

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143311.D
 Acq On : 05 Aug 2025 13:01
 Operator : RC/JU
 Sample : Q2747-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 13:29:50 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	129995	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	487756	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	228245	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	315254	20.000	ng	0.00
76) Chrysene-d12	14.127	240	238738	20.000	ng	0.00
86) Perylene-d12	15.639	264	200028	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	608610	74.088	ng	0.00
7) Phenol-d6	6.587	99	781098	75.543	ng	0.00
23) Nitrobenzene-d5	7.516	82	495547	50.643	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	148725	63.075	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	839103	50.278	ng	0.00
79) Terphenyl-d14	13.069	244	646423	40.293	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.698	202	69136	4.500	ng	97
78) Pyrene	12.927	202	58855	2.889	ng	98
81) Benzo(a)anthracene	14.116	228	47782	2.989	ng	# 89
83) Chrysene	14.151	228	57772	4.020	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.104	149	26361	2.791	ng	98
88) Benzo(b)fluoranthene	15.192	252	81090m	6.636	ng	
90) Benzo(a)pyrene	15.569	252	36380	3.231	ng	# 83
92) Benzo(g,h,i)perylene	17.651	276	25346	2.282	ng	# 91

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

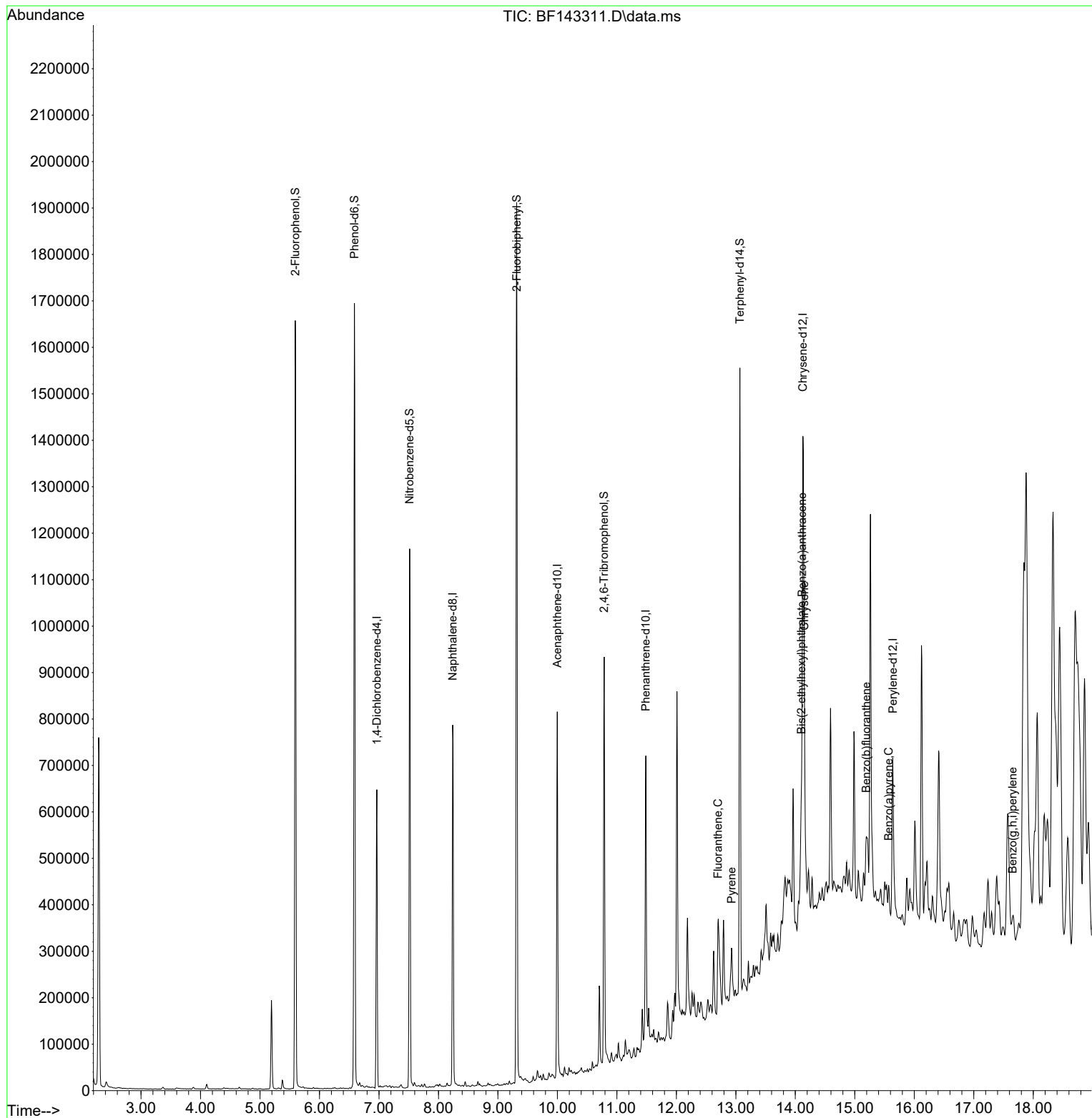
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
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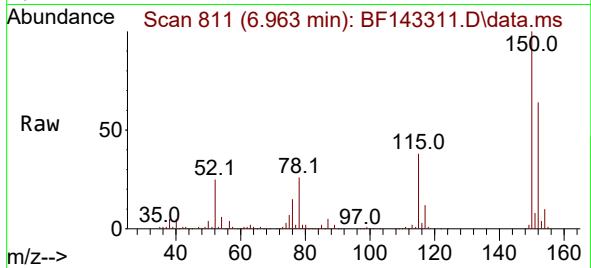
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

