

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
 Data File : BF144257.D
 Acq On : 14 Nov 2025 12:16
 Operator : RC/JU
 Sample : Q3601-05 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025

Quant Time: Nov 14 12:36:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	45420	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	142918	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	66638	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	104372	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	111101	20.000	ng	-0.01
86) Perylene-d12	15.521	264	98257	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	119876	41.301	ng	-0.01
7) Phenol-d6	6.492	99	135333	41.151	ng	0.00
23) Nitrobenzene-d5	7.422	82	84519	34.155	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	30064	35.952	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	162174	35.943	ng	0.00
79) Terphenyl-d14	12.980	244	157787	22.559	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	31826	6.124	ng	99
72) Anthracene	11.469	178	11346	2.147	ng	95
75) Fluoranthene	12.610	202	91347	17.017	ng	100
78) Pyrene	12.839	202	88552	9.885	ng	99
81) Benzo(a)anthracene	14.033	228	64012	8.313	ng	93
83) Chrysene	14.068	228	52604m	7.400	ng	
87) Indeno(1,2,3-cd)pyrene	17.015	276	23963	3.397	ng	94
88) Benzo(b)fluoranthene	15.092	252	70961m	12.703	ng	
89) Benzo(k)fluoranthene	15.104	252	29604m	5.662	ng	
90) Benzo(a)pyrene	15.457	252	46741	9.070	ng	97
92) Benzo(g,h,i)perylene	17.468	276	25987	4.646	ng	100

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

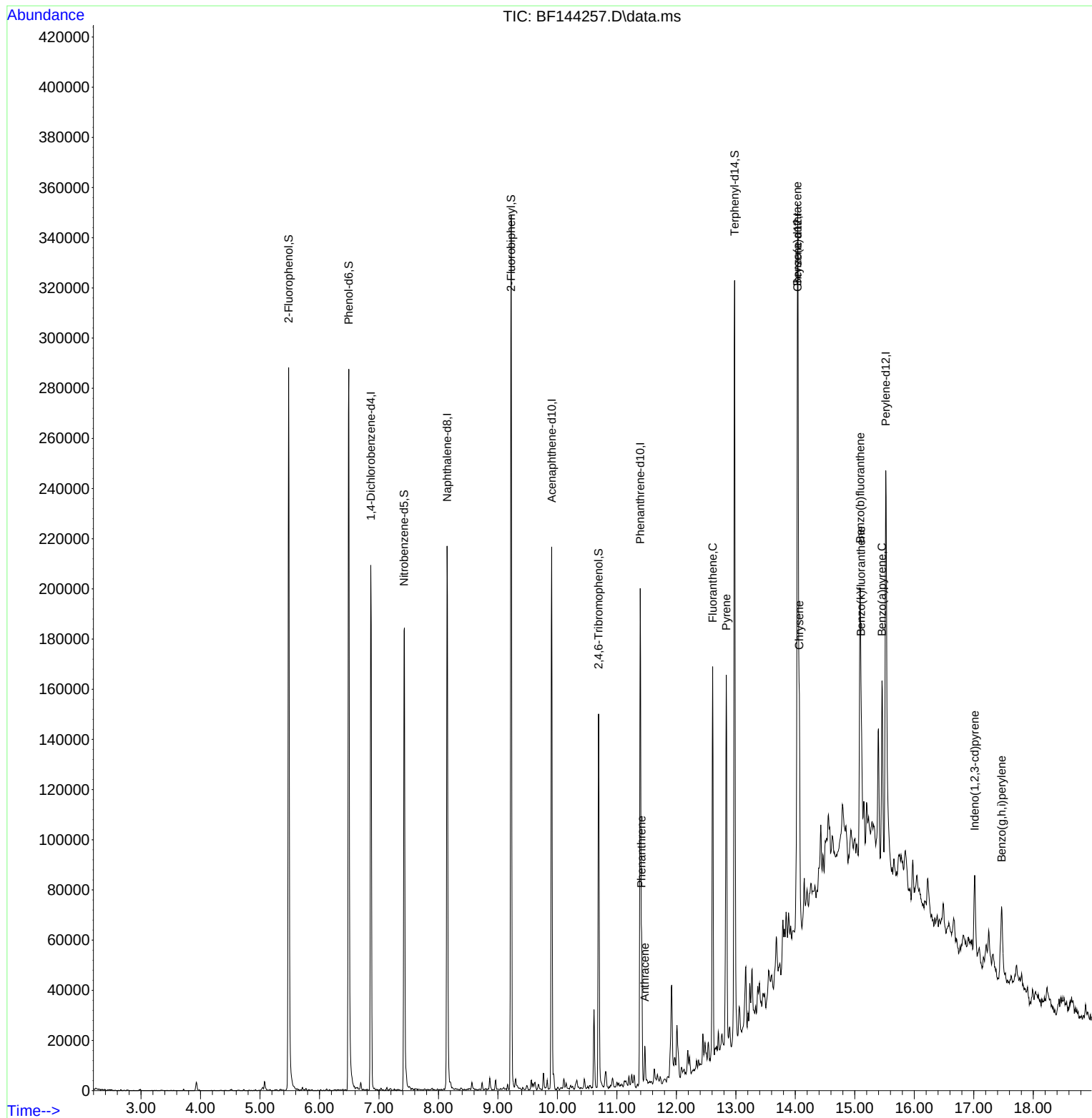
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
Data File : BF144257.D
Acq On : 14 Nov 2025 12:16
Operator : RC/JU
Sample : Q3601-05 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

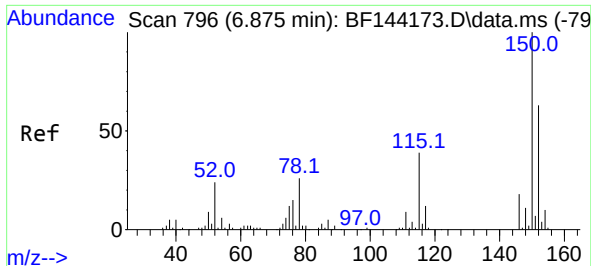
Instrument :
BNA_F
ClientSampleId :
TP-2

Quant Time: Nov 14 12:36:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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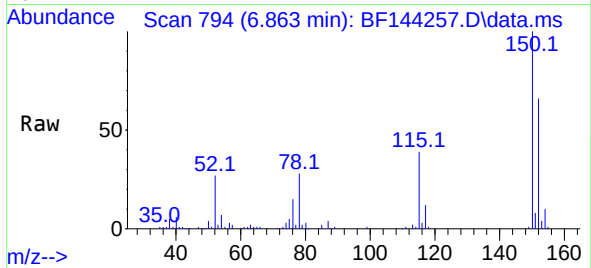
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

