

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143308.D
 Acq On : 05 Aug 2025 11:34
 Operator : RC/JU
 Sample : Q2747-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 12:12:36 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	122190	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	464994	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	232438	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	332107	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244179	20.000	ng	0.00
86) Perylene-d12	15.633	264	241354	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	651808	84.415	ng	0.01
7) Phenol-d6	6.587	99	836401	86.059	ng	0.00
23) Nitrobenzene-d5	7.516	82	532727	57.108	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	189142	78.769	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	946808	55.708	ng	0.00
79) Terphenyl-d14	13.069	244	685634	41.785	ng	0.00
Target Compounds						
75) Fluoranthene	12.698	202	42459	2.623	ng	Qvalue 98
88) Benzo(b)fluoranthene	15.186	252	33069m	2.243	ng	

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

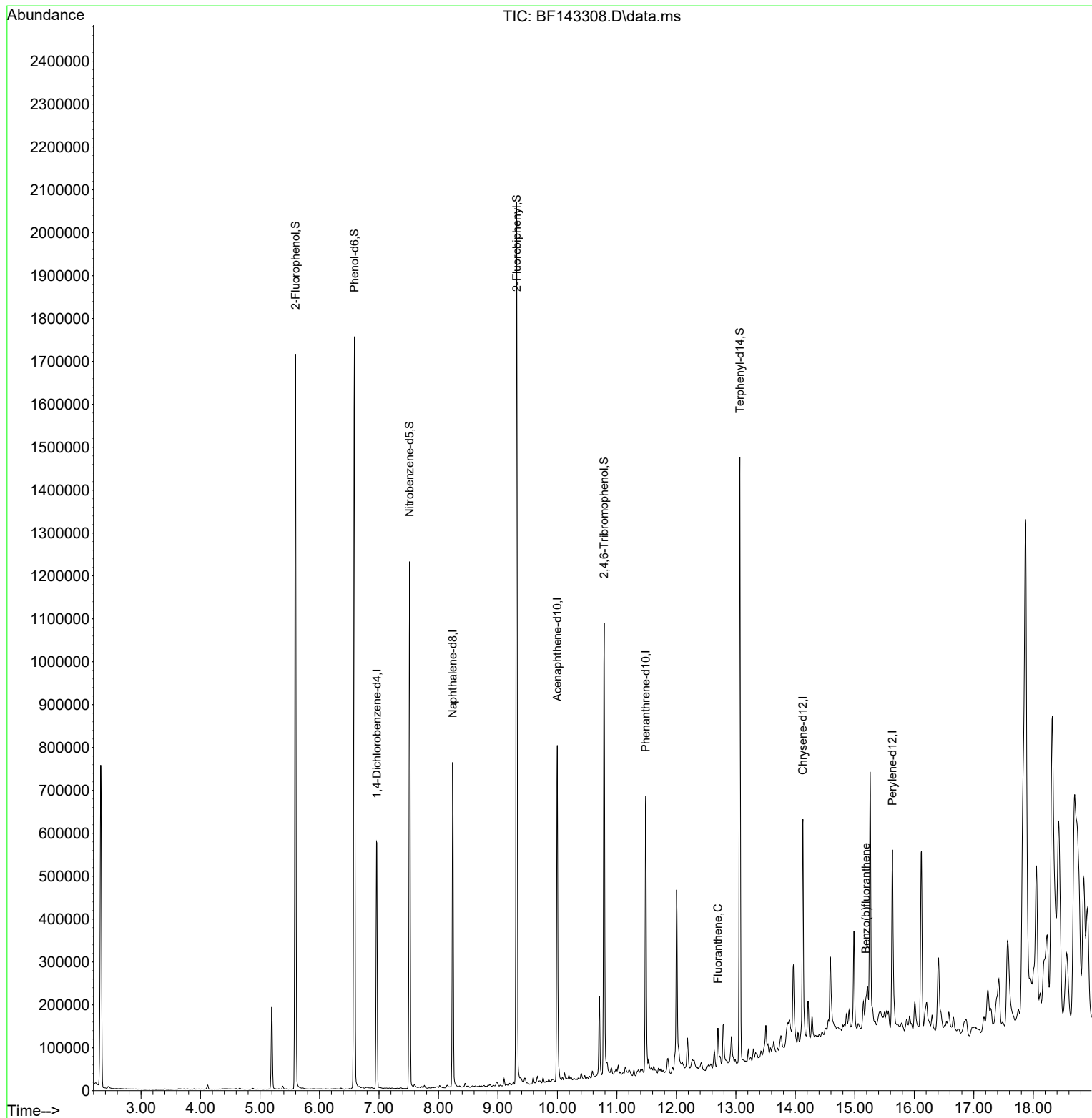
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
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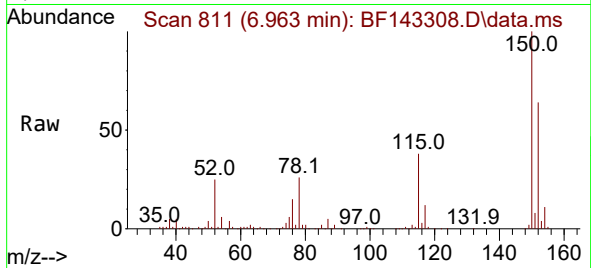
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

