

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143455.D
 Acq On : 19 Aug 2025 14:28
 Operator : RC/JU
 Sample : Q2879-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP07-081425

Quant Time: Aug 19 14:51:40 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	81535	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	266043	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	139719	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	269890	20.000	ng	0.00
76) Chrysene-d12	14.086	240	272023	20.000	ng	0.00
86) Perylene-d12	15.580	264	174368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	408333	87.057	ng	0.00
7) Phenol-d6	6.557	99	437182	73.960	ng	0.00
23) Nitrobenzene-d5	7.481	82	275314	61.407	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	128719	103.505	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	499605	60.144	ng	0.00
79) Terphenyl-d14	13.027	244	755405	46.649	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	43999	3.011	ng	99
74) Di-n-butylphthalate	12.004	149	30134	2.424	ng	98
75) Fluoranthene	12.663	202	136964	10.547	ng	99
78) Pyrene	12.892	202	122974	5.201	ng	99
81) Benzo(a)anthracene	14.080	228	67916	3.922	ng	93
83) Chrysene	14.110	228	74599	4.659	ng	97
84) Bis(2-ethylhexyl)phtha...	14.057	149	74678	8.979	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	29277	2.239	ng	96
88) Benzo(b)fluoranthene	15.145	252	75381m	8.066	ng	
89) Benzo(k)fluoranthene	15.163	252	20741m	2.250	ng	
90) Benzo(a)pyrene	15.515	252	40917	4.597	ng	# 89
92) Benzo(g,h,i)perylene	17.562	276	29859	2.846	ng	# 91

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

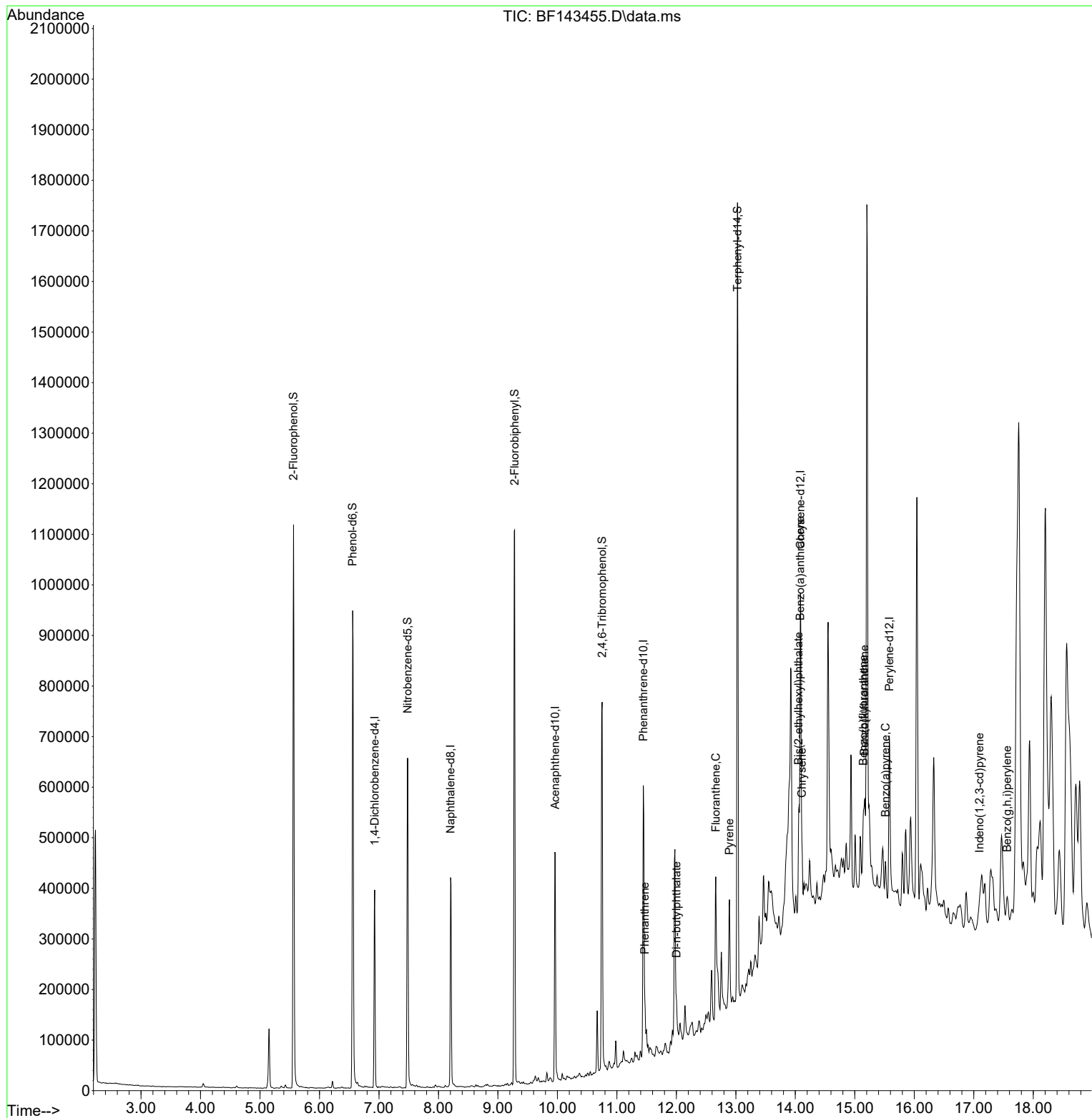
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
Data File : BF143455.D
Acq On : 19 Aug 2025 14:28
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ALS Vial : 12 Sample Multiplier: 1

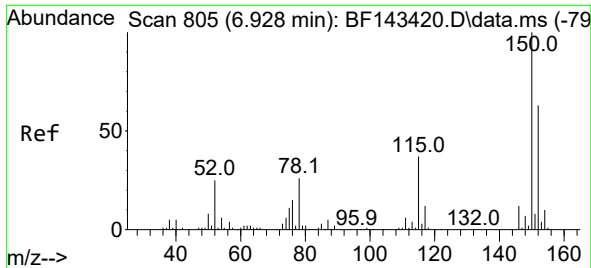
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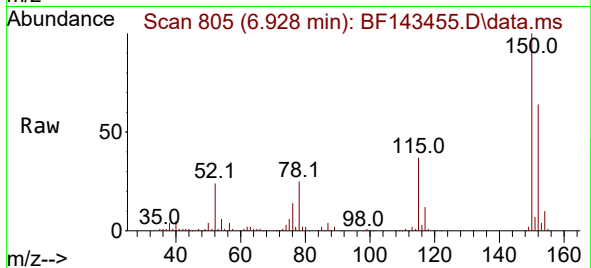
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

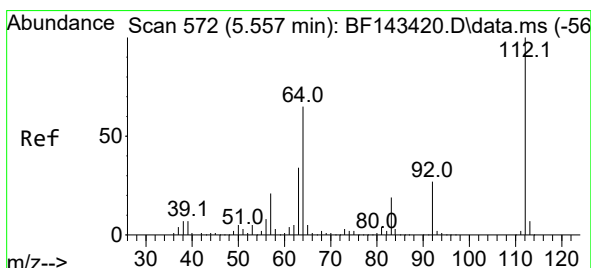
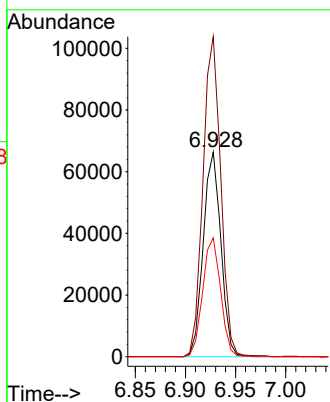
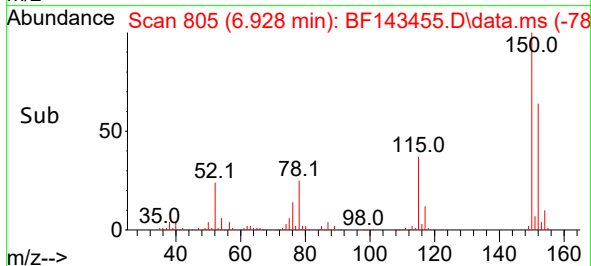
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



