

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143316.D
 Acq On : 05 Aug 2025 15:26
 Operator : RC/JU
 Sample : Q2758-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/06/2025
 Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 05 15:47:57 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	6.963	152	117966	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	426817	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	181244	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	254194	20.000	ng	0.00
76) Chrysene-d12	14.139	240	196384	20.000	ng	0.02
86) Perylene-d12	15.657	264	141578	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	531476	71.295	ng	0.01
7) Phenol-d6	6.593	99	681764	72.660	ng	0.00
23) Nitrobenzene-d5	7.516	82	433237	50.597	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	120114	64.151	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	755400	57.001	ng	0.00
79) Terphenyl-d14	13.075	244	608502	46.110	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.263	128	61107	2.907	ng	99
37) 2-Methylnaphthalene	8.957	142	46908	3.667	ng	99
71) Phenanthrene	11.516	178	182250	13.503	ng	98
72) Anthracene	11.563	178	43545m	3.163	ng	
75) Fluoranthene	12.704	202	393665	31.777	ng	97
78) Pyrene	12.939	202	404969	24.162	ng	98
81) Benzo(a)anthracene	14.127	228	204400	15.546	ng	# 87
83) Chrysene	14.163	228	155959	13.193	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.110	149	33330	4.291	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.210	276	100295	10.046	ng	96
88) Benzo(b)fluoranthene	15.210	252	186213m	21.530	ng	
89) Benzo(k)fluoranthene	15.221	252	75056m	9.725	ng	
90) Benzo(a)pyrene	15.592	252	132976	16.687	ng	# 83
91) Dibenzo(a,h)anthracene	17.215	278	20078	2.471	ng	# 61
92) Benzo(g,h,i)perylene	17.680	276	112786	14.349	ng	96

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

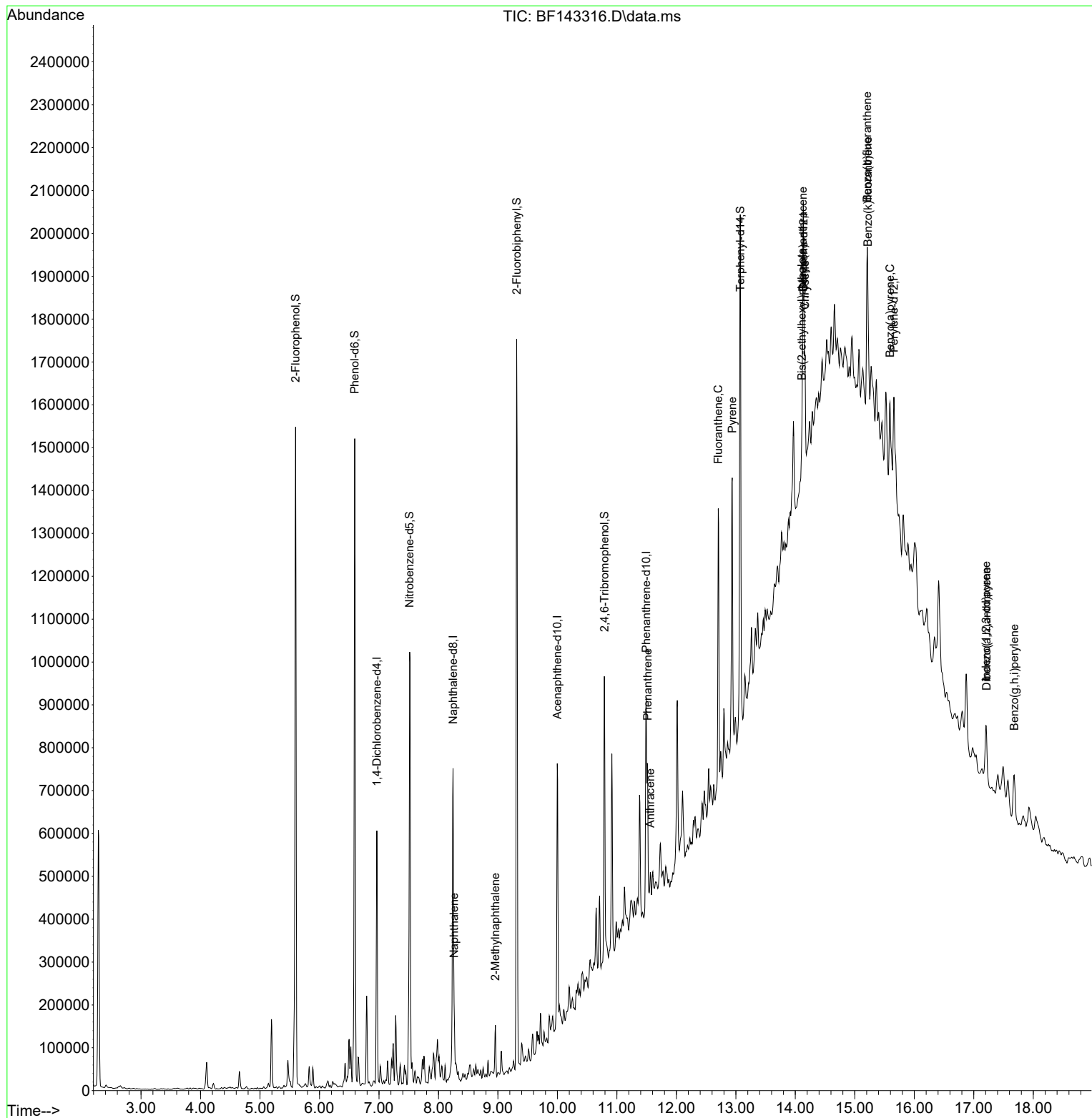
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
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ALS Vial : 13 Sample Multiplier: 1

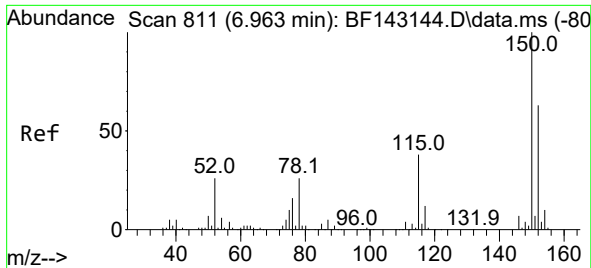
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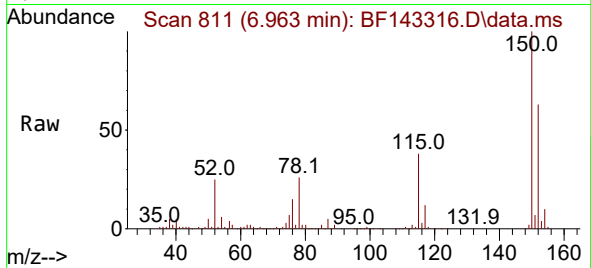
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

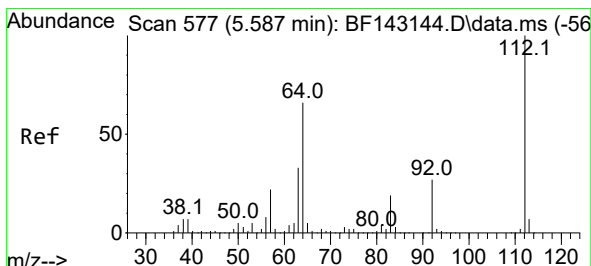
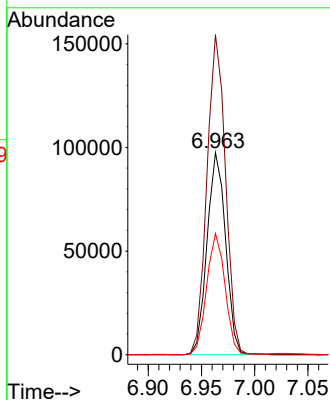
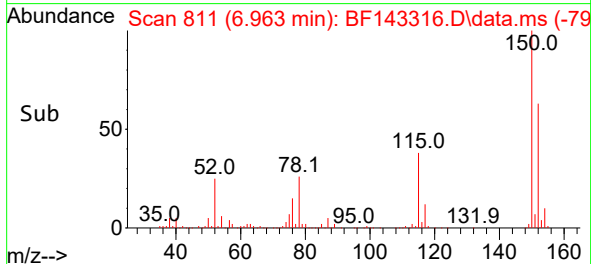
Instrument :
BNA_F
ClientSampleId :
WASTE



