

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
 Data File : BF144258.D
 Acq On : 14 Nov 2025 12:46
 Operator : RC/JU
 Sample : Q3601-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 13:10:08 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	46135	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	153333	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	73436	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	129718	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	113165	20.000	ng	0.00
86) Perylene-d12	15.521	264	92089	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	133959	45.438	ng	-0.01
7) Phenol-d6	6.492	99	153601	45.981	ng	0.00
23) Nitrobenzene-d5	7.428	82	93669	35.282	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	42069	45.651	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	192169	38.649	ng	0.00
79) Terphenyl-d14	12.980	244	190710	26.768	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	36362	5.630	ng	98
75) Fluoranthene	12.610	202	98484	14.762	ng	99
78) Pyrene	12.839	202	91011	9.974	ng	98
81) Benzo(a)anthracene	14.033	228	58470	7.455	ng	97
83) Chrysene	14.068	228	46529m	6.426	ng	
87) Indeno(1,2,3-cd)pyrene	17.015	276	18965	2.869	ng	# 96
88) Benzo(b)fluoranthene	15.092	252	52258m	9.982	ng	
89) Benzo(k)fluoranthene	15.104	252	21568m	4.401	ng	
90) Benzo(a)pyrene	15.457	252	33516	6.939	ng	# 95
92) Benzo(g,h,i)perylene	17.468	276	21283	4.060	ng	# 91

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

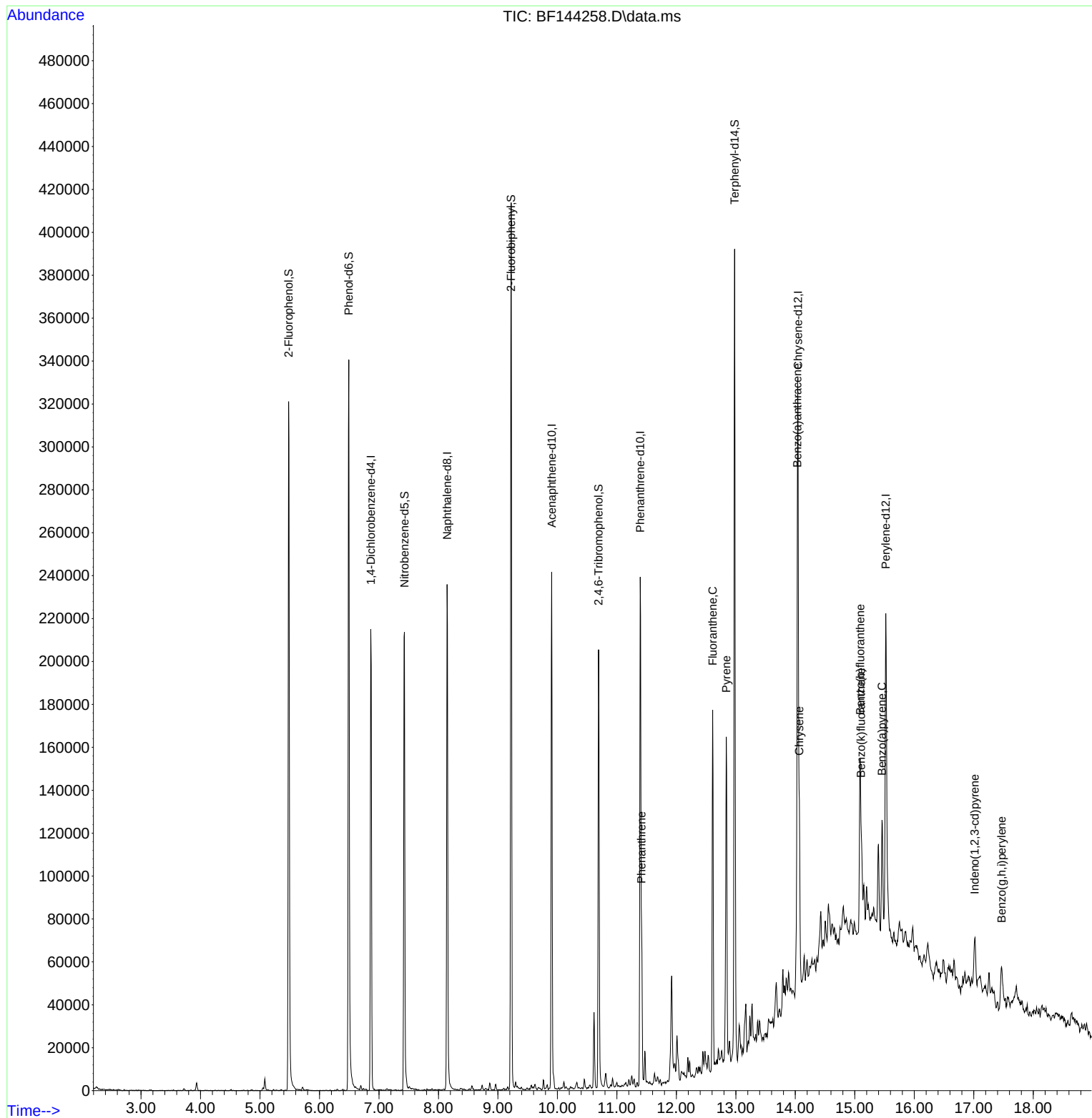
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
Data File : BF144258.D
Acq On : 14 Nov 2025 12:46
Operator : RC/JU
Sample : Q3601-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

