

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142880.D
 Acq On : 26 Jun 2025 21:02
 Operator : RC/JU
 Sample : Q2419-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-3-6-25-2025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025

Quant Time: Jun 27 01:22:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	55299	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	175723	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	76021	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	134858	20.000	ng	0.00
76) Chrysene-d12	14.051	240	104981	20.000	ng	0.00
86) Perylene-d12	15.545	264	80183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	140489	42.298	ng	0.00
7) Phenol-d6	6.498	99	155356	39.646	ng	-0.01
23) Nitrobenzene-d5	7.434	82	96438	30.103	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	31720	40.547	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	177100	30.604	ng	-0.01
79) Terphenyl-d14	12.992	244	201451	26.514	ng	0.00
Target Compounds						
						Qvalue
38) 1-Methylnaphthalene	8.975	142	13108	2.375	ng	92
71) Phenanthrene	11.428	178	59021	8.079	ng	97
75) Fluoranthene	12.622	202	97527	14.067	ng	99
78) Pyrene	12.851	202	119412	12.135	ng	98
81) Benzo(a)anthracene	14.045	228	45529	6.429	ng	# 85
83) Chrysene	14.080	228	44469	7.037	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.051	276	16399	2.685	ng	# 91
88) Benzo(b)fluoranthene	15.110	252	36811m	7.934	ng	
89) Benzo(k)fluoranthene	15.121	252	15767m	3.632	ng	
90) Benzo(a)pyrene	15.480	252	29012	6.473	ng	# 88
92) Benzo(g,h,i)perylene	17.510	276	17653	3.567	ng	93

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

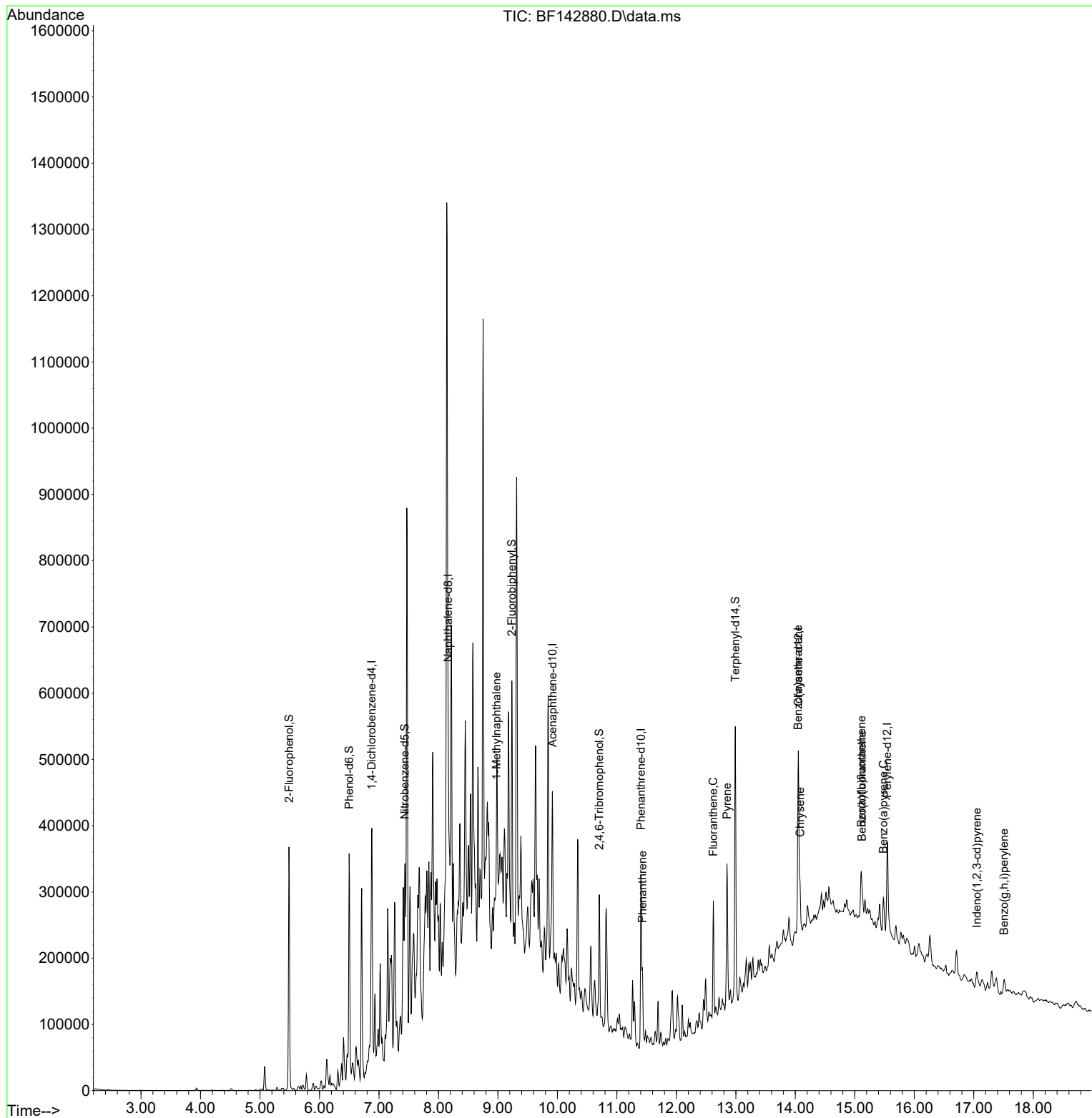
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142880.D
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ALS Vial : 25 Sample Multiplier: 1

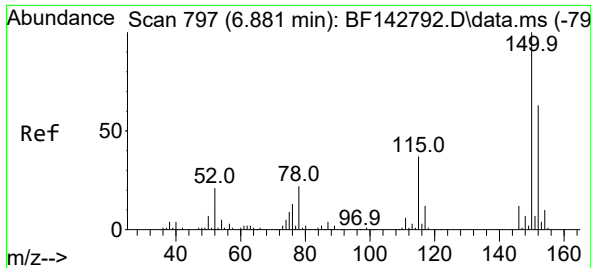
Instrument :
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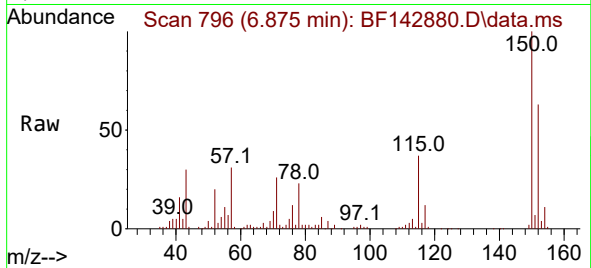
Quant Time: Jun 27 01:22:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

