

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
 Data File : BF143904.D
 Acq On : 08 Oct 2025 19:34
 Operator : RC/JU
 Sample : Q3304-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-100725

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/09/2025
 Supervised By :Jagrut Upadhyay 10/09/2025

Quant Time: Oct 09 01:48:57 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	119244	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	437893	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	226915	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	351847	20.000	ng	0.00
76) Chrysene-d12	14.057	240	293485	20.000	ng	-0.01
86) Perylene-d12	15.539	264	252441	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	100041	13.323	ng	-0.01
7) Phenol-d6	6.492	99	118367	13.225	ng	-0.02
23) Nitrobenzene-d5	7.439	82	60985	8.461	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	22617	10.007	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	151152	10.570	ng	-0.01
79) Terphenyl-d14	12.998	244	136066	7.924	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	94345	5.531	ng	99
75) Fluoranthene	12.627	202	142675	8.098	ng	99
78) Pyrene	12.857	202	152314	6.225	ng	99
81) Benzo(a)anthracene	14.045	228	88176	4.591	ng	93
83) Chrysene	14.080	228	79081	4.449	ng	98
88) Benzo(b)fluoranthene	15.104	252	90158m	6.217	ng	
89) Benzo(k)fluoranthene	15.121	252	27257m	2.031	ng	
90) Benzo(a)pyrene	15.474	252	59412	4.725	ng	# 91
92) Benzo(g,h,i)perylene	17.474	276	27692	2.226	ng	# 91

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

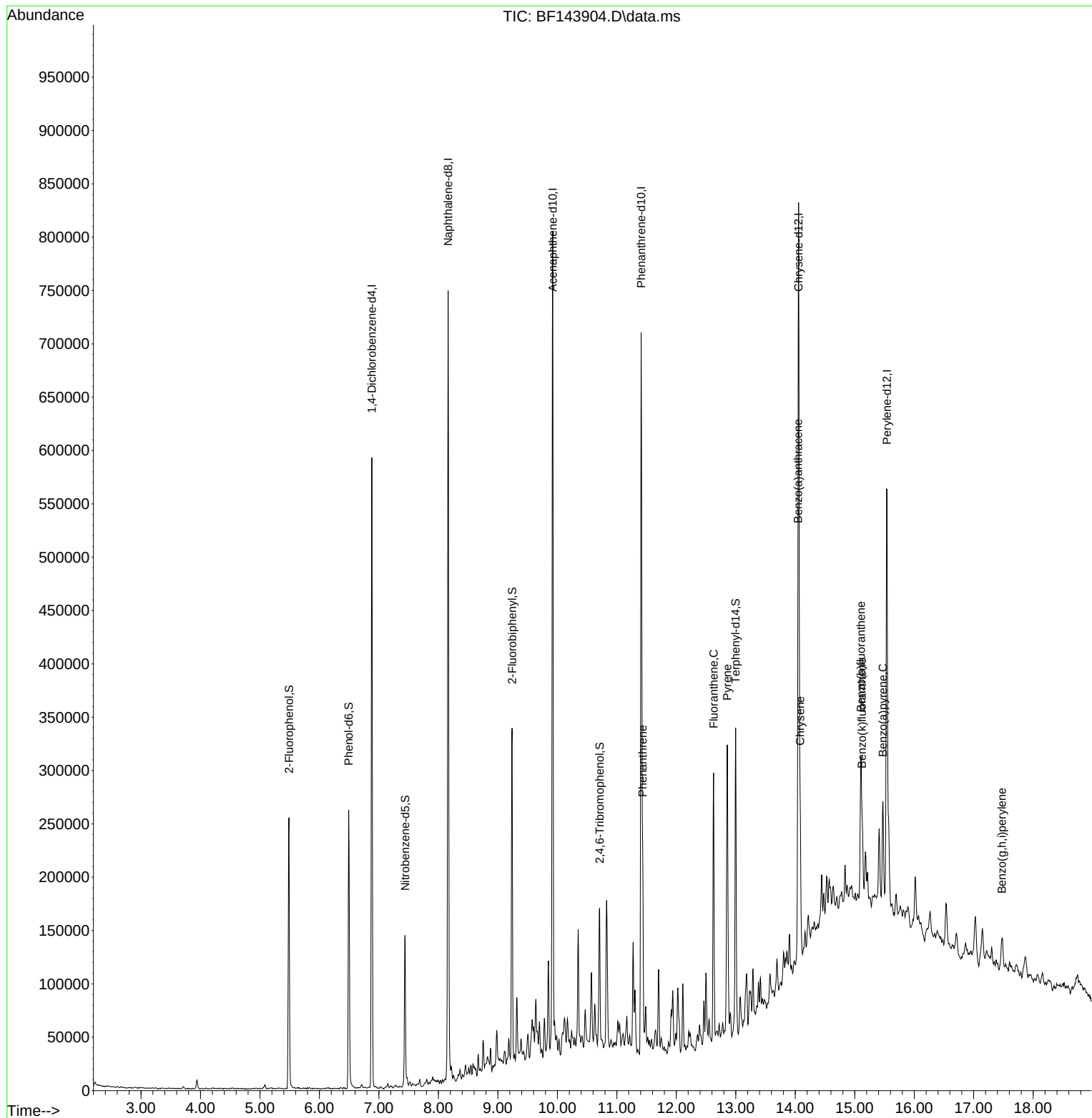
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
Data File : BF143904.D
Acq On : 08 Oct 2025 19:34
Operator : RC/JU
Sample : Q3304-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

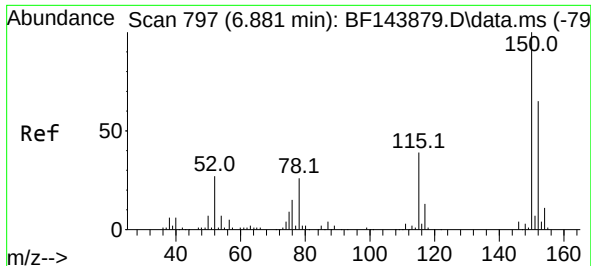
Instrument :
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TR-05-100725

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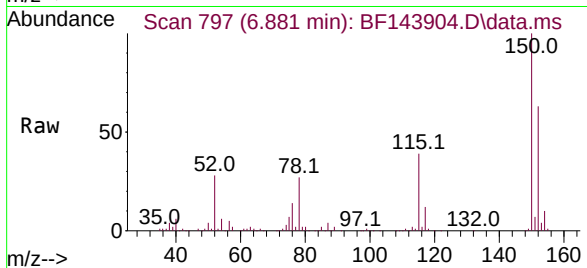
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Instrument :

BNA_F

ClientSampleId :

