

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143454.D
 Acq On : 19 Aug 2025 13:59
 Operator : RC/JU
 Sample : Q2879-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP06-081425

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

Quant Time: Aug 19 14:23:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	93502	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	282085	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	137092	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	259400	20.000	ng	0.00
76) Chrysene-d12	14.086	240	307100	20.000	ng	0.00
86) Perylene-d12	15.580	264	179616	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	441466	82.074	ng	0.00
7) Phenol-d6	6.557	99	544998	80.400	ng	0.00
23) Nitrobenzene-d5	7.481	82	320998	67.525	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	131990	108.169	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	548973	67.354	ng	0.00
79) Terphenyl-d14	13.027	244	797904	43.646	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	87046	6.197	ng	100
75) Fluoranthene	12.663	202	237722	19.046	ng	99
78) Pyrene	12.892	202	206472	7.735	ng	98
81) Benzo(a)anthracene	14.080	228	129626	6.630	ng	95
83) Chrysene	14.116	228	114265	6.322	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	40670	4.332	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	38371	2.849	ng	93
88) Benzo(b)fluoranthene	15.145	252	114300m	11.873	ng	
89) Benzo(k)fluoranthene	15.163	252	31041m	3.269	ng	
90) Benzo(a)pyrene	15.515	252	59661	6.507	ng	# 92
92) Benzo(g,h,i)perylene	17.562	276	38729	3.584	ng	94

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

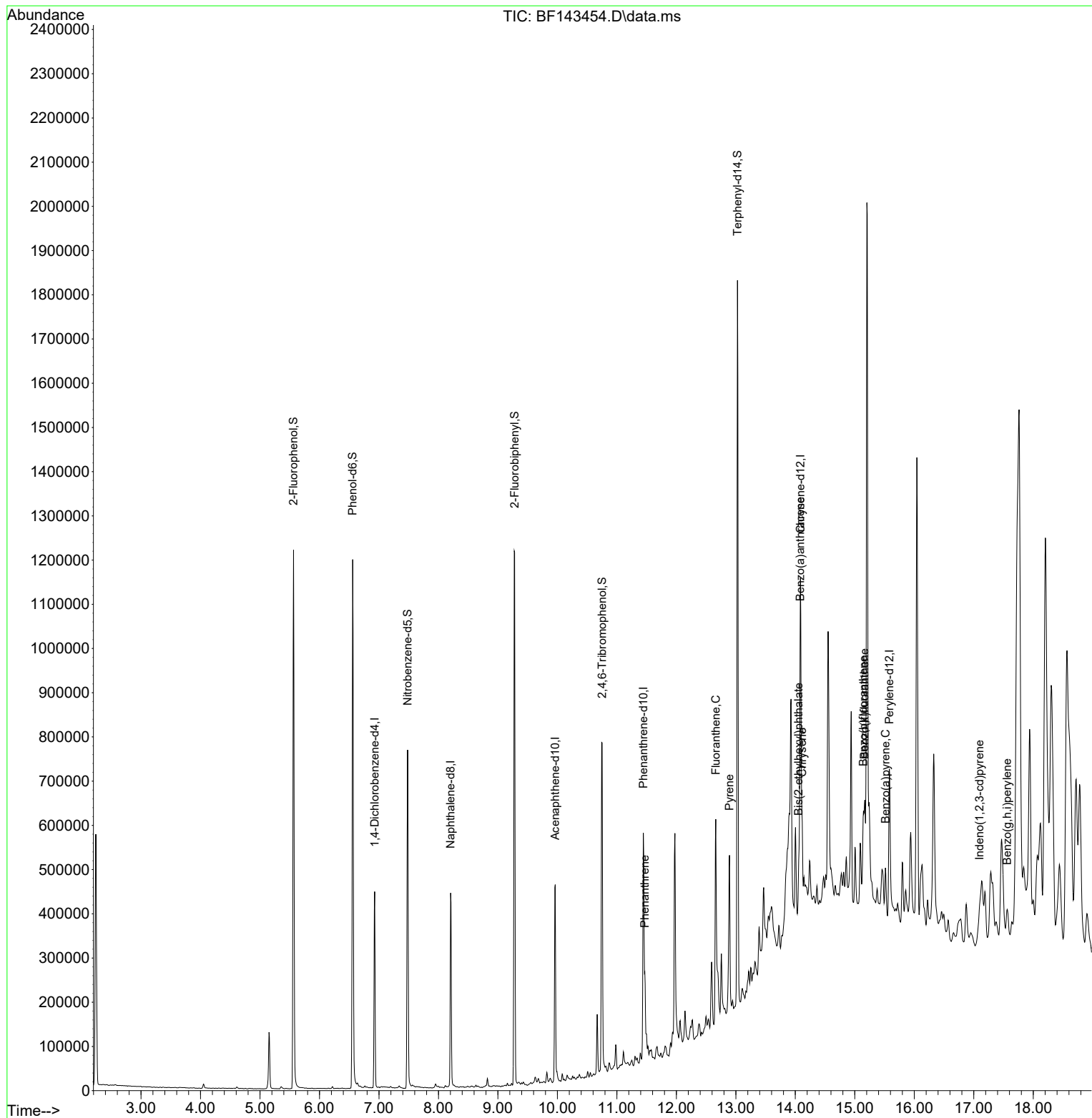
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143454.D
Acq On : 19 Aug 2025 13:59
Operator : RC/JU
Sample : Q2879-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

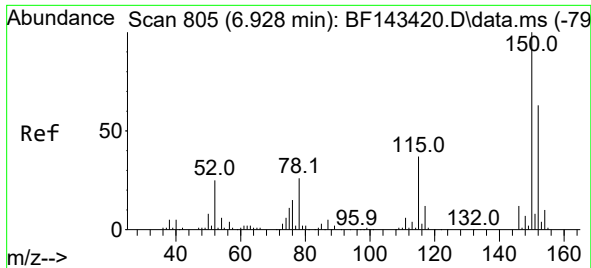
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Quant Time: Aug 19 14:23:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
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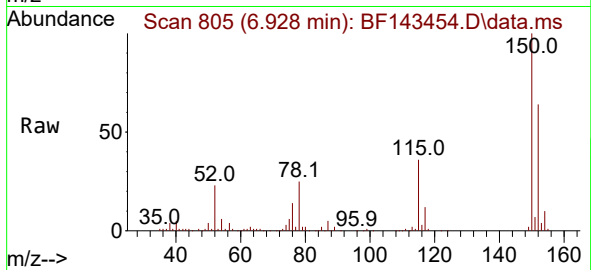
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143454.D
 Acq: 19 Aug 2025 13:59

