

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
 Data File : BF144072.D
 Acq On : 24 Oct 2025 20:44
 Operator : RC/JU
 Sample : Q3445-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-102325

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 27 10:56:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	34286	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	108980	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	58745	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	113456	20.000	ng	0.00
76) Chrysene-d12	14.057	240	113683	20.000	ng	0.00
86) Perylene-d12	15.545	264	129775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	44660	20.608	ng	0.00
7) Phenol-d6	6.498	99	50621	21.151	ng	0.00
23) Nitrobenzene-d5	7.440	82	28595	14.375	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	17917	23.944	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	68005	16.290	ng	0.00
79) Terphenyl-d14	12.998	244	91546	14.078	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	25566	4.536	ng	99
75) Fluoranthene	12.627	202	45317	7.278	ng	93
78) Pyrene	12.857	202	46521	5.692	ng	97
81) Benzo(a)anthracene	14.045	228	26179	3.408	ng	# 85
83) Chrysene	14.080	228	24064	3.338	ng	# 89
88) Benzo(b)fluoranthene	15.110	252	27165m	3.703	ng	
90) Benzo(a)pyrene	15.480	252	23332	3.545	ng	# 80

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

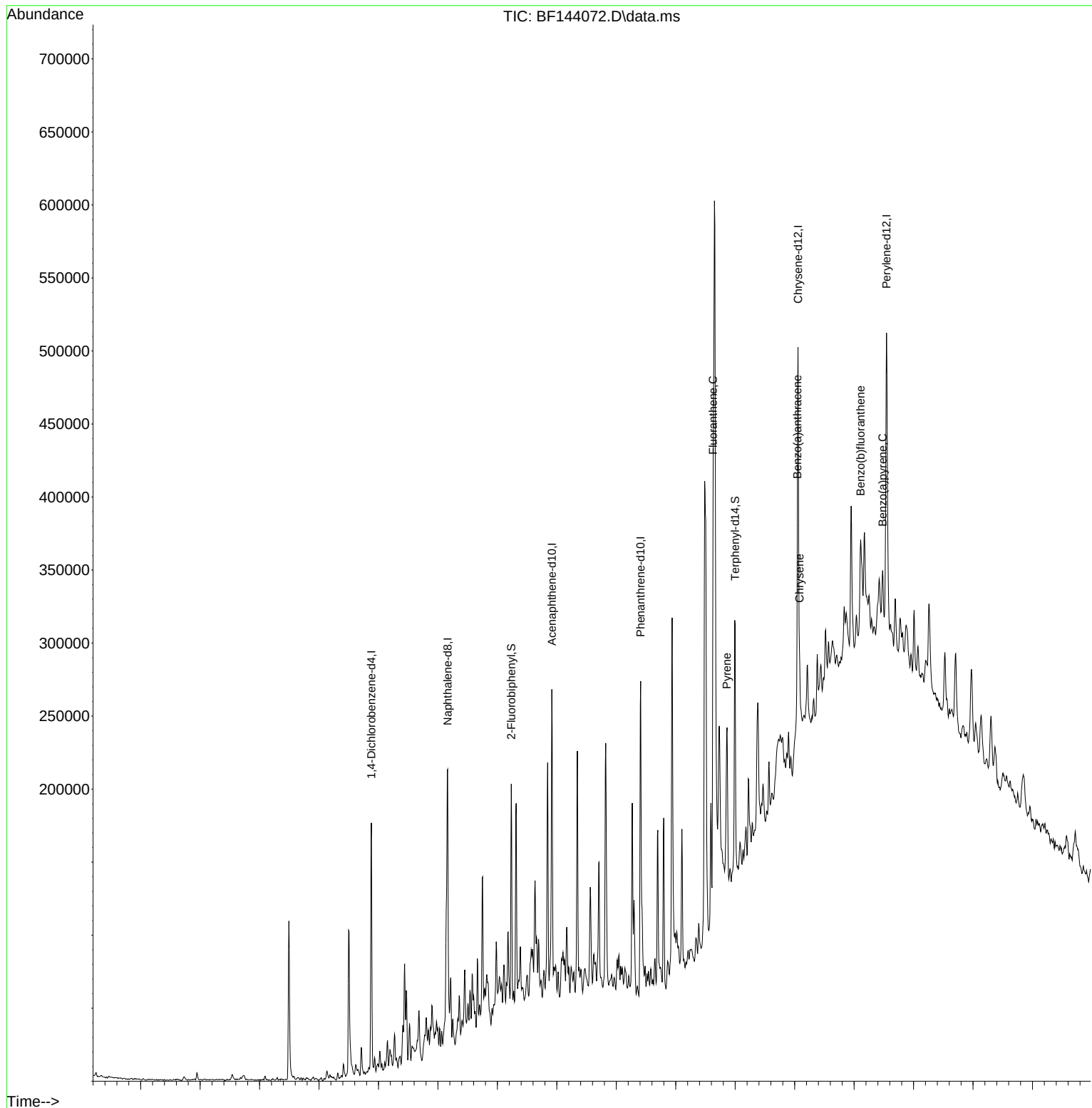
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102425\
Data File : BF144072.D
Acq On : 24 Oct 2025 20:44
Operator : RC/JU
Sample : Q3445-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

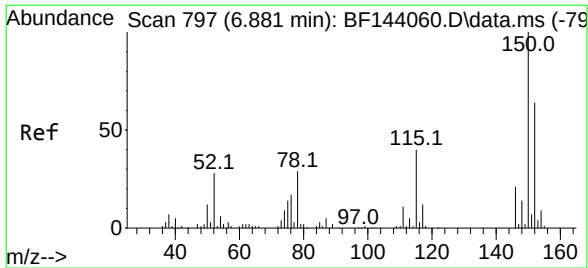
Instrument :
BNA_F
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EO-01-102325