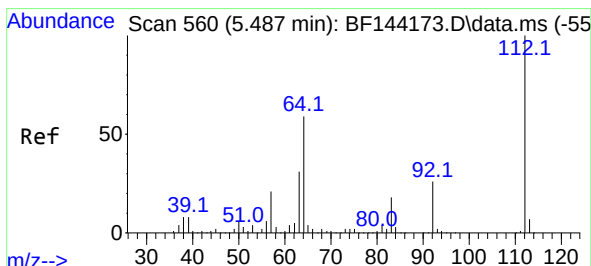
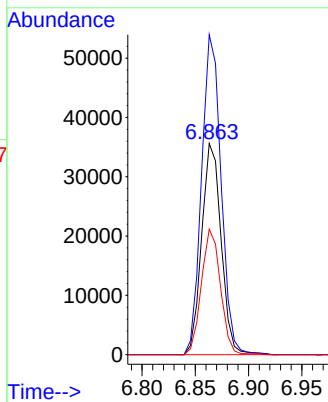
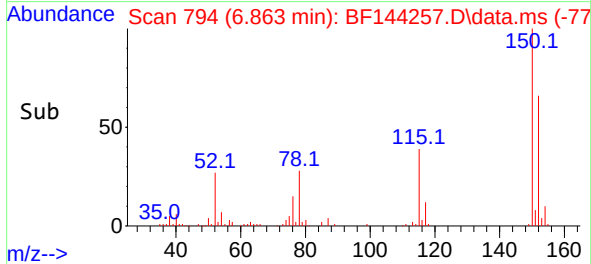
Instrument :
BNA_F
ClientSampleId :
TP-2



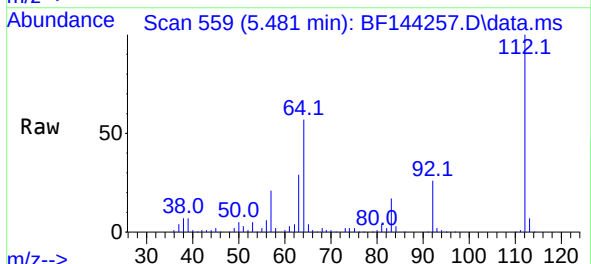
Tgt Ion:152 Resp: 45420
Ion Ratio Lower Upper
152 100
150 151.5 127.4 191.0
115 59.5 49.5 74.3

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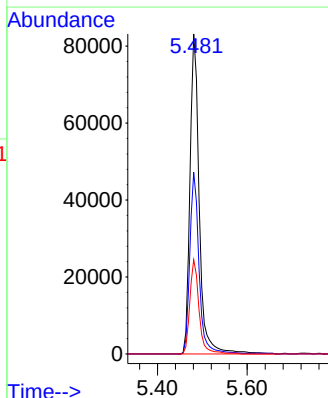
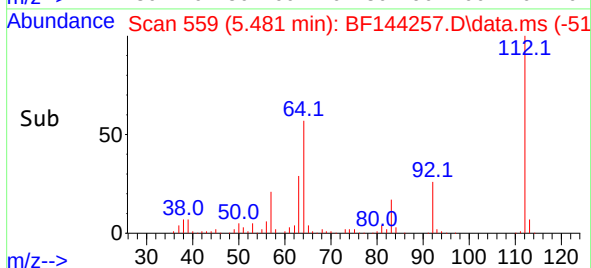
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

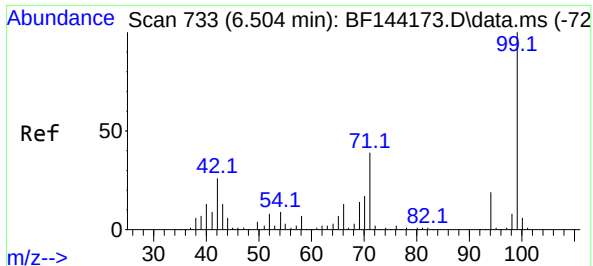


#5
2-Fluorophenol
Concen: 41.301 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16



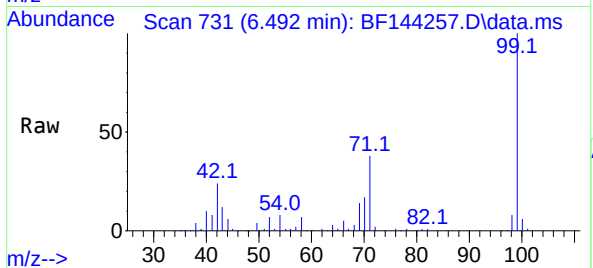
Tgt Ion:112 Resp: 119876
Ion Ratio Lower Upper
112 100
64 56.7 47.2 70.8
63 29.5 24.4 36.6





#7
Phenol-d6
Concen: 41.151 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

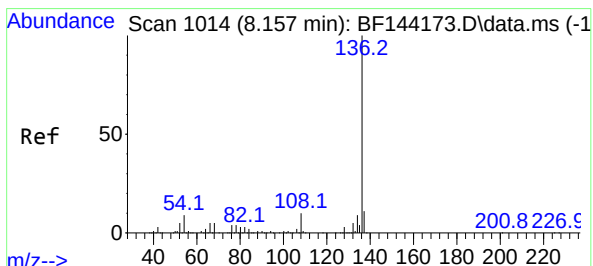
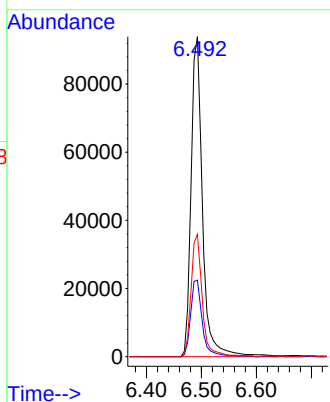
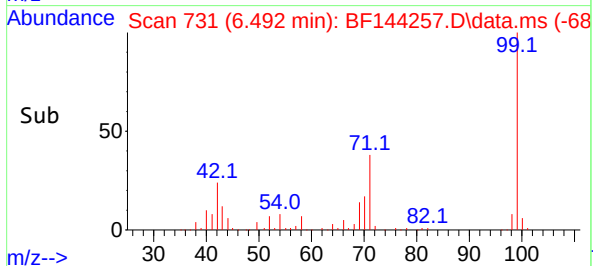
Instrument :
BNA_F
ClientSampleId :
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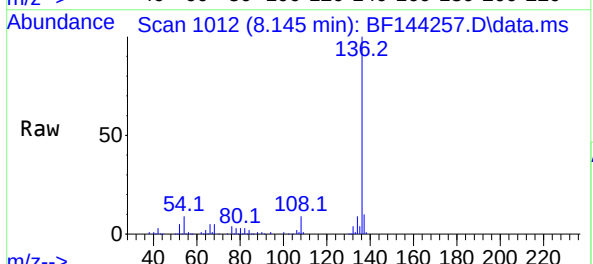
Tgt Ion: 99 Resp: 13533
Ion Ratio Lower Upper
99 100
42 23.9 20.9 31.3
71 38.2 31.4 47.2

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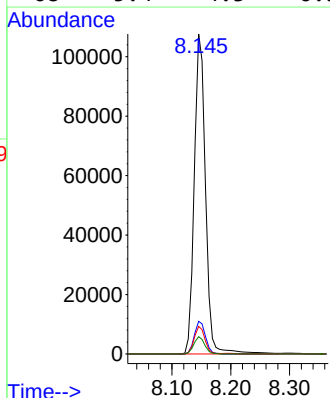
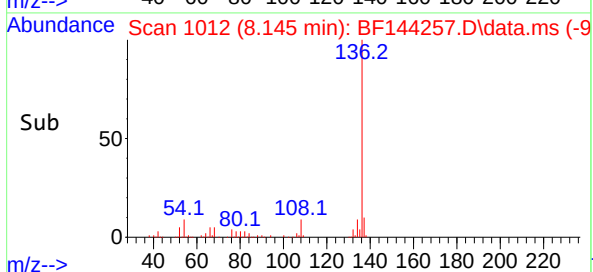
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

