

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143452.D
 Acq On : 19 Aug 2025 13:01
 Operator : RC/JU
 Sample : Q2879-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425

Manual Integrations
 APPROVED

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

Quant Time: Aug 19 13:36:19 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	111871	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	347487	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	150668	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	255855	20.000	ng	0.00
76) Chrysene-d12	14.086	240	317101	20.000	ng	0.00
86) Perylene-d12	15.580	264	213178	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	511842	79.533	ng	0.00
7) Phenol-d6	6.557	99	597843	73.714	ng	0.00
23) Nitrobenzene-d5	7.481	82	409547	69.937	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	126721	94.493	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	638703	71.302	ng	0.00
79) Terphenyl-d14	13.027	244	763485	40.446	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	119727	8.641	ng	99
75) Fluoranthene	12.657	202	208878	16.967	ng	99
78) Pyrene	12.886	202	241733	8.771	ng	99
81) Benzo(a)anthracene	14.074	228	190874	9.455	ng	95
83) Chrysene	14.110	228	200424	10.739	ng	98
84) Bis(2-ethylhexyl)phtha...	14.057	149	25990	2.681	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.098	276	57299	3.584	ng	96
88) Benzo(b)fluoranthene	15.139	252	197074m	17.249	ng	
89) Benzo(k)fluoranthene	15.157	252	69658m	6.181	ng	
90) Benzo(a)pyrene	15.515	252	102742	9.441	ng	97
92) Benzo(g,h,i)perylene	17.556	276	55171	4.302	ng	96

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

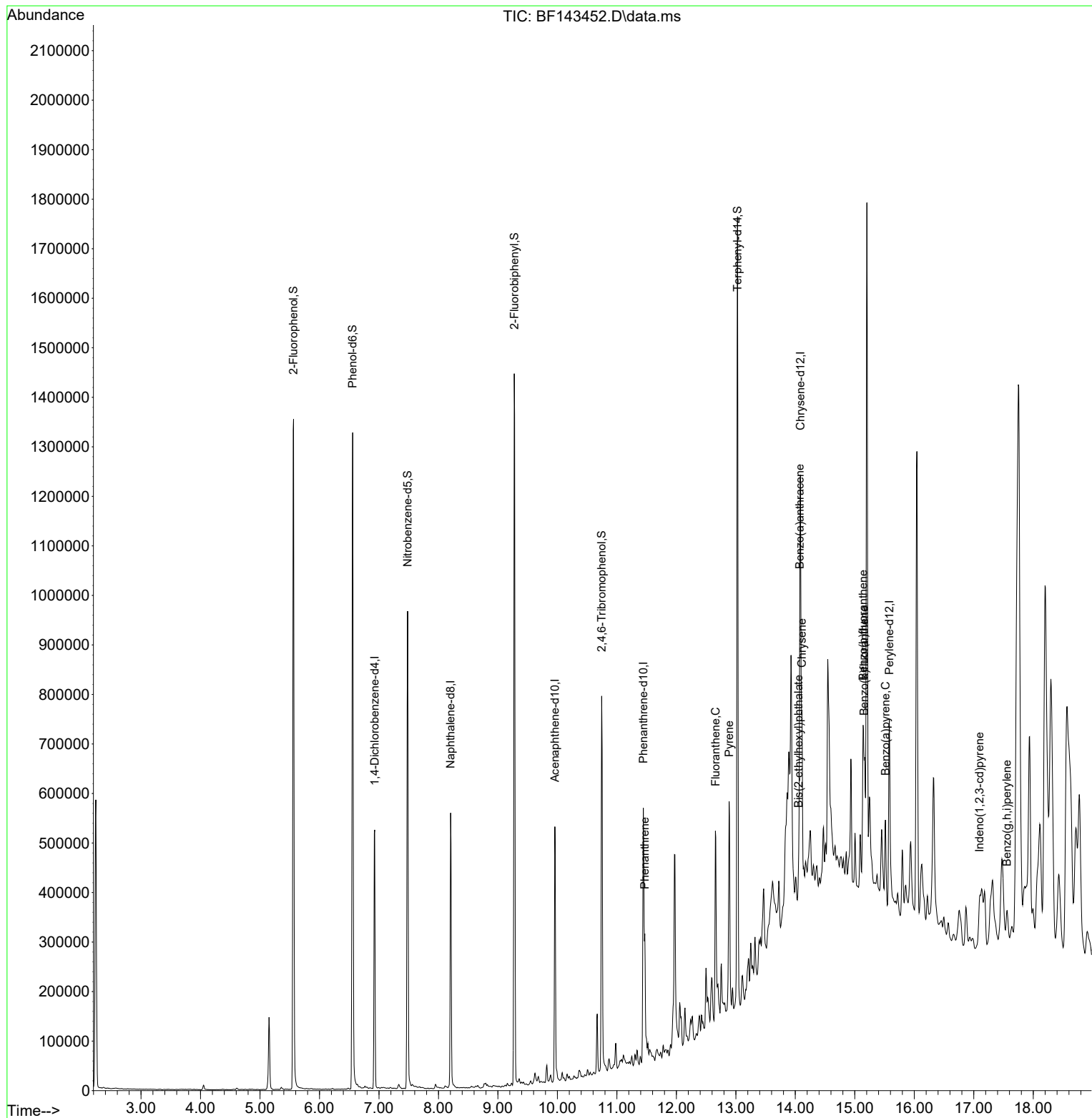
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143452.D
Acq On : 19 Aug 2025 13:01
Operator : RC/JU
Sample : Q2879-03
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ALS Vial : 9 Sample Multiplier: 1

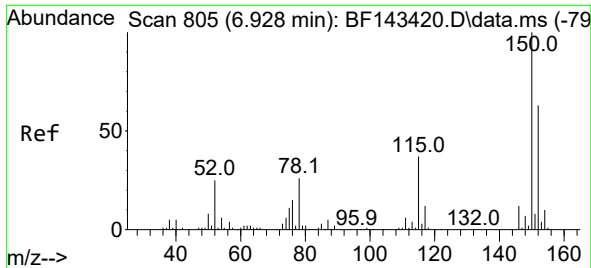
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ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425

Quant Time: Aug 19 13:36:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
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QLast Update : Mon Aug 18 04:40:19 2025
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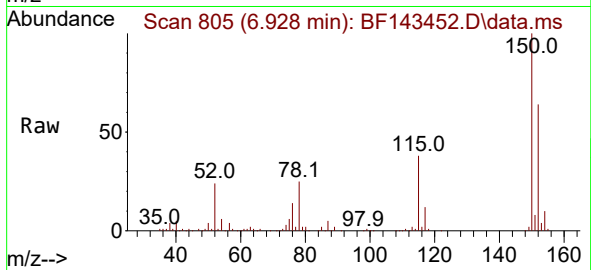
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