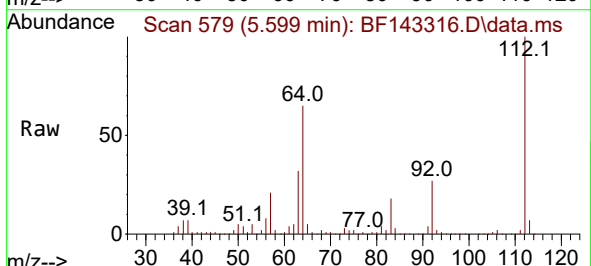
Tgt Ion:152 Resp: 117960
Ion Ratio Lower Upper
152 100
150 158.3 128.2 192.4
115 59.9 47.9 71.9

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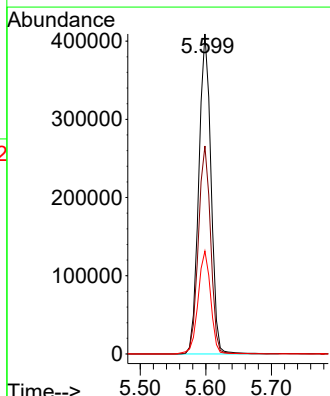
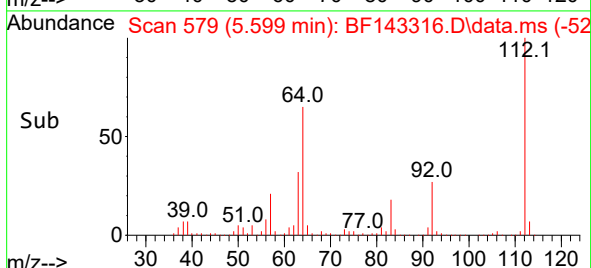
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

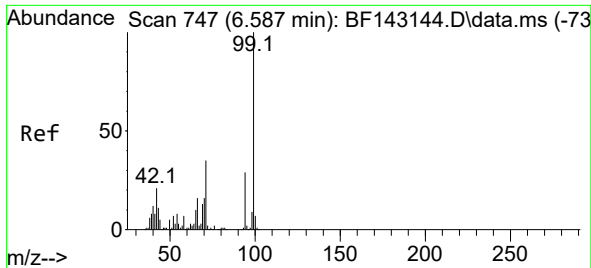


#5
2-Fluorophenol
Concen: 71.295 ng
RT: 5.599 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26



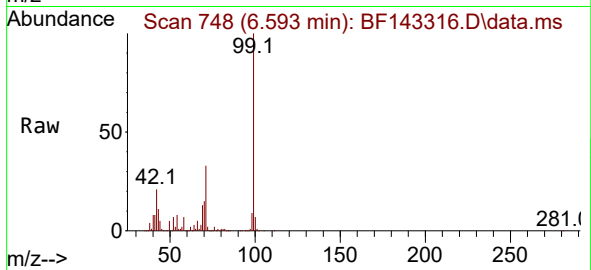
Tgt Ion:112 Resp: 531476
Ion Ratio Lower Upper
112 100
64 65.0 53.1 79.7
63 32.1 26.6 40.0





#7
Phenol-d6
Concen: 72.660 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

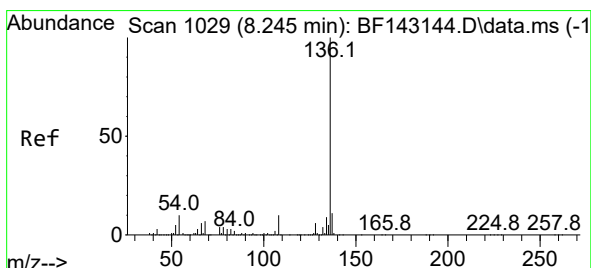
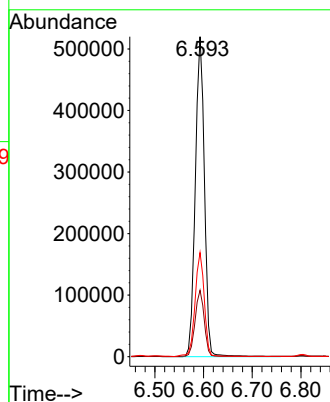
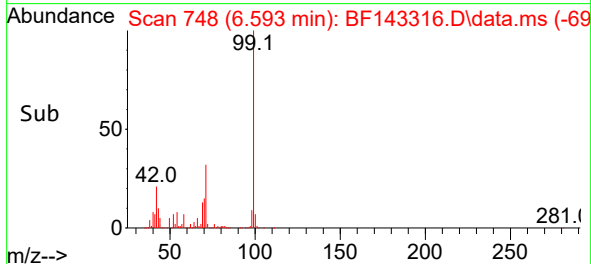
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 681764
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 32.6 27.7 41.5

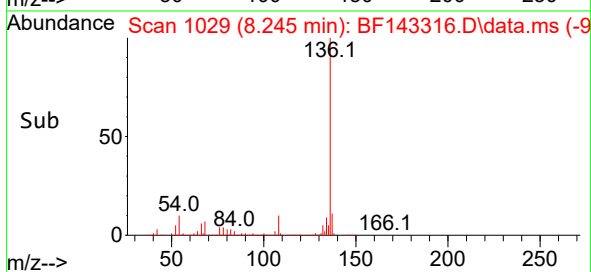
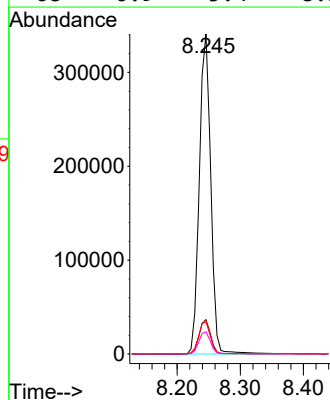
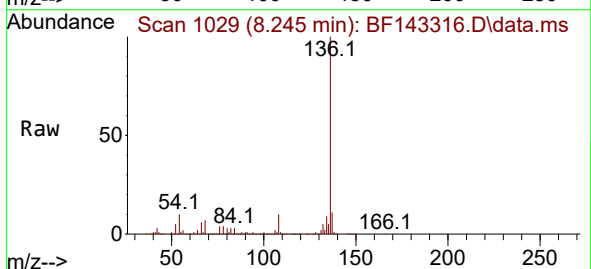
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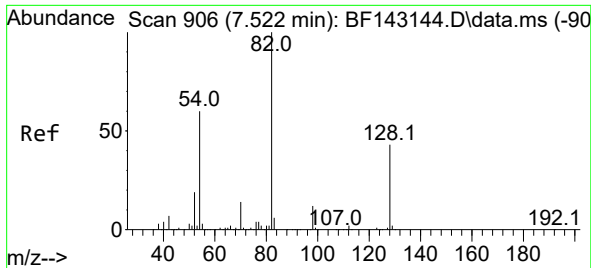
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

Tgt Ion:136 Resp: 426817
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 10.0 8.2 12.2
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 50.597 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143316.D

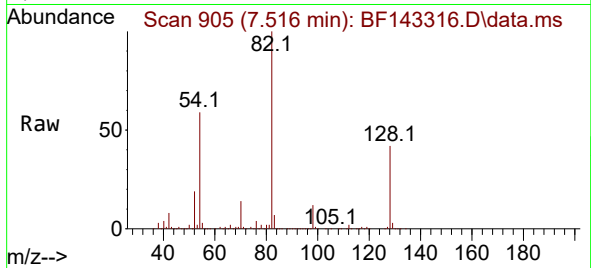
Acq: 05 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

WASTE



Tgt Ion: 82 Resp: 43323

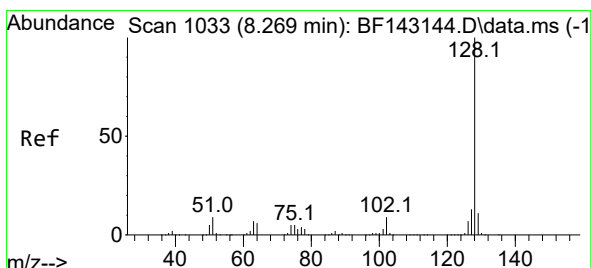
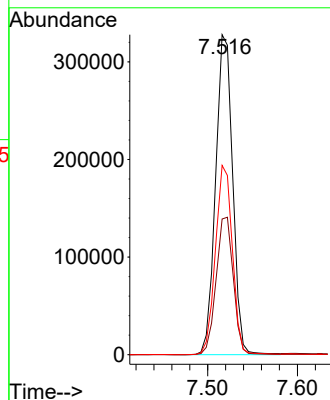
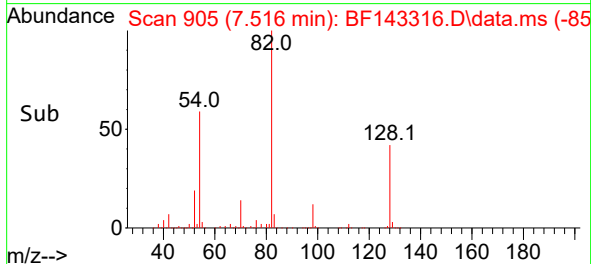
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.6	50.4
54	59.1	47.1	70.7

