

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143458.D
 Acq On : 19 Aug 2025 15:55
 Operator : RC/JU
 Sample : Q2879-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP10-081425

Quant Time: Aug 19 20:18:46 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	101637	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	308767	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	162569	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	305125	20.000	ng	0.00
76) Chrysene-d12	14.092	240	286997	20.000	ng	0.00
86) Perylene-d12	15.586	264	177608	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	407224	69.649	ng	0.01
7) Phenol-d6	6.563	99	489994	66.500	ng	0.00
23) Nitrobenzene-d5	7.481	82	292361	56.186	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	127379	88.031	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	528952	54.727	ng	0.00
79) Terphenyl-d14	13.033	244	823554	48.204	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.474	178	41412	2.506	ng	100
75) Fluoranthene	12.663	202	134815	9.183	ng	99
78) Pyrene	12.892	202	131647	5.277	ng	99
81) Benzo(a)anthracene	14.080	228	68028	3.723	ng	93
83) Chrysene	14.115	228	63079	3.734	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	131938	15.036	ng	99
88) Benzo(b)fluoranthene	15.145	252	60044m	6.308	ng	
89) Benzo(k)fluoranthene	15.162	252	21092m	2.246	ng	
90) Benzo(a)pyrene	15.521	252	33994	3.749	ng	# 85
92) Benzo(g,h,i)perylene	17.574	276	25950	2.429	ng	# 89

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

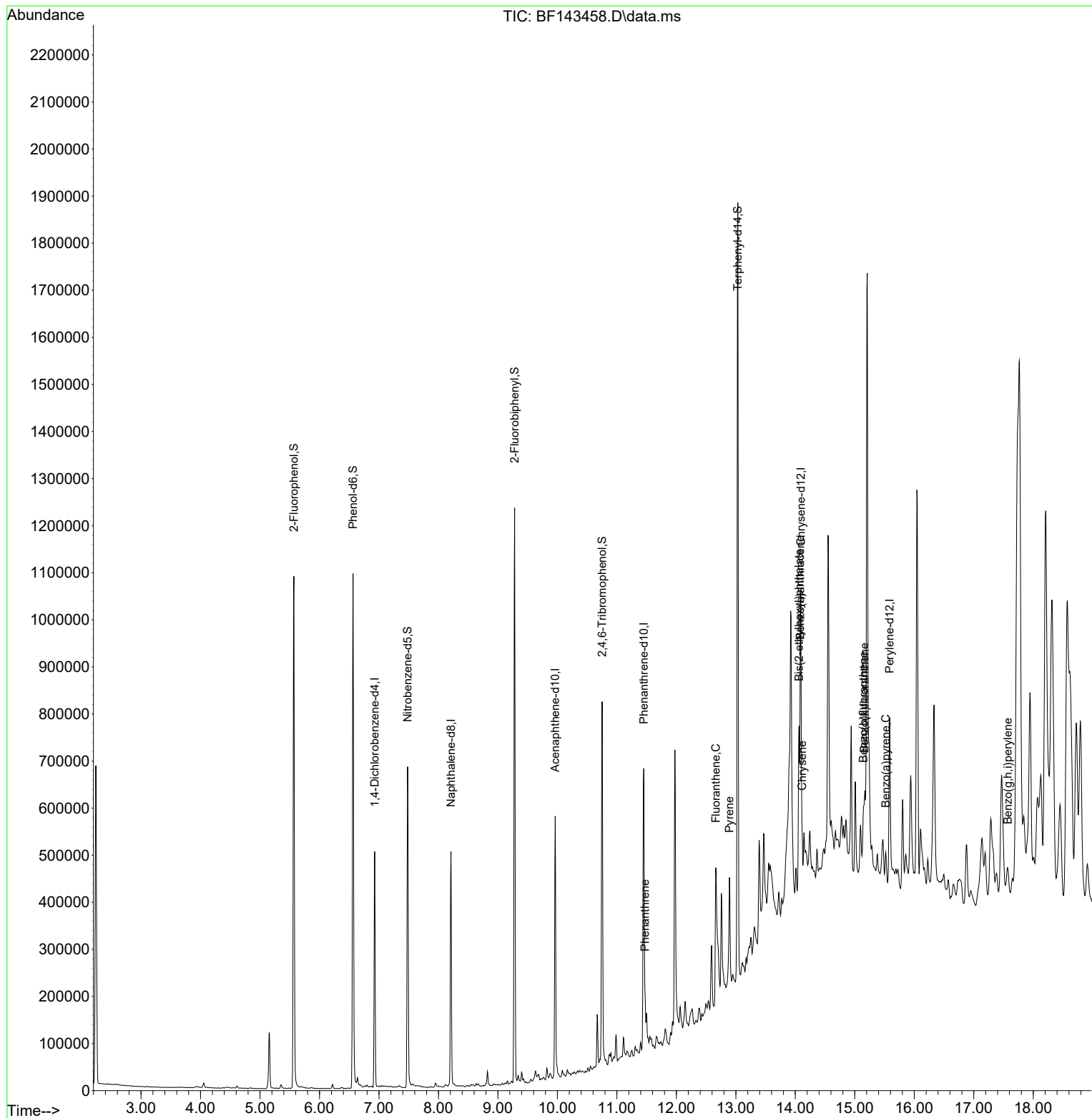
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143458.D
Acq On : 19 Aug 2025 15:55
Operator : RC/JU
Sample : Q2879-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

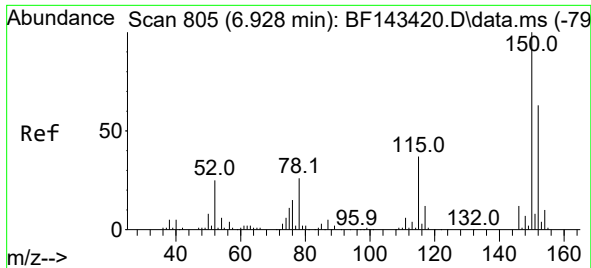
Instrument :
BNA_F
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OU4-TS-GRILLO-TSCP10-081425

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
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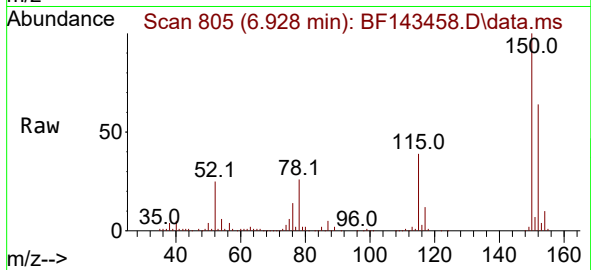
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Supervised By :Jagrut Upadhyay 08/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