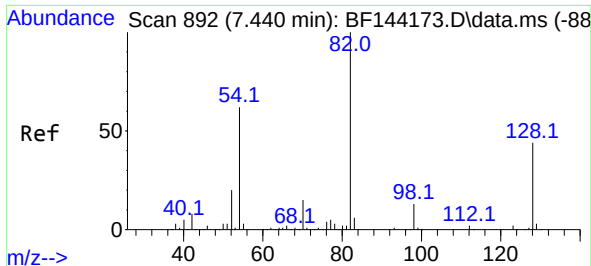


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16



Tgt Ion:136 Resp: 142918
Ion Ratio Lower Upper
136 100
137 10.2 8.6 13.0
54 8.6 7.0 10.6
68 5.4 4.3 6.5





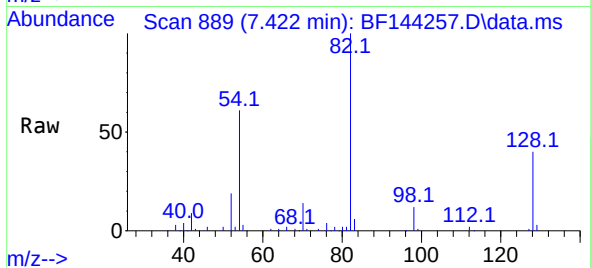
#23
Nitrobenzene-d5
Concen: 34.155 ng
RT: 7.422 min Scan# 84519
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

Instrument :

BNA_F

ClientSampleId :

TP-2

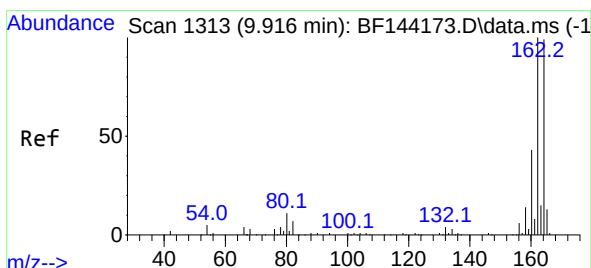
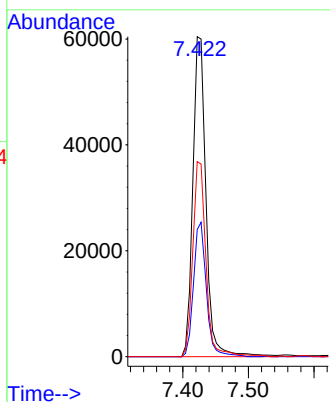
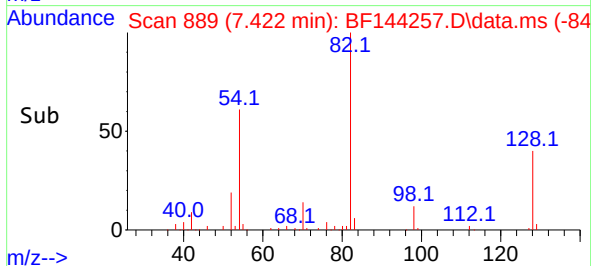


Tgt Ion: 82 Resp: 84519
Ion Ratio Lower Upper
82 100
128 39.7 34.7 52.1
54 61.0 49.5 74.3

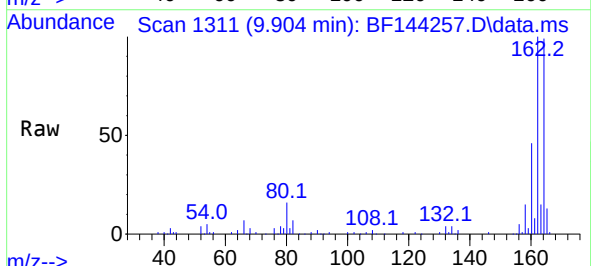
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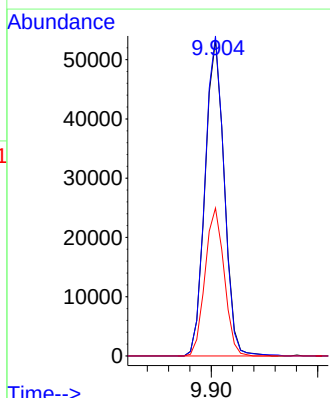
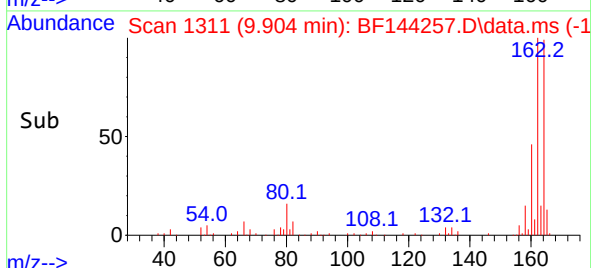
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

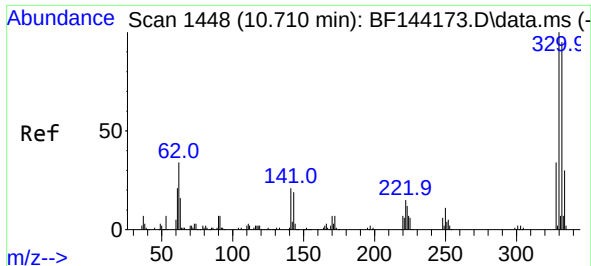


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16



Tgt Ion:164 Resp: 66638
Ion Ratio Lower Upper
164 100
162 101.3 81.1 121.7
160 46.8 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 35.952 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

Instrument :

BNA_F

ClientSampleId :

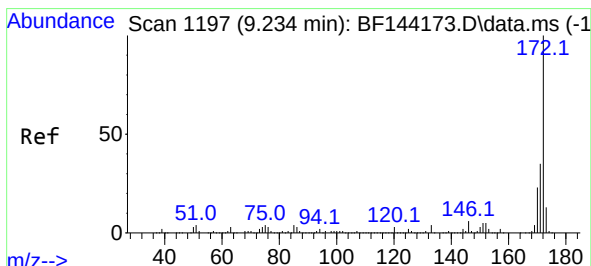
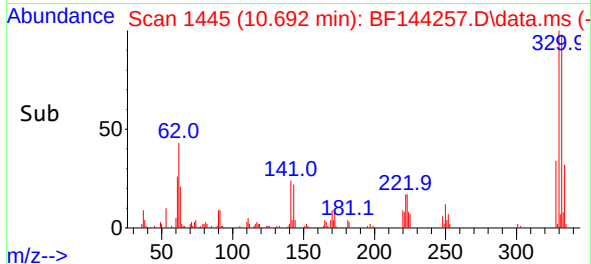
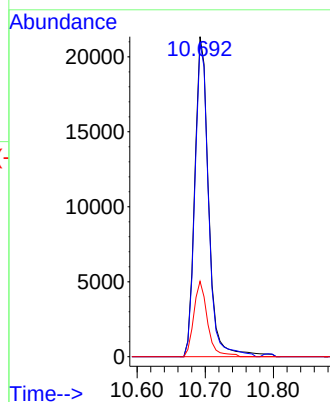
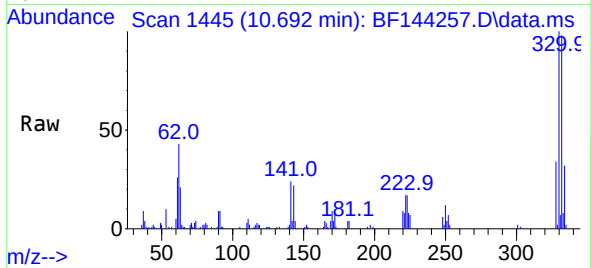
TP-2