TR-05-100725



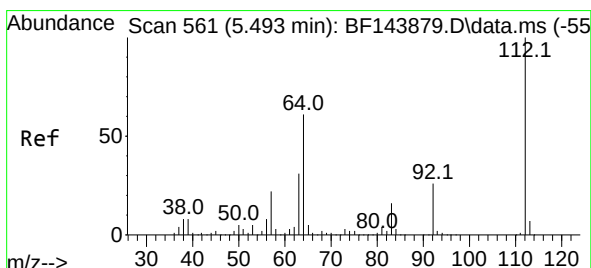
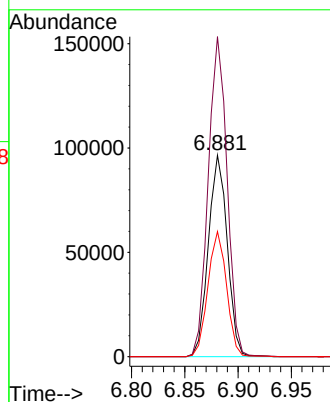
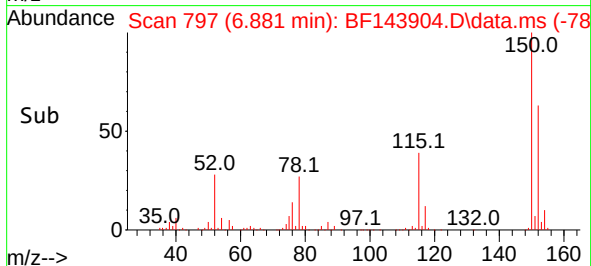
Tgt Ion:152 Resp: 119244
Ion Ratio Lower Upper
152 100
150 158.9 124.4 186.6
115 62.1 48.1 72.1

Manual Integrations

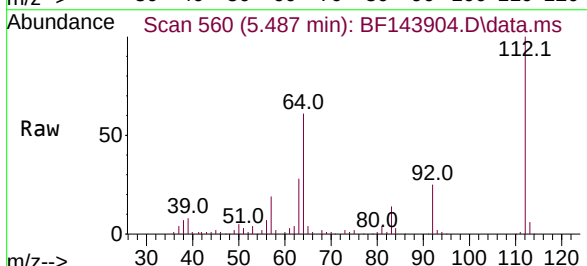
APPROVED

Reviewed By :Rahul Chavli 10/09/2025

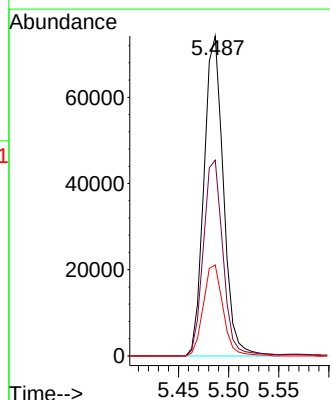
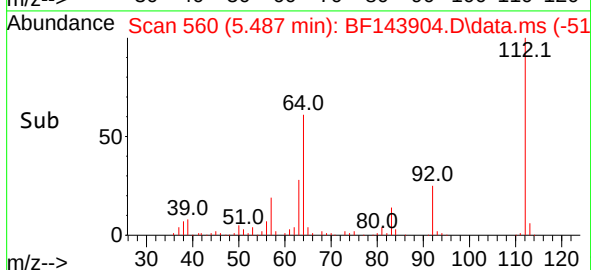
Supervised By :Jagrut Upadhyay 10/09/2025

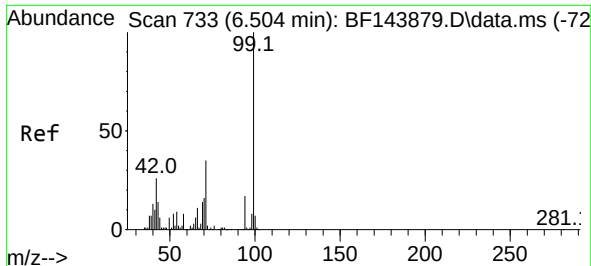


#5
2-Fluorophenol
Concen: 13.323 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34



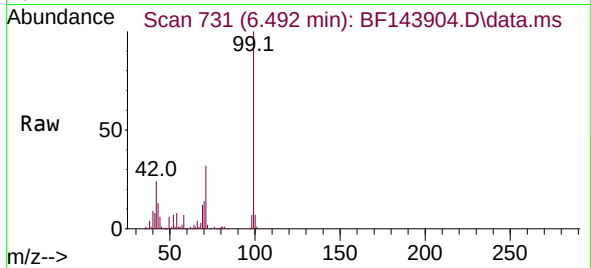
Tgt Ion:112 Resp: 100041
Ion Ratio Lower Upper
112 100
64 61.2 49.1 73.7
63 28.4 24.5 36.7





#7
Phenol-d6
Concen: 13.225 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.024 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

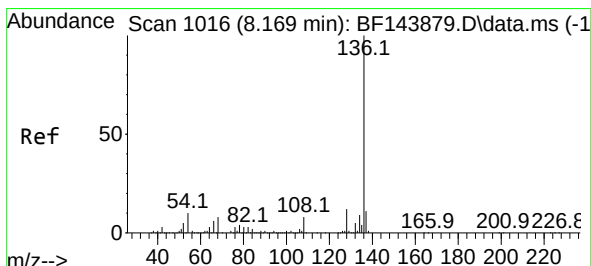
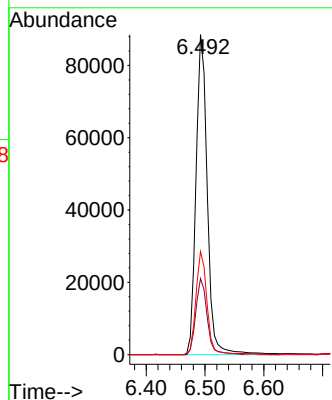
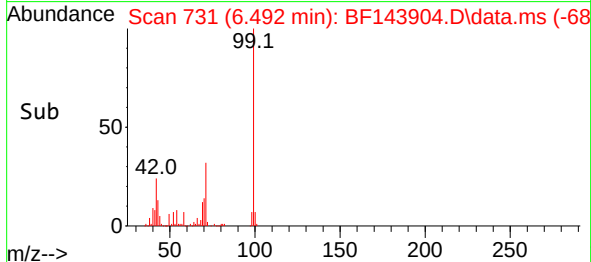
Instrument :
BNA_F
ClientSampleId :
TR-05-100725



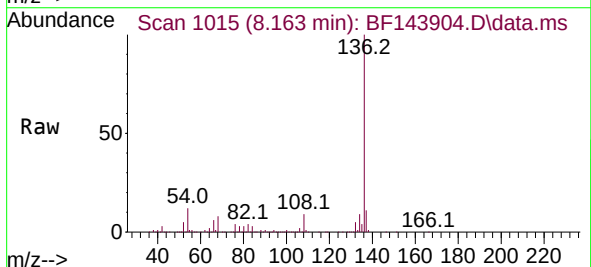
Tgt Ion: 99 Resp: 118362
Ion Ratio Lower Upper
99 100
42 23.8 21.0 31.4
71 32.2 27.8 41.8