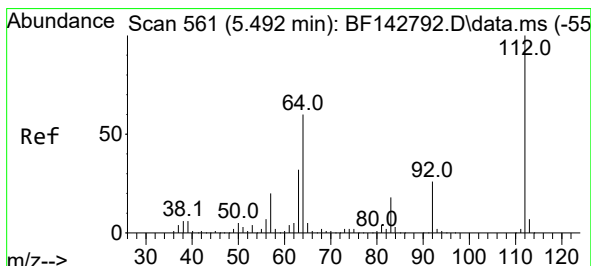
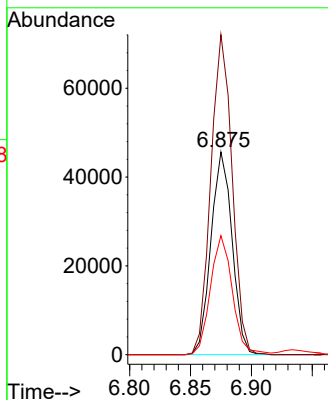
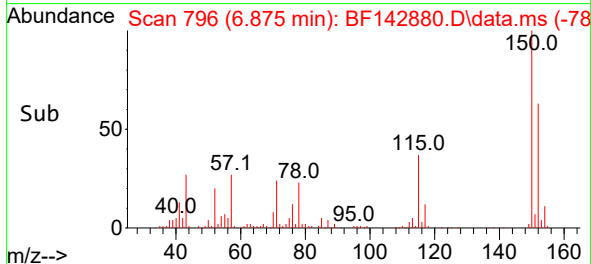
Instrument :
BNA_F
ClientSampleId :
EO-3-6-25-2025



Tgt Ion:152 Resp: 55299
Ion Ratio Lower Upper
152 100
150 157.8 127.2 190.8
115 58.7 46.6 69.8

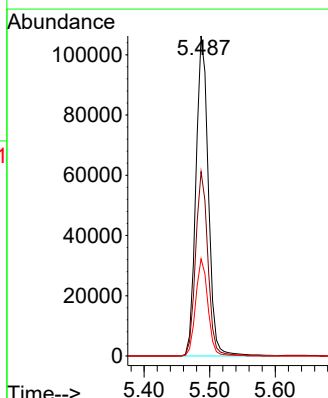
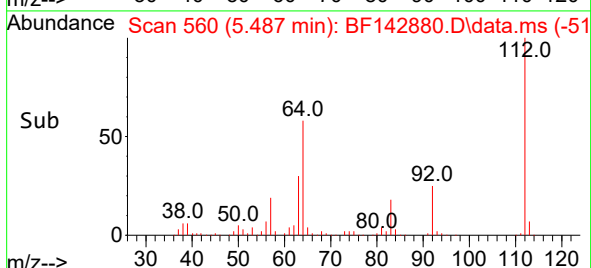
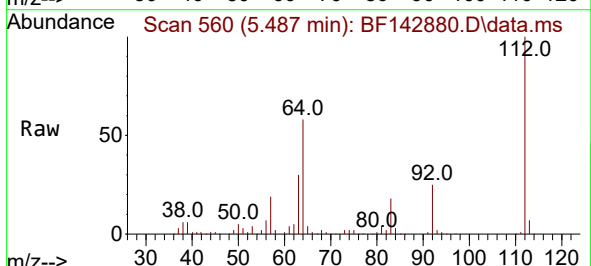
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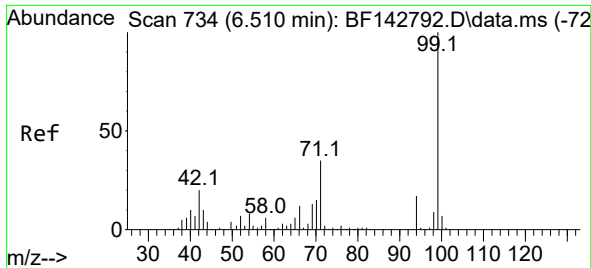
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#5
2-Fluorophenol
Concen: 42.298 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.005 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

Tgt Ion:112 Resp: 140489
Ion Ratio Lower Upper
112 100
64 57.6 48.2 72.2
63 30.3 25.7 38.5





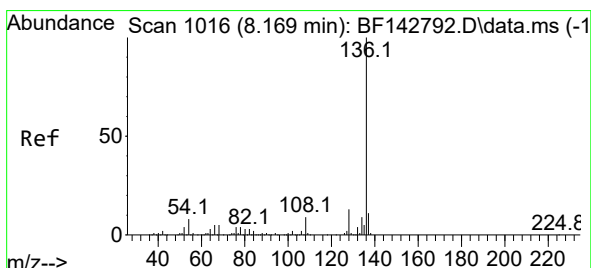
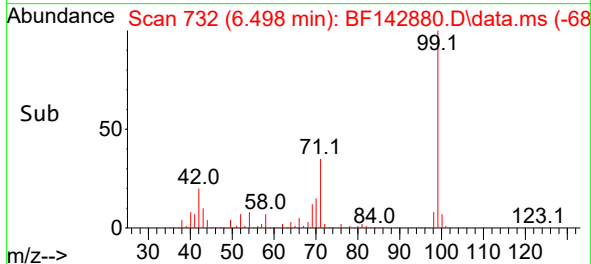
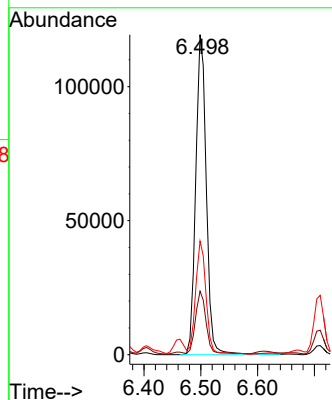
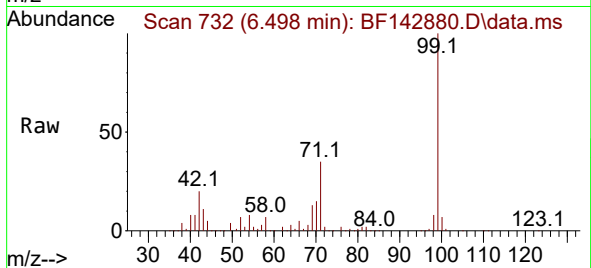
#7
Phenol-d6
Concen: 39.646 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

Instrument :
BNA_F
ClientSampleId :
EO-3-6-25-2025

Tgt Ion: 99 Resp: 155350
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 35.5 27.8 41.8

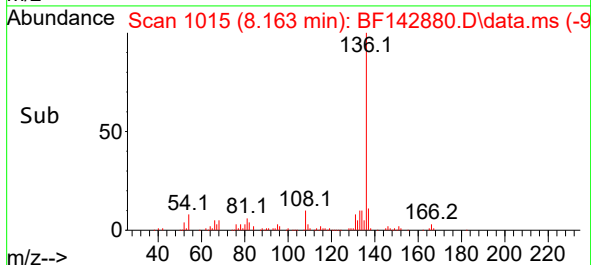
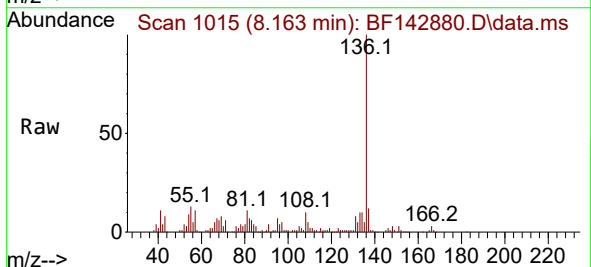
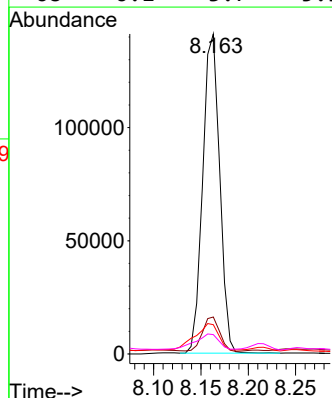
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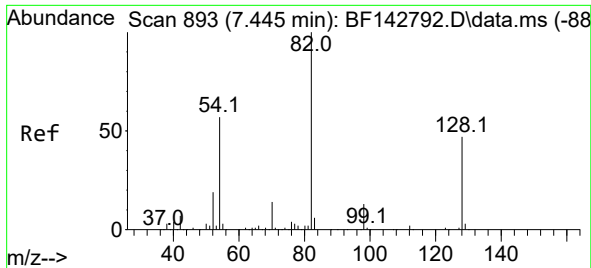
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