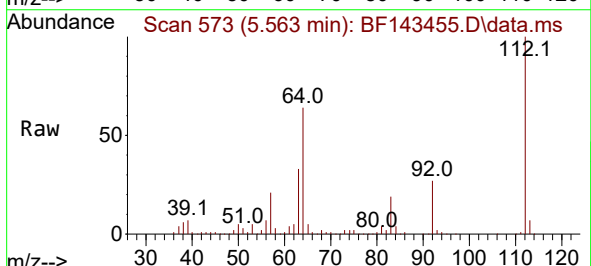
Tgt Ion:152 Resp: 81538
Ion Ratio Lower Upper
152 100
150 156.4 127.4 191.2
115 58.1 47.5 71.3

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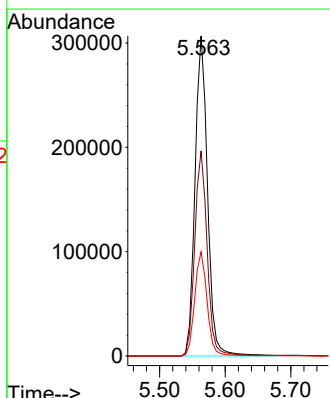
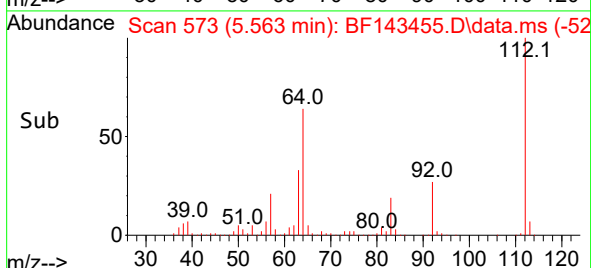
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

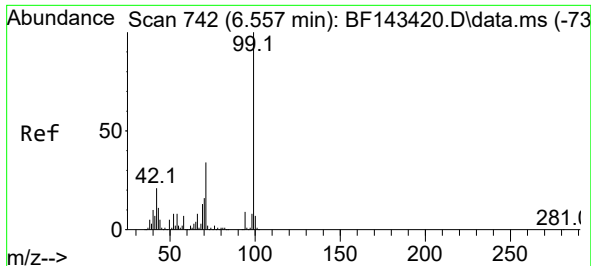


#5
2-Fluorophenol
Concen: 87.057 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28



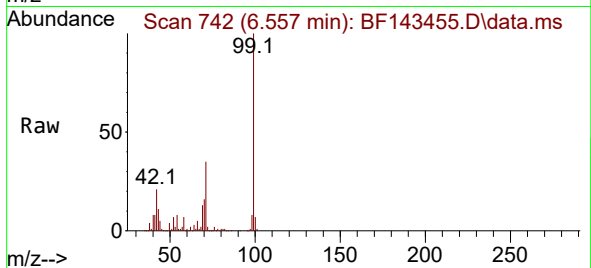
Tgt Ion:112 Resp: 408333
Ion Ratio Lower Upper
112 100
64 64.0 52.2 78.2
63 32.5 27.0 40.6





#7
Phenol-d6
Concen: 73.960 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

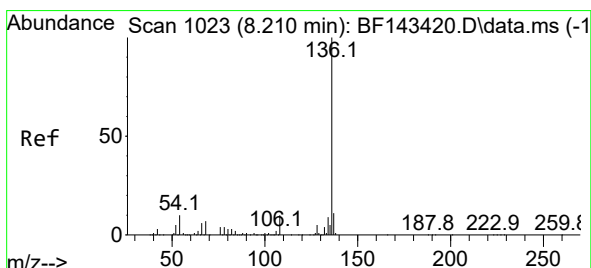
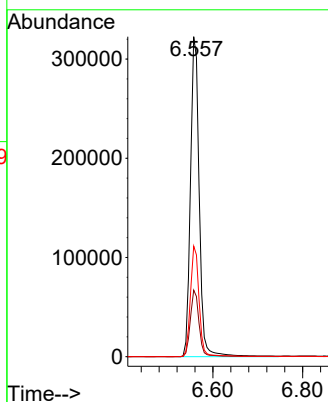
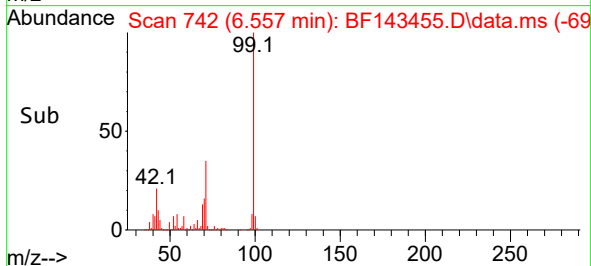
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



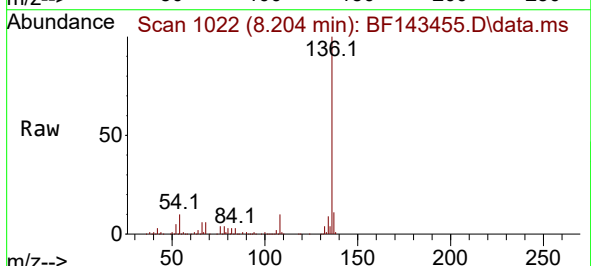
Tgt Ion: 99 Resp: 437182
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 34.5 27.4 41.2

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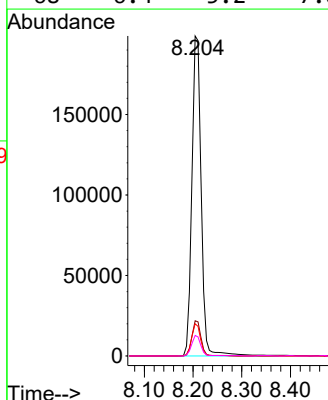
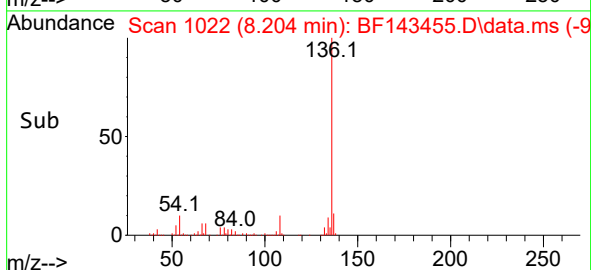
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

