

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102025\
 Data File : BF144006.D
 Acq On : 20 Oct 2025 18:53
 Operator : RC/JU
 Sample : Q3388-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 461

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/21/2025
 Supervised By :Jagrut Upadhyay 10/21/2025

Quant Time: Oct 21 10:42:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	88227	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	309714	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	26359	20.000	ng	# 0.00
64) Phenanthrene-d10	11.463	188	36600m	20.000	ng	0.05
76) Chrysene-d12	14.133	240	101656	20.000	ng	# 0.07
86) Perylene-d12	15.556	264	55150	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	229250	41.262	ng	-0.02
7) Phenol-d6	6.498	99	281765	42.547	ng	-0.02
23) Nitrobenzene-d5	7.439	82	156044	30.610	ng	-0.02
42) 2,4,6-Tribromophenol	10.804	330	51057	194.473	ng	0.08
45) 2-Fluorobiphenyl	9.257	172	299445	180.258	ng	0.00
79) Terphenyl-d14	0.000	244	0d	0.000	ng	

Target Compounds Qvalue

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

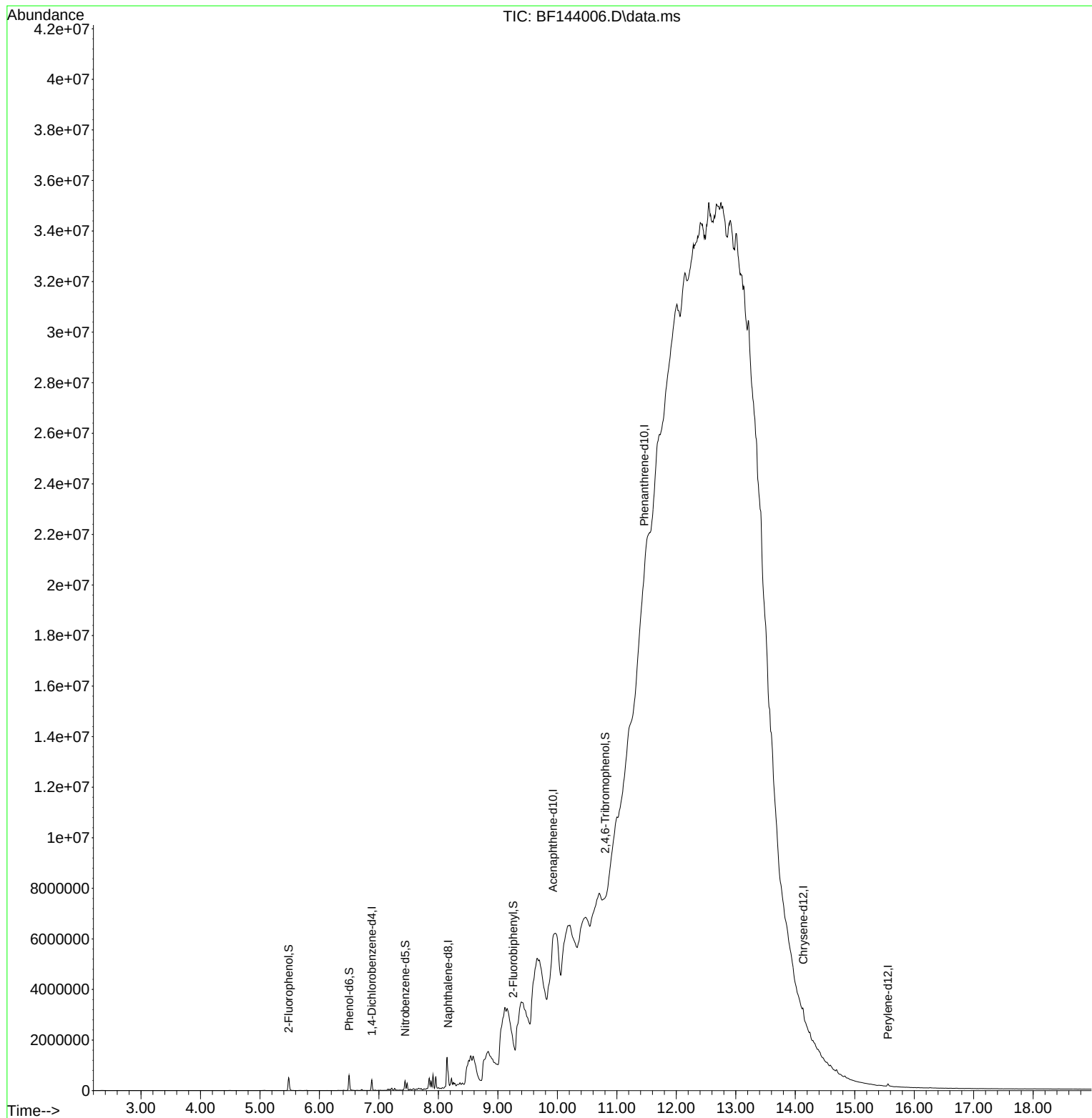
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102025\
Data File : BF144006.D
Acq On : 20 Oct 2025 18:53
Operator : RC/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

