

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143456.D
 Acq On : 19 Aug 2025 14:57
 Operator : RC/JU
 Sample : Q2879-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 19 15:23:55 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	98829	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	307720	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	157233	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	284588	20.000	ng	0.00
76) Chrysene-d12	14.092	240	279953	20.000	ng	0.00
86) Perylene-d12	15.580	264	184800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	340026	59.808	ng	0.00
7) Phenol-d6	6.557	99	406539	56.741	ng	0.00
23) Nitrobenzene-d5	7.481	82	256663	49.493	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	104537	74.696	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	470643	50.347	ng	0.00
79) Terphenyl-d14	13.027	244	695073	41.708	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	42555	2.761	ng	98
75) Fluoranthene	12.663	202	142859	10.433	ng	99
78) Pyrene	12.892	202	128011	5.261	ng	99
81) Benzo(a)anthracene	14.080	228	75556	4.239	ng	92
83) Chrysene	14.116	228	68136	4.135	ng	97
84) Bis(2-ethylhexyl)phtha...	14.063	149	37889	4.427	ng	99
88) Benzo(b)fluoranthene	15.145	252	72524m	7.322	ng	
89) Benzo(k)fluoranthene	15.163	252	22536m	2.307	ng	
90) Benzo(a)pyrene	15.516	252	40067	4.247	ng	# 87
92) Benzo(g,h,i)perylene	17.568	276	28343	2.549	ng	# 91

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

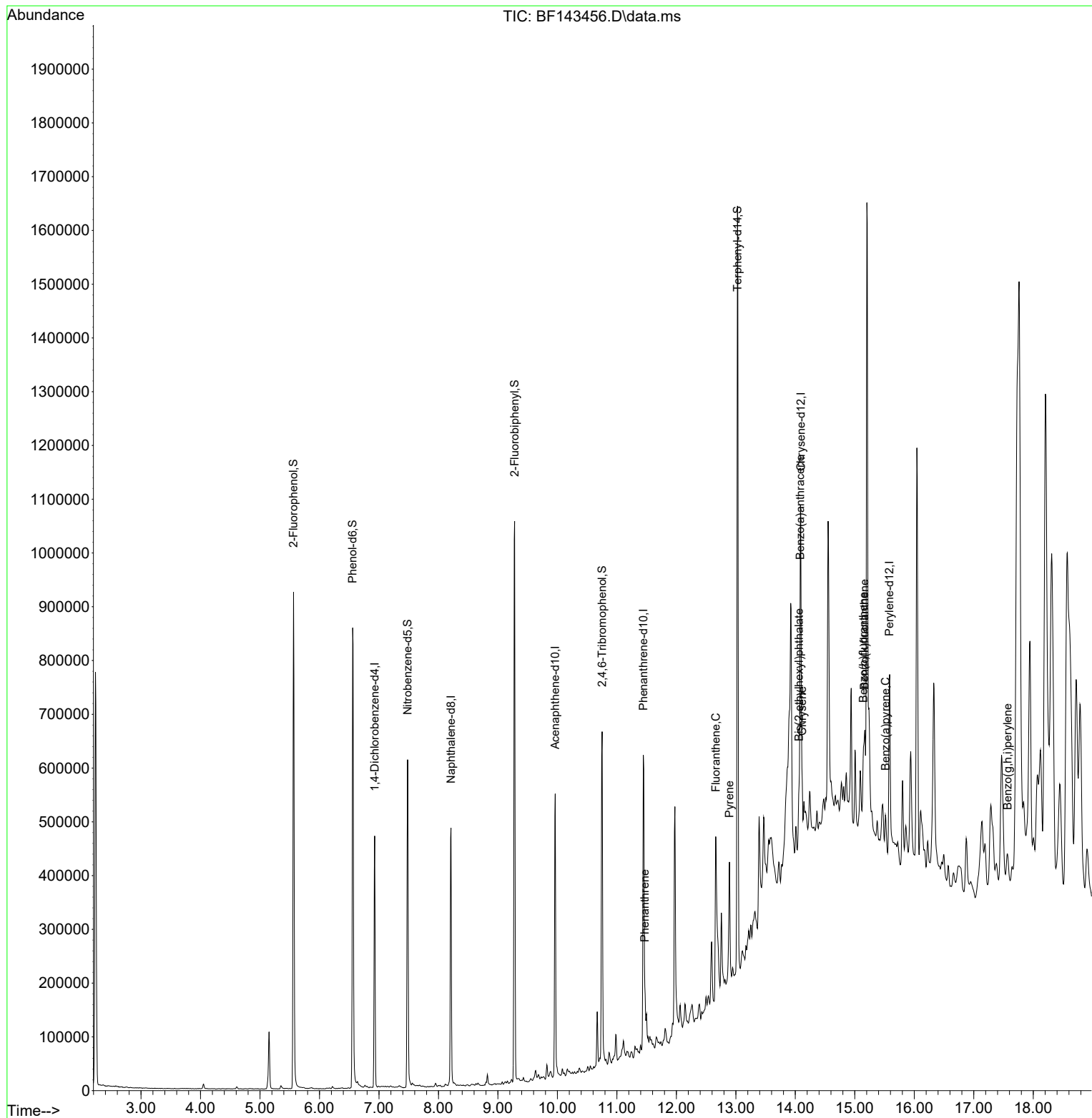
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143456.D
Acq On : 19 Aug 2025 14:57
Operator : RC/JU
Sample : Q2879-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

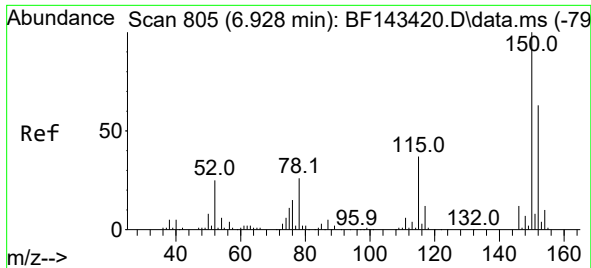
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 19 15:23:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
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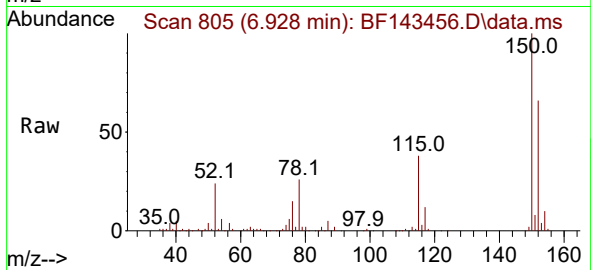
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