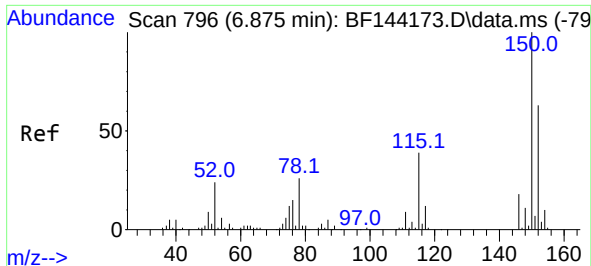
Instrument :
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Quant Time: Nov 14 13:10:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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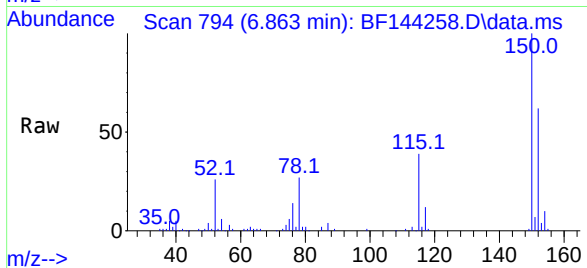
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Supervised By :Sohil Jodhani 11/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

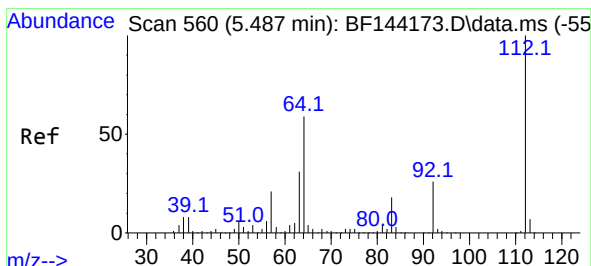
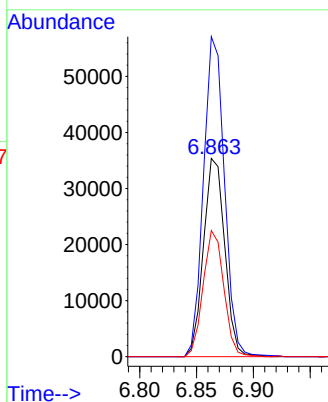
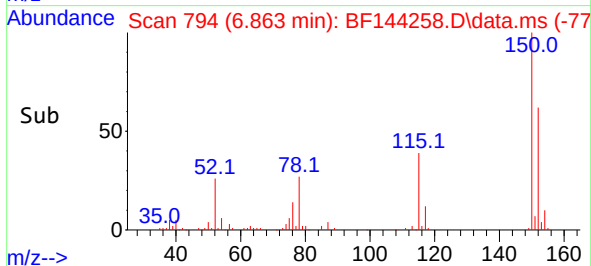
Instrument :
BNA_F
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TP-1



