

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
 Data File : BF143294.D
 Acq On : 04 Aug 2025 14:10
 Operator : RC/JU
 Sample : Q2743-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC1

Manual Integrations
 APPROVED

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

Quant Time: Aug 04 14:51:33 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	122191	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	459211	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	223785	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	329577	20.000	ng	0.00
76) Chrysene-d12	14.121	240	248990	20.000	ng	0.00
86) Perylene-d12	15.627	264	305770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	588473	76.212	ng	0.00
7) Phenol-d6	6.581	99	762412	78.445	ng	0.00
23) Nitrobenzene-d5	7.510	82	499142	54.182	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	171555	74.208	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	895306	54.715	ng	-0.01
79) Terphenyl-d14	13.063	244	678390	40.545	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.504	178	85471	4.884	ng	99
75) Fluoranthene	12.692	202	198382	12.351	ng	98
78) Pyrene	12.921	202	224892	10.583	ng	99
81) Benzo(a)anthracene	14.110	228	133660	8.018	ng	95
83) Chrysene	14.145	228	127769	8.525	ng	96
87) Indeno(1,2,3-cd)pyrene	17.156	276	95547	4.431	ng	97
88) Benzo(b)fluoranthene	15.180	252	186338m	9.975	ng	
89) Benzo(k)fluoranthene	15.198	252	64965m	3.897	ng	
90) Benzo(a)pyrene	15.557	252	144421	8.391	ng	97
92) Benzo(g,h,i)perylene	17.621	276	89630	5.280	ng	99

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

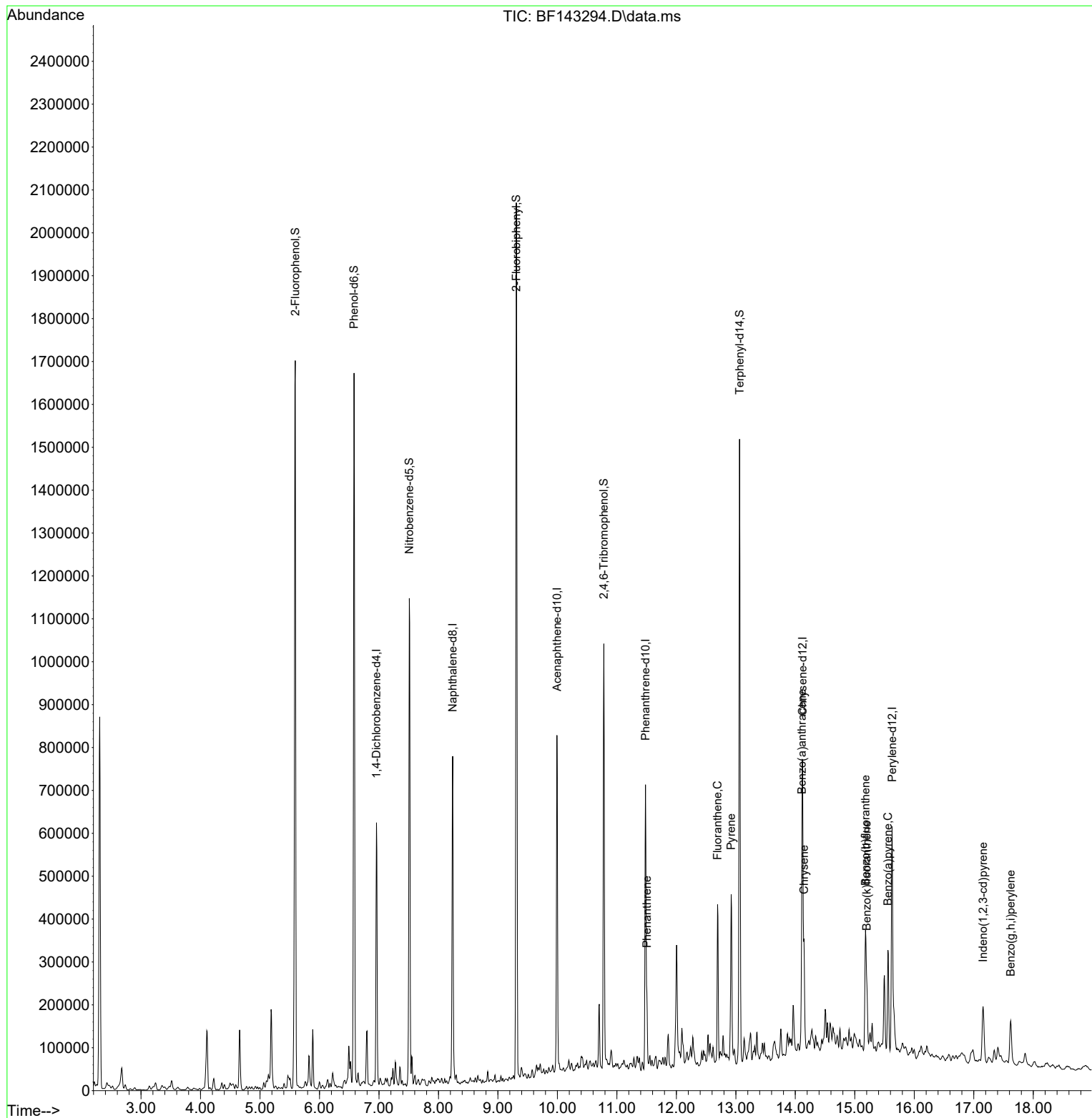
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080425\
Data File : BF143294.D
Acq On : 04 Aug 2025 14:10
Operator : RC/JU
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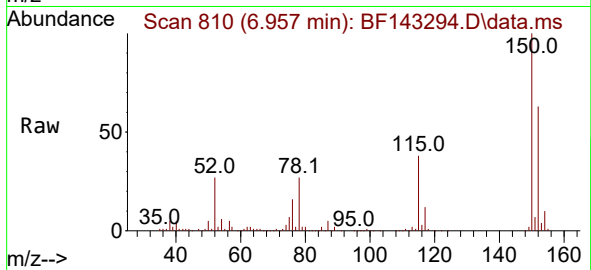
Quant Time: Aug 04 14:51:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