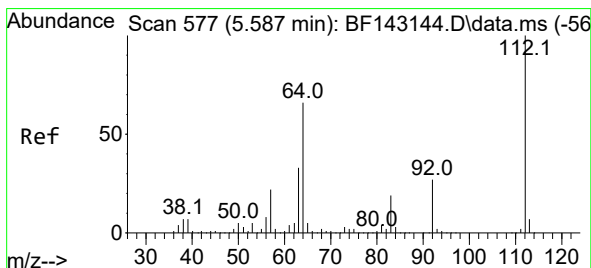
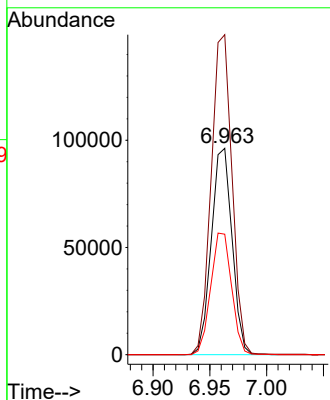
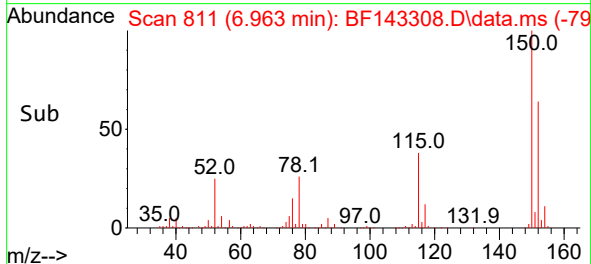
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



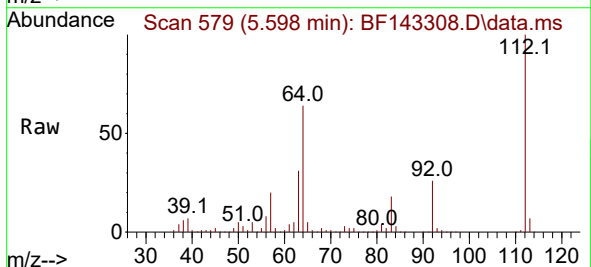
Tgt Ion:152 Resp: 122190
Ion Ratio Lower Upper
152 100
150 155.1 128.2 192.4
115 58.4 47.9 71.9

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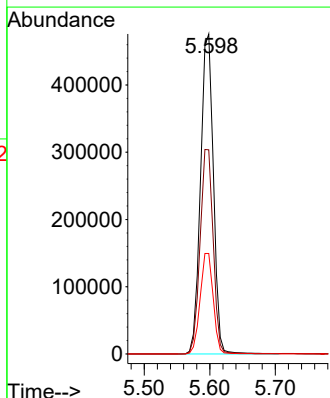
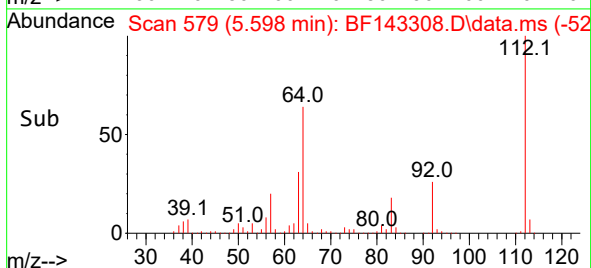
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