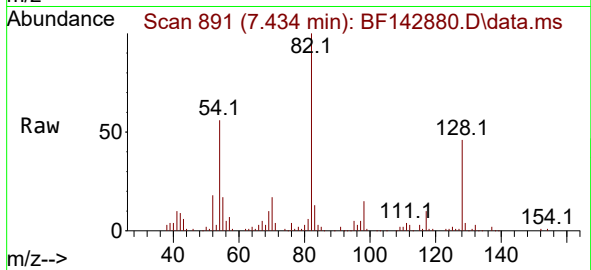
Tgt Ion:136 Resp: 175723
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 9.2 6.3 9.5
68 6.1 3.7 5.5#





#23
Nitrobenzene-d5
Concen: 30.103 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

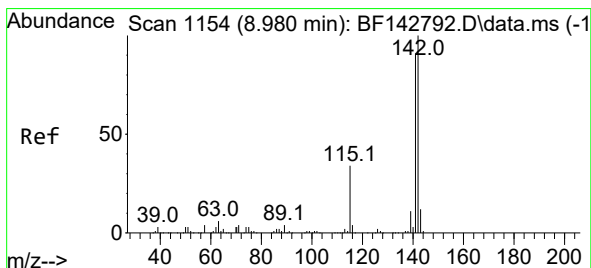
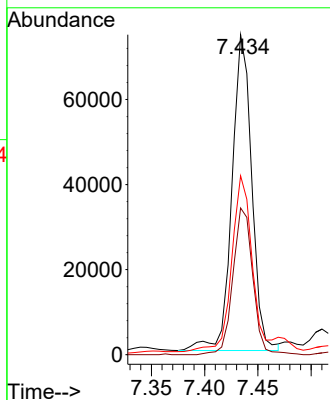
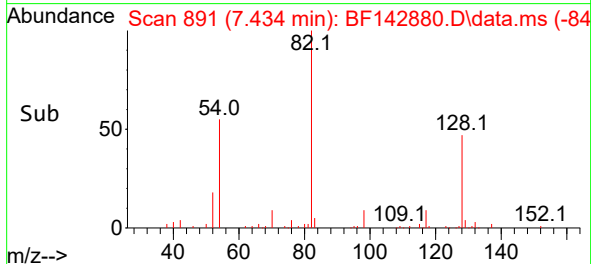
Instrument :
BNA_F
ClientSampleId :
EO-3-6-25-2025



Tgt Ion: 82 Resp: 96438
Ion Ratio Lower Upper
82 100
128 45.9 37.7 56.5
54 55.9 45.7 68.5

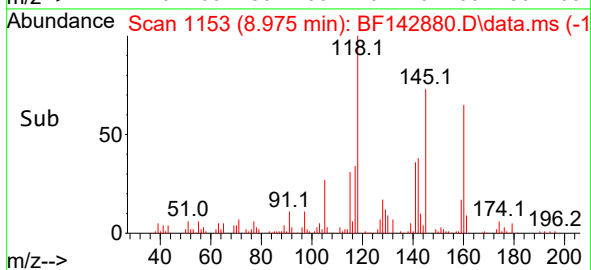
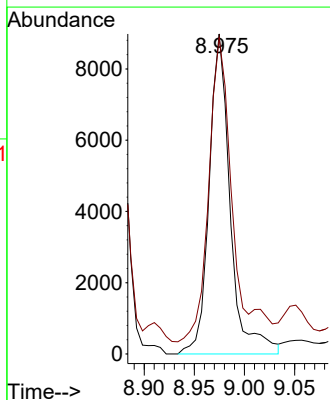
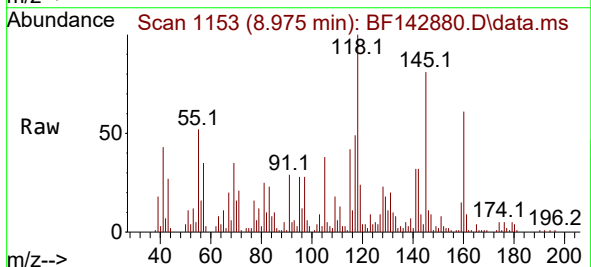
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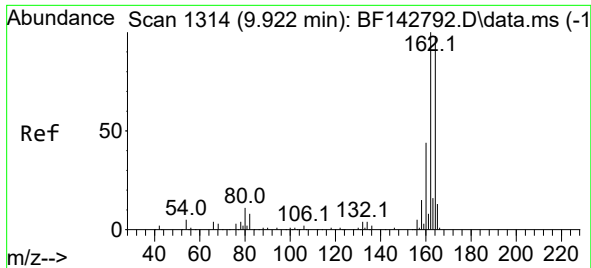
Reviewed By :Rahul Chavli 06/27/2025
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#38
1-Methylnaphthalene
Concen: 2.375 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

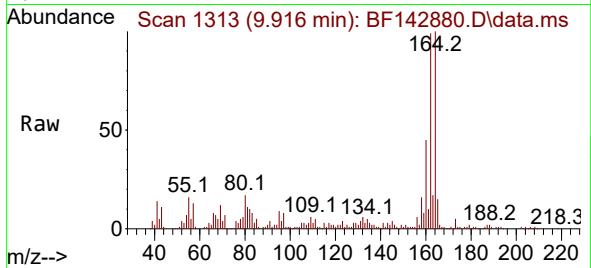
Tgt Ion:142 Resp: 13108
Ion Ratio Lower Upper
142 100
141 98.9 73.0 109.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

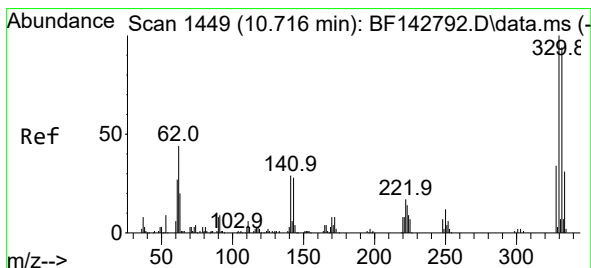
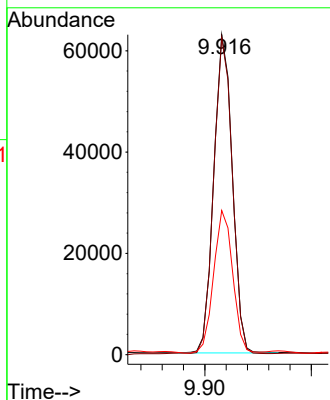
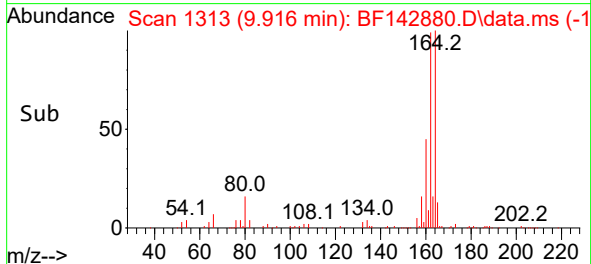
Instrument :
BNA_F
ClientSampleId :
EO-3-6-25-2025