Quant Time: Oct 27 10:56:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
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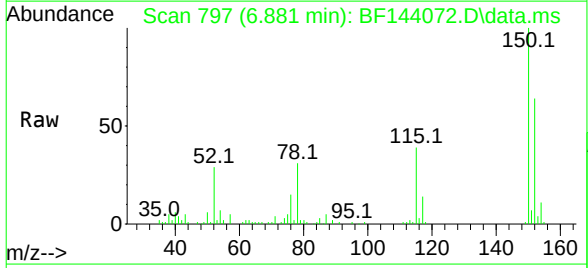
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

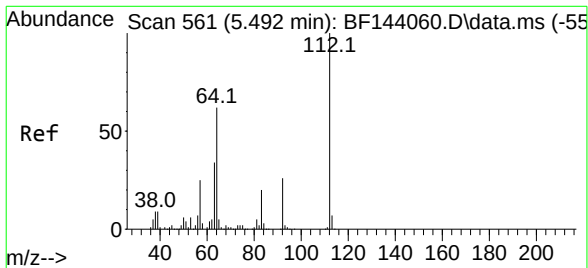
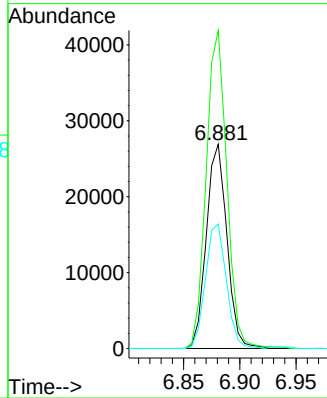
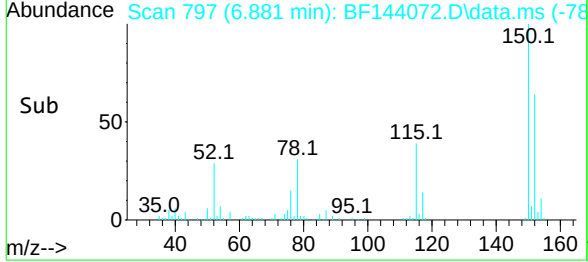
Instrument :
BNA_F
ClientSampleId :
EO-01-102325



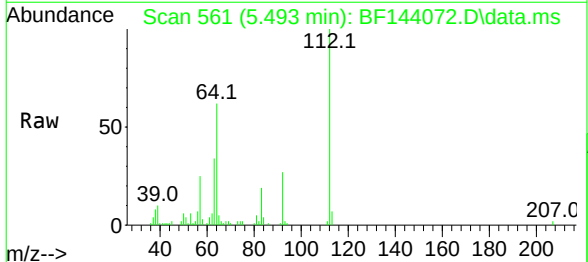
Tgt Ion:152 Resp: 34286
Ion Ratio Lower Upper
152 100
150 155.7 124.4 186.6
115 61.0 49.4 74.0

Manual Integrations
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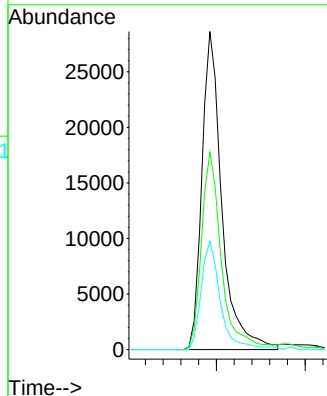
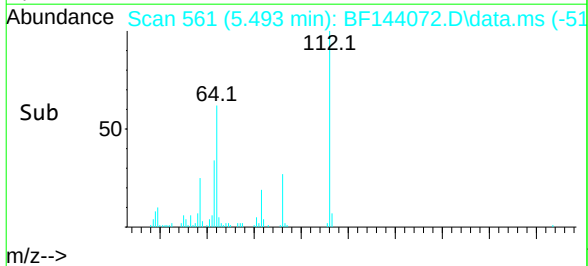
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

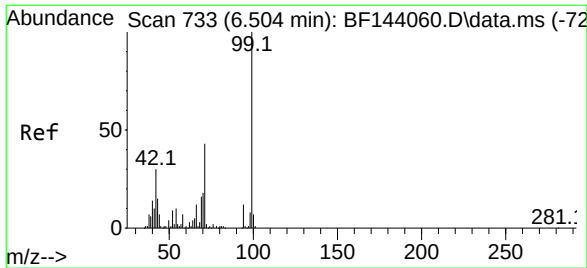


#5
2-Fluorophenol
Concen: 20.608 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44



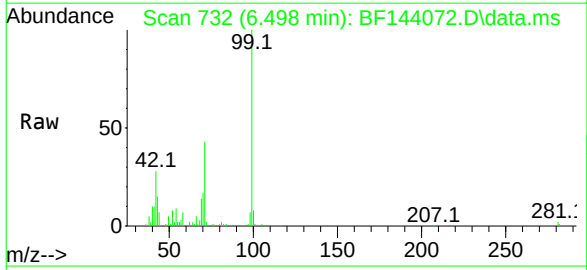
Tgt Ion:112 Resp: 44660
Ion Ratio Lower Upper
112 100
64 62.0 49.8 74.8
63 34.1 27.4 41.2





#7
Phenol-d6
Concen: 21.151 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

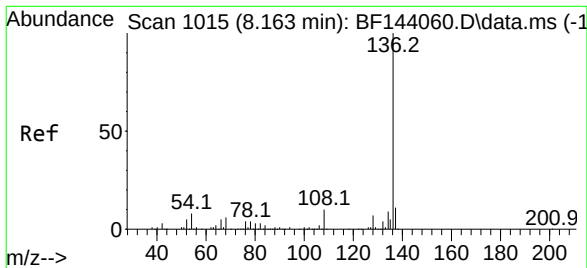
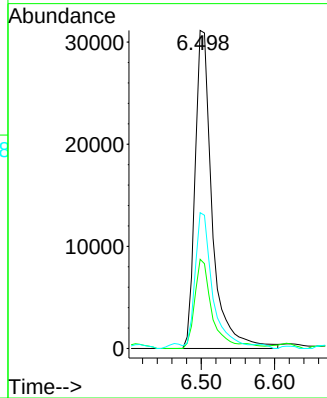
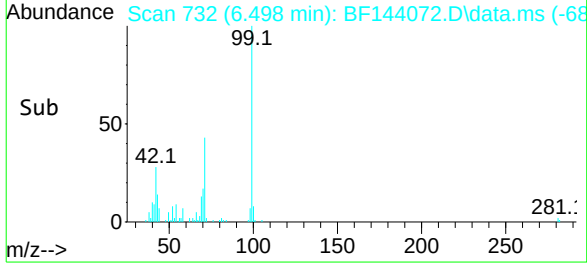
Instrument :
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ClientSampleId :
EO-01-102325