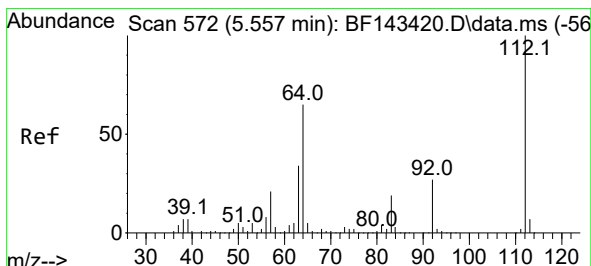
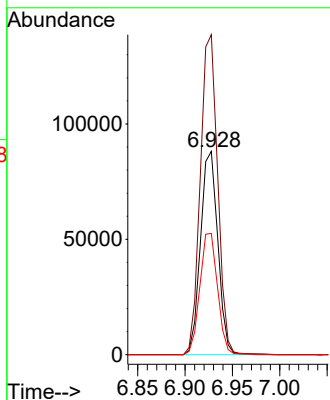
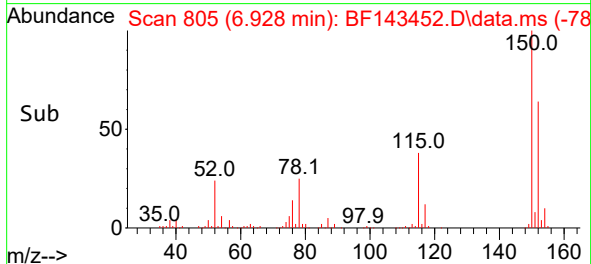
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



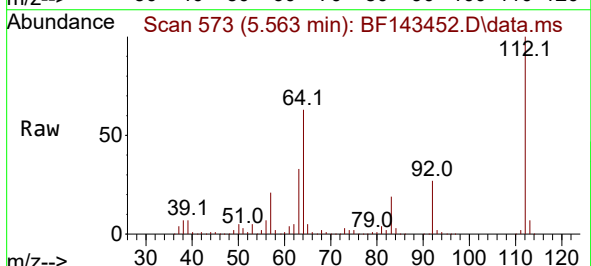
Tgt Ion:152 Resp: 11187
Ion Ratio Lower Upper
152 100
150 157.4 127.4 191.2
115 59.7 47.5 71.3

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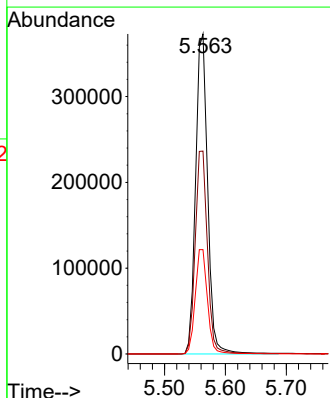
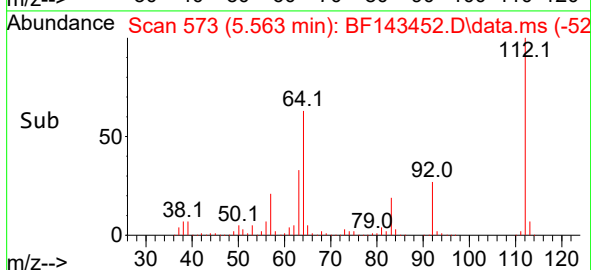
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

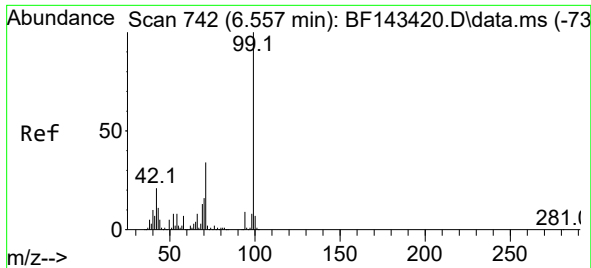


#5
2-Fluorophenol
Concen: 79.533 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01



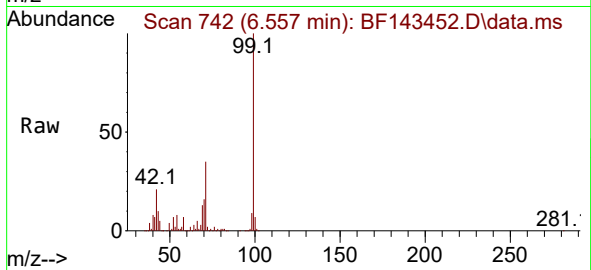
Tgt Ion:112 Resp: 511842
Ion Ratio Lower Upper
112 100
64 63.4 52.2 78.2
63 32.6 27.0 40.6





#7
Phenol-d6
Concen: 73.714 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

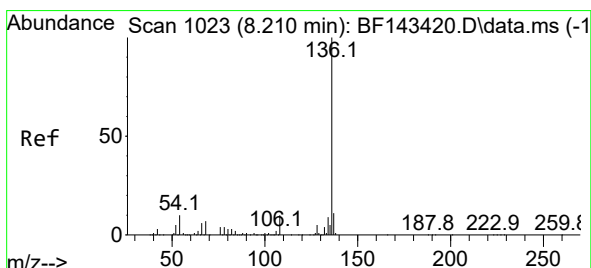
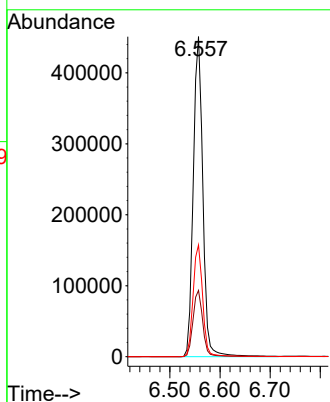
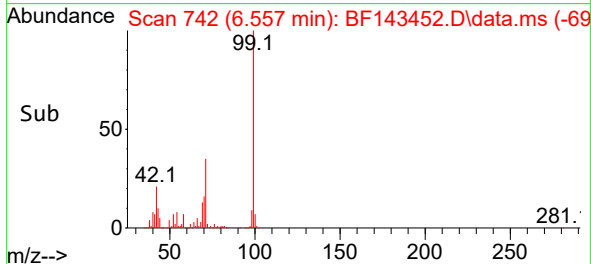
Instrument :
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ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



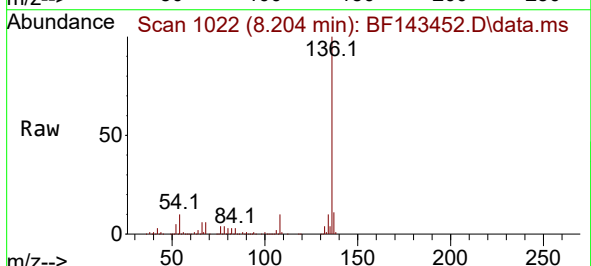
Tgt Ion: 99 Resp: 59784
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 34.9 27.4 41.2

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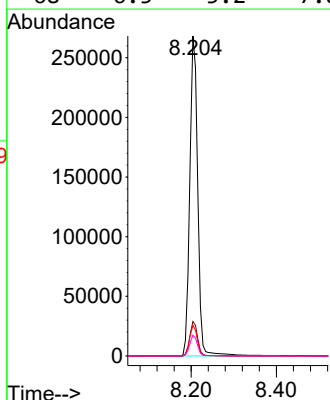
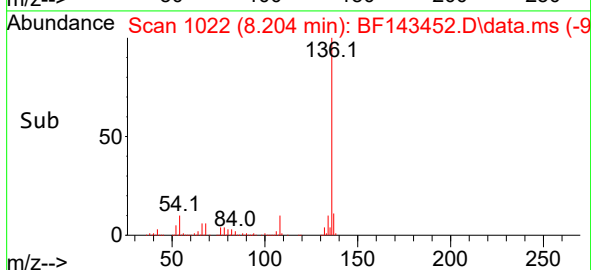
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