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#31

Naphthalene

Concen: 2.907 ng

RT: 8.263 min Scan# 1032

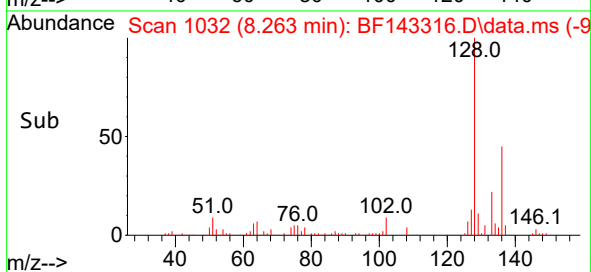
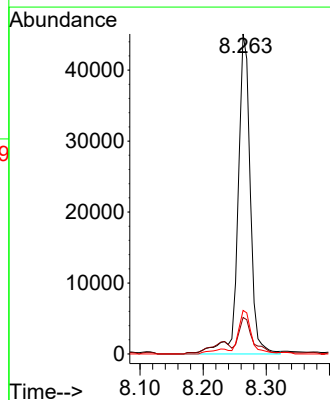
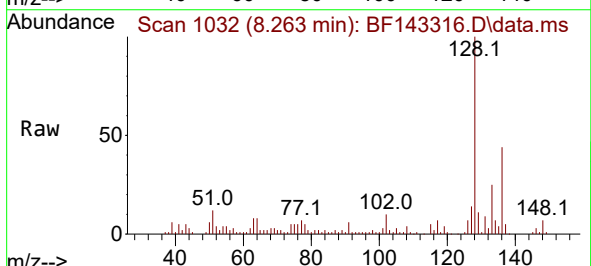
Delta R.T. -0.006 min

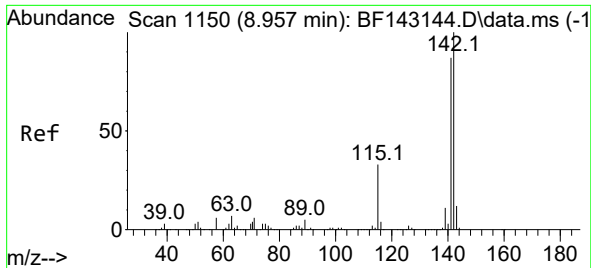
Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

Tgt Ion:128 Resp: 61107

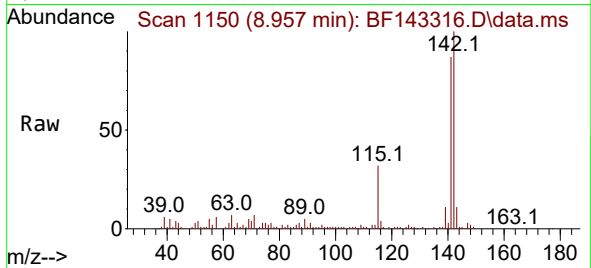
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.6	10.6	16.0





#37
2-Methylnaphthalene
Concen: 3.667 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

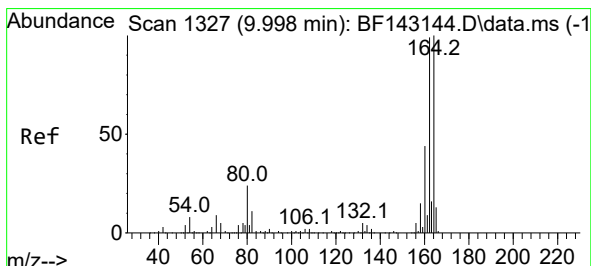
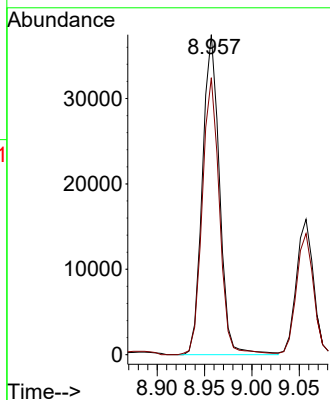
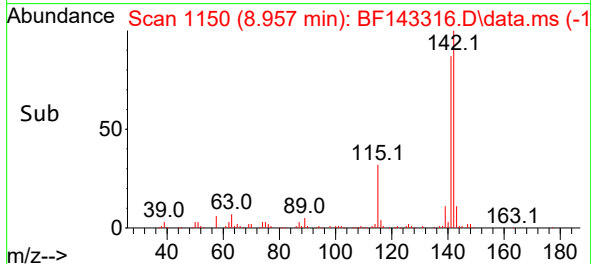
Instrument :
BNA_F
ClientSampleId :
WASTE



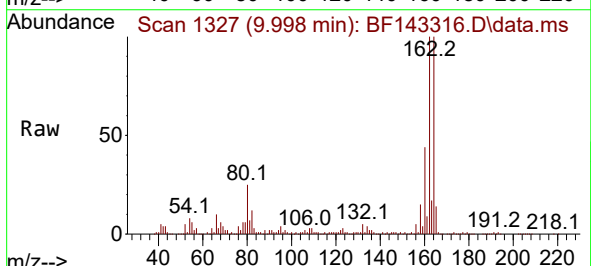
Tgt Ion:142 Resp: 46908
Ion Ratio Lower Upper
142 100
141 86.5 69.9 104.9

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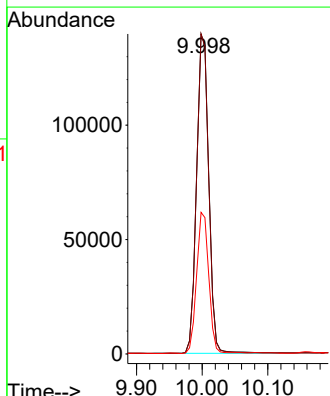
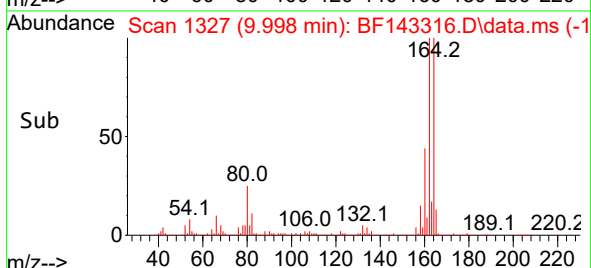
Reviewed By :Rahul Chavli 08/06/2025
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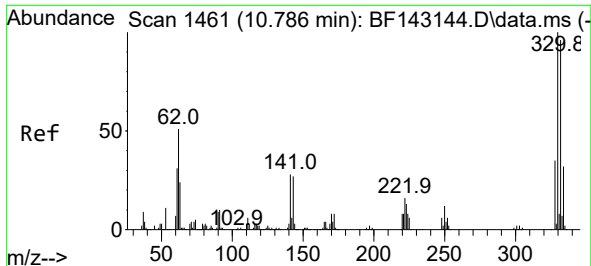


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26



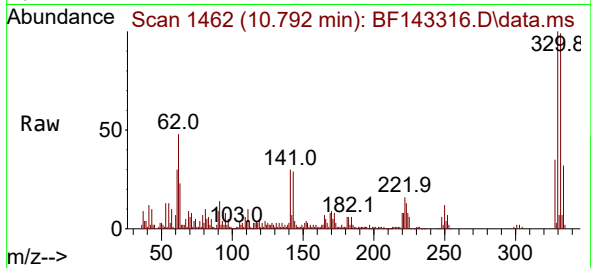
Tgt Ion:164 Resp: 181244
Ion Ratio Lower Upper
164 100
162 100.1 79.0 118.6
160 44.3 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 64.151 ng
RT: 10.792 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