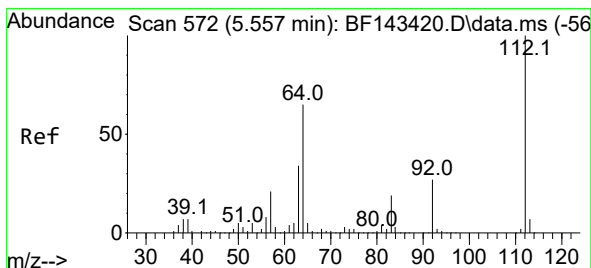
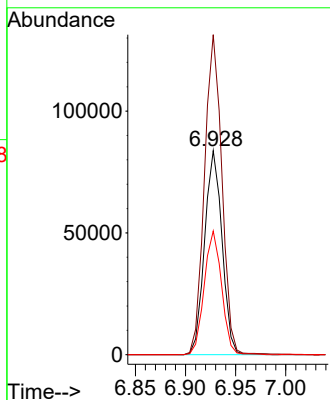
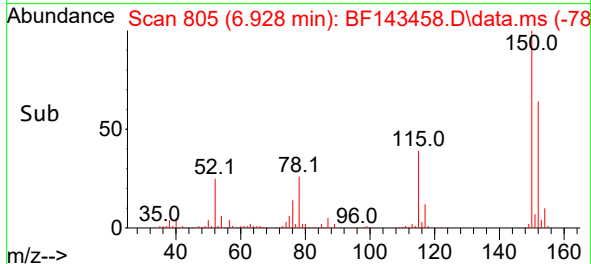
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



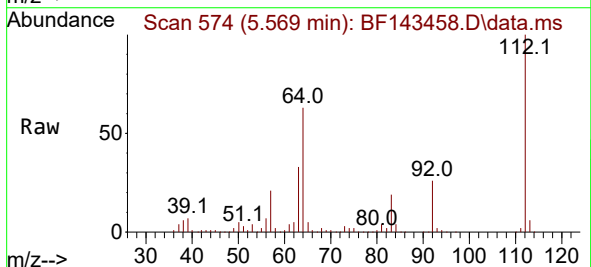
Tgt Ion:152 Resp: 10163
Ion Ratio Lower Upper
152 100
150 156.8 127.4 191.2
115 60.6 47.5 71.3

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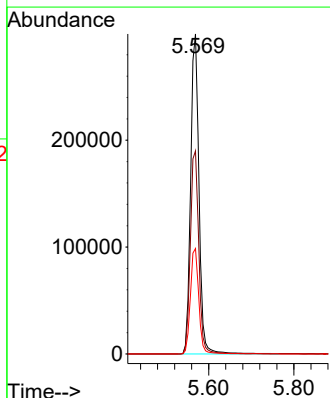
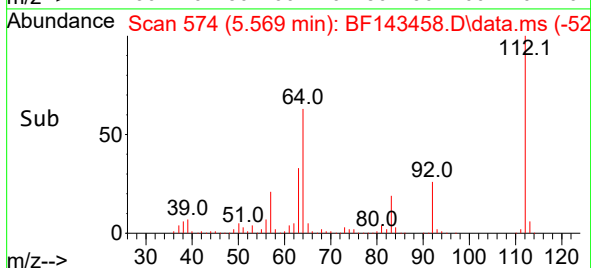
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

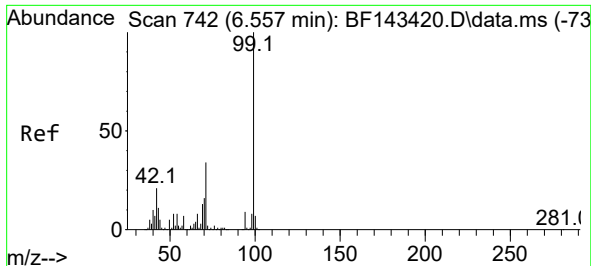


#5
2-Fluorophenol
Concen: 69.649 ng
RT: 5.569 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55



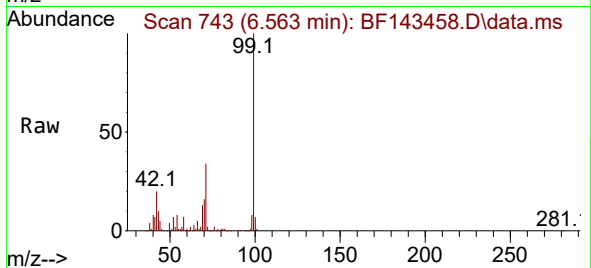
Tgt Ion:112 Resp: 407224
Ion Ratio Lower Upper
112 100
64 63.5 52.2 78.2
63 32.9 27.0 40.6





#7
Phenol-d6
Concen: 66.500 ng
RT: 6.563 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

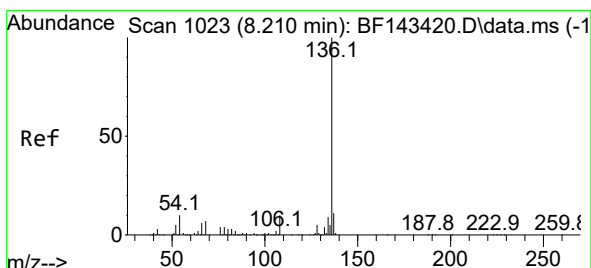
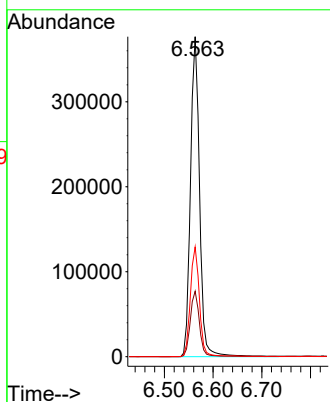
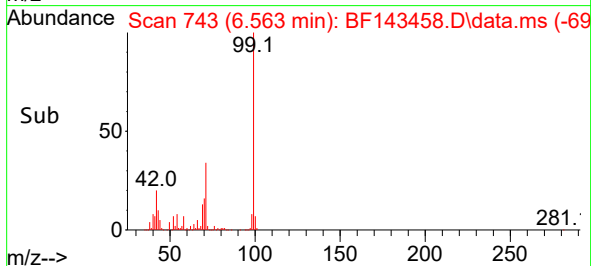
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



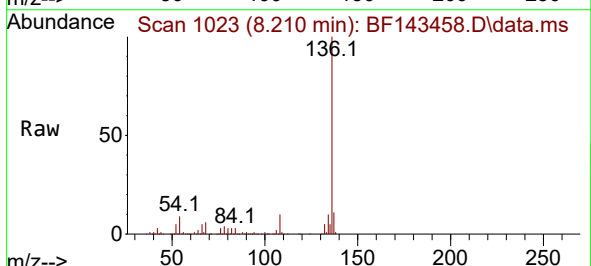
Tgt Ion: 99 Resp: 489994
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 34.3 27.4 41.2