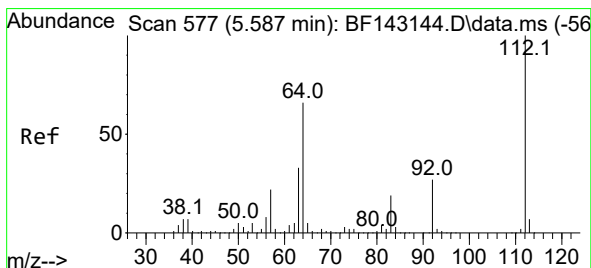
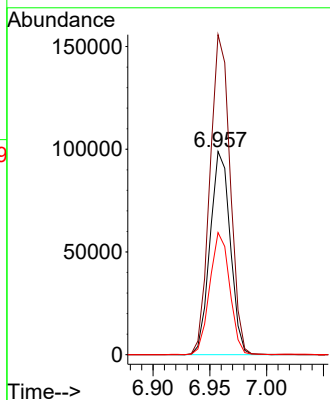
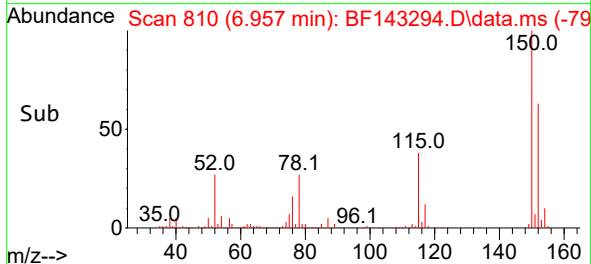
Instrument :
BNA_F
ClientSampleId :
WC1



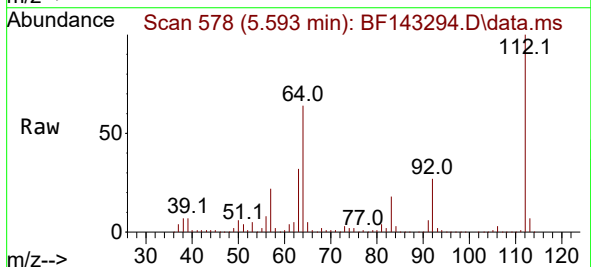
Tgt Ion:152 Resp: 12219
Ion Ratio Lower Upper
152 100
150 157.5 128.2 192.4
115 60.1 47.9 71.9

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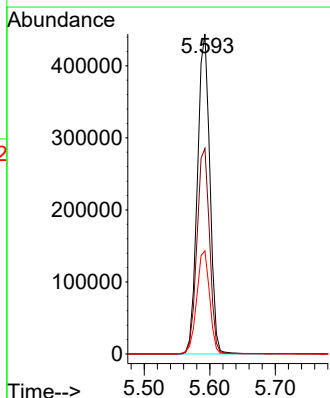
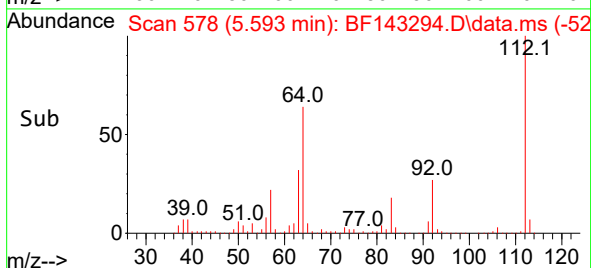
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

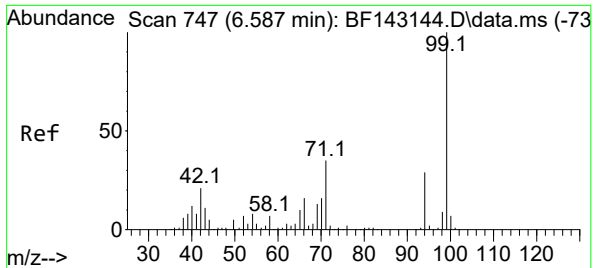


#5
2-Fluorophenol
Concen: 76.212 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10



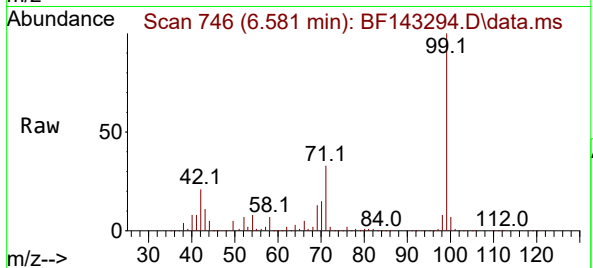
Tgt Ion:112 Resp: 588473
Ion Ratio Lower Upper
112 100
64 64.3 53.1 79.7
63 32.2 26.6 40.0





#7
Phenol-d6
Concen: 78.445 ng
RT: 6.581 min Scan# 747
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

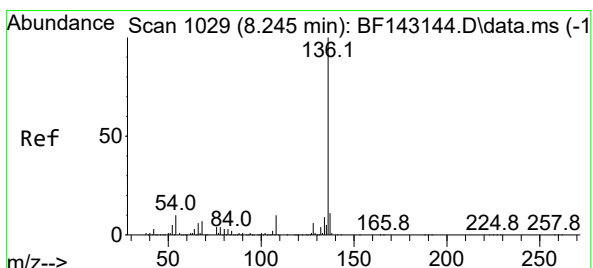
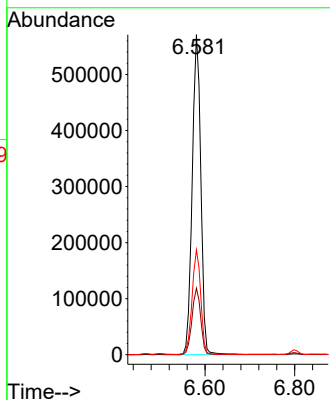
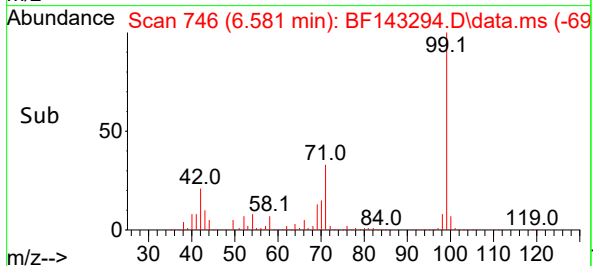
Instrument :
BNA_F
ClientSampleId :
WC1



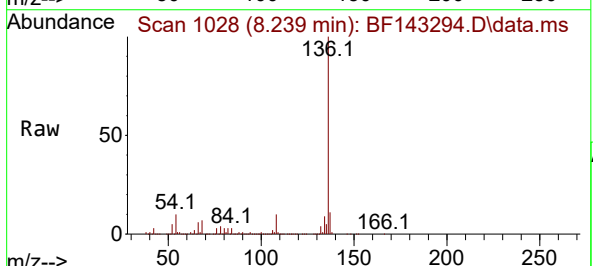
Tgt Ion: 99 Resp: 76241
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 32.8 27.7 41.5