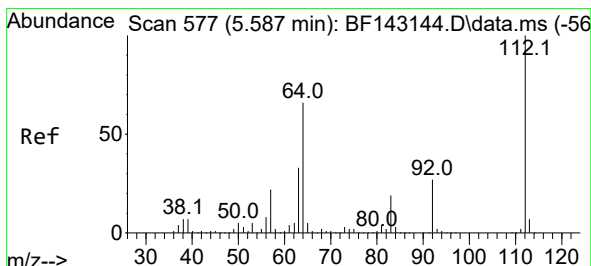
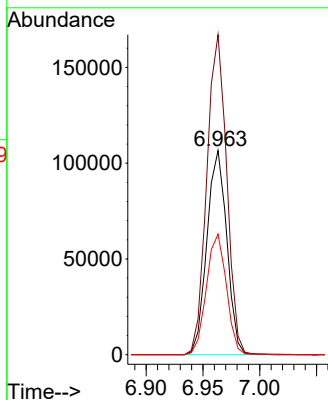
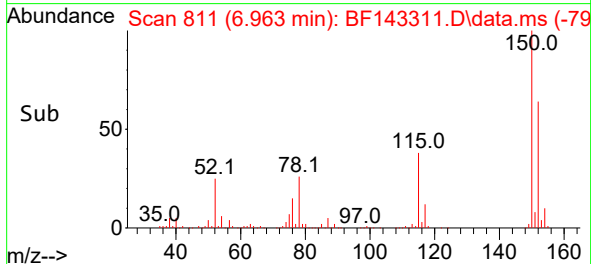
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



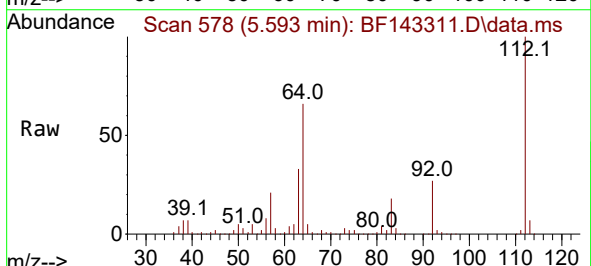
Tgt Ion:152 Resp: 12999
Ion Ratio Lower Upper
152 100
150 156.8 128.2 192.4
115 59.0 47.9 71.9

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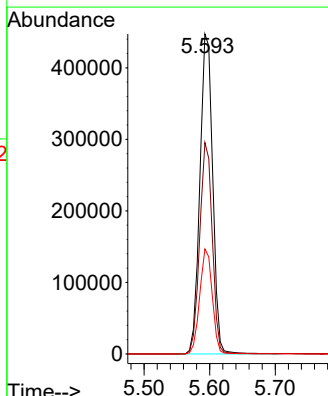
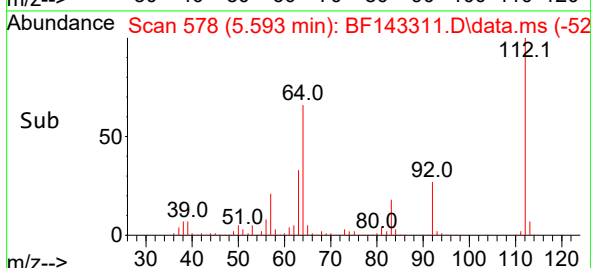
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

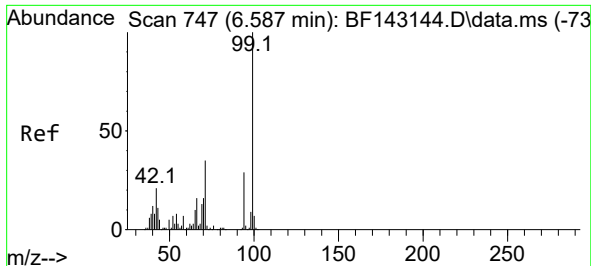


#5
2-Fluorophenol
Concen: 74.088 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01



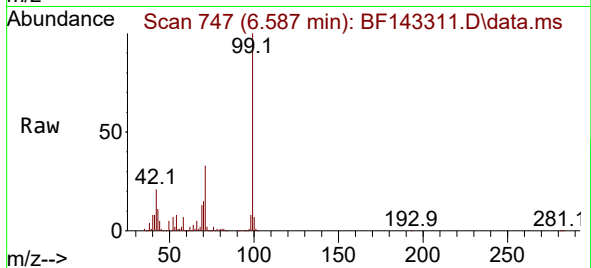
Tgt Ion:112 Resp: 608610
Ion Ratio Lower Upper
112 100
64 66.1 53.1 79.7
63 32.8 26.6 40.0





#7
Phenol-d6
Concen: 75.543 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

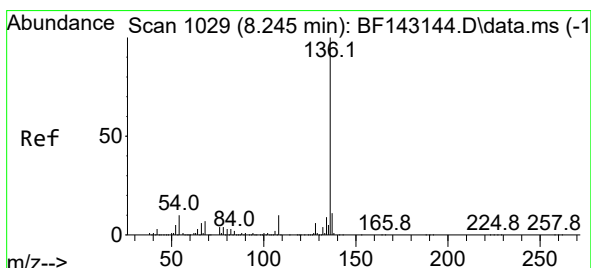
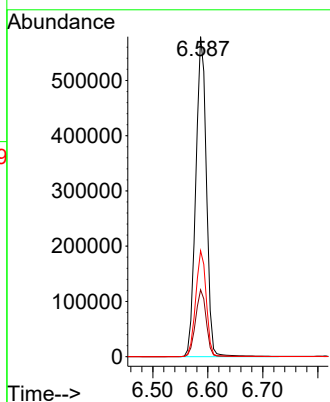
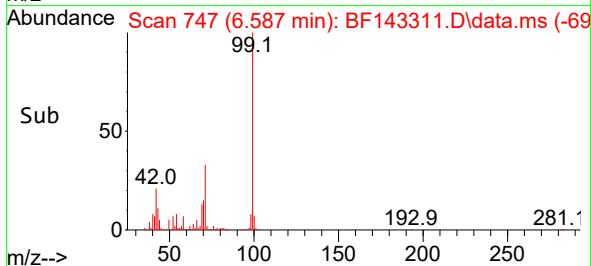
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