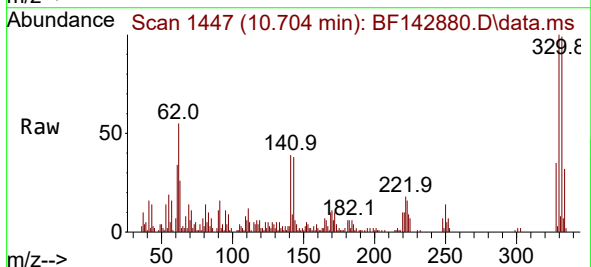
Tgt Ion:164 Resp: 7602
Ion Ratio Lower Upper
164 100
162 99.0 81.8 122.8
160 45.0 36.0 54.0

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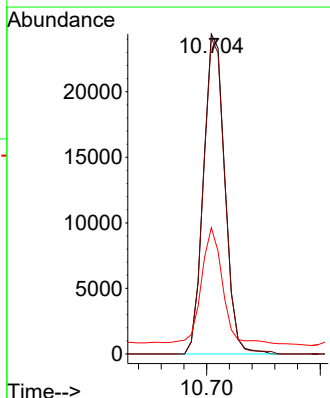
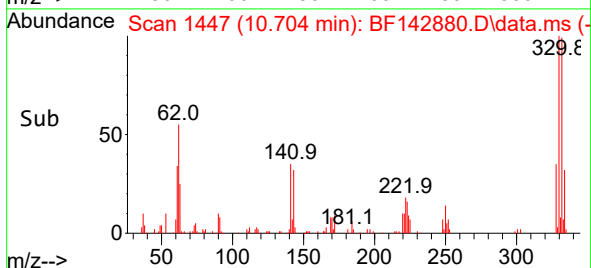
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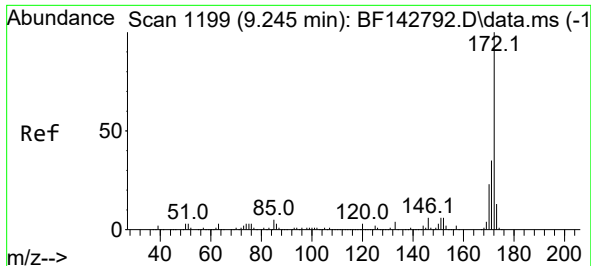


#42
2,4,6-Tribromophenol
Concen: 40.547 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02



Tgt Ion:330 Resp: 31720
Ion Ratio Lower Upper
330 100
332 99.0 75.0 112.6
141 38.8 25.3 37.9#





#45

2-Fluorobiphenyl

Concen: 30.604 ng

RT: 9.234 min Scan# 1197

Delta R.T. -0.011 min

Lab File: BF142880.D

Acq: 26 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EO-3-6-25-2025

Tgt Ion:172 Resp: 177100

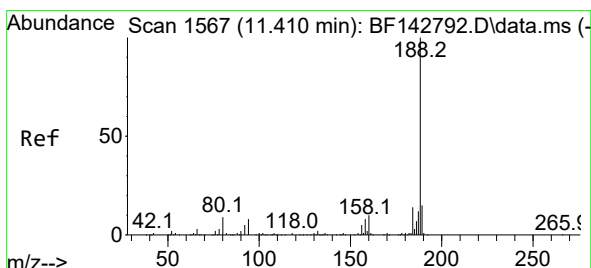
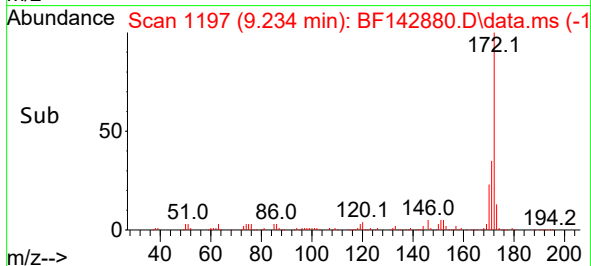
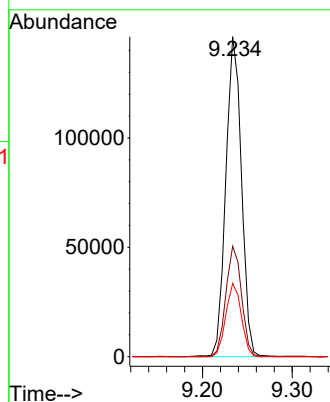
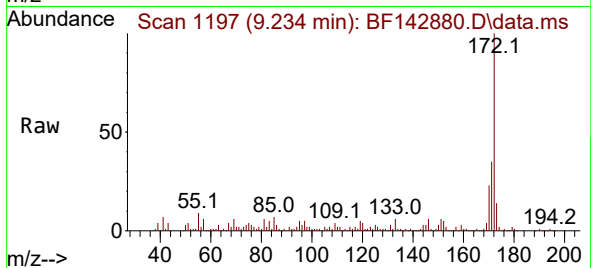
Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	22.9	18.5	27.7

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

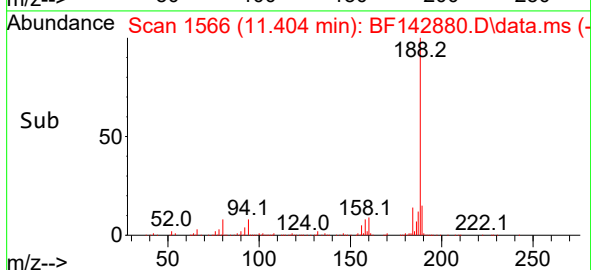
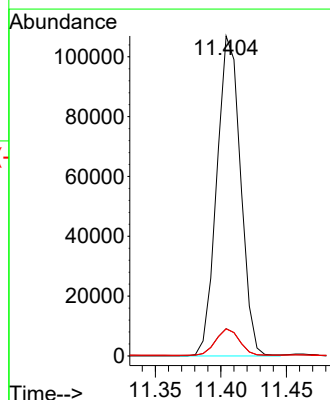
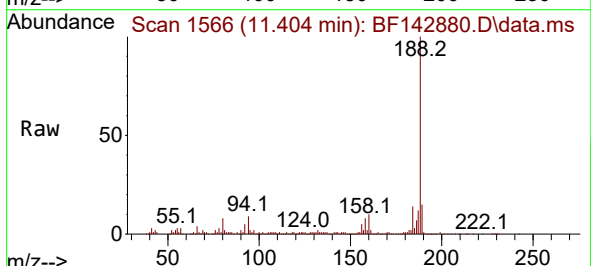
Delta R.T. -0.006 min

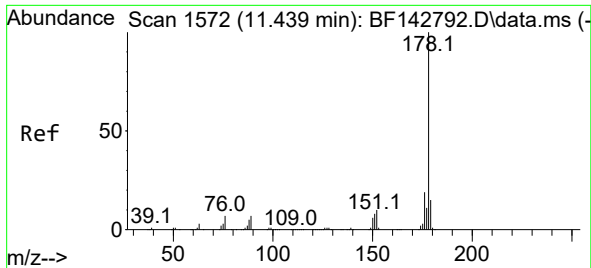
Lab File: BF142880.D

Acq: 26 Jun 2025 21:02

Tgt Ion:188 Resp: 134858

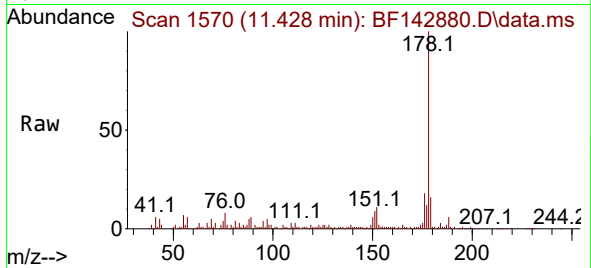
Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.7	10.1
80	8.5	6.9	10.3