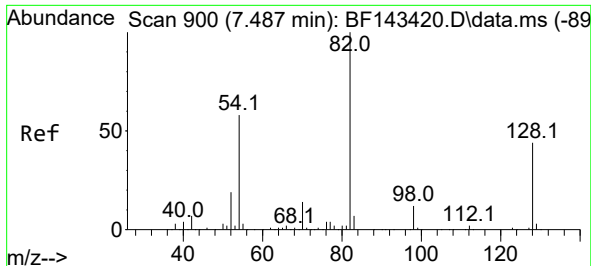


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28



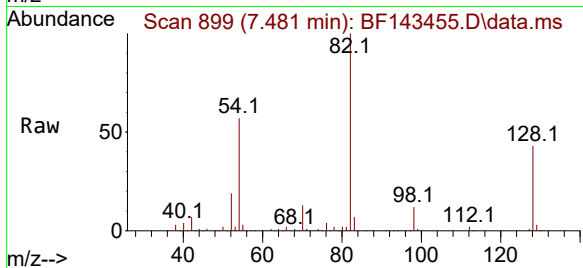
Tgt Ion:136 Resp: 266043
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.0 7.8 11.8
68 6.4 5.2 7.8





#23
Nitrobenzene-d5
Concen: 61.407 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

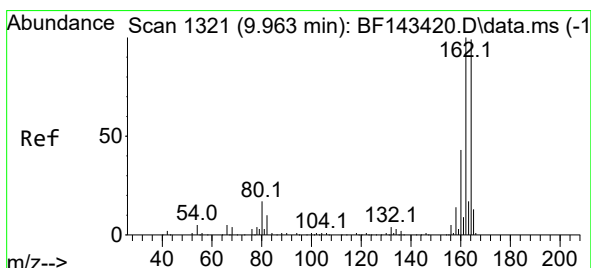
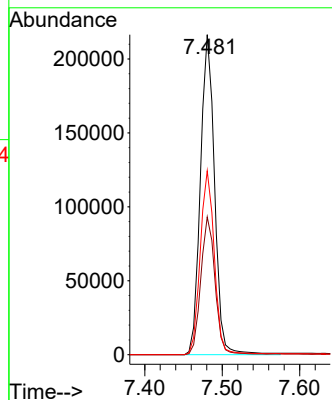
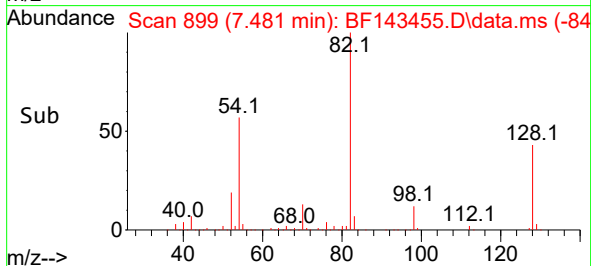
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



Tgt Ion: 82 Resp: 275314
Ion Ratio Lower Upper
82 100
128 43.1 34.6 52.0
54 57.4 46.0 69.0

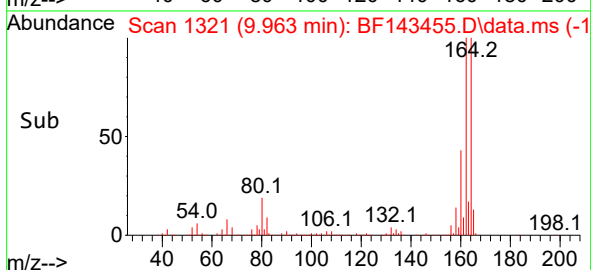
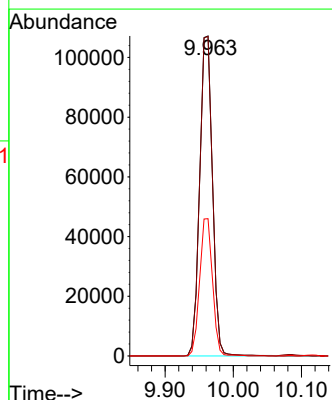
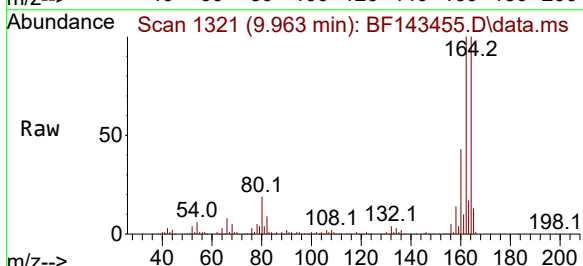
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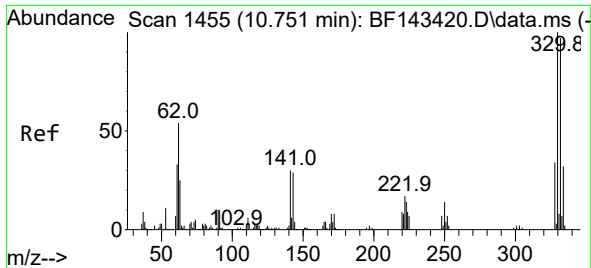
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

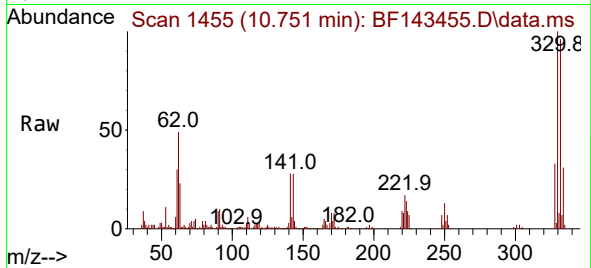
Tgt Ion:164 Resp: 139719
Ion Ratio Lower Upper
164 100
162 99.9 80.6 121.0
160 42.9 34.6 51.8





#42
2,4,6-Tribromophenol
Concen: 103.505 ng
RT: 10.751 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

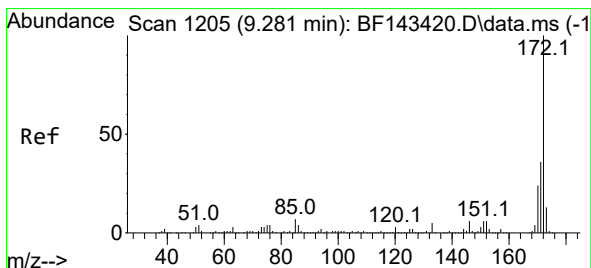
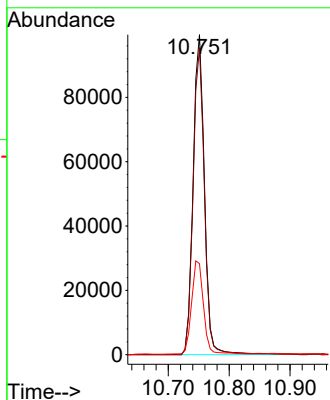
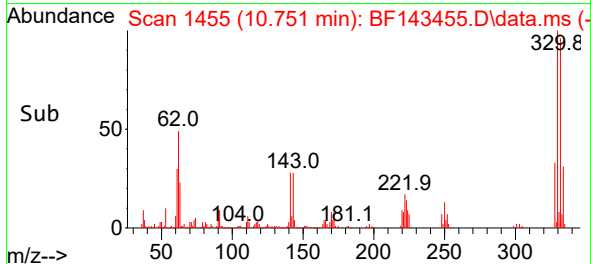
Instrument : BNA_F
ClientSampleId : OU4-TS-GRILLO-TSCP07-081425