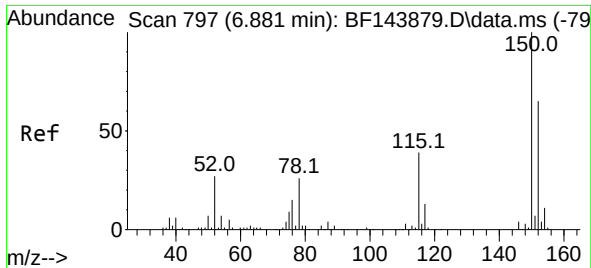
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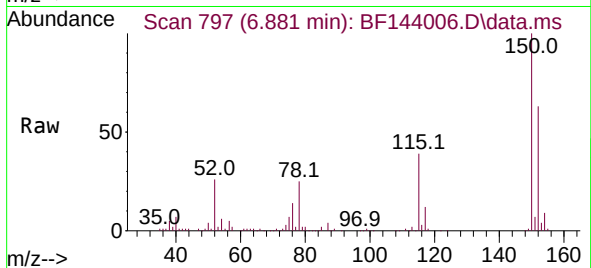
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF144006.D
Acq: 20 Oct 2025 18:53

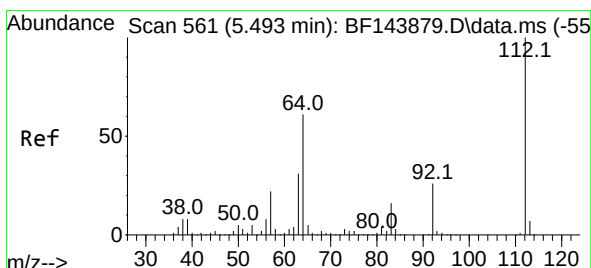
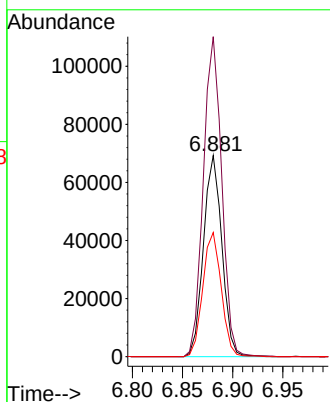
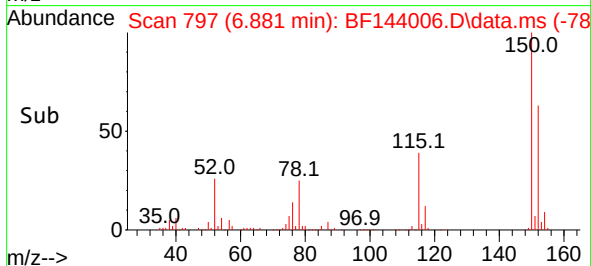
Instrument :
BNA_F
ClientSampleId :
461