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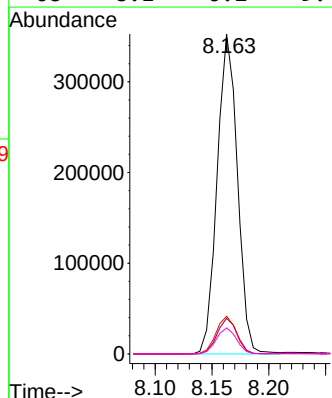
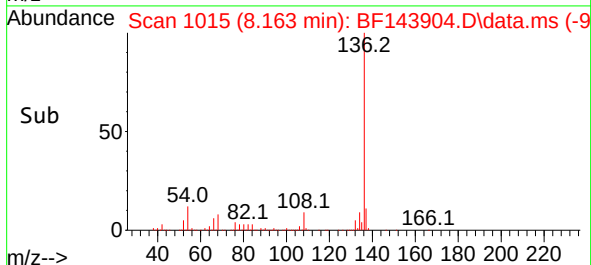
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025

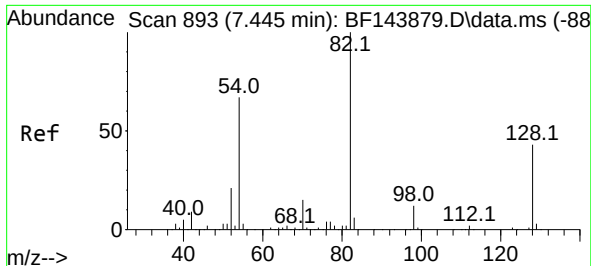


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34



Tgt Ion:136 Resp: 437893
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 11.8 8.2 12.4
68 8.1 6.2 9.4





#23

Nitrobenzene-d5

Concen: 8.461 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143904.D

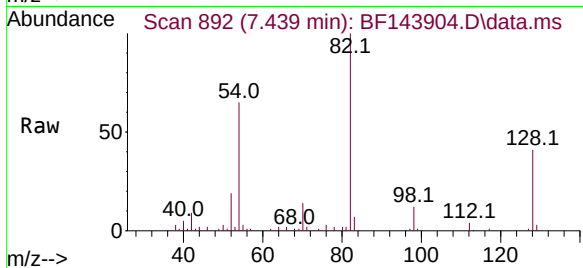
Acq: 08 Oct 2025 19:34

Instrument :

BNA_F

ClientSampleId :

TR-05-100725



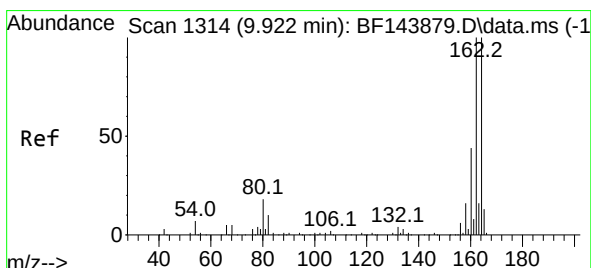
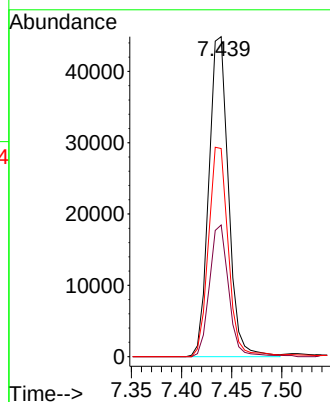
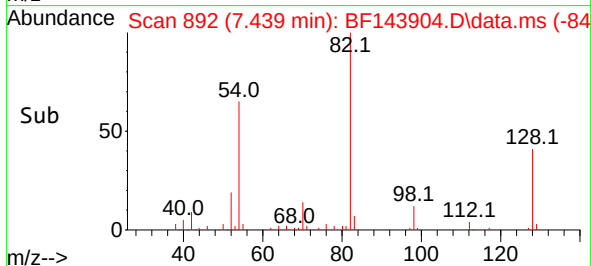
Tgt Ion:	82	Resp:	60985
Ion Ratio	Lower	Upper	
82	100		
128	41.1	34.0	51.0
54	65.0	53.2	79.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

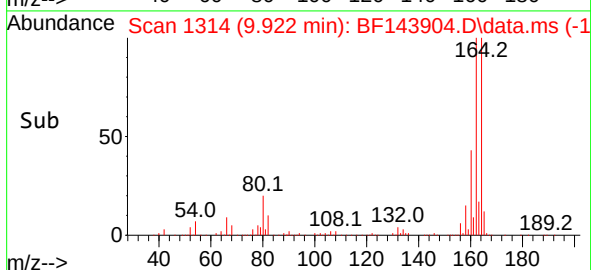
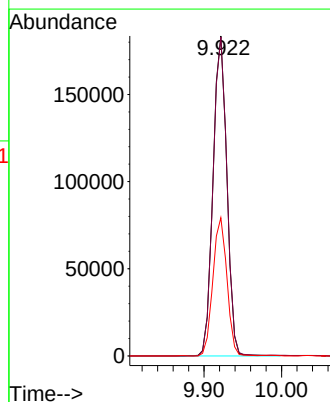
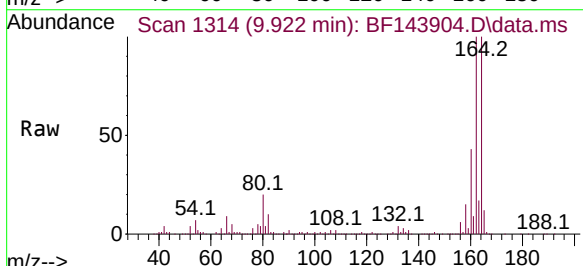
RT: 9.922 min Scan# 1314

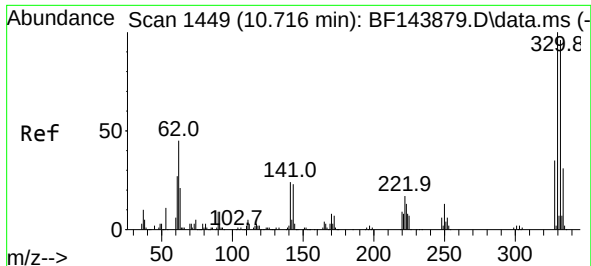
Delta R.T. -0.005 min

Lab File: BF143904.D

Acq: 08 Oct 2025 19:34

Tgt Ion:	164	Resp:	226915
Ion Ratio	Lower	Upper	
164	100		
162	99.7	80.2	120.2
160	43.2	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 10.007 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Instrument :

BNA_F

ClientSampleId :