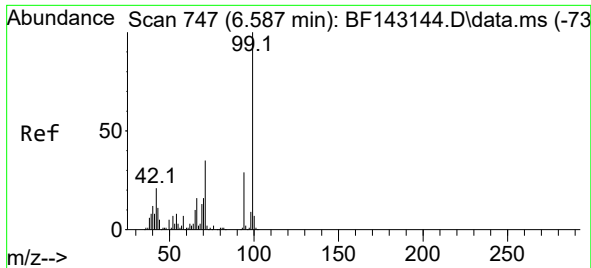


#5
2-Fluorophenol
Concen: 84.415 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34



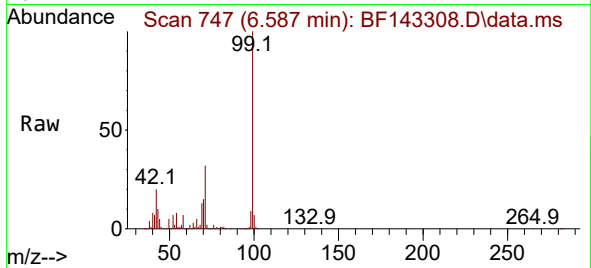
Tgt Ion:112 Resp: 651808
Ion Ratio Lower Upper
112 100
64 63.8 53.1 79.7
63 31.4 26.6 40.0





#7
Phenol-d6
Concen: 86.059 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

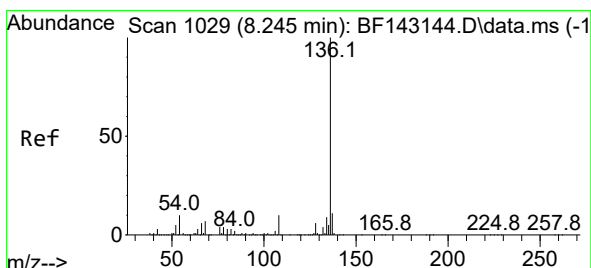
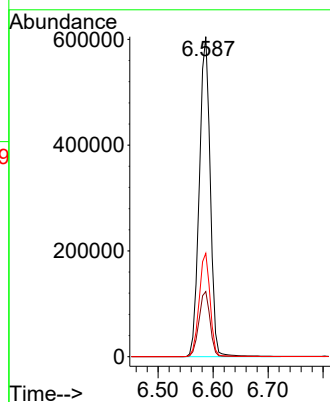
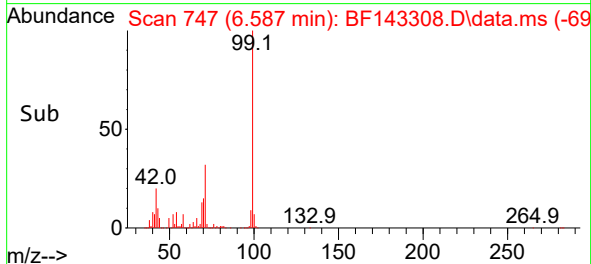
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



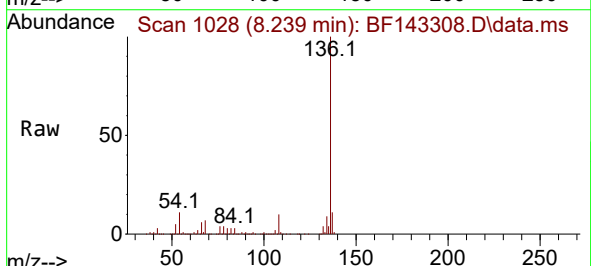
Tgt Ion: 99 Resp: 83640
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 32.3 27.7 41.5

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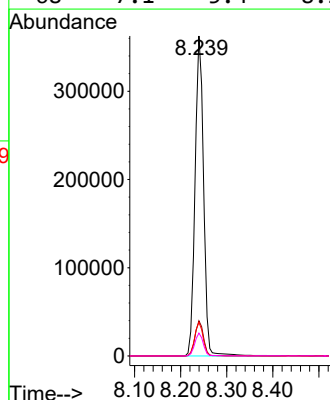
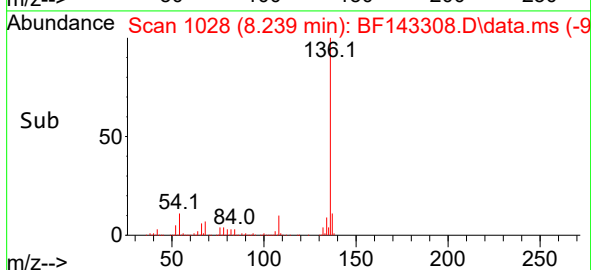
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34



