

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143457.D
 Acq On : 19 Aug 2025 15:26
 Operator : RC/JU
 Sample : Q2879-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Manual Integrations
 APPROVED

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

Quant Time: Aug 19 16:02:18 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	111617	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	365896	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	170198	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	303592	20.000	ng	0.00
76) Chrysene-d12	14.092	240	288545	20.000	ng	0.00
86) Perylene-d12	15.580	264	189932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	314188	48.932	ng	0.00
7) Phenol-d6	6.563	99	363868	44.967	ng	0.00
23) Nitrobenzene-d5	7.481	82	223108	36.182	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	86970	57.410	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	406883	40.210	ng	0.00
79) Terphenyl-d14	13.027	244	544243	31.685	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.663	202	108913	7.456	ng	100
78) Pyrene	12.892	202	97658	3.894	ng	99
81) Benzo(a)anthracene	14.080	228	69261	3.770	ng	92
83) Chrysene	14.116	228	60557	3.566	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	27243	3.088	ng	# 97
88) Benzo(b)fluoranthene	15.145	252	64226m	6.309	ng	
89) Benzo(k)fluoranthene	15.163	252	20728m	2.064	ng	
90) Benzo(a)pyrene	15.521	252	36895	3.805	ng	# 89
92) Benzo(g,h,i)perylene	17.568	276	25410	2.224	ng	# 87

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

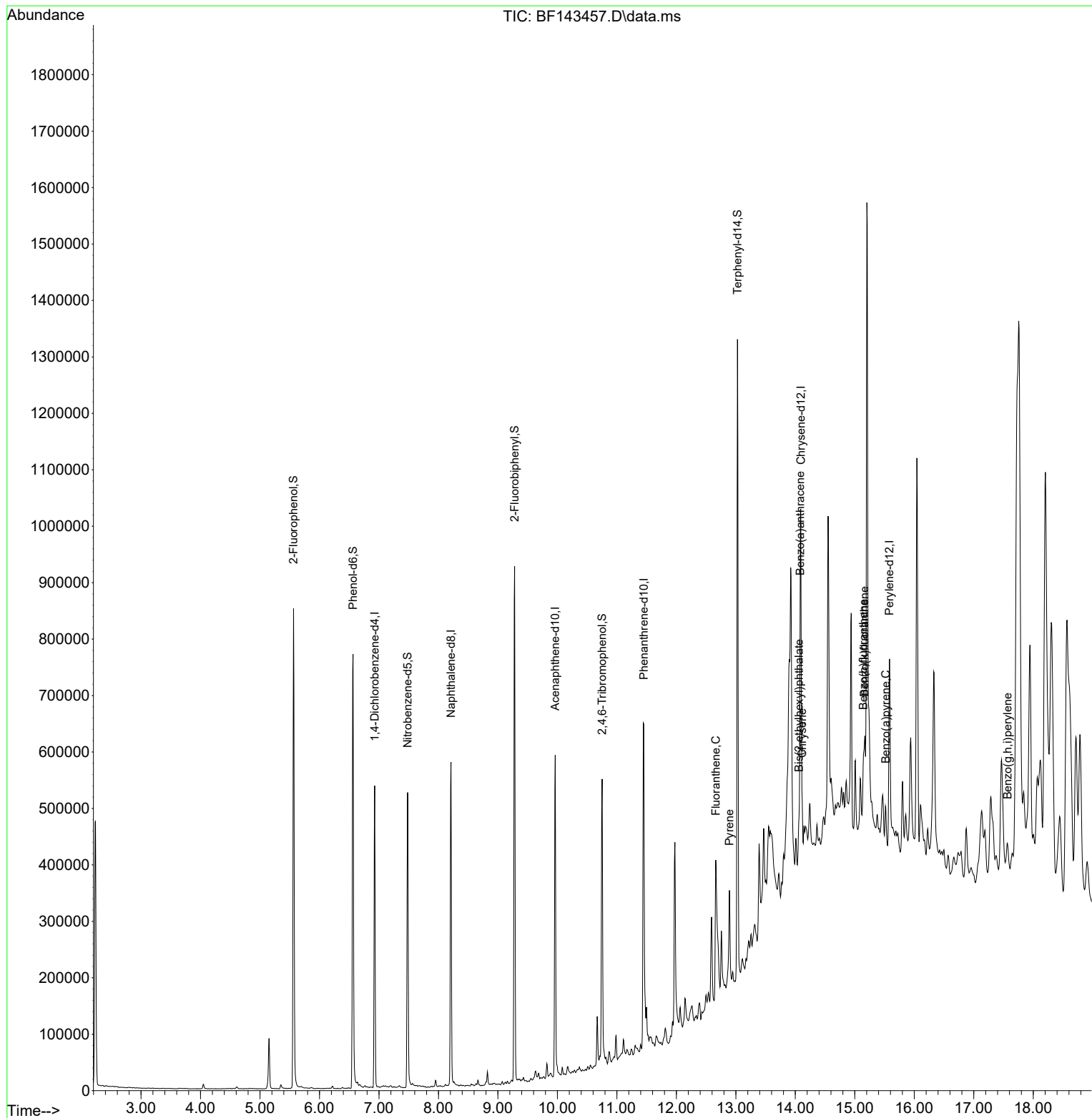
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143457.D
Acq On : 19 Aug 2025 15:26
Operator : RC/JU
Sample : Q2879-13
Misc :
ALS Vial : 14 Sample Multiplier: 1

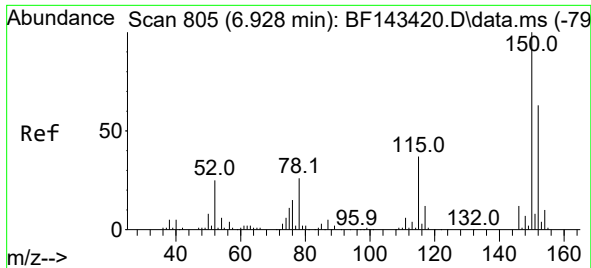
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 19 16:02:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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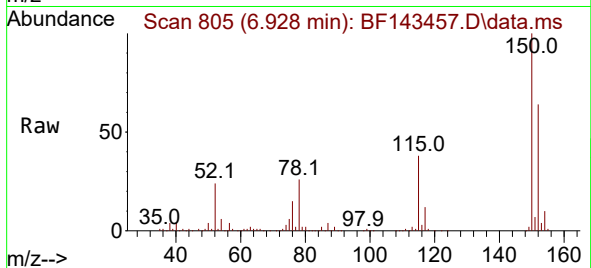
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