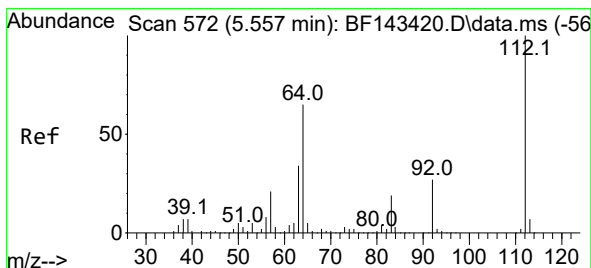
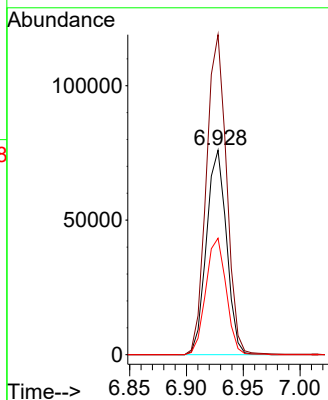
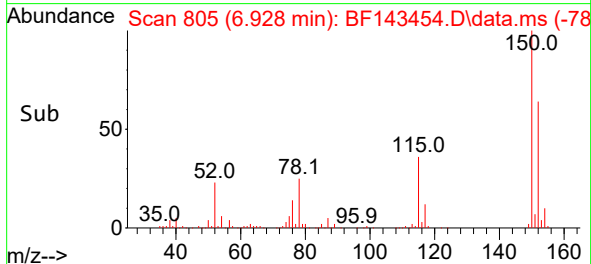
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP06-081425



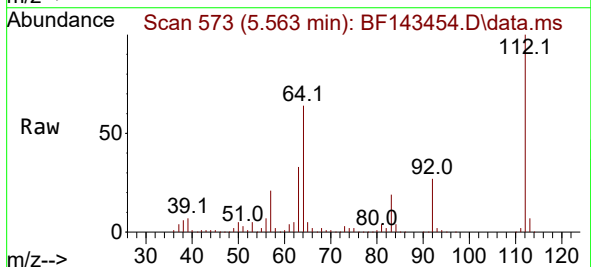
Tgt Ion:152 Resp: 93502
 Ion Ratio Lower Upper
 152 100
 150 156.5 127.4 191.2
 115 57.0 47.5 71.3

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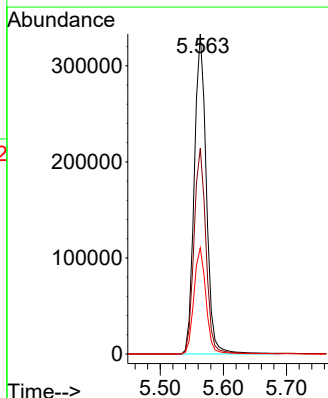
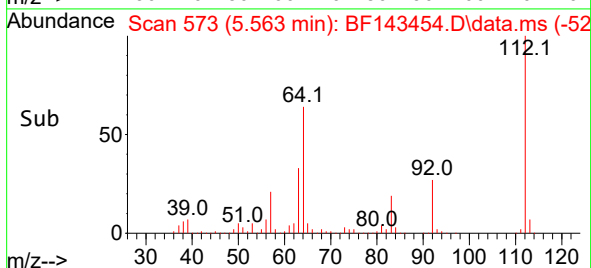
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

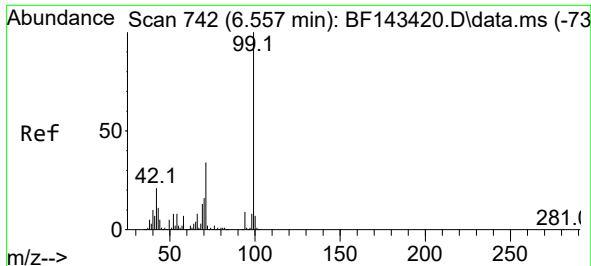


#5
 2-Fluorophenol
 Concen: 82.074 ng
 RT: 5.563 min Scan# 573
 Delta R.T. 0.006 min
 Lab File: BF143454.D
 Acq: 19 Aug 2025 13:59



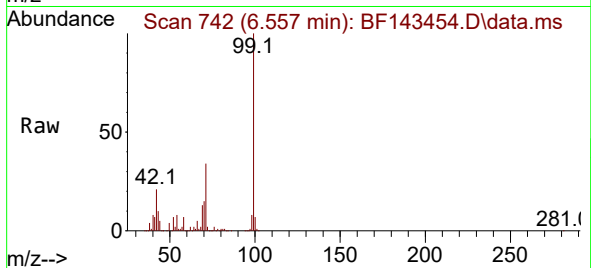
Tgt Ion:112 Resp: 441466
 Ion Ratio Lower Upper
 112 100
 64 64.3 52.2 78.2
 63 33.2 27.0 40.6





#7
Phenol-d6
Concen: 80.400 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

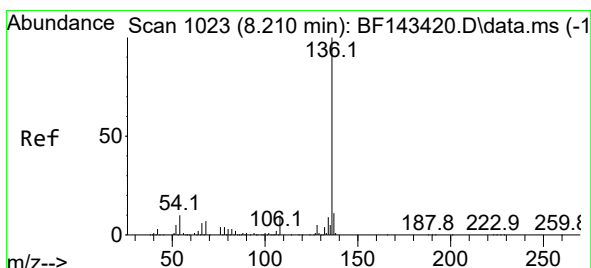
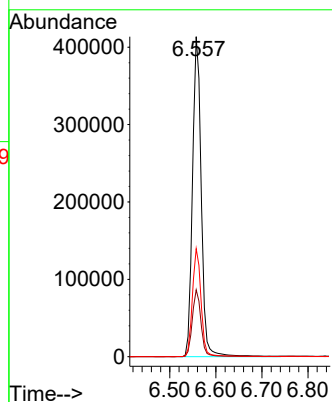
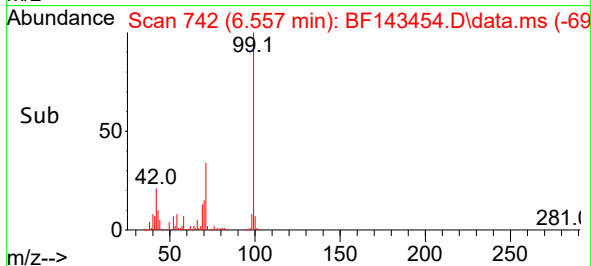
Instrument :
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ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



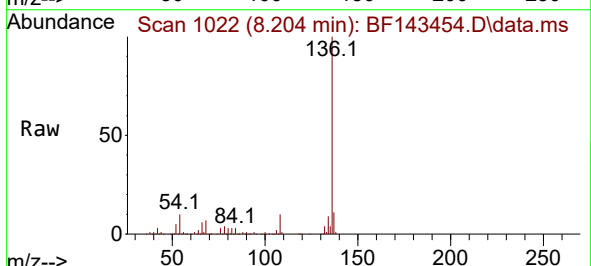
Tgt Ion: 99 Resp: 544998
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 33.8 27.4 41.2

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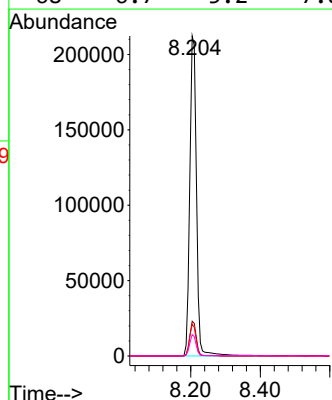
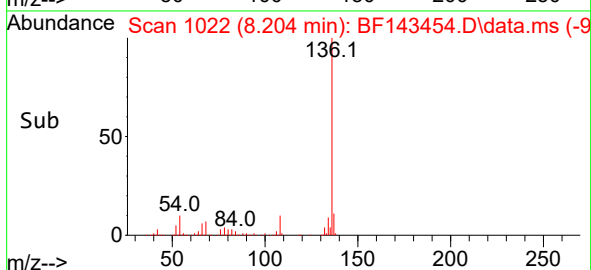
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