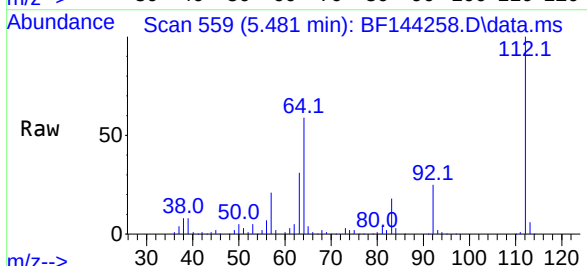
Tgt Ion:152 Resp: 46135
Ion Ratio Lower Upper
152 100
150 161.4 127.4 191.0
115 63.6 49.5 74.3

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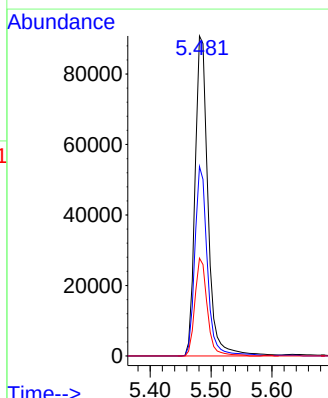
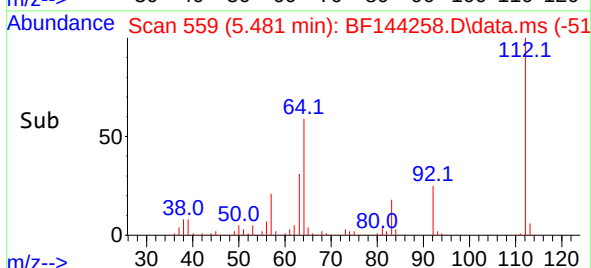
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

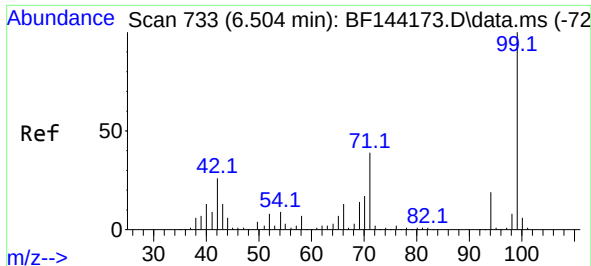


#5
2-Fluorophenol
Concen: 45.438 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46



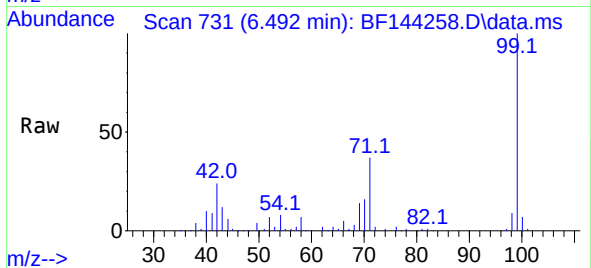
Tgt Ion:112 Resp: 133959
Ion Ratio Lower Upper
112 100
64 59.2 47.2 70.8
63 30.6 24.4 36.6





#7
Phenol-d6
Concen: 45.981 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