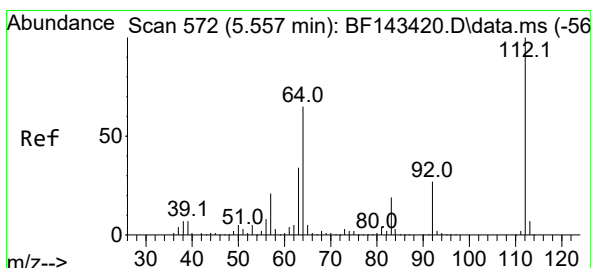
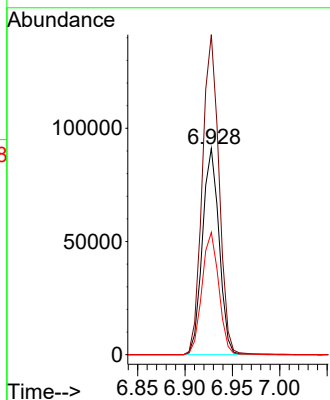
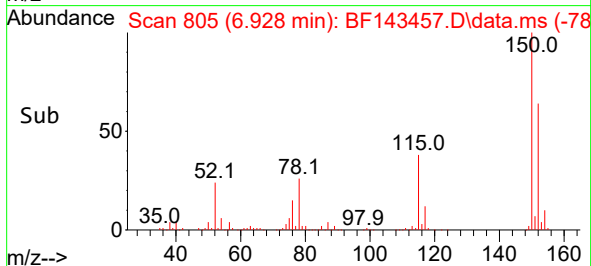
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



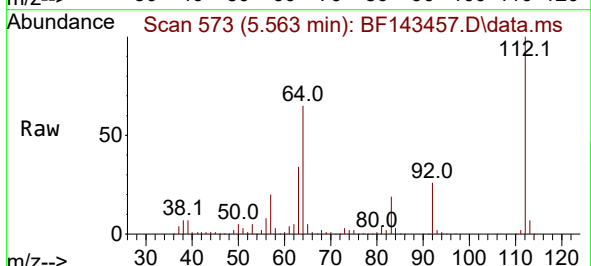
Tgt Ion:152 Resp: 111617
Ion Ratio Lower Upper
152 100
150 155.2 127.4 191.2
115 59.3 47.5 71.3

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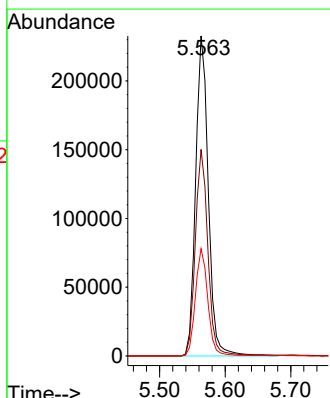
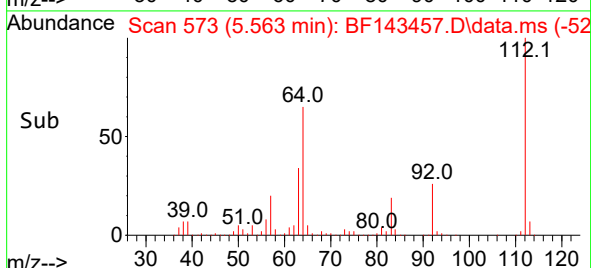
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

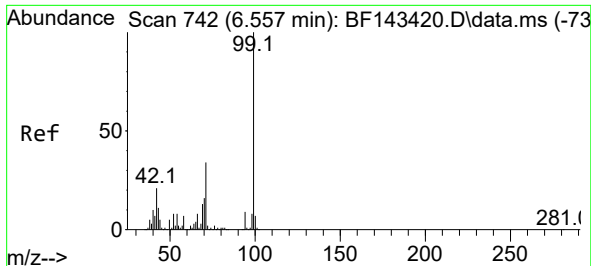


#5
2-Fluorophenol
Concen: 48.932 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26



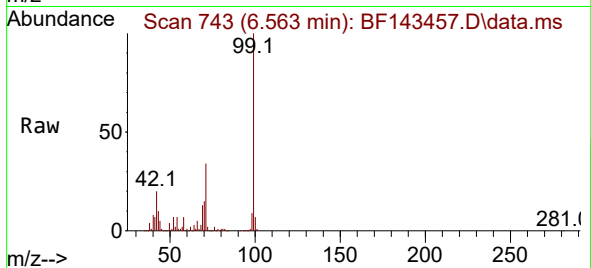
Tgt Ion:112 Resp: 314188
Ion Ratio Lower Upper
112 100
64 64.6 52.2 78.2
63 33.5 27.0 40.6





#7
Phenol-d6
Concen: 44.967 ng
RT: 6.563 min Scan# 742
Delta R.T. 0.006 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

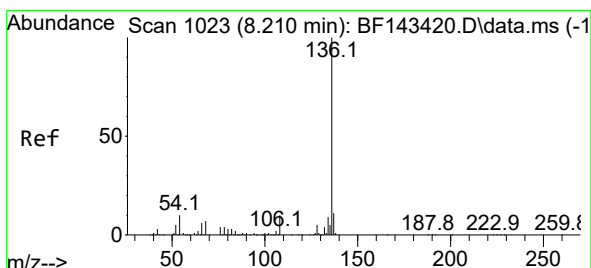
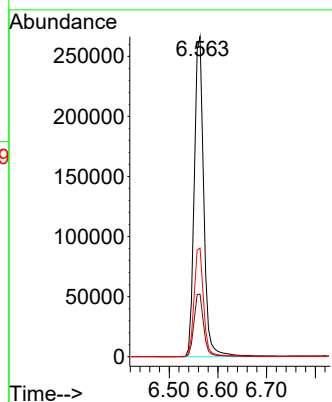
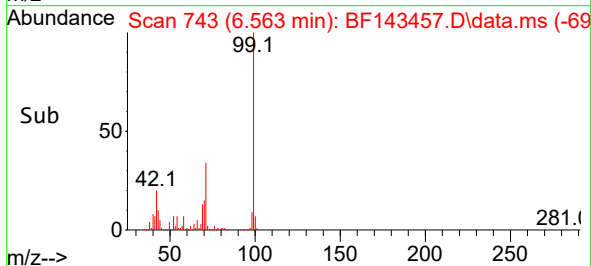
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



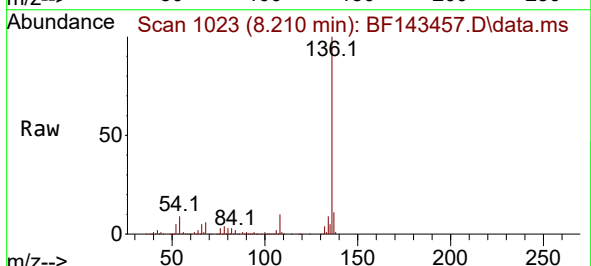
Tgt Ion: 99 Resp: 363868
Ion Ratio Lower Upper
99 100
42 19.6 17.0 25.6
71 34.0 27.4 41.2