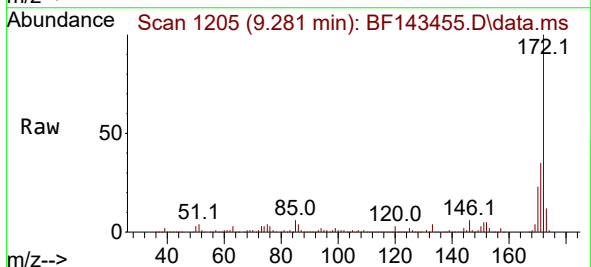
Tgt Ion: 330 Resp: 128719
Ion Ratio Lower Upper
330 100
332 95.4 77.4 116.2
141 30.6 24.1 36.1

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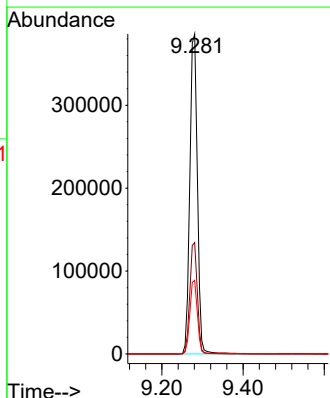
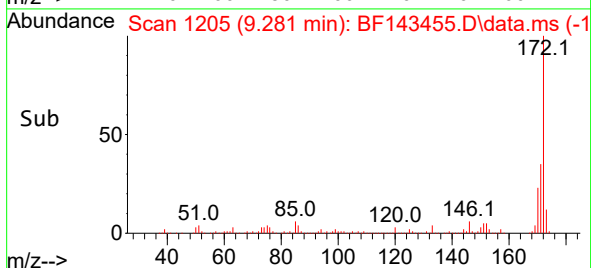
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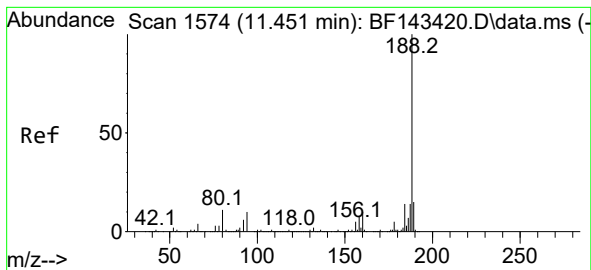


#45
2-Fluorobiphenyl
Concen: 60.144 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28



Tgt Ion: 172 Resp: 499605
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 23.0 19.0 28.6





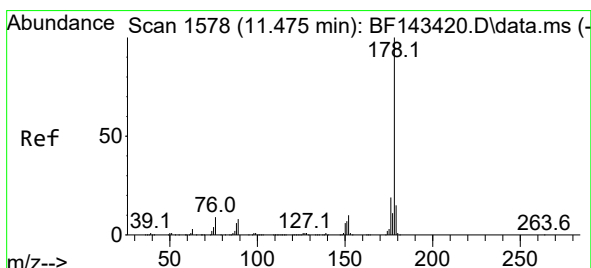
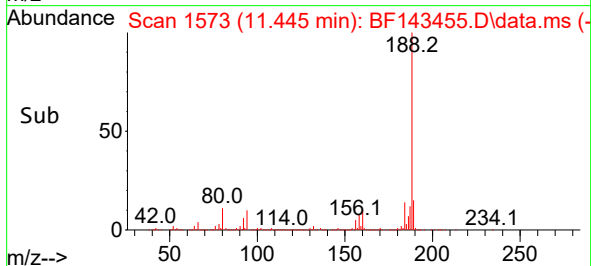
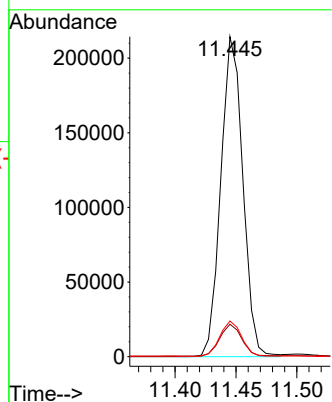
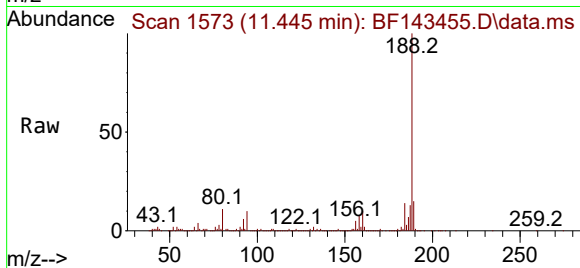
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:188 Resp: 269890
Ion Ratio Lower Upper
188 100
94 10.1 8.0 12.0
80 11.2 8.6 12.8

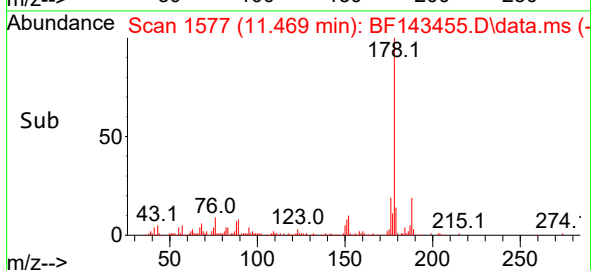
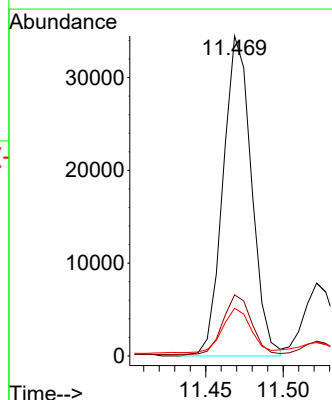
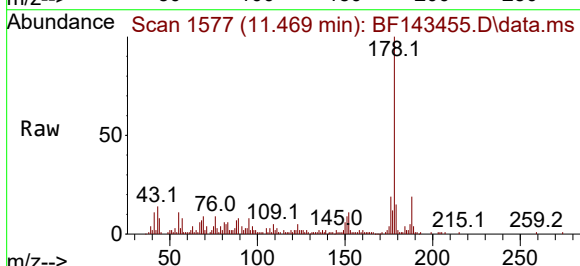
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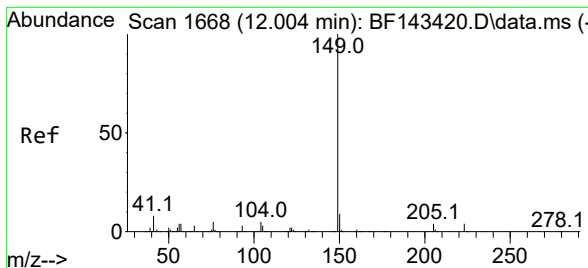
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#71
Phenanthrene
Concen: 3.011 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

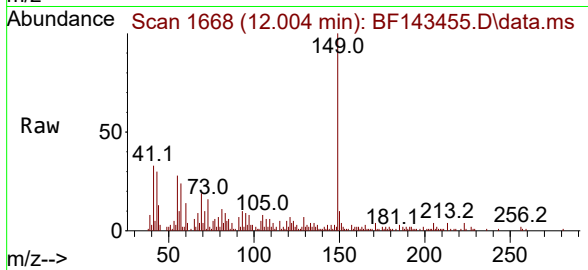
Tgt Ion:178 Resp: 43999
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 14.9 12.3 18.5





#74
Di-n-butylphthalate
Concen: 2.424 ng
RT: 12.004 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

