10.437 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

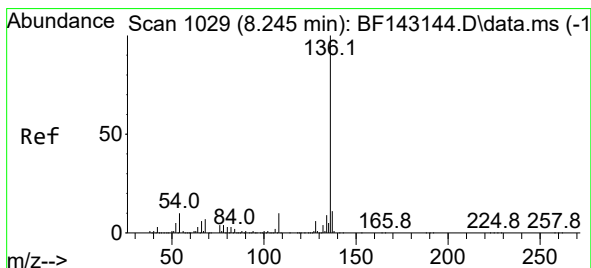
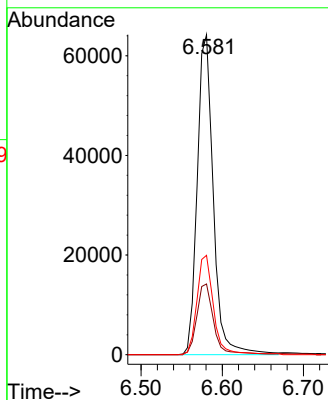
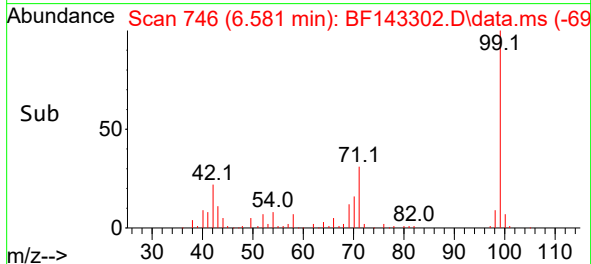
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



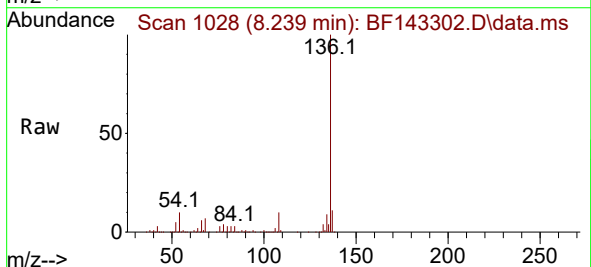
Tgt Ion: 99 Resp: 88418
Ion Ratio Lower Upper
99 100
42 22.1 17.0 25.6
71 31.1 27.7 41.5

Manual Integrations
APPROVED

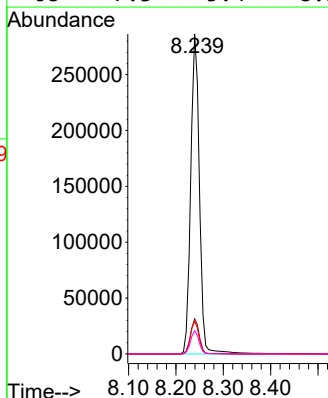
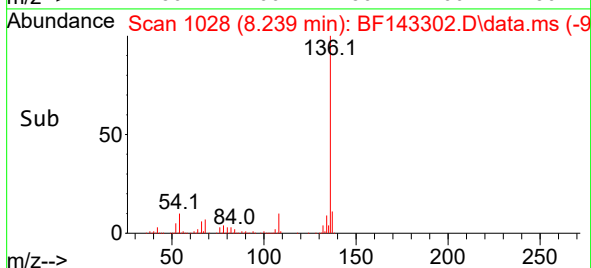
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

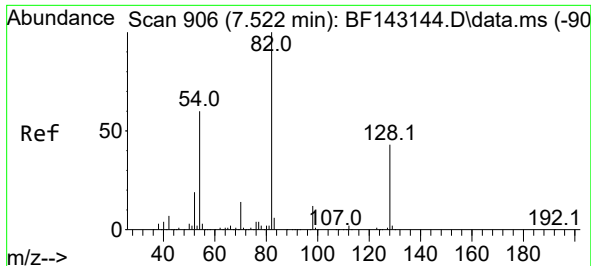


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



Tgt Ion:136 Resp: 366841
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.3 8.2 12.2
68 7.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 7.168 ng

RT: 7.510 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF143302.D

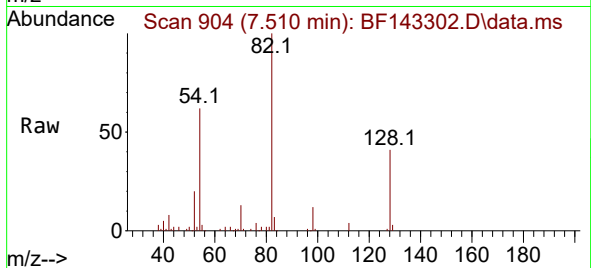
Acq: 04 Aug 2025 18:03

Instrument :

BNA_F

ClientSampleId :

OR-02-07312025DL



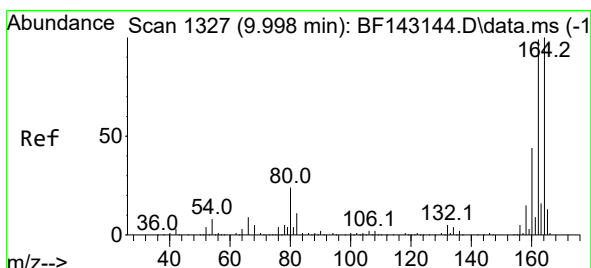
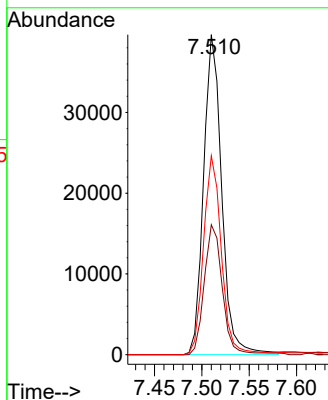
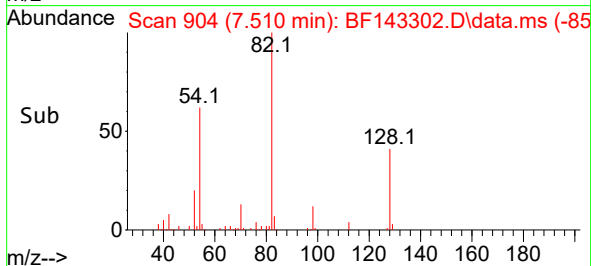
Tgt Ion: 82 Resp: 5275

Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.6	50.4
54	62.1	47.1	70.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/05/2025

Supervised By :Jagrut Upadhyay 08/05/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

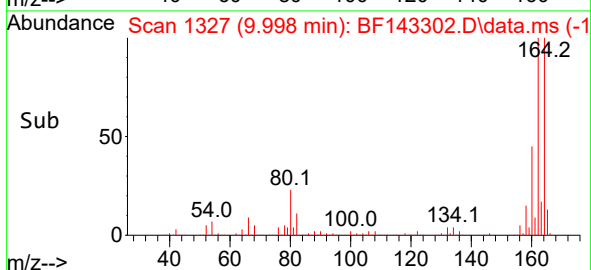
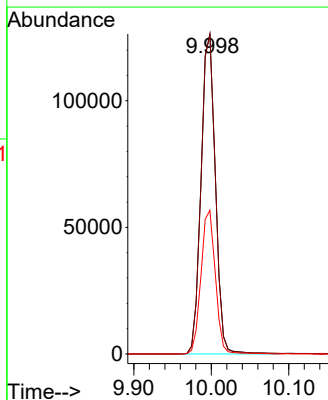
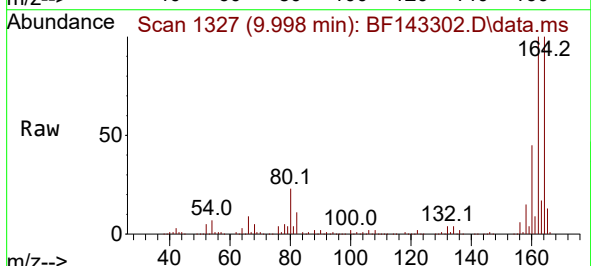
Delta R.T. 0.000 min

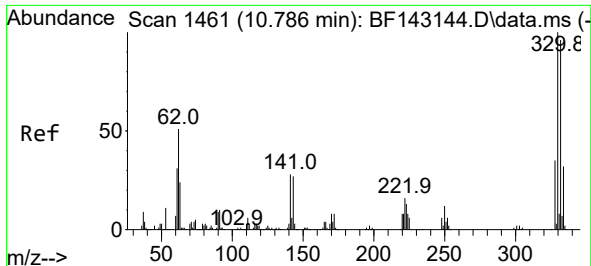
Lab File: BF143302.D

Acq: 04 Aug 2025 18:03

Tgt Ion:164 Resp: 162236

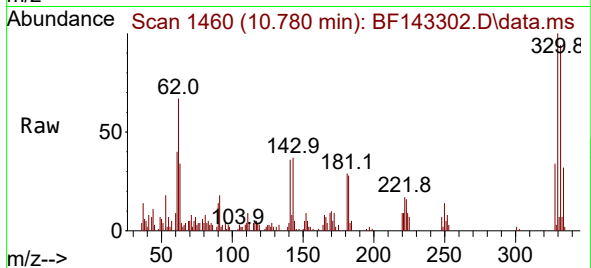
Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.0	118.6
160	44.9	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 9.813 ng
RT: 10.780 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

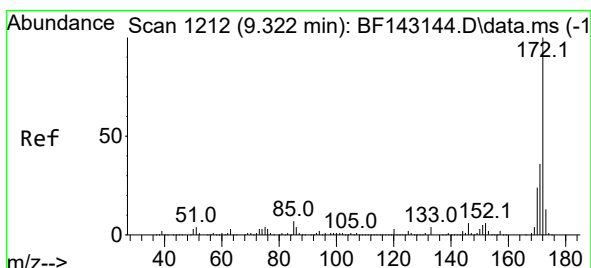
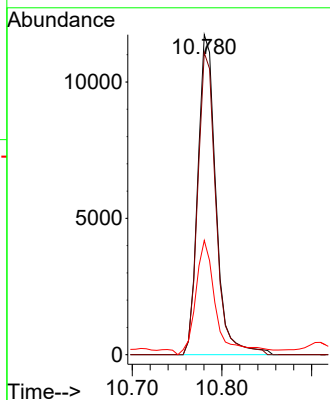
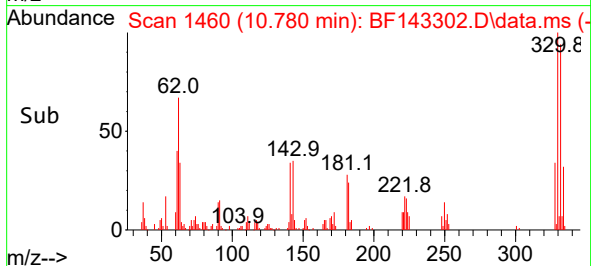
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



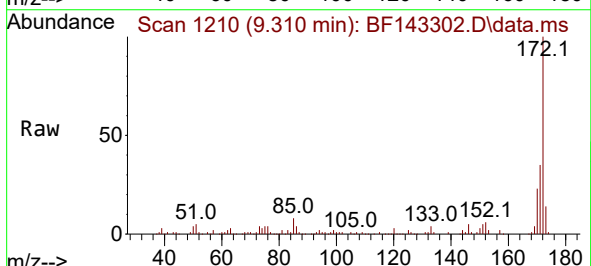
Tgt Ion: 330 Resp: 1644
Ion Ratio Lower Upper
330 100
332 94.6 76.7 115.1
141 40.7 23.3 34.9

Manual Integrations
APPROVED

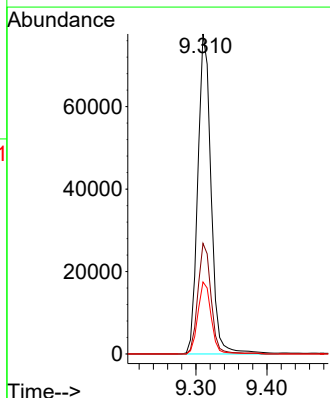
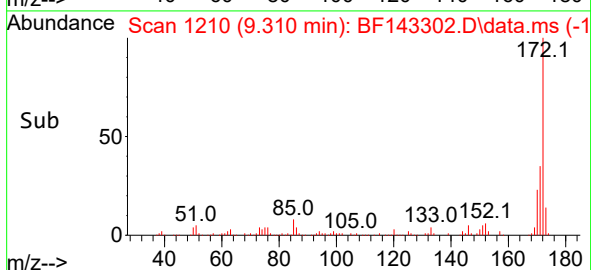
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