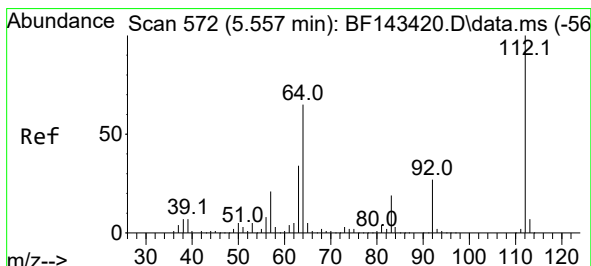
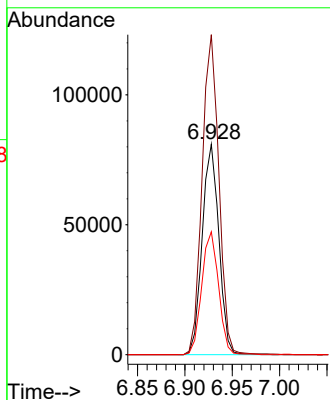
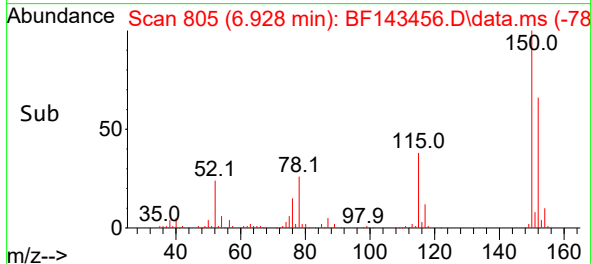
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



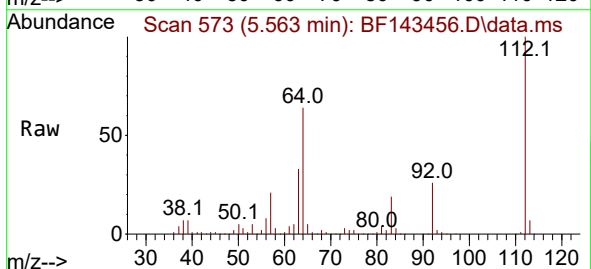
Tgt Ion:152 Resp: 98829
Ion Ratio Lower Upper
152 100
150 152.0 127.4 191.2
115 58.4 47.5 71.3

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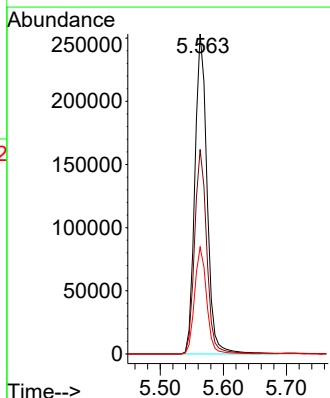
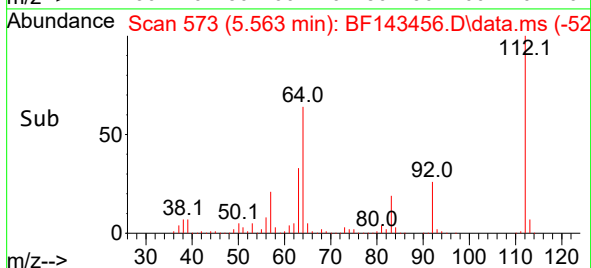
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

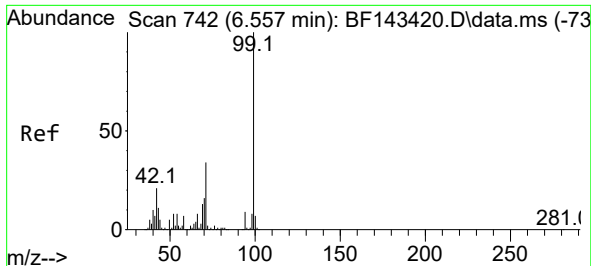


#5
2-Fluorophenol
Concen: 59.808 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57



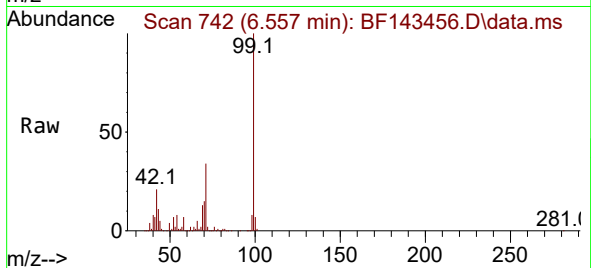
Tgt Ion:112 Resp: 340026
Ion Ratio Lower Upper
112 100
64 63.9 52.2 78.2
63 33.4 27.0 40.6





#7
Phenol-d6
Concen: 56.741 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

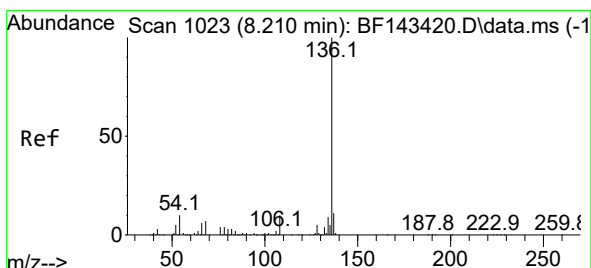
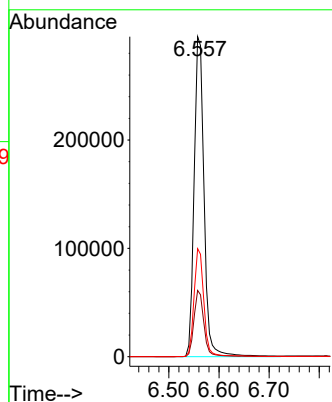
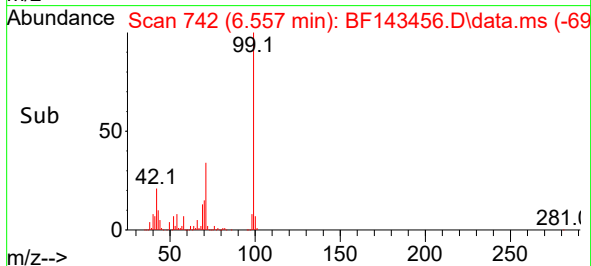
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



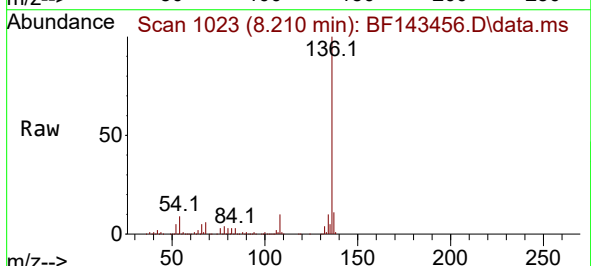
Tgt Ion: 99 Resp: 406539
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 33.8 27.4 41.2