Tgt Ion:330 Resp: 30064
Ion Ratio Lower Upper
330 100
332 96.1 76.7 115.1
141 23.3 17.8 26.8

Manual Integrations

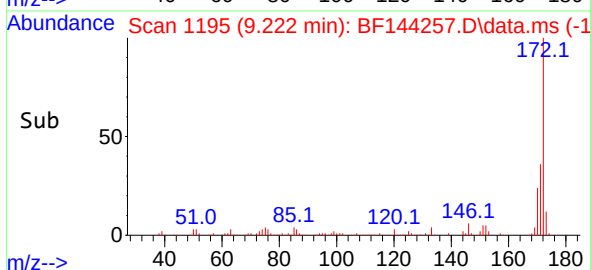
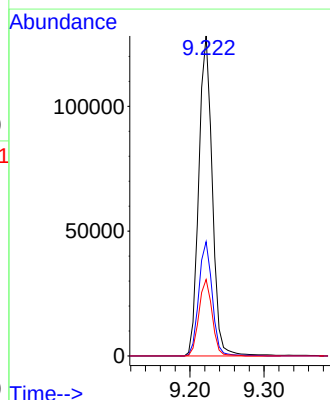
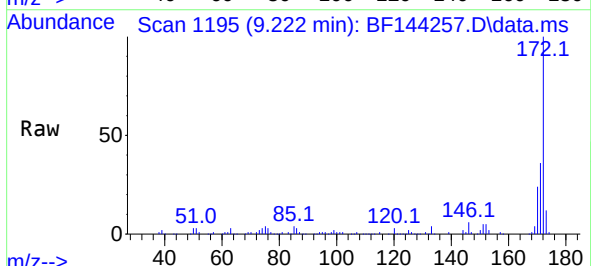
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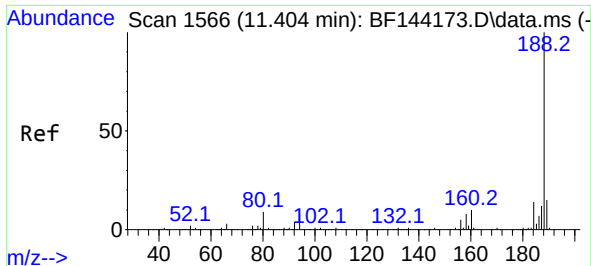
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#45
2-Fluorobiphenyl
Concen: 35.943 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

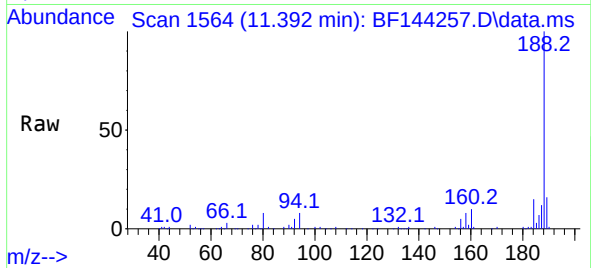
Tgt Ion:172 Resp: 162174
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.9 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

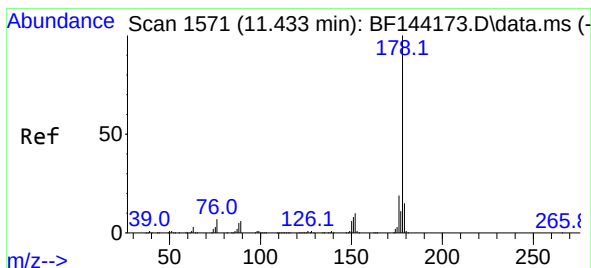
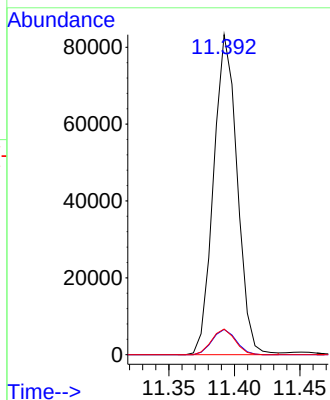
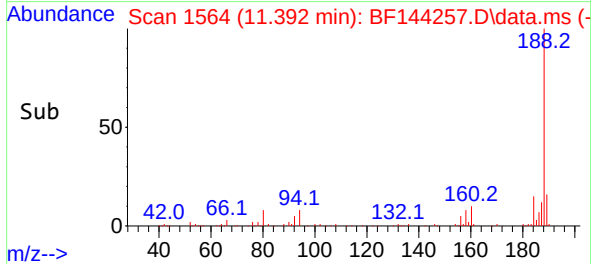
Instrument :
BNA_F
ClientSampleId :
TP-2



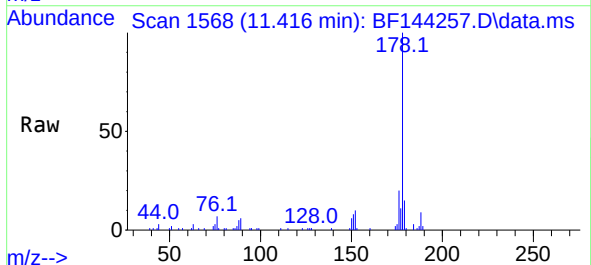
Tgt Ion:188 Resp: 104372
Ion Ratio Lower Upper
188 100
94 7.9 6.2 9.2
80 8.0 6.9 10.3

Manual Integrations
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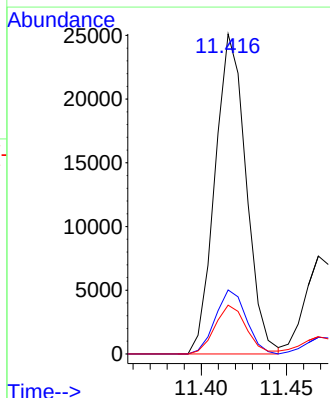
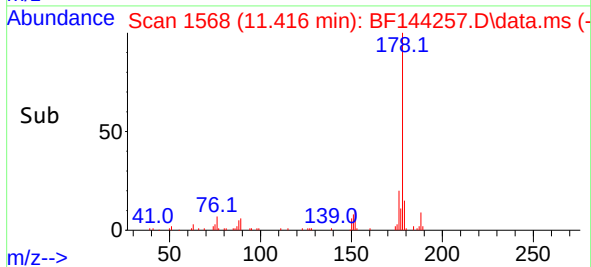
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

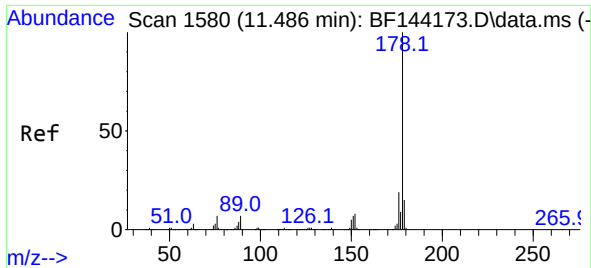


#71
Phenanthrene
Concen: 6.124 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16