Tgt Ion:136 Resp: 464994
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.5 8.2 12.2
68 7.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 57.108 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143308.D

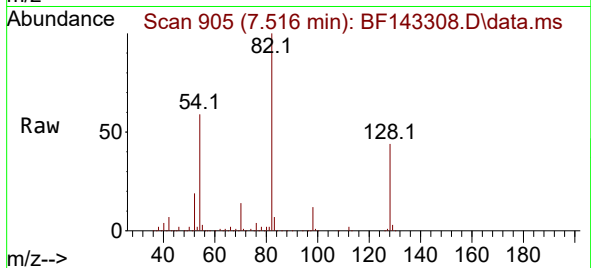
Acq: 05 Aug 2025 11:34

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG2-073125



Tgt Ion: 82 Resp: 53272

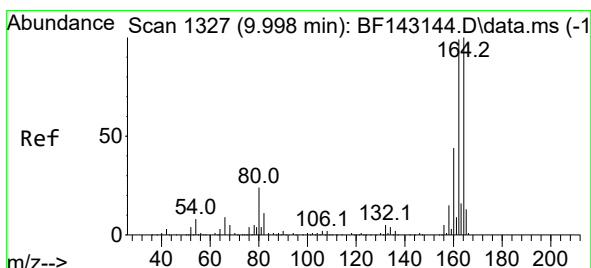
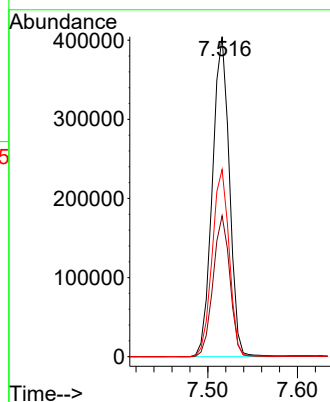
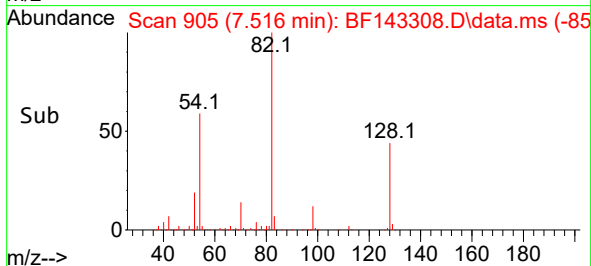
Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.6	50.4
54	58.5	47.1	70.7

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Supervised By :Jagrut Upadhyay 08/06/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

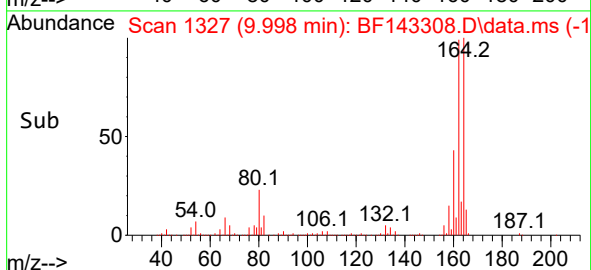
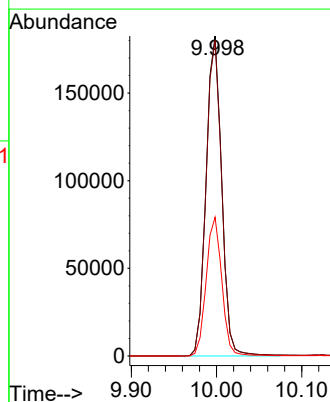
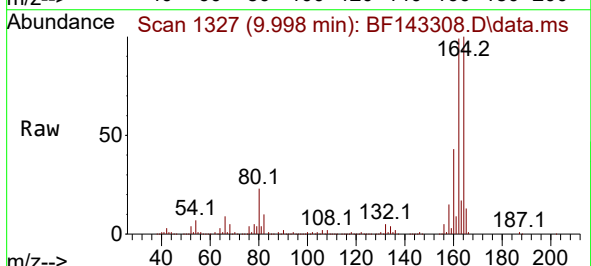
Delta R.T. 0.000 min