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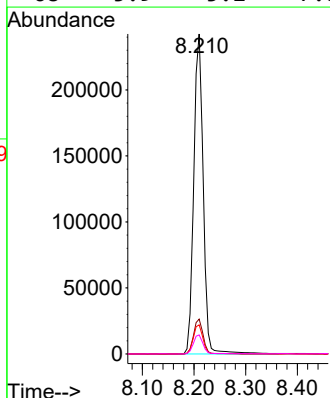
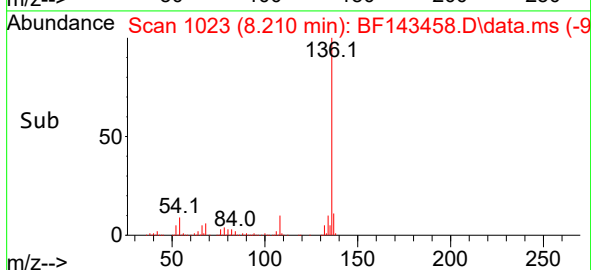
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

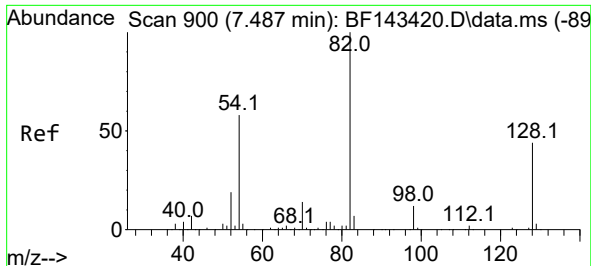


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55



Tgt Ion:136 Resp: 308767
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.1 7.8 11.8
68 5.9 5.2 7.8





#23

Nitrobenzene-d5

Concen: 56.186 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143458.D

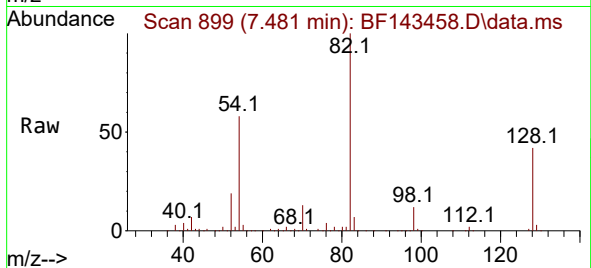
Acq: 19 Aug 2025 15:55

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425



Tgt Ion: 82 Resp: 29236

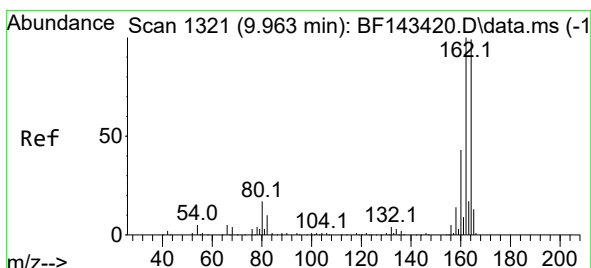
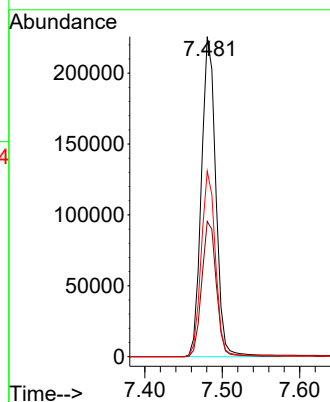
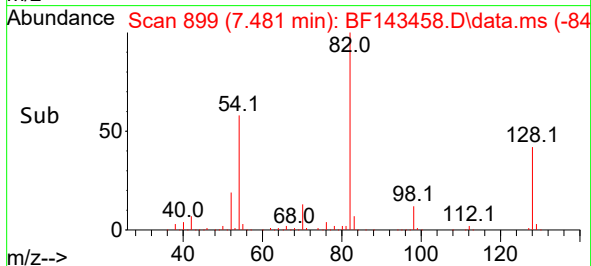
Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.6	52.0
54	58.0	46.0	69.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

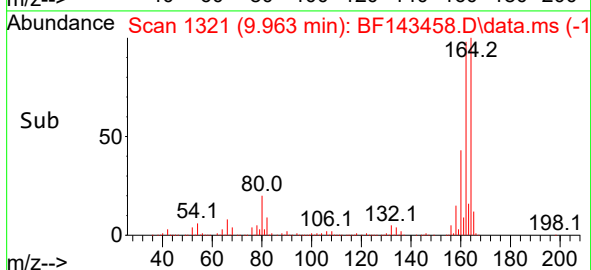
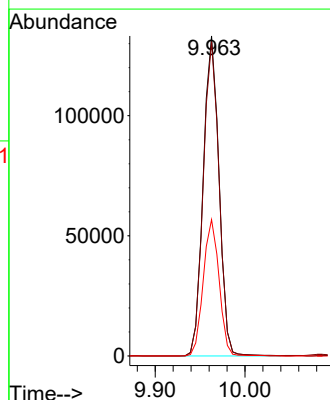
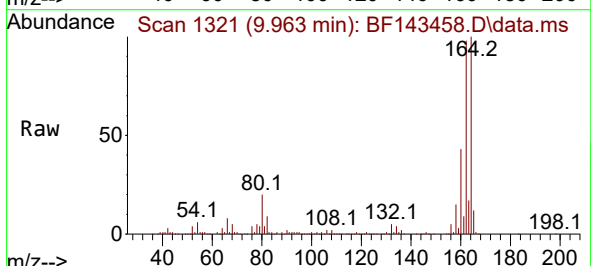
Delta R.T. -0.000 min

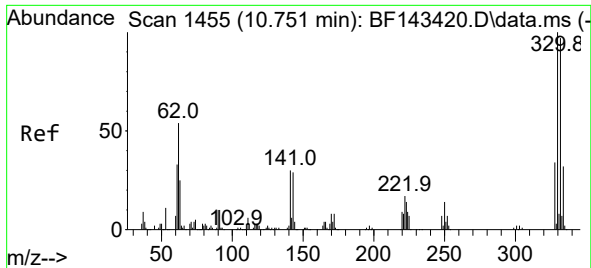
Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

Tgt Ion:164 Resp: 162569

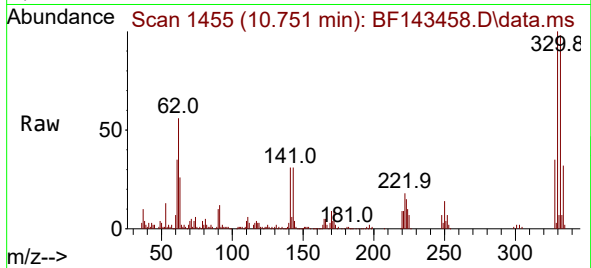
Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.6	121.0
160	42.6	34.6	51.8





#42
2,4,6-Tribromophenol
Concen: 88.031 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