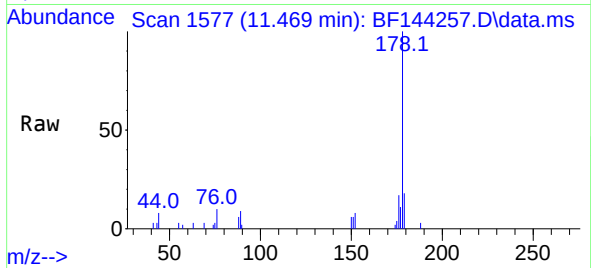
Tgt Ion:178 Resp: 31826
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 15.3 12.2 18.4





#72
 Anthracene
 Concen: 2.147 ng
 RT: 11.469 min Scan# 1134
 Delta R.T. -0.012 min
 Lab File: BF144257.D
 Acq: 14 Nov 2025 12:16

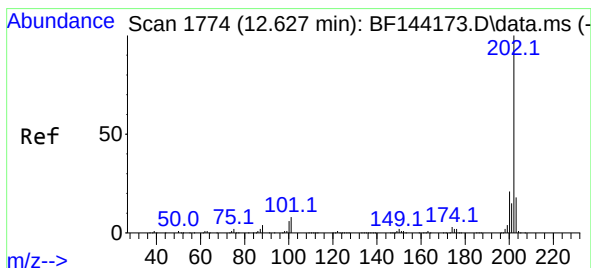
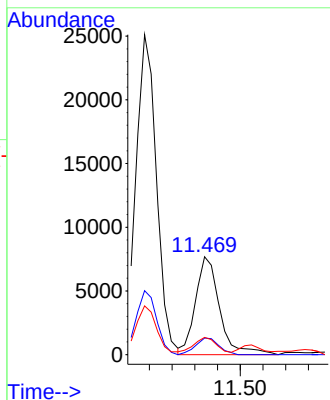
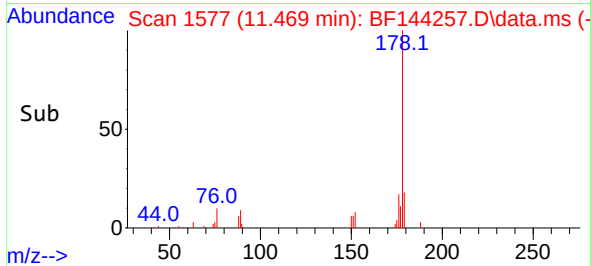
Instrument :
 BNA_F
 ClientSampleId :
 TP-2



Tgt Ion:178 Resp: 1134
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.3 22.9
 179 17.7 12.0 18.0

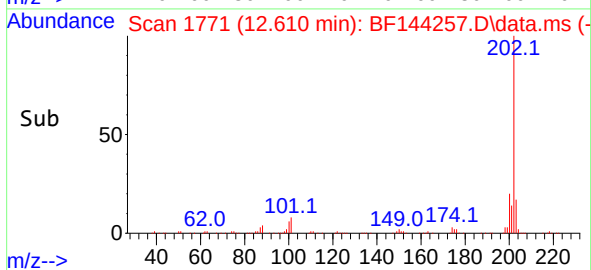
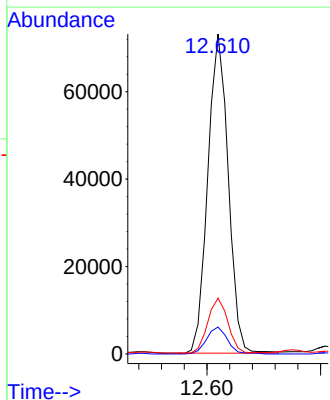
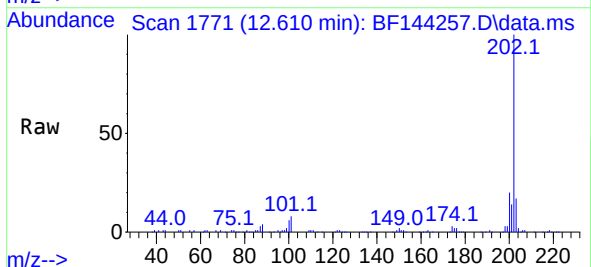
Manual Integrations
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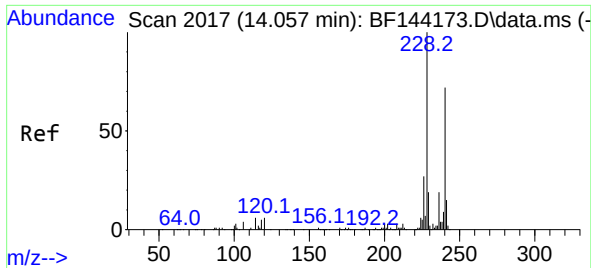
Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025



#75
 Fluoranthene
 Concen: 17.017 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144257.D
 Acq: 14 Nov 2025 12:16

Tgt Ion:202 Resp: 91347
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 27.9
 203 17.5 0.0 37.5





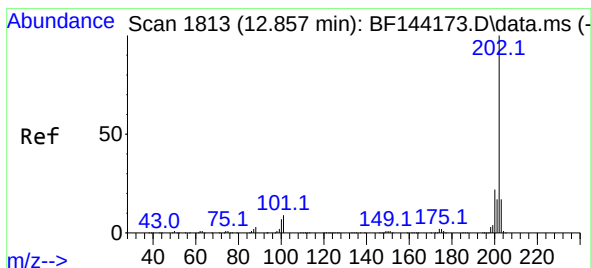
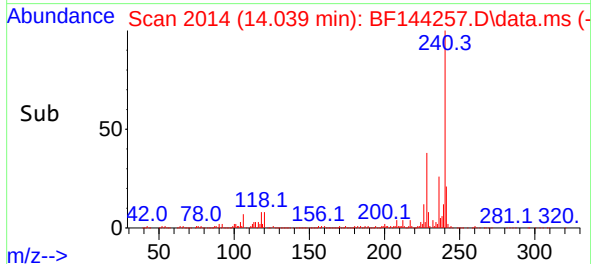
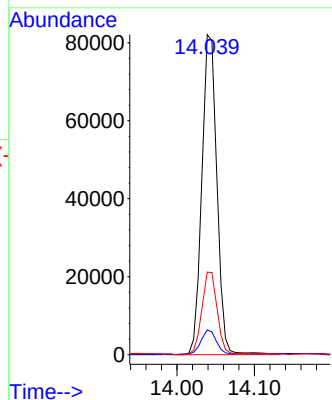
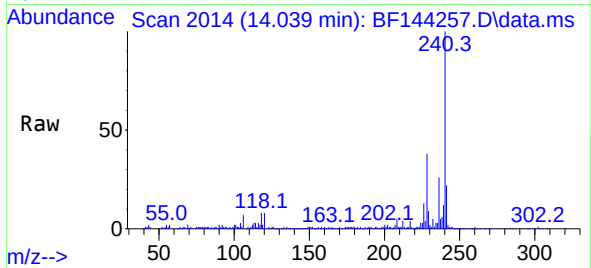
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:240 Resp: 11110
Ion Ratio Lower Upper
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120 7.8 6.6 10.0
236 25.8 21.4 32.2