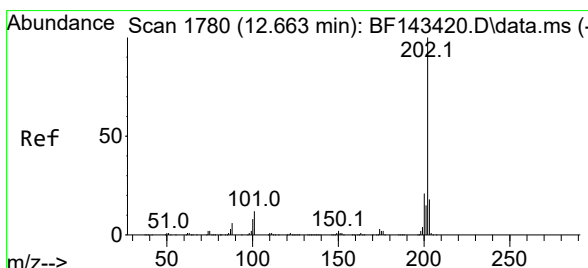
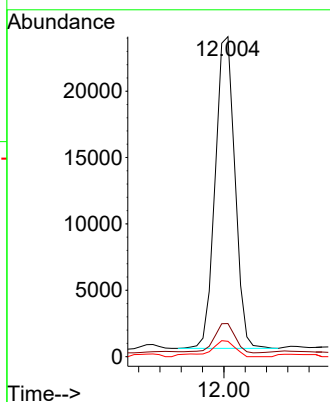
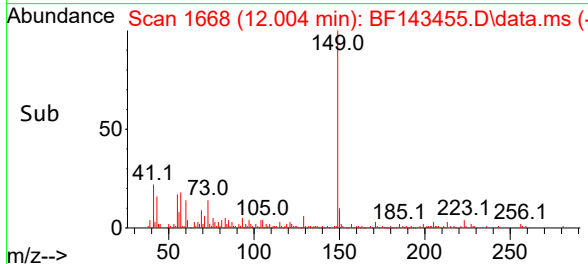
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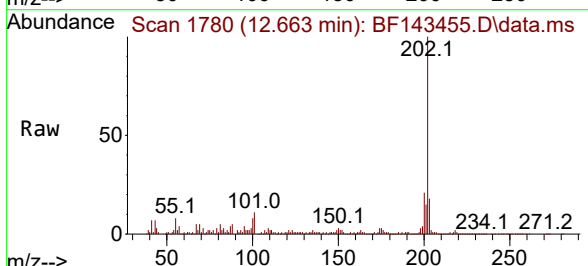
Tgt Ion:149 Resp: 30134
Ion Ratio Lower Upper
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150 10.4 7.3 10.9
104 4.8 3.8 5.6

Manual Integrations
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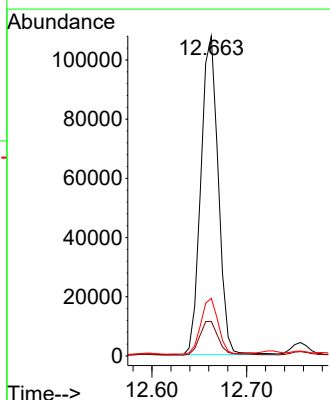
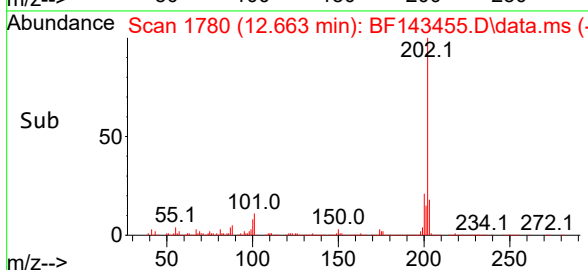
Reviewed By :Rahul Chavli 08/20/2025
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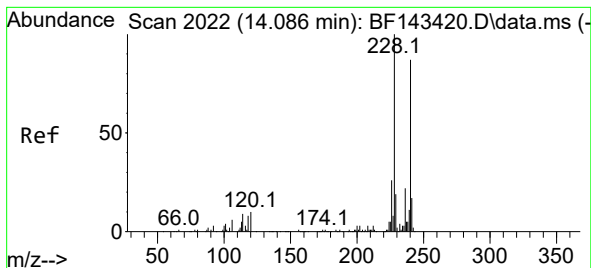


#75
Fluoranthene
Concen: 10.547 ng
RT: 12.663 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28



Tgt Ion:202 Resp: 136964
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.5
203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

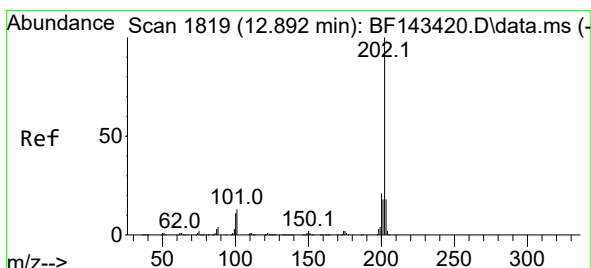
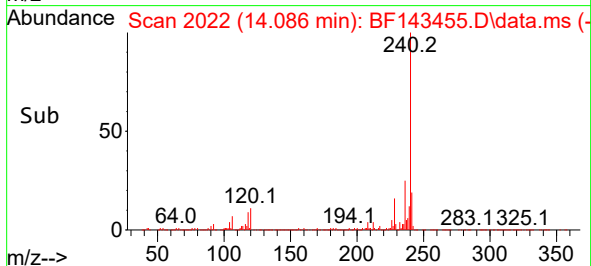
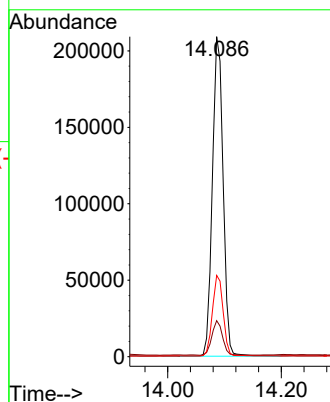
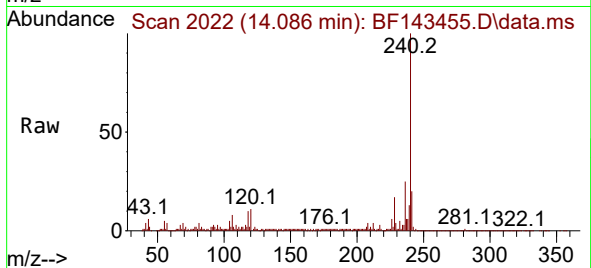
Tgt Ion:240 Resp: 27202
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.0 13.4
 236 25.4 20.2 30.2

Manual Integrations

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#78

Pyrene

Concen: 5.201 ng

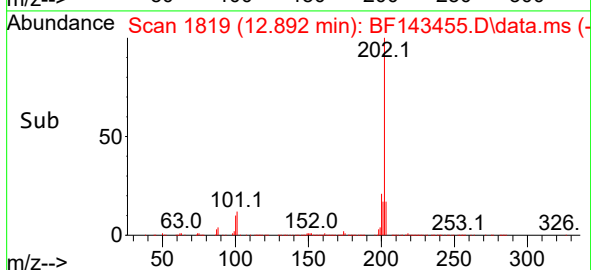
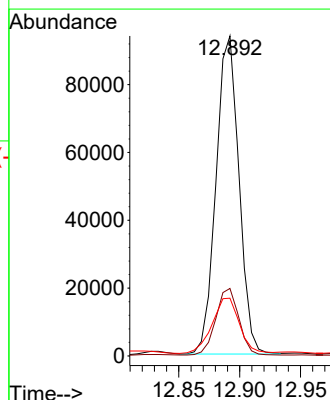
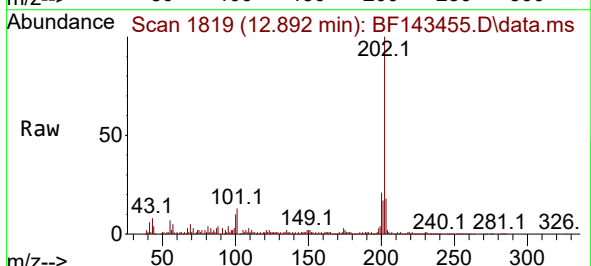
RT: 12.892 min Scan# 1819