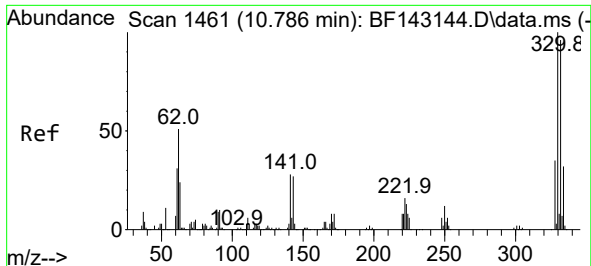
Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

Tgt Ion:164 Resp: 232438

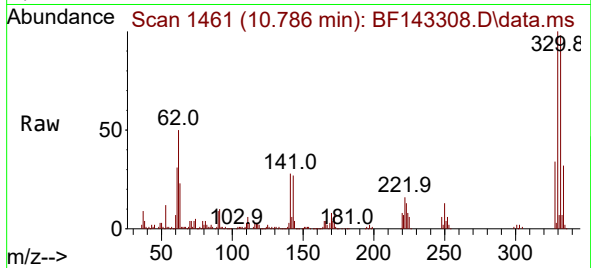
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.0	118.6
160	43.4	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 78.769 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

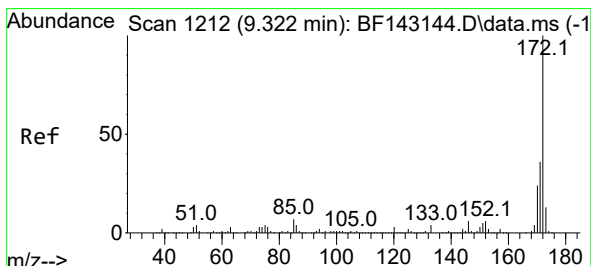
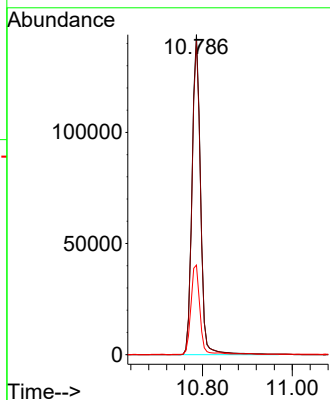
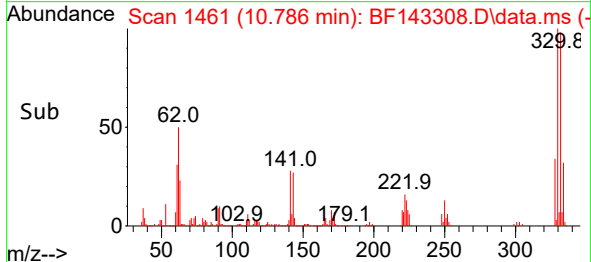
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



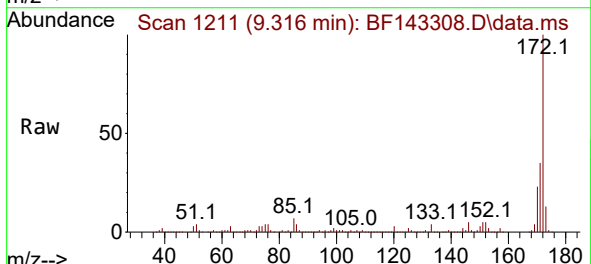
Tgt Ion:330 Resp: 18914
Ion Ratio Lower Upper
330 100
332 98.4 76.7 115.1
141 30.2 23.3 34.9

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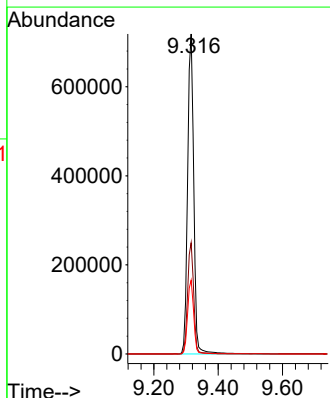
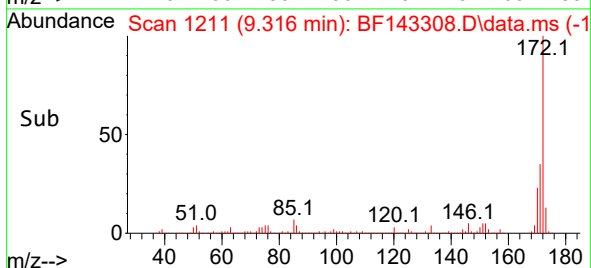
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