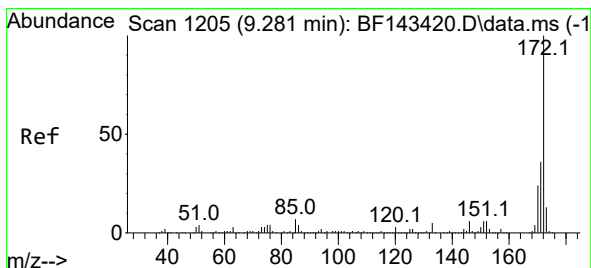
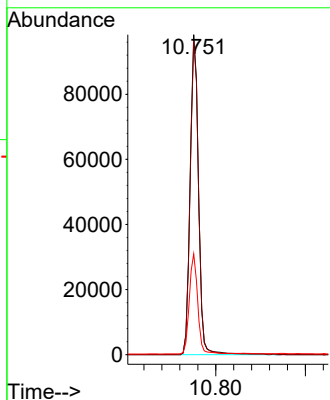
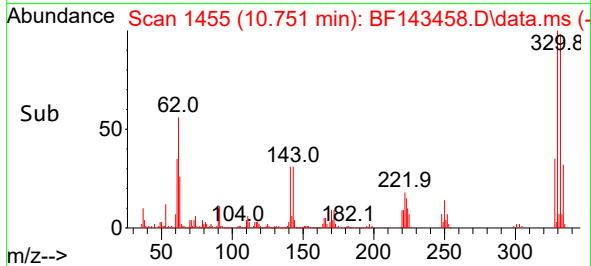
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



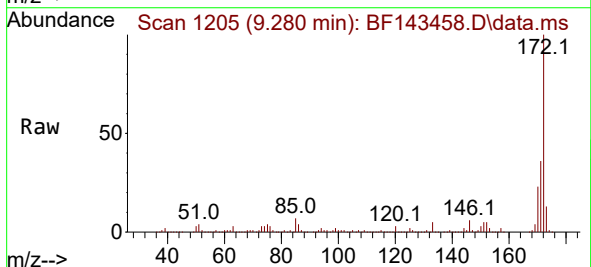
Tgt Ion:330 Resp: 127379
Ion Ratio Lower Upper
330 100
332 98.2 77.4 116.2
141 30.9 24.1 36.1

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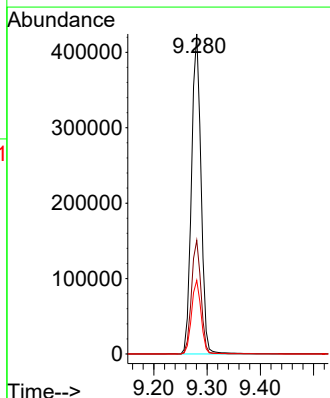
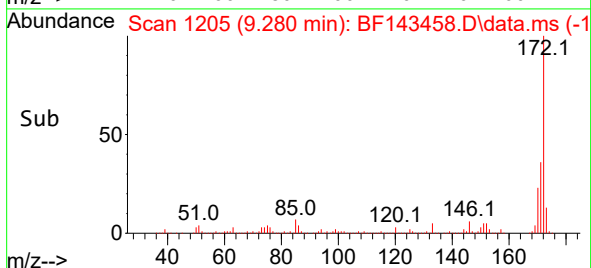
Reviewed By :Rahul Chavli 08/20/2025
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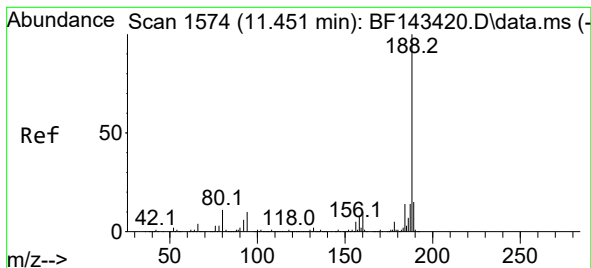


#45
2-Fluorobiphenyl
Concen: 54.727 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55



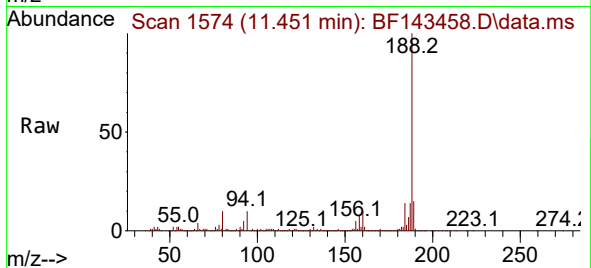
Tgt Ion:172 Resp: 528952
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.0 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

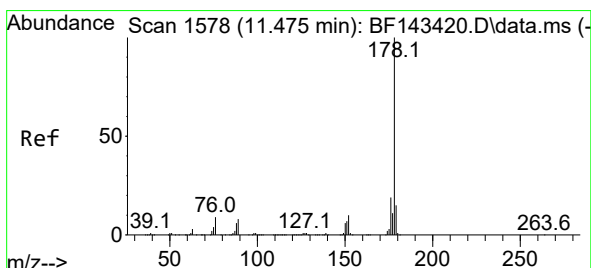
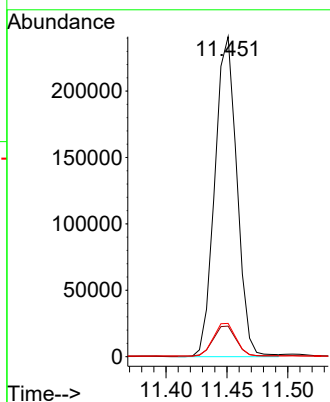
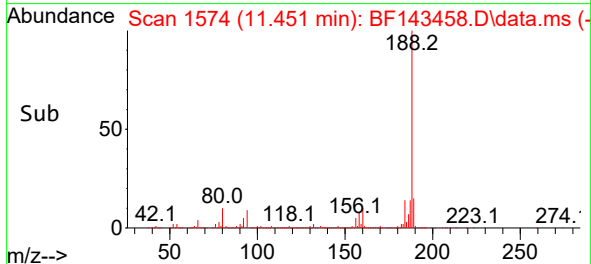
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



Tgt Ion:188 Resp: 30512
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.4 8.6 12.8