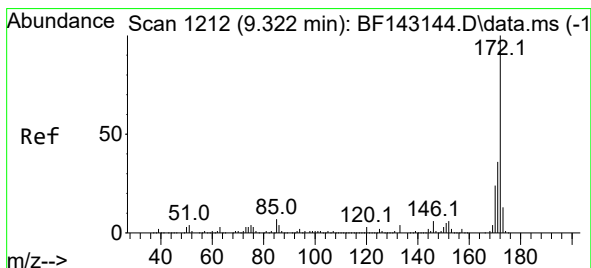
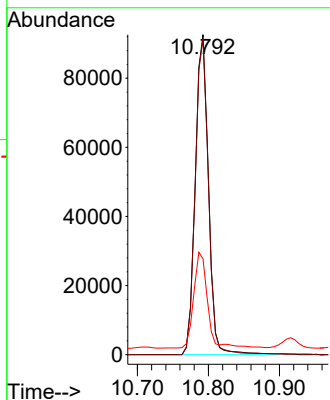
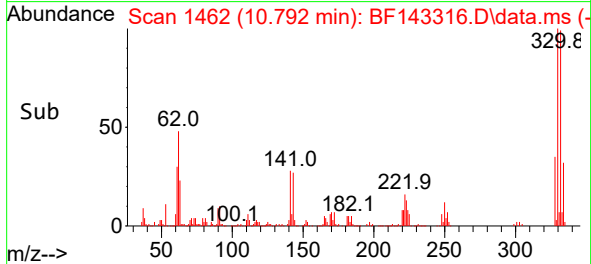
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 330 Resp: 120114
Ion Ratio Lower Upper
330 100
332 98.7 76.7 115.1
141 31.3 23.3 34.9

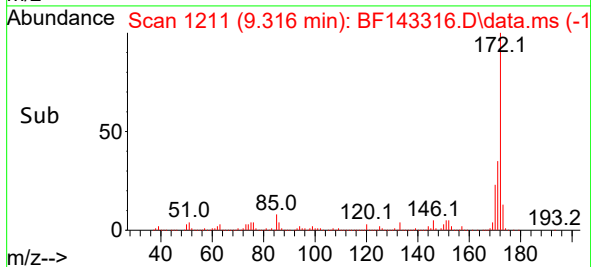
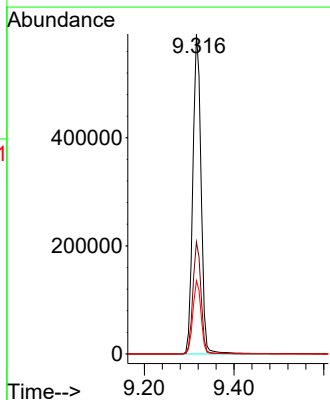
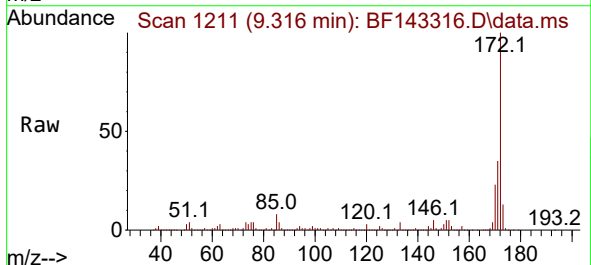
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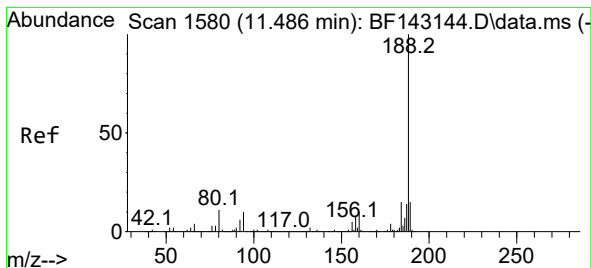
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#45
2-Fluorobiphenyl
Concen: 57.001 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

Tgt Ion: 172 Resp: 755400
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 22.9 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1581

Delta R.T. 0.006 min

Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

WASTE

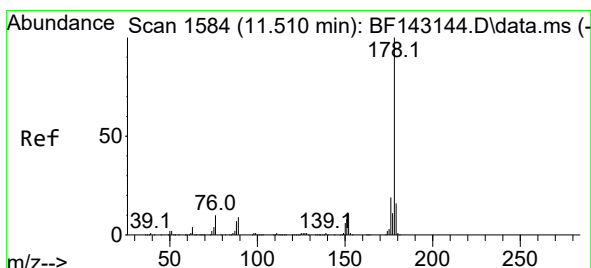
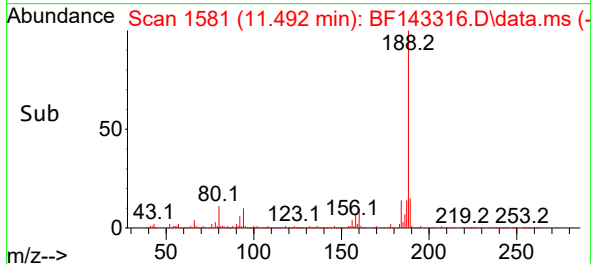
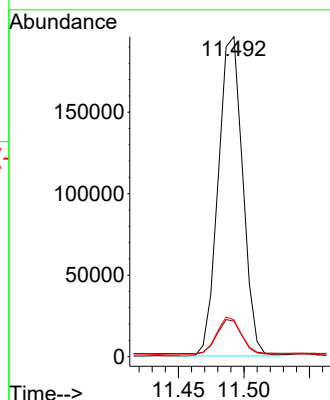
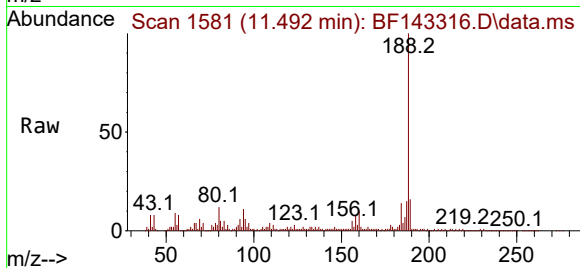
Tgt Ion:188	Resp: 254194
Ion Ratio	Lower Upper
188 100	
94 11.1	8.3 12.5
80 11.5	9.0 13.6

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#71

Phenanthrene

Concen: 13.503 ng

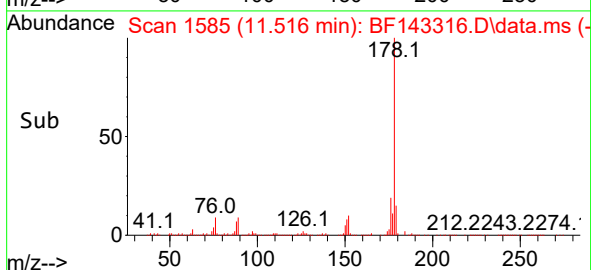
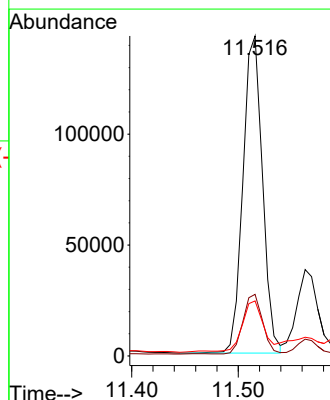
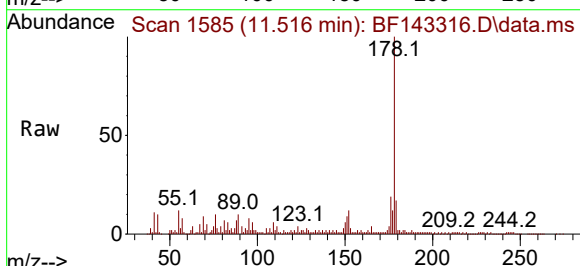
RT: 11.516 min Scan# 1585

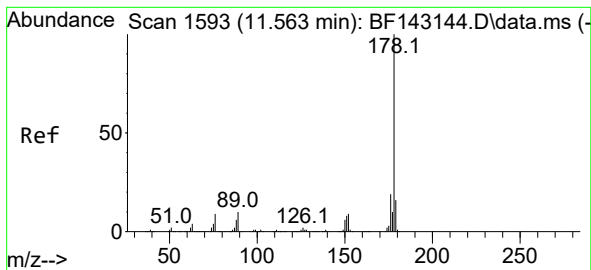
Delta R.T. 0.006 min

Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

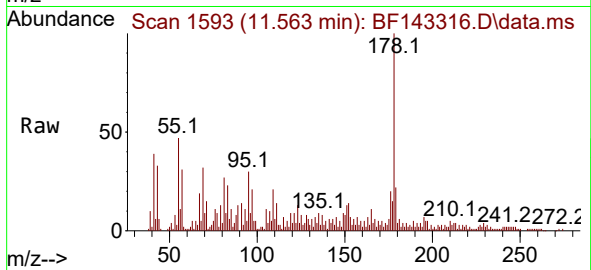
Tgt Ion:178	Resp: 182250
Ion Ratio	Lower Upper
178 100	
176 19.2	15.3 22.9
179 17.2	12.5 18.7