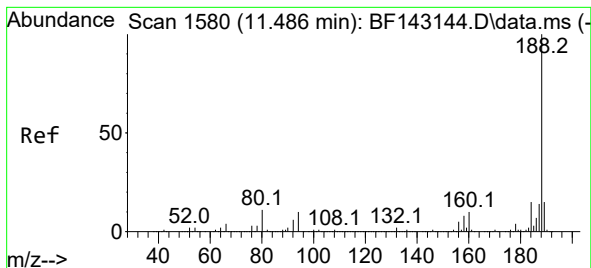


#45
2-Fluorobiphenyl
Concen: 55.708 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34



Tgt Ion:172 Resp: 946808
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 23.0 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143308.D

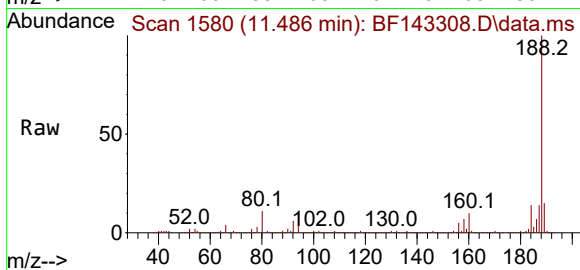
Acq: 05 Aug 2025 11:34

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG2-073125



Tgt Ion:188 Resp: 33210

Ion Ratio Lower Upper

188 100

94 10.5 8.3 12.5

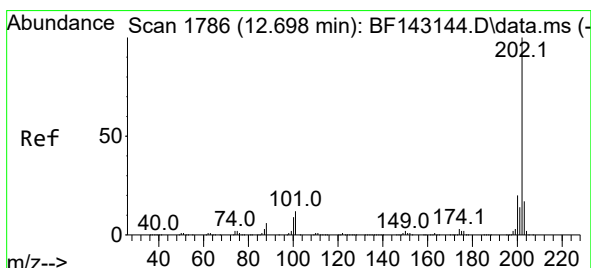
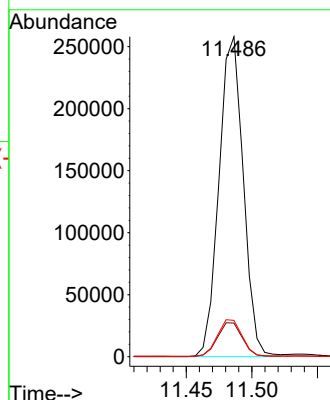
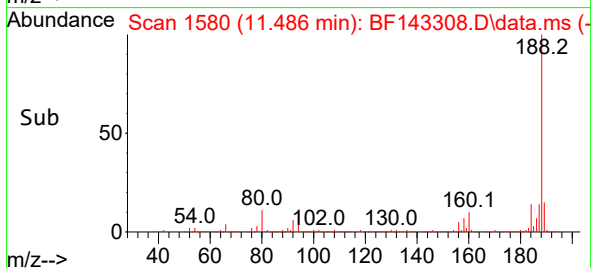
80 11.3 9.0 13.6