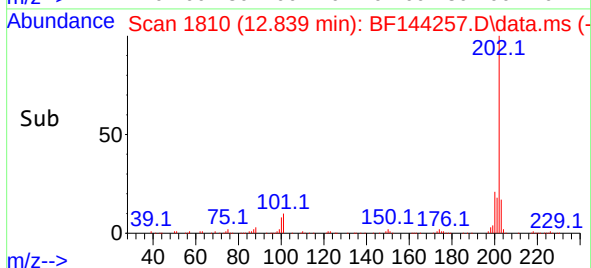
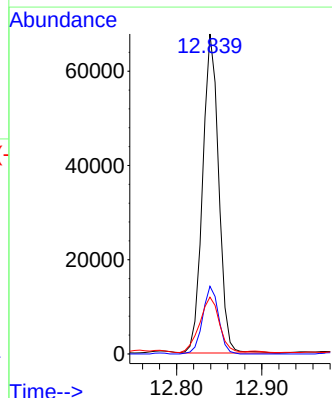
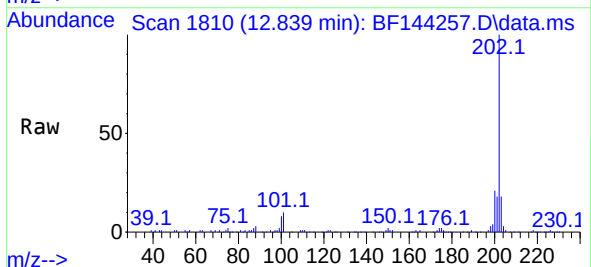
Manual Integrations
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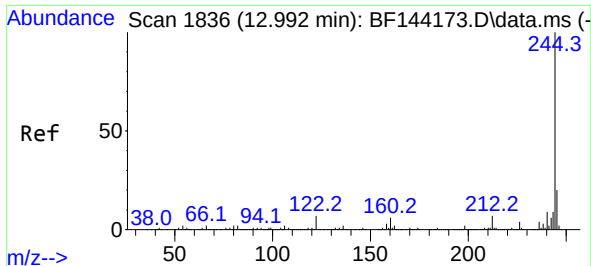
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#78
Pyrene
Concen: 9.885 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

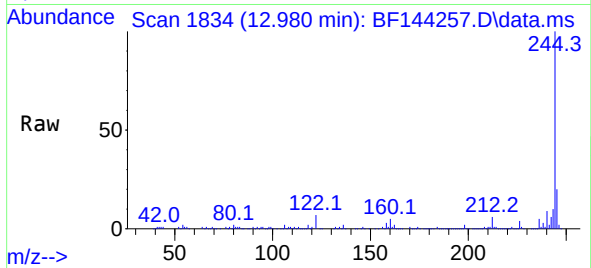
Tgt Ion:202 Resp: 88552
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 17.8 13.7 20.5





#79
 Terphenyl-d14
 Concen: 22.559 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144257.D
 Acq: 14 Nov 2025 12:16

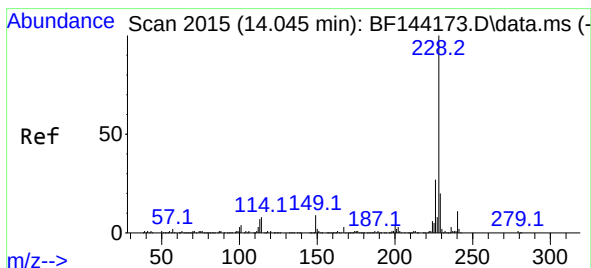
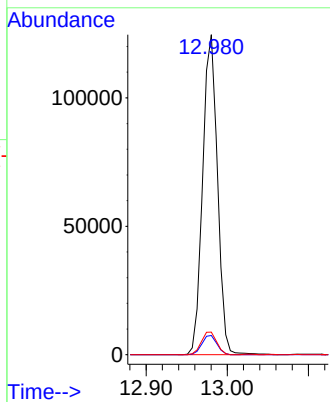
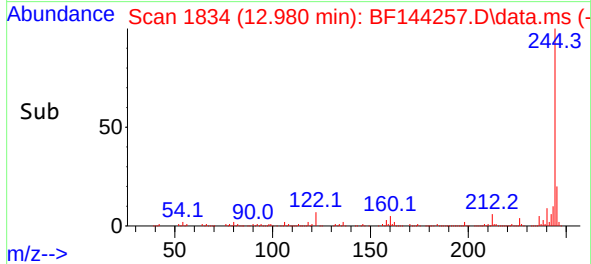
Instrument :
 BNA_F
 ClientSampleId :
 TP-2



Tgt Ion:244 Resp: 15778
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.3 7.9
 122 7.1 5.6 8.4

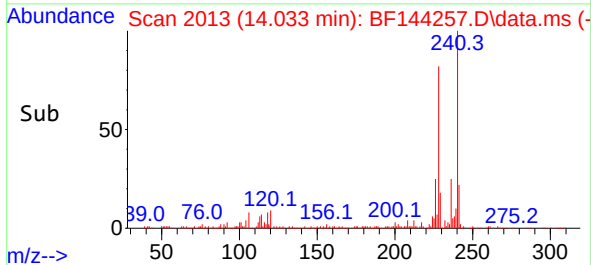
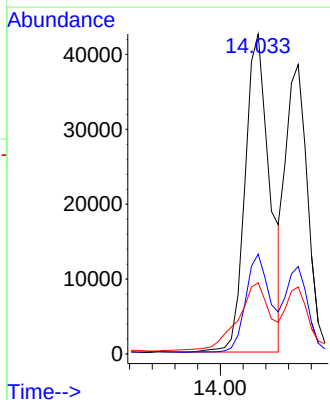
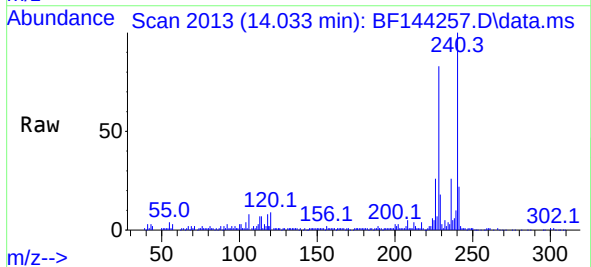
Manual Integrations
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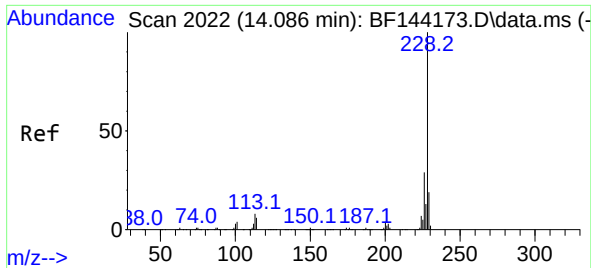
Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025



#81
 Benzo(a)anthracene
 Concen: 8.313 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144257.D
 Acq: 14 Nov 2025 12:16

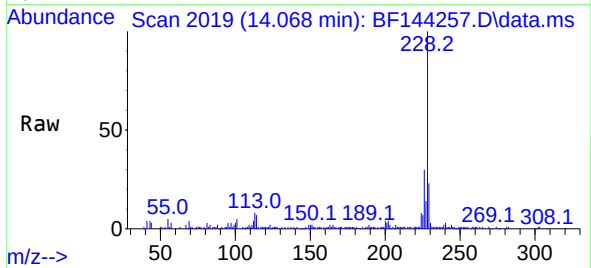
Tgt Ion:228 Resp: 64012
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.8 32.8
 229 22.3 15.8 23.6