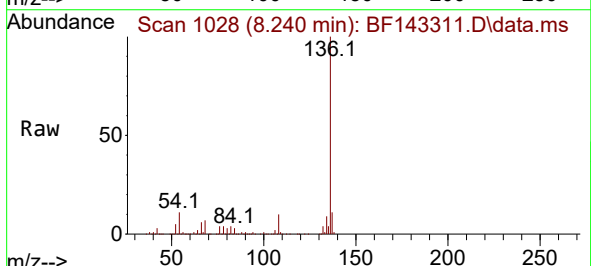
Tgt Ion: 99 Resp: 781098
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 33.1 27.7 41.5

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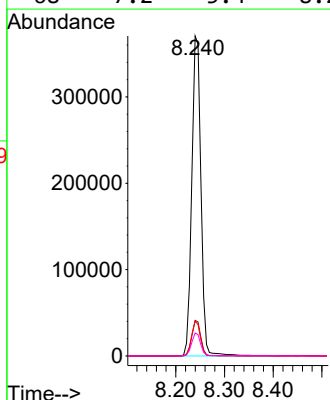
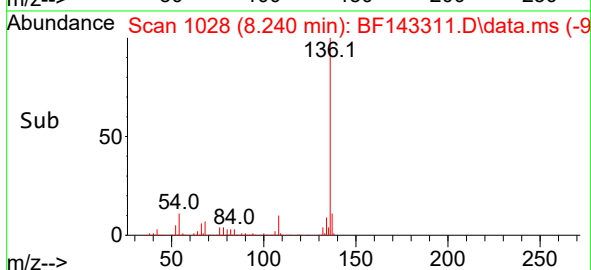
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01



Tgt Ion:136 Resp: 487756
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 10.9 8.2 12.2
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 50.643 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143311.D

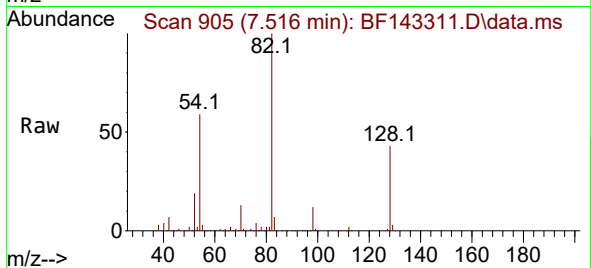
Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125



Tgt Ion: 82 Resp: 49554

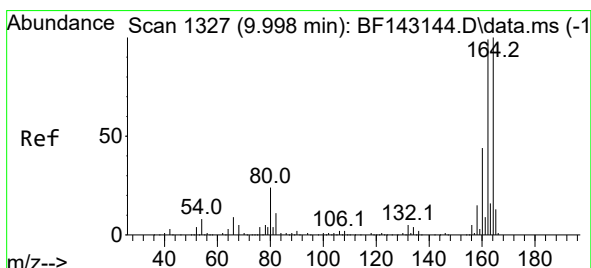
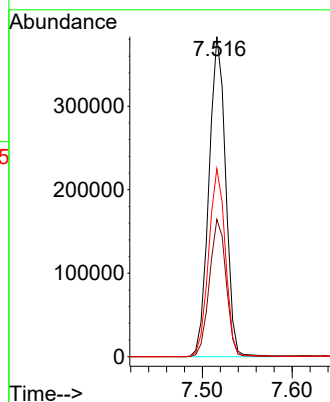
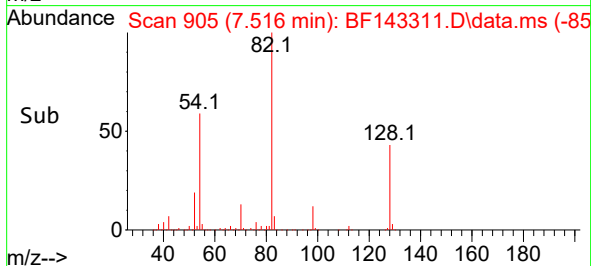
Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.6	50.4
54	58.8	47.1	70.7

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Supervised By :Jagrut Upadhyay 08/06/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

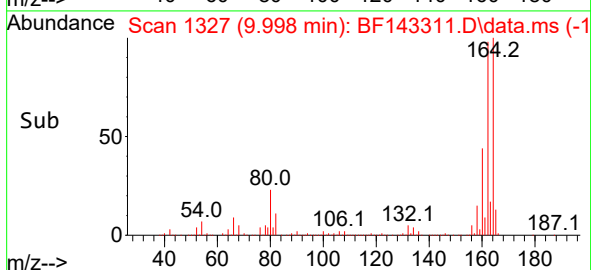
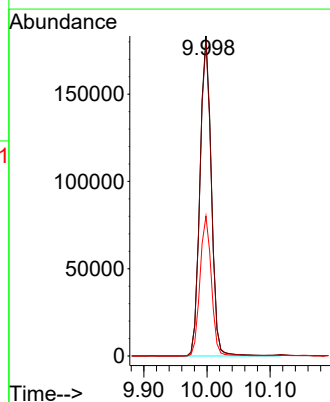
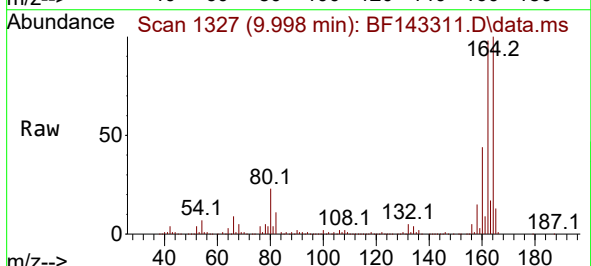
Delta R.T. 0.000 min

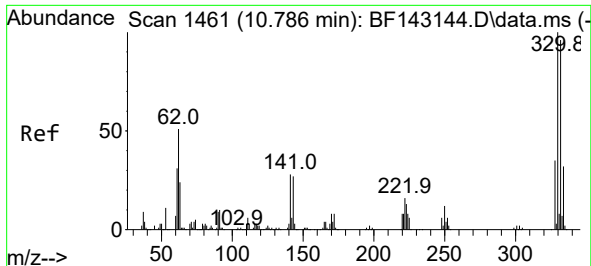
Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