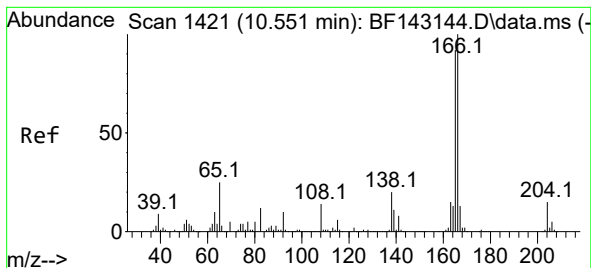


#45
2-Fluorobiphenyl
Concen: 8.529 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



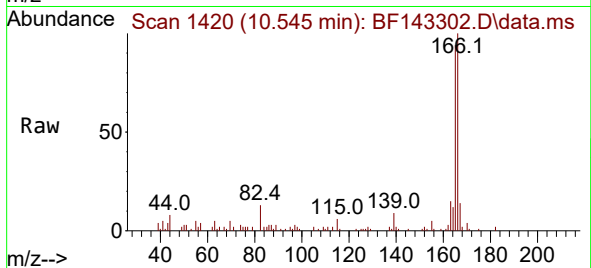
Tgt Ion: 172 Resp: 101177
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 22.5 18.8 28.2





#58
Fluorene
Concen: 2.534 ng
RT: 10.545 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

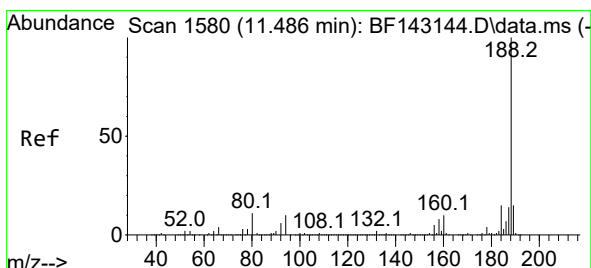
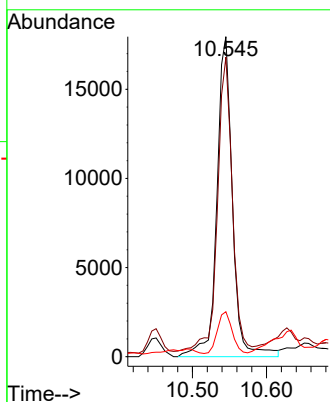
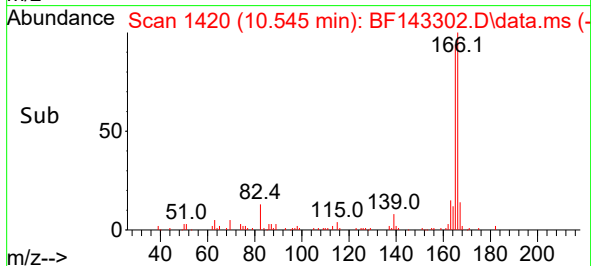
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



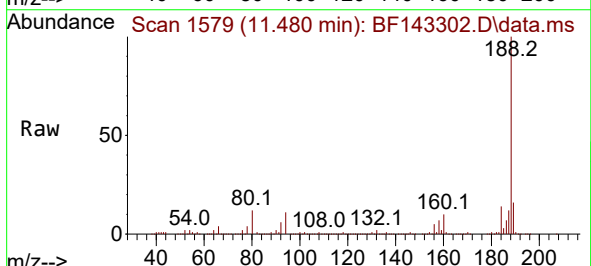
Tgt Ion:166 Resp: 26190
Ion Ratio Lower Upper
166 100
165 93.6 73.7 110.5
167 14.1 10.6 16.0

Manual Integrations
APPROVED

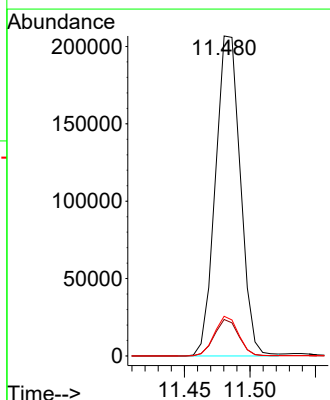
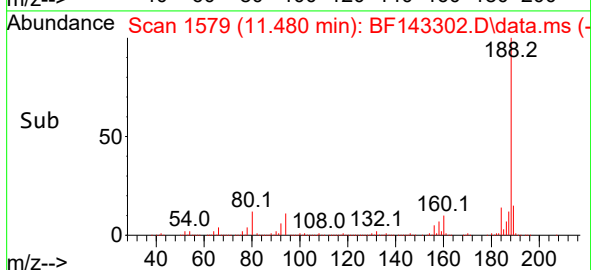
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

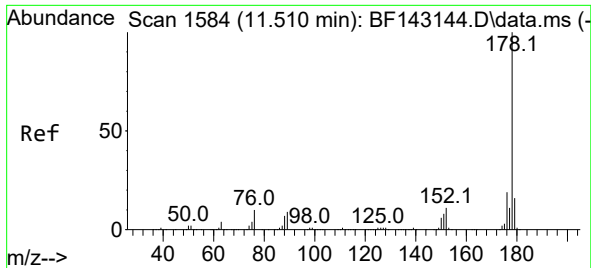


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



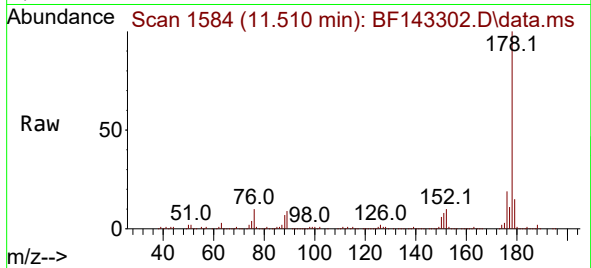
Tgt Ion:188 Resp: 273210
Ion Ratio Lower Upper
188 100
94 11.4 8.3 12.5
80 12.4 9.0 13.6