#83
Chrysene
Concen: 7.400 ng m
RT: 14.068 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

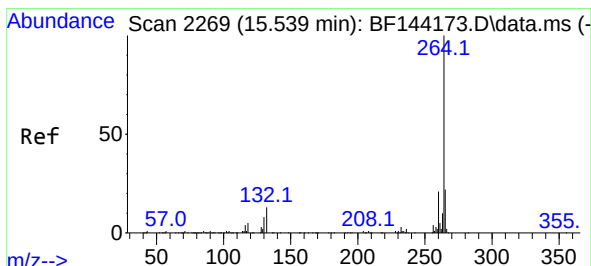
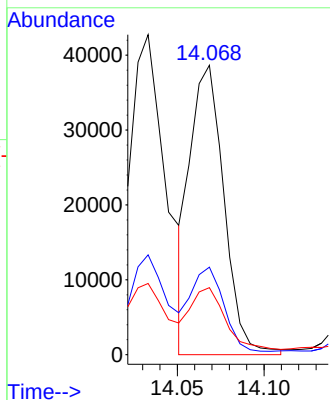
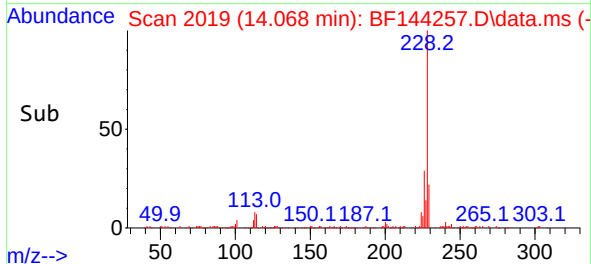
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:228 Resp: 52604
Ion Ratio Lower Upper
228 100
226 30.2 22.9 34.3
229 23.2 15.0 22.6

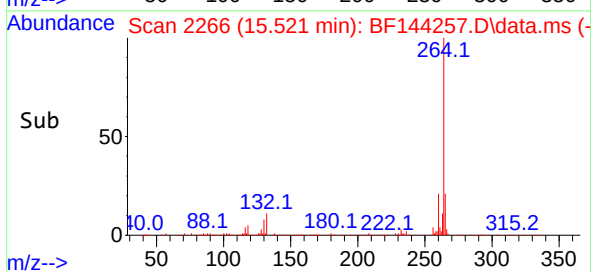
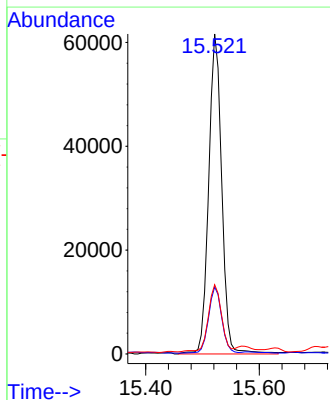
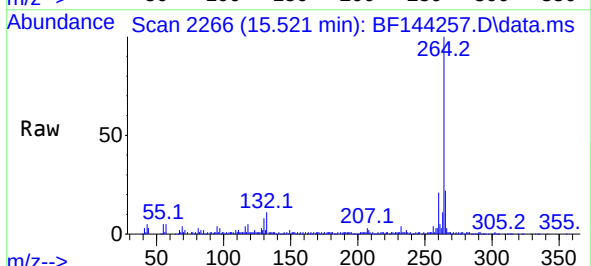
Manual Integrations
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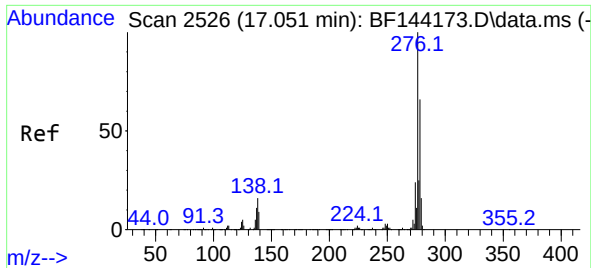
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

Tgt Ion:264 Resp: 98257
Ion Ratio Lower Upper
264 100
260 20.9 17.1 25.7
265 21.6 17.4 26.0





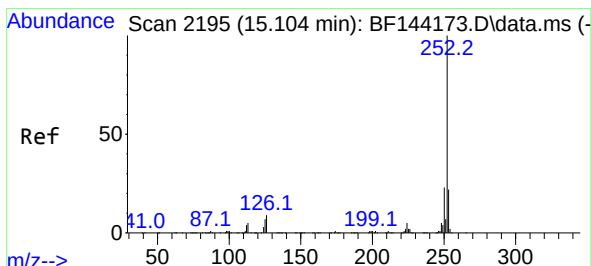
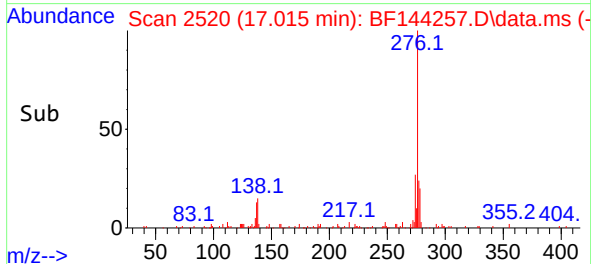
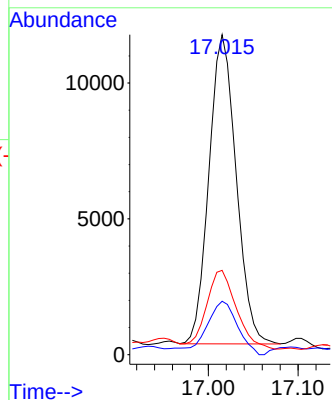
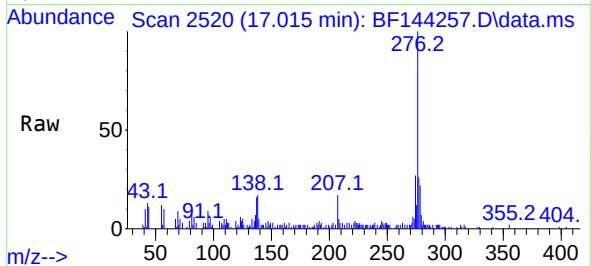
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.397 ng
RT: 17.015 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:276 Resp: 2396
Ion Ratio Lower Upper
276 100
138 19.2 13.9 20.9
277 28.2 19.8 29.6