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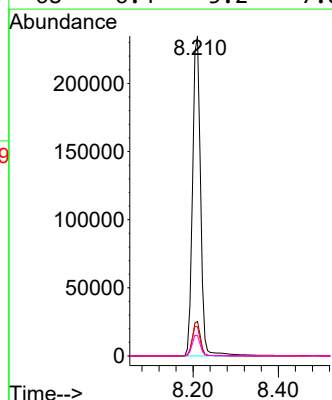
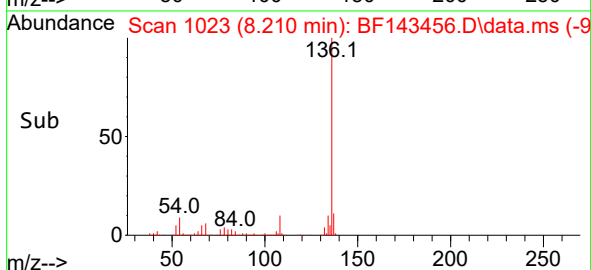
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

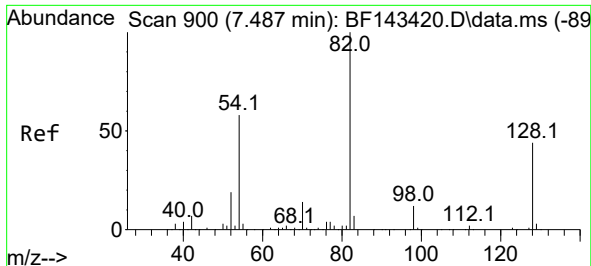


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57



Tgt Ion:136 Resp: 307720
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 9.1 7.8 11.8
68 6.4 5.2 7.8





#23

Nitrobenzene-d5

Concen: 49.493 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF143456.D

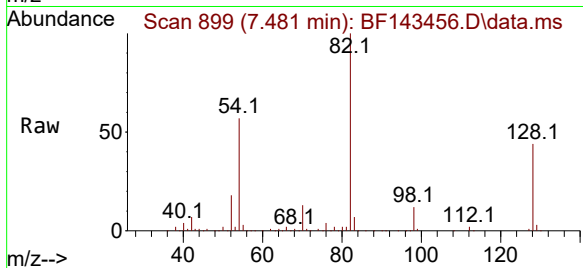
Acq: 19 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425



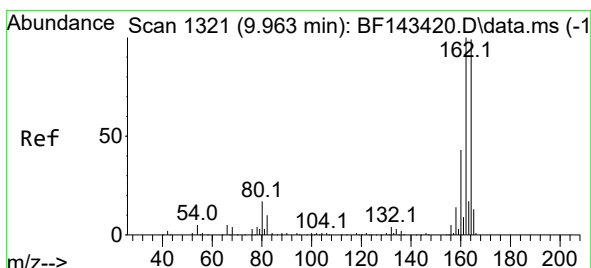
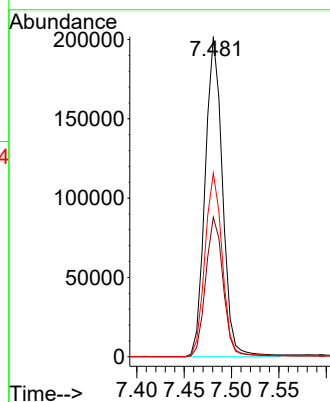
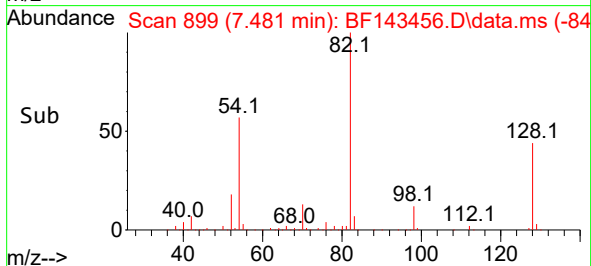
Tgt Ion:	82	Resp:	25666
Ion Ratio	Lower	Upper	
82	100		
128	43.6	34.6	52.0
54	57.3	46.0	69.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

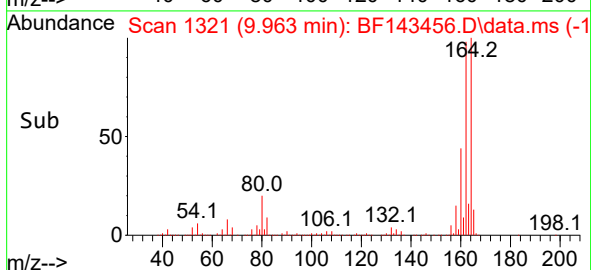
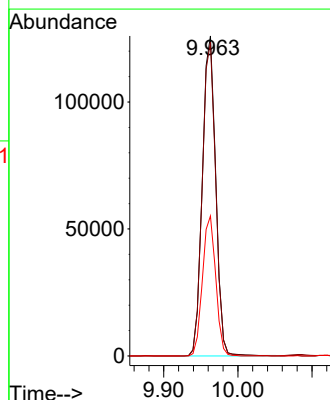
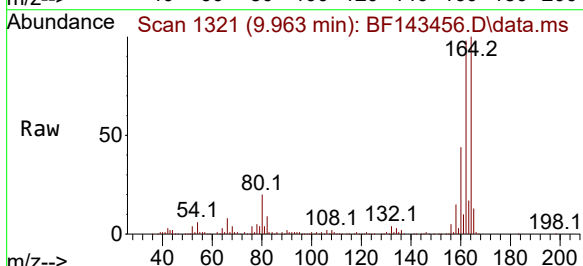
RT: 9.963 min Scan# 1321

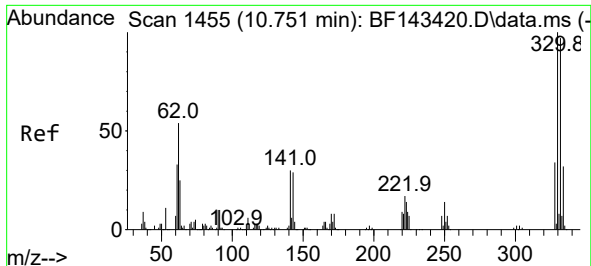
Delta R.T. -0.000 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

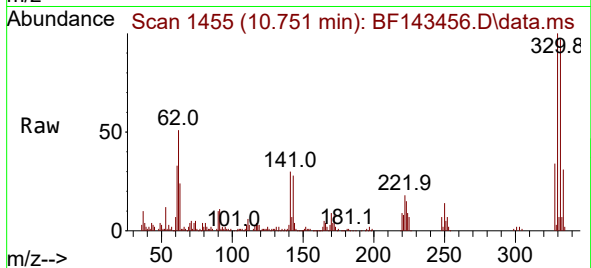
Tgt Ion:	164	Resp:	157233
Ion Ratio	Lower	Upper	
164	100		
162	98.1	80.6	121.0
160	43.7	34.6	51.8





#42
2,4,6-Tribromophenol
Concen: 74.696 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