#71
Phenanthrene
Concen: 12.804 ng
RT: 11.510 min Scan# 11584
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

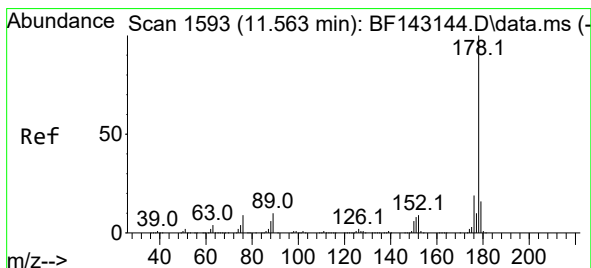
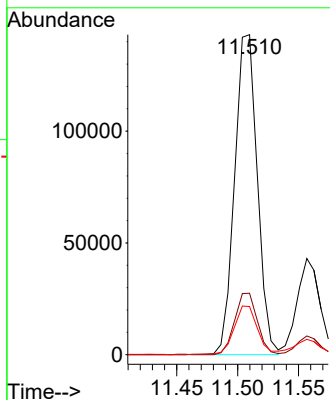
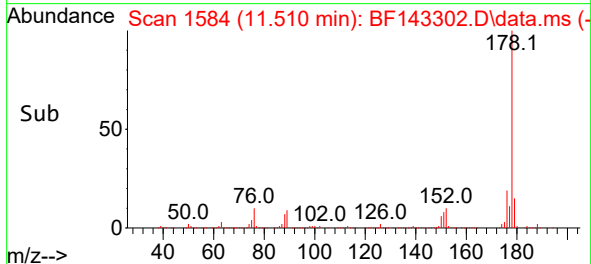
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



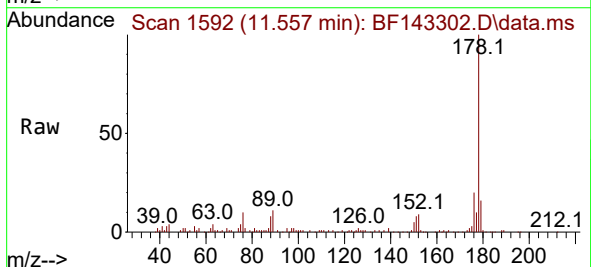
Tgt Ion:178 Resp: 18574
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.0 12.5 18.7

Manual Integrations
APPROVED

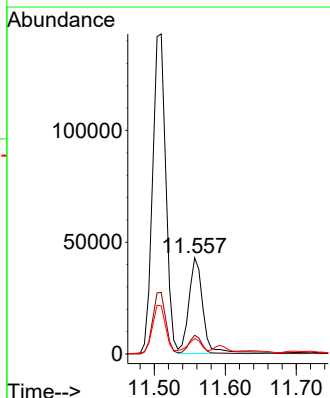
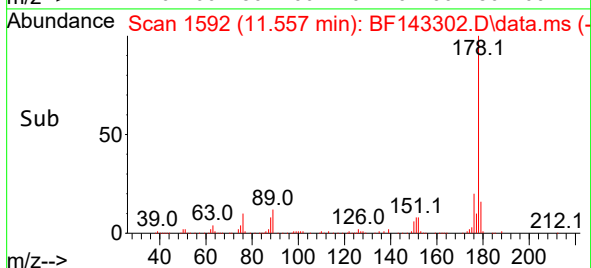
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

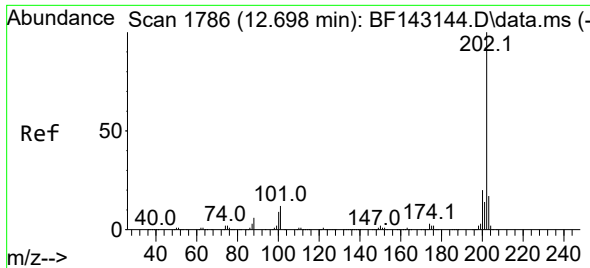


#72
Anthracene
Concen: 3.976 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



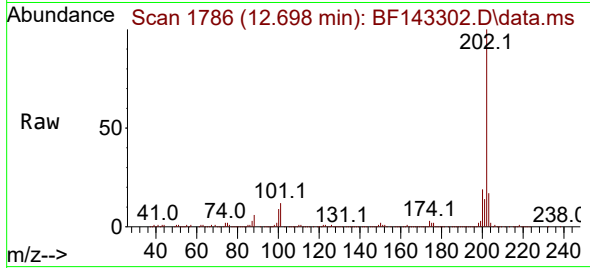
Tgt Ion:178 Resp: 58820
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.4
179 16.0 12.5 18.7





#75
Fluoranthene
Concen: 24.265 ng
RT: 12.698 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

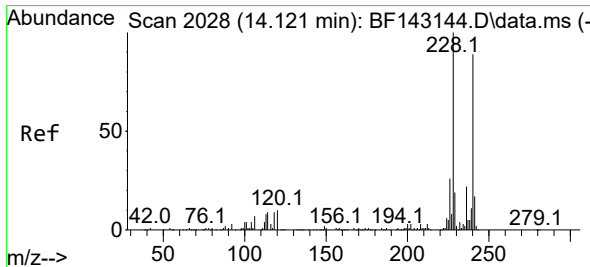
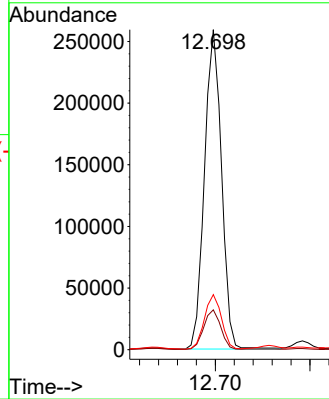
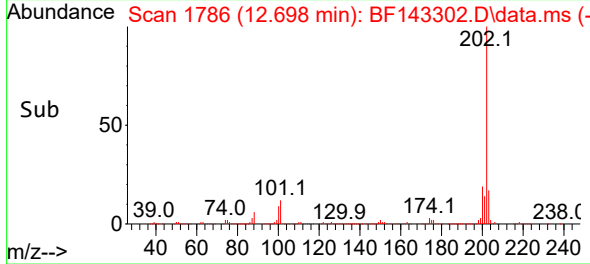
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