Tgt Ion	Ratio	Lower	Upper
99	100		
42	28.0	23.9	35.9
71	42.7	34.4	51.6

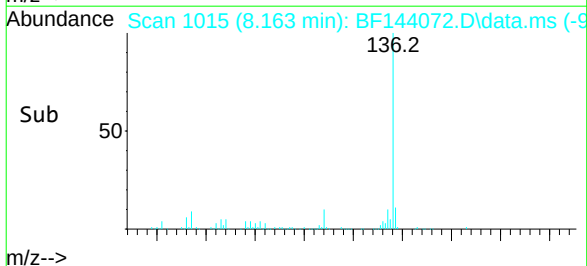
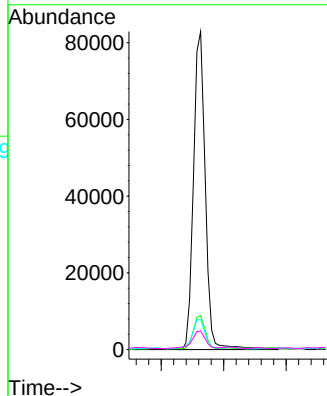
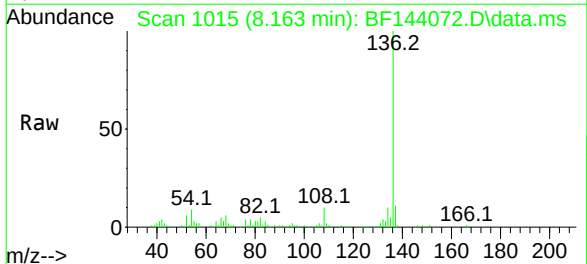
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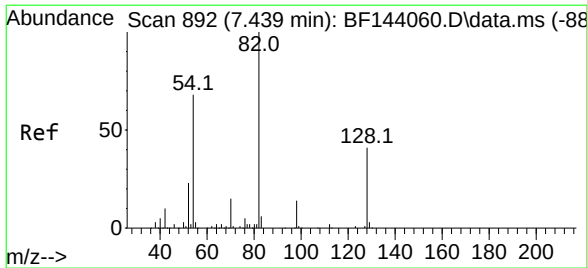
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

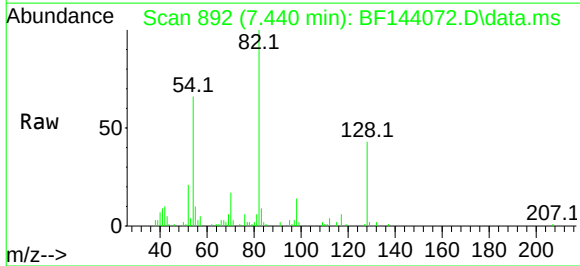
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.4	6.6	9.8
68	5.8	4.6	6.8





#23
Nitrobenzene-d5
Concen: 14.375 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

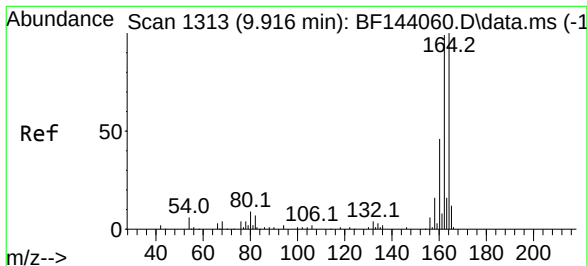
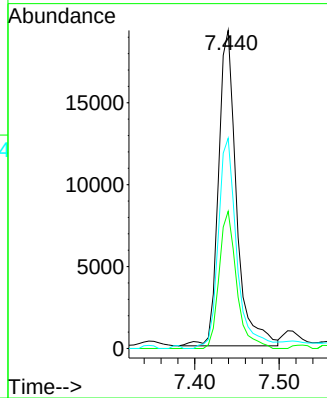
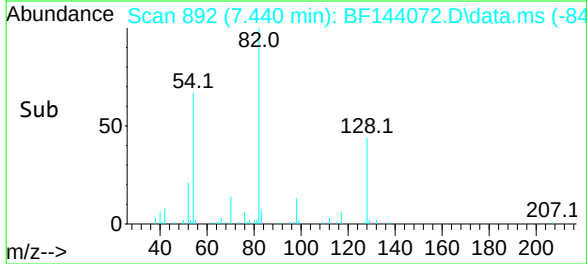
Instrument :
BNA_F
ClientSampleId :
EO-01-102325



Tgt Ion: 82 Resp: 28595
Ion Ratio Lower Upper
82 100
128 43.1 32.4 48.6
54 66.1 54.0 81.0