#72
 Anthracene
 Concen: 3.163 ng m
 RT: 11.563 min Scan# 11593
 Delta R.T. 0.000 min
 Lab File: BF143316.D
 Acq: 05 Aug 2025 15:26

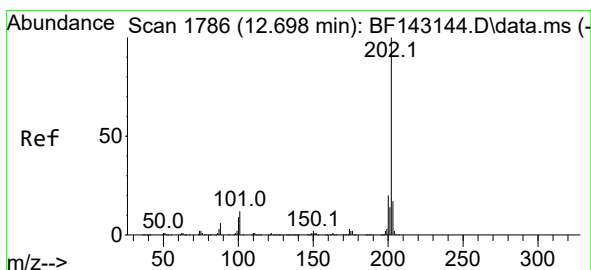
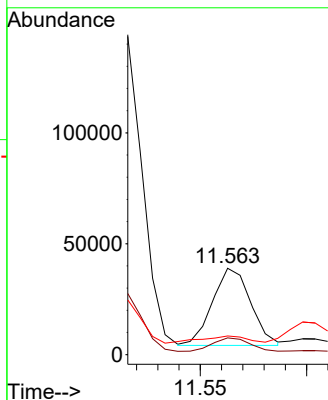
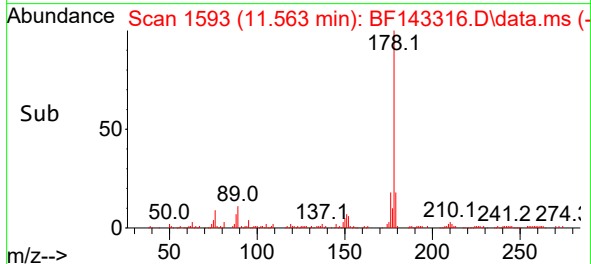
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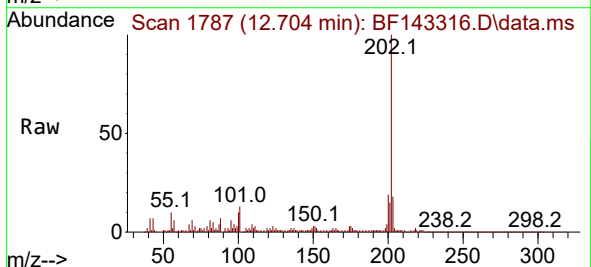
Tgt Ion:178 Resp: 43545
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.4
 179 21.6 12.5 18.7

Manual Integrations
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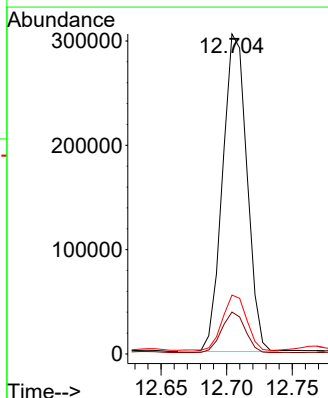
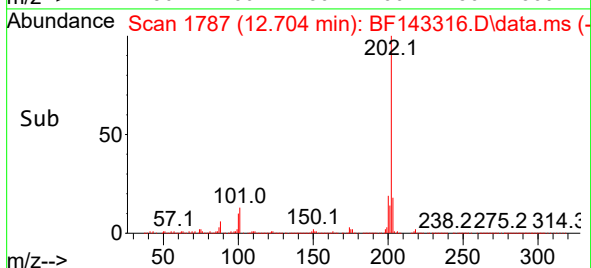
Reviewed By :Rahul Chavli 08/06/2025
 Supervised By :Jagrut Upadhyay 08/06/2025

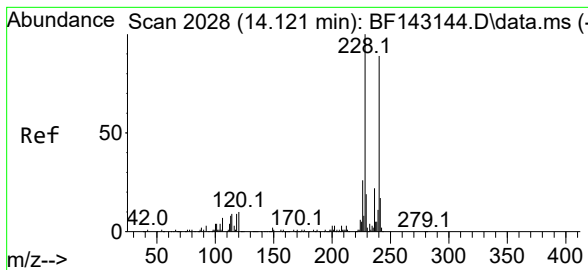


#75
 Fluoranthene
 Concen: 31.777 ng
 RT: 12.704 min Scan# 1787
 Delta R.T. 0.006 min
 Lab File: BF143316.D
 Acq: 05 Aug 2025 15:26



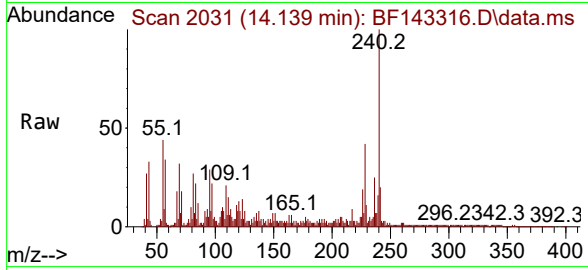
Tgt Ion:202 Resp: 393665
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 31.7
 203 18.4 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2028
Delta R.T. 0.018 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

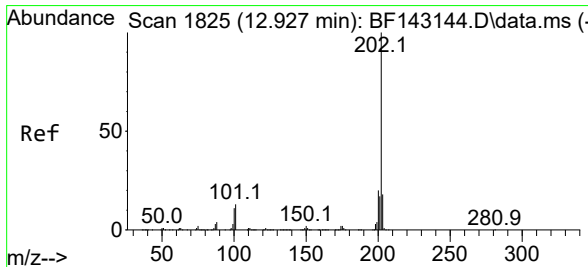
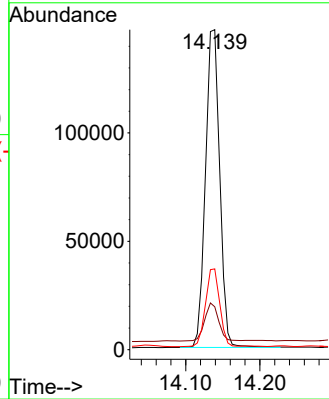
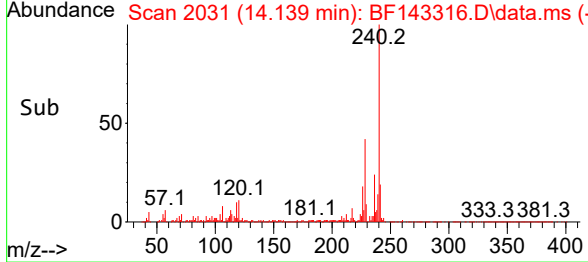
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:240 Resp: 196384
Ion Ratio Lower Upper
240 100
120 13.4 9.4 14.2
236 25.3 20.2 30.4

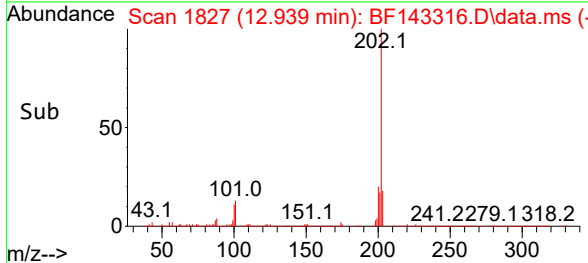
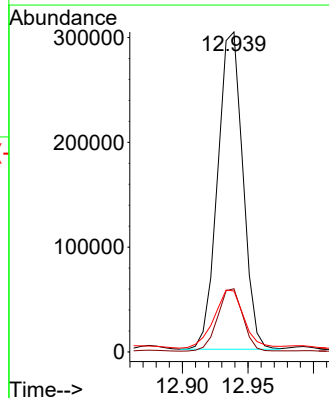
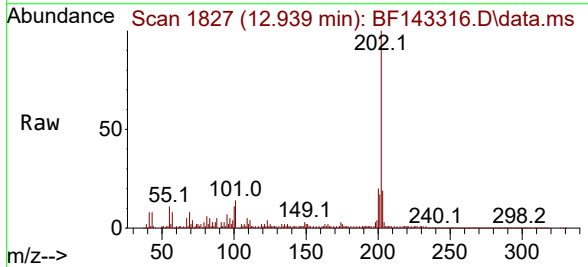
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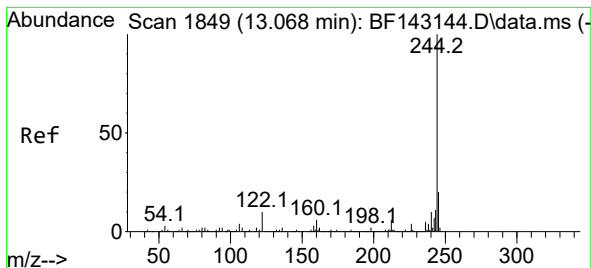
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#78
Pyrene
Concen: 24.162 ng
RT: 12.939 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