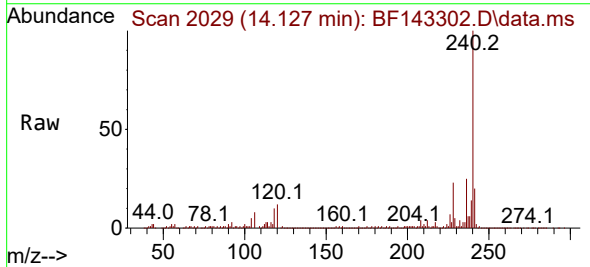
Tgt Ion:202 Resp: 32308
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.7
203 17.2 0.0 37.4

Manual Integrations
APPROVED

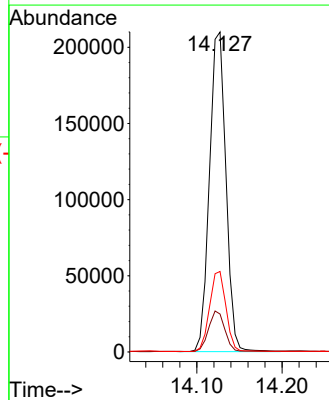
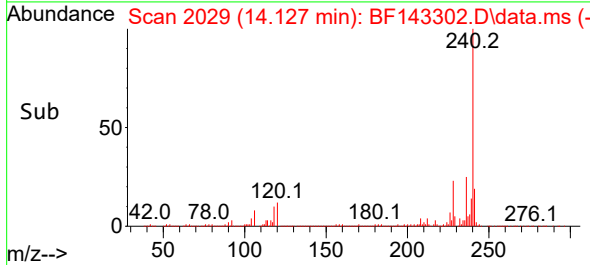
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

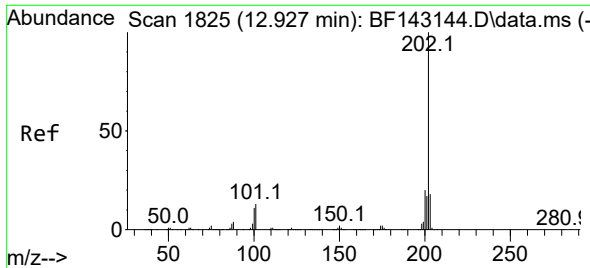


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



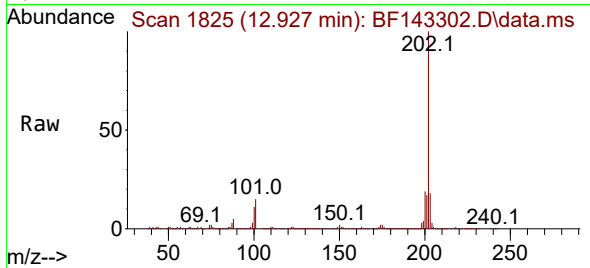
Tgt Ion:240 Resp: 282099
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.2 20.2 30.4





#78
 Pyrene
 Concen: 13.349 ng
 RT: 12.927 min Scan# 1825
 Delta R.T. -0.000 min
 Lab File: BF143302.D
 Acq: 04 Aug 2025 18:03

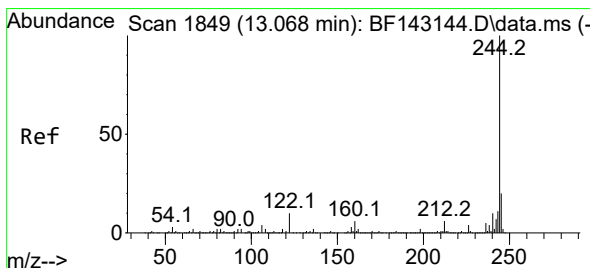
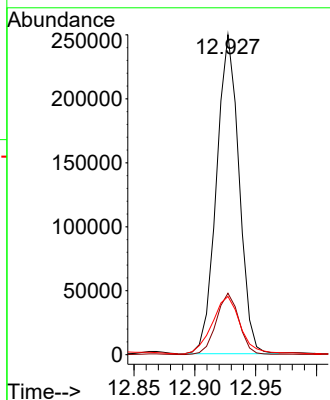
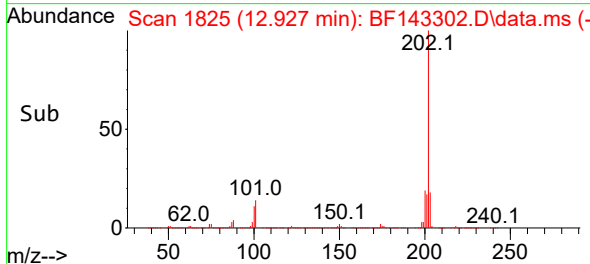
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-07312025DL



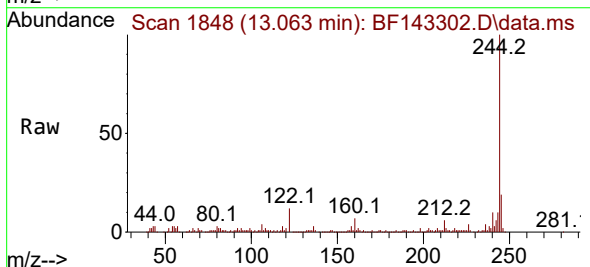
Tgt Ion:202 Resp: 321392
 Ion Ratio Lower Upper
 202 100
 200 19.2 15.7 23.5
 203 18.2 14.2 21.2