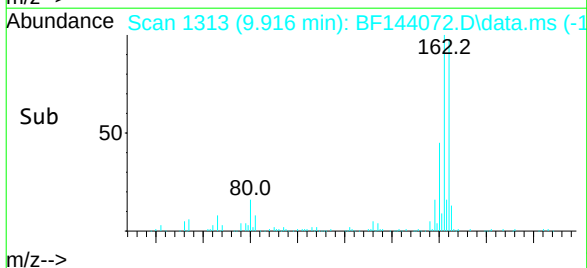
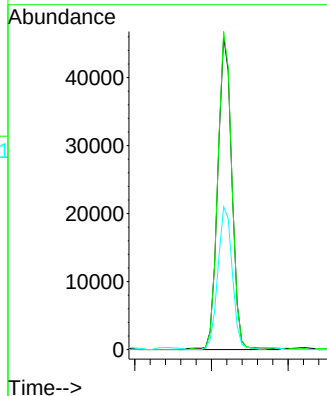
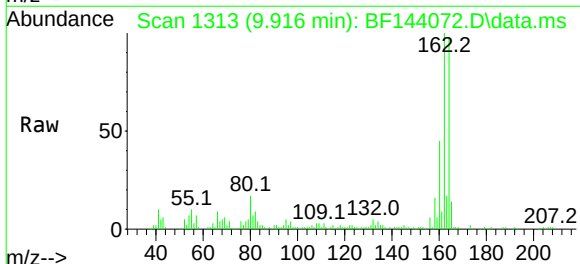
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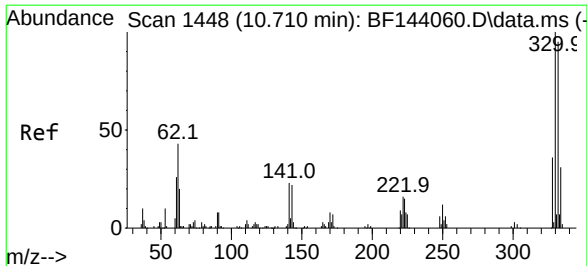
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

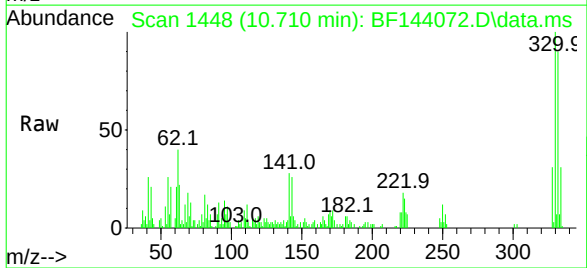
Tgt Ion:164 Resp: 58745
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.2
160 45.6 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 23.944 ng
RT: 10.710 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

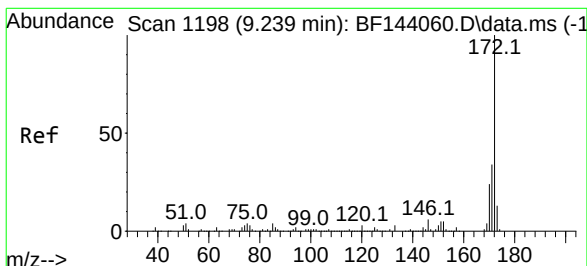
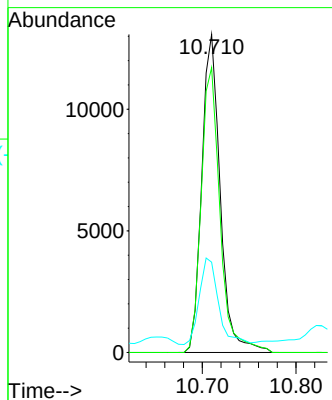
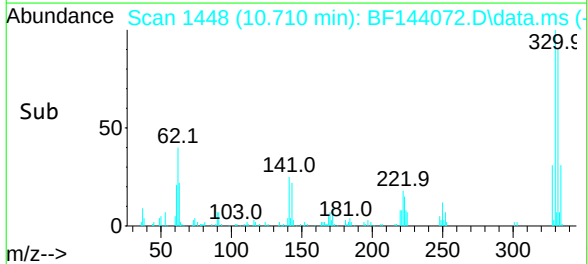
Instrument :
BNA_F
ClientSampleId :
EO-01-102325



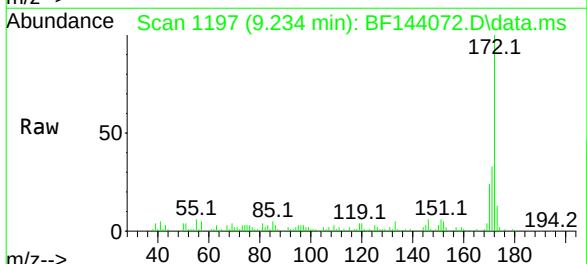
Tgt Ion: 330 Resp: 17917
Ion Ratio Lower Upper
330 100
332 91.4 77.0 115.6
141 28.1 19.4 29.0

Manual Integrations
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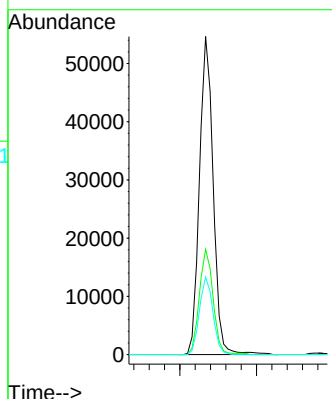
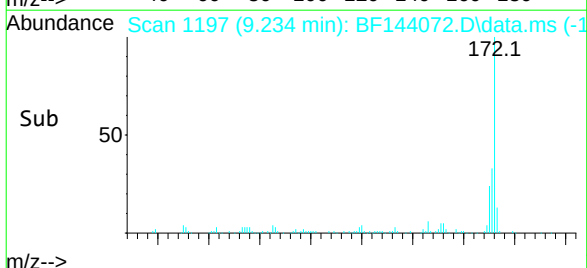
Reviewed By :Rahul Chavli 10/27/2025
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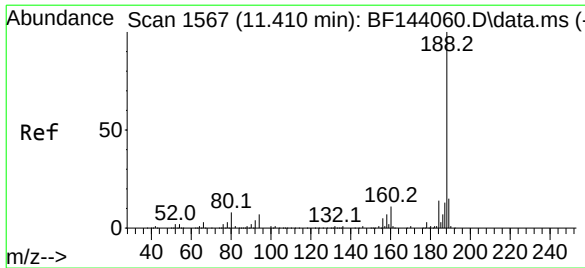