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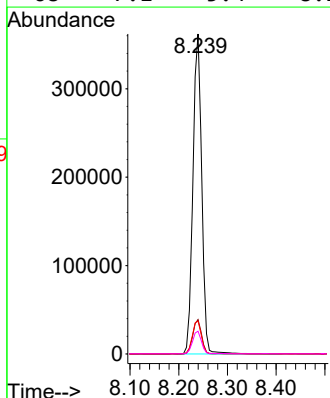
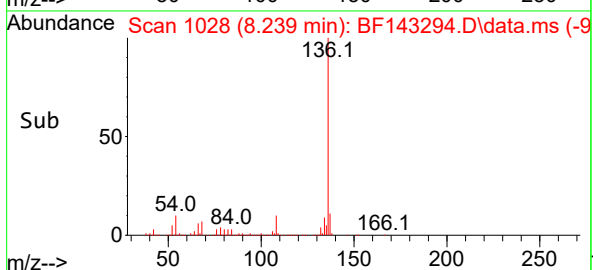
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10



Tgt Ion:136 Resp: 459211
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.3 8.2 12.2
68 7.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 54.182 ng

RT: 7.510 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF143294.D

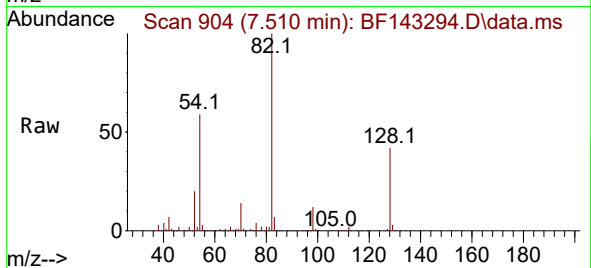
Acq: 04 Aug 2025 14:10

Instrument :

BNA_F

ClientSampleId :

WC1



Tgt Ion: 82 Resp: 49914

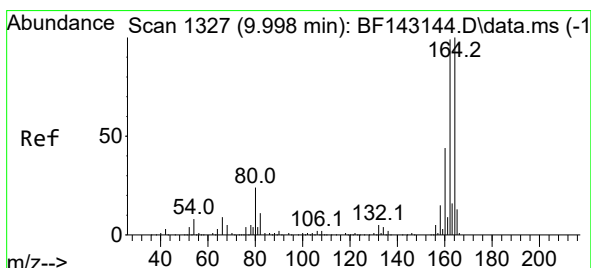
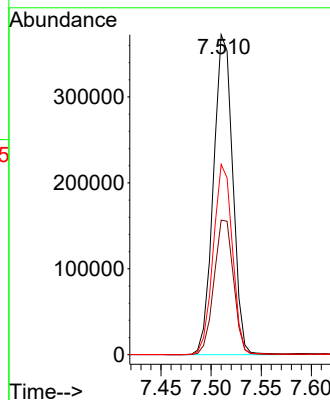
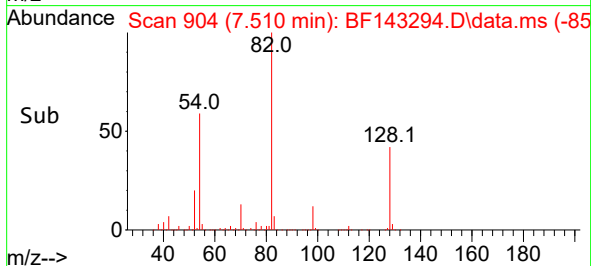
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.6	50.4
54	59.5	47.1	70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.992 min Scan# 1326

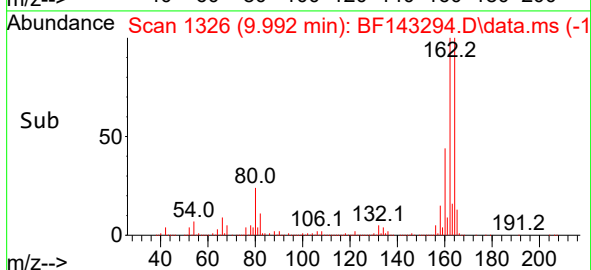
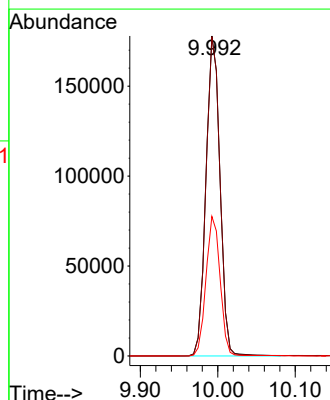
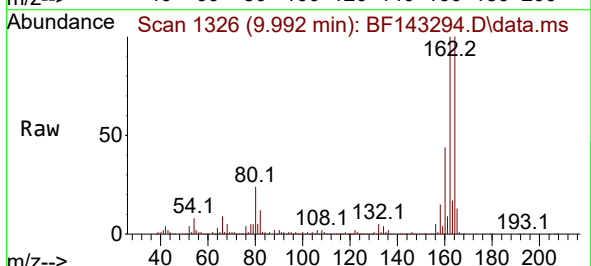
Delta R.T. -0.006 min

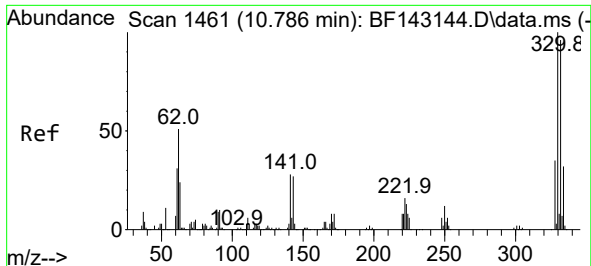
Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

Tgt Ion:164 Resp: 223785

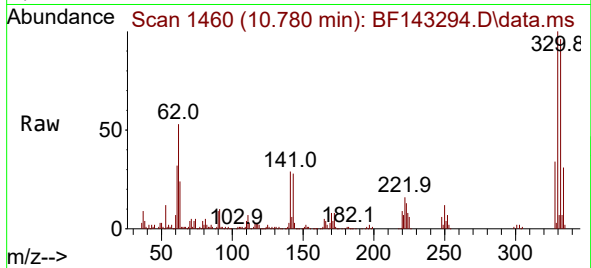
Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.0	118.6
160	43.6	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 74.208 ng
RT: 10.780 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

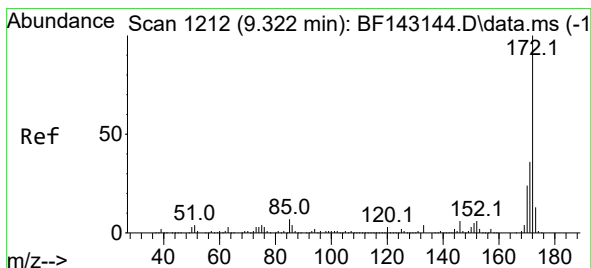
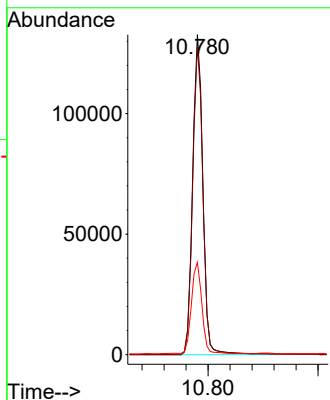
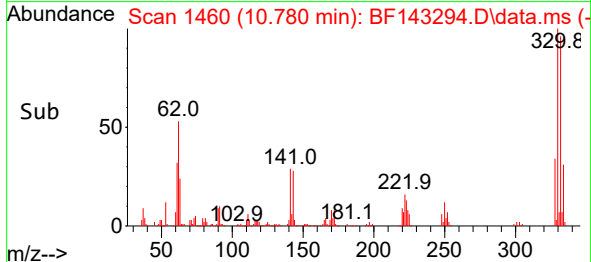
Instrument :
BNA_F
ClientSampleId :
WC1