Manual Integrations
 APPROVED

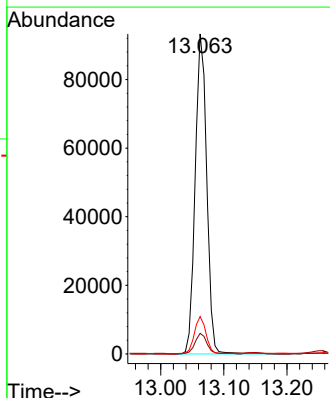
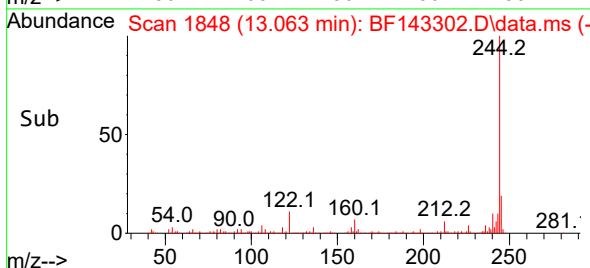
Reviewed By :Rahul Chavli 08/05/2025
 Supervised By :Jagrut Upadhyay 08/05/2025

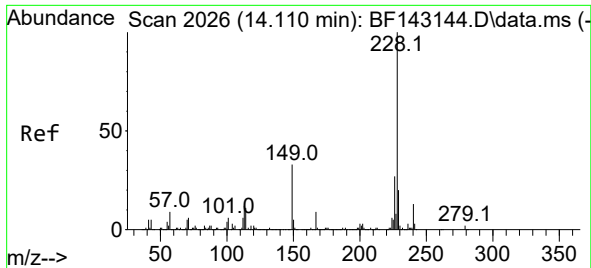


#79
 Terphenyl-d14
 Concen: 6.233 ng
 RT: 13.063 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF143302.D
 Acq: 04 Aug 2025 18:03



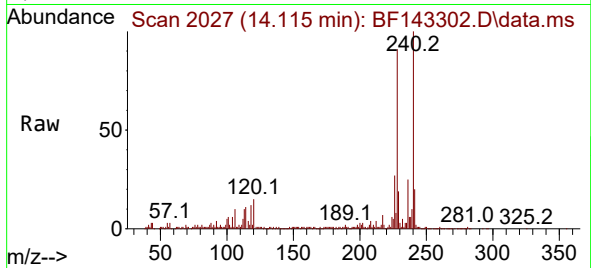
Tgt Ion:244 Resp: 118161
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.7 8.2 12.2





#81
Benzo(a)anthracene
Concen: 8.835 ng
RT: 14.115 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

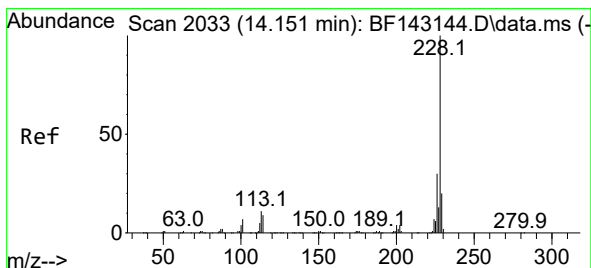
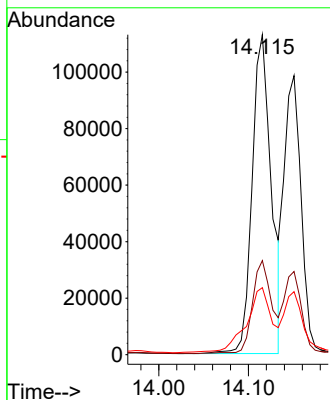
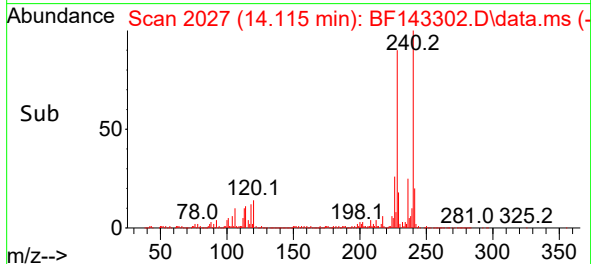
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



Tgt Ion:228 Resp: 166862
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 20.9 15.8 23.6

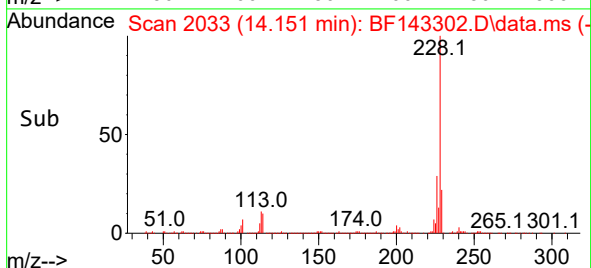
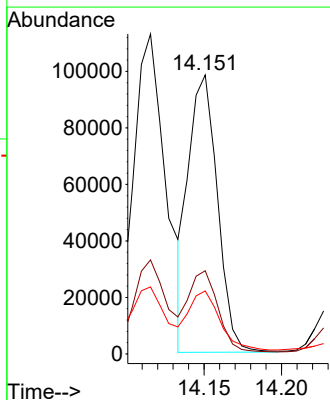
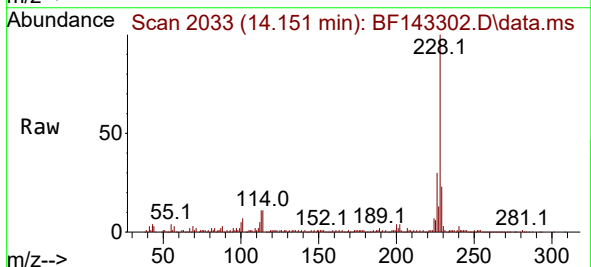
Manual Integrations
APPROVED

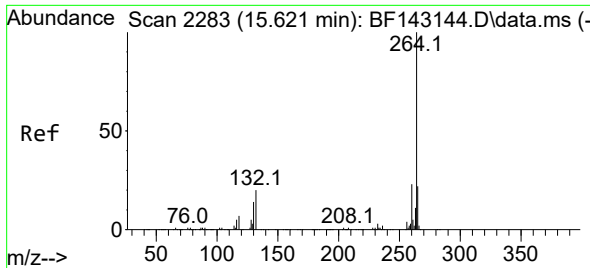
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025



#83
Chrysene
Concen: 7.524 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Tgt Ion:228 Resp: 127766
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 22.6 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

Instrument :