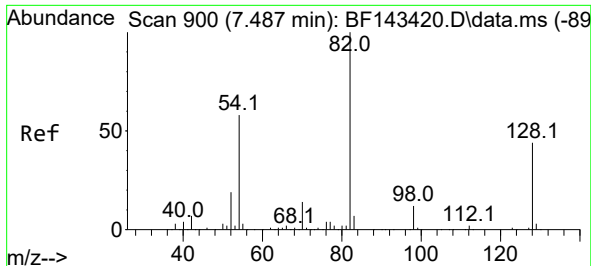


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59



Tgt Ion:136 Resp: 282085
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.0 7.8 11.8
68 6.7 5.2 7.8





#23

Nitrobenzene-d5

Concen: 67.525 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143454.D

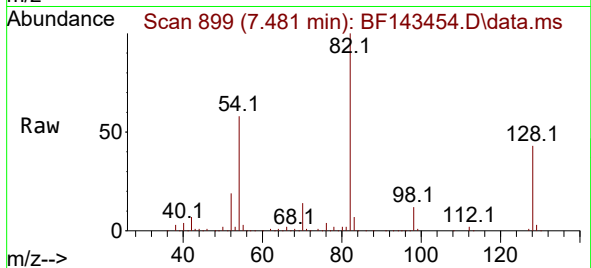
Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425



Tgt Ion: 82 Resp: 320998

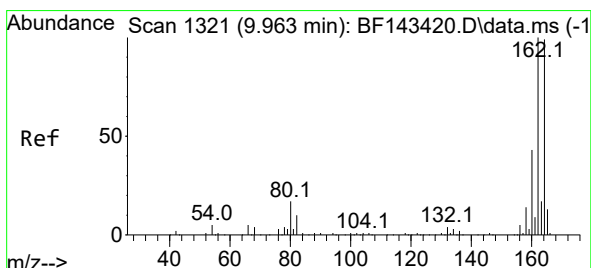
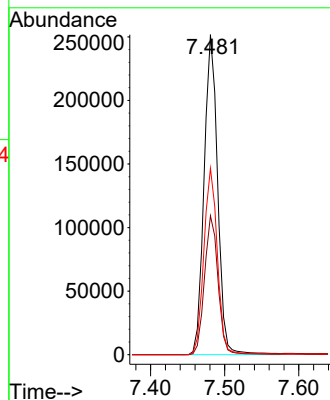
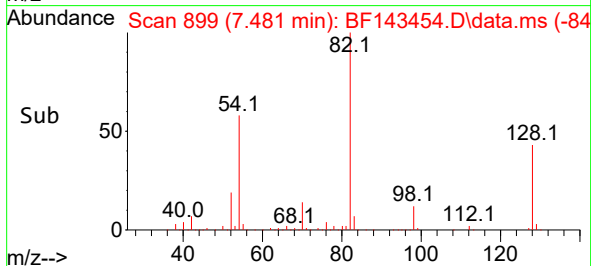
Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.6	52.0
54	58.3	46.0	69.0

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Supervised By :Jagrut Upadhyay 08/20/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

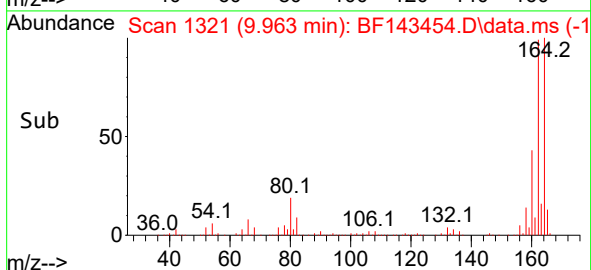
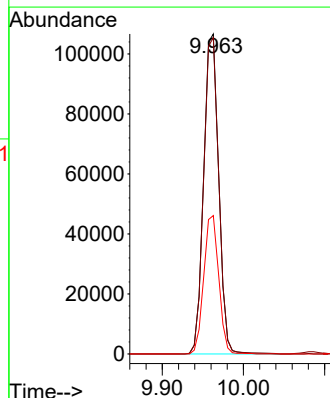
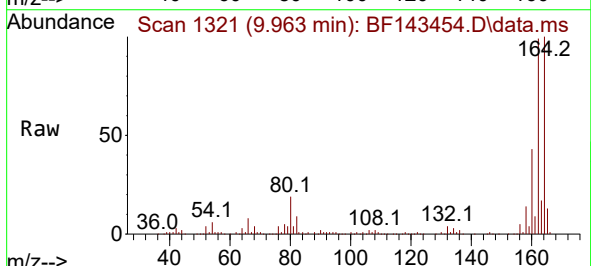
Delta R.T. -0.000 min

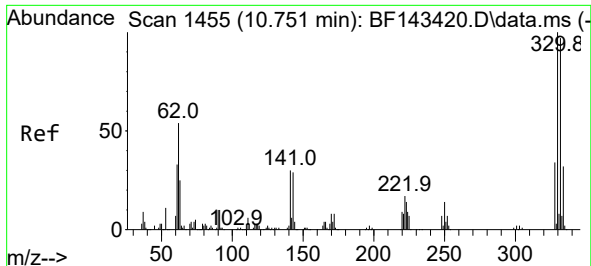
Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Tgt Ion:164 Resp: 137092

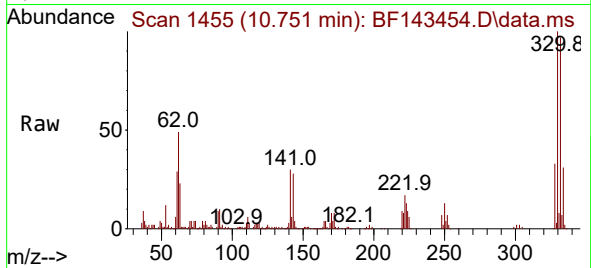
Ion	Ratio	Lower	Upper
164	100		
162	98.8	80.6	121.0
160	43.2	34.6	51.8





#42
2,4,6-Tribromophenol
Concen: 108.169 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

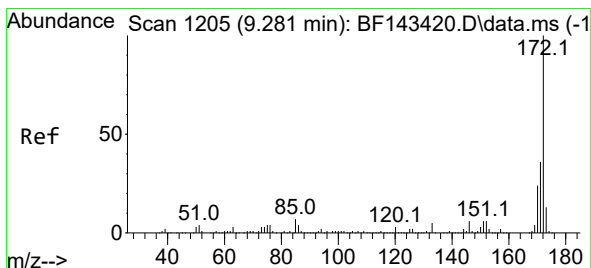
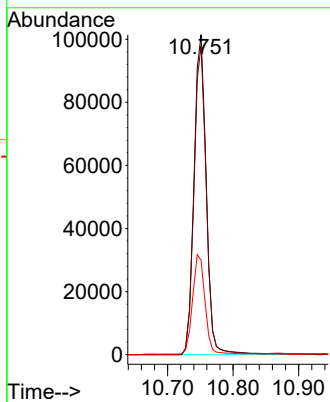
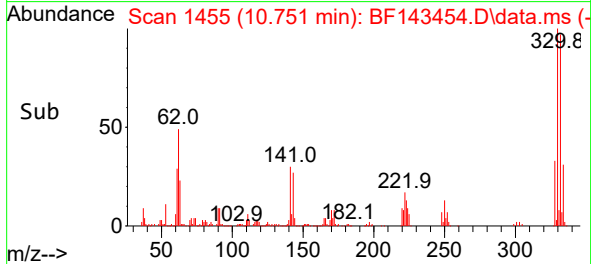
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