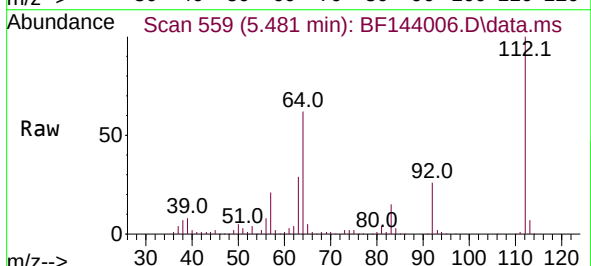
Tgt Ion:152 Resp: 88227
Ion Ratio Lower Upper
152 100
150 159.1 124.4 186.6
115 61.7 48.1 72.1

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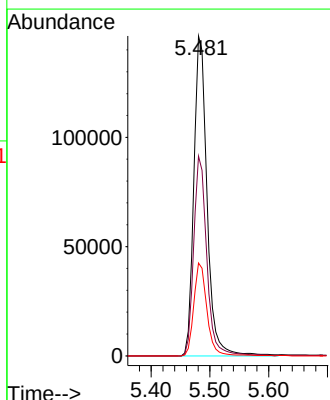
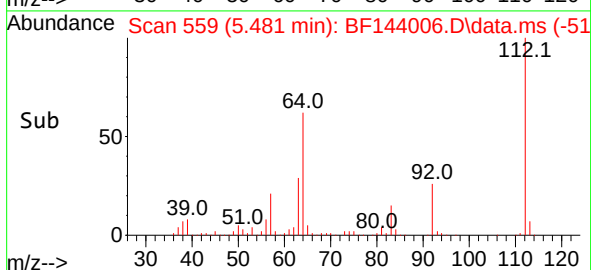
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Supervised By :Jagrut Upadhyay 10/21/2025

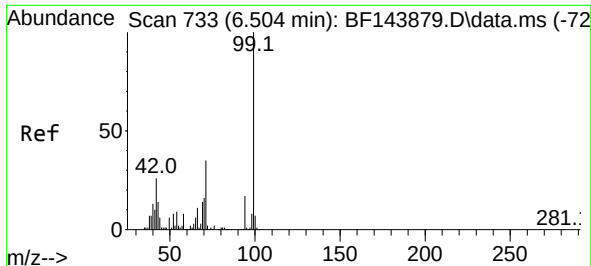


#5
2-Fluorophenol
Concen: 41.262 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.018 min
Lab File: BF144006.D
Acq: 20 Oct 2025 18:53



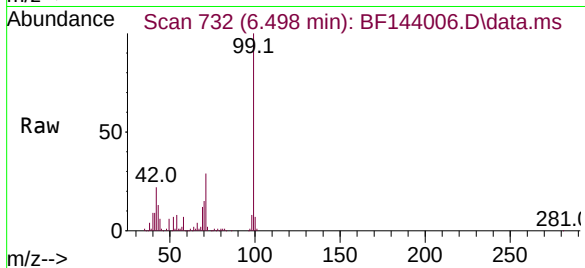
Tgt Ion:112 Resp: 229250
Ion Ratio Lower Upper
112 100
64 62.4 49.1 73.7
63 29.0 24.5 36.7





#7
Phenol-d6
Concen: 42.547 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.018 min
Lab File: BF144006.D
Acq: 20 Oct 2025 18:53

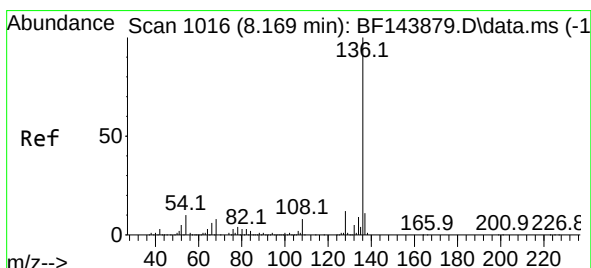
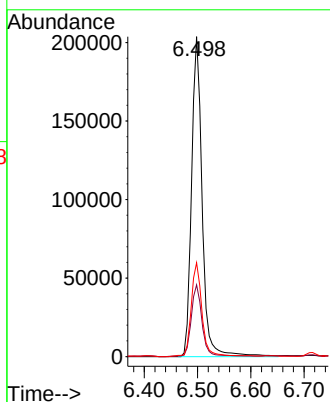
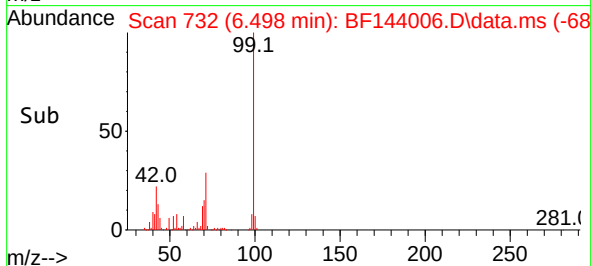
Instrument :
BNA_F
ClientSampleId :
461