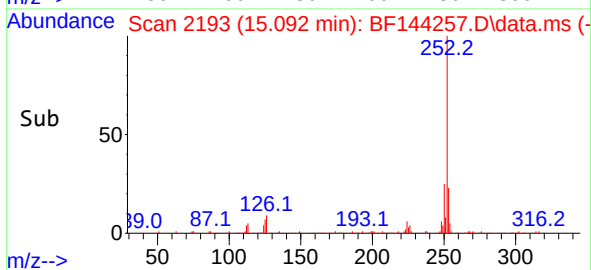
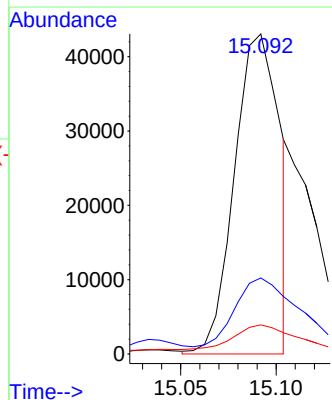
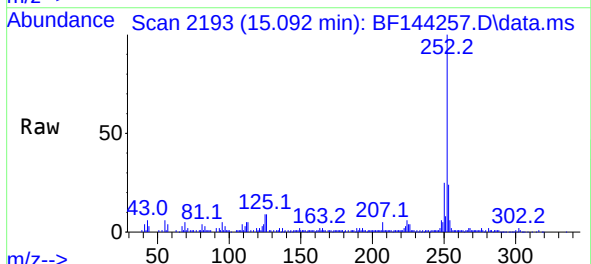
Manual Integrations
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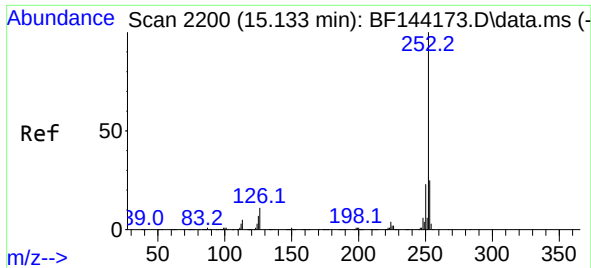
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#88
Benzo(b)fluoranthene
Concen: 12.703 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

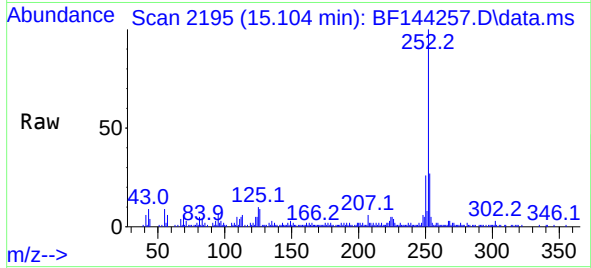
Tgt Ion:252 Resp: 70961
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 9.1 5.3 7.9#





#89
Benzo(k)fluoranthene
Concen: 5.662 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

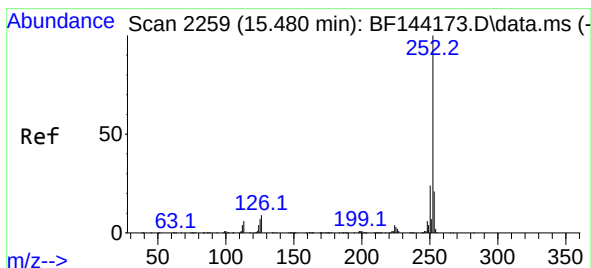
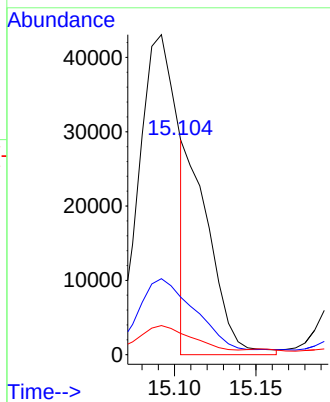
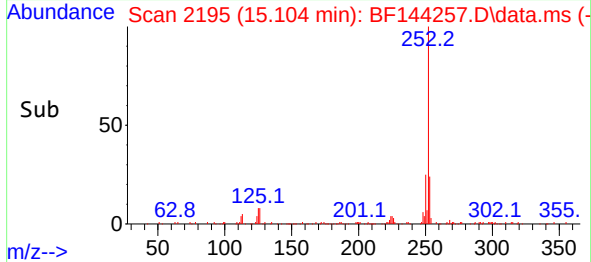
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:252 Resp: 29604
Ion Ratio Lower Upper
252 100
253 26.8 18.0 27.0
125 9.9 5.4 8.2

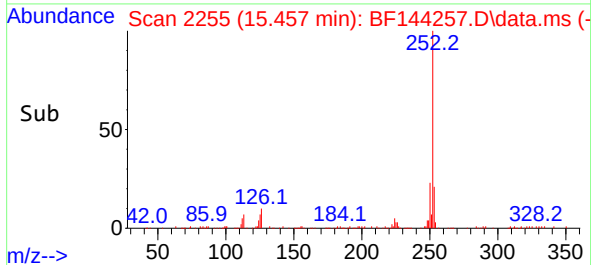
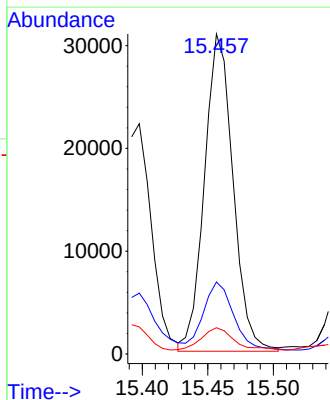
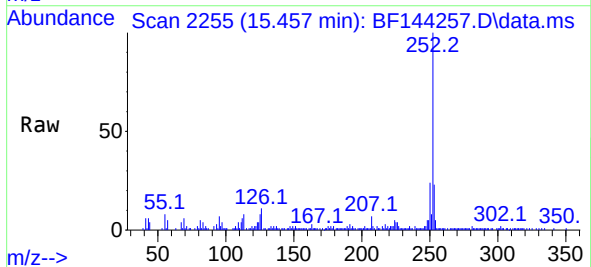
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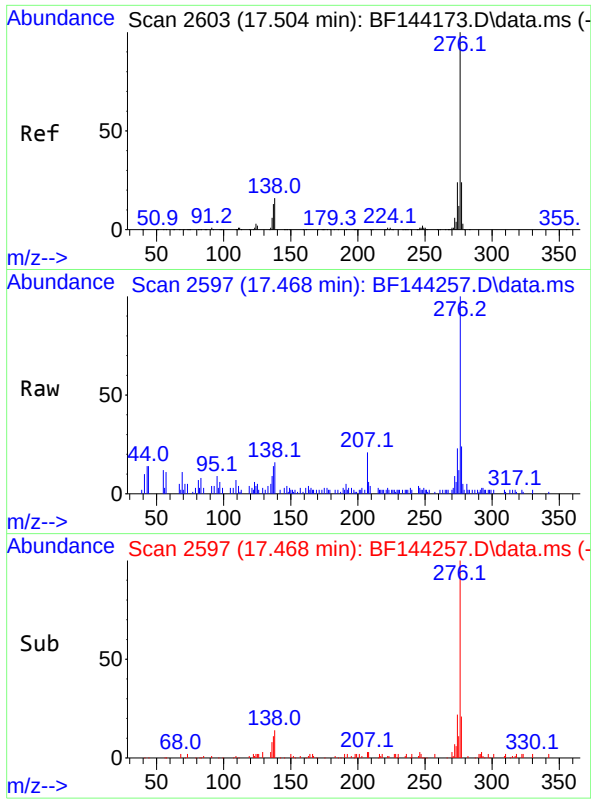
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#90
Benzo(a)pyrene
Concen: 9.070 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144257.D
Acq: 14 Nov 2025 12:16

Tgt Ion:252 Resp: 46741
Ion Ratio Lower Upper
252 100
253 22.5 16.7 25.1
125 8.2 5.7 8.5





#92

Benzo(g,h,i)perylene

Concen: 4.646 ng

RT: 17.468 min Scan# 2

Delta R.T. -0.024 min

Lab File: BF144257.D

Acq: 14 Nov 2025 12:16

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:276 Resp: 2598

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 16.0 12.9 19.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/17/2025

Supervised By :Sohil Jodhani 11/17/2025