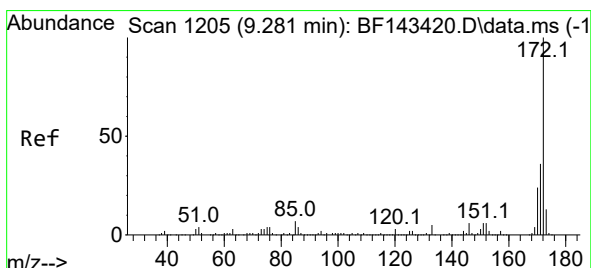
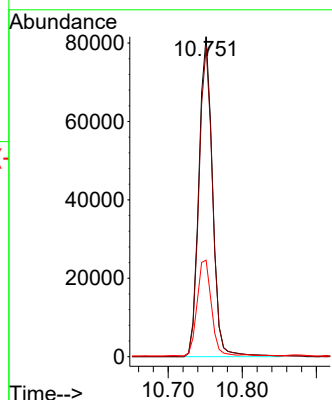
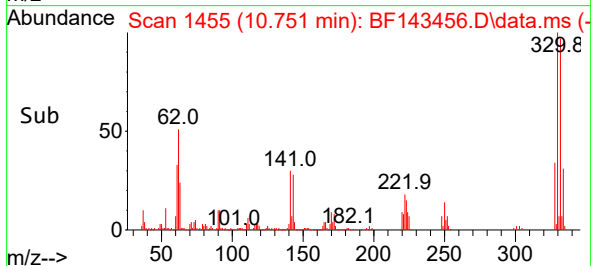
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



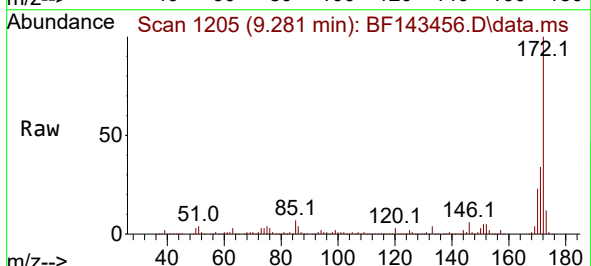
Tgt Ion:330 Resp: 10453
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 30.9 24.1 36.1

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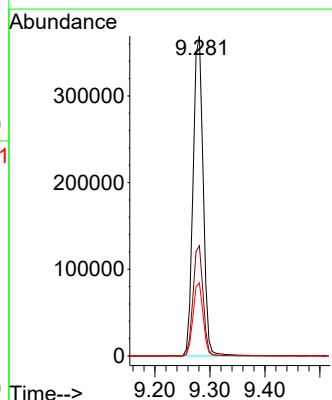
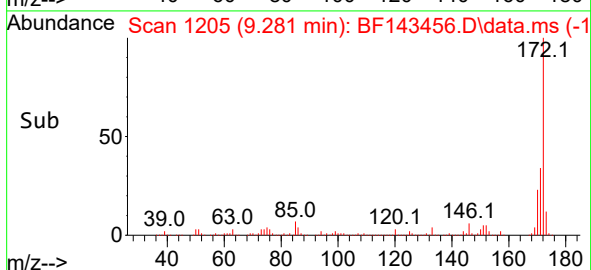
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

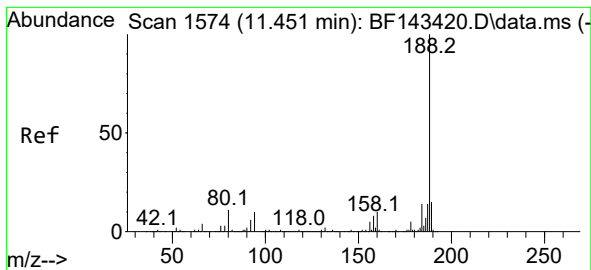


#45
2-Fluorobiphenyl
Concen: 50.347 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57



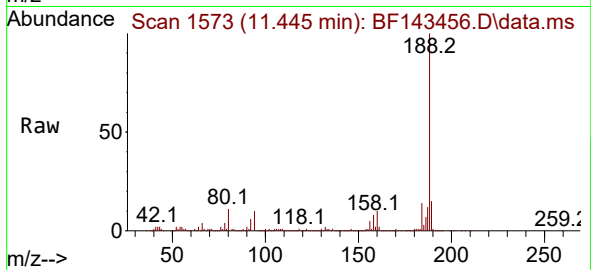
Tgt Ion:172 Resp: 470643
Ion Ratio Lower Upper
172 100
171 34.5 28.7 43.1
170 22.9 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

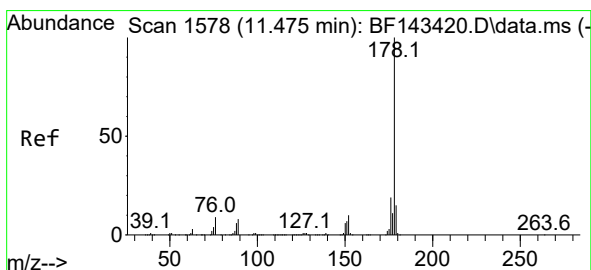
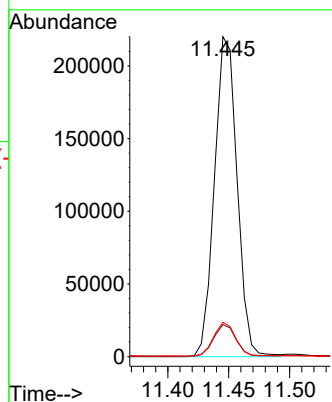
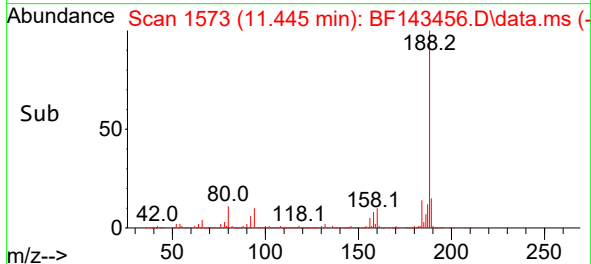
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



Tgt Ion:188 Resp: 28458
Ion Ratio Lower Upper
188 100
94 10.1 8.0 12.0
80 10.8 8.6 12.8