Tgt Ion:164 Resp: 228245

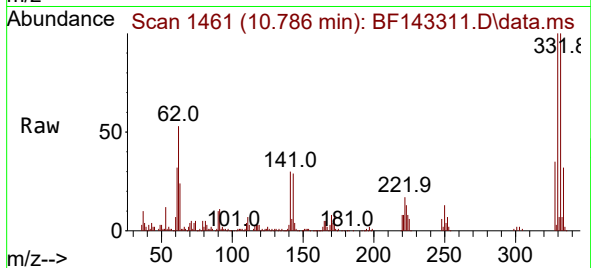
Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	43.7	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 63.075 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

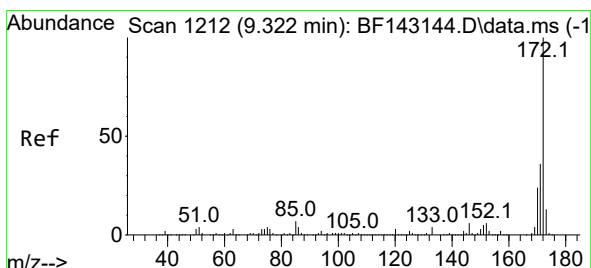
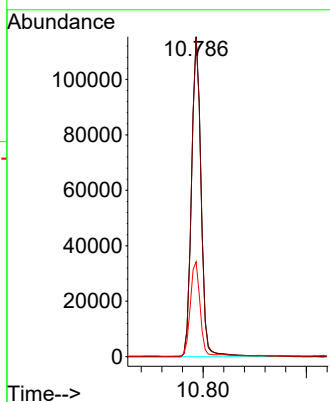
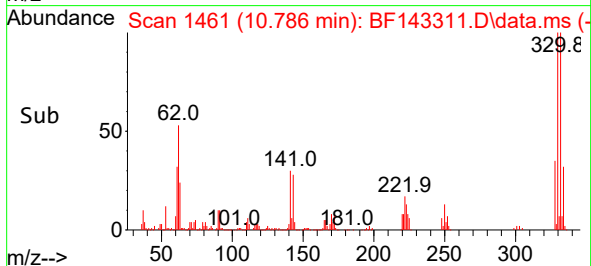
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



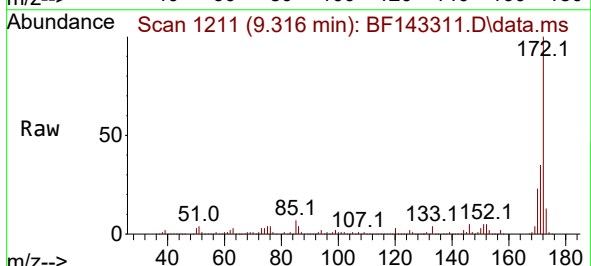
Tgt Ion: 330 Resp: 148725
Ion Ratio Lower Upper
330 100
332 98.6 76.7 115.1
141 29.6 23.3 34.9

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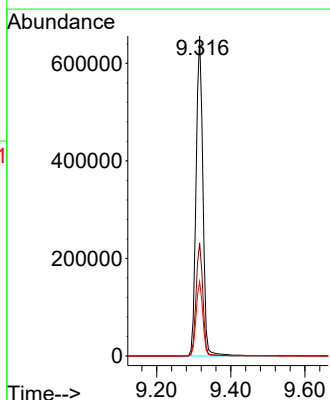
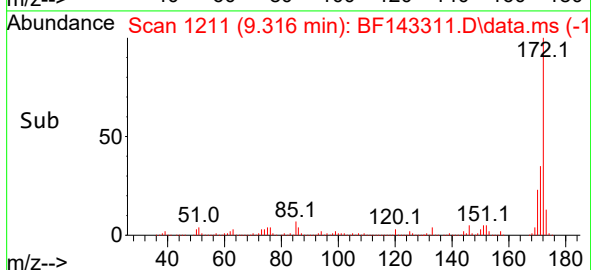
Reviewed By :Rahul Chavli 08/06/2025
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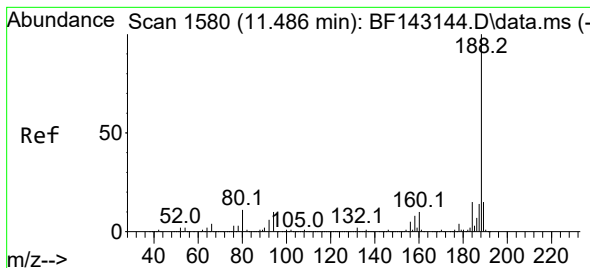


#45
2-Fluorobiphenyl
Concen: 50.278 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01



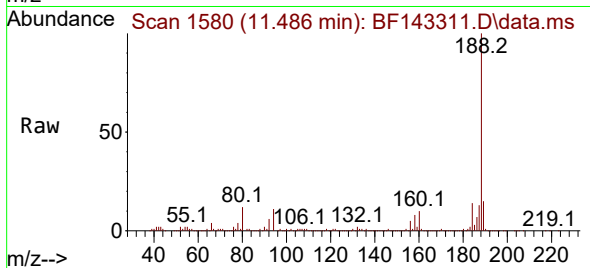
Tgt Ion: 172 Resp: 839103
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.2 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

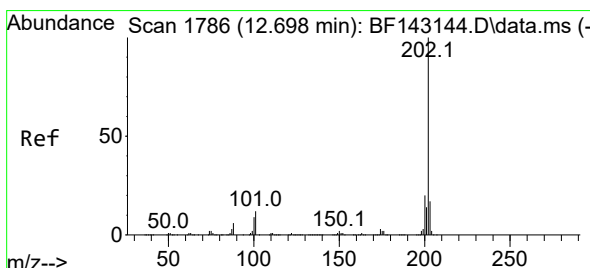
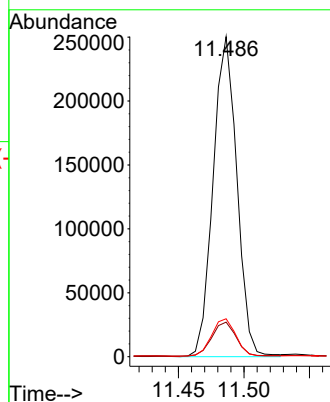
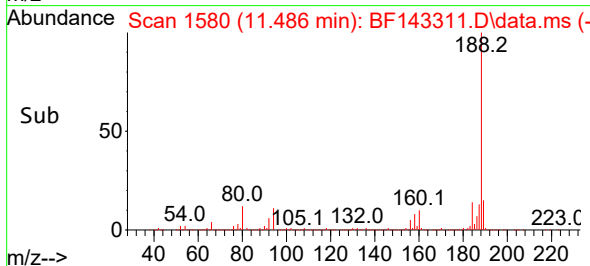
Instrument :
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ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