#71
Phenanthrene
Concen: 8.079 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

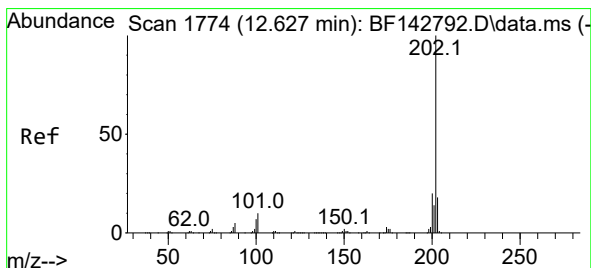
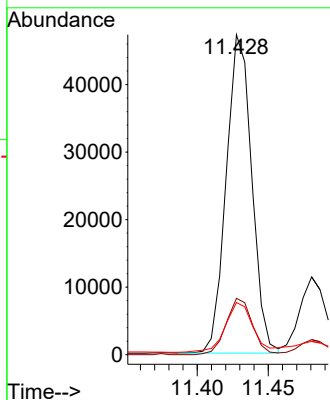
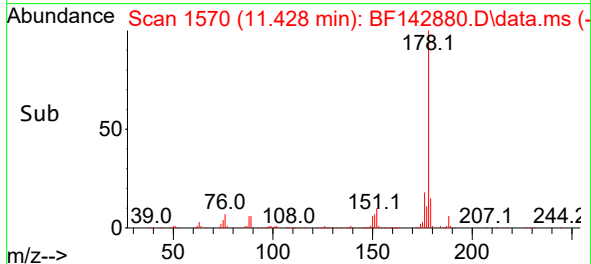
Instrument :
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EO-3-6-25-2025



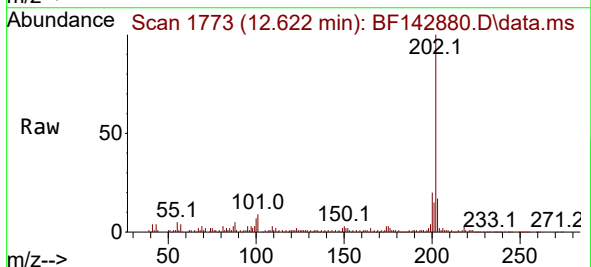
Tgt Ion:178 Resp: 5902
Ion Ratio Lower Upper
178 100
176 17.6 15.1 22.7
179 16.3 12.0 18.0

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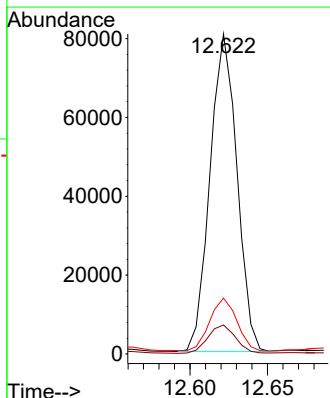
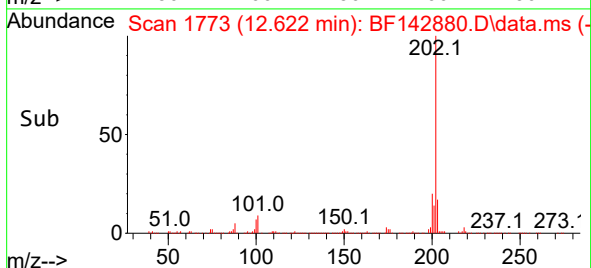
Reviewed By :Rahul Chavli 06/27/2025
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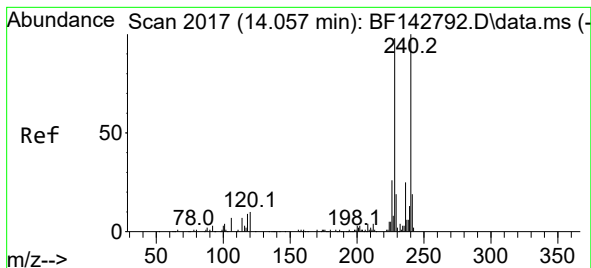


#75
Fluoranthene
Concen: 14.067 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02



Tgt Ion:202 Resp: 97527
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.7
203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2017

Delta R.T. -0.006 min

Lab File: BF142880.D

Acq: 26 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EO-3-6-25-2025

Tgt Ion:240 Resp: 10498

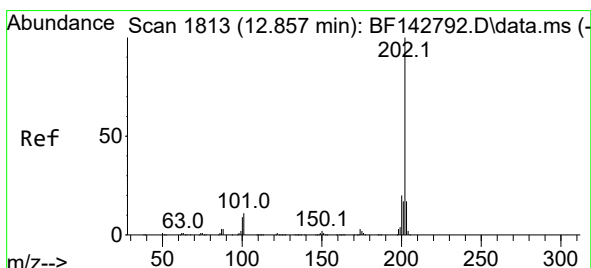
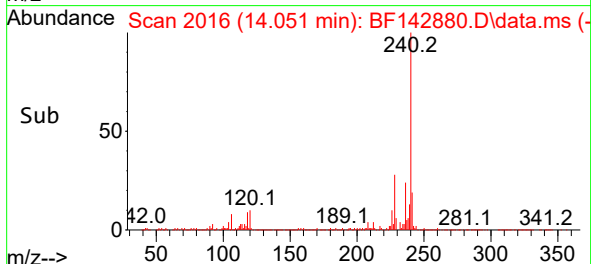
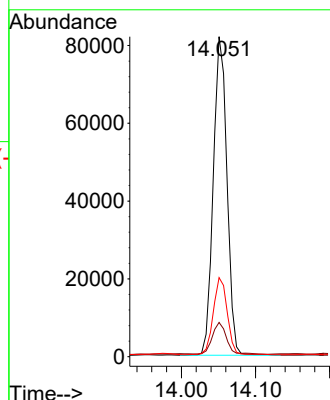
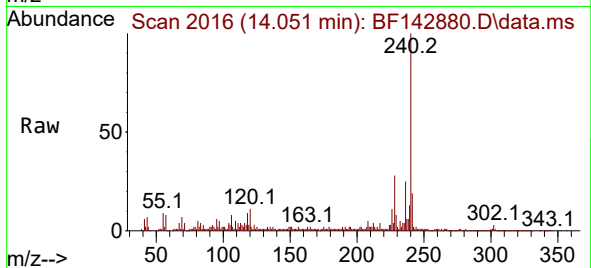
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.2	12.2
236	24.7	19.8	29.8