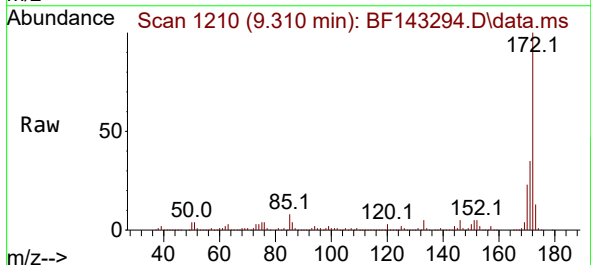
Tgt Ion:330 Resp: 17155
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 29.1 23.3 34.9

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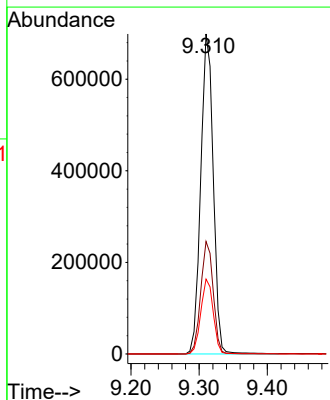
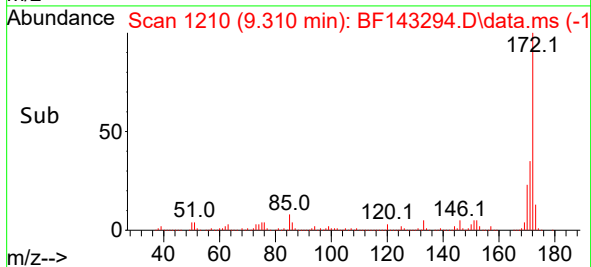
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

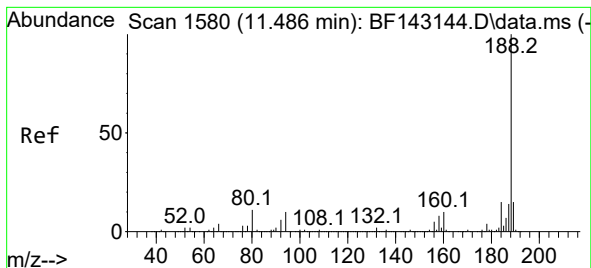


#45
2-Fluorobiphenyl
Concen: 54.715 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10



Tgt Ion:172 Resp: 895306
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.4 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1579

Delta R.T. -0.006 min

Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

Instrument :

BNA_F

ClientSampleId :

WC1

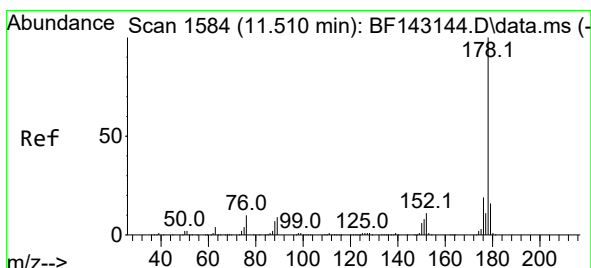
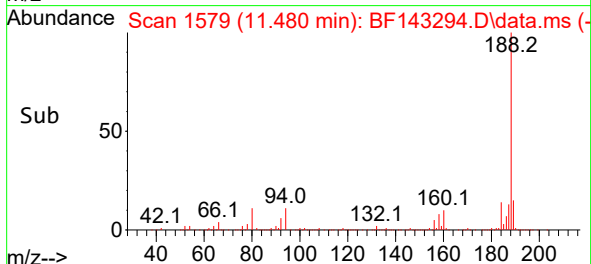
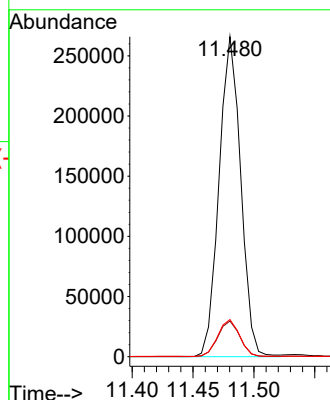
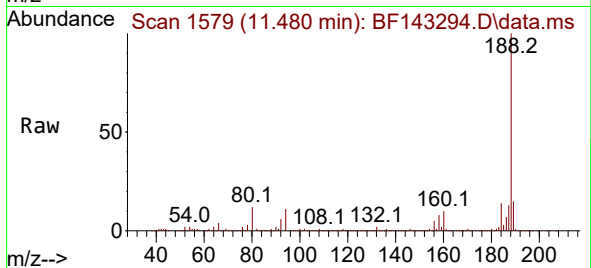
Tgt Ion:188	Resp: 32957
Ion Ratio	Lower Upper
188 100	
94 11.2	8.3 12.5
80 11.6	9.0 13.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/05/2025



#71

Phenanthrene

Concen: 4.884 ng

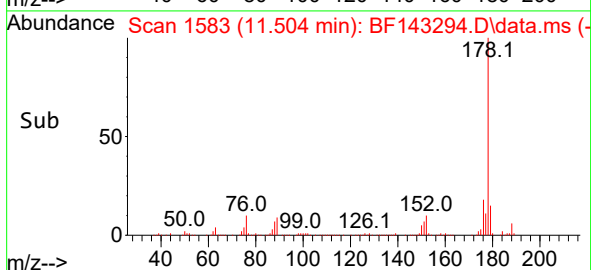
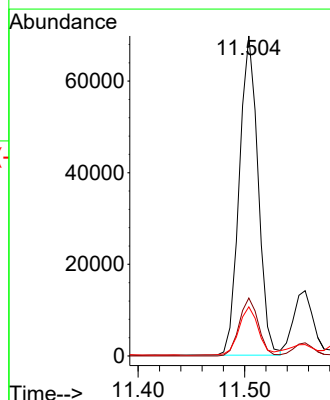
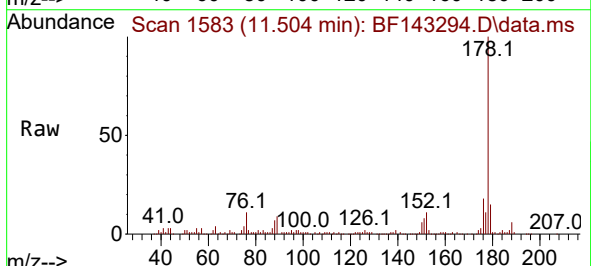
RT: 11.504 min Scan# 1583