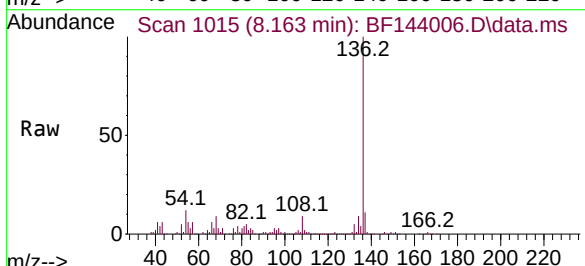
Tgt Ion: 99 Resp: 281765
Ion Ratio Lower Upper
99 100
42 22.4 21.0 31.4
71 29.3 27.8 41.8

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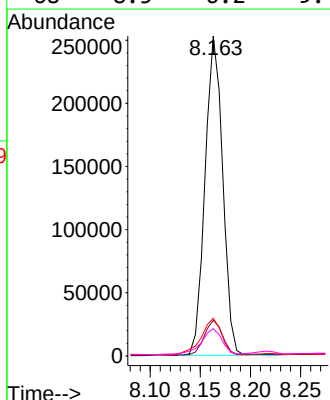
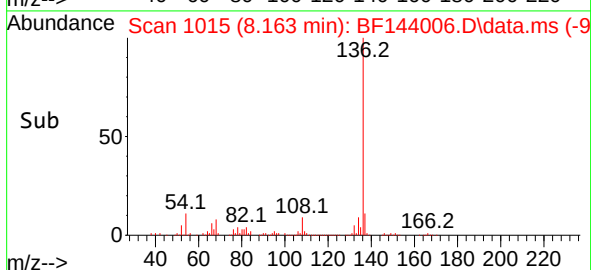
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

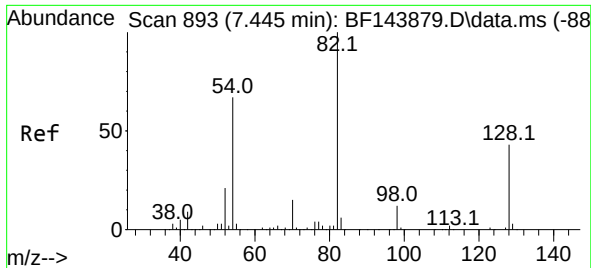


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144006.D
Acq: 20 Oct 2025 18:53



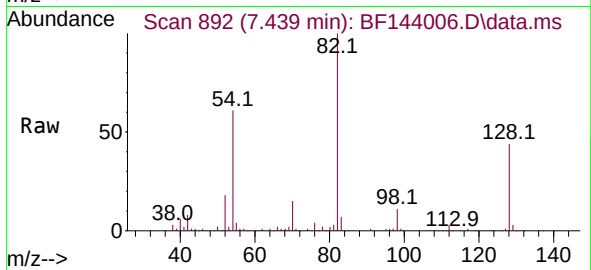
Tgt Ion:136 Resp: 309714
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 11.7 8.2 12.4
68 8.5 6.2 9.4





#23
Nitrobenzene-d5
Concen: 30.610 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF144006.D
Acq: 20 Oct 2025 18:53