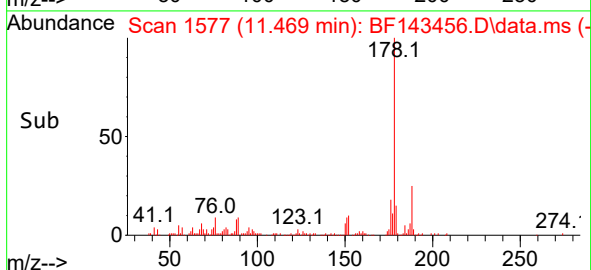
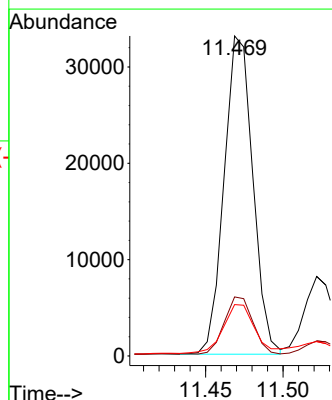
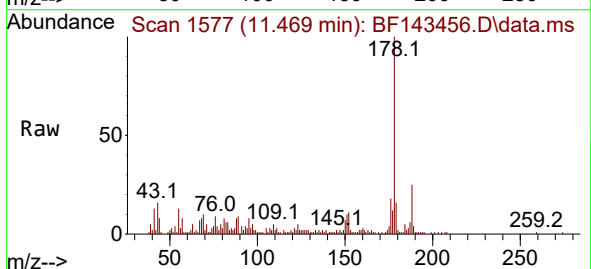
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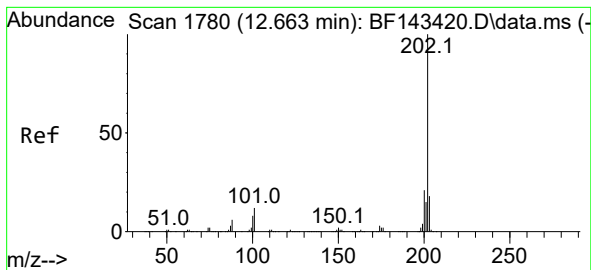
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#71
Phenanthrene
Concen: 2.761 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

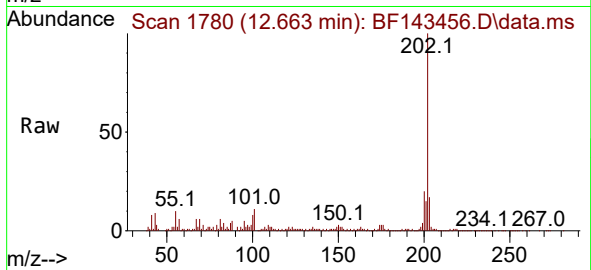
Tgt Ion:178 Resp: 42555
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 16.0 12.3 18.5





#75
Fluoranthene
Concen: 10.433 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

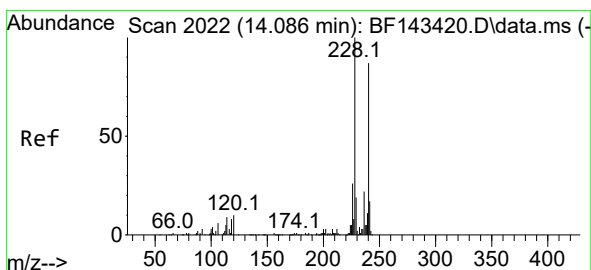
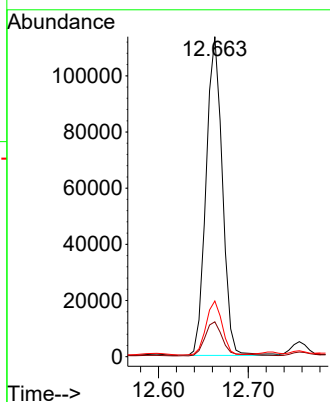
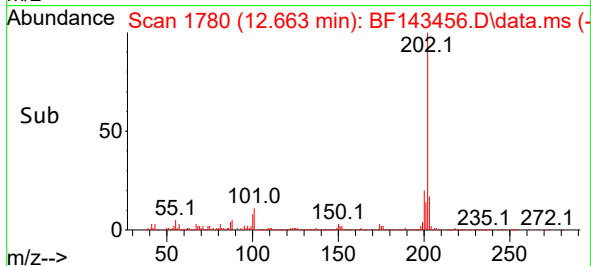
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



Tgt Ion:202 Resp: 142859
Ion Ratio Lower Upper
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101 10.9 0.0 31.5
203 17.4 0.0 37.5

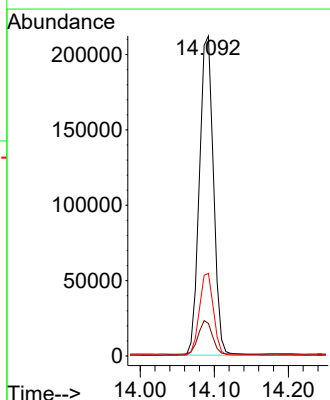
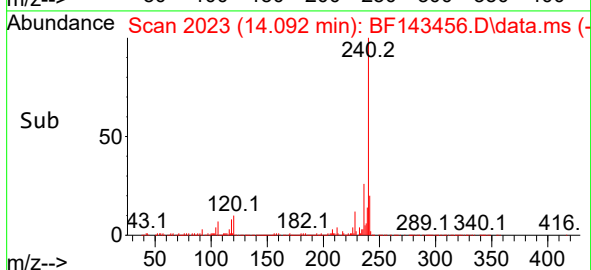
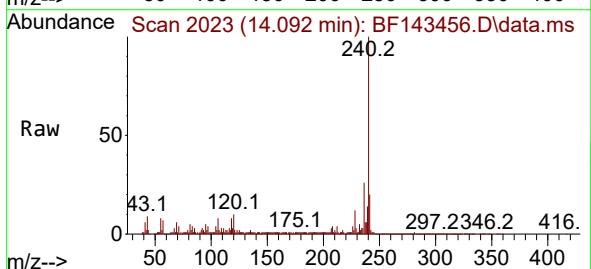
Manual Integrations
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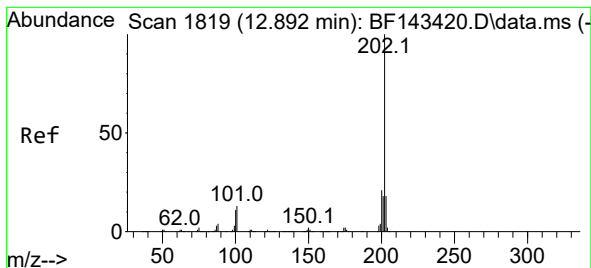
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion:240 Resp: 279953
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 25.8 20.2 30.2





#78

Pyrene

Concen: 5.261 ng

RT: 12.892 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF143456.D

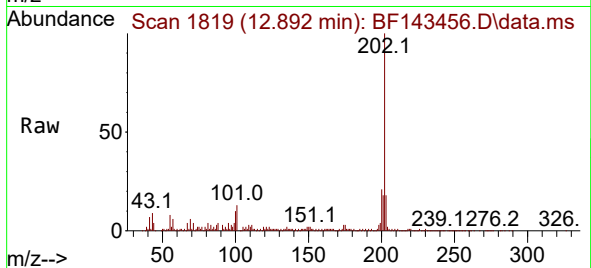
Acq: 19 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425