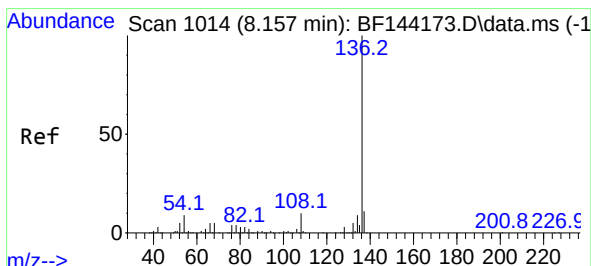
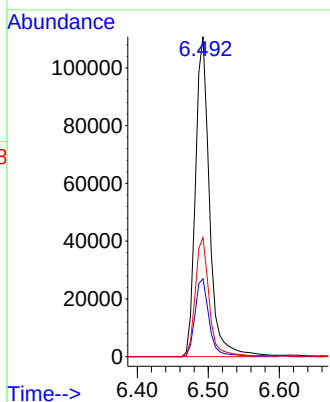
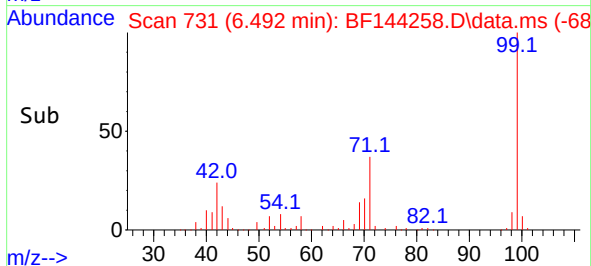
Instrument :
BNA_F
ClientSampleId :
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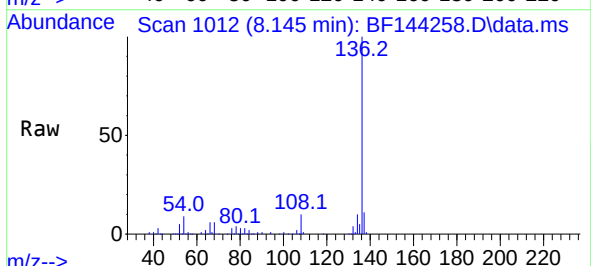
Tgt Ion: 99 Resp: 15360
Ion Ratio Lower Upper
99 100
42 24.4 20.9 31.3
71 37.2 31.4 47.2

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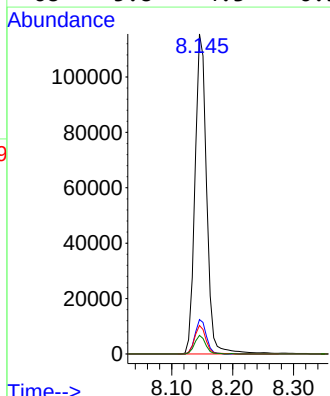
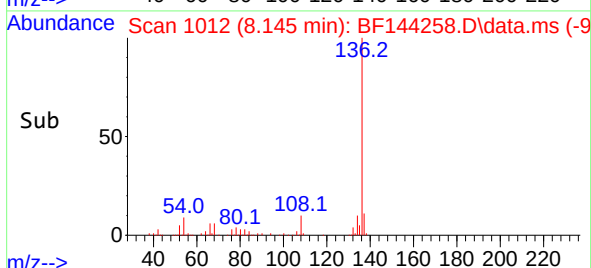
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

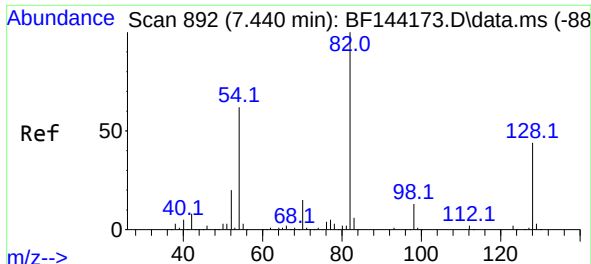


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46



Tgt Ion:136 Resp: 153333
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.9 7.0 10.6
68 5.8 4.3 6.5





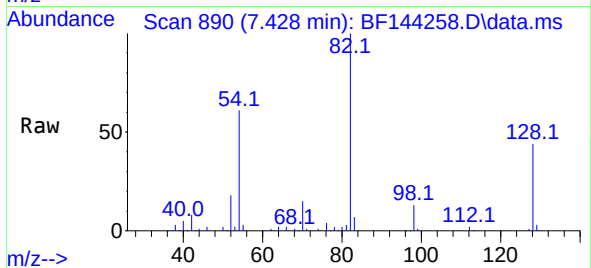
#23
Nitrobenzene-d5
Concen: 35.282 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Instrument :

BNA_F

ClientSampleId :