TR-05-100725

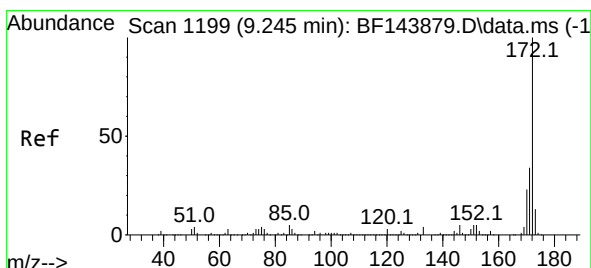
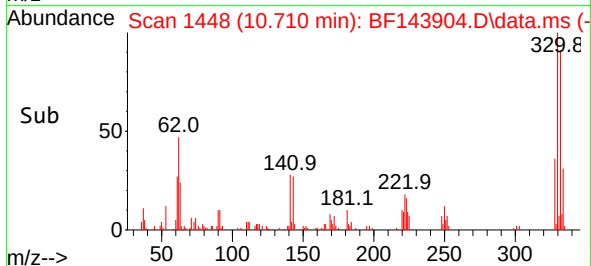
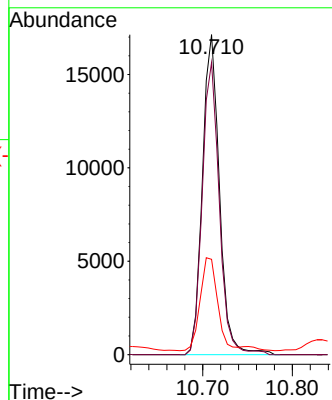
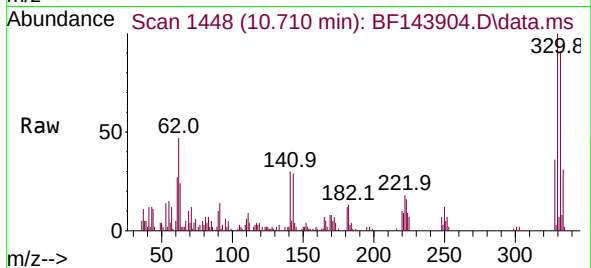
Tgt Ion:330 Resp: 22617
Ion Ratio Lower Upper
330 100
332 91.1 76.9 115.3
141 29.7 20.2 30.4

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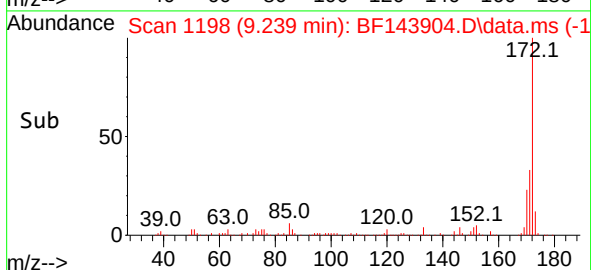
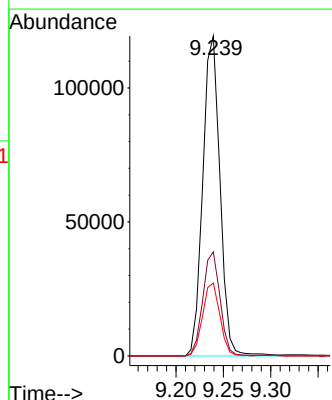
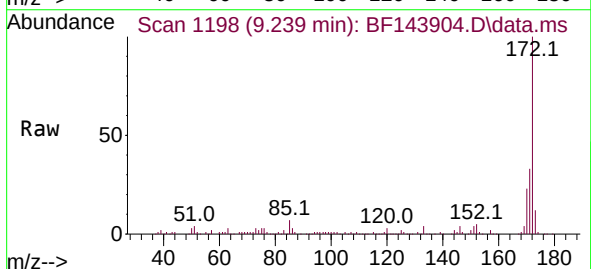
Reviewed By :Rahul Chavli 10/09/2025

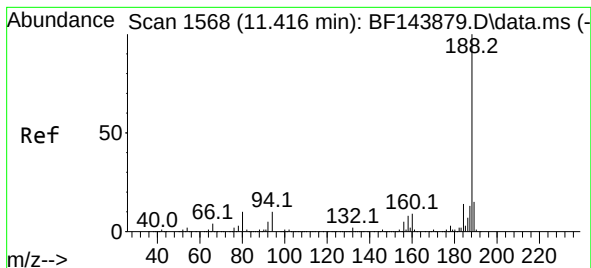
Supervised By :Jagrut Upadhyay 10/09/2025



#45
2-Fluorobiphenyl
Concen: 10.570 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Tgt Ion:172 Resp: 151152
Ion Ratio Lower Upper
172 100
171 32.5 27.4 41.0
170 22.8 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143904.D

Acq: 08 Oct 2025 19:34

Instrument :

BNA_F

ClientSampleId :

TR-05-100725

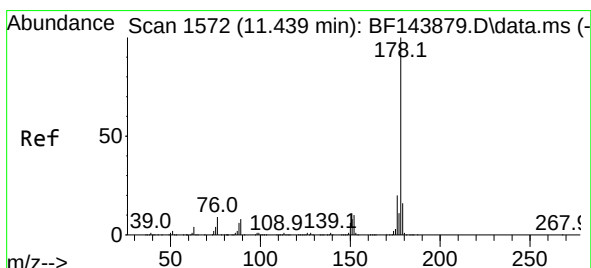
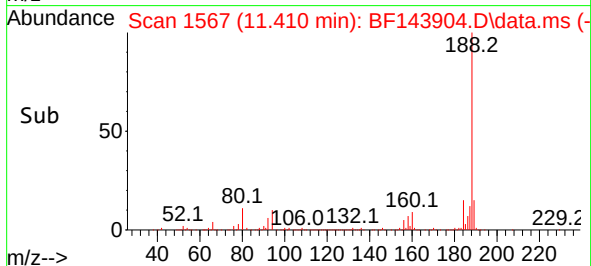
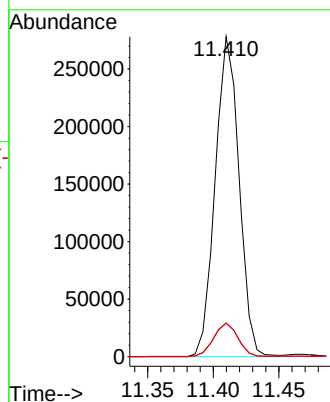
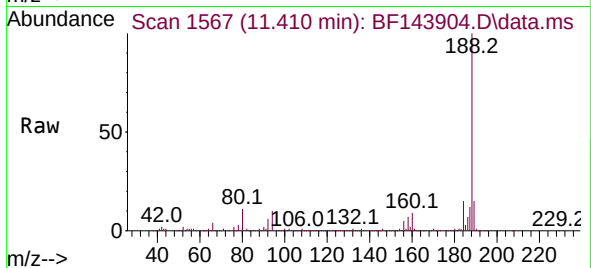
Tgt Ion:188	Resp: 35184
Ion Ratio	Lower Upper
188 100	
94 10.4	7.8 11.6
80 10.5	7.9 11.9