Tgt Ion:202 Resp: 404969
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 19.0 14.2 21.2





#79

Terphenyl-d14

Concen: 46.110 ng

RT: 13.075 min Scan# 1849

Delta R.T. 0.006 min

Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

WASTE

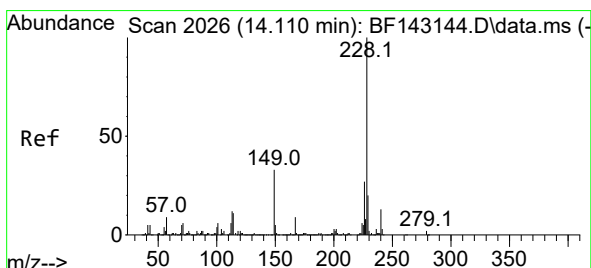
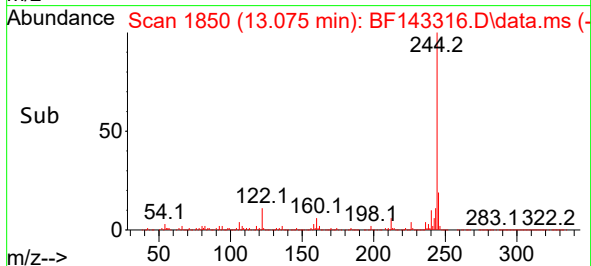
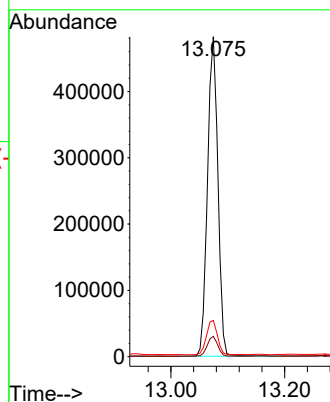
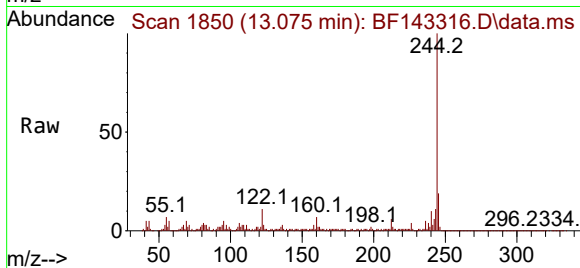
Tgt Ion:244 Resp: 608502
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 11.4 8.2 12.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/06/2025



#81

Benzo(a)anthracene

Concen: 15.546 ng

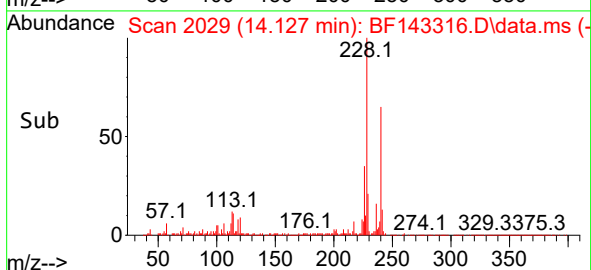
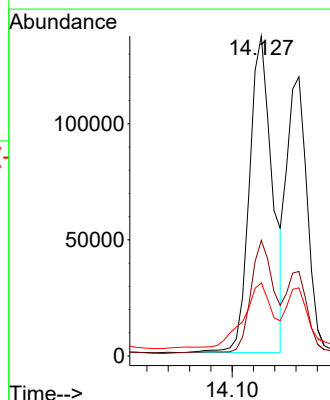
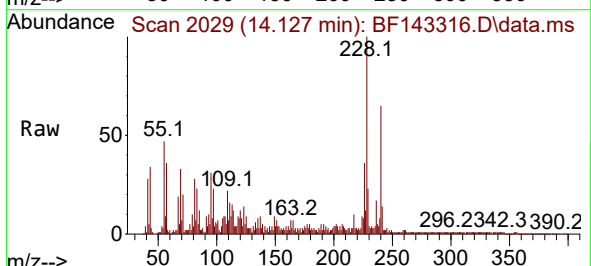
RT: 14.127 min Scan# 2029

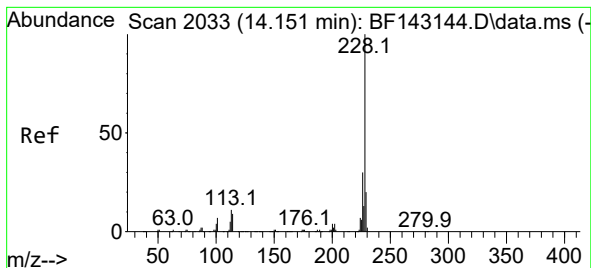
Delta R.T. 0.018 min

Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

Tgt Ion:228 Resp: 204400
 Ion Ratio Lower Upper
 228 100
 226 36.1 21.7 32.5#
 229 22.8 15.8 23.6





#83

Chrysene

Concen: 13.193 ng

RT: 14.163 min Scan# 2033

Delta R.T. 0.012 min

Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

WASTE

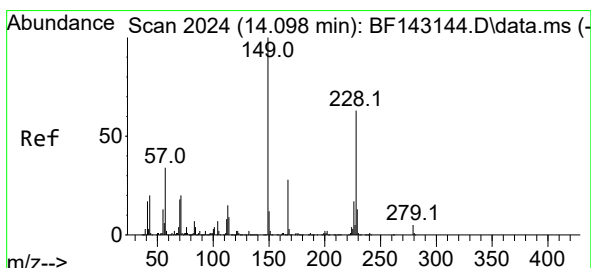
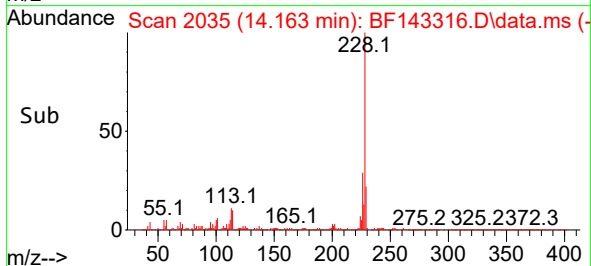
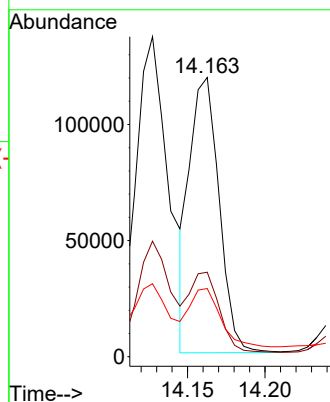
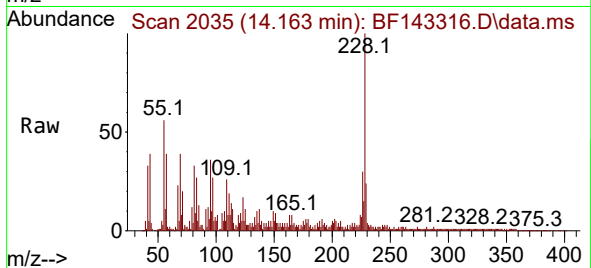
Tgt Ion:228 Resp: 155959
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.8 35.8
 229 24.4 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.291 ng