Tgt Ion:188 Resp: 315254
Ion Ratio Lower Upper
188 100
94 10.8 8.3 12.5
80 11.9 9.0 13.6

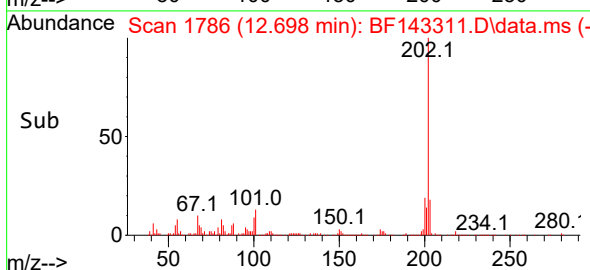
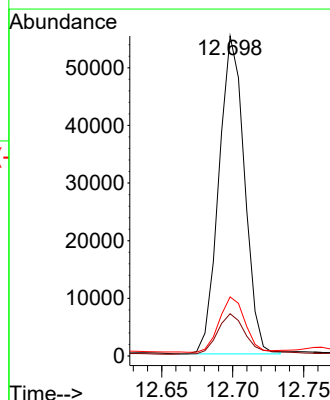
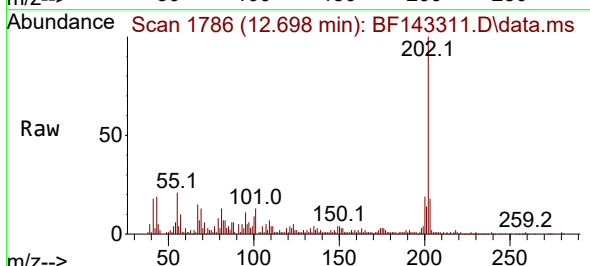
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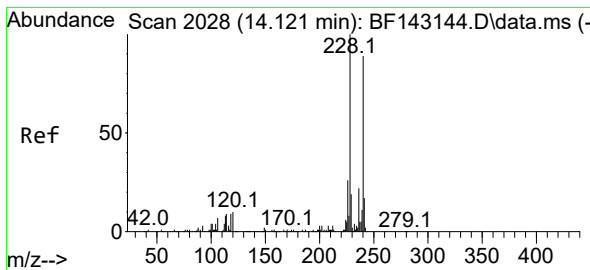
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#75
Fluoranthene
Concen: 4.500 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

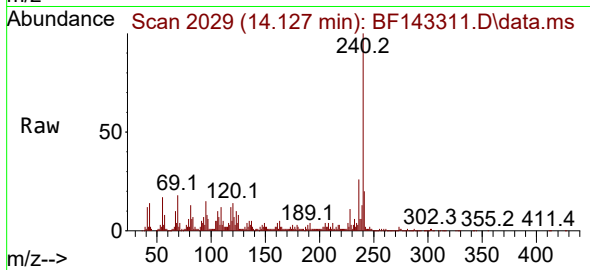
Tgt Ion:202 Resp: 69136
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.7
203 18.4 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

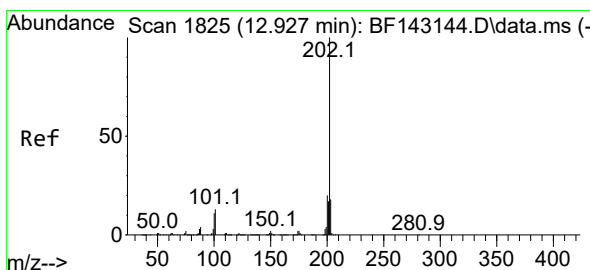
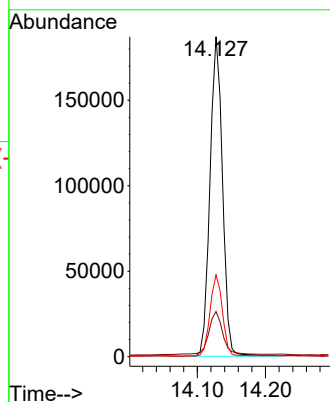
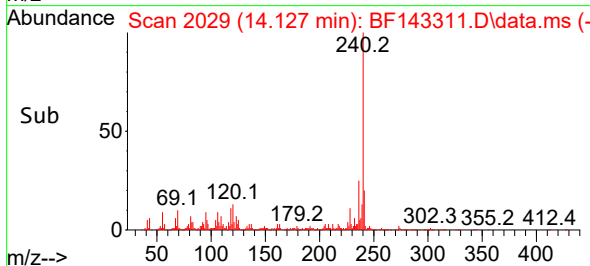
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ClientSampleId :
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Tgt Ion:240 Resp: 238738
Ion Ratio Lower Upper
240 100
120 14.1 9.4 14.2
236 25.5 20.2 30.4