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#71

Phenanthrene

Concen: 5.531 ng

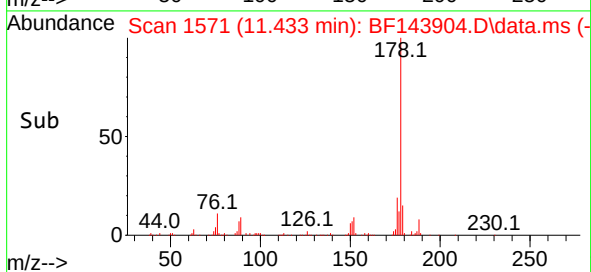
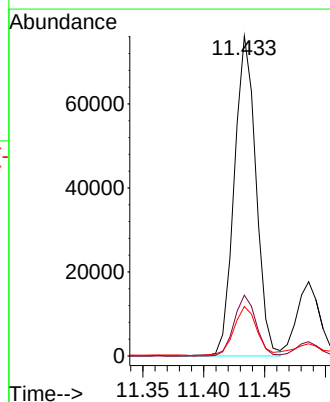
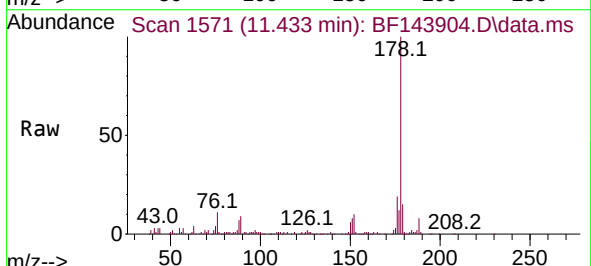
RT: 11.433 min Scan# 1571

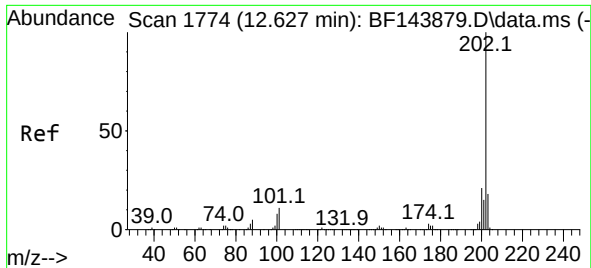
Delta R.T. -0.012 min

Lab File: BF143904.D

Acq: 08 Oct 2025 19:34

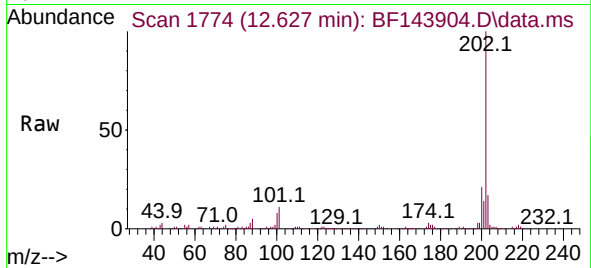
Tgt Ion:178	Resp: 94345
Ion Ratio	Lower Upper
178 100	
176 19.0	15.9 23.9
179 15.4	12.4 18.6





#75
Fluoranthene
Concen: 8.098 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

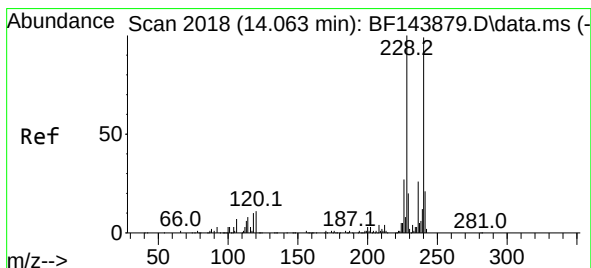
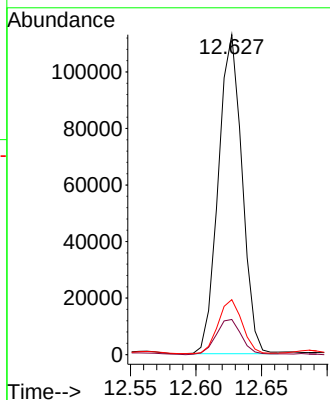
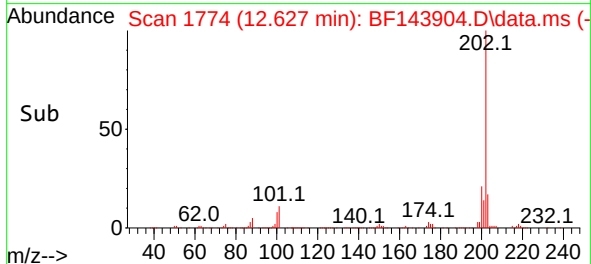
Instrument :
BNA_F
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TR-05-100725



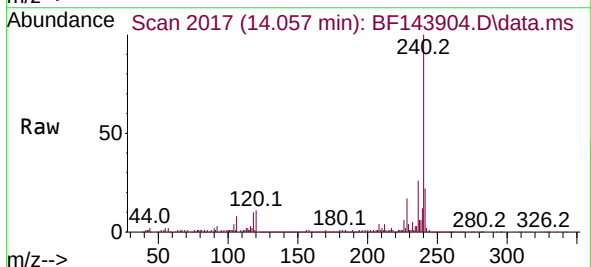
Tgt Ion:202 Resp: 142675
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.7
203 17.2 0.0 37.8

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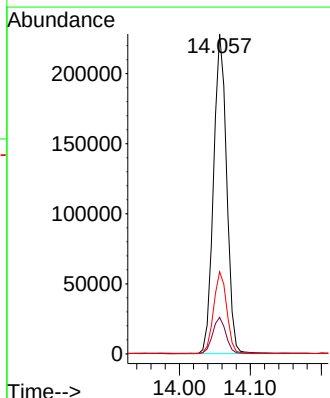
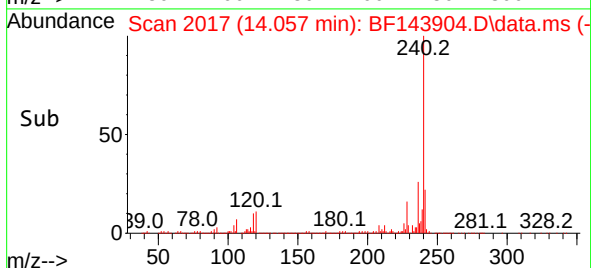
Reviewed By :Rahul Chavli 10/09/2025
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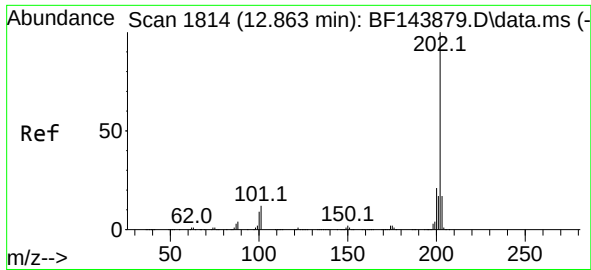


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34



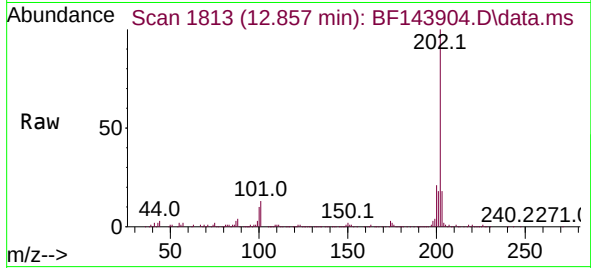
Tgt Ion:240 Resp: 293485
Ion Ratio Lower Upper
240 100
120 11.4 8.6 13.0
236 25.7 21.1 31.7