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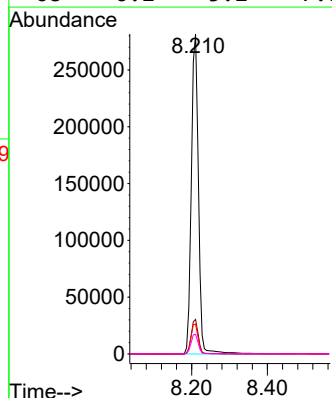
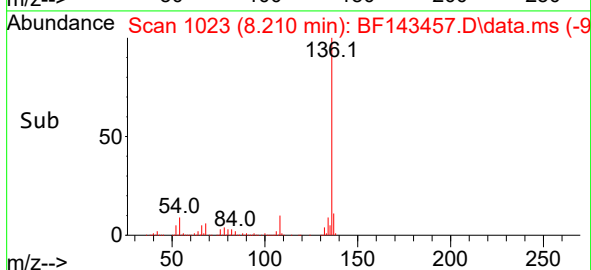
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

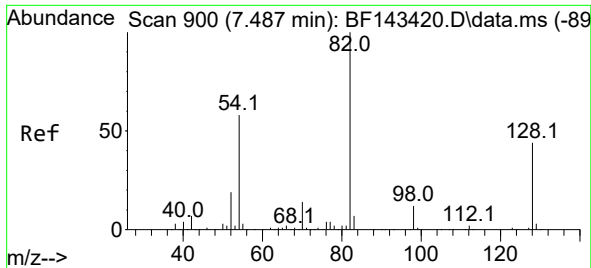


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26



Tgt Ion:136 Resp: 365896
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.3 7.8 11.8
68 6.2 5.2 7.8





#23

Nitrobenzene-d5

Concen: 36.182 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143457.D

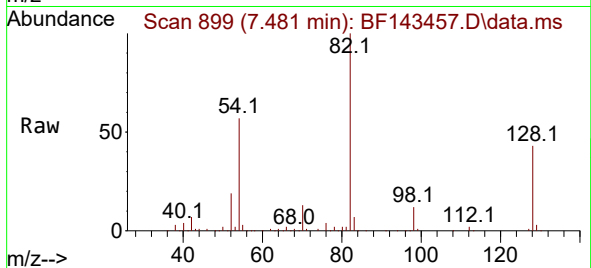
Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425



Tgt Ion: 82 Resp: 223108

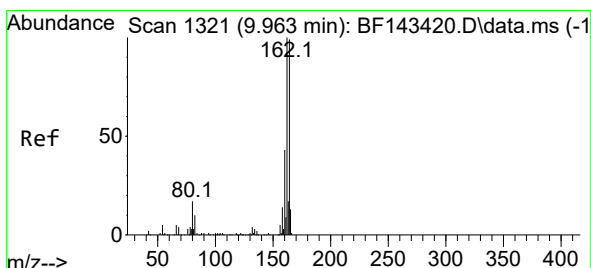
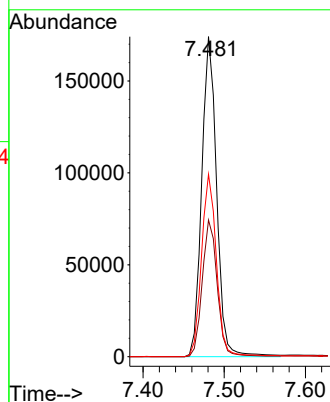
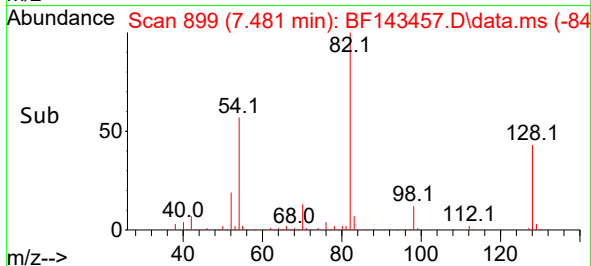
Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	52.0
54	57.0	46.0	69.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

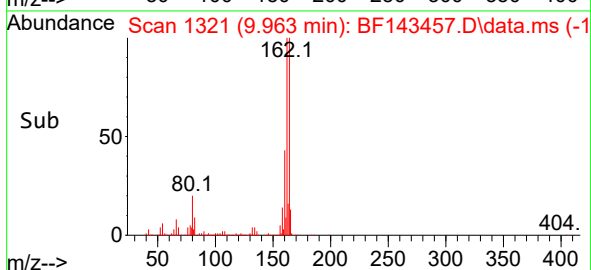
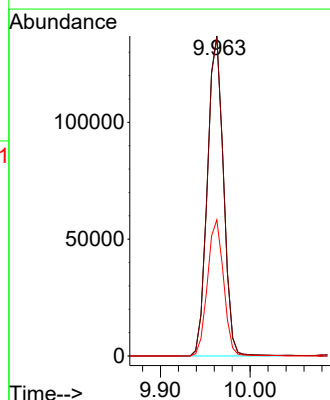
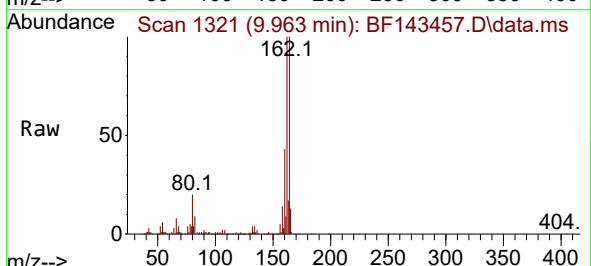
Delta R.T. -0.000 min

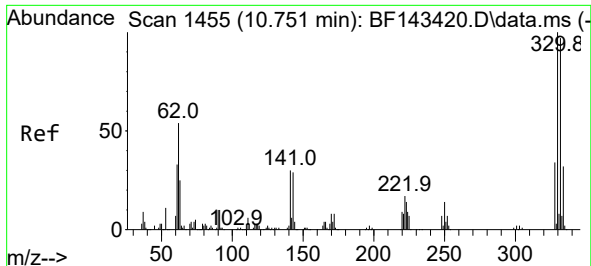
Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Tgt Ion:164 Resp: 170198