#45
2-Fluorobiphenyl
Concen: 16.290 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44



Tgt Ion: 172 Resp: 68005
Ion Ratio Lower Upper
172 100
171 33.1 27.5 41.3
170 24.4 19.0 28.6





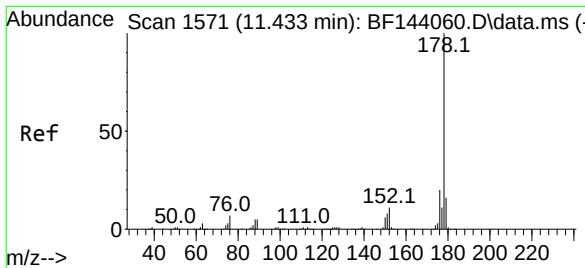
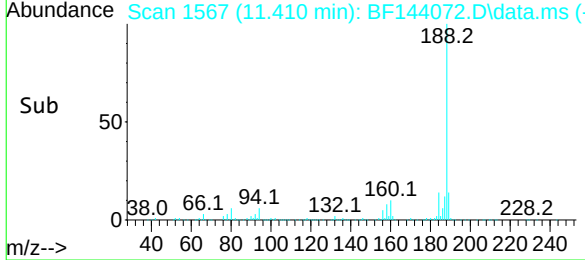
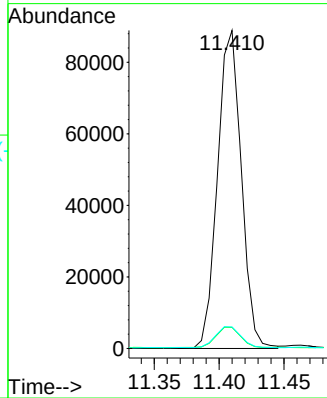
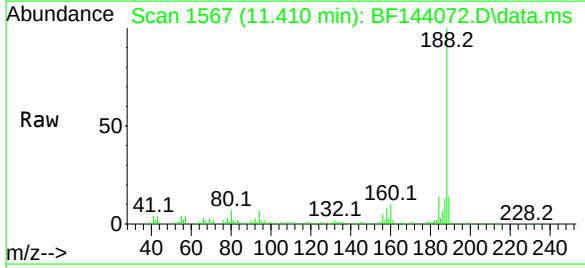
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Instrument :
BNA_F
ClientSampleId :
EO-01-102325

Tgt Ion:188 Resp: 113456
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.0
80 6.8 6.0 9.0

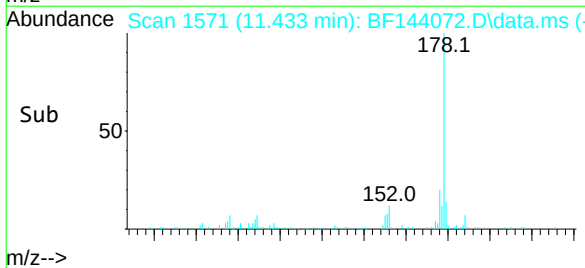
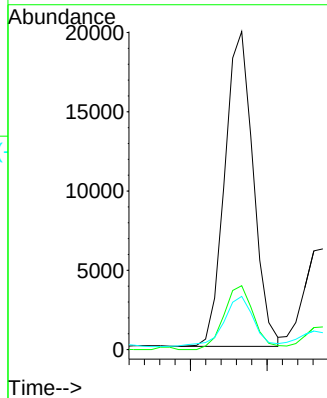
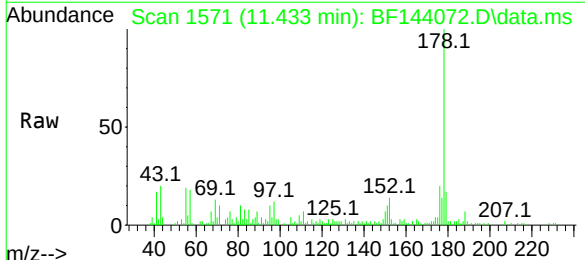
Manual Integrations
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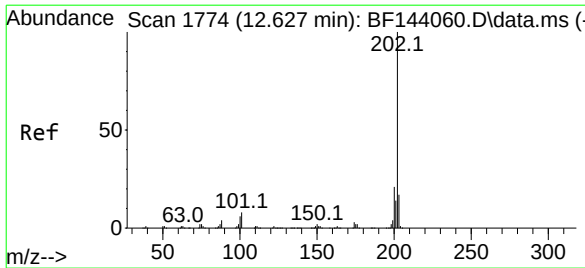
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#71
Phenanthrene
Concen: 4.536 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

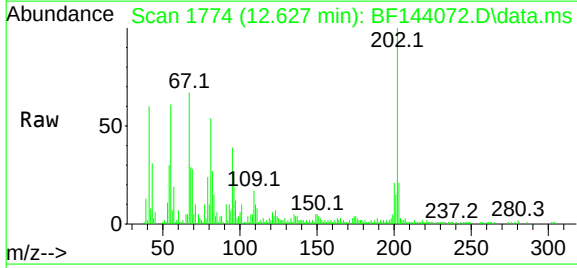
Tgt Ion:178 Resp: 25566
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 16.7 12.6 18.8





#75
Fluoranthene
Concen: 7.278 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