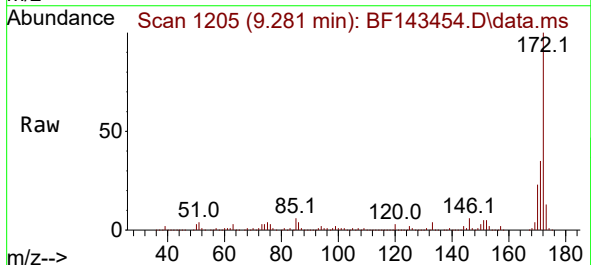
Tgt Ion: 330 Resp: 131990
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.2
141 31.4 24.1 36.1

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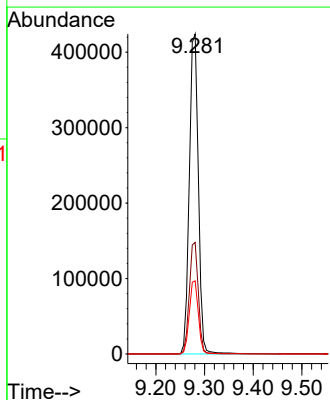
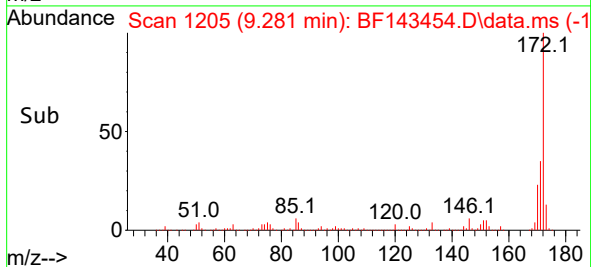
Reviewed By :Rahul Chavli 08/20/2025
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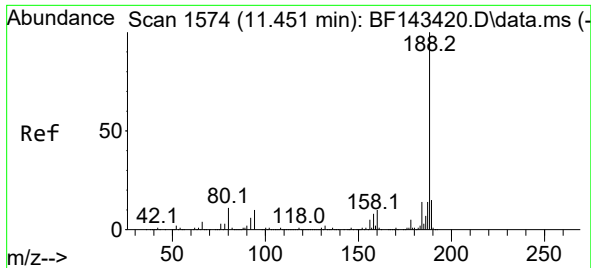


#45
2-Fluorobiphenyl
Concen: 67.354 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59



Tgt Ion: 172 Resp: 548973
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 22.9 19.0 28.6





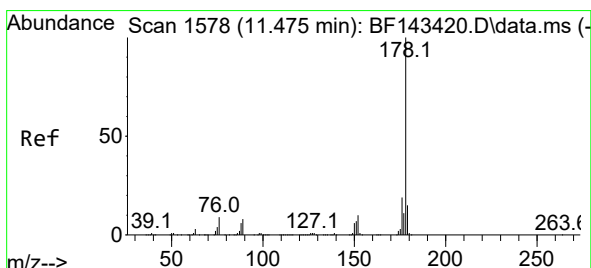
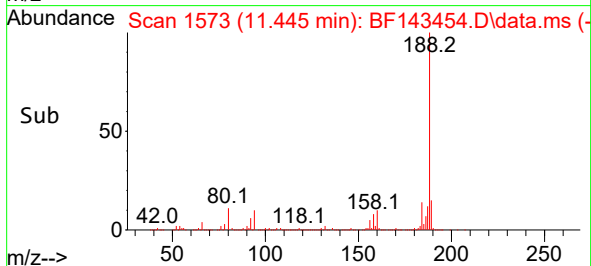
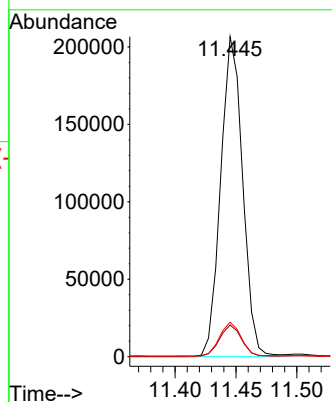
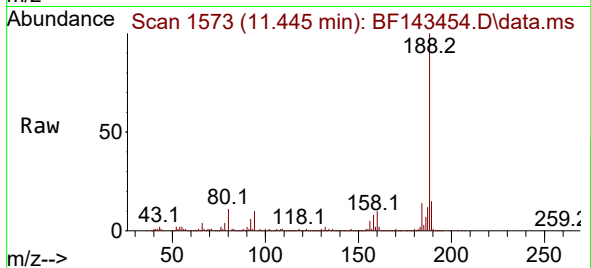
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:188 Resp: 259400
Ion Ratio Lower Upper
188 100
94 9.9 8.0 12.0
80 10.8 8.6 12.8

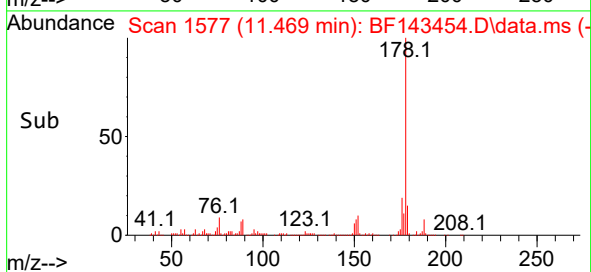
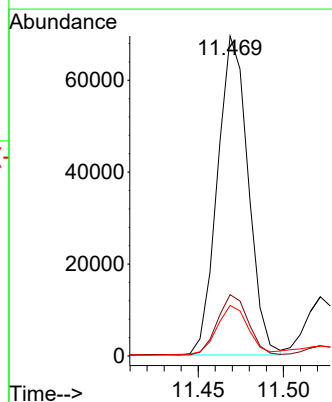
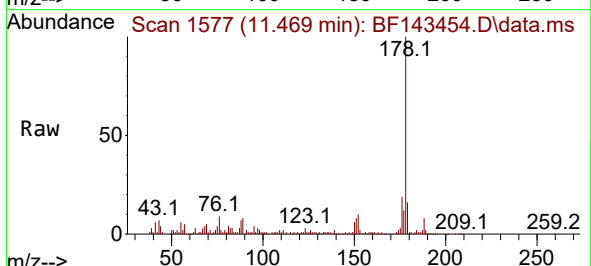
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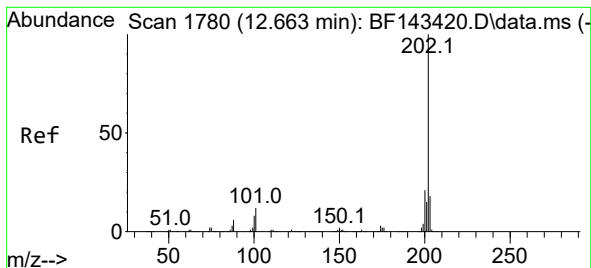
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#71
Phenanthrene
Concen: 6.197 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Tgt Ion:178 Resp: 87046
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.8 12.3 18.5