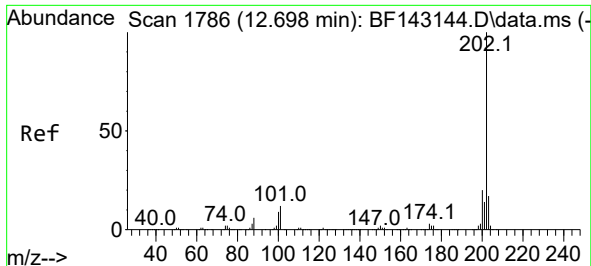
Delta R.T. -0.006 min

Lab File: BF143294.D

Acq: 04 Aug 2025 14:10

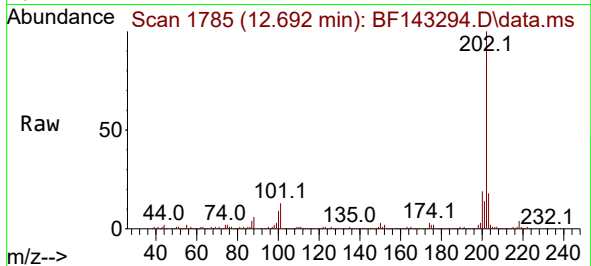
Tgt Ion:178	Resp: 85471
Ion Ratio	Lower Upper
178 100	
176 18.1	15.3 22.9
179 15.4	12.5 18.7





#75
Fluoranthene
Concen: 12.351 ng
RT: 12.692 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

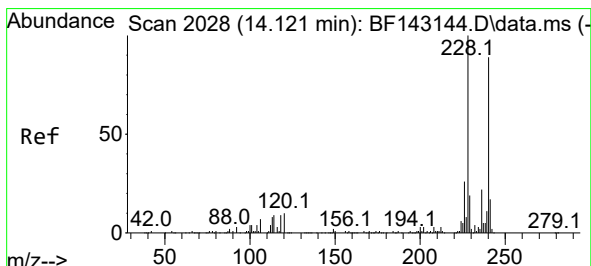
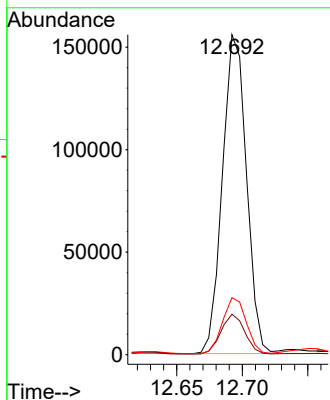
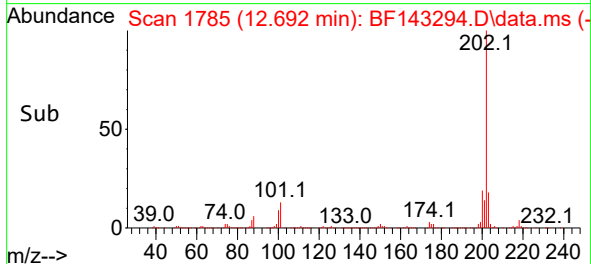
Instrument :
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ClientSampleId :
WC1



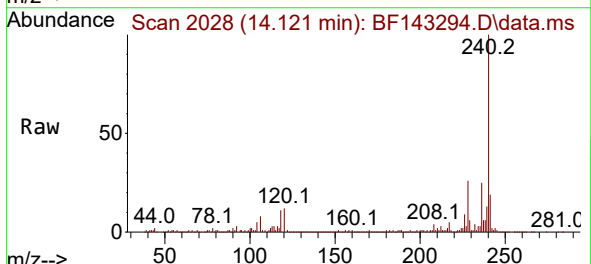
Tgt Ion:202 Resp: 19838
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.7
203 17.8 0.0 37.4

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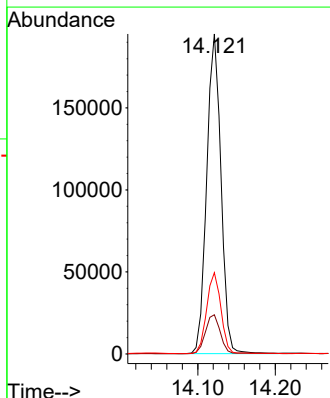
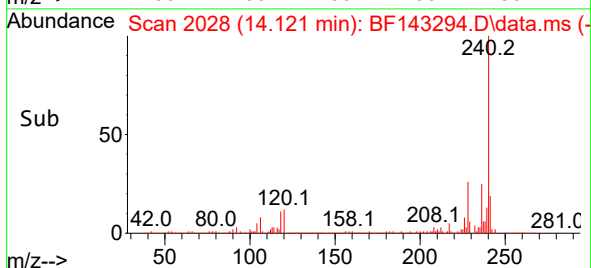
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

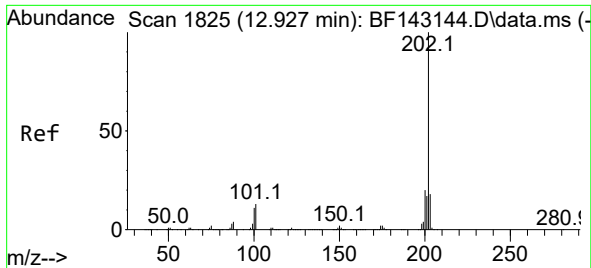


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10



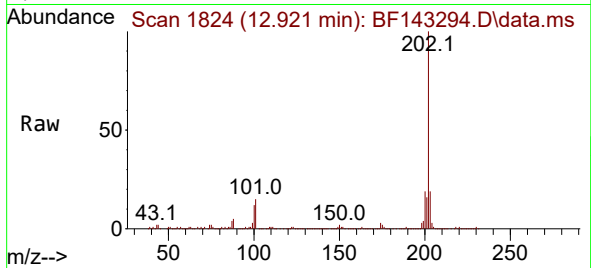
Tgt Ion:240 Resp: 248990
Ion Ratio Lower Upper
240 100
120 12.2 9.4 14.2
236 25.4 20.2 30.4





#78
Pyrene
Concen: 10.583 ng
RT: 12.921 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