Manual Integrations

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#78

Pyrene

Concen: 12.135 ng

RT: 12.851 min Scan# 1812

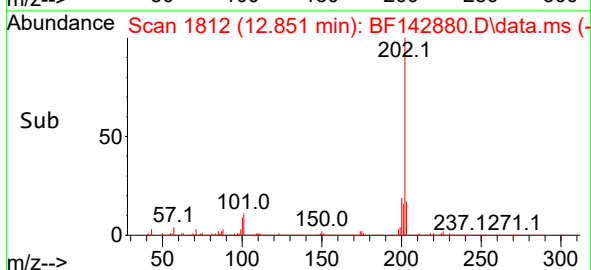
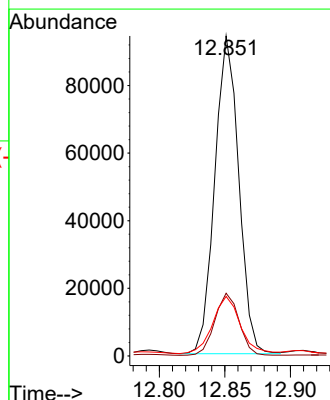
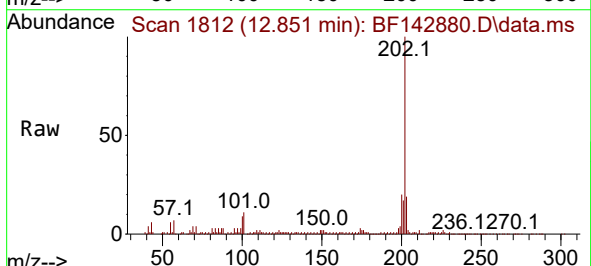
Delta R.T. -0.006 min

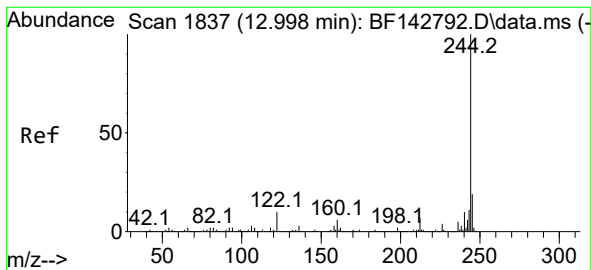
Lab File: BF142880.D

Acq: 26 Jun 2025 21:02

Tgt Ion:202 Resp: 119412

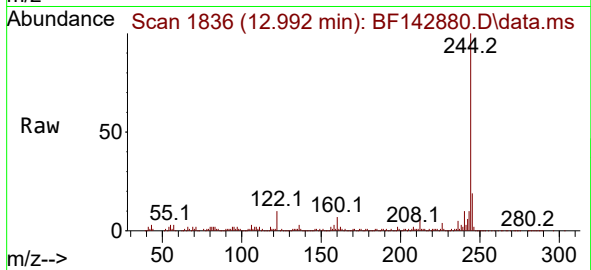
Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	18.6	13.8	20.6





#79
Terphenyl-d14
Concen: 26.514 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

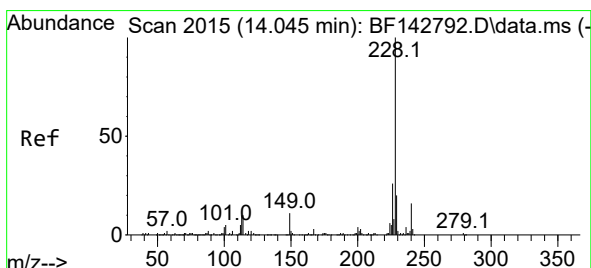
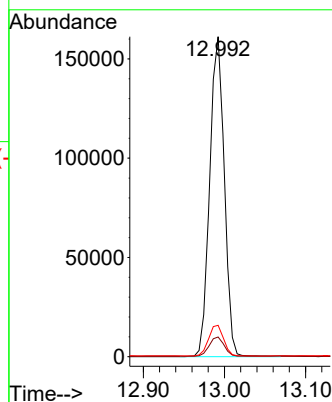
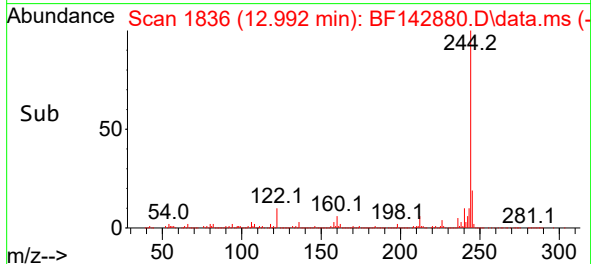
Instrument :
BNA_F
ClientSampleId :
EO-3-6-25-2025



Tgt Ion:244 Resp: 20145
Ion Ratio Lower Upper
244 100
212 6.2 5.4 8.0
122 9.8 8.2 12.2

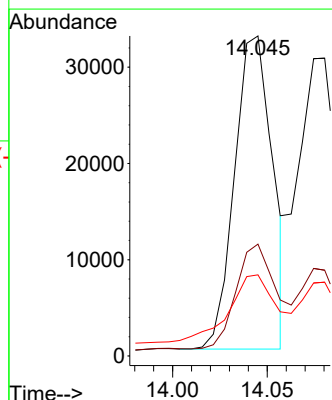
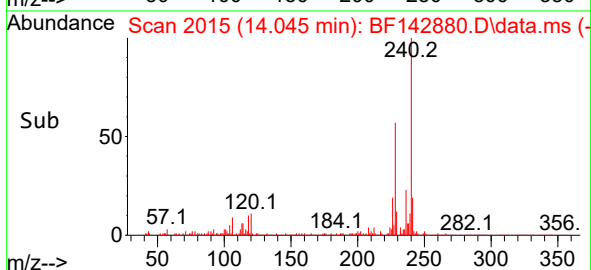
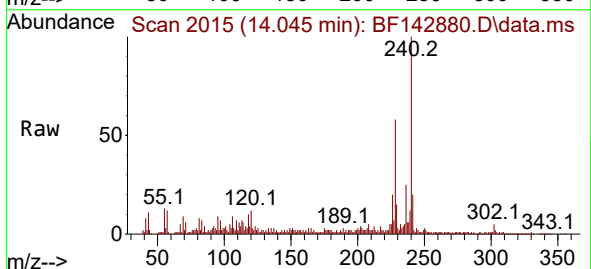
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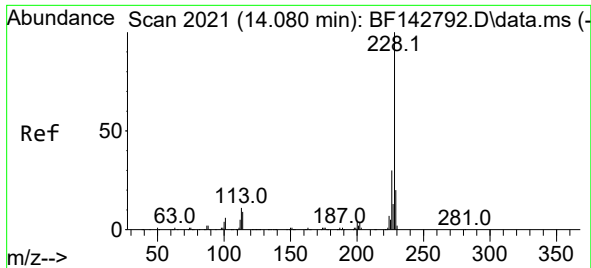
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#81
Benzo(a)anthracene
Concen: 6.429 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

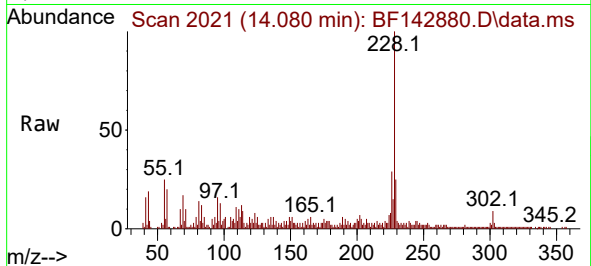
Tgt Ion:228 Resp: 45529
Ion Ratio Lower Upper
228 100
226 35.0 21.2 31.8#
229 25.3 15.6 23.4#