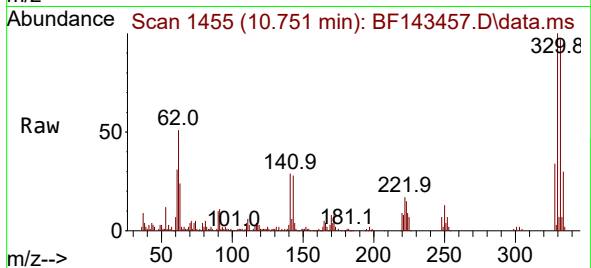
Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	121.0
160	42.6	34.6	51.8





#42
2,4,6-Tribromophenol
Concen: 57.410 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

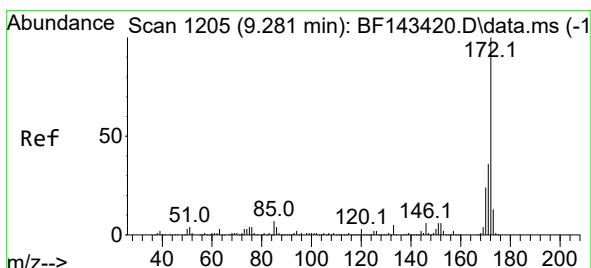
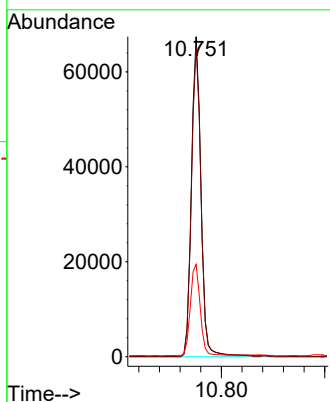
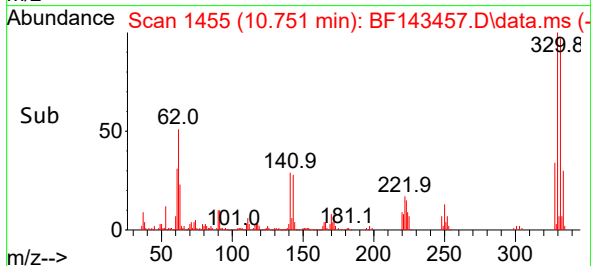
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



Tgt Ion: 330 Resp: 86970
Ion Ratio Lower Upper
330 100
332 96.0 77.4 116.2
141 28.8 24.1 36.1

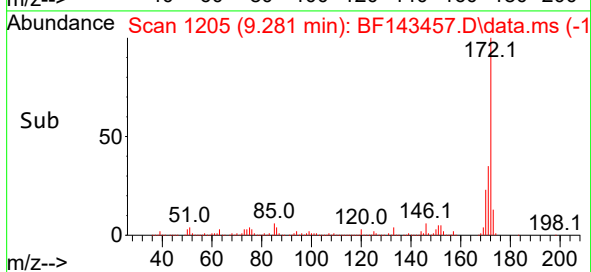
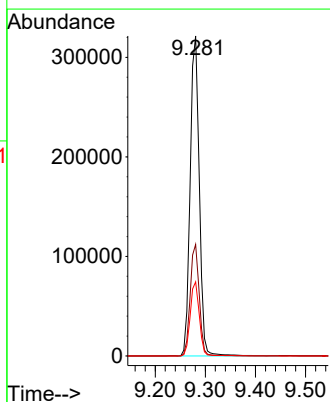
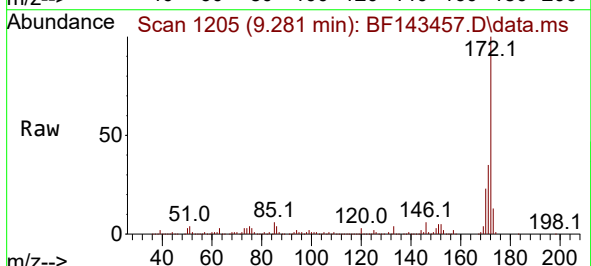
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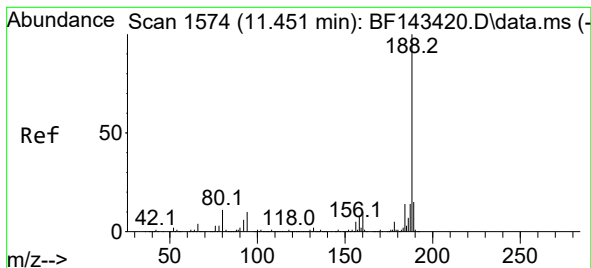
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#45
2-Fluorobiphenyl
Concen: 40.210 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

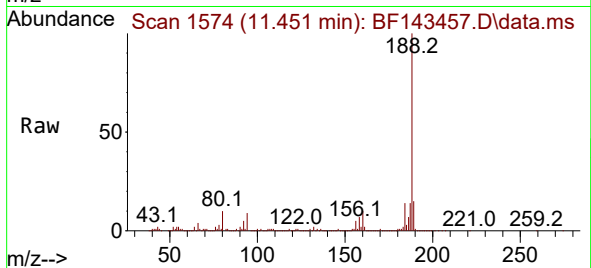
Tgt Ion: 172 Resp: 406883
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

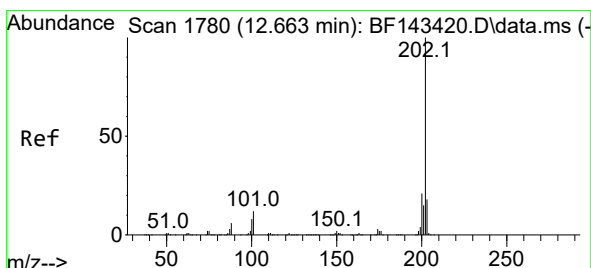
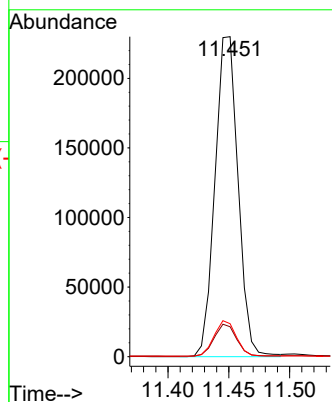
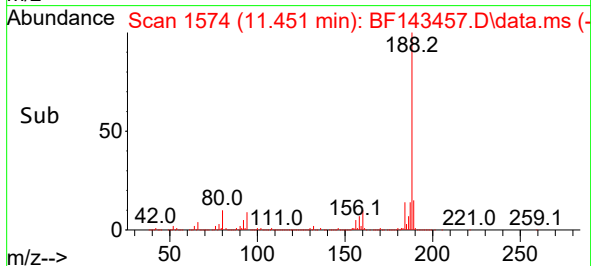
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425