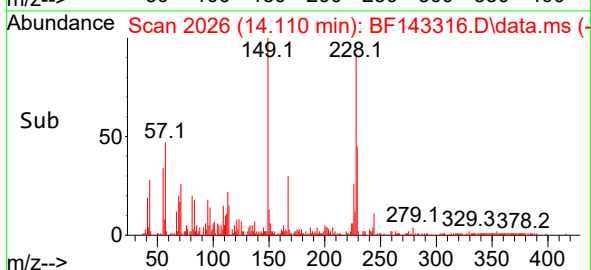
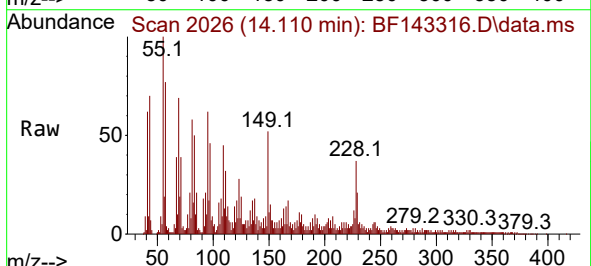
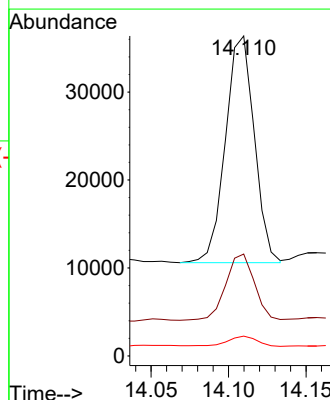
RT: 14.110 min Scan# 2026

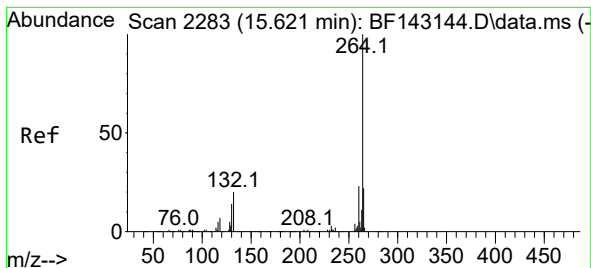
Delta R.T. 0.012 min

Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

Tgt Ion:149 Resp: 33330
 Ion Ratio Lower Upper
 149 100
 167 31.8 22.3 33.5
 279 6.2 3.6 5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.657 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

WASTE

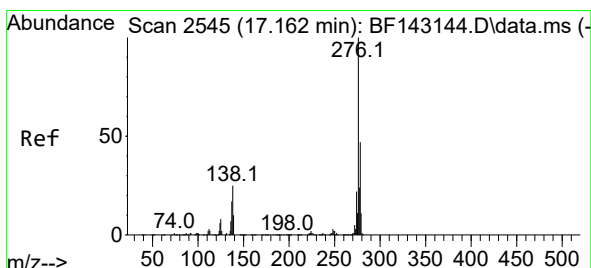
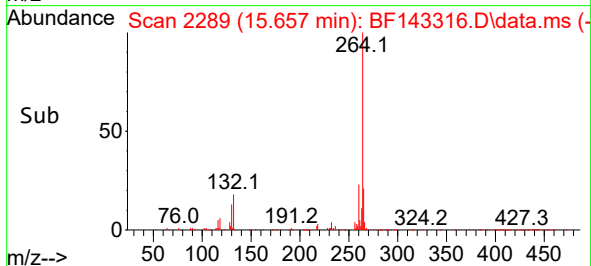
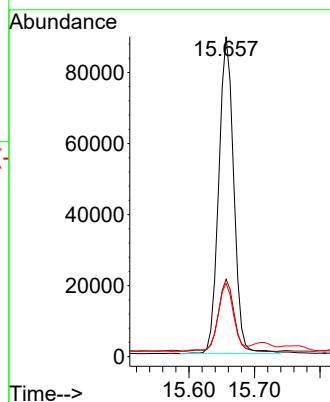
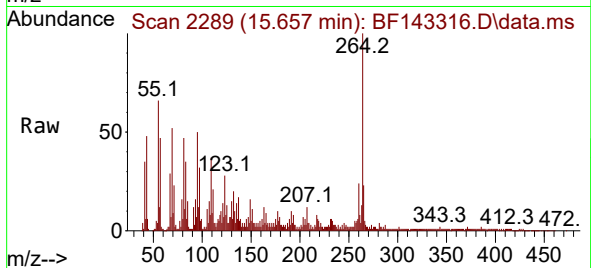
Tgt Ion:	264	Resp:	141578
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.5	27.7
265	22.9	17.4	26.2

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Supervised By :Jagrut Upadhyay 08/06/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.046 ng

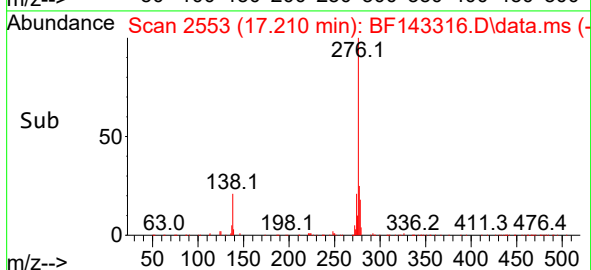
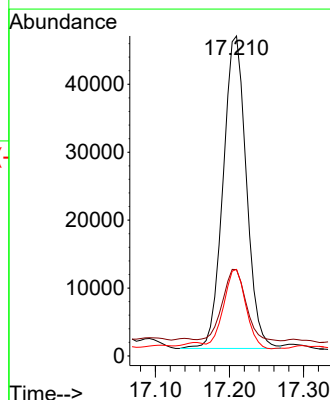
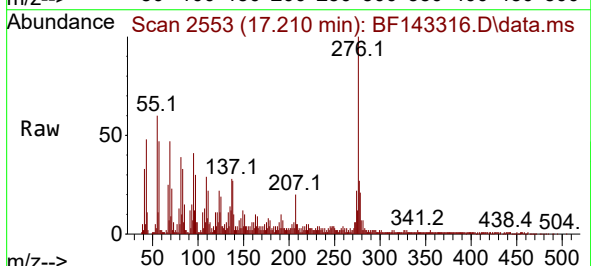
RT: 17.210 min Scan# 2553

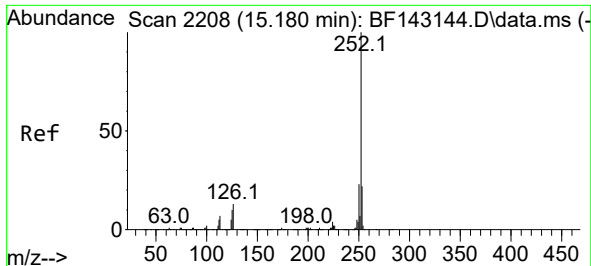
Delta R.T. 0.047 min

Lab File: BF143316.D

Acq: 05 Aug 2025 15:26

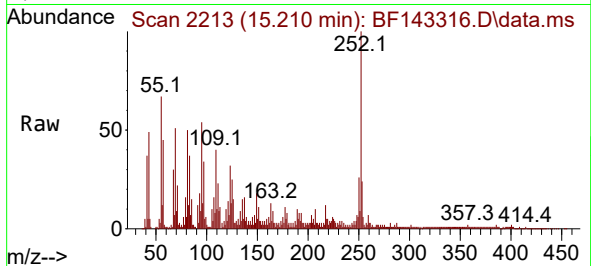
Tgt Ion:	276	Resp:	100295
Ion Ratio	Lower	Upper	
276	100		
138	24.1	21.8	32.6
277	24.3	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 21.530 ng m
RT: 15.210 min Scan# 2115
Delta R.T. 0.030 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

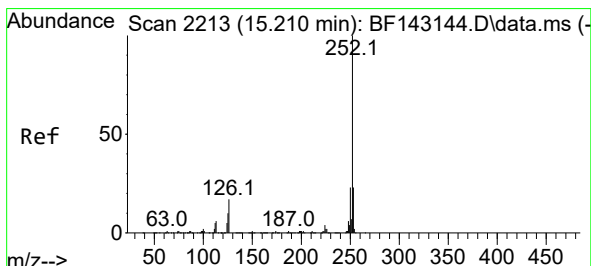
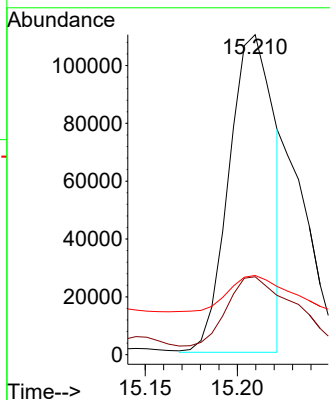
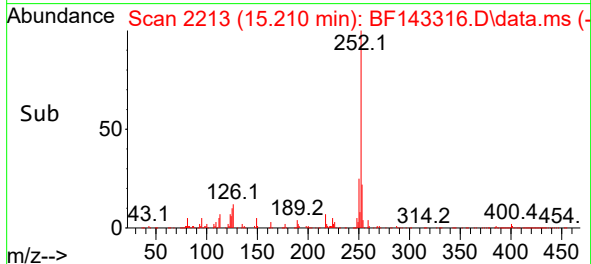
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:252 Resp: 18621
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 24.7 8.0 12.0