#83
Chrysene
Concen: 7.037 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

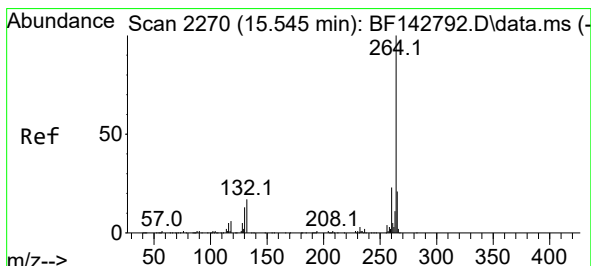
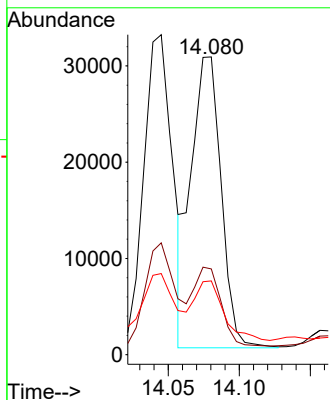
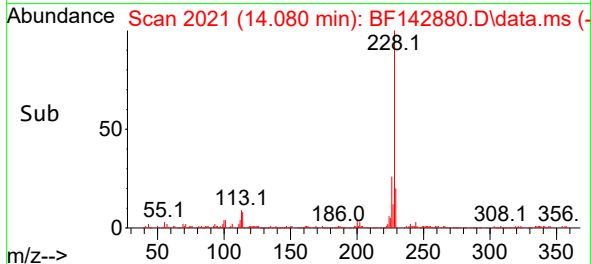
Instrument :
BNA_F
ClientSampleId :
EO-3-6-25-2025



Tgt Ion:228 Resp: 44469
Ion Ratio Lower Upper
228 100
226 28.8 23.7 35.5
229 24.8 15.7 23.5

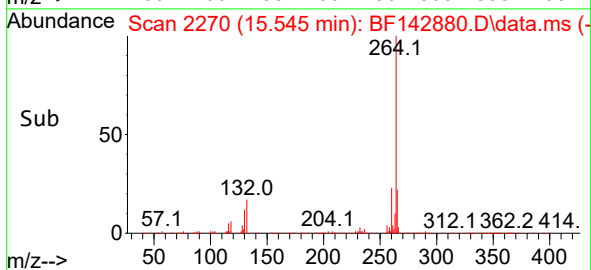
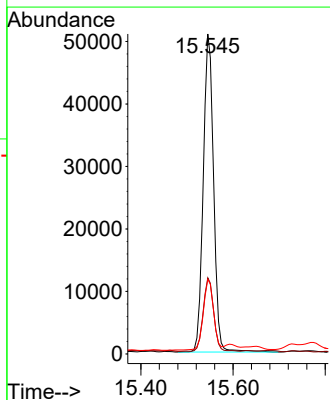
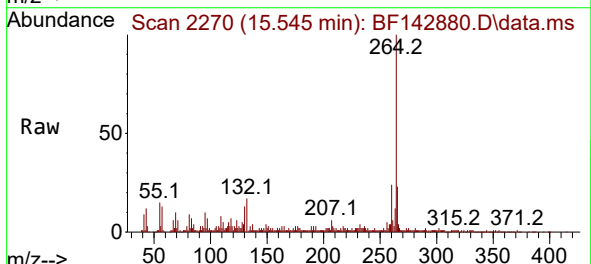
Manual Integrations
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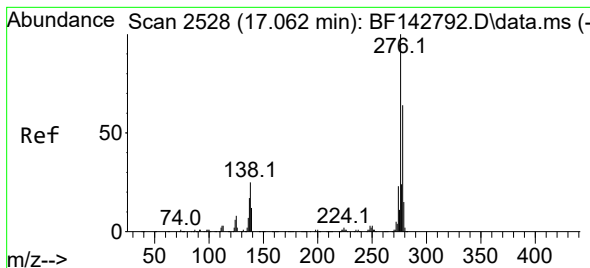
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142880.D
Acq: 26 Jun 2025 21:02

Tgt Ion:264 Resp: 80183
Ion Ratio Lower Upper
264 100
260 23.8 18.1 27.1
265 23.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.685 ng

RT: 17.051 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF142880.D

Acq: 26 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EO-3-6-25-2025

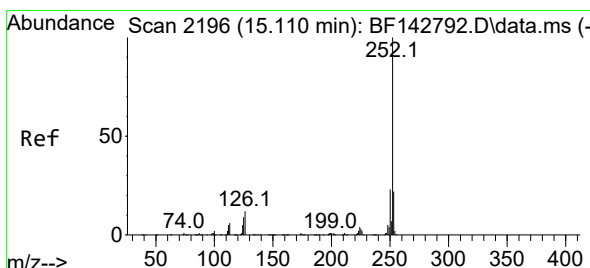
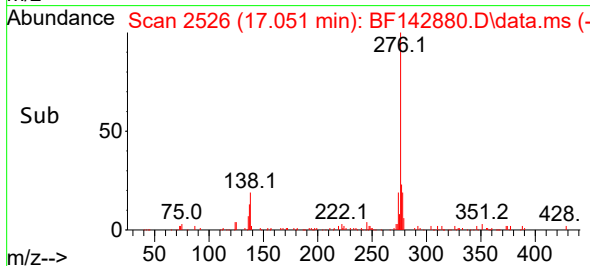
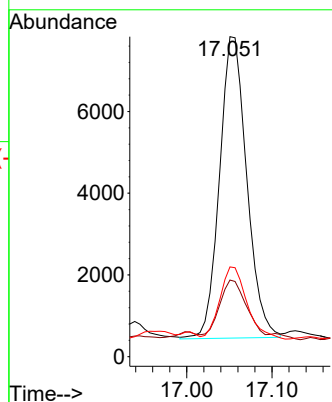
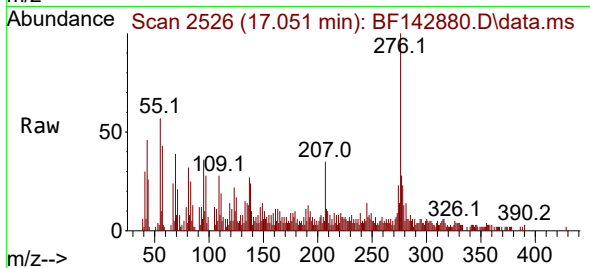
Tgt Ion:	276	Resp:	16399
Ion Ratio	Lower	Upper	
276	100		
138	17.5	20.2	30.4
277	23.8	19.8	29.6

Manual Integrations

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Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#88