Tgt Ion:188 Resp: 303592
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.3 8.6 12.8

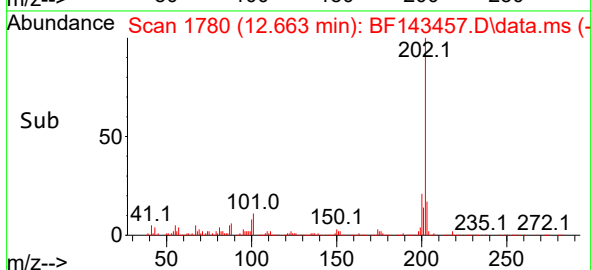
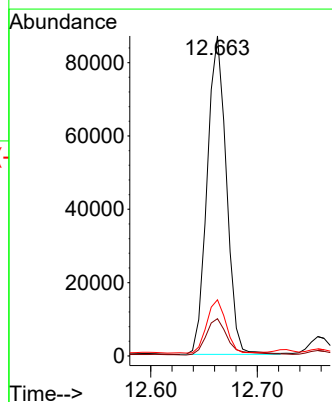
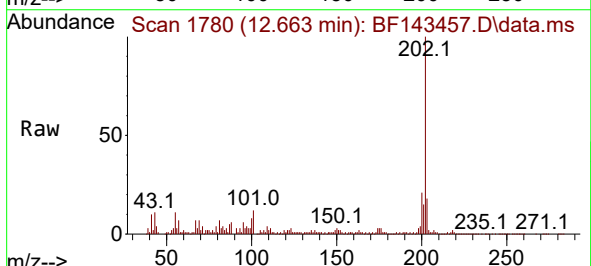
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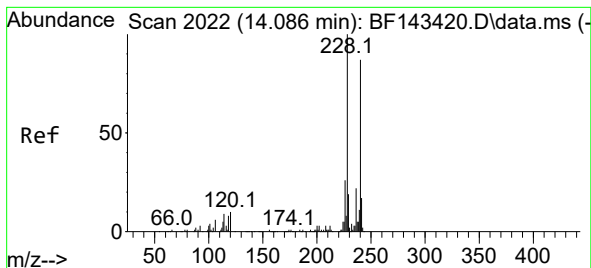
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#75
Fluoranthene
Concen: 7.456 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143457.D
Acq: 19 Aug 2025 15:26

Tgt Ion:202 Resp: 108913
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.5
203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.092 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

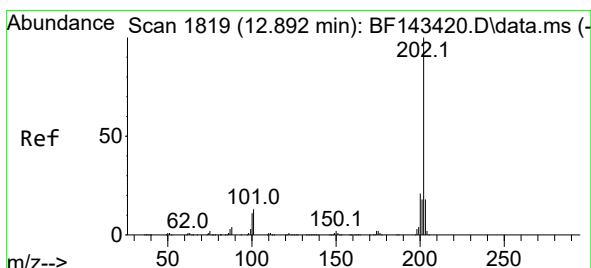
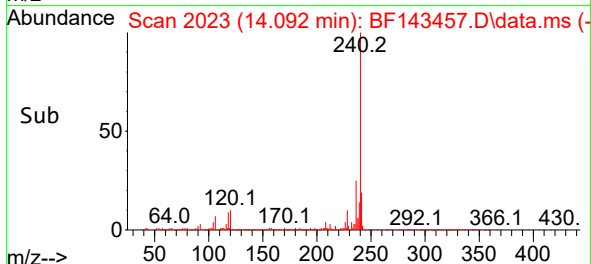
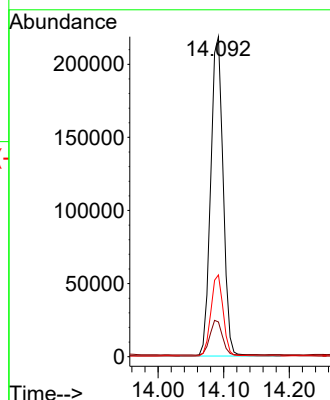
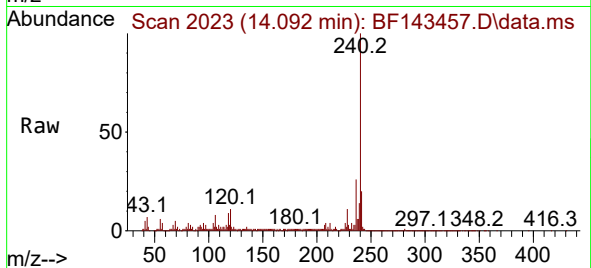
Tgt Ion:240 Resp: 288545
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.0 13.4
 236 25.5 20.2 30.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/20/2025



#78

Pyrene

Concen: 3.894 ng

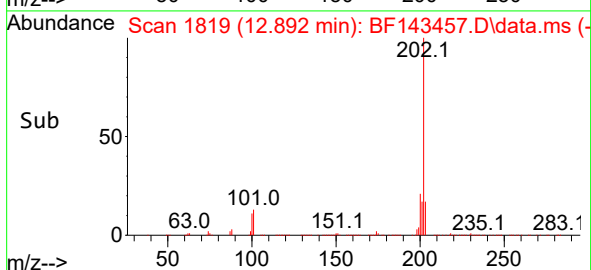
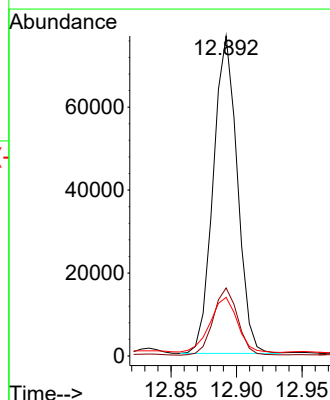
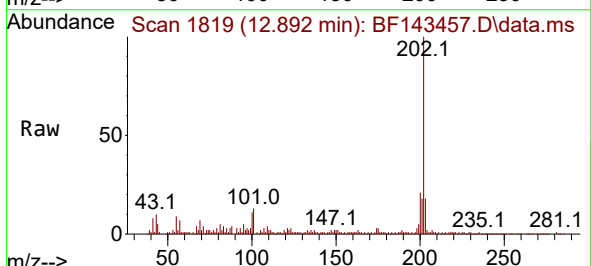
RT: 12.892 min Scan# 1819

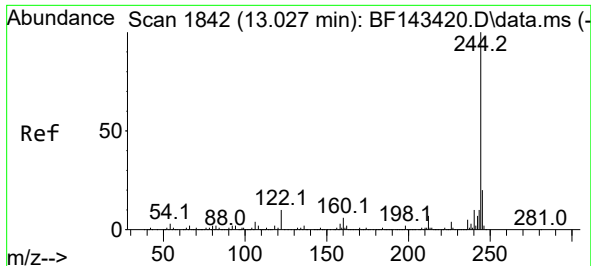
Delta R.T. -0.000 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