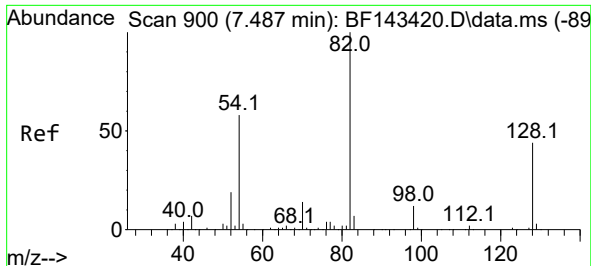


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01



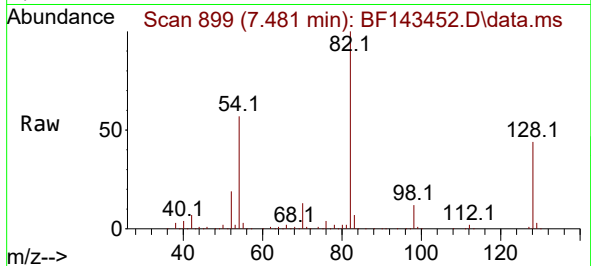
Tgt Ion:136 Resp: 347487
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.6 7.8 11.8
68 6.5 5.2 7.8





#23
Nitrobenzene-d5
Concen: 69.937 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

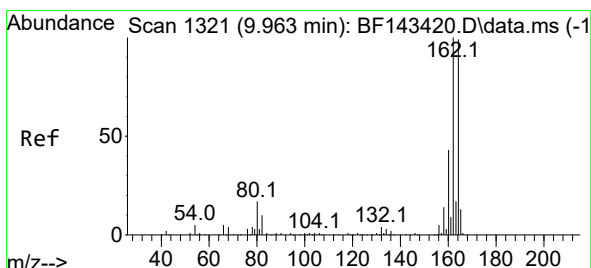
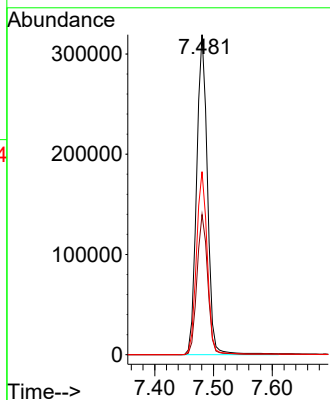
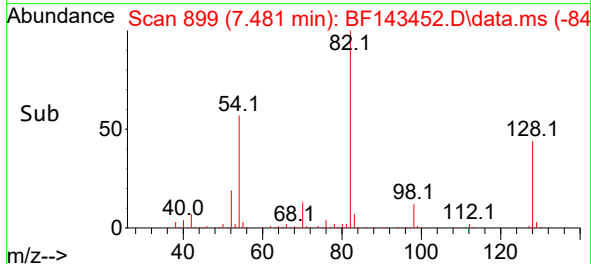
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



Tgt Ion: 82 Resp: 40954
Ion Ratio Lower Upper
82 100
128 43.8 34.6 52.0
54 57.2 46.0 69.0

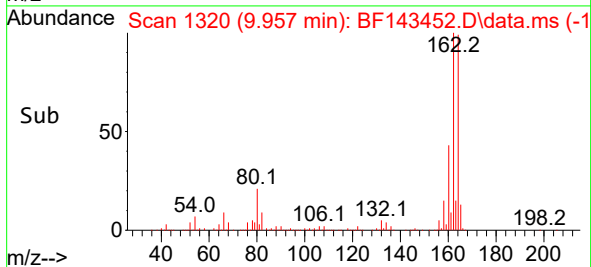
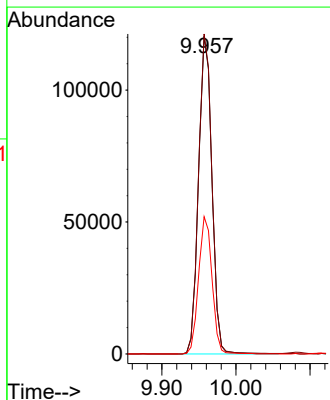
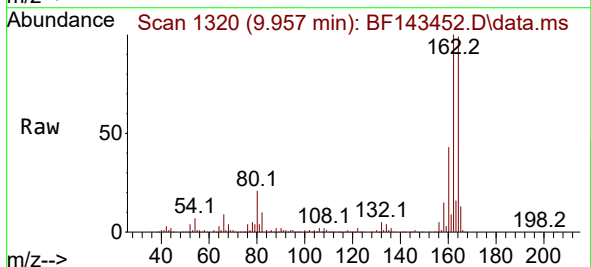
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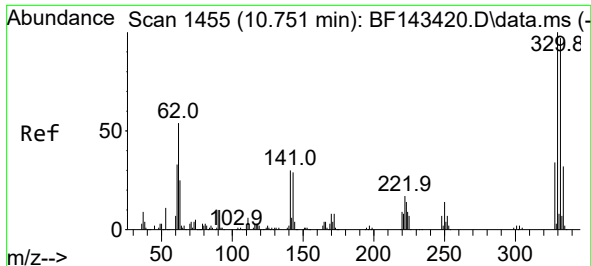
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

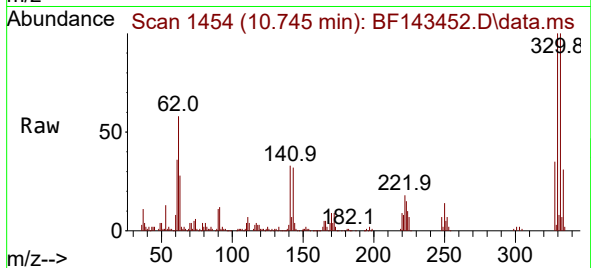
Tgt Ion:164 Resp: 150668
Ion Ratio Lower Upper
164 100
162 100.7 80.6 121.0
160 43.2 34.6 51.8





#42
2,4,6-Tribromophenol
Concen: 94.493 ng
RT: 10.745 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

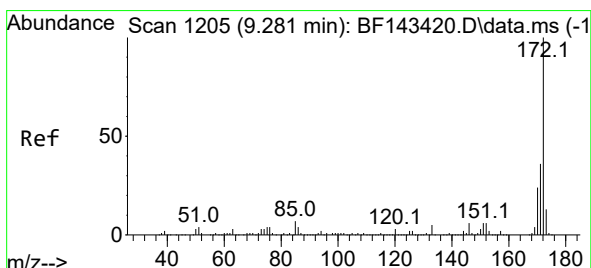
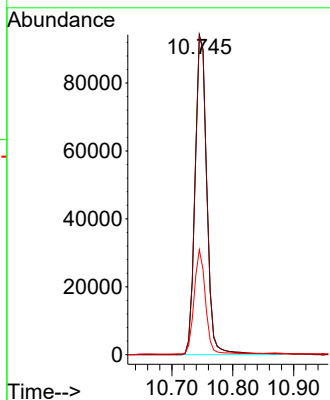
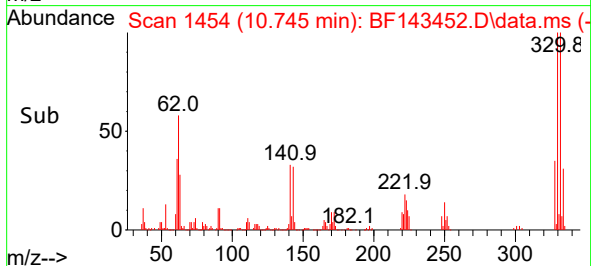
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