Benzo(b)fluoranthene

Concen: 7.934 ng m

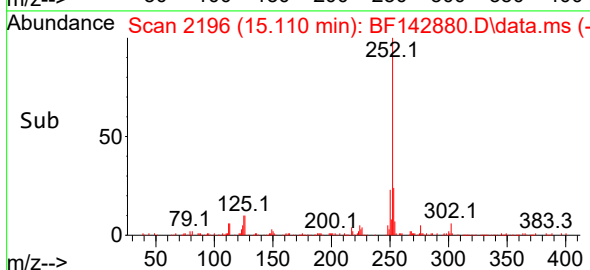
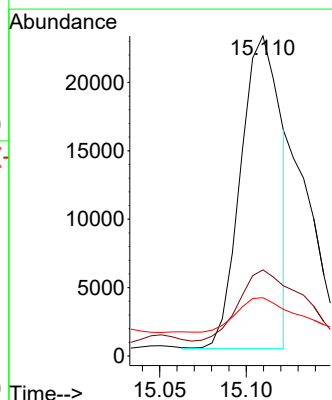
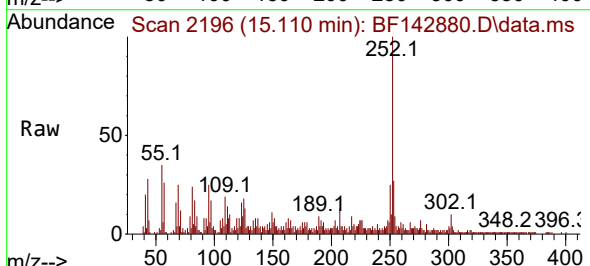
RT: 15.110 min Scan# 2196

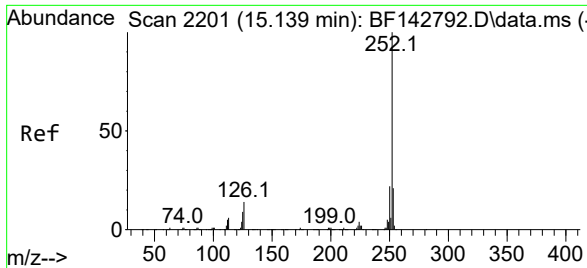
Delta R.T. 0.000 min

Lab File: BF142880.D

Acq: 26 Jun 2025 21:02

Tgt Ion:	252	Resp:	36811
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.5	26.3
125	18.2	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 3.632 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF142880.D

Acq: 26 Jun 2025 21:02

Instrument :

BNA_F

ClientSampleId :

EO-3-6-25-2025

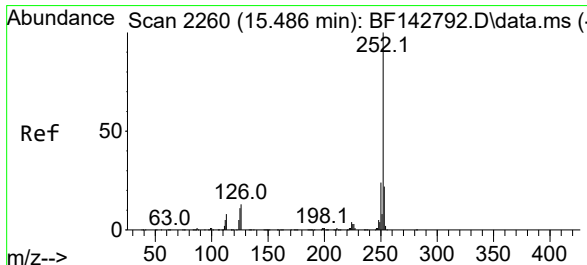
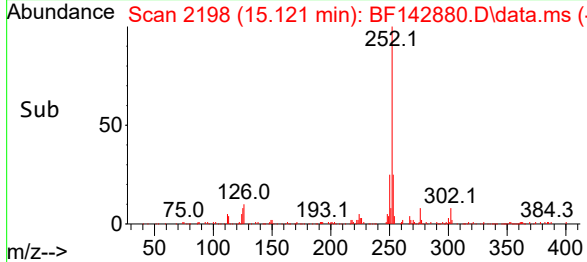
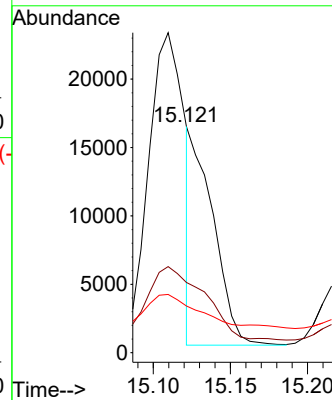
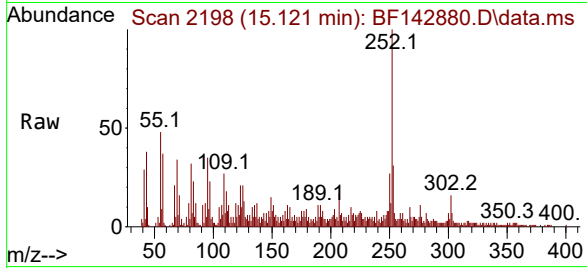
Tgt Ion:252 Resp: 1576
 Ion Ratio Lower Upper
 252 100
 253 31.1 17.2 25.8
 125 20.6 7.4 11.2

Manual Integrations

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Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#90

Benzo(a)pyrene

Concen: 6.473 ng

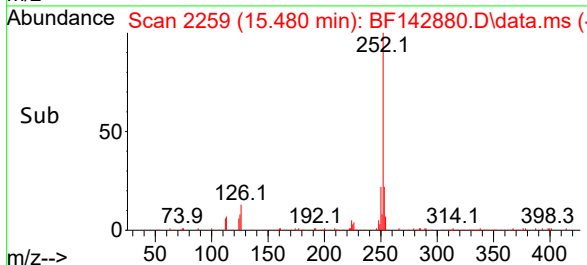
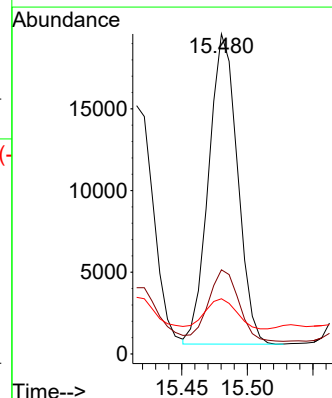
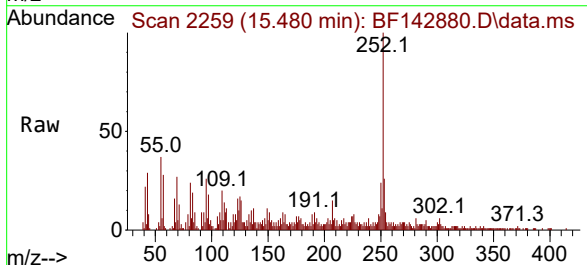
RT: 15.480 min Scan# 2259

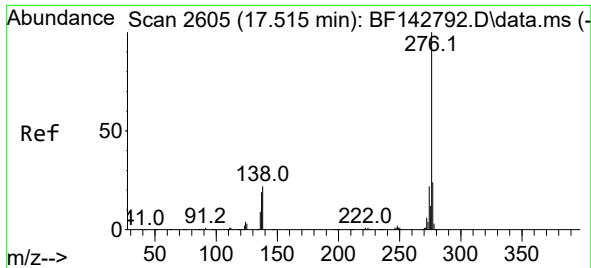
Delta R.T. -0.006 min

Lab File: BF142880.D

Acq: 26 Jun 2025 21:02

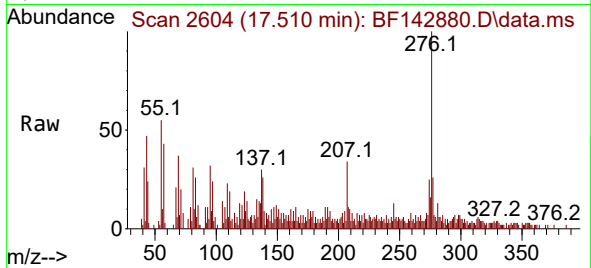
Tgt Ion:252 Resp: 29012
 Ion Ratio Lower Upper
 252 100
 253 26.3 17.5 26.3
 125 17.2 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.567 ng
 RT: 17.510 min Scan# 2064
 Delta R.T. -0.006 min
 Lab File: BF142880.D
 Acq: 26 Jun 2025 21:02

Instrument :
 BNA_F
 ClientSampleId :
 EO-3-6-25-2025



Tgt Ion:	276	Resp:	1765
Ion Ratio	Lower	Upper	
276	100		
277	26.3	18.8	28.2
138	25.8	17.6	26.4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025