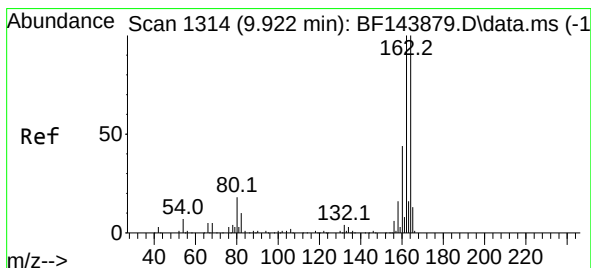
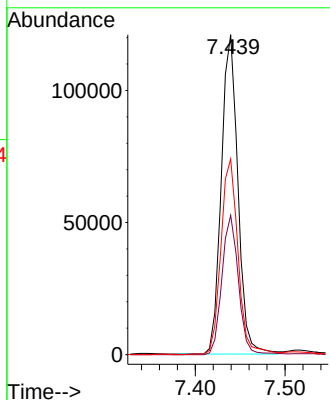
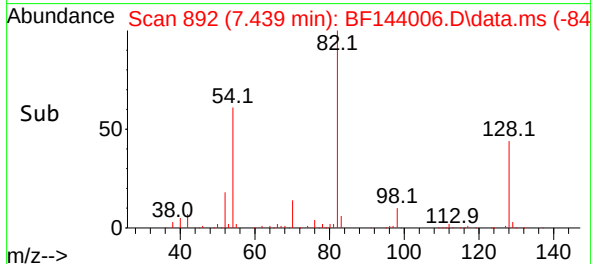
Instrument :
BNA_F
ClientSampleId :
461



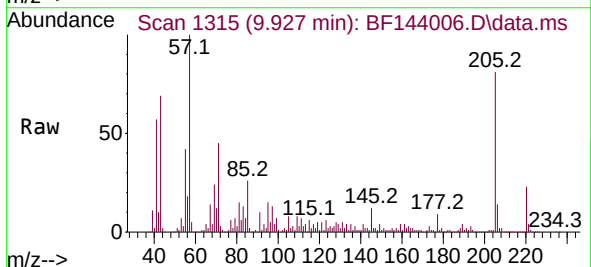
Tgt Ion: 82 Resp: 156044
Ion Ratio Lower Upper
82 100
128 43.5 34.0 51.0
54 61.1 53.2 79.8

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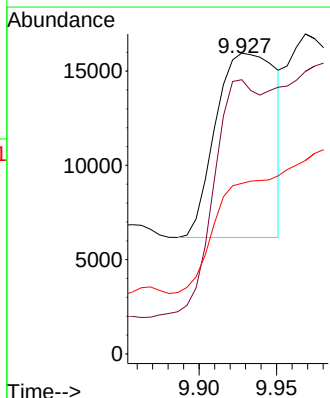
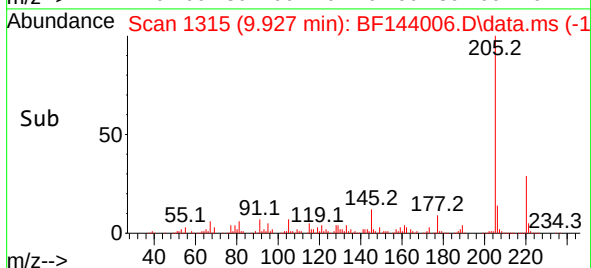
Reviewed By :Rahul Chavli 10/21/2025
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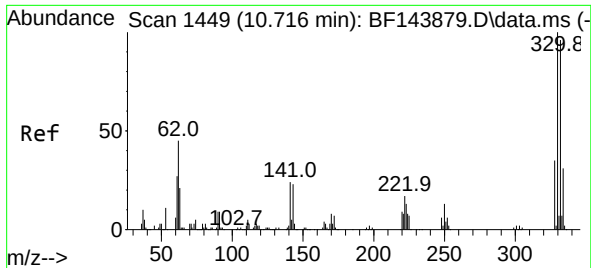


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BF144006.D
Acq: 20 Oct 2025 18:53