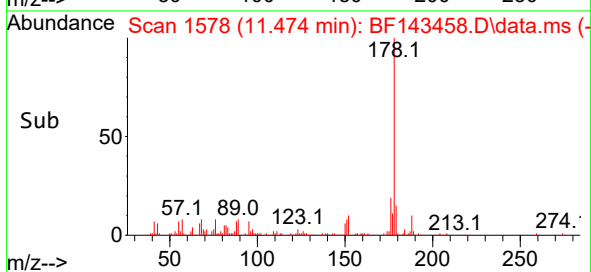
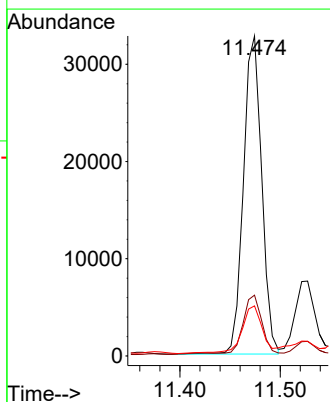
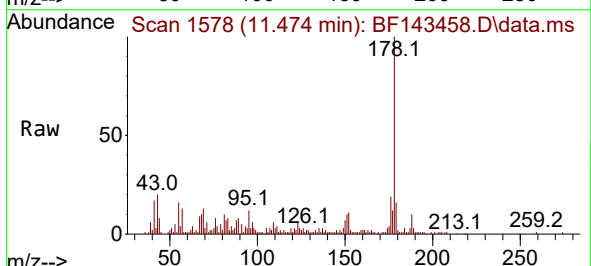
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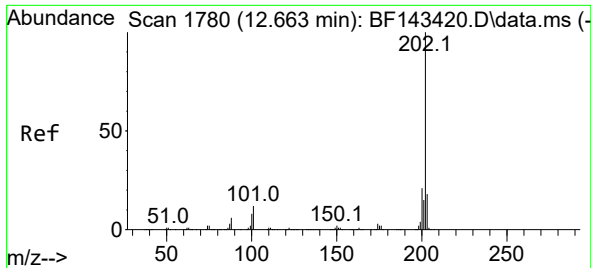
Reviewed By :Rahul Chavli 08/20/2025
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#71
Phenanthrene
Concen: 2.506 ng
RT: 11.474 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

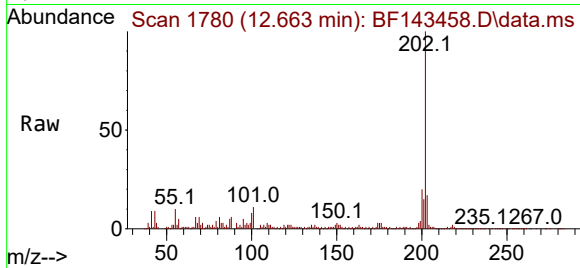
Tgt Ion:178 Resp: 41412
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.3 18.5





#75
Fluoranthene
Concen: 9.183 ng
RT: 12.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

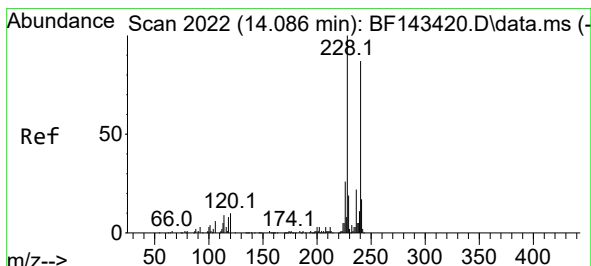
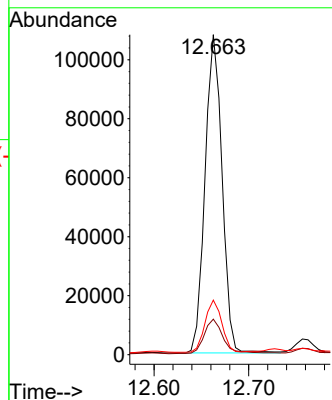
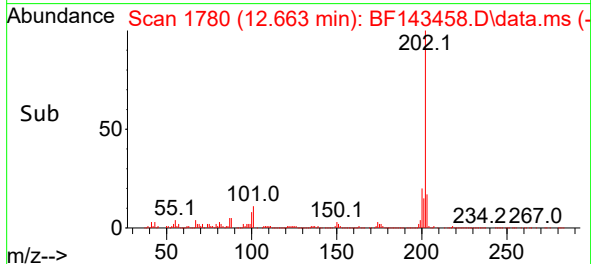
Instrument :
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ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



Tgt Ion:202 Resp: 13481
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.5
203 17.0 0.0 37.5

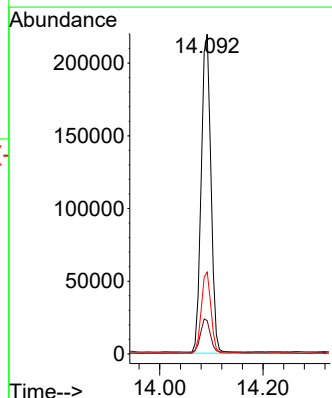
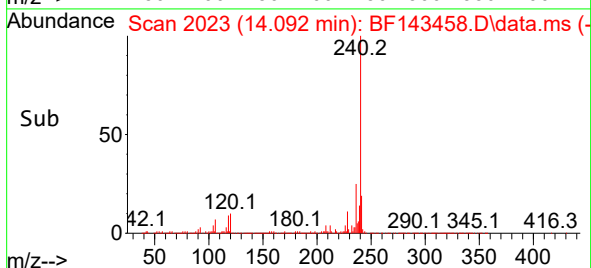
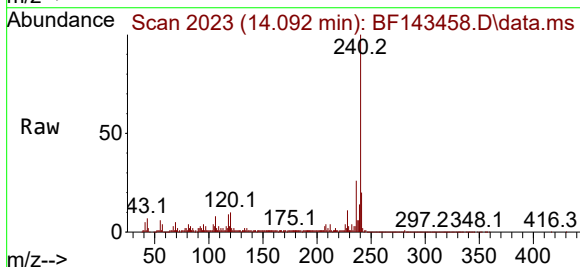
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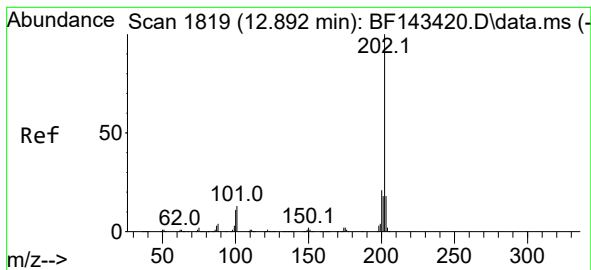
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

Tgt Ion:240 Resp: 286997
Ion Ratio Lower Upper
240 100
120 10.4 9.0 13.4
236 25.6 20.2 30.2