TP-1

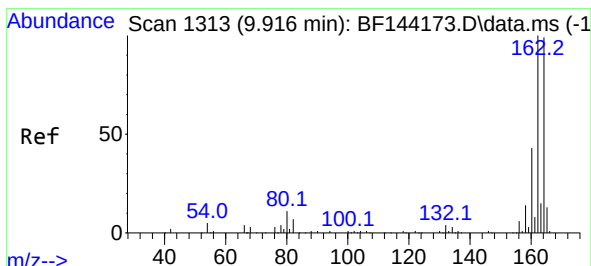
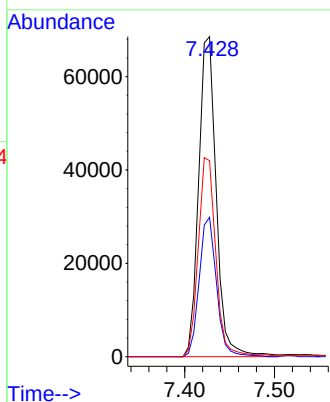
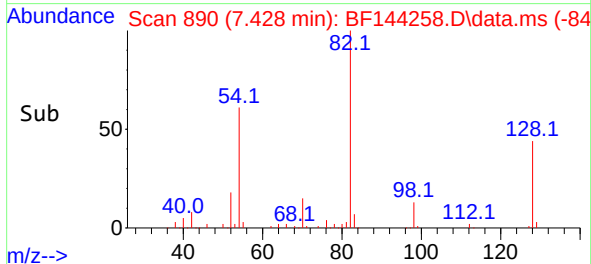


Tgt Ion: 82 Resp: 9366
Ion Ratio Lower Upper
82 100
128 43.5 34.7 52.1
54 61.3 49.5 74.3

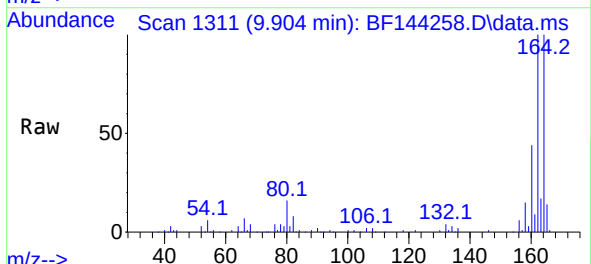
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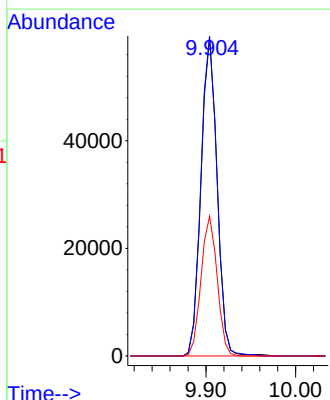
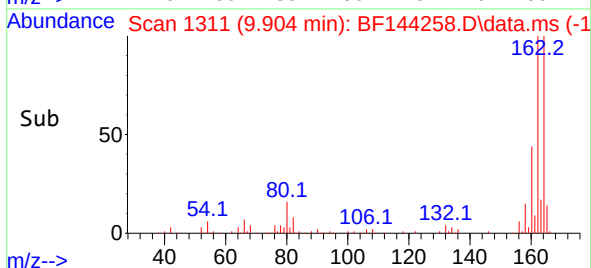
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Supervised By :Sohil Jodhani 11/17/2025

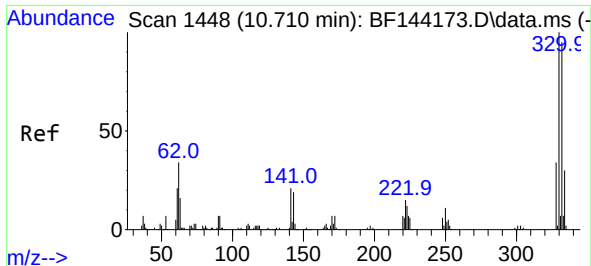


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46



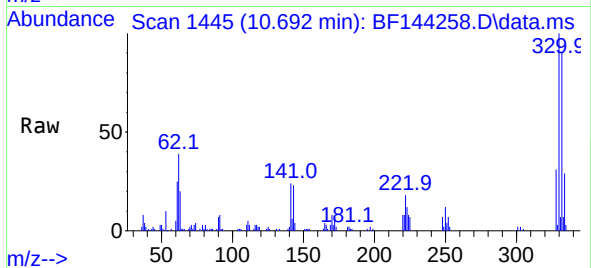
Tgt Ion:164 Resp: 73436
Ion Ratio Lower Upper
164 100
162 100.4 81.1 121.7
160 43.9 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 45.651 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