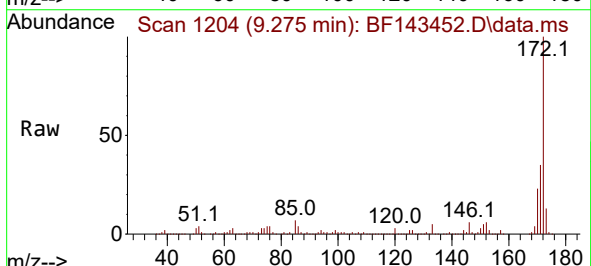
Tgt Ion: 330 Resp: 12672
Ion Ratio Lower Upper
330 100
332 99.5 77.4 116.2
141 31.7 24.1 36.1

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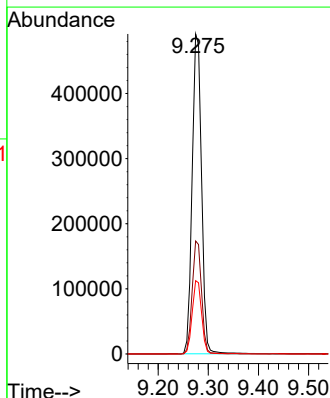
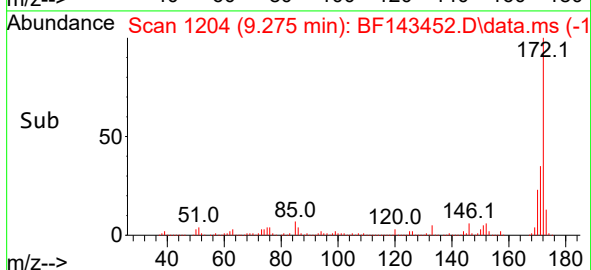
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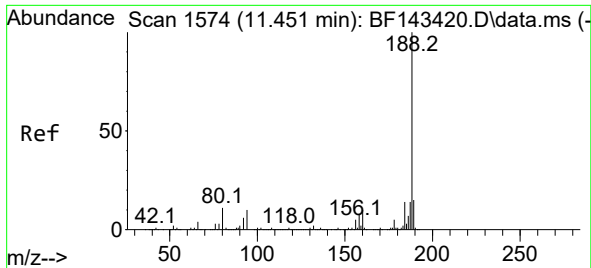


#45
2-Fluorobiphenyl
Concen: 71.302 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01



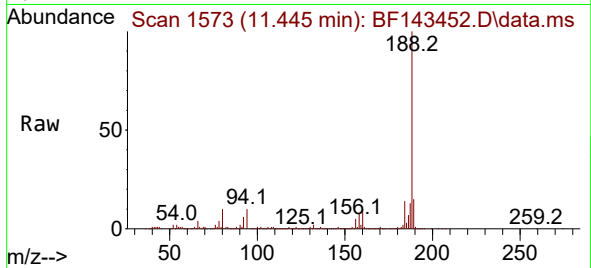
Tgt Ion: 172 Resp: 638703
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 22.9 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

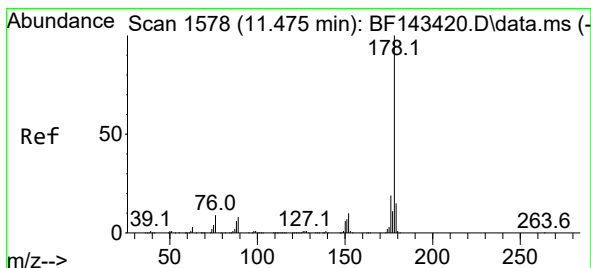
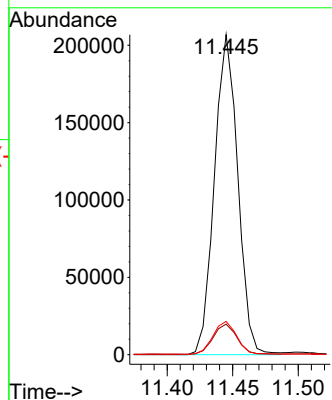
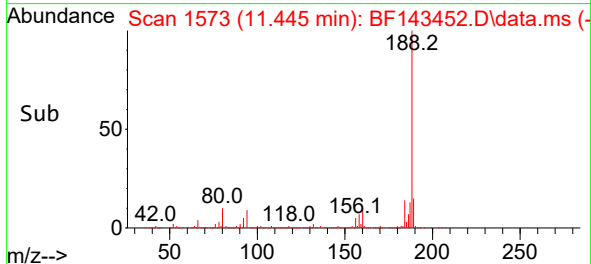
Instrument :
BNA_F
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OU4-TS-GRILLO-TSCP04-081425



Tgt Ion:188 Resp: 25585
Ion Ratio Lower Upper
188 100
94 9.6 8.0 12.0
80 10.4 8.6 12.8

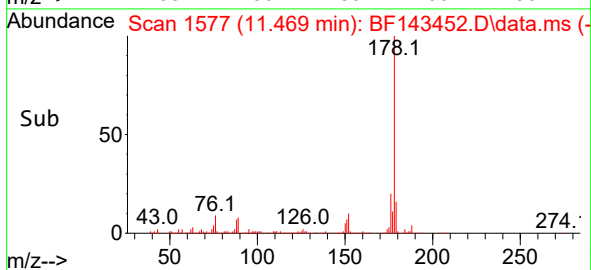
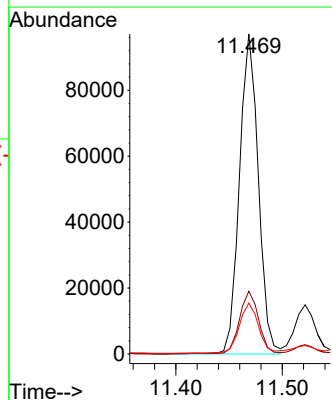
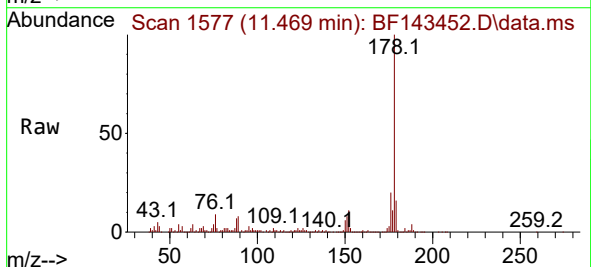
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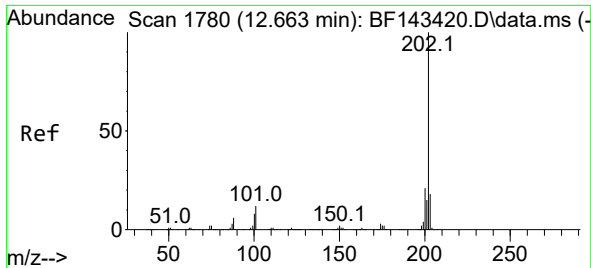
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#71
Phenanthrene
Concen: 8.641 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