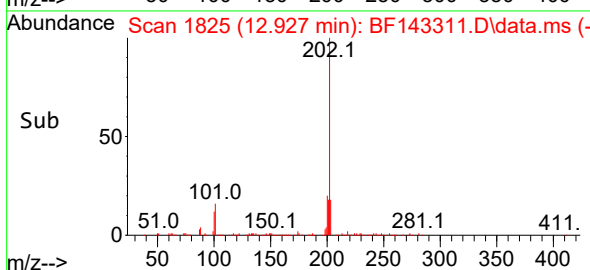
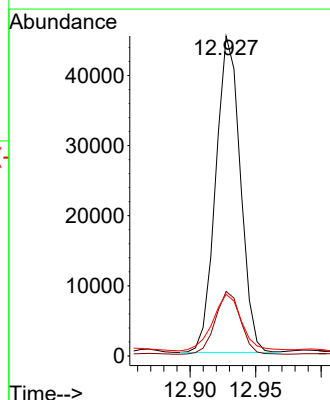
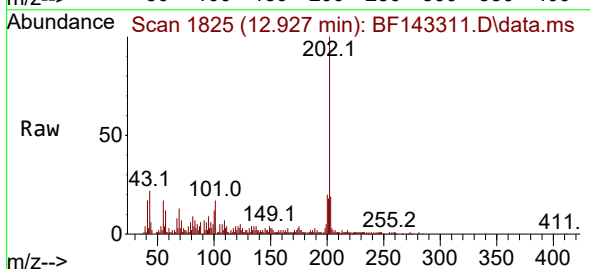
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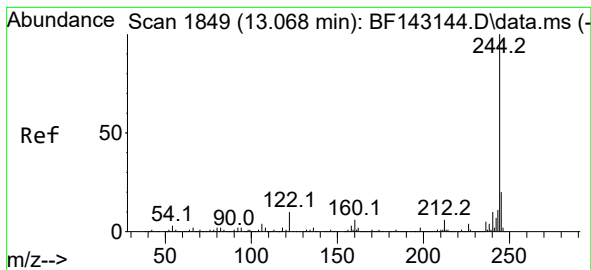
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#78
Pyrene
Concen: 2.889 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

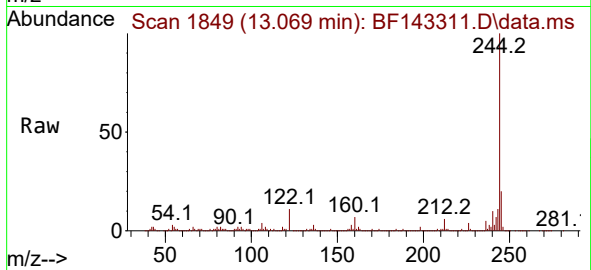
Tgt Ion:202 Resp: 58855
Ion Ratio Lower Upper
202 100
200 20.2 15.7 23.5
203 19.2 14.2 21.2





#79
 Terphenyl-d14
 Concen: 40.293 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143311.D
 Acq: 05 Aug 2025 13:01

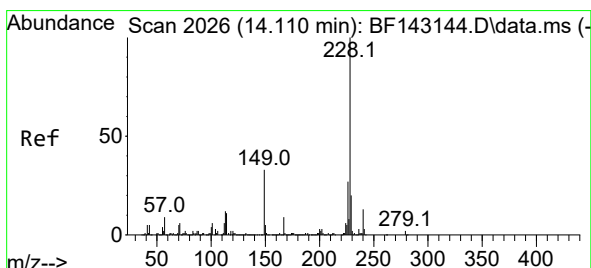
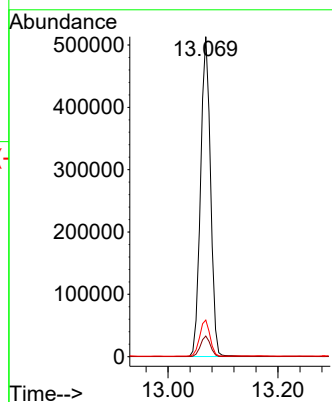
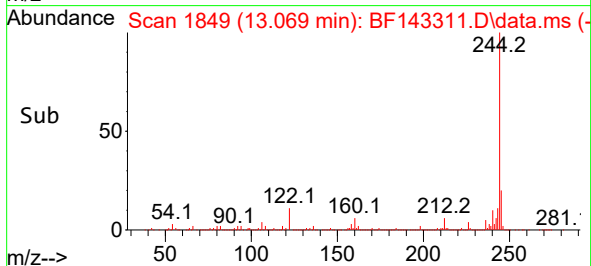
Instrument :
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 OU4-TS-GRILLO-TSCP01-073125



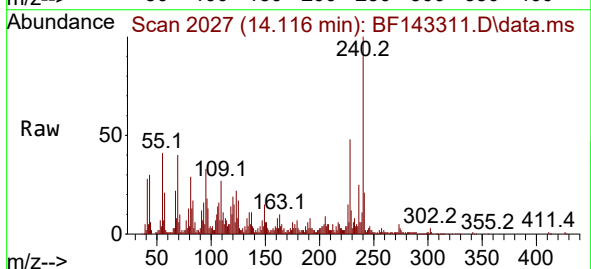
Tgt Ion:244 Resp: 64642
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.5 8.2 12.2

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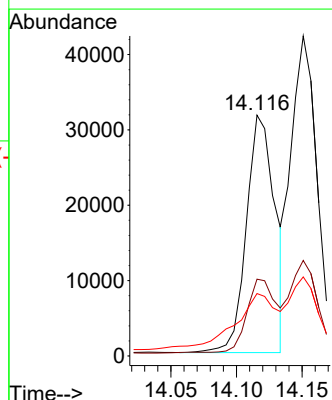
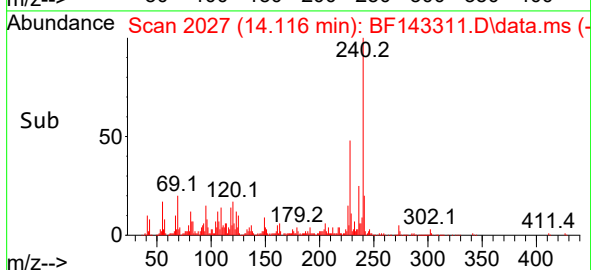
Reviewed By :Rahul Chavli 08/06/2025
 Supervised By :Jagrut Upadhyay 08/06/2025

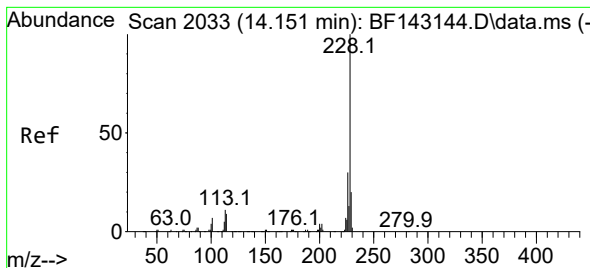


#81
 Benzo(a)anthracene
 Concen: 2.989 ng
 RT: 14.116 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: BF143311.D
 Acq: 05 Aug 2025 13:01