BNA_F

ClientSampleId :

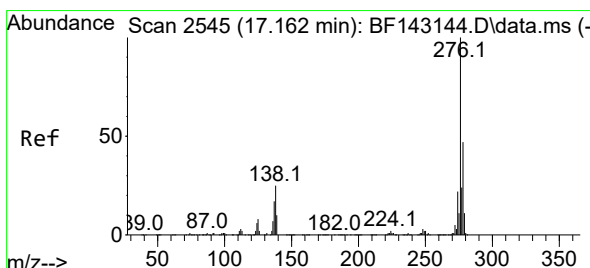
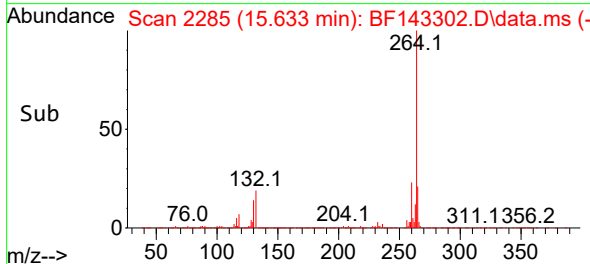
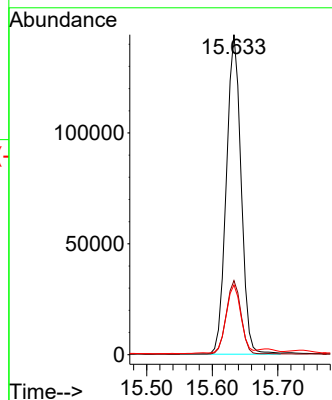
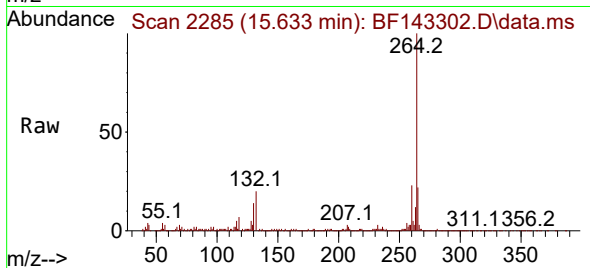
OR-02-07312025DL

Tgt Ion:264 Resp: 22454
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 21.8 17.4 26.2

Manual Integrations

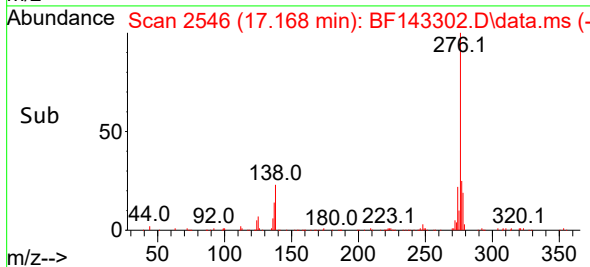
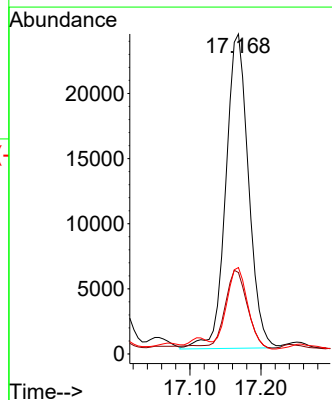
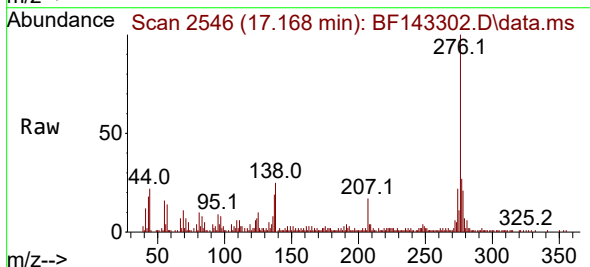
APPROVED

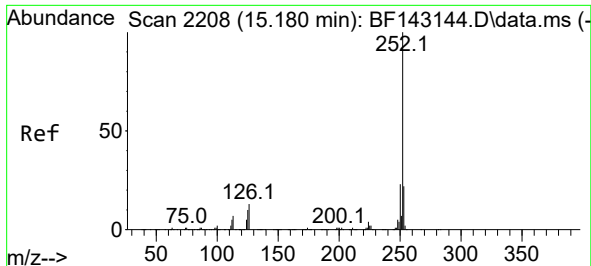
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.388 ng
RT: 17.168 min Scan# 2546
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

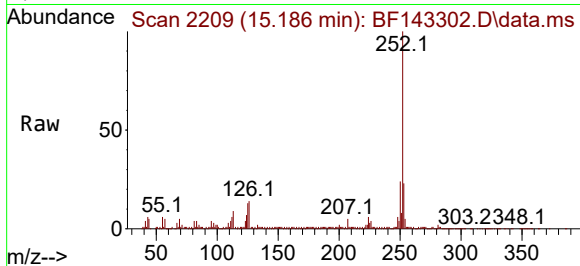
Tgt Ion:276 Resp: 53651
Ion Ratio Lower Upper
276 100
138 24.0 21.8 32.6
277 24.2 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 11.419 ng m
RT: 15.186 min Scan# 2112
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

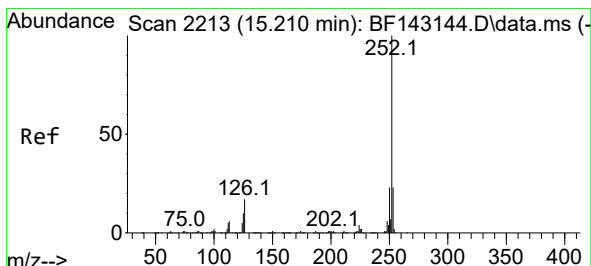
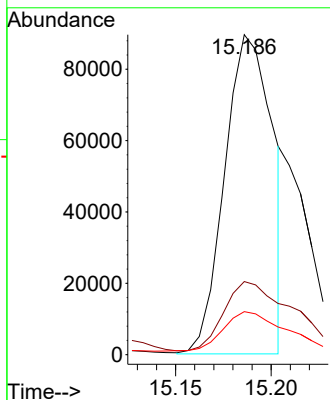
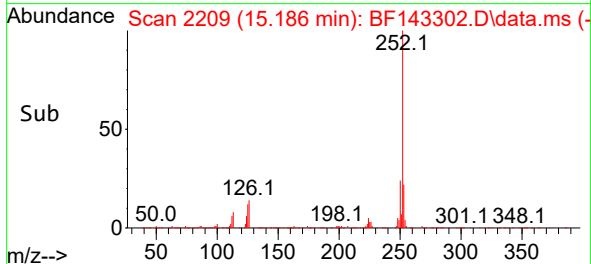
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