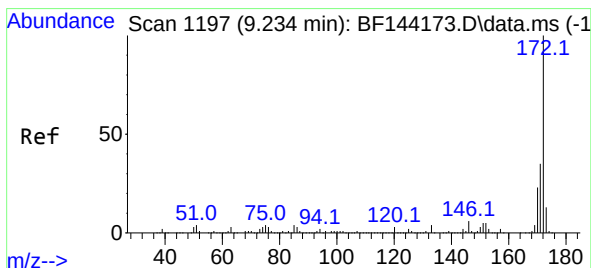
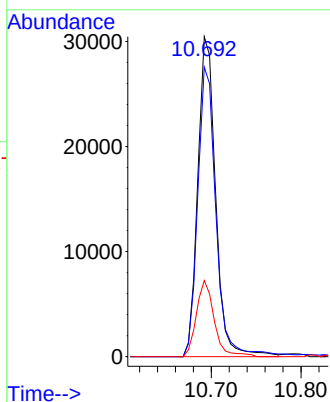
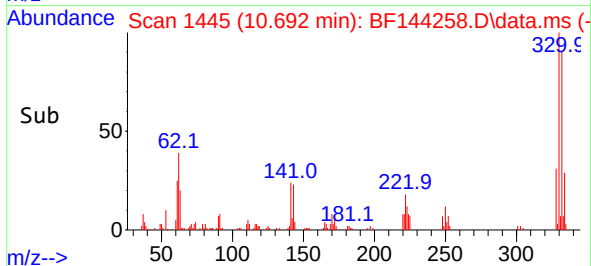
Instrument :
BNA_F
ClientSampleId :
TP-1



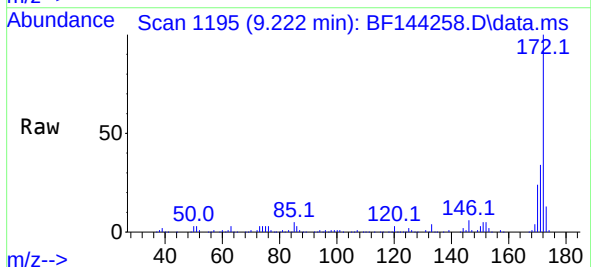
Tgt Ion:330 Resp: 42069
Ion Ratio Lower Upper
330 100
332 93.2 76.7 115.1
141 23.7 17.8 26.8

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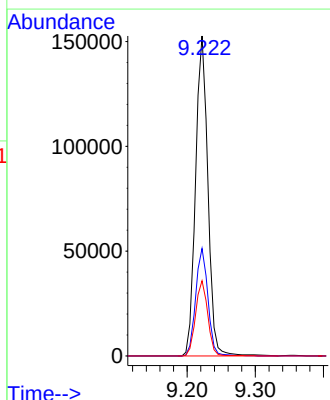
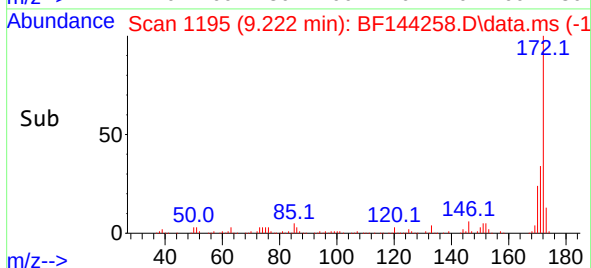
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