Tgt Ion:228 Resp: 47782
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.7 32.5
 229 25.9 15.8 23.6#





#83

Chrysene

Concen: 4.020 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

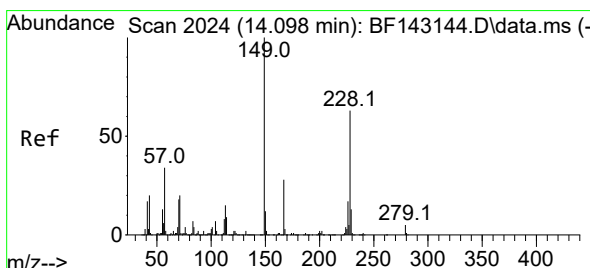
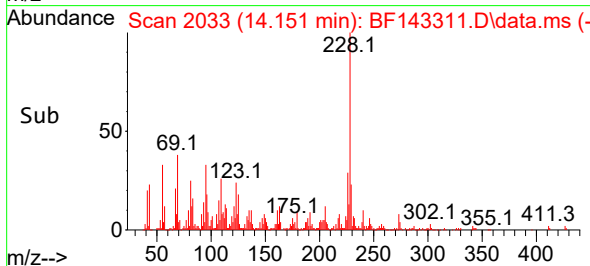
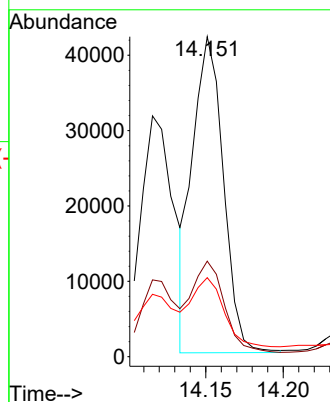
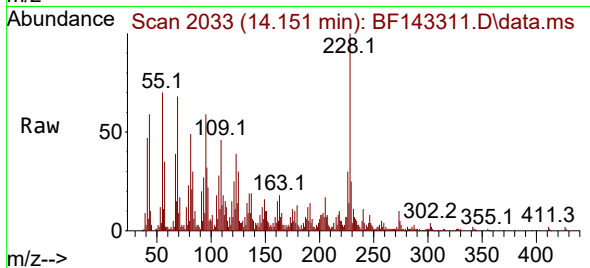
Tgt Ion:	228	Resp:	5777
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.8	35.8
229	24.7	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.791 ng

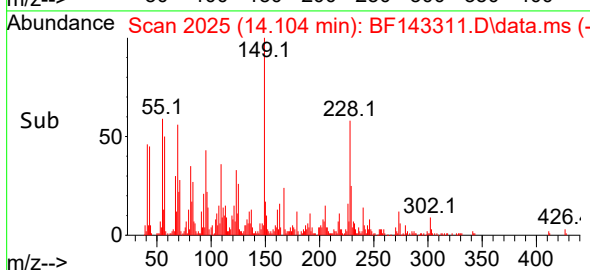
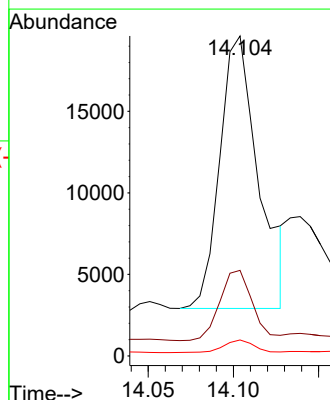
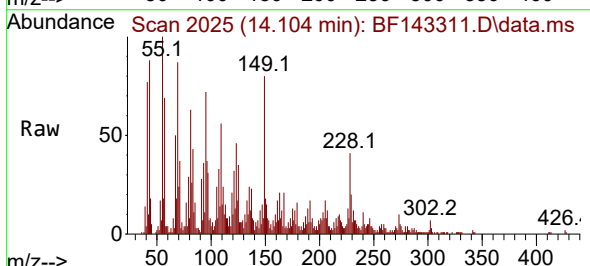
RT: 14.104 min Scan# 2025

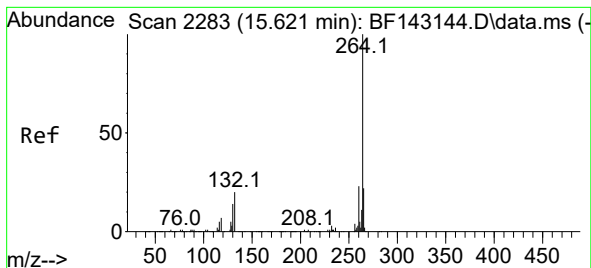
Delta R.T. 0.006 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

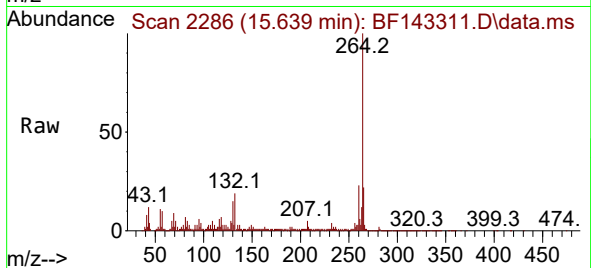
Tgt Ion:	149	Resp:	26361
Ion Ratio	Lower	Upper	
149	100		
167	26.7	22.3	33.5
279	5.0	3.6	5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2110
Delta R.T. 0.018 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