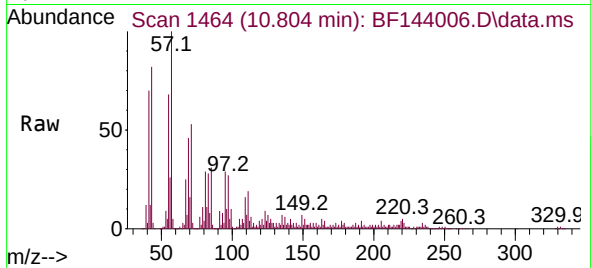
Tgt Ion:164 Resp: 26359
Ion Ratio Lower Upper
164 100
162 91.2 80.2 120.2
160 56.7 35.4 53.0#





#42
2,4,6-Tribromophenol
Concen: 194.473 ng
RT: 10.804 min Scan# 1449
Delta R.T. 0.082 min
Lab File: BF144006.D
Acq: 20 Oct 2025 18:53

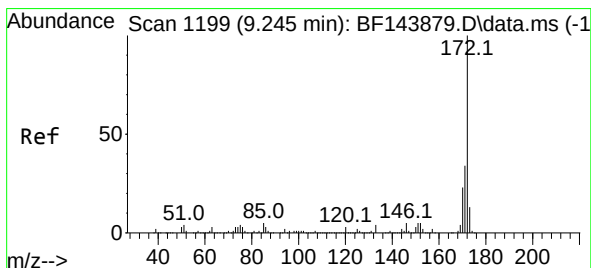
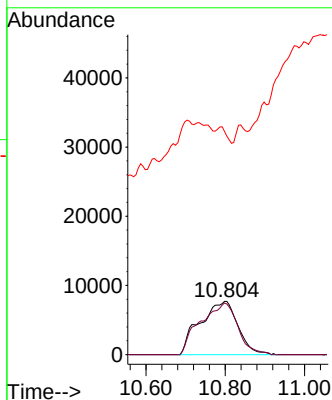
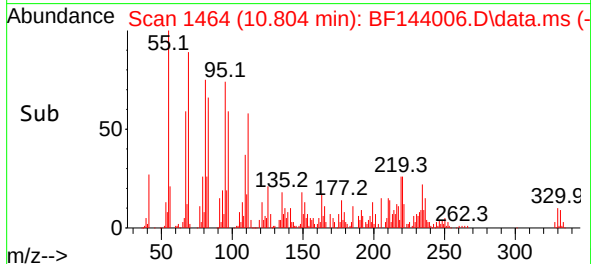
Instrument :
BNA_F
ClientSampleId :
461



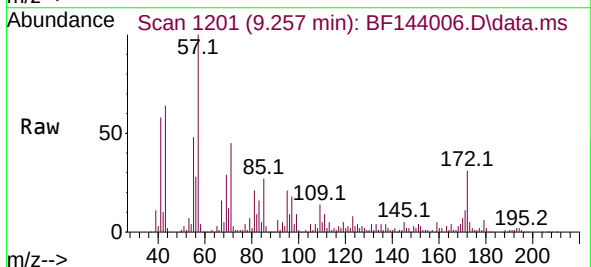
Tgt Ion: 330 Resp: 51052
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 0.0 20.2 30.4

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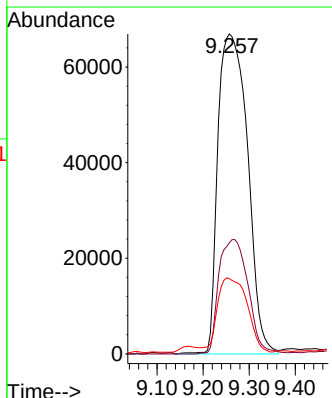
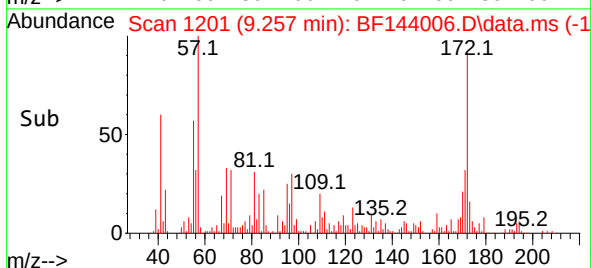
Reviewed By :Rahul Chavli 10/21/2025
Supervised By :Jagrut Upadhyay 10/21/2025