#78

Pyrene

Concen: 5.277 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425

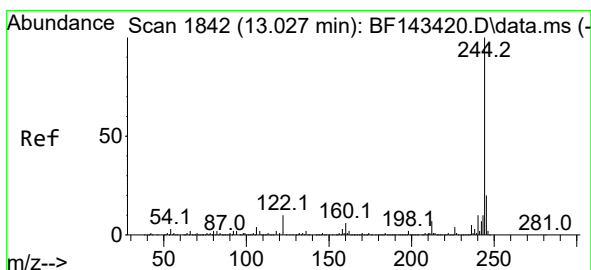
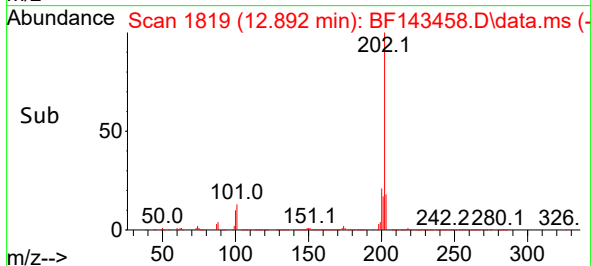
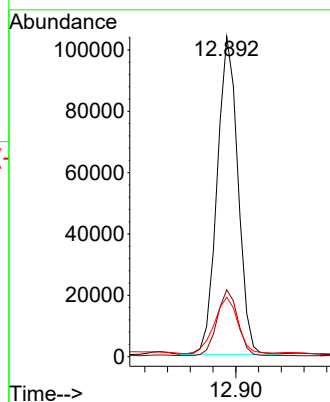
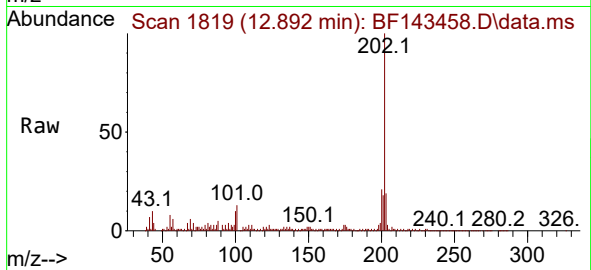
Tgt Ion:	202	Resp:	13164
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.1	25.7
203	18.6	14.2	21.2

Manual Integrations

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#79

Terphenyl-d14

Concen: 48.204 ng

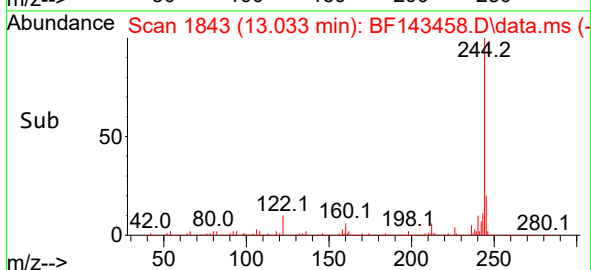
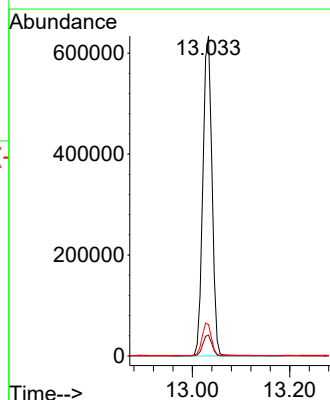
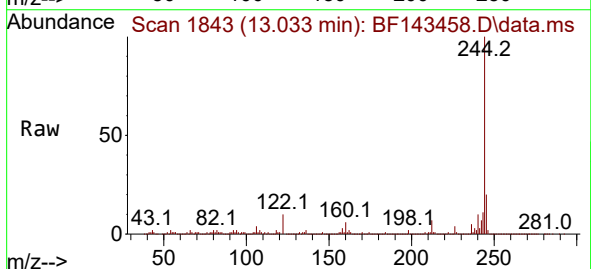
RT: 13.033 min Scan# 1843

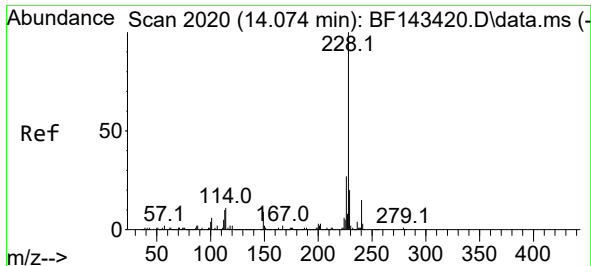
Delta R.T. 0.006 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

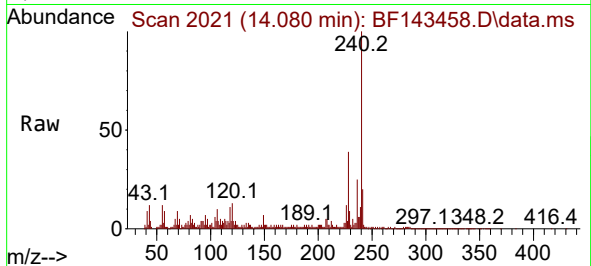
Tgt Ion:	244	Resp:	823554
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.2	7.8
122	9.8	8.3	12.5





#81
Benzo(a)anthracene
Concen: 3.723 ng
RT: 14.080 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

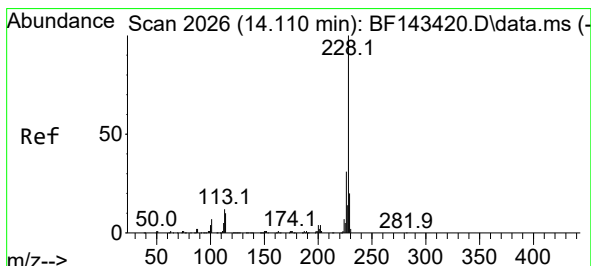
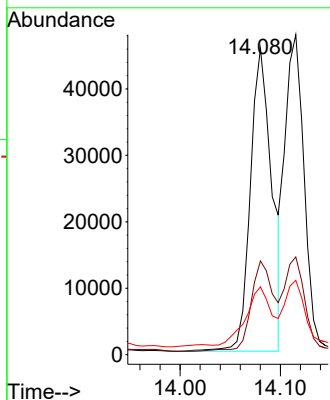
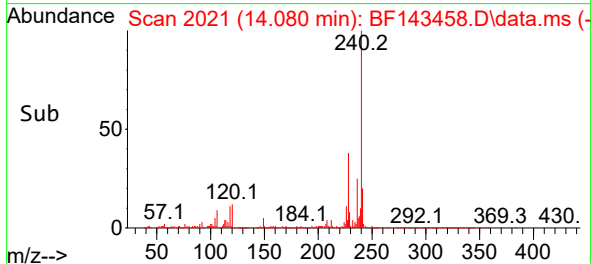
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



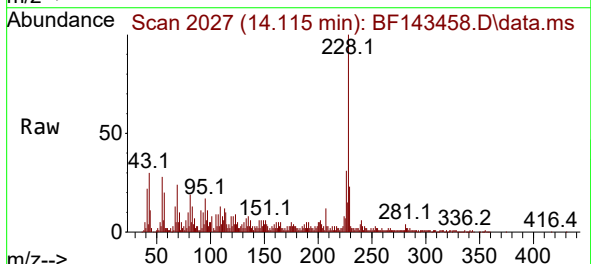
Tgt Ion:228 Resp: 68028
Ion Ratio Lower Upper
228 100
226 30.6 21.5 32.3
229 22.2 15.7 23.5