#75

Fluoranthene

Concen: 19.046 ng

RT: 12.663 min Scan# 1780

Delta R.T. -0.000 min

Lab File: BF143454.D

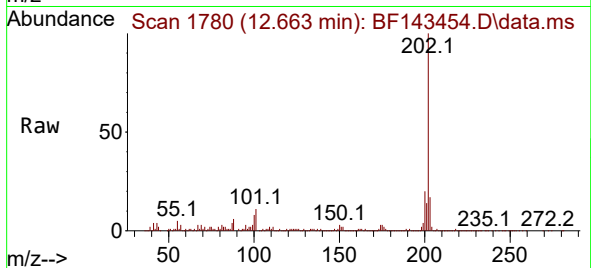
Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425



Tgt Ion:202 Resp: 23772

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.5

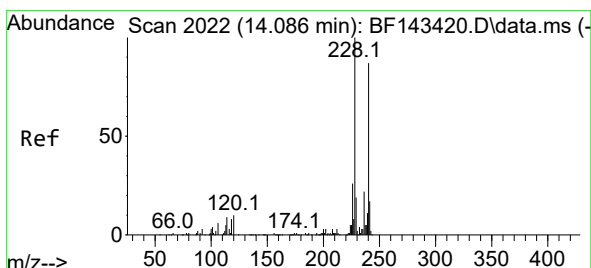
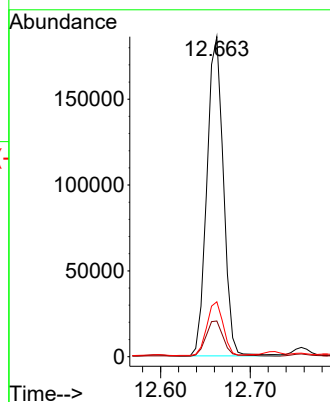
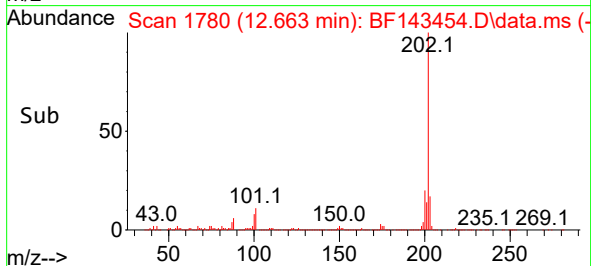
203 17.2 0.0 37.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

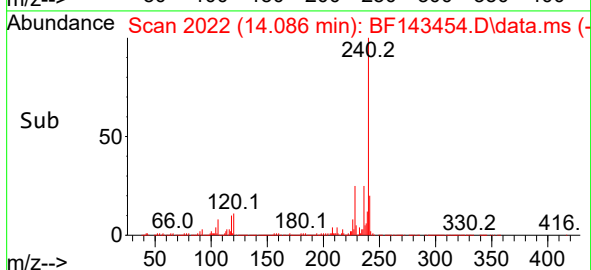
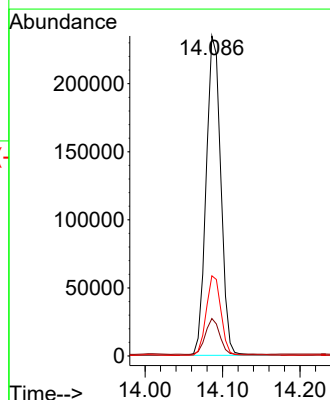
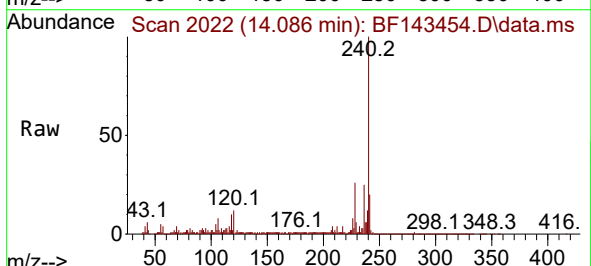
Tgt Ion:240 Resp: 307100

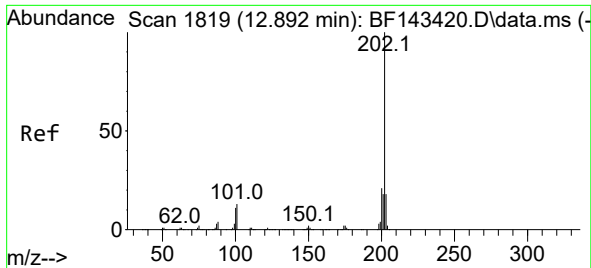
Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.4

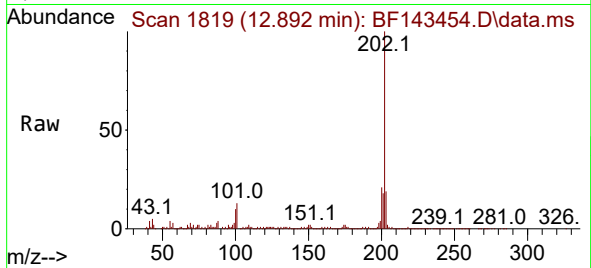
236 25.1 20.2 30.2





#78
 Pyrene
 Concen: 7.735 ng
 RT: 12.892 min Scan# 1819
 Delta R.T. -0.000 min
 Lab File: BF143454.D
 Acq: 19 Aug 2025 13:59

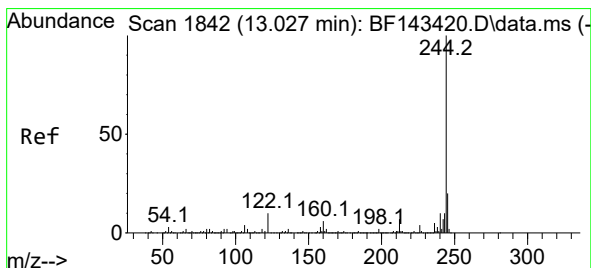
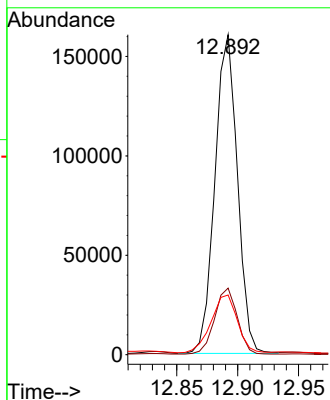
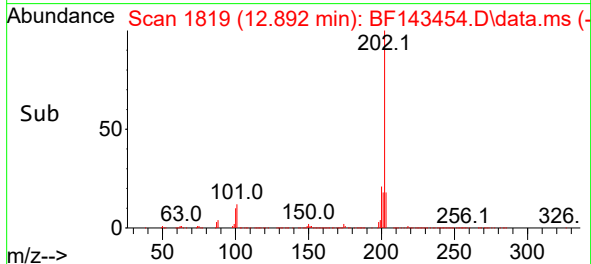
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP06-081425