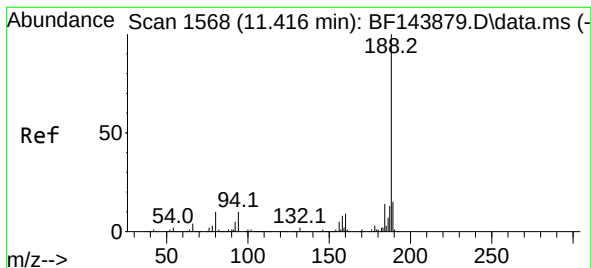


#45
2-Fluorobiphenyl
Concen: 180.258 ng
RT: 9.257 min Scan# 1201
Delta R.T. 0.006 min
Lab File: BF144006.D
Acq: 20 Oct 2025 18:53



Tgt Ion: 172 Resp: 299445
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.0
170 23.5 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng m

RT: 11.463 min Scan# 11461

Delta R.T. 0.047 min

Lab File: BF144006.D

Acq: 20 Oct 2025 18:53

Instrument :

BNA_F

ClientSampleId :

461

Tgt Ion:188 Resp: 36600

Ion Ratio Lower Upper

188 100

94 373.0 7.8 11.6

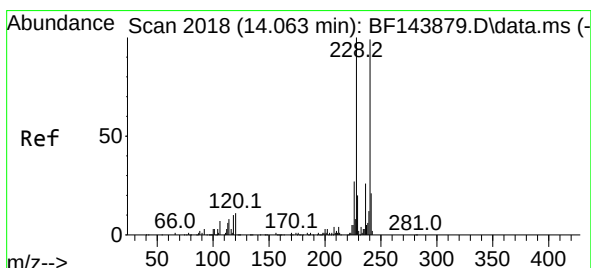
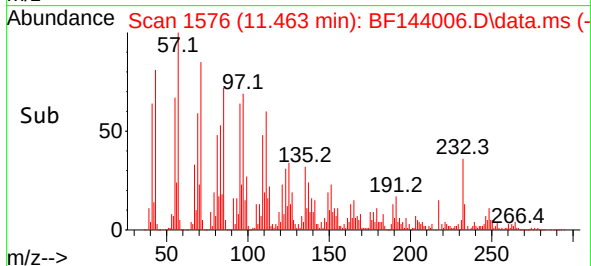
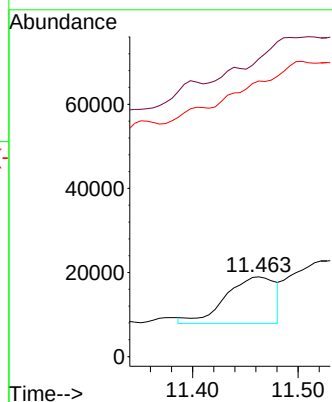
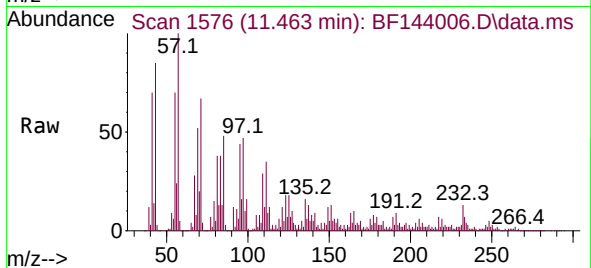
80 345.3 7.9 11.9