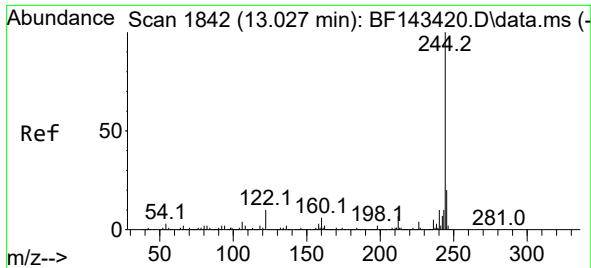
Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

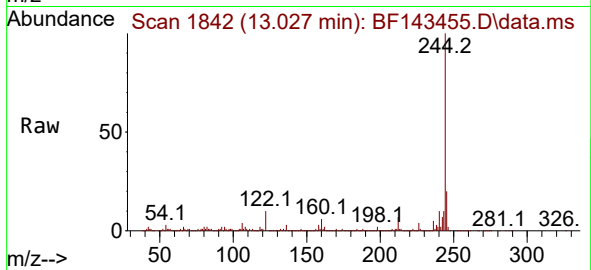
Tgt Ion:202 Resp: 122974
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 18.1 14.2 21.2





#79
 Terphenyl-d14
 Concen: 46.649 ng
 RT: 13.027 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF143455.D
 Acq: 19 Aug 2025 14:28

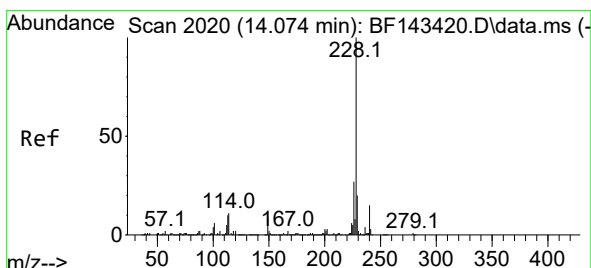
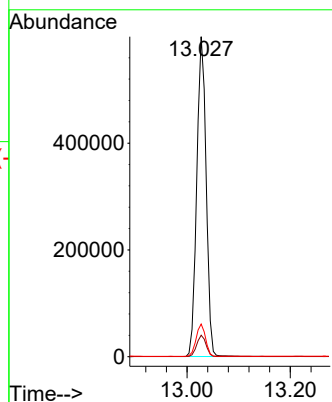
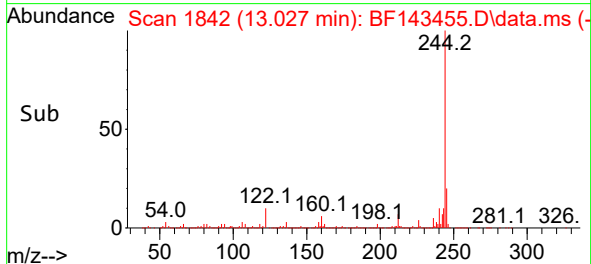
Instrument : BNA_F
 ClientSampleId : OU4-TS-GRILLO-TSCP07-081425



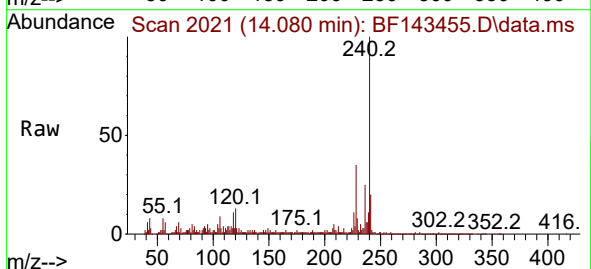
Tgt Ion:244 Resp: 75540
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.2 8.3 12.5

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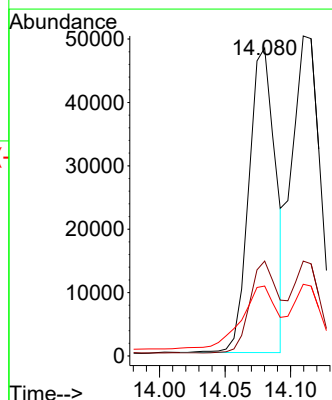
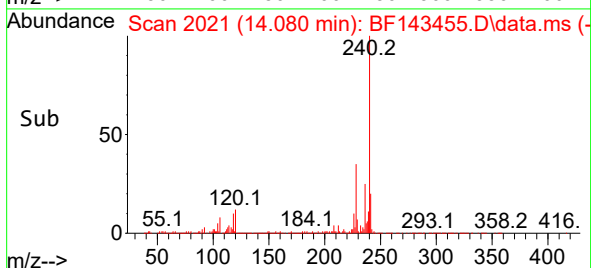
Reviewed By :Rahul Chavli 08/20/2025
 Supervised By :Jagrut Upadhyay 08/20/2025

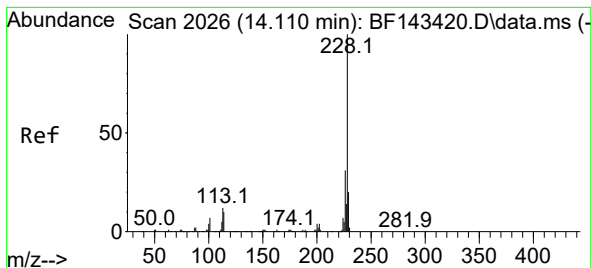


#81
 Benzo(a)anthracene
 Concen: 3.922 ng
 RT: 14.080 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: BF143455.D
 Acq: 19 Aug 2025 14:28



Tgt Ion:228 Resp: 67916
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.5 32.3
 229 22.7 15.7 23.5





#83

Chrysene

Concen: 4.659 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

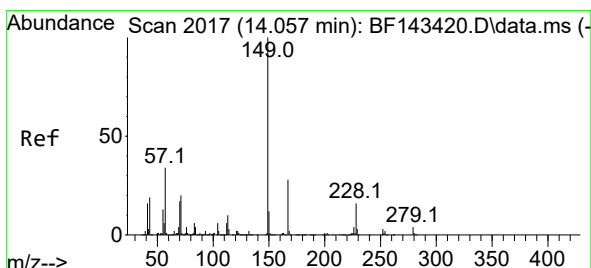
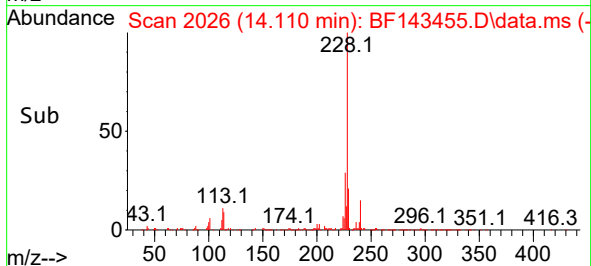
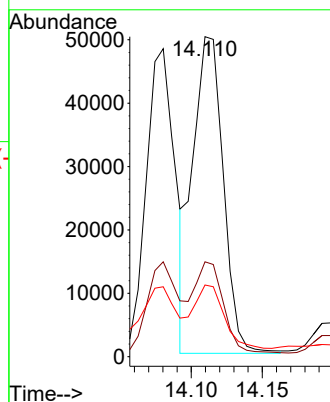
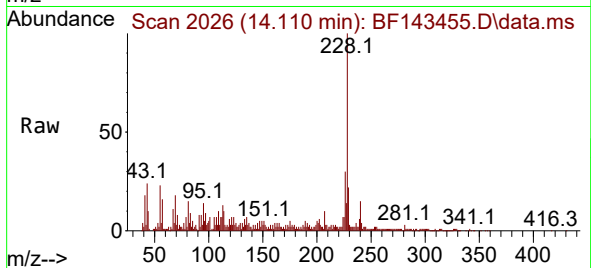
Tgt Ion:	228	Resp:	74599
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.3	36.5
229	22.4	16.1	24.1