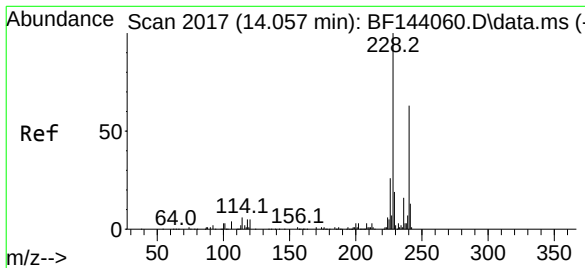
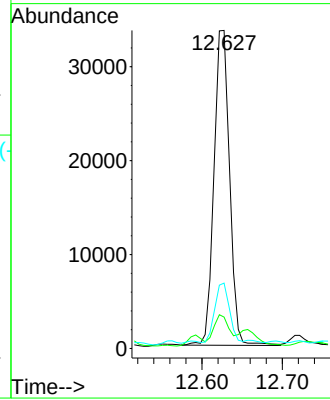
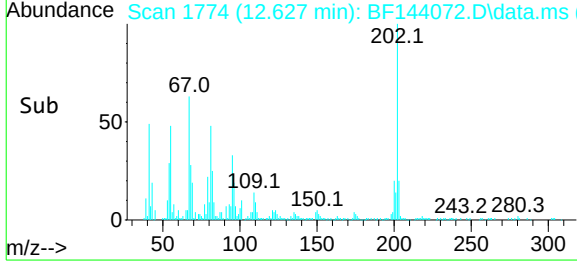
Instrument :
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EO-01-102325



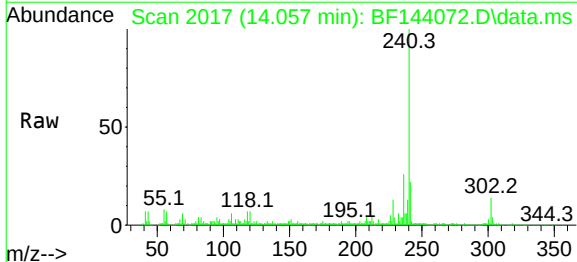
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	27.7
203	20.6	0.0	37.3

Manual Integrations
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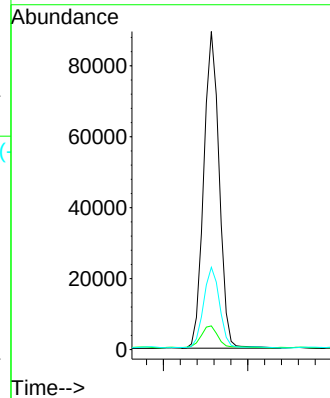
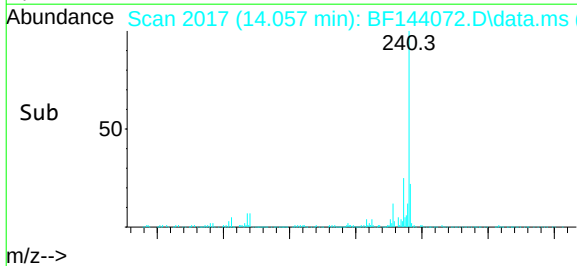
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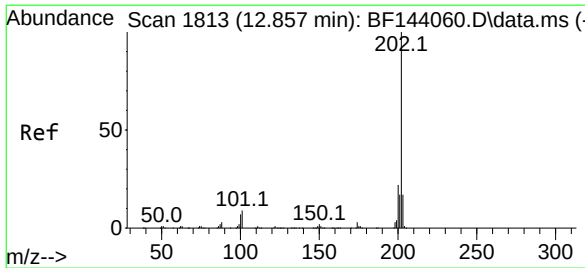


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44



Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.5	9.7
236	25.9	20.1	30.1





#78

Pyrene

Concen: 5.692 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

Instrument :

BNA_F

ClientSampleId :

EO-01-102325

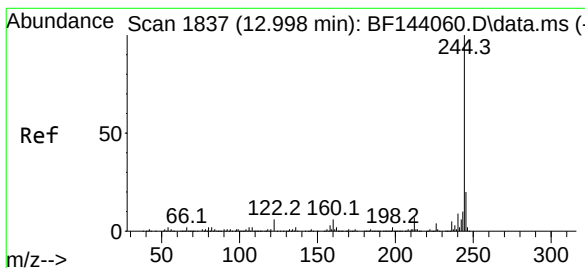
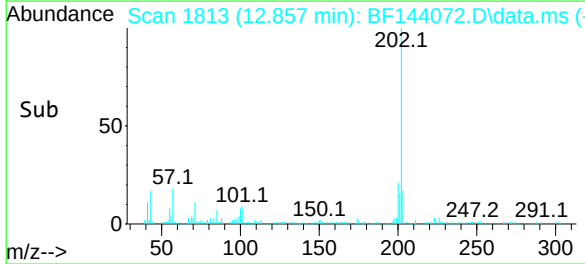
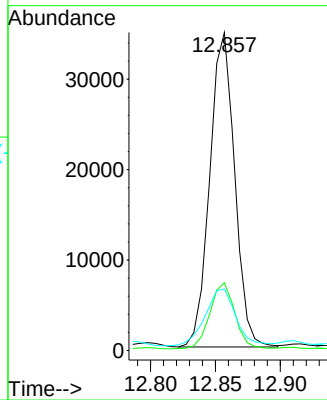
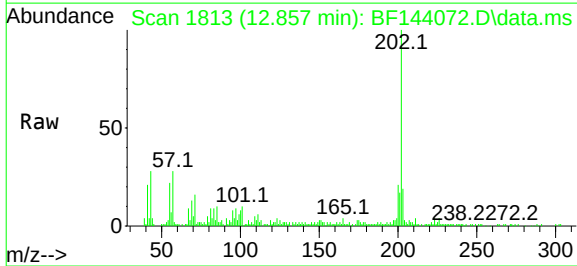
Tgt	Ion:202	Resp:	46521
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	19.4	13.5	20.3