#78
Pyrene
Concen: 6.225 ng
RT: 12.857 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

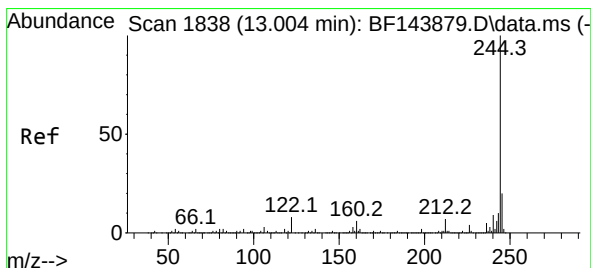
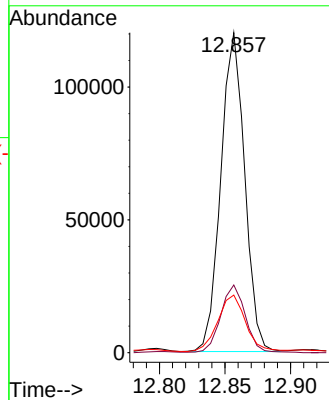
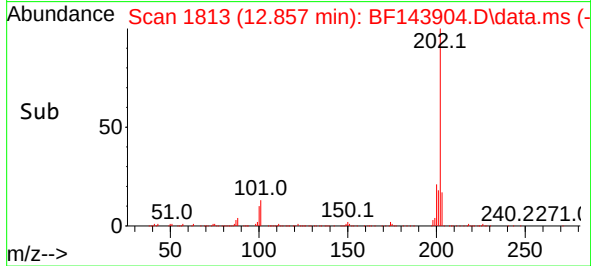
Instrument :
BNA_F
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TR-05-100725



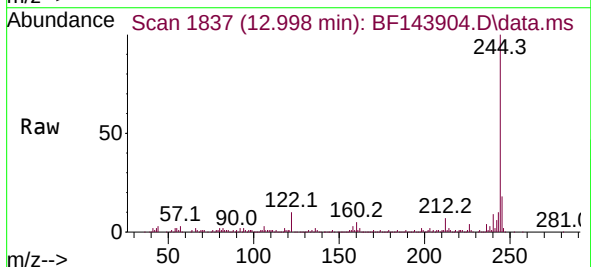
Tgt Ion:202 Resp: 152314
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 18.0 13.8 20.6

Manual Integrations
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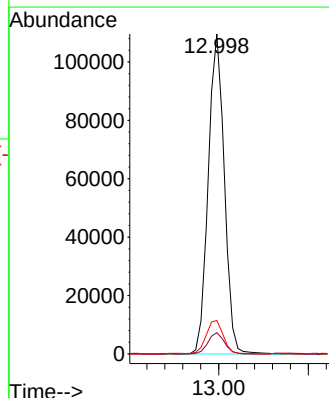
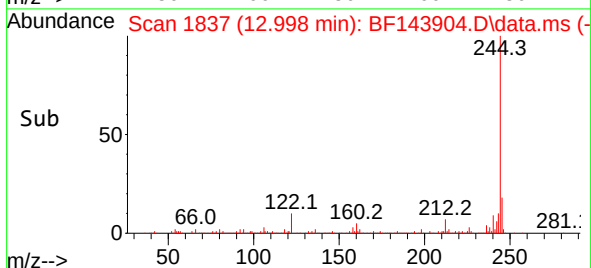
Reviewed By :Rahul Chavli 10/09/2025
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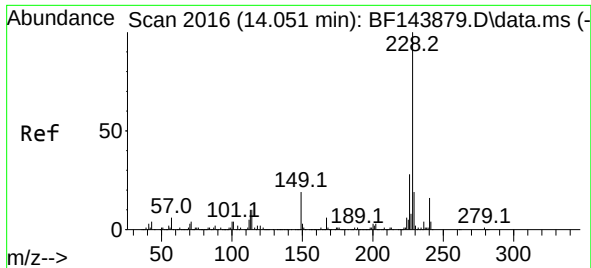


#79
Terphenyl-d14
Concen: 7.924 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34



Tgt Ion:244 Resp: 136066
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 10.4 6.4 9.6#





#81
Benzo(a)anthracene
Concen: 4.591 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Instrument :

BNA_F

ClientSampleId :

TR-05-100725

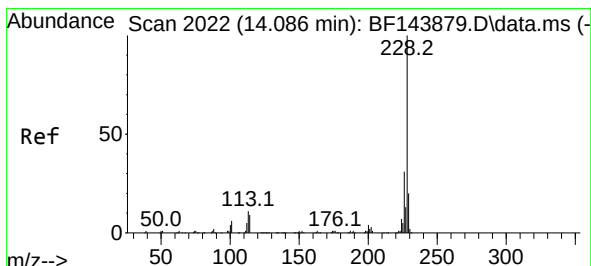
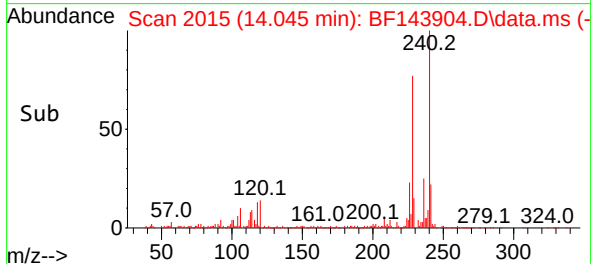
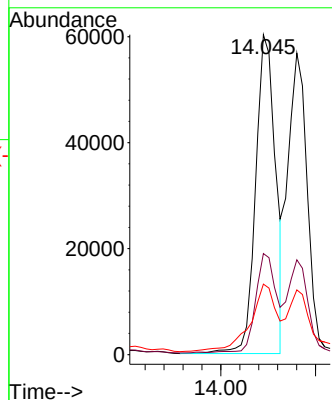
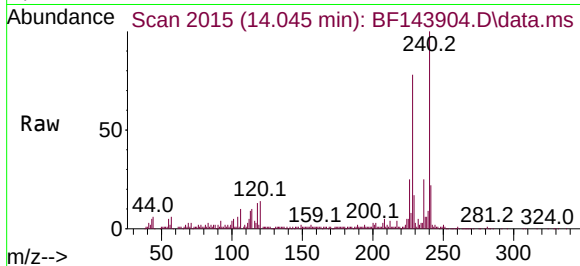
Tgt Ion:228 Resp: 88176
Ion Ratio Lower Upper
228 100
226 31.6 22.2 33.2
229 22.0 15.6 23.4