Manual Integrations

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#75

Fluoranthene

Concen: 2.623 ng

RT: 12.698 min Scan# 1786

Delta R.T. 0.000 min

Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

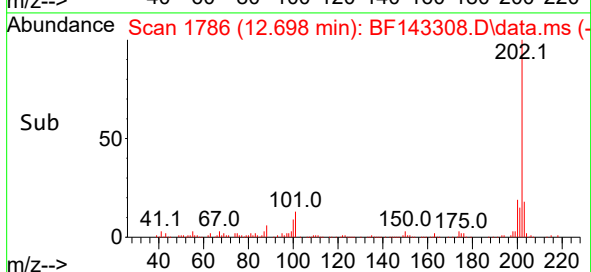
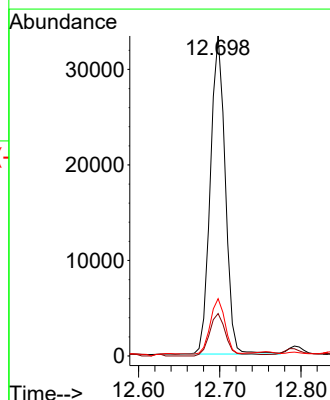
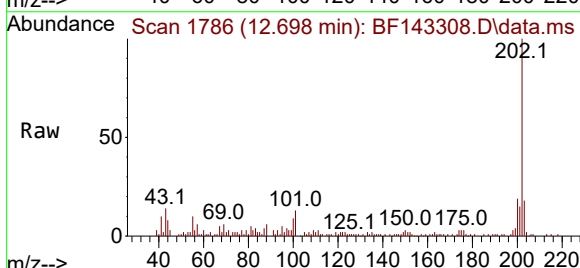
Tgt Ion:202 Resp: 42459

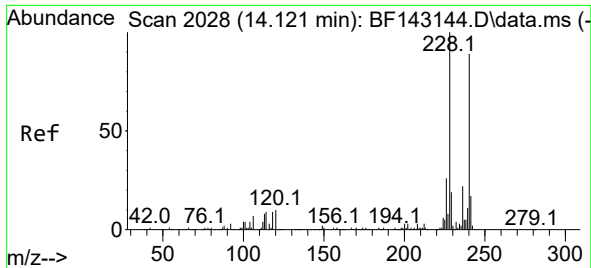
Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.7

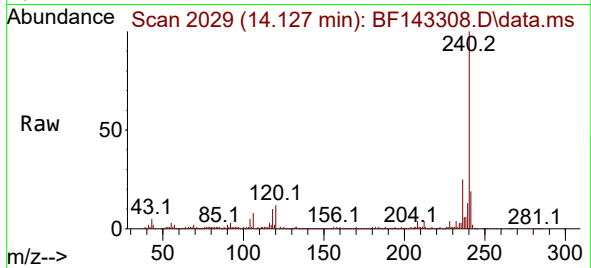
203 17.9 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

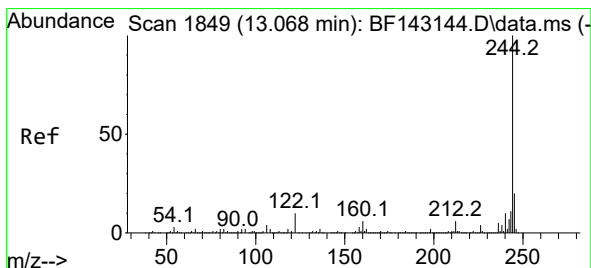
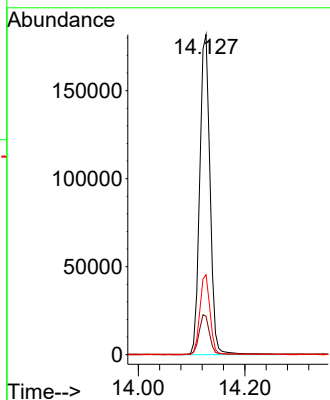
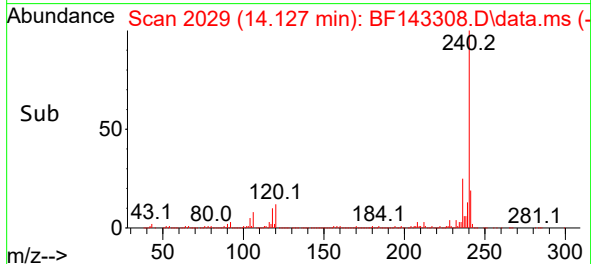
Instrument :
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ClientSampleId :
OU4-TS-GRILLO-OG2-073125



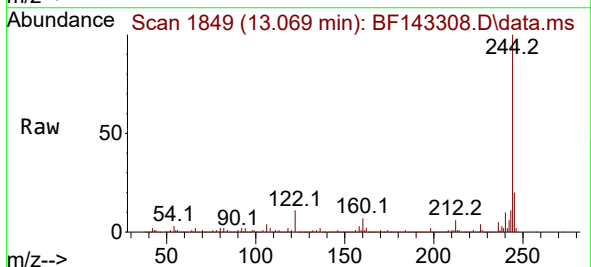
Tgt Ion:240 Resp: 244179
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.2
236 25.0 20.2 30.4