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Reviewed By :Rahul Chavli 08/20/2025

Supervised By :Jagrut Upadhyay 08/20/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.979 ng

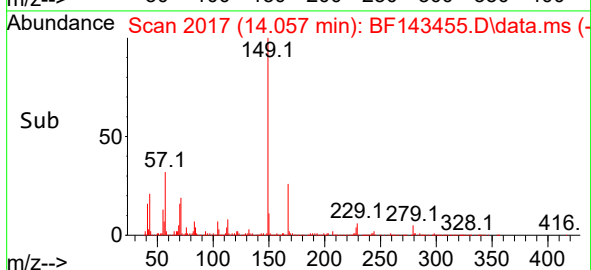
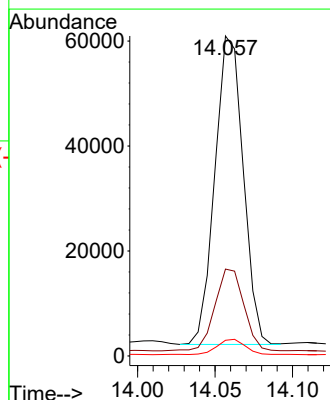
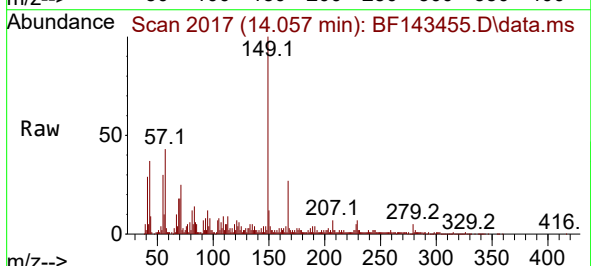
RT: 14.057 min Scan# 2017

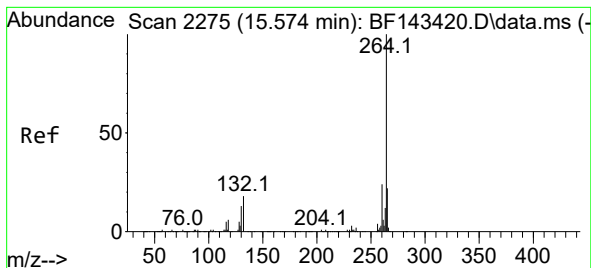
Delta R.T. -0.000 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

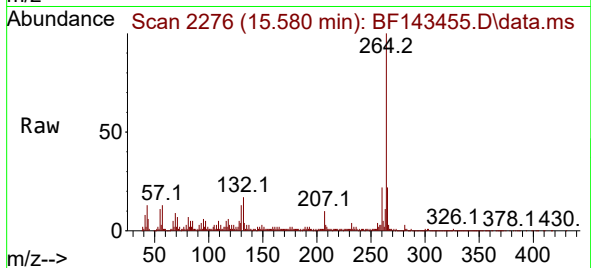
Tgt Ion:	149	Resp:	74678
Ion Ratio	Lower	Upper	
149	100		
167	27.1	22.6	33.8
279	4.9	3.5	5.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

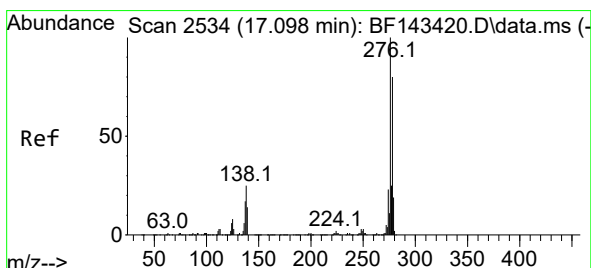
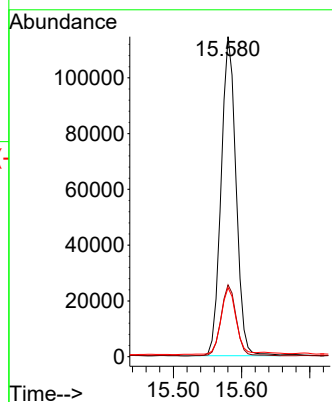
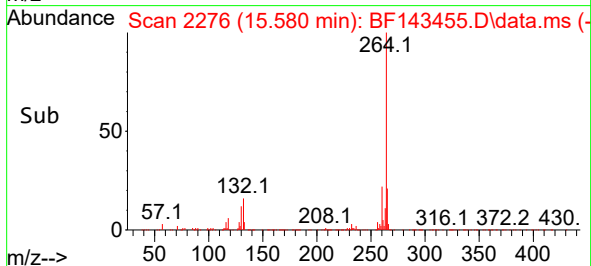
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



Tgt Ion:264 Resp: 17436
Ion Ratio Lower Upper
264 100
260 22.4 18.8 28.2
265 21.6 17.4 26.0

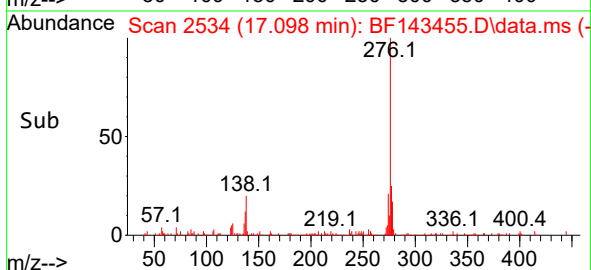
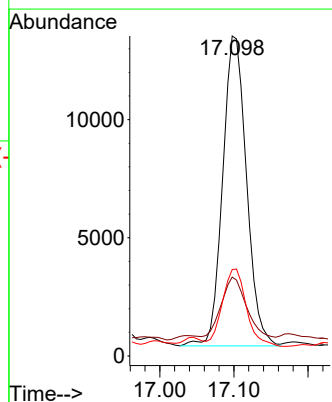
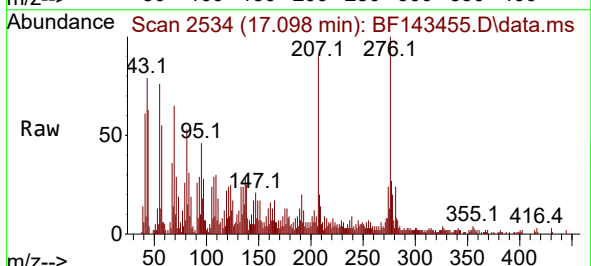
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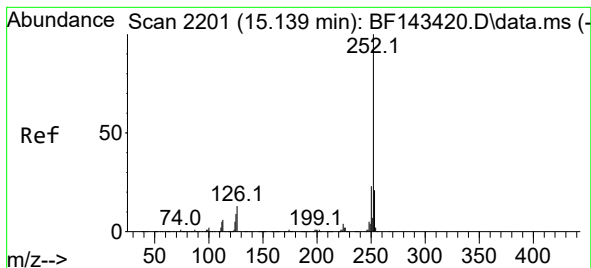
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.239 ng
RT: 17.098 min Scan# 2534
Delta R.T. -0.000 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:276 Resp: 29277
Ion Ratio Lower Upper
276 100
138 21.5 20.2 30.4
277 25.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 8.066 ng m