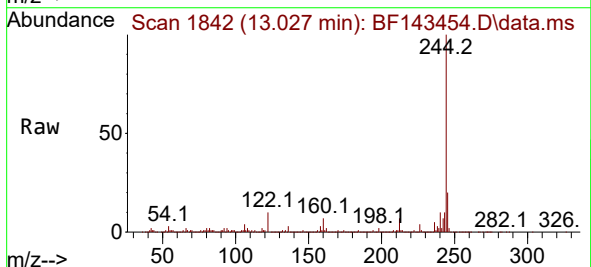
Tgt Ion:202 Resp: 206472
 Ion Ratio Lower Upper
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 200 20.8 17.1 25.7
 203 18.7 14.2 21.2

Manual Integrations
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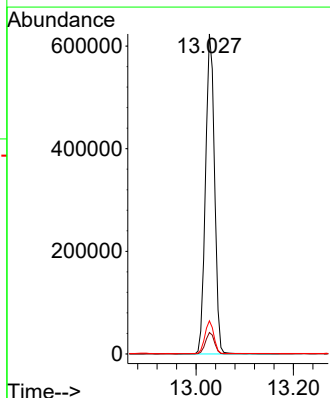
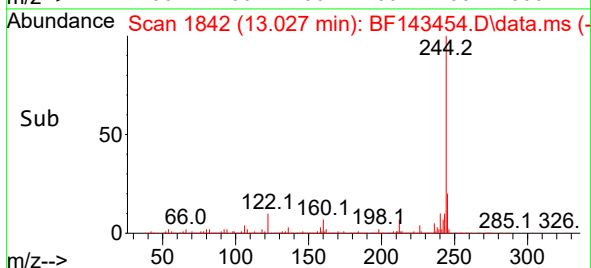
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

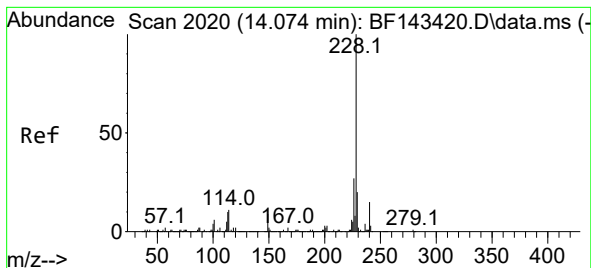


#79
 Terphenyl-d14
 Concen: 43.646 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143454.D
 Acq: 19 Aug 2025 13:59



Tgt Ion:244 Resp: 797904
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.4 8.3 12.5





#81

Benzo(a)anthracene

Concen: 6.630 ng

RT: 14.080 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

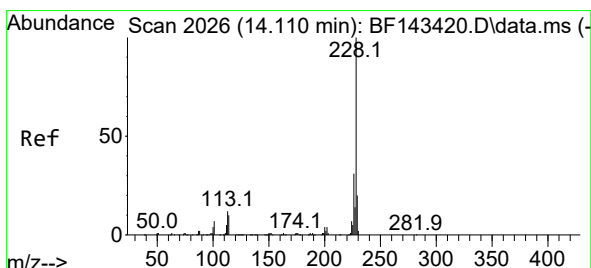
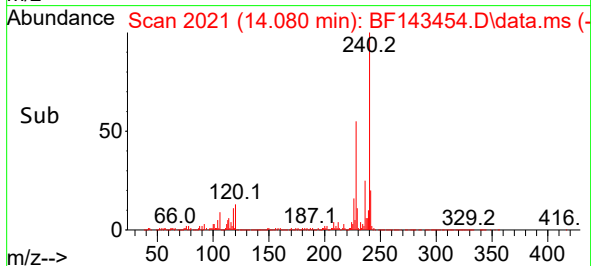
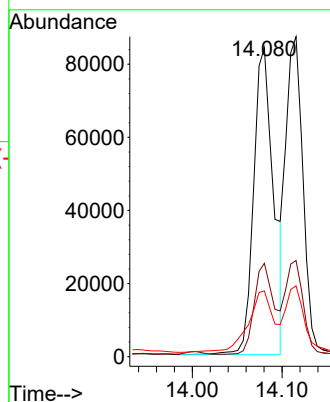
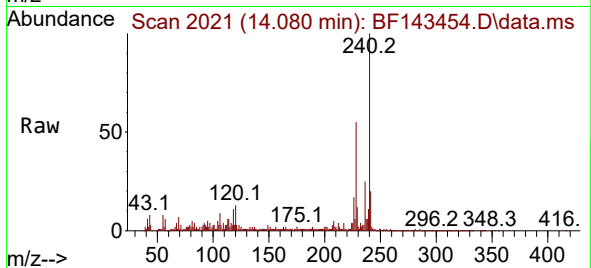
Tgt Ion:228 Resp: 129620
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.5 32.3
 229 21.3 15.7 23.5

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Supervised By :Jagrut Upadhyay 08/20/2025



#83

Chrysene

Concen: 6.322 ng

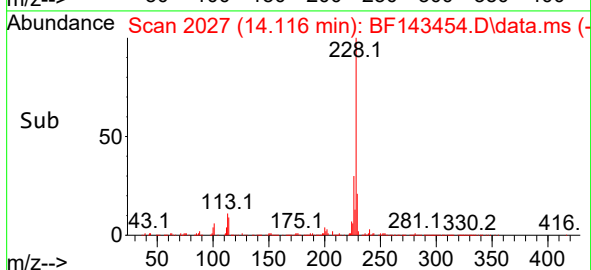
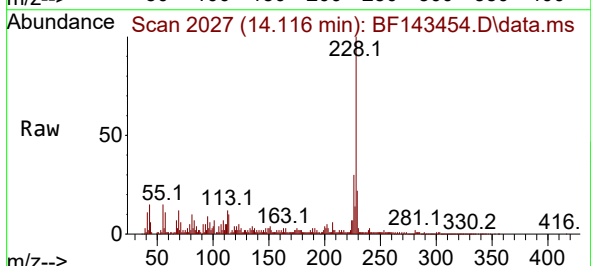
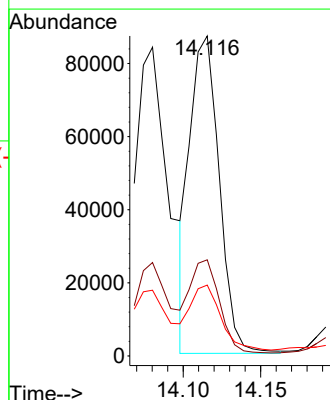
RT: 14.116 min Scan# 2027

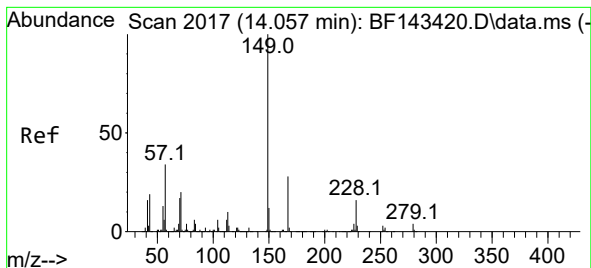
Delta R.T. 0.006 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

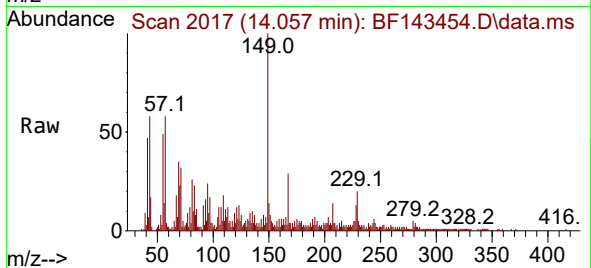
Tgt Ion:228 Resp: 114265
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.3 36.5
 229 22.2 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.332 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