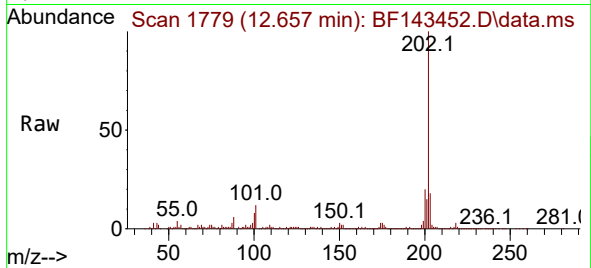
Tgt Ion:178 Resp: 119727
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.9 12.3 18.5





#75
Fluoranthene
Concen: 16.967 ng
RT: 12.657 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

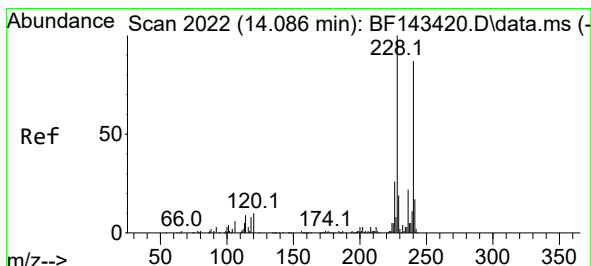
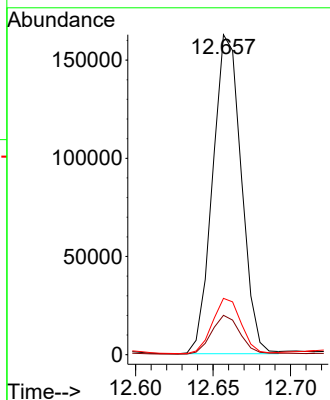
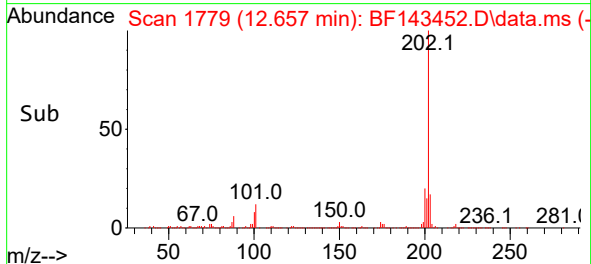
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OU4-TS-GRILLO-TSCP04-081425



Tgt Ion:202 Resp: 208878
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.5
203 17.6 0.0 37.5

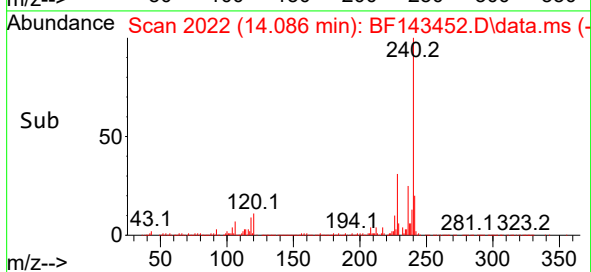
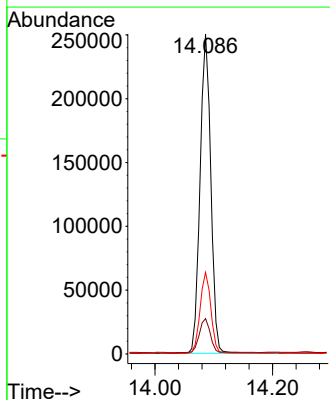
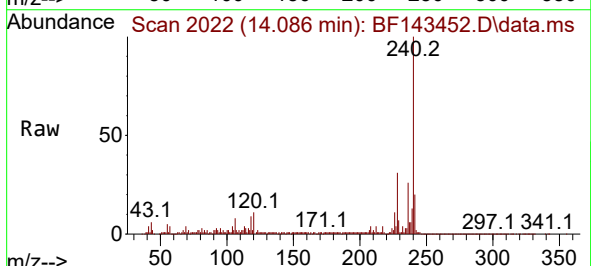
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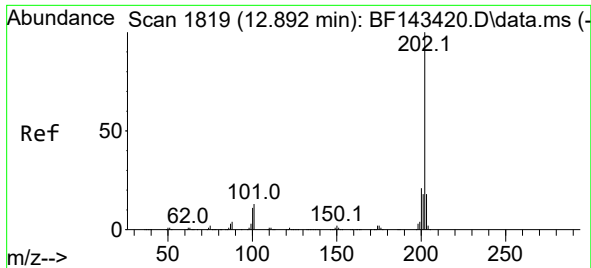
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

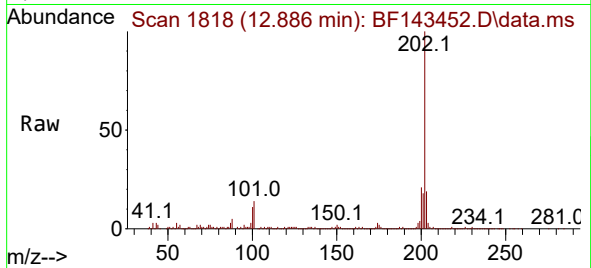
Tgt Ion:240 Resp: 317101
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.4
236 25.5 20.2 30.2





#78
Pyrene
Concen: 8.771 ng
RT: 12.886 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

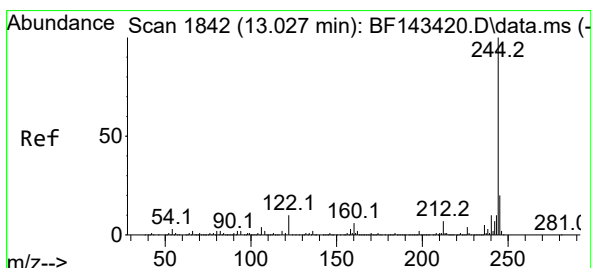
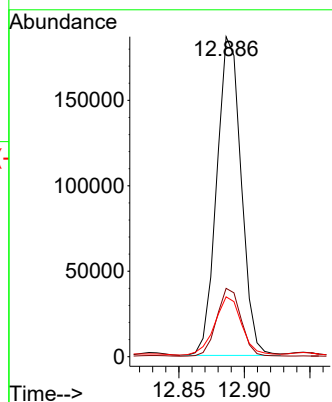
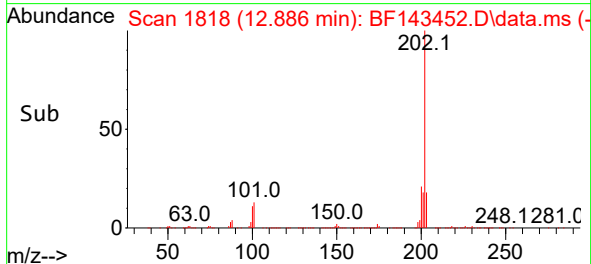
Instrument :
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ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



Tgt Ion:202 Resp: 24173
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.7 14.2 21.2