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.133 min Scan# 2030

Delta R.T. 0.065 min

Lab File: BF144006.D

Acq: 20 Oct 2025 18:53

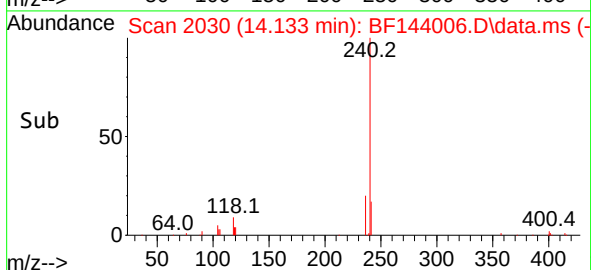
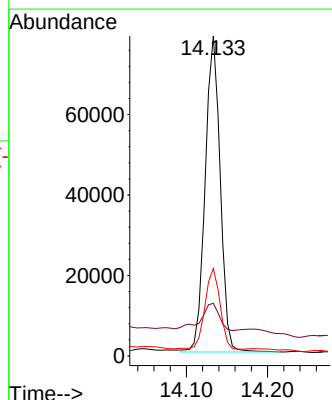
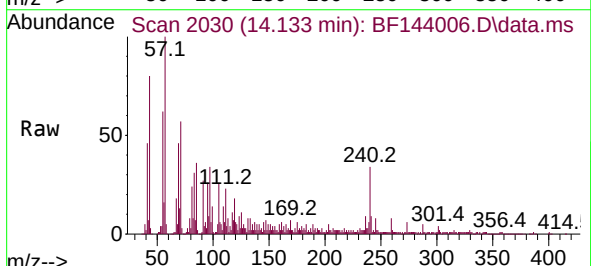
Tgt Ion:240 Resp: 101656

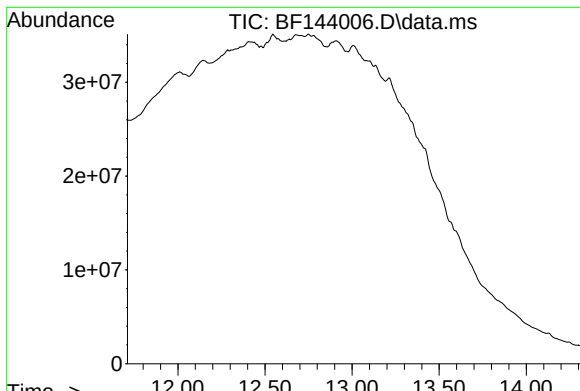
Ion Ratio Lower Upper

240 100

120 16.4 8.6 13.0

236 27.3 21.1 31.7





#79
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 13.01 min
 Lab File: BF144006.D
 Acq: 20 Oct 2025 18:53

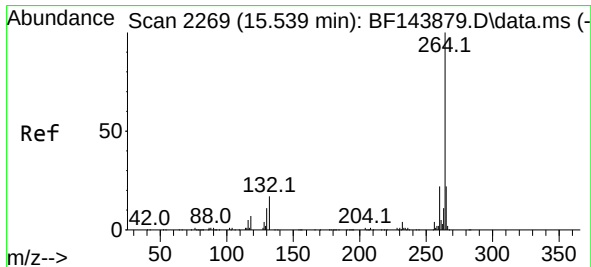
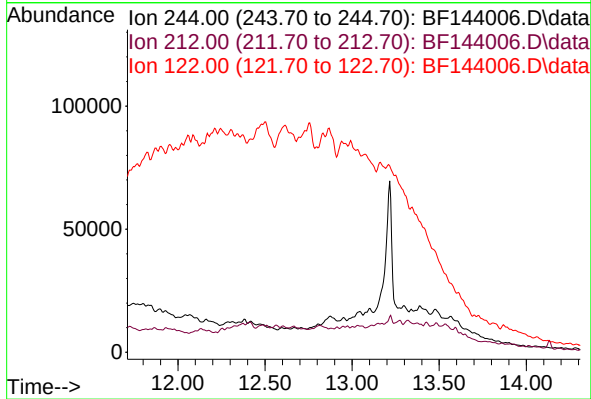
Instrument :
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Tgt Ion: 244

Sig	Exp	Ratio
244	100	
212	6.7	
122	8.0	

Manual Integrations
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 Supervised By :Jagrut Upadhyay 10/21/2025



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.556 min Scan# 2272
 Delta R.T. 0.012 min
 Lab File: BF144006.D
 Acq: 20 Oct 2025 18:53

Tgt Ion:264 Resp: 55150

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	22.5	17.5	26.3