RT: 15.145 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP07-081425

Tgt Ion:252 Resp: 7538

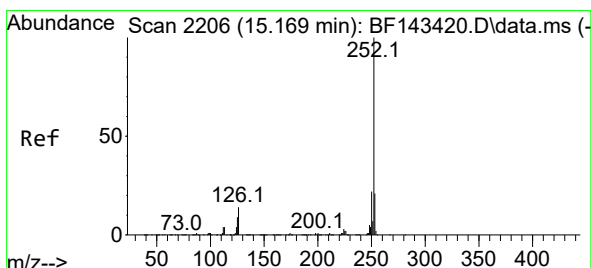
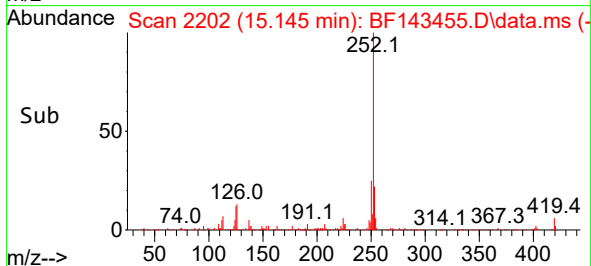
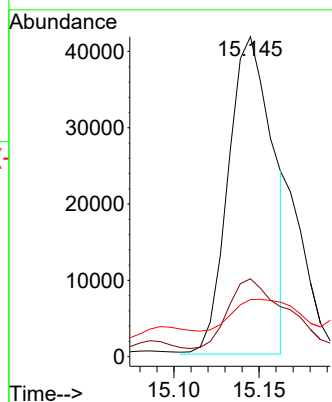
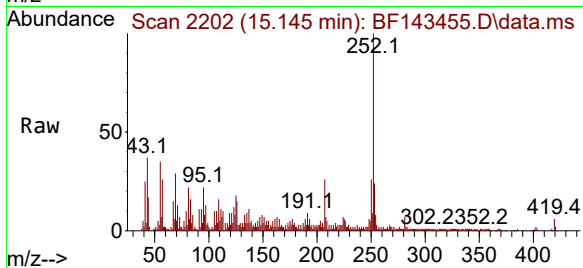
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	17.9	7.5	11.3

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Supervised By :Jagrut Upadhyay 08/20/2025



#89

Benzo(k)fluoranthene

Concen: 2.250 ng m

RT: 15.163 min Scan# 2205

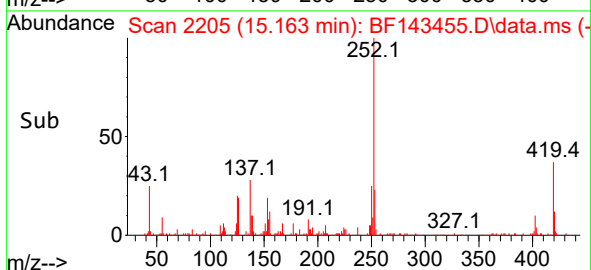
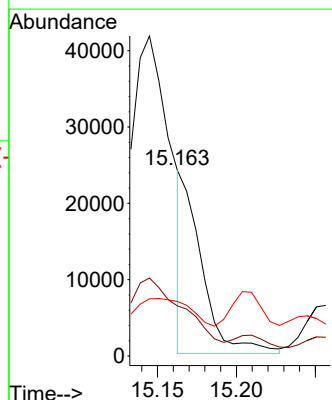
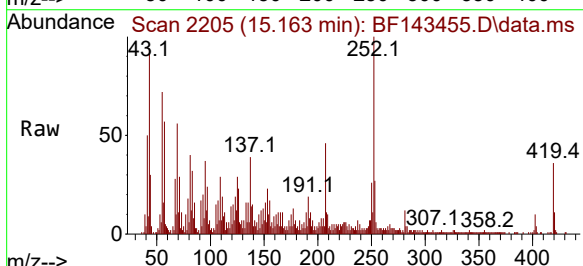
Delta R.T. -0.006 min

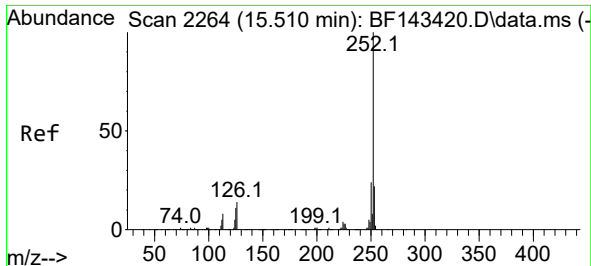
Lab File: BF143455.D

Acq: 19 Aug 2025 14:28

Tgt Ion:252 Resp: 20741

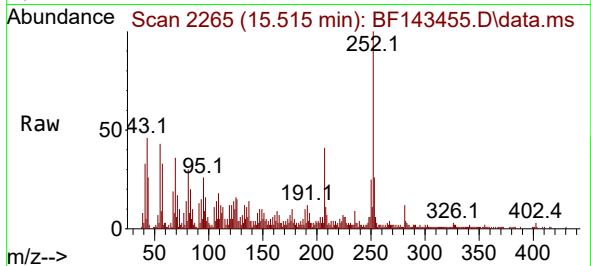
Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.2	25.8#
125	29.4	7.4	11.2#





#90
Benzo(a)pyrene
Concen: 4.597 ng
RT: 15.515 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

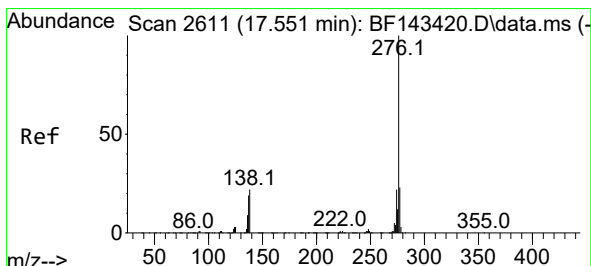
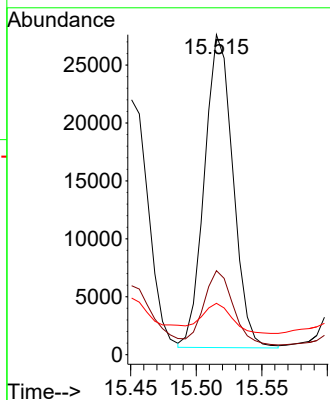
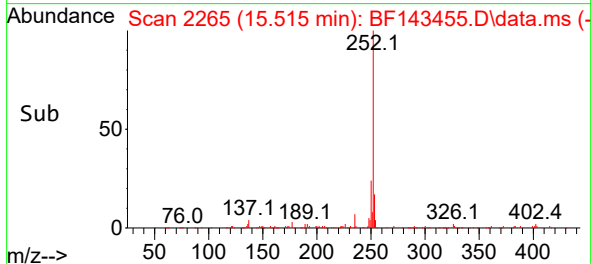
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP07-081425



Tgt Ion:252 Resp: 4091
Ion Ratio Lower Upper
252 100
253 26.3 17.4 26.2
125 16.1 8.6 12.8

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



#92
Benzo(g,h,i)perylene
Concen: 2.846 ng
RT: 17.562 min Scan# 2613
Delta R.T. 0.012 min
Lab File: BF143455.D
Acq: 19 Aug 2025 14:28

Tgt Ion:276 Resp: 29859
Ion Ratio Lower Upper
276 100
277 27.8 18.7 28.1
138 26.4 17.5 26.3