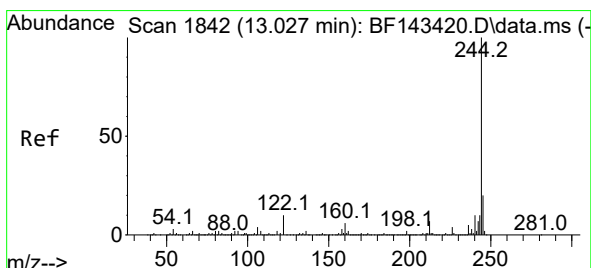
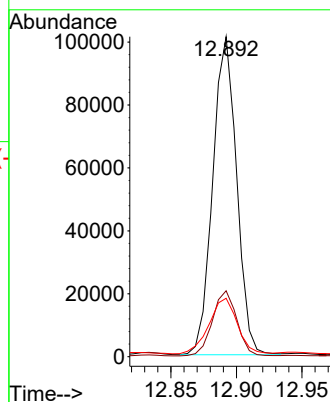
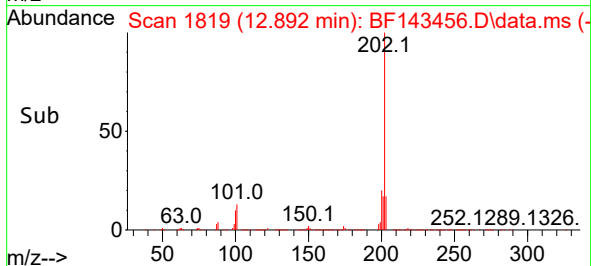
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.1	25.7
203	18.3	14.2	21.2

Manual Integrations

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#79

Terphenyl-d14

Concen: 41.708 ng

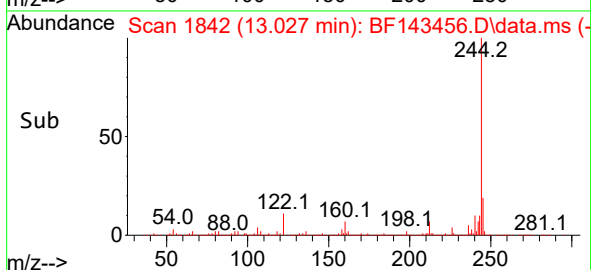
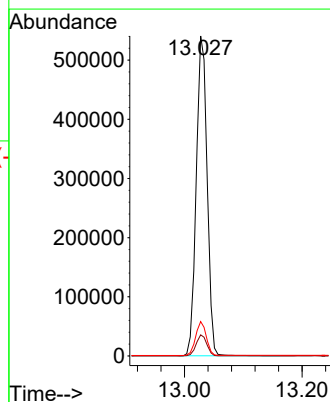
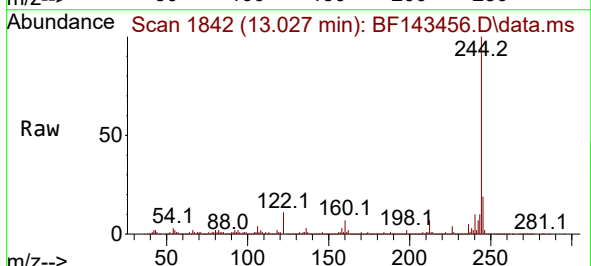
RT: 13.027 min Scan# 1842

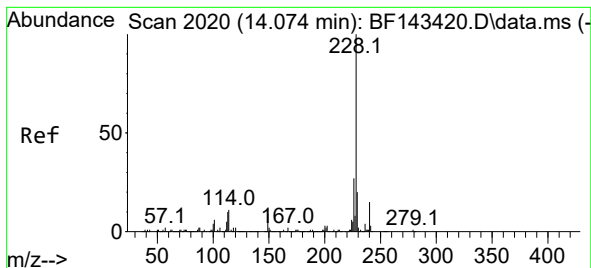
Delta R.T. -0.000 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.7	8.3	12.5





#81

Benzo(a)anthracene

Concen: 4.239 ng

RT: 14.080 min Scan# 2020

Delta R.T. 0.006 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425

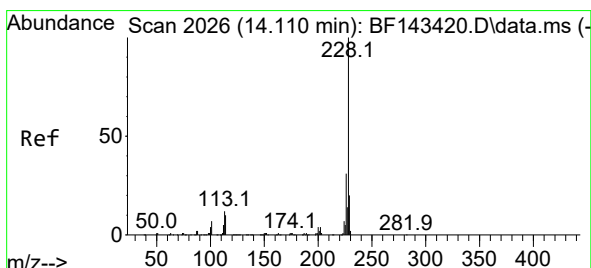
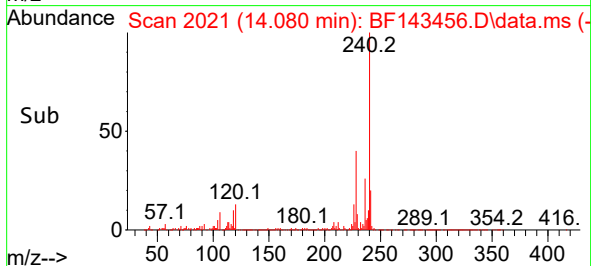
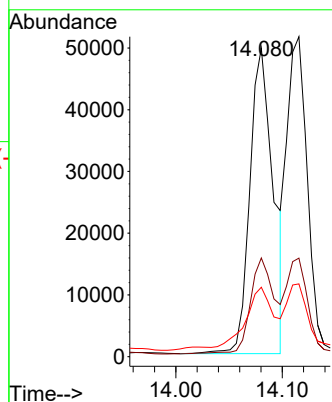
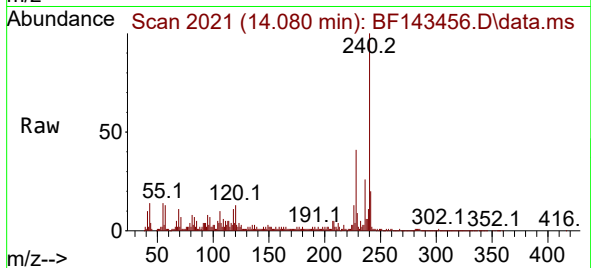
Tgt Ion:228 Resp: 75550
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.5 32.3
 229 22.5 15.7 23.5