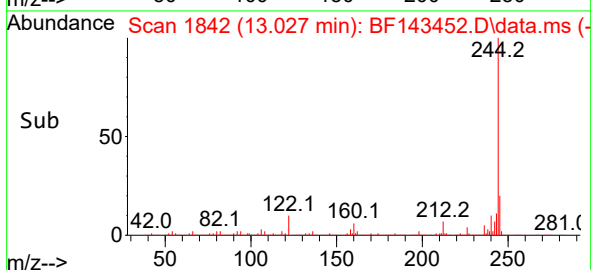
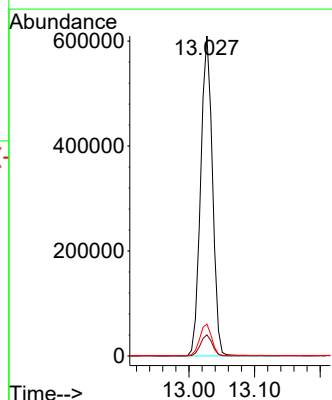
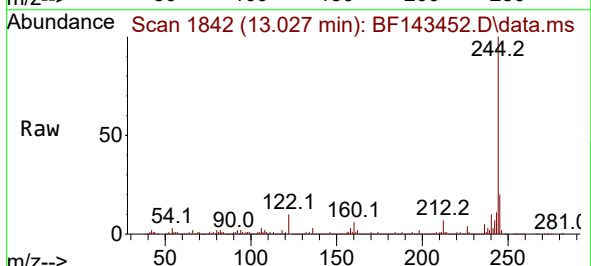
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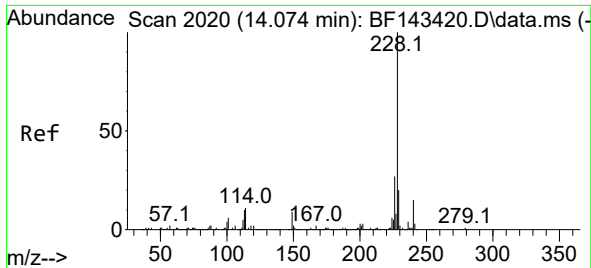
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#79
Terphenyl-d14
Concen: 40.446 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

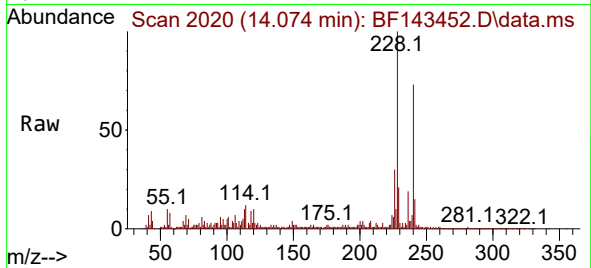
Tgt Ion:244 Resp: 763485
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.0 8.3 12.5





#81
Benzo(a)anthracene
Concen: 9.455 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

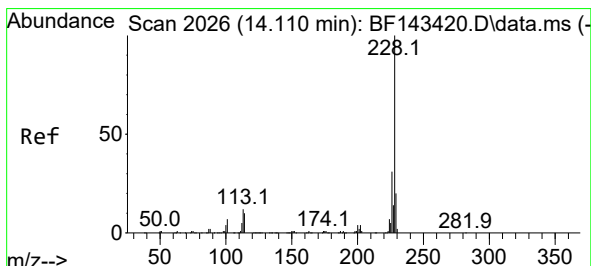
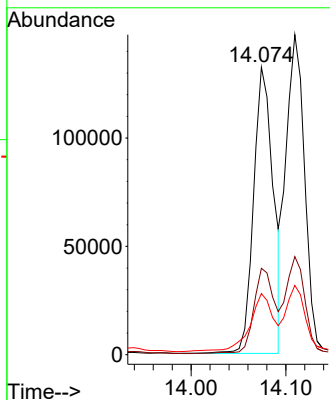
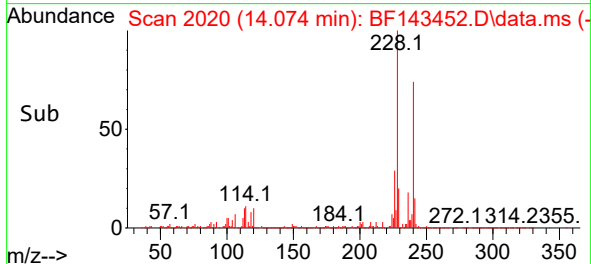
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP04-081425



Tgt Ion:228 Resp: 190874
Ion Ratio Lower Upper
228 100
226 30.0 21.5 32.3
229 21.3 15.7 23.5

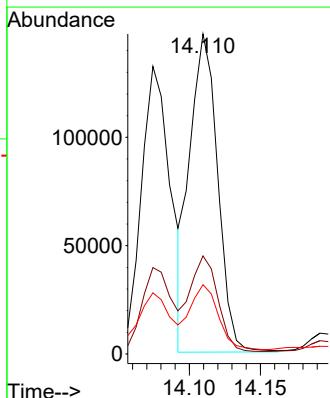
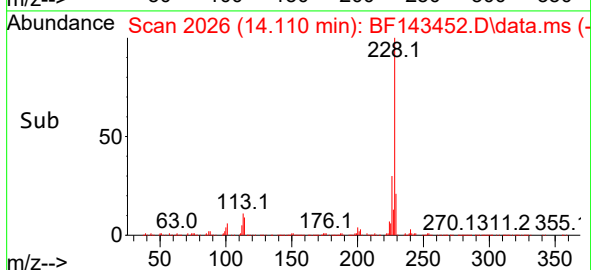
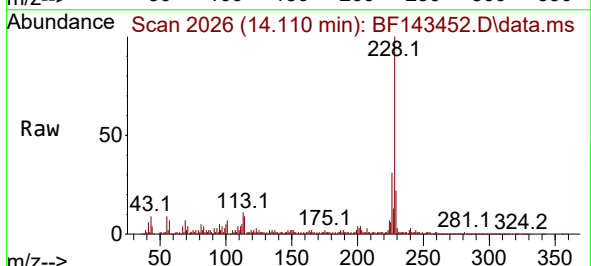
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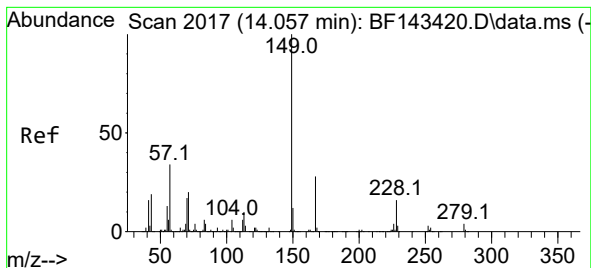
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#83
Chrysene
Concen: 10.739 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

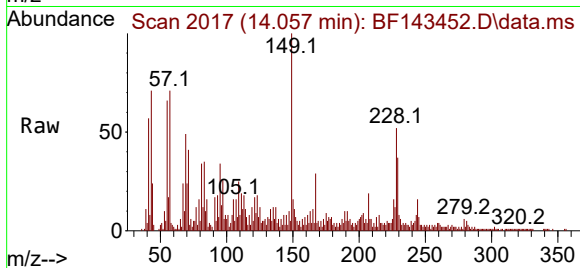
Tgt Ion:228 Resp: 200424
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 21.7 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.681 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