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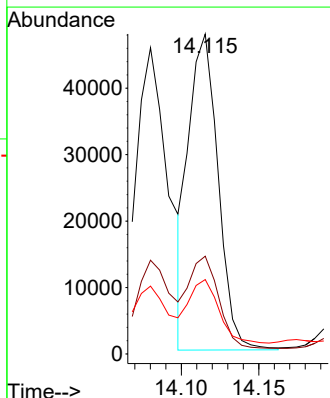
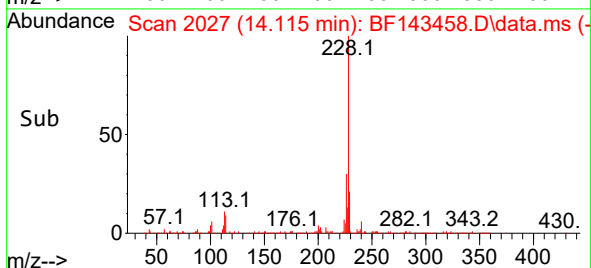
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

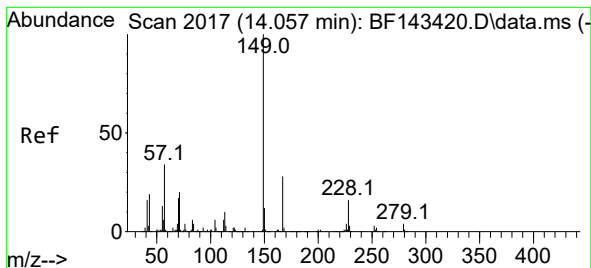


#83
Chrysene
Concen: 3.734 ng
RT: 14.115 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55



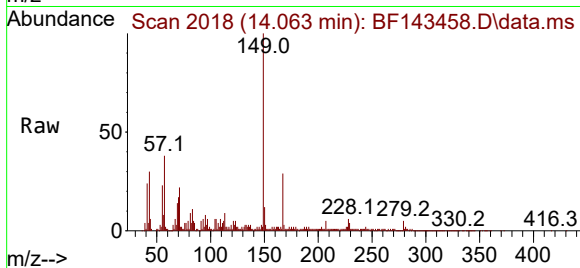
Tgt Ion:228 Resp: 63079
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 23.2 16.1 24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 15.036 ng
RT: 14.063 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55

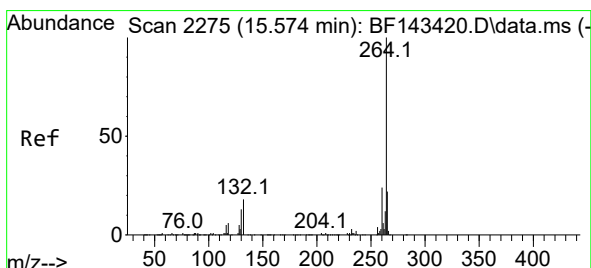
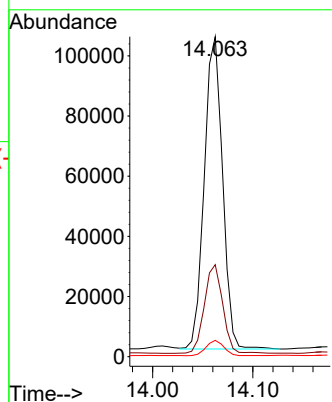
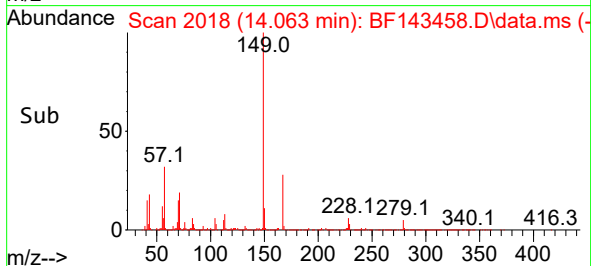
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP10-081425



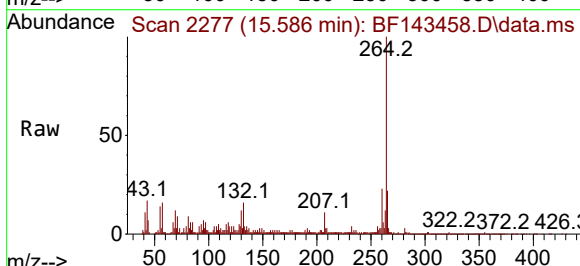
Tgt Ion:149 Resp: 131938
Ion Ratio Lower Upper
149 100
167 28.8 22.6 33.8
279 5.1 3.5 5.3

Manual Integrations
APPROVED

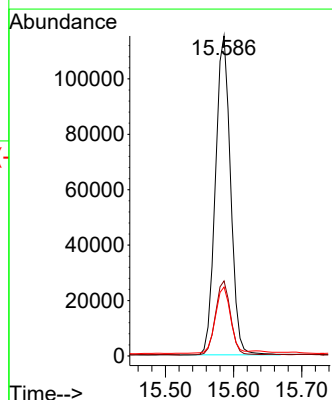
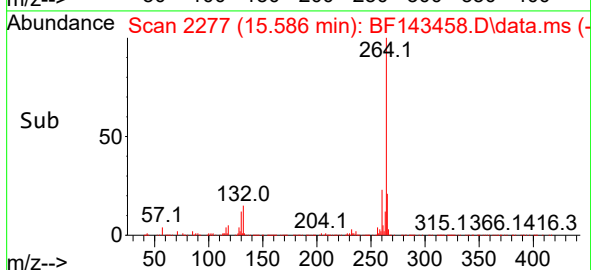
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

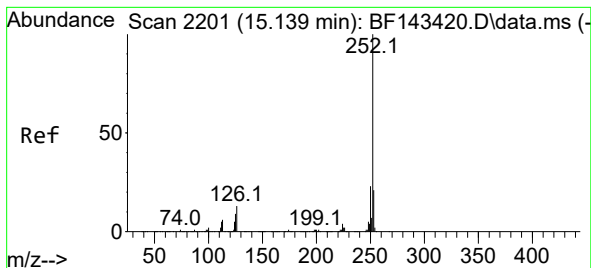


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF143458.D
Acq: 19 Aug 2025 15:55



Tgt Ion:264 Resp: 177608
Ion Ratio Lower Upper
264 100
260 23.4 18.8 28.2
265 21.6 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 6.308 ng m