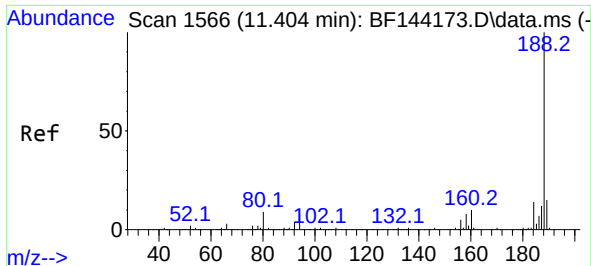


#45
2-Fluorobiphenyl
Concen: 38.649 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46



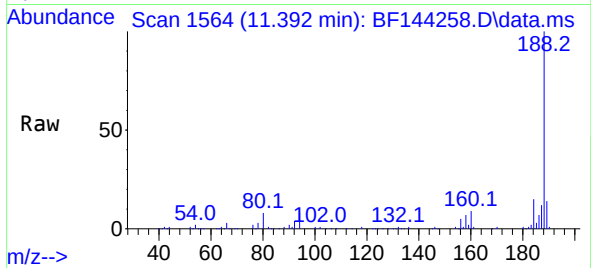
Tgt Ion:172 Resp: 192169
Ion Ratio Lower Upper
172 100
171 33.6 28.1 42.1
170 23.5 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

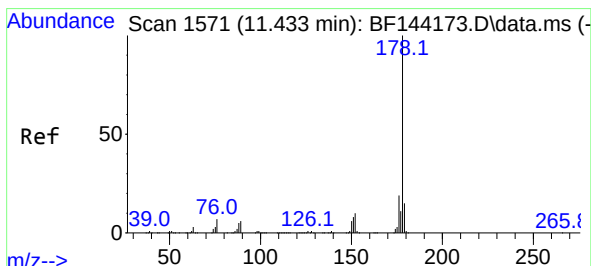
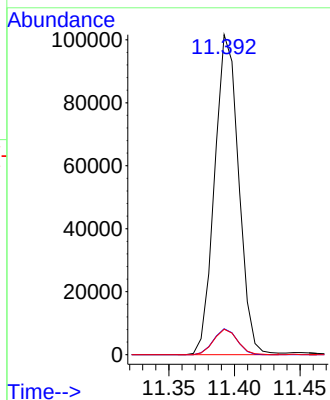
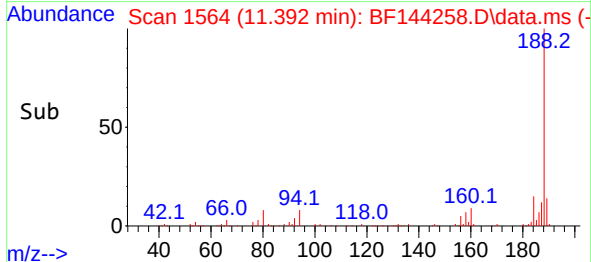
Instrument :
BNA_F
ClientSampleId :
TP-1



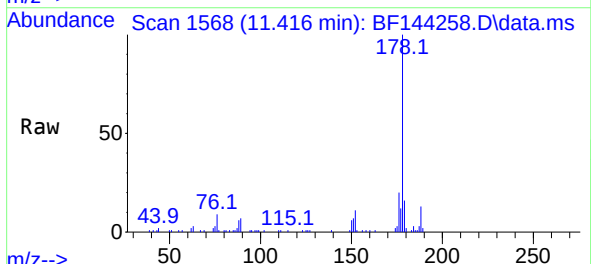
Tgt Ion:188 Resp: 129718
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.0 6.9 10.3