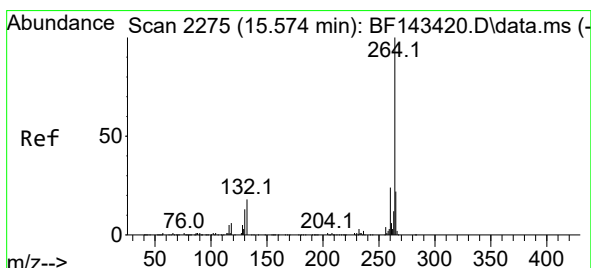
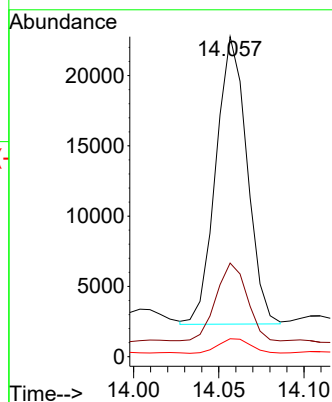
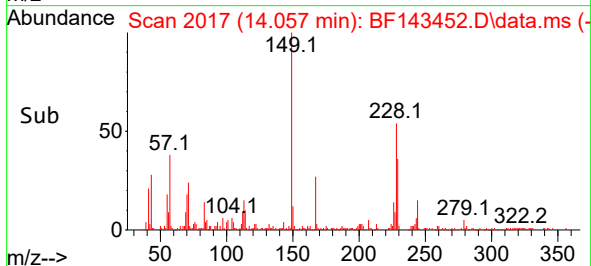
Instrument : BNA_F
ClientSampleId : OU4-TS-GRILLO-TSCP04-081425



Tgt Ion:149 Resp: 25990
Ion Ratio Lower Upper
149 100
167 29.3 22.6 33.8
279 5.6 3.5 5.3

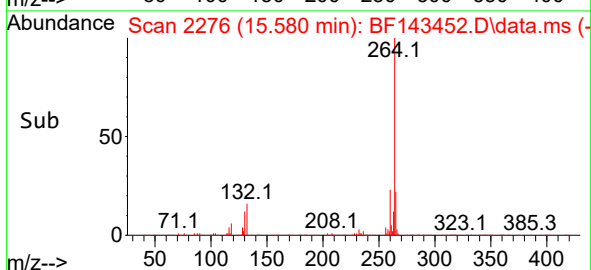
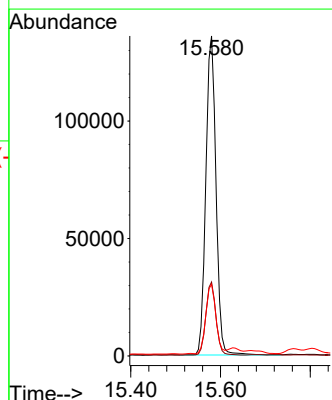
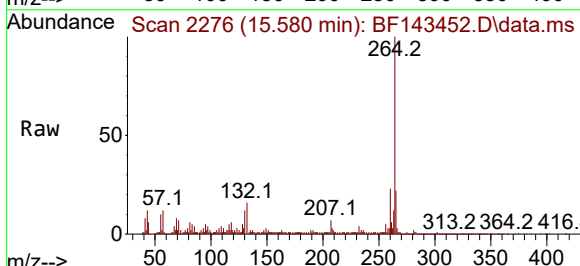
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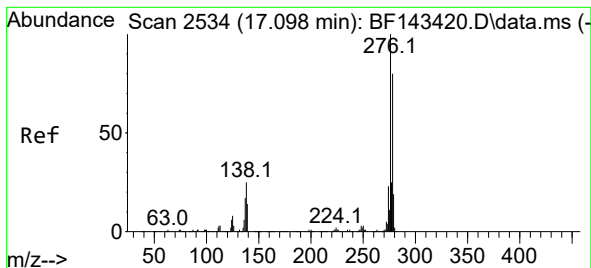
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143452.D
Acq: 19 Aug 2025 13:01

Tgt Ion:264 Resp: 213178
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 22.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.584 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143452.D

Acq: 19 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP04-081425

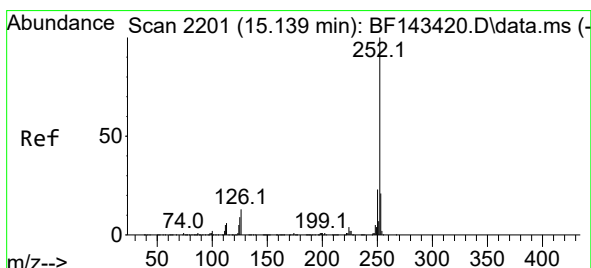
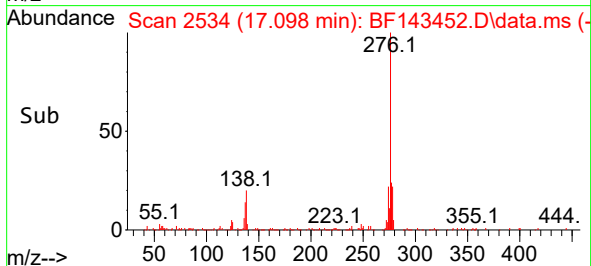
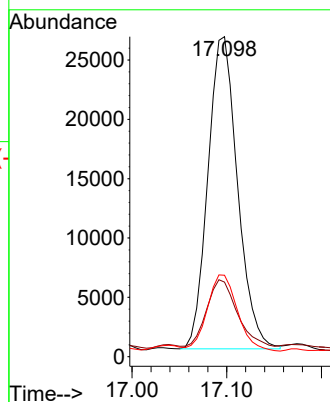
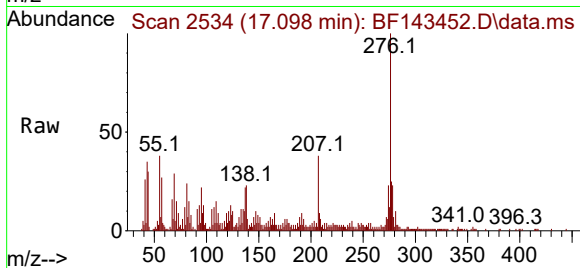
Tgt Ion:	276	Resp:	57299
Ion Ratio	Lower	Upper	
276	100		
138	21.4	20.2	30.4
277	24.9	20.2	30.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#88

Benzo(b)fluoranthene

Concen: 17.249 ng m

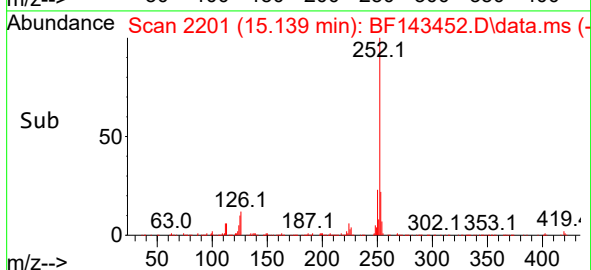
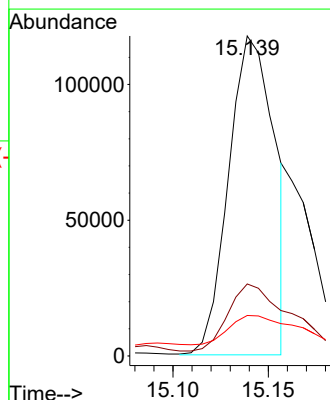
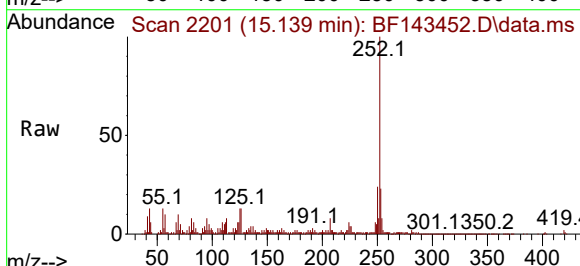
RT: 15.139 min Scan# 2201