Manual Integrations

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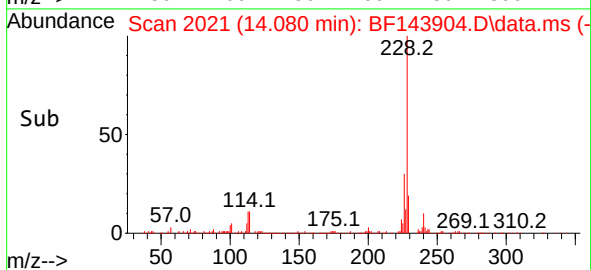
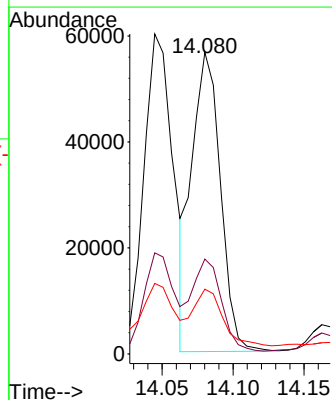
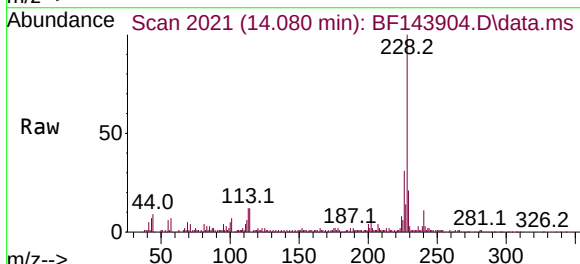
Reviewed By :Rahul Chavli 10/09/2025

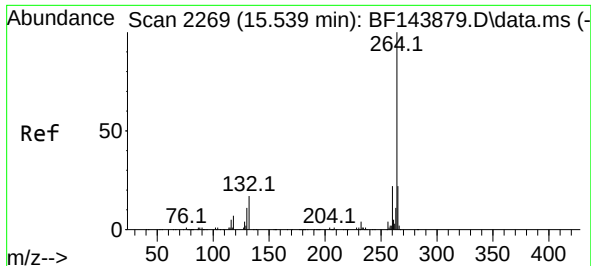
Supervised By :Jagrut Upadhyay 10/09/2025



#83
Chrysene
Concen: 4.449 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Tgt Ion:228 Resp: 79081
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 21.5 15.9 23.9





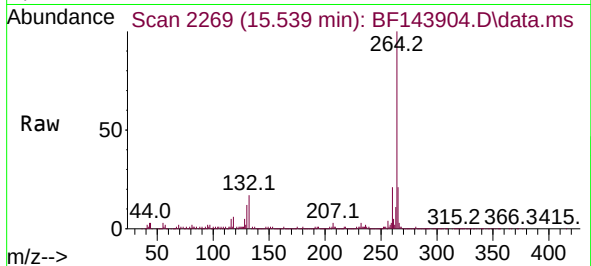
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Instrument :

BNA_F

ClientSampleId :

TR-05-100725



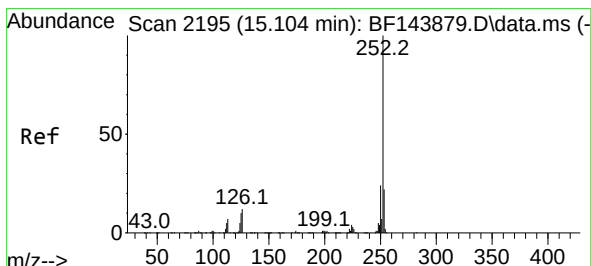
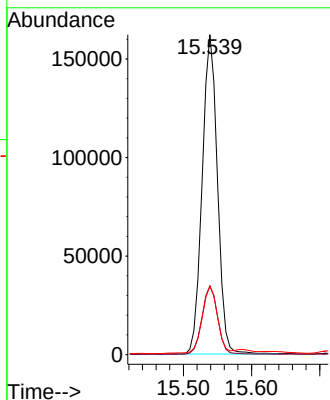
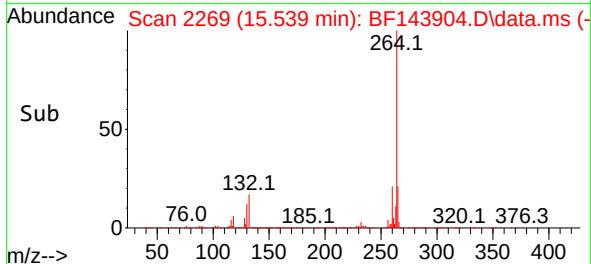
Tgt Ion:264 Resp: 252441
Ion Ratio Lower Upper
264 100
260 21.5 17.8 26.8
265 21.4 17.5 26.3

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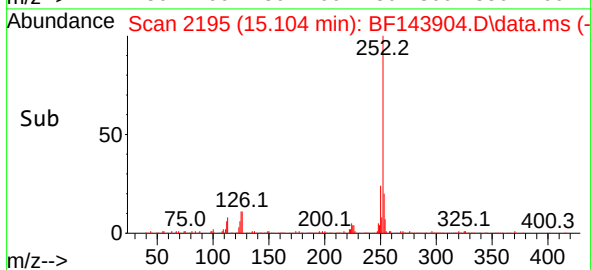
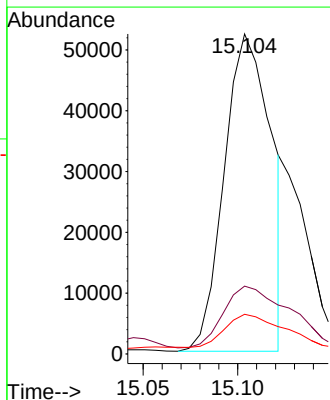
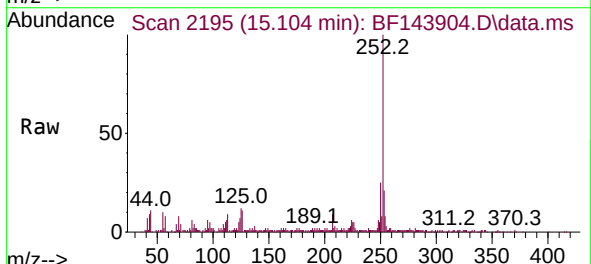
Reviewed By :Rahul Chavli 10/09/2025

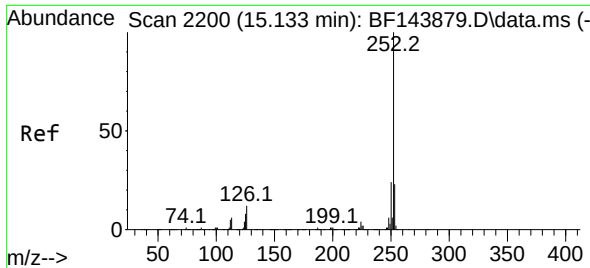
Supervised By :Jagrut Upadhyay 10/09/2025



#88
Benzo(b)fluoranthene
Concen: 6.217 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Tgt Ion:252 Resp: 90158
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.2
125 12.4 7.8 11.6#