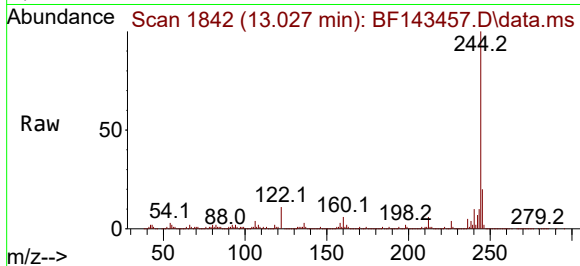
Tgt Ion:202 Resp: 97658
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.1 25.7
 203 18.3 14.2 21.2





#79
 Terphenyl-d14
 Concen: 31.685 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143457.D
 Acq: 19 Aug 2025 15:26

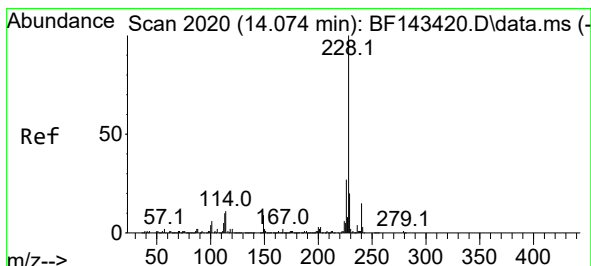
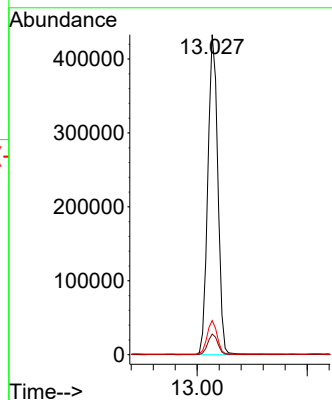
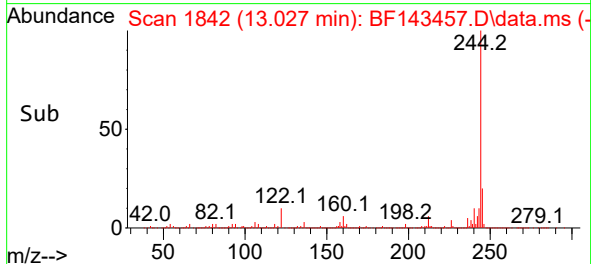
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP09-081425



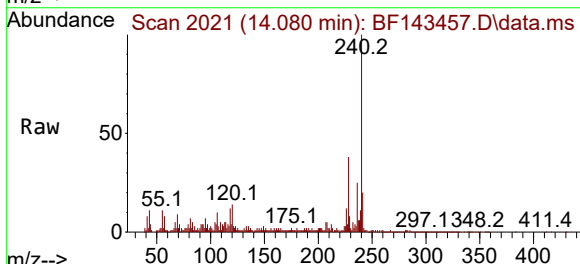
Tgt Ion:244 Resp: 54424
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 10.6 8.3 12.5

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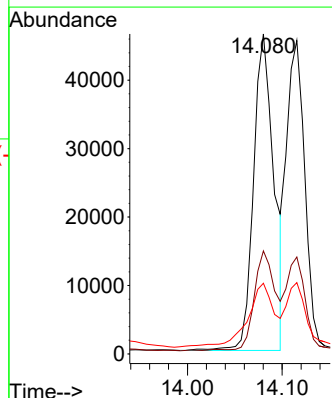
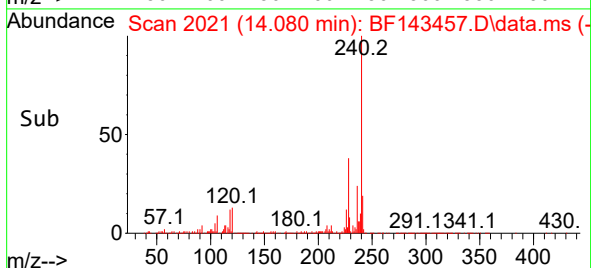
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

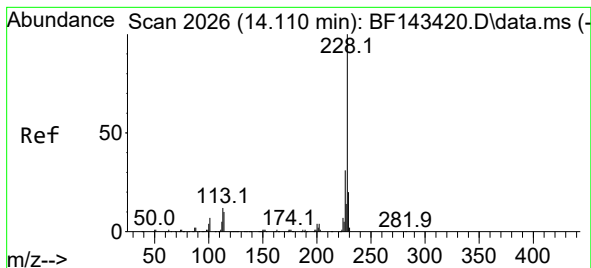


#81
 Benzo(a)anthracene
 Concen: 3.770 ng
 RT: 14.080 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: BF143457.D
 Acq: 19 Aug 2025 15:26



Tgt Ion:228 Resp: 69261
 Ion Ratio Lower Upper
 228 100
 226 32.2 21.5 32.3
 229 22.1 15.7 23.5





#83

Chrysene

Concen: 3.566 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

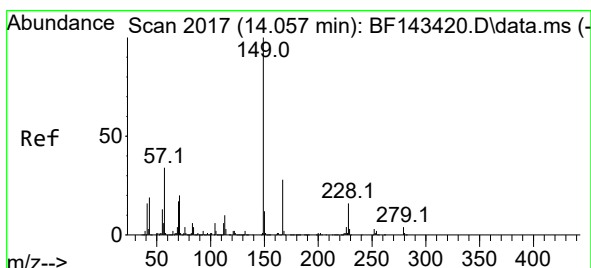
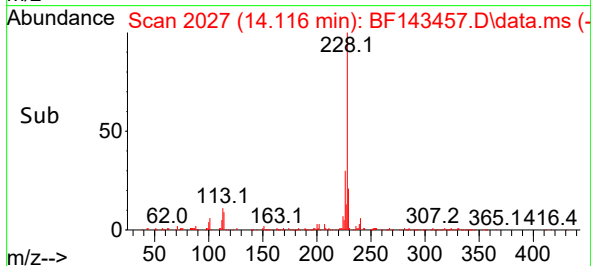
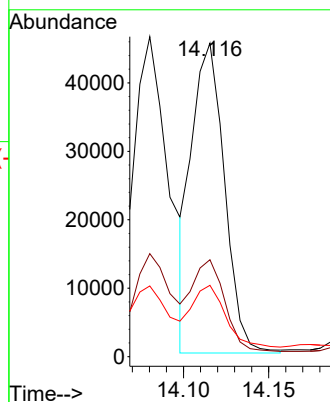
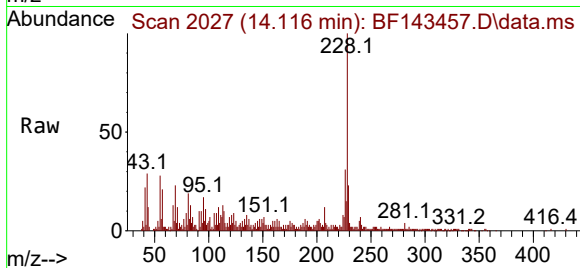
Tgt Ion:228 Resp: 6055
 Ion Ratio Lower Upper
 228 100
 226 30.9 24.3 36.5
 229 22.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.088 ng