Tgt Ion:252 Resp: 156640
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 13.4 8.0 12.0

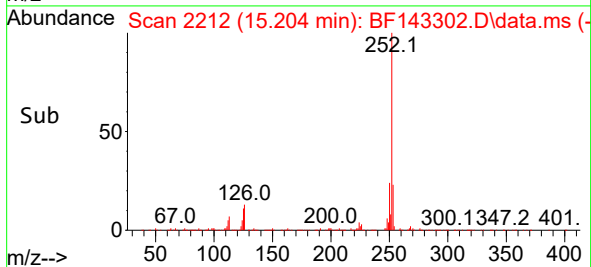
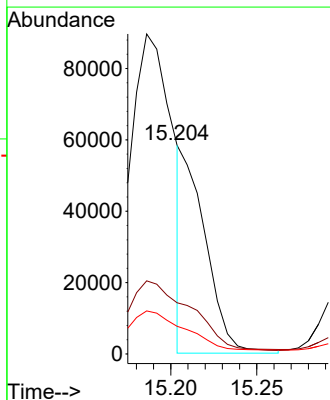
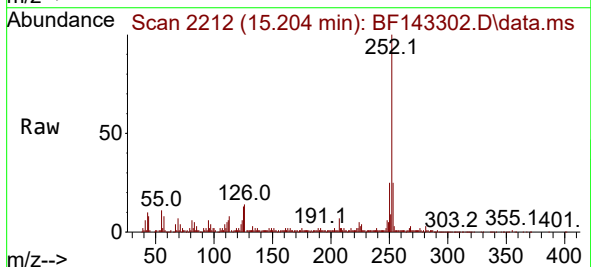
Manual Integrations
APPROVED

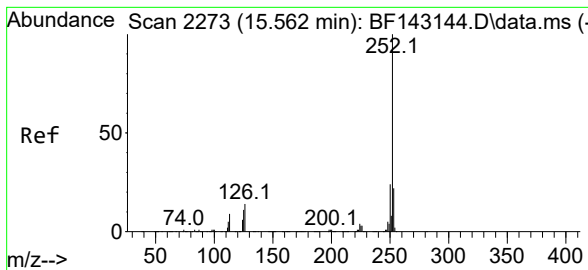
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025



#89
Benzo(k)fluoranthene
Concen: 4.433 ng m
RT: 15.204 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

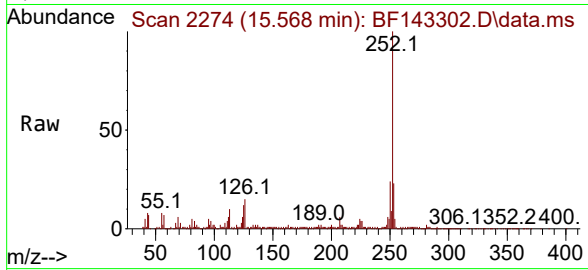
Tgt Ion:252 Resp: 54263
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 13.3 8.1 12.1





#90
Benzo(a)pyrene
Concen: 8.708 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03

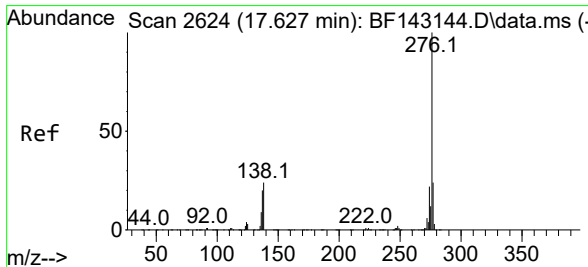
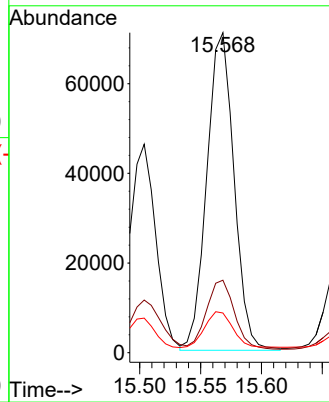
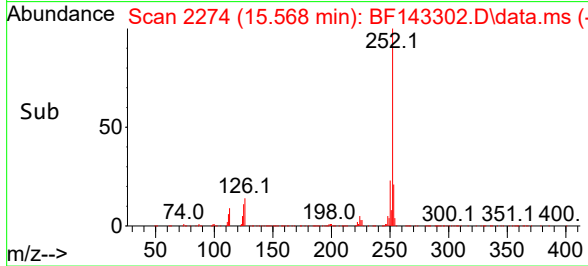
Instrument :
BNA_F
ClientSampleId :
OR-02-07312025DL



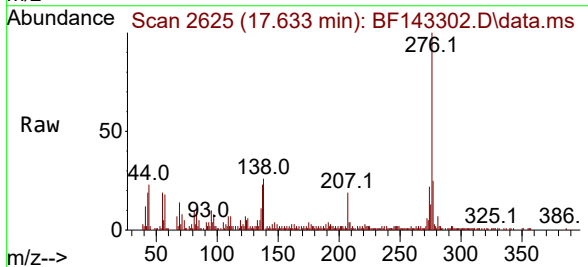
Tgt Ion:252 Resp: 11058
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 12.4 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025



#92
Benzo(g,h,i)perylene
Concen: 4.168 ng
RT: 17.633 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF143302.D
Acq: 04 Aug 2025 18:03



Tgt Ion:276 Resp: 51963
Ion Ratio Lower Upper
276 100
277 24.6 19.1 28.7
138 26.3 18.9 28.3