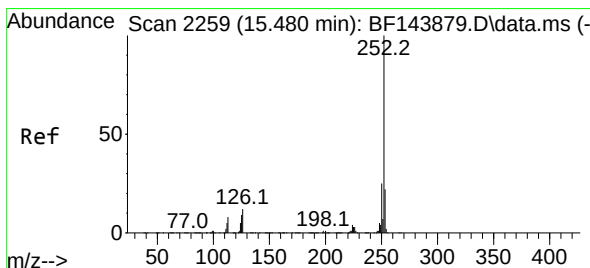
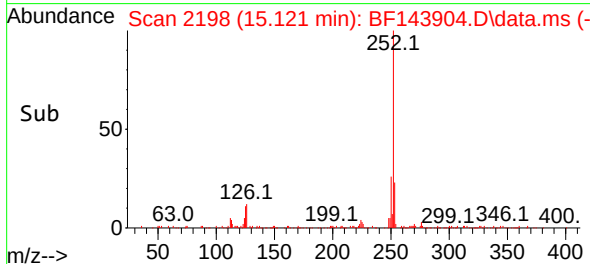
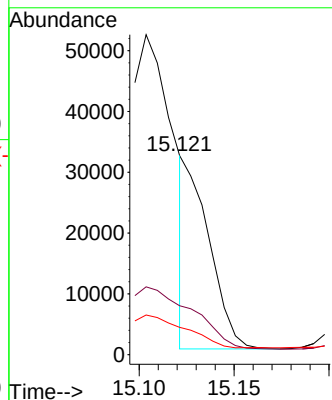
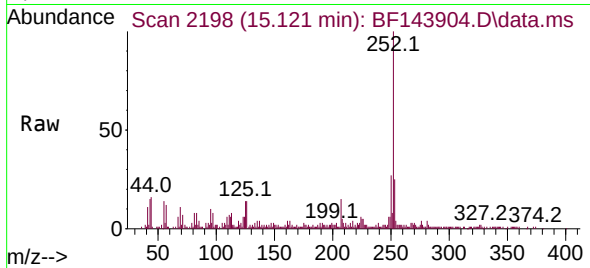
#89
Benzo(k)fluoranthene
Concen: 2.031 ng m
RT: 15.121 min Scan# 2118
Delta R.T. -0.024 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Instrument :
BNA_F
ClientSampleId :
TR-05-100725

Tgt Ion:252 Resp: 2725
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 13.7 7.4 11.2

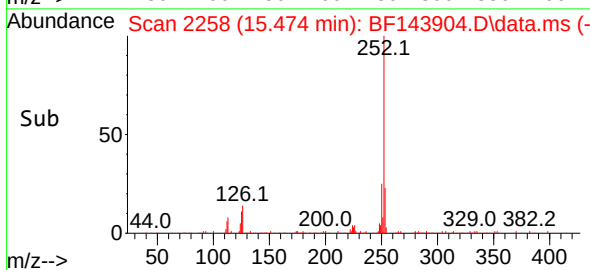
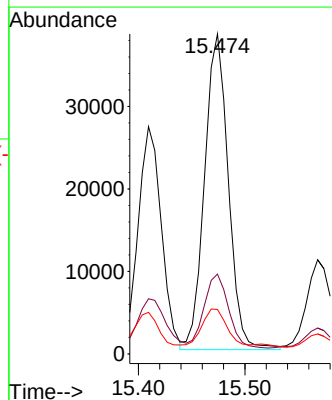
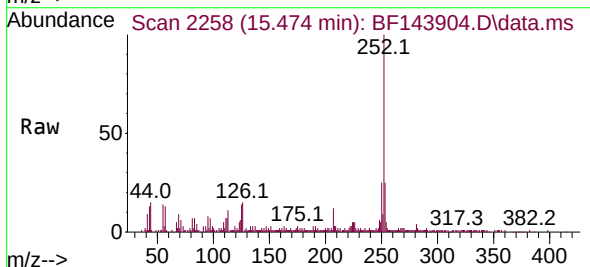
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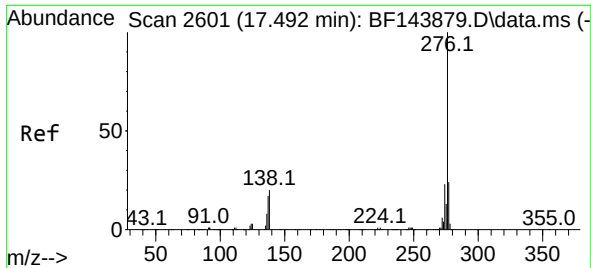
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025



#90
Benzo(a)pyrene
Concen: 4.725 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143904.D
Acq: 08 Oct 2025 19:34

Tgt Ion:252 Resp: 59412
Ion Ratio Lower Upper
252 100
253 24.9 17.3 25.9
125 13.9 7.0 10.4





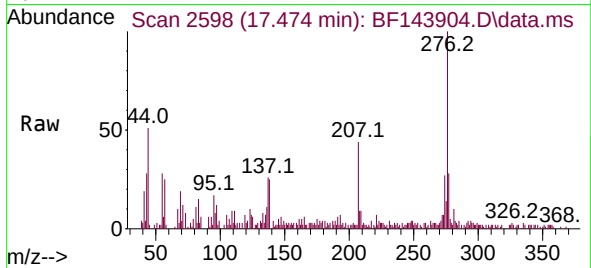
#92
 Benzo(g,h,i)perylene
 Concen: 2.226 ng
 RT: 17.474 min Scan# 2598
 Delta R.T. -0.041 min
 Lab File: BF143904.D
 Acq: 08 Oct 2025 19:34

Instrument :

BNA_F

ClientSampleId :

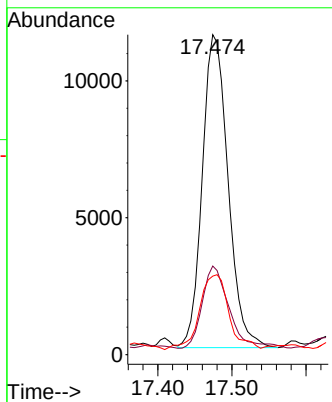
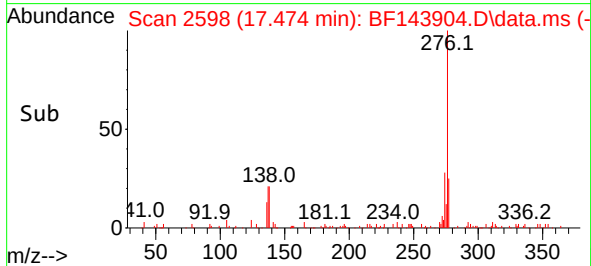
TR-05-100725



Tgt Ion: 276 Resp: 27692
 Ion Ratio Lower Upper
 276 100
 277 27.7 19.0 28.6
 138 24.5 16.1 24.1

Manual Integrations
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Reviewed By :Rahul
 Chavli



10/09/2025
 Supervised By :Jagrut
 Upadhyay

10/09/2025