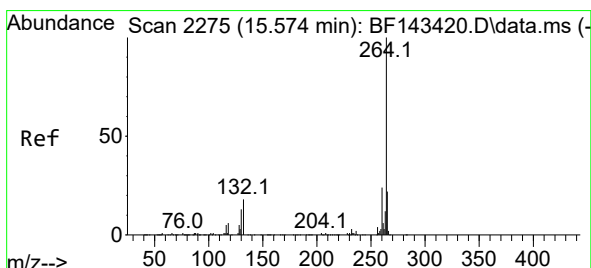
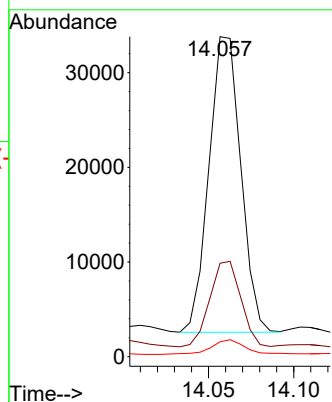
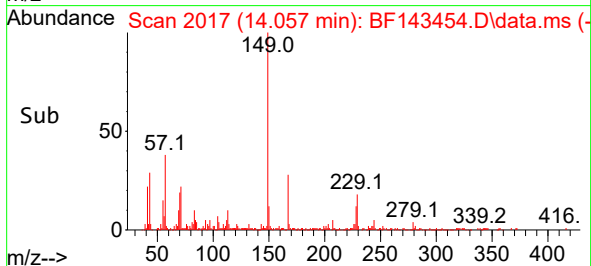
Instrument : BNA_F
ClientSampleId : OU4-TS-GRILLO-TSCP06-081425



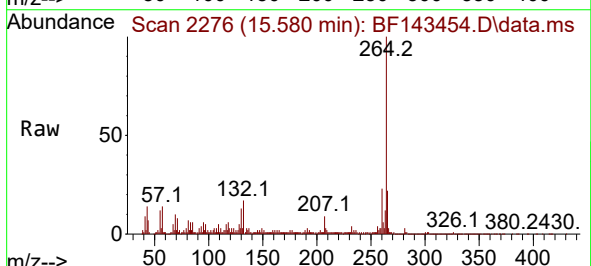
Tgt Ion:149 Resp: 40670
Ion Ratio Lower Upper
149 100
167 29.2 22.6 33.8
279 4.6 3.5 5.3

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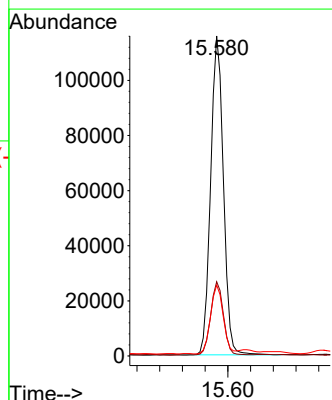
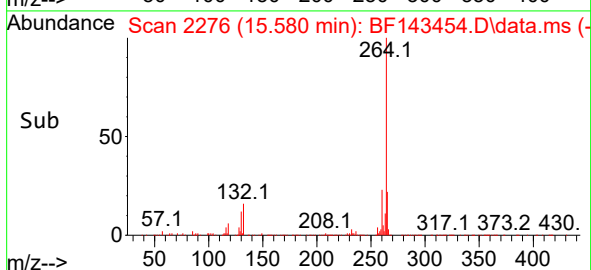
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

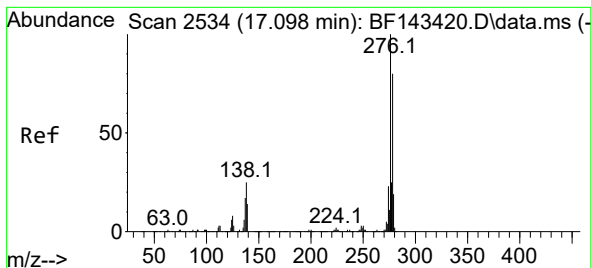


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59



Tgt Ion:264 Resp: 179616
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 22.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.849 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

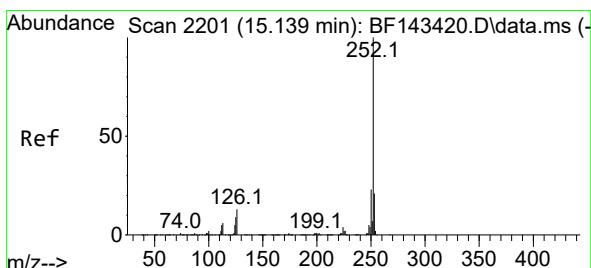
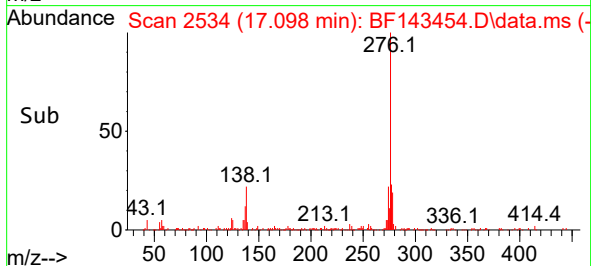
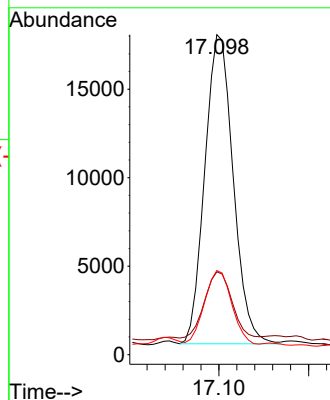
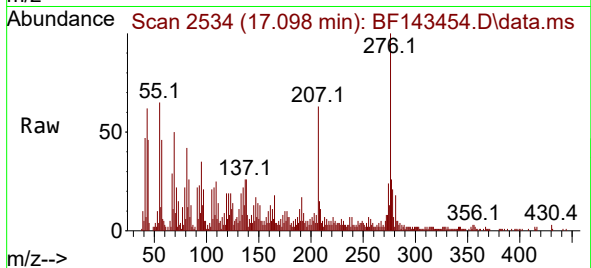
Tgt Ion:	276	Resp:	3837
Ion Ratio	Lower	Upper	
276	100		
138	20.6	20.2	30.4
277	22.8	20.2	30.2

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Supervised By :Jagrut Upadhyay 08/20/2025