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425

Tgt Ion:252 Resp: 6004

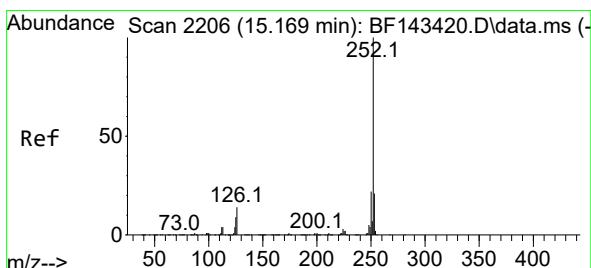
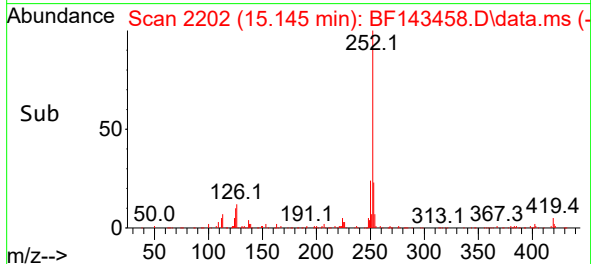
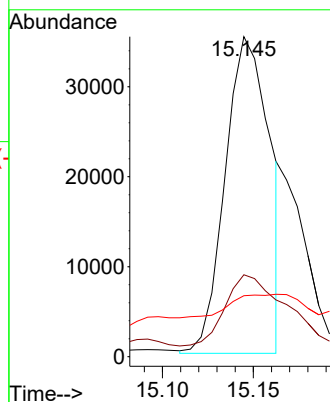
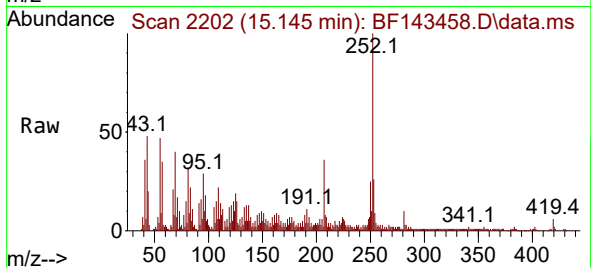
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	19.0	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#89

Benzo(k)fluoranthene

Concen: 2.246 ng m

RT: 15.162 min Scan# 2205

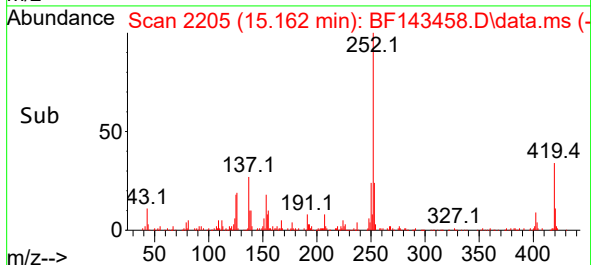
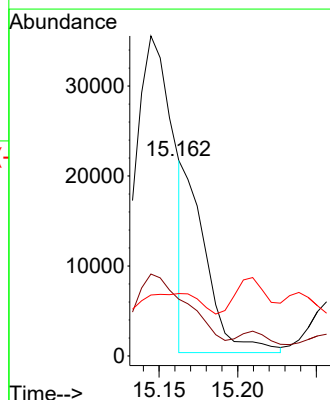
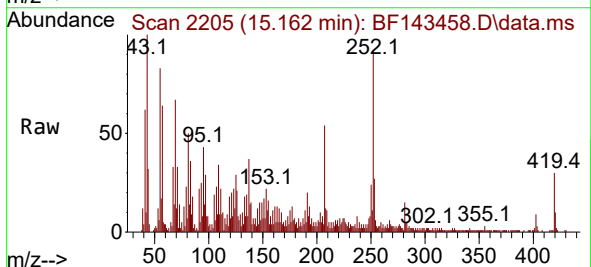
Delta R.T. -0.006 min

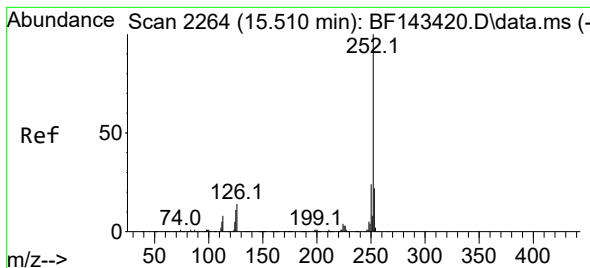
Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

Tgt Ion:252 Resp: 21092

Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.2	25.8#
125	31.9	7.4	11.2#





#90

Benzo(a)pyrene

Concen: 3.749 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP10-081425

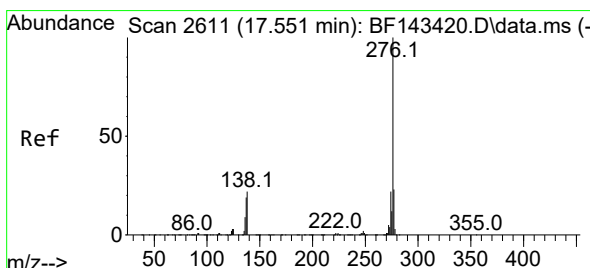
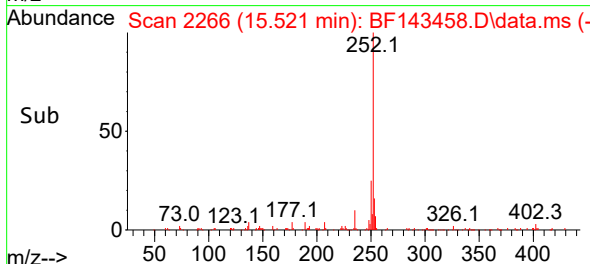
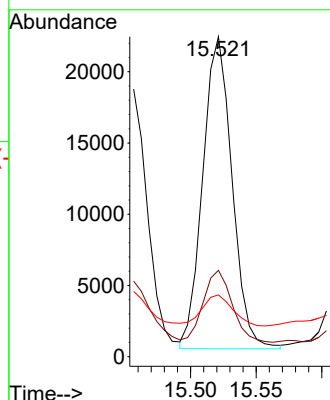
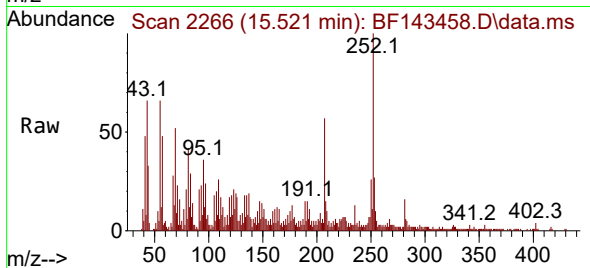
Tgt Ion:	252	Resp:	33994
Ion Ratio	Lower	Upper	
252	100		
253	27.0	17.4	26.2
125	19.3	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#92

Benzo(g,h,i)perylene

Concen: 2.429 ng

RT: 17.574 min Scan# 2615

Delta R.T. 0.023 min

Lab File: BF143458.D

Acq: 19 Aug 2025 15:55

Tgt Ion:	276	Resp:	25950
Ion Ratio	Lower	Upper	
276	100		
277	27.0	18.7	28.1
138	29.4	17.5	26.3