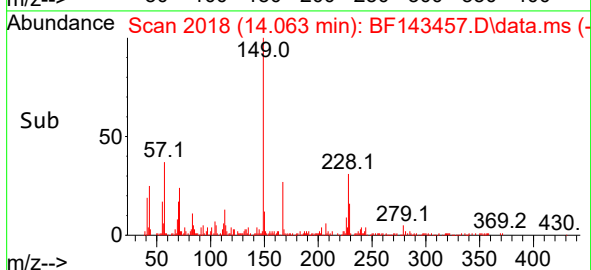
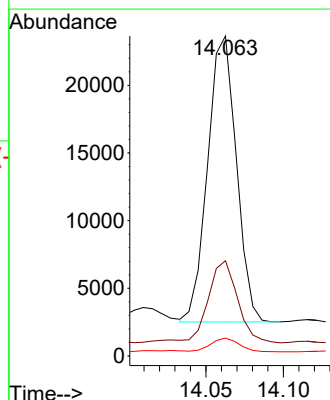
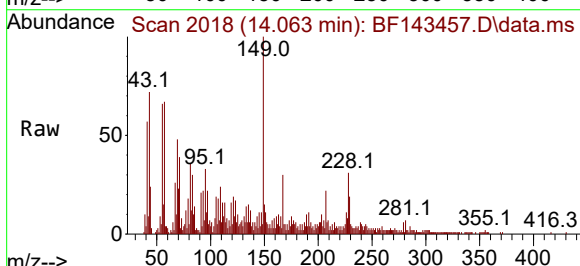
RT: 14.063 min Scan# 2018

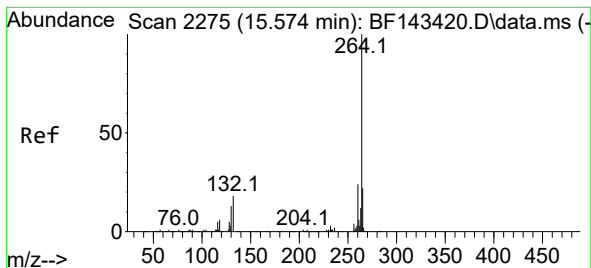
Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Tgt Ion:149 Resp: 27243
 Ion Ratio Lower Upper
 149 100
 167 29.7 22.6 33.8
 279 5.6 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

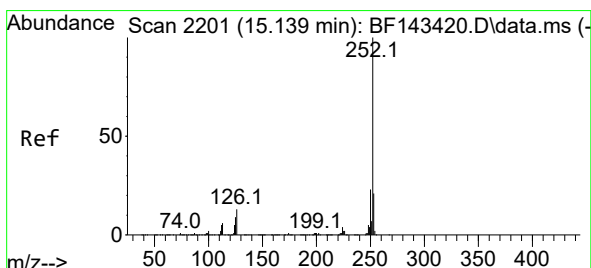
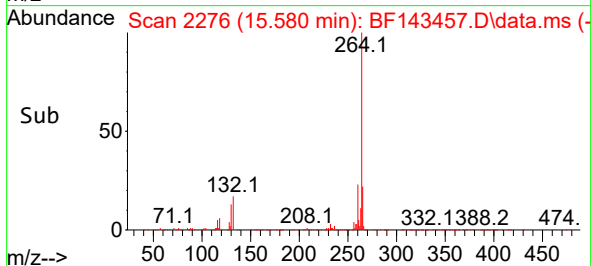
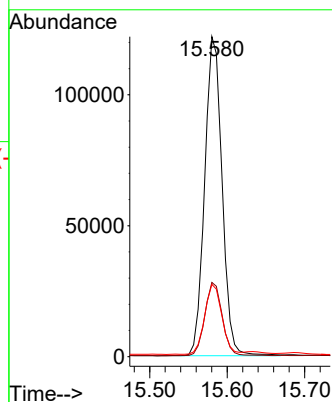
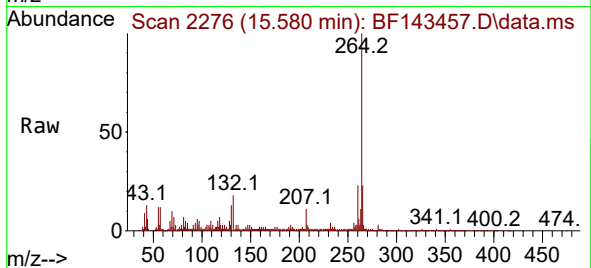
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:264 Resp: 18993
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.8 28.2
 265 22.6 17.4 26.0

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: 6.309 ng m

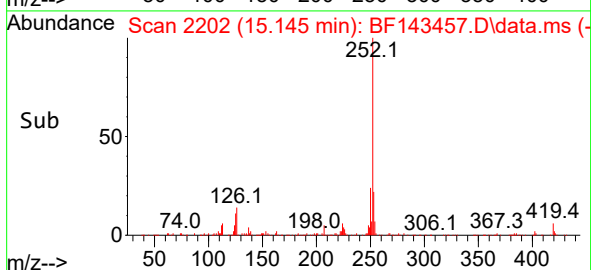
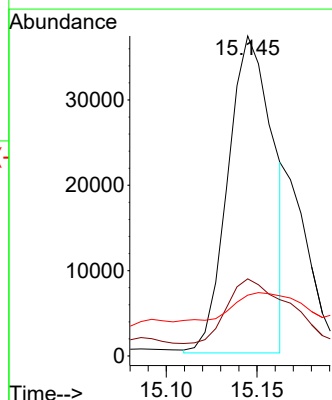
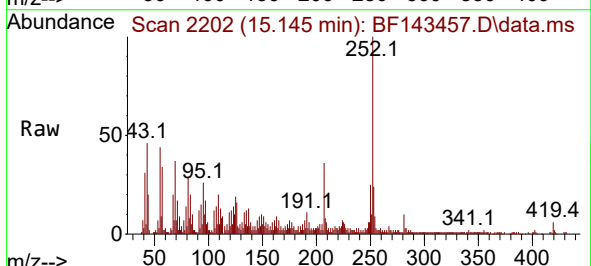
RT: 15.145 min Scan# 2202