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#83

Chrysene

Concen: 4.135 ng

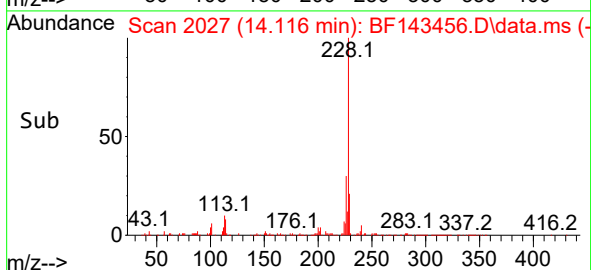
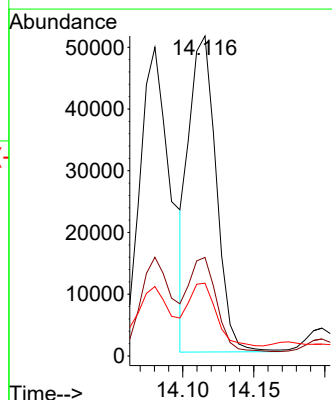
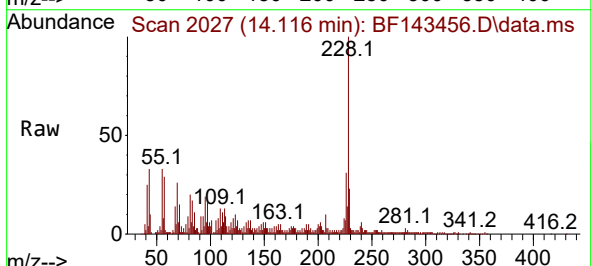
RT: 14.116 min Scan# 2027

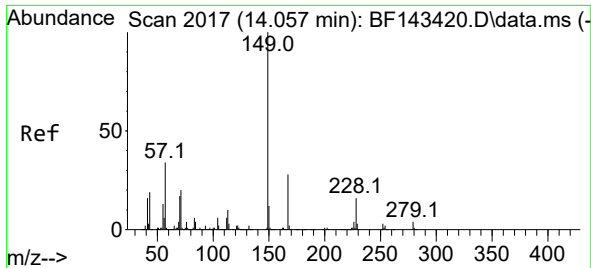
Delta R.T. 0.006 min

Lab File: BF143456.D

Acq: 19 Aug 2025 14:57

Tgt Ion:228 Resp: 68136
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.3 36.5
 229 22.8 16.1 24.1





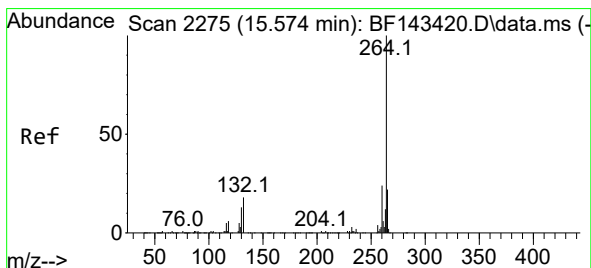
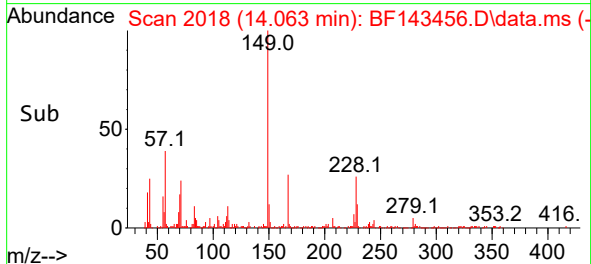
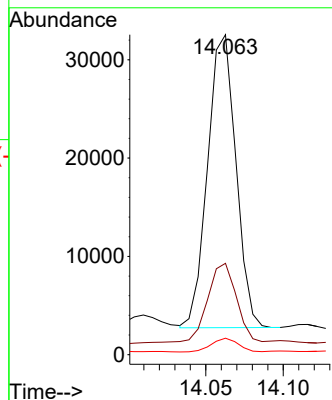
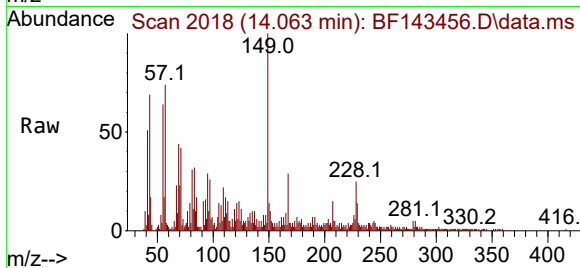
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.427 ng
RT: 14.063 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:149 Resp: 37889
Ion Ratio Lower Upper
149 100
167 28.6 22.6 33.8
279 5.1 3.5 5.3

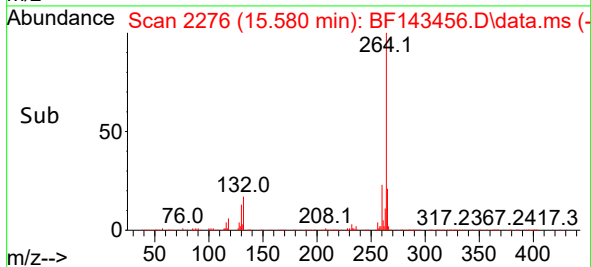
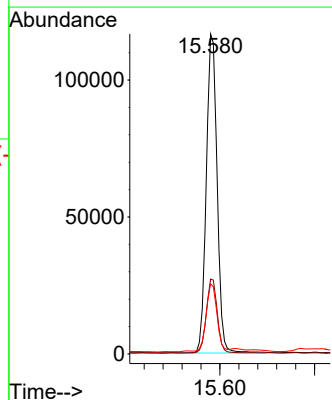
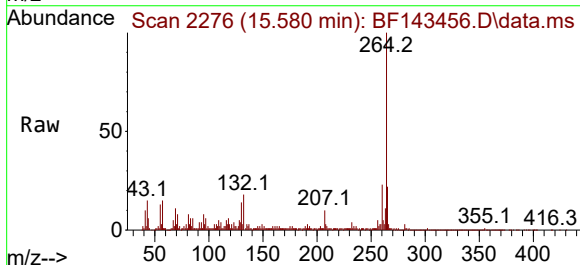
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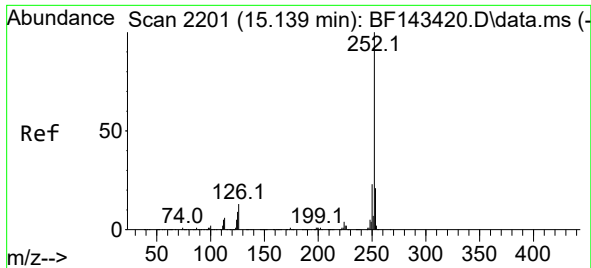
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

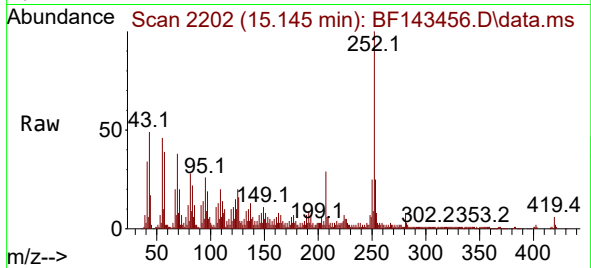
Tgt Ion:264 Resp: 184800
Ion Ratio Lower Upper
264 100
260 23.4 18.8 28.2
265 21.9 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 7.322 ng m
RT: 15.145 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