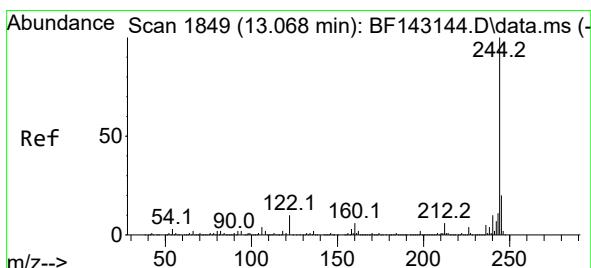
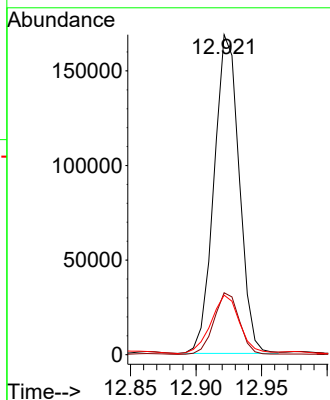
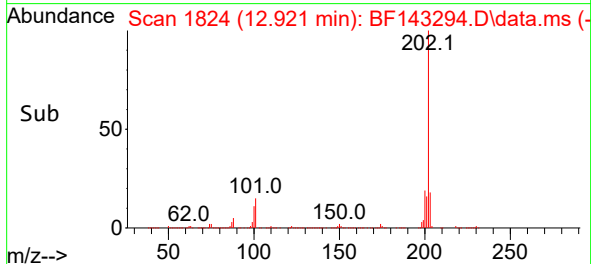
Instrument :
BNA_F
ClientSampleId :
WC1



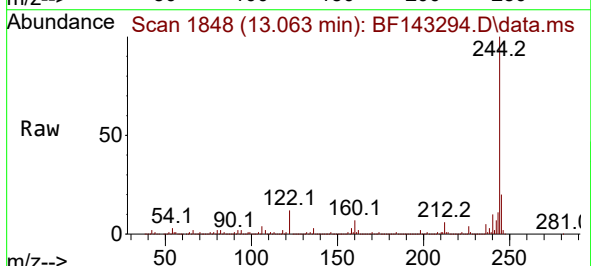
Tgt Ion:202 Resp: 224892
Ion Ratio Lower Upper
202 100
200 19.3 15.7 23.5
203 18.6 14.2 21.2

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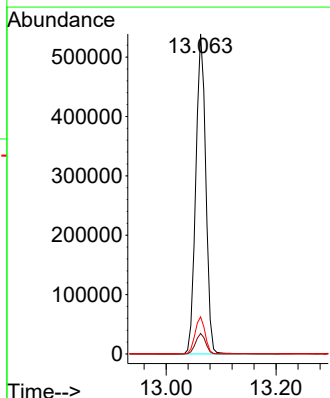
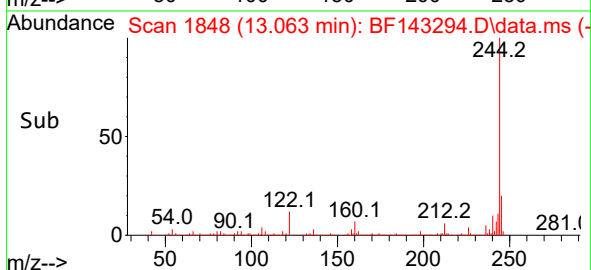
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025

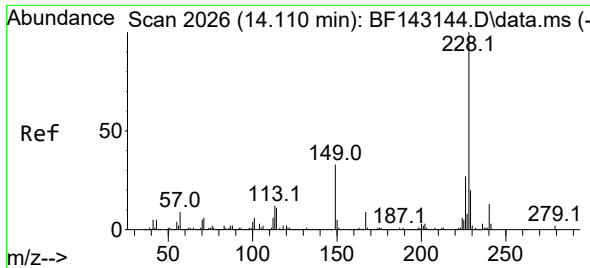


#79
Terphenyl-d14
Concen: 40.545 ng
RT: 13.063 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10



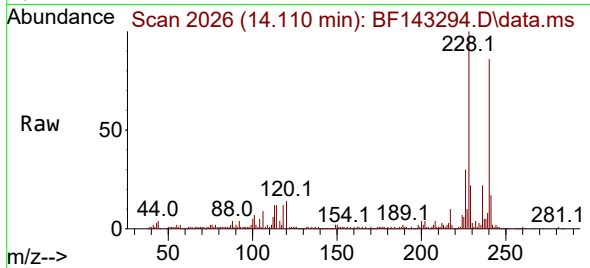
Tgt Ion:244 Resp: 678390
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 11.6 8.2 12.2





#81
Benzo(a)anthracene
Concen: 8.018 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

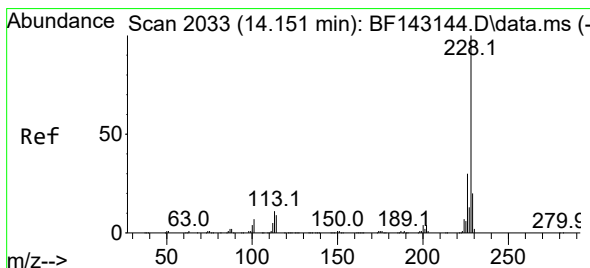
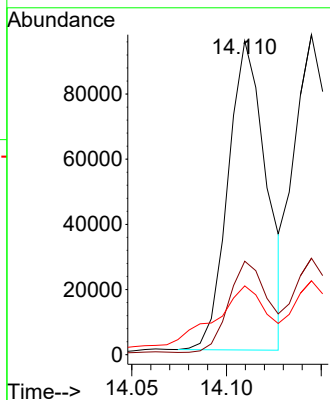
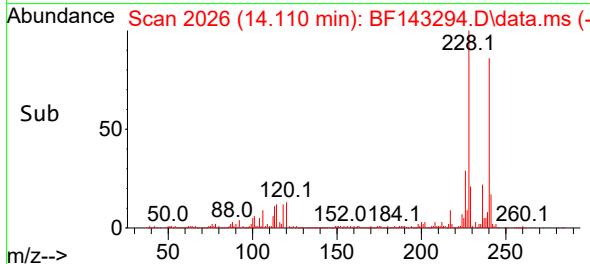
Instrument :
BNA_F
ClientSampleId :
WC1



Tgt Ion:228 Resp: 133660
Ion Ratio Lower Upper
228 100
226 29.8 21.7 32.5
229 21.9 15.8 23.6