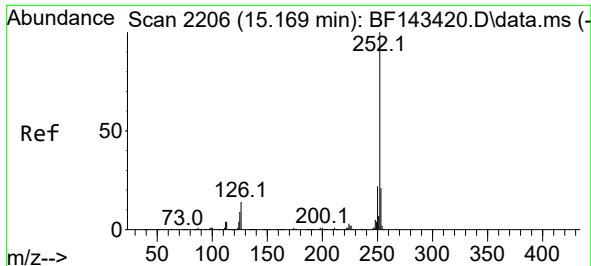
Delta R.T. -0.000 min

Lab File: BF143452.D

Acq: 19 Aug 2025 13:01

Tgt Ion:	252	Resp:	197074
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	12.6	7.5	11.3#





#89

Benzo(k)fluoranthene

Concen: 6.181 ng m

RT: 15.157 min Scan# 2204

Delta R.T. -0.012 min

Lab File: BF143452.D

Acq: 19 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP04-081425

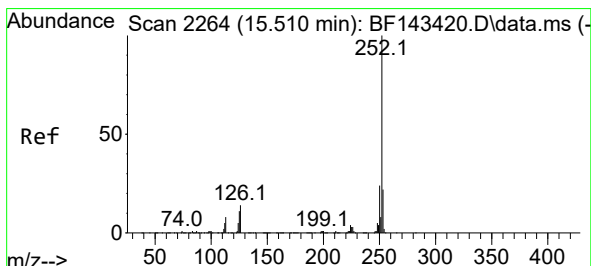
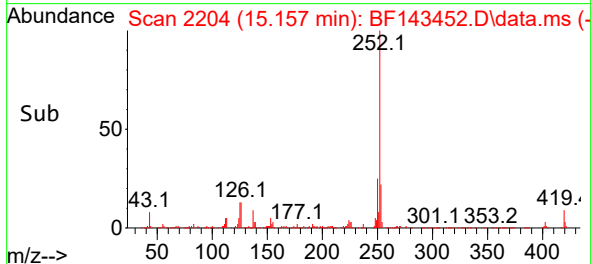
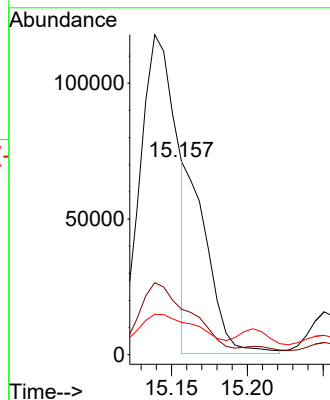
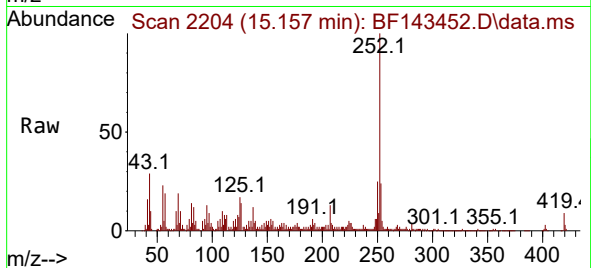
Tgt Ion:252	Resp: 69658
Ion Ratio	Lower Upper
252	100
253	23.5 17.2 25.8
125	16.8 7.4 11.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#90

Benzo(a)pyrene

Concen: 9.441 ng

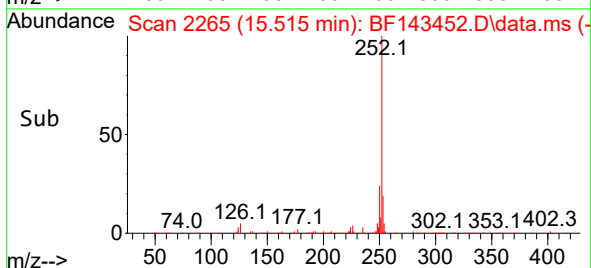
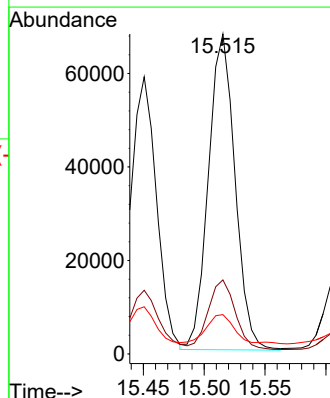
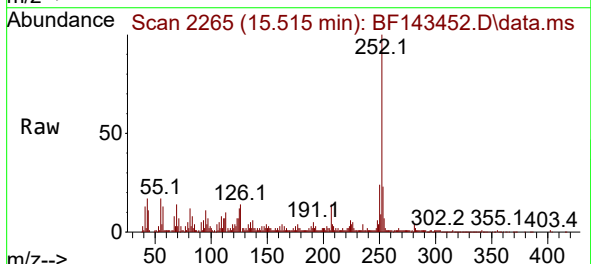
RT: 15.515 min Scan# 2265

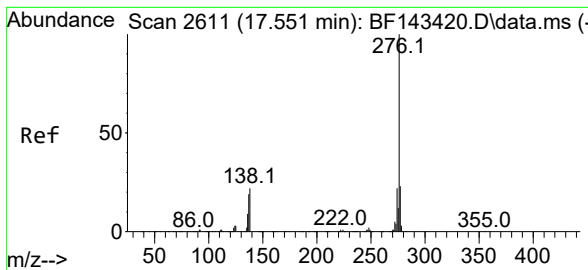
Delta R.T. 0.006 min

Lab File: BF143452.D

Acq: 19 Aug 2025 13:01

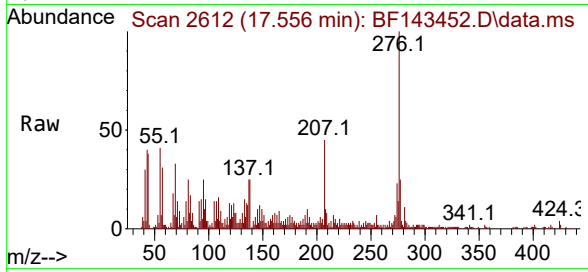
Tgt Ion:252	Resp: 102742
Ion Ratio	Lower Upper
252	100
253	23.1 17.4 26.2
125	12.3 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.302 ng
 RT: 17.556 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF143452.D
 Acq: 19 Aug 2025 13:01

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP04-081425



Tgt Ion: 276 Resp: 5517

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.7	28.1
138	24.6	17.5	26.3

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