#88

Benzo(b)fluoranthene

Concen: 11.873 ng m

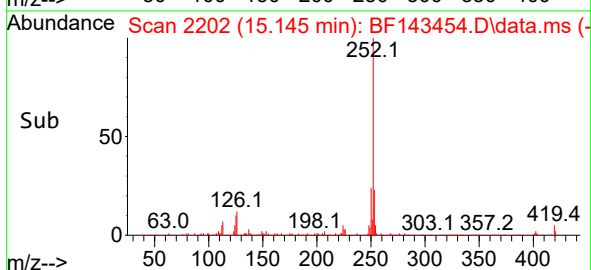
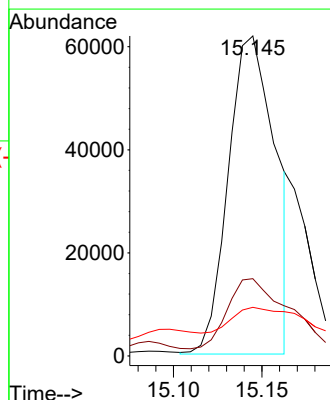
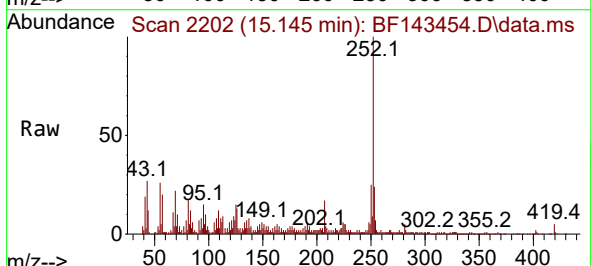
RT: 15.145 min Scan# 2202

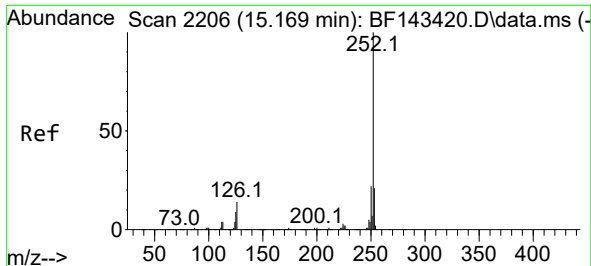
Delta R.T. 0.006 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Tgt Ion:	252	Resp:	114300
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	15.2	7.5	11.3





#89

Benzo(k)fluoranthene

Concen: 3.269 ng m

RT: 15.163 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP06-081425

Tgt Ion:252 Resp: 3104

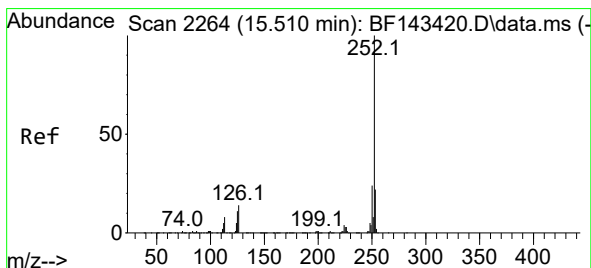
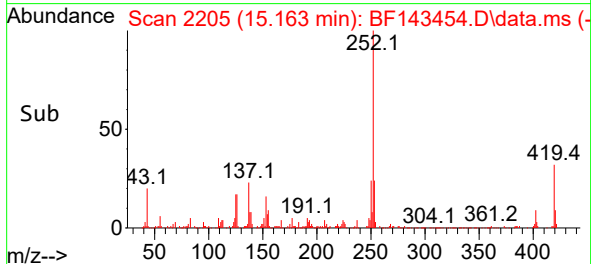
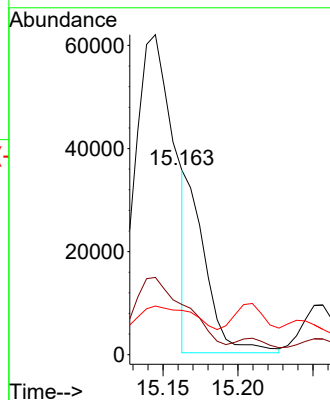
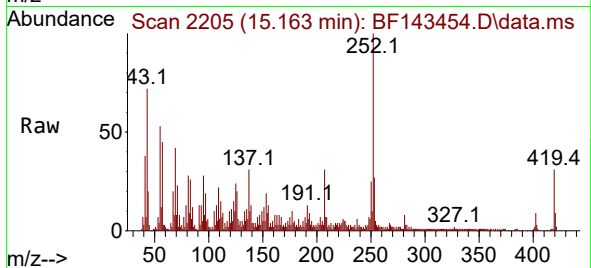
Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.2	25.8
125	24.1	7.4	11.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#90

Benzo(a)pyrene

Concen: 6.507 ng

RT: 15.515 min Scan# 2265

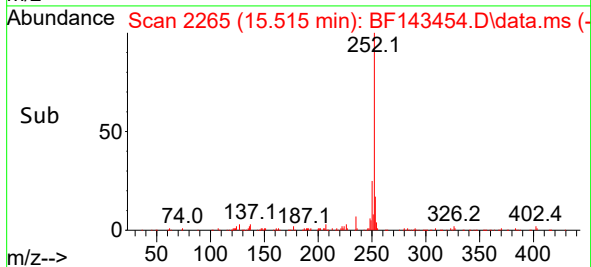
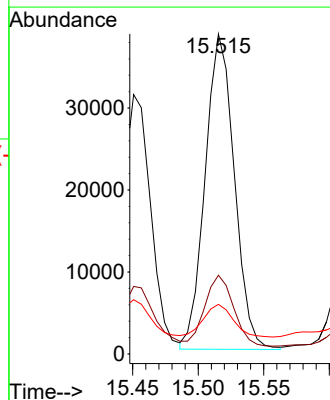
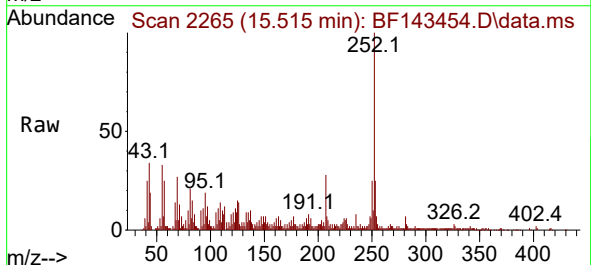
Delta R.T. 0.006 min

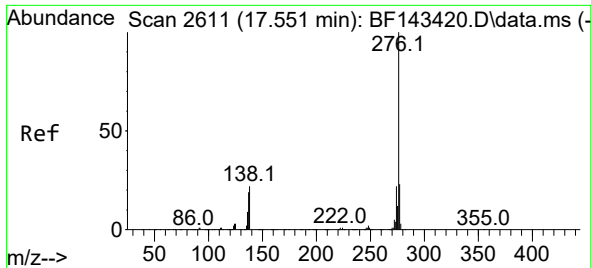
Lab File: BF143454.D

Acq: 19 Aug 2025 13:59

Tgt Ion:252 Resp: 59661

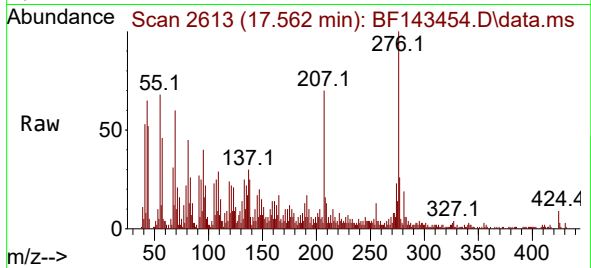
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.4	26.2
125	15.5	8.6	12.8





#92
Benzo(g,h,i)perylene
Concen: 3.584 ng
RT: 17.562 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF143454.D
Acq: 19 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP06-081425



Tgt Ion:276 Resp: 38729
Ion Ratio Lower Upper
276 100
277 26.1 18.7 28.1
138 24.9 17.5 26.3

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Supervised By :Jagrut Upadhyay 08/20/2025