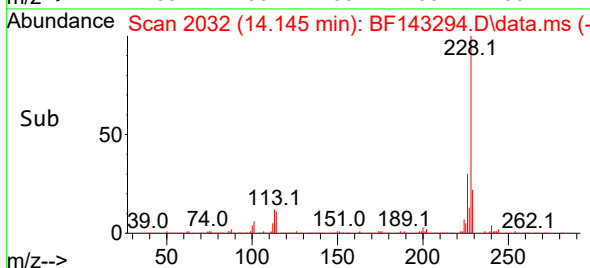
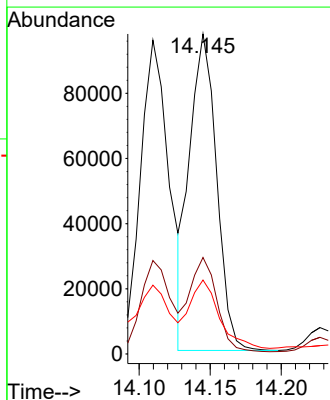
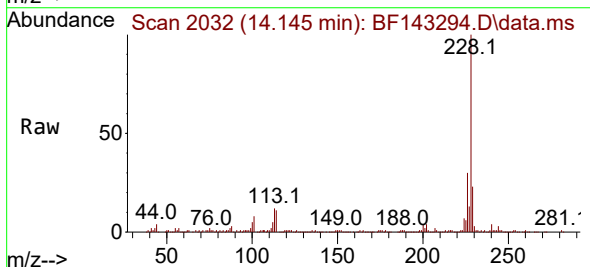
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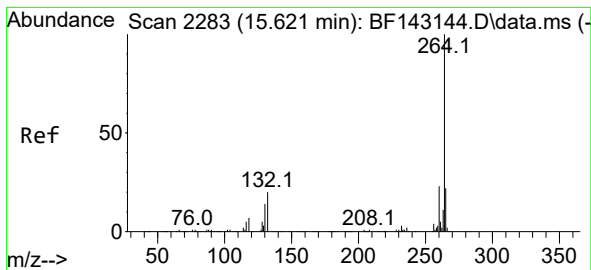
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025



#83
Chrysene
Concen: 8.525 ng
RT: 14.145 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

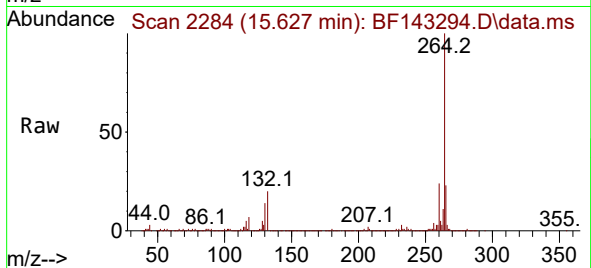
Tgt Ion:228 Resp: 127769
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 23.1 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

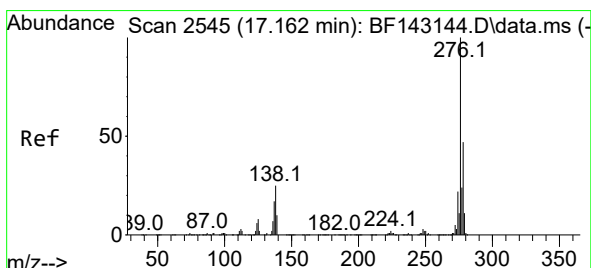
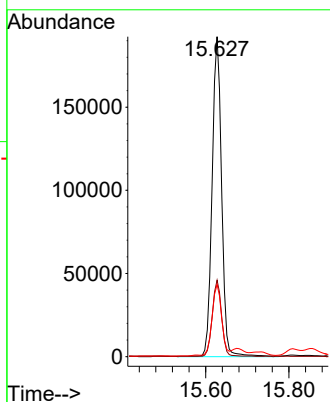
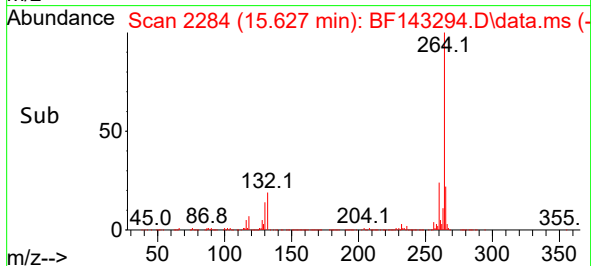
Instrument :
BNA_F
ClientSampleId :
WC1



Tgt Ion:264 Resp: 305770
Ion Ratio Lower Upper
264 100
260 23.9 18.5 27.7
265 22.6 17.4 26.2

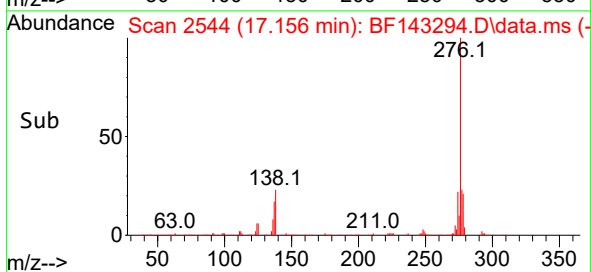
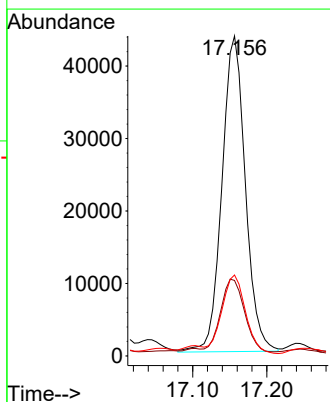
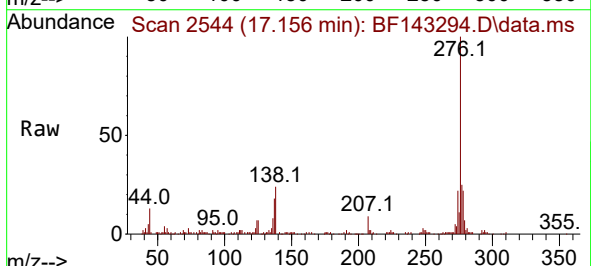
Manual Integrations
APPROVED

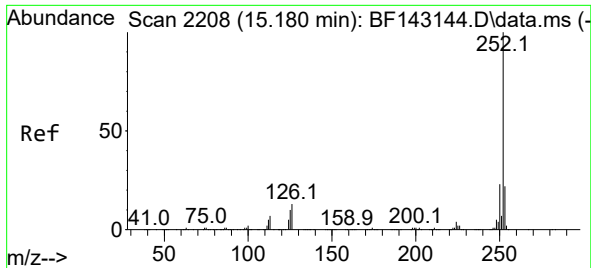
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.431 ng
RT: 17.156 min Scan# 2544
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

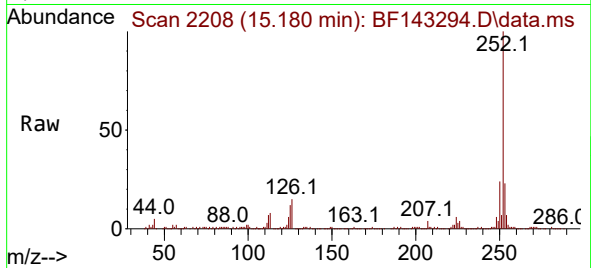
Tgt Ion:276 Resp: 95547
Ion Ratio Lower Upper
276 100
138 24.0 21.8 32.6
277 25.2 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 9.975 ng m
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