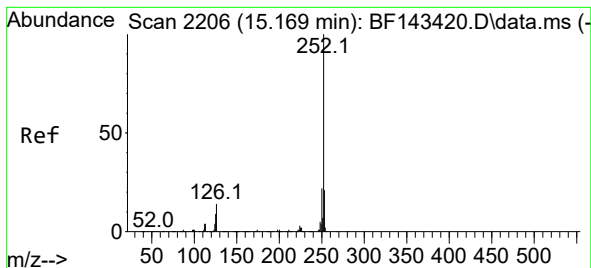
Delta R.T. 0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Tgt Ion:252 Resp: 64226
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.1 25.7
 125 19.0 7.5 11.3#





#89

Benzo(k)fluoranthene

Concen: 2.064 ng m

RT: 15.163 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

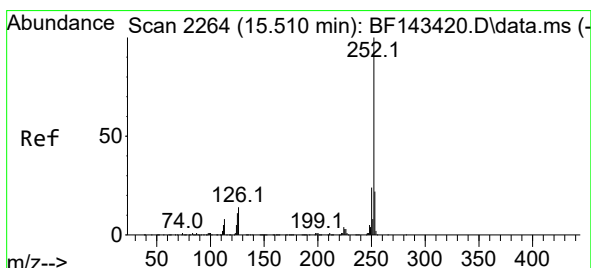
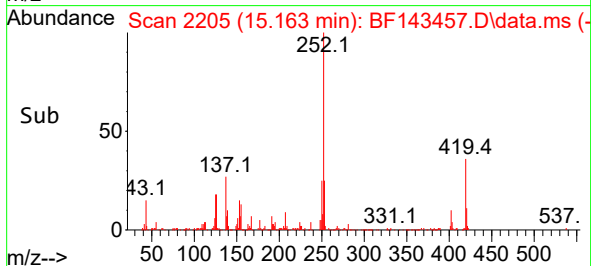
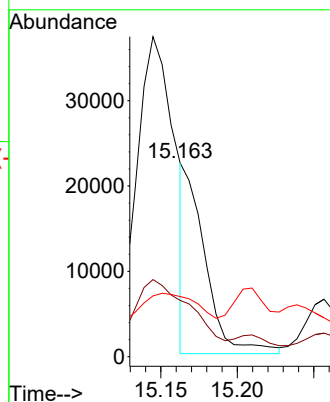
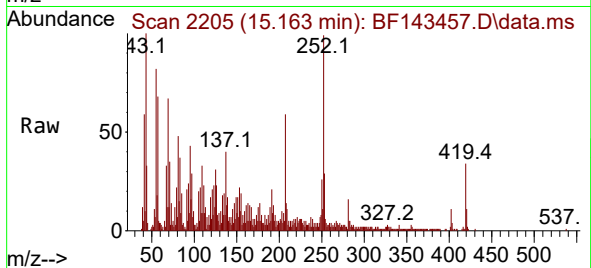
Tgt Ion:	252	Resp:	20728
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.2	25.8
125	31.0	7.4	11.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#90

Benzo(a)pyrene

Concen: 3.805 ng

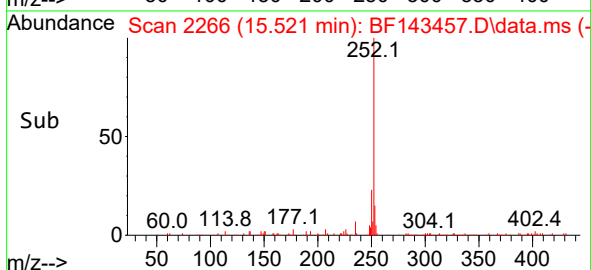
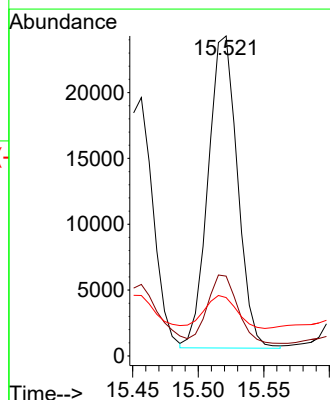
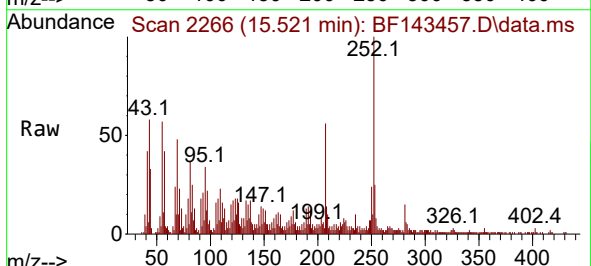
RT: 15.521 min Scan# 2266

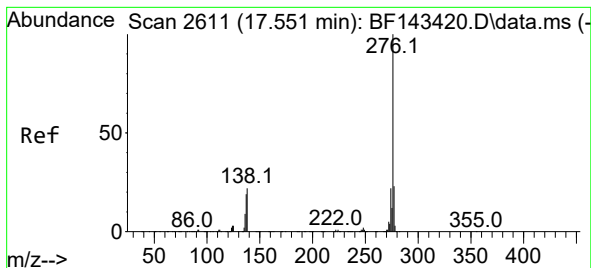
Delta R.T. 0.012 min

Lab File: BF143457.D

Acq: 19 Aug 2025 15:26

Tgt Ion:	252	Resp:	36895
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.4	26.2
125	18.3	8.6	12.8





#92

Benzo(g,h,i)perylene

Concen: 2.224 ng

RT: 17.568 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF143457.D

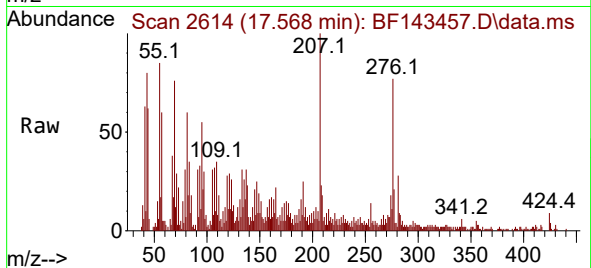
Acq: 19 Aug 2025 15:26

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425



Tgt Ion:	276	Resp:	25410
Ion Ratio	Lower	Upper	
276	100		
277	27.4	18.7	28.1
138	30.4	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025