Manual Integrations

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#79

Terphenyl-d14

Concen: 14.078 ng

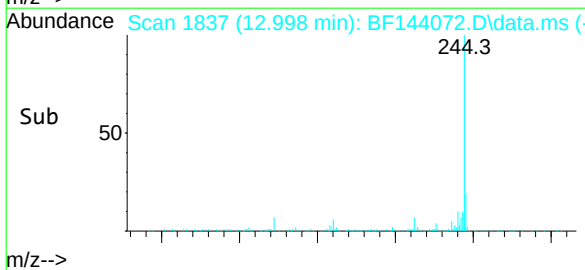
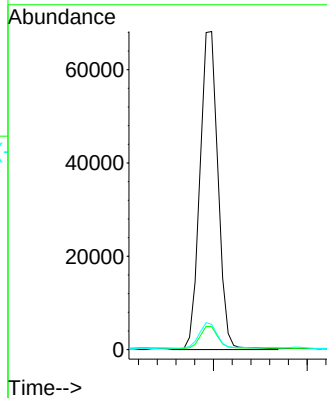
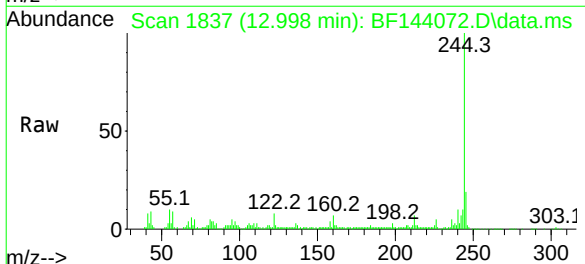
RT: 12.998 min Scan# 1837

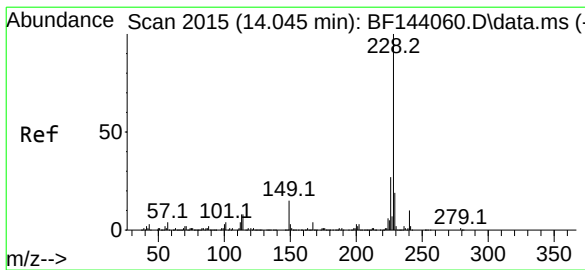
Delta R.T. 0.000 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

Tgt	Ion:244	Resp:	91546
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	8.0	4.9	7.3#





#81

Benzo(a)anthracene

Concen: 3.408 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

Instrument :

BNA_F

ClientSampleId :

EO-01-102325

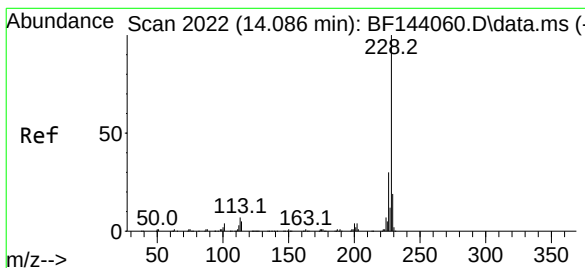
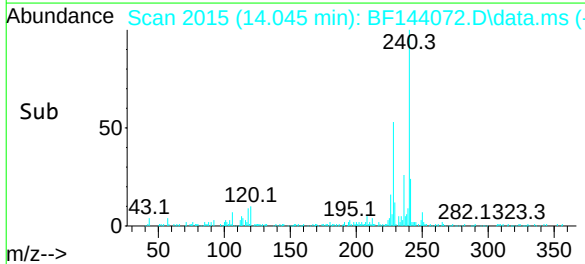
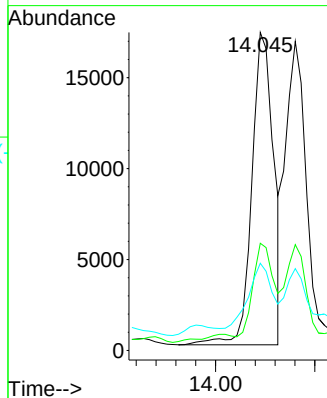
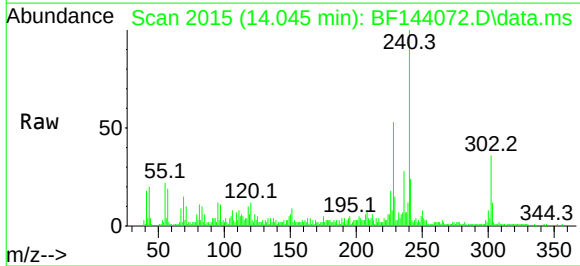
Tgt Ion:	228	Resp:	26179
Ion Ratio	Lower	Upper	
228	100		
226	33.7	21.4	32.2#
229	27.4	15.3	22.9#

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#83

Chrysene

Concen: 3.338 ng

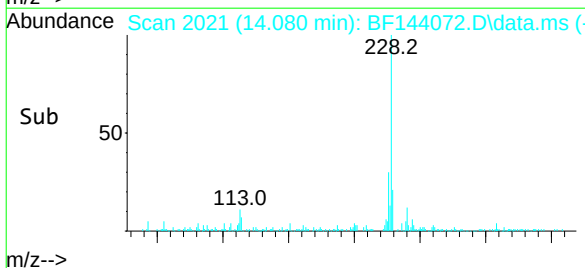
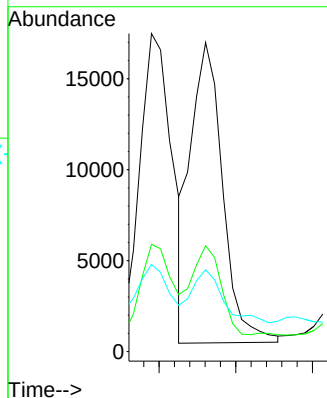
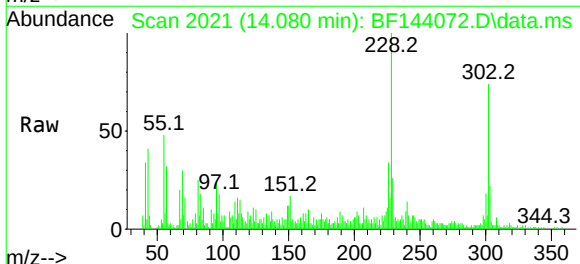
RT: 14.080 min Scan# 2021