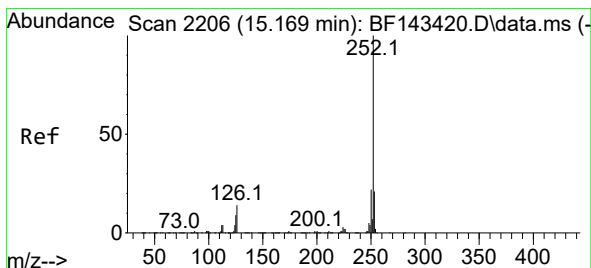
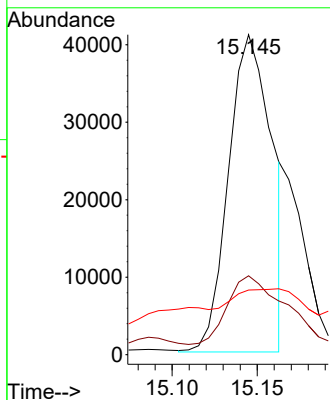
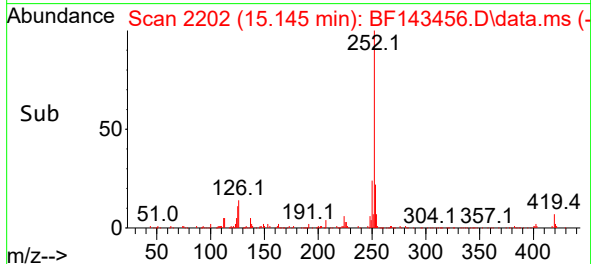
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



Tgt Ion:252 Resp: 72524
Ion Ratio Lower Upper
252 100
253 24.6 17.1 25.7
125 20.2 7.5 11.3

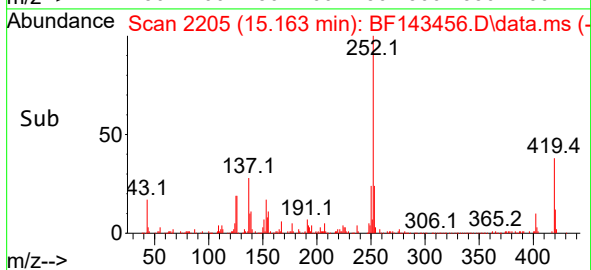
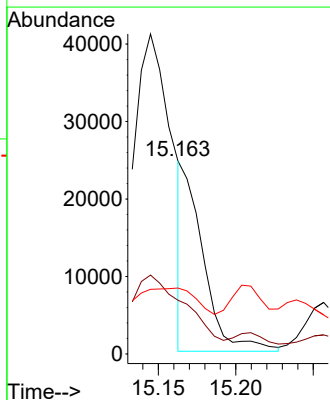
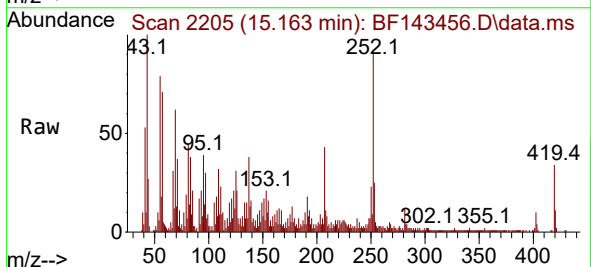
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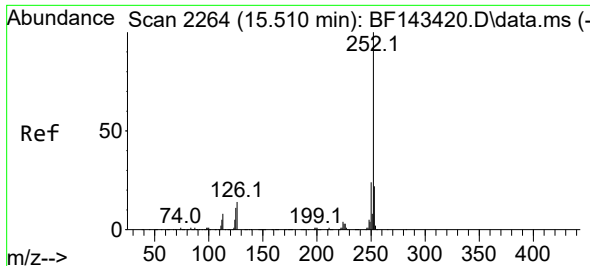
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#89
Benzo(k)fluoranthene
Concen: 2.307 ng m
RT: 15.163 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

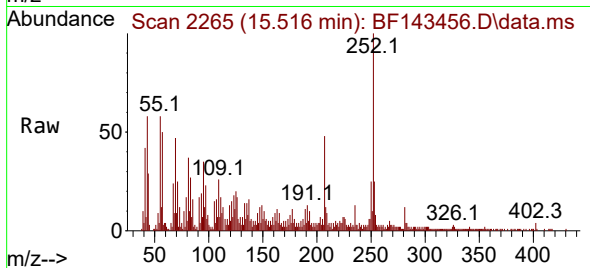
Tgt Ion:252 Resp: 22536
Ion Ratio Lower Upper
252 100
253 27.8 17.2 25.8#
125 34.1 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 4.247 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

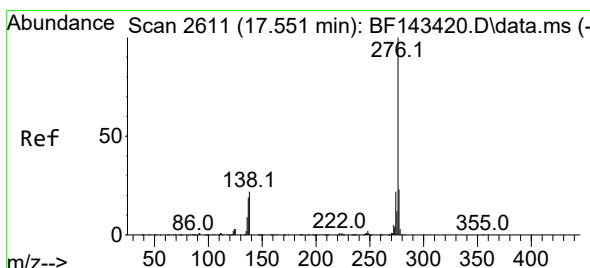
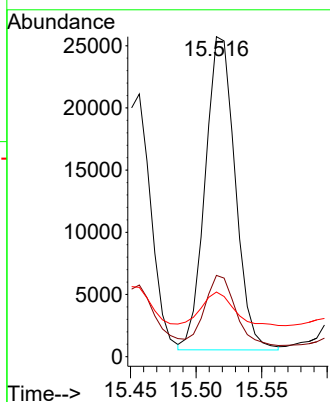
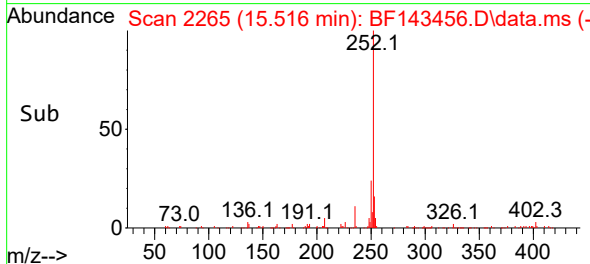
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425



Tgt Ion: 252 Resp: 4006
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.2
125 20.2 8.6 12.8

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Supervised By :Jagrut Upadhyay 08/20/2025



#92
Benzo(g,h,i)perylene
Concen: 2.549 ng
RT: 17.568 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF143456.D
Acq: 19 Aug 2025 14:57

Tgt Ion: 276 Resp: 28343
Ion Ratio Lower Upper
276 100
277 26.3 18.7 28.1
138 28.1 17.5 26.3