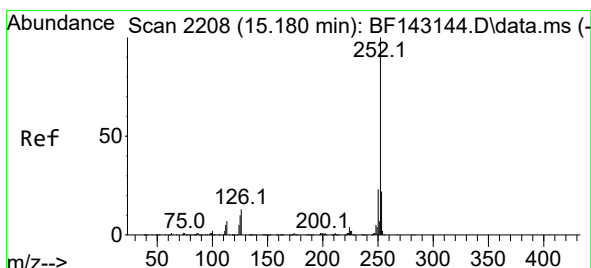
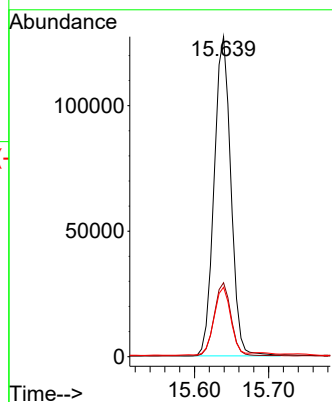
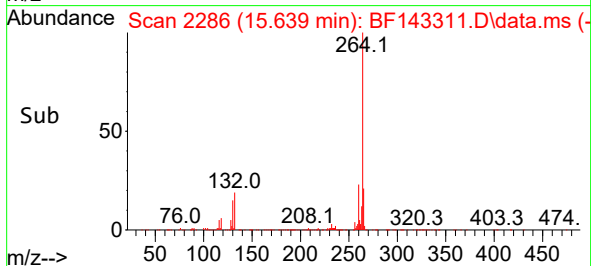
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



Tgt Ion:264 Resp: 200028
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.7 17.4 26.2

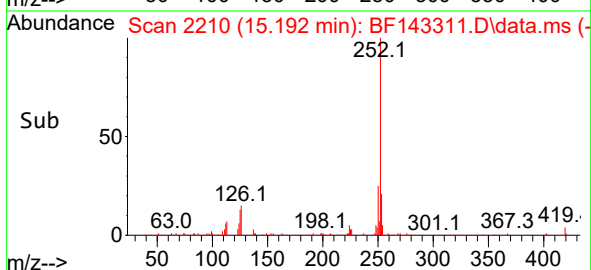
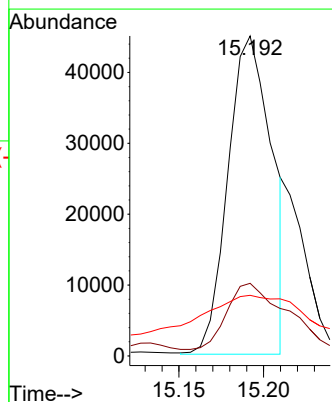
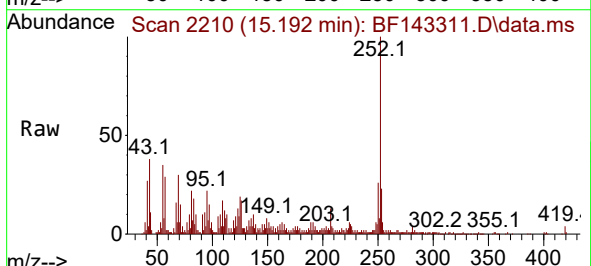
Manual Integrations
APPROVED

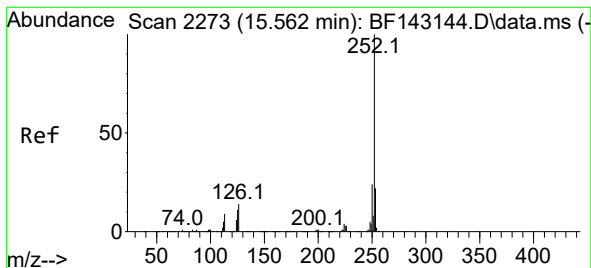
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#88
Benzo(b)fluoranthene
Concen: 6.636 ng m
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:252 Resp: 81090
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 18.9 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 3.231 ng

RT: 15.569 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

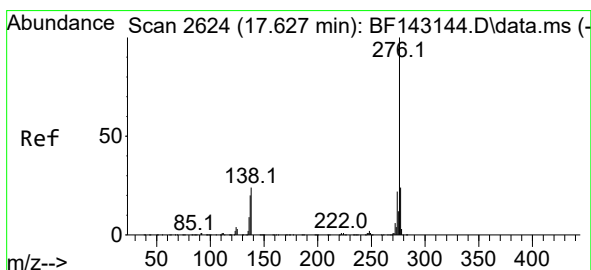
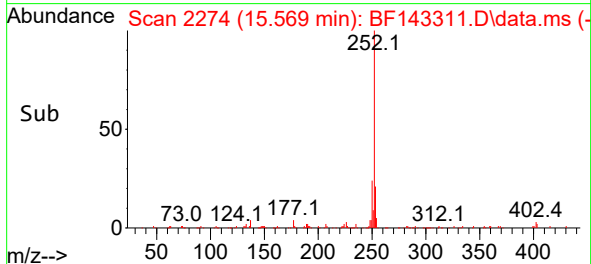
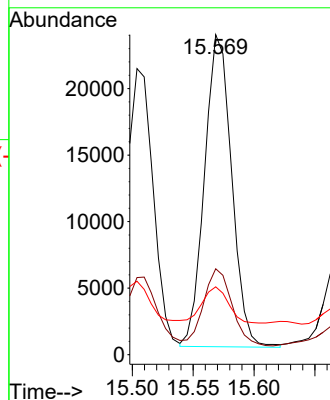
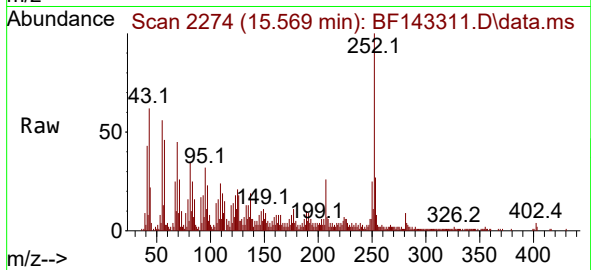
Tgt Ion:	252	Resp:	36380
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.3	25.9
125	21.2	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/06/2025

Supervised By :Jagrut Upadhyay 08/06/2025



#92

Benzo(g,h,i)perylene

Concen: 2.282 ng

RT: 17.651 min Scan# 2628

Delta R.T. 0.024 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

Tgt Ion:	276	Resp:	25346
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.1	28.7
138	31.4	18.9	28.3