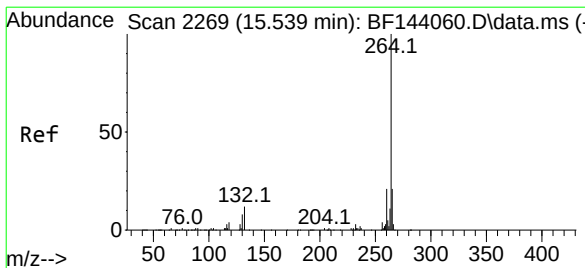
Delta R.T. -0.006 min

Lab File: BF144072.D

Acq: 24 Oct 2025 20:44

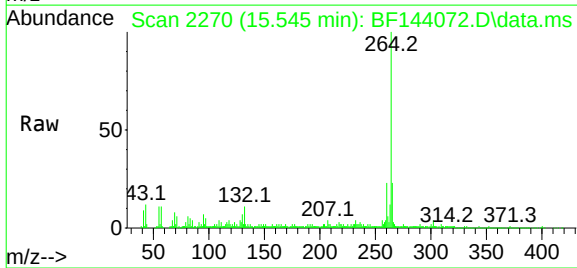
Tgt Ion:	228	Resp:	24064
Ion Ratio	Lower	Upper	
228	100		
226	34.2	23.8	35.6
229	26.5	15.6	23.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

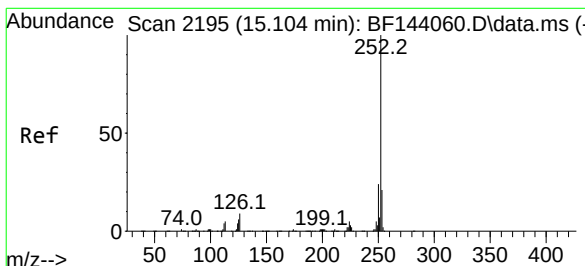
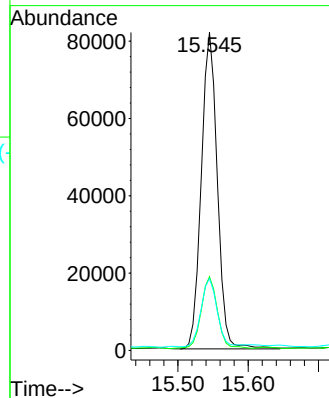
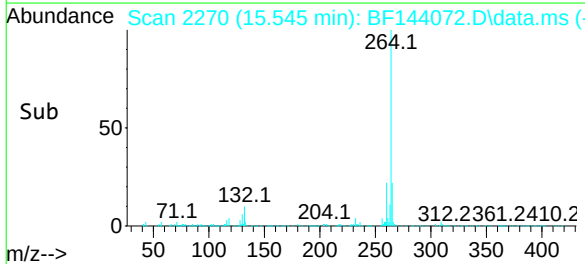
Instrument :
BNA_F
ClientSampleId :
EO-01-102325



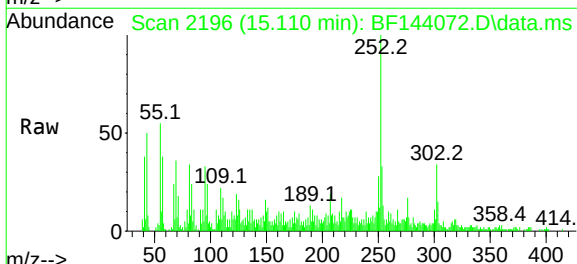
Tgt Ion:264 Resp: 129775
Ion Ratio Lower Upper
264 100
260 23.2 17.0 25.4
265 22.6 16.6 24.8

Manual Integrations
APPROVED

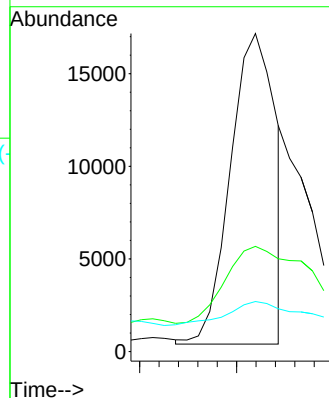
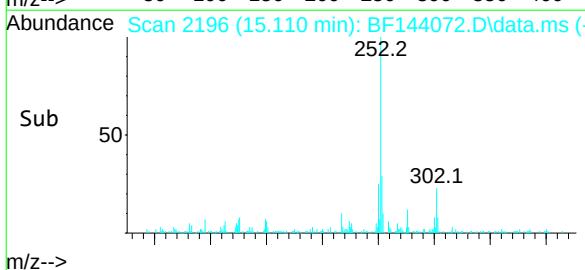
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

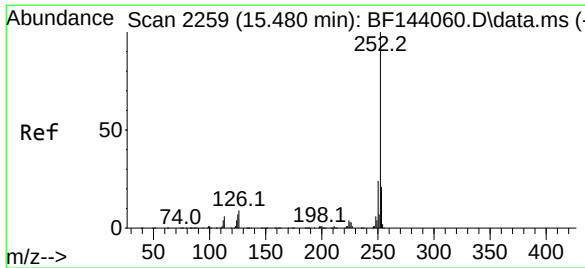


#88
Benzo(b)fluoranthene
Concen: 3.703 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44



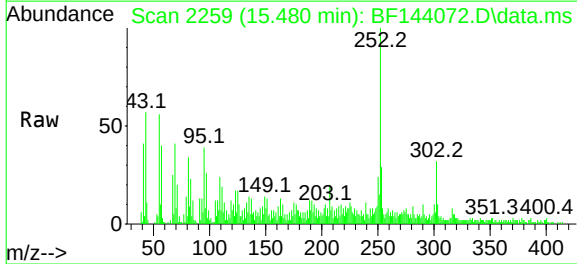
Tgt Ion:252 Resp: 27165
Ion Ratio Lower Upper
252 100
253 33.1 17.2 25.8#
125 15.7 5.0 7.6#





#90
Benzo(a)pyrene
Concen: 3.545 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144072.D
Acq: 24 Oct 2025 20:44

Instrument :
BNA_F
ClientSampleId :
EO-01-102325



Tgt Ion:	252	Resp:	23332
Ion Ratio	Lower	Upper	
252	100		
253	29.3	17.1	25.7#
125	16.8	5.4	8.2#

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