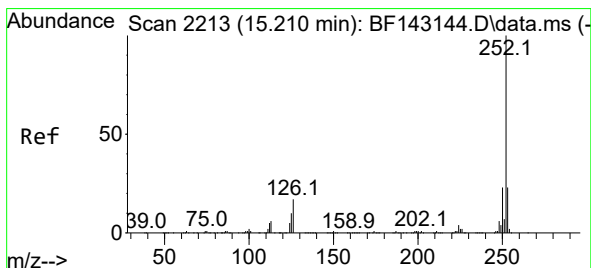
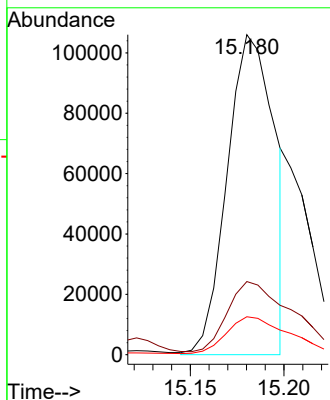
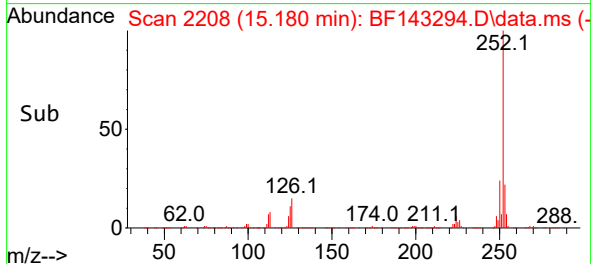
Instrument :
BNA_F
ClientSampleId :
WC1



Tgt Ion:252 Resp: 186338
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.8 8.0 12.0

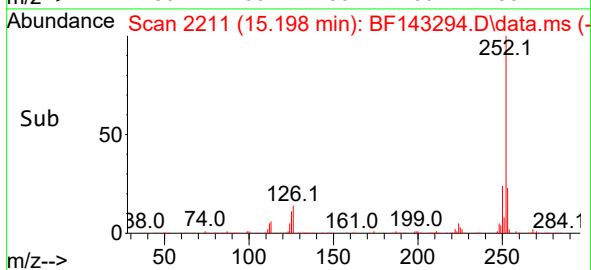
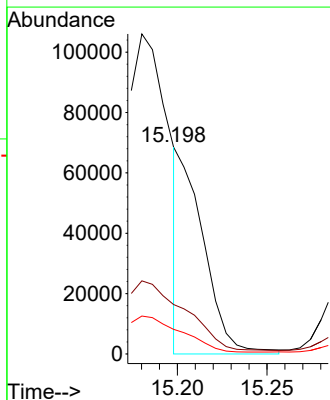
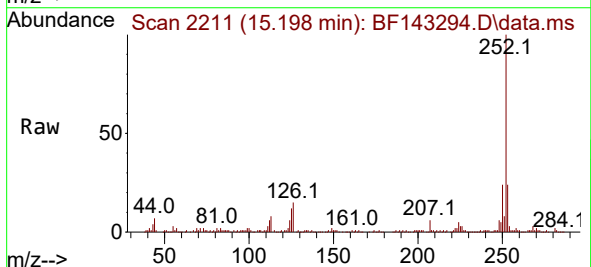
Manual Integrations
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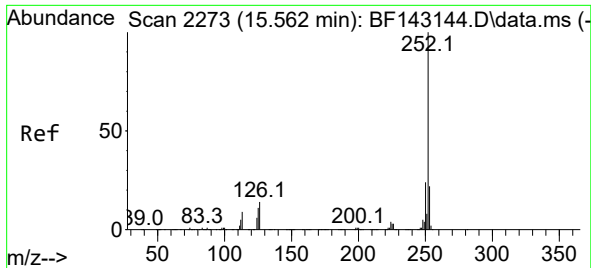
Reviewed By :Rahul Chavli 08/05/2025
Supervised By :Jagrut Upadhyay 08/05/2025



#89
Benzo(k)fluoranthene
Concen: 3.897 ng m
RT: 15.198 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

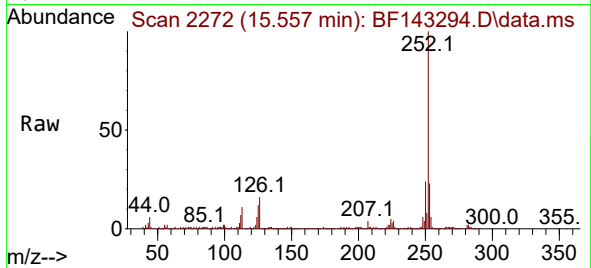
Tgt Ion:252 Resp: 64965
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 11.9 8.1 12.1





#90
Benzo(a)pyrene
Concen: 8.391 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

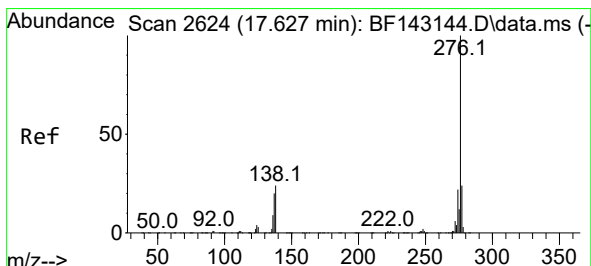
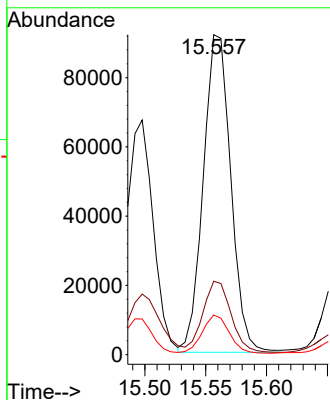
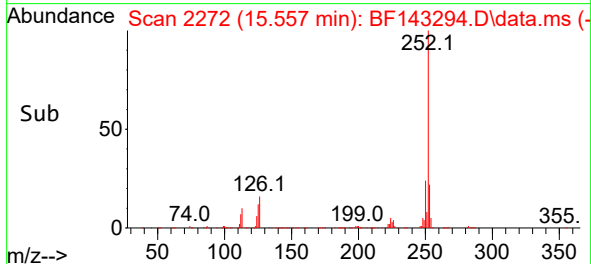
Instrument :
BNA_F
ClientSampleId :
WC1



Tgt Ion:252 Resp: 14442
Ion Ratio Lower Upper
252 100
253 22.9 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: 5.280 ng
RT: 17.621 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BF143294.D
Acq: 04 Aug 2025 14:10

Tgt Ion:276 Resp: 89630
Ion Ratio Lower Upper
276 100
277 24.6 19.1 28.7
138 23.1 18.9 28.3