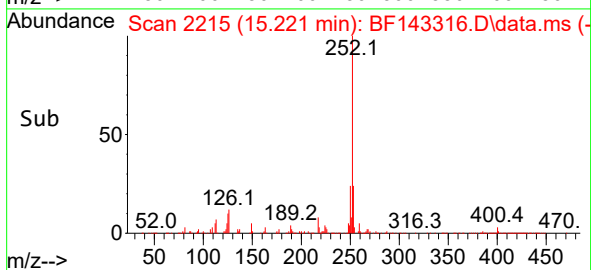
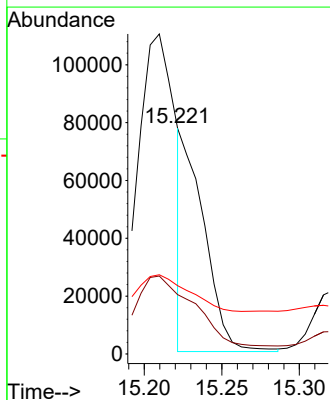
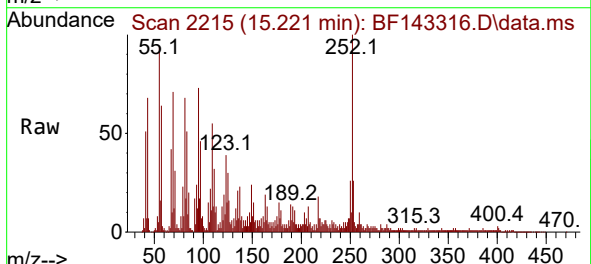
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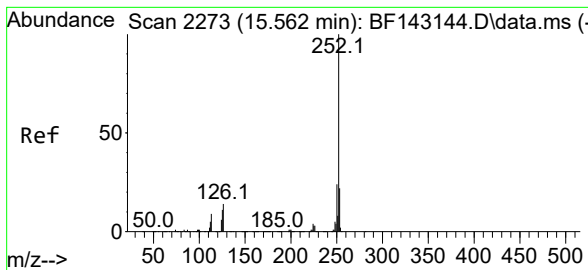
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#89
Benzo(k)fluoranthene
Concen: 9.725 ng m
RT: 15.221 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

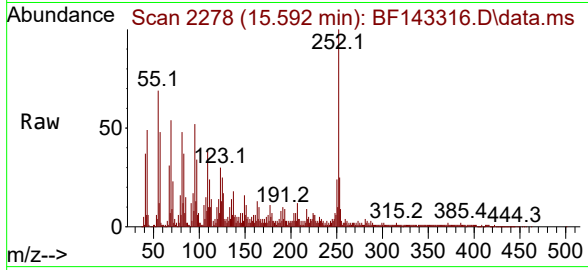
Tgt Ion:252 Resp: 75056
Ion Ratio Lower Upper
252 100
253 26.3 17.8 26.6
125 30.3 8.1 12.1





#90
Benzo(a)pyrene
Concen: 16.687 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

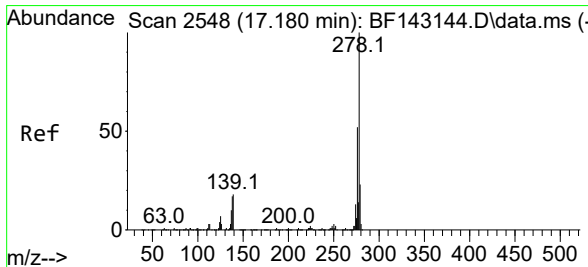
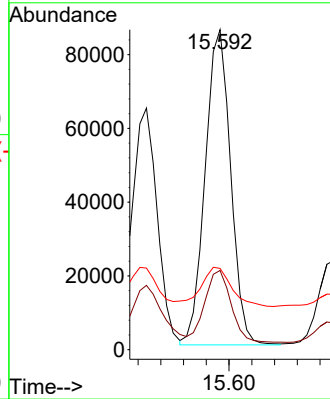
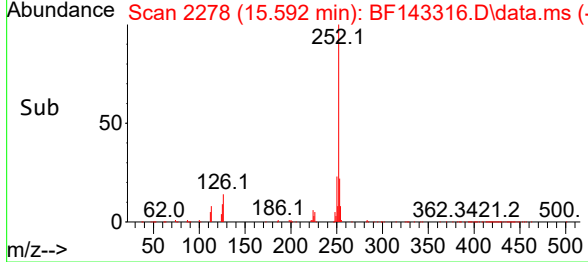
Instrument :
BNA_F
ClientSampleId :
WASTE



Tgt Ion:252 Resp: 132970
Ion Ratio Lower Upper
252 100
253 24.7 17.3 25.9
125 25.4 8.6 13.0

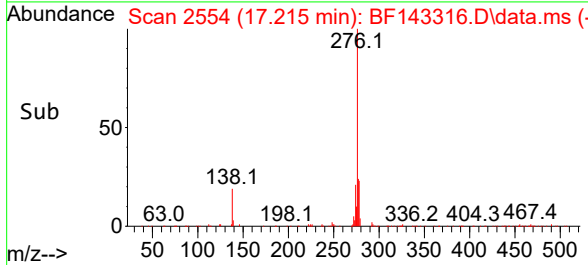
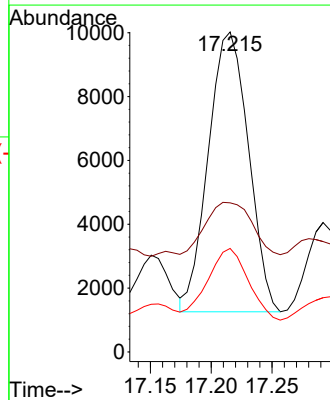
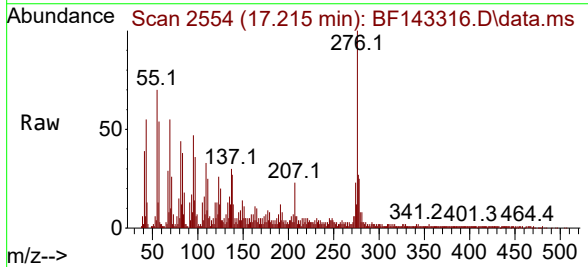
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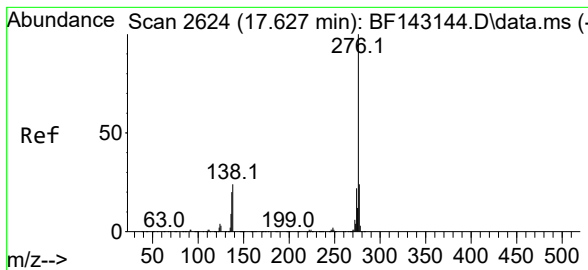
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#91
Dibenzo(a,h)anthracene
Concen: 2.471 ng
RT: 17.215 min Scan# 2554
Delta R.T. 0.035 min
Lab File: BF143316.D
Acq: 05 Aug 2025 15:26

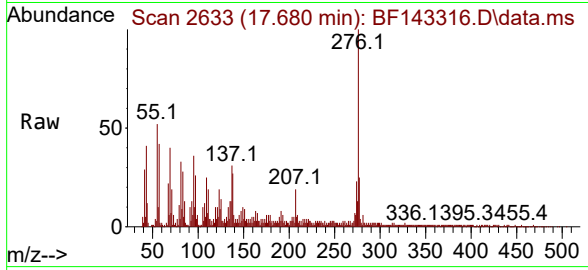
Tgt Ion:278 Resp: 20078
Ion Ratio Lower Upper
278 100
139 46.6 14.1 21.1#
279 32.3 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 14.349 ng
 RT: 17.680 min Scan# 20
 Delta R.T. 0.053 min
 Lab File: BF143316.D
 Acq: 05 Aug 2025 15:26

Instrument :
 BNA_F
 ClientSampleId :
 WASTE



Tgt Ion: 276 Resp: 112780
 Ion Ratio Lower Upper
 276 100
 277 24.7 19.1 28.7
 138 27.2 18.9 28.3

Manual Integrations
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 Supervised By :Jagrut Upadhyay 08/06/2025