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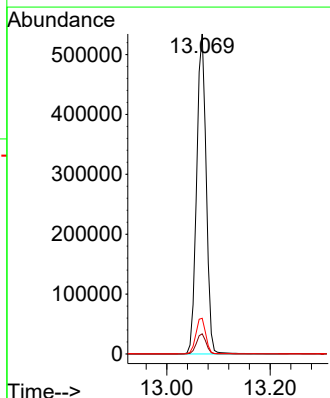
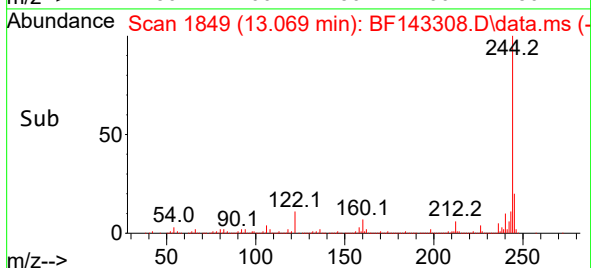
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

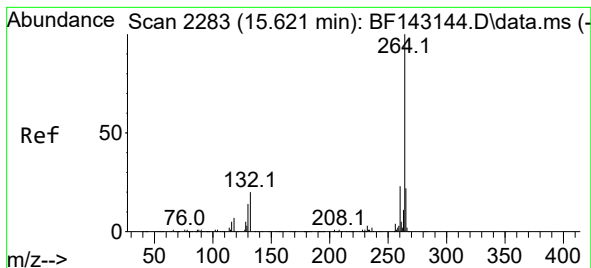


#79
Terphenyl-d14
Concen: 41.785 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34



Tgt Ion:244 Resp: 685634
Ion Ratio Lower Upper
244 100
212 6.3 5.2 7.8
122 11.2 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG2-073125

Tgt Ion:264 Resp: 241354

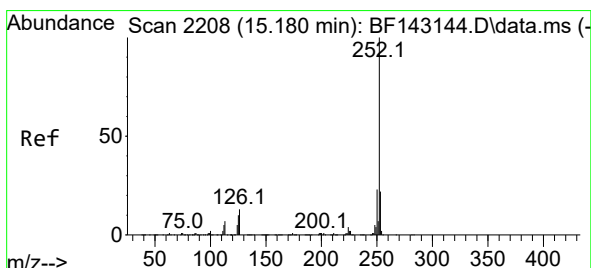
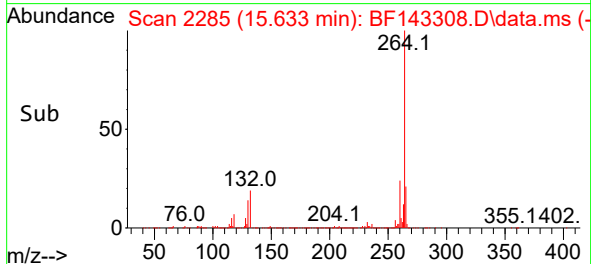
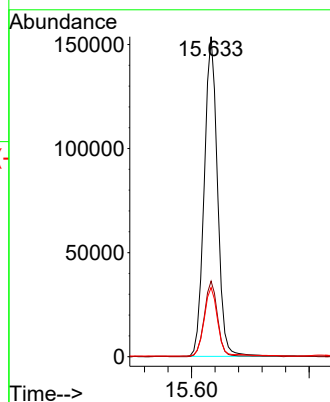
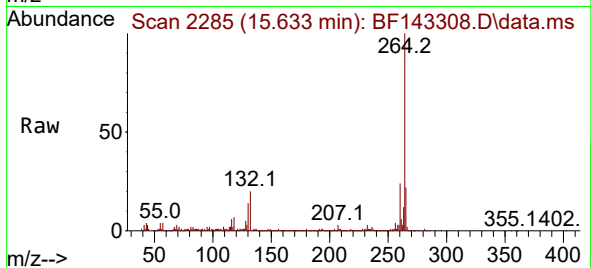
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	21.6	17.4	26.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/06/2025



#88

Benzo(b)fluoranthene

Concen: 2.243 ng m

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

Tgt Ion:252 Resp: 33069

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	18.0	8.0	12.0