Manual Integrations
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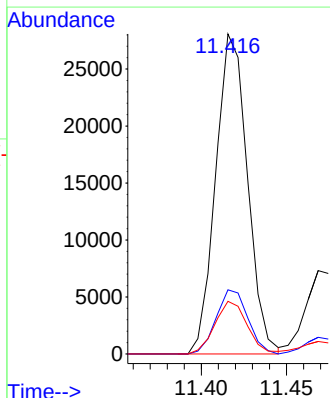
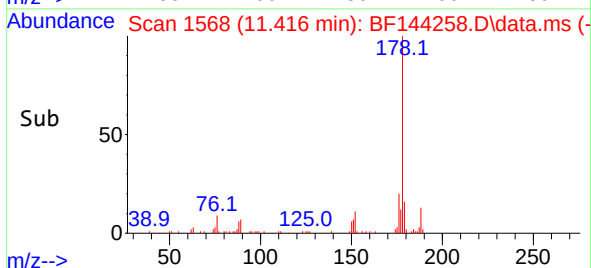
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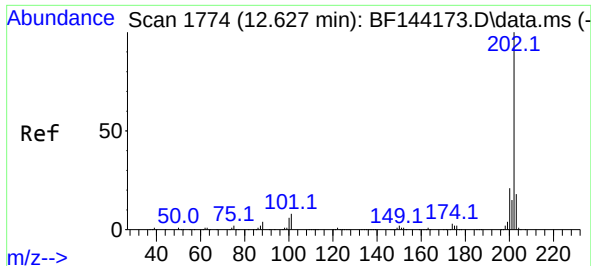


#71
Phenanthrene
Concen: 5.630 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46



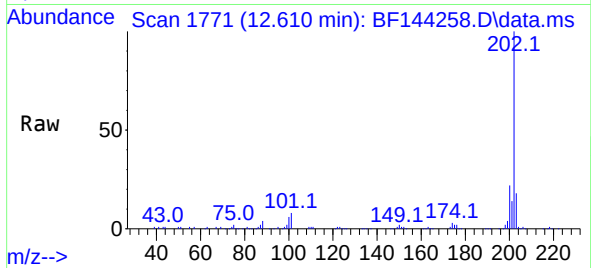
Tgt Ion:178 Resp: 36362
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 16.5 12.2 18.4





#75
Fluoranthene
Concen: 14.762 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

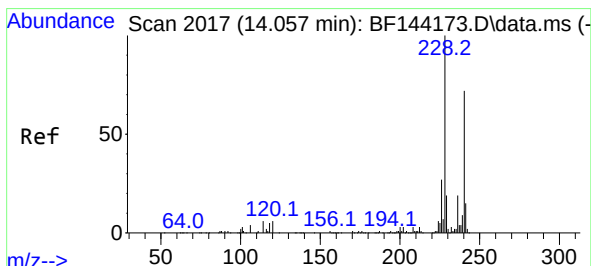
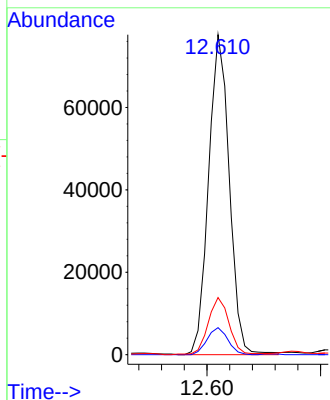
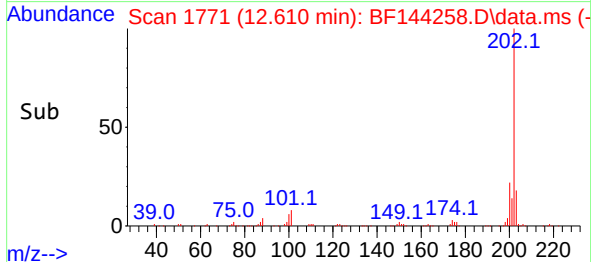
Instrument :
BNA_F
ClientSampleId :
TP-1



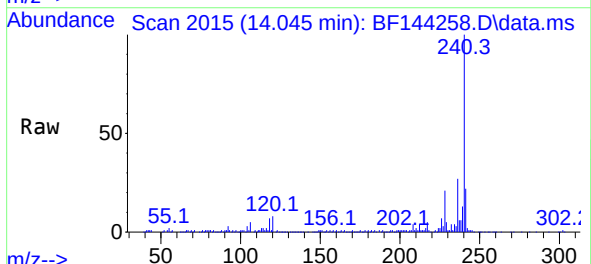
Tgt Ion:202 Resp: 98484
Ion Ratio Lower Upper
202 100
101 8.5 0.0 27.9
203 17.8 0.0 37.5

Manual Integrations
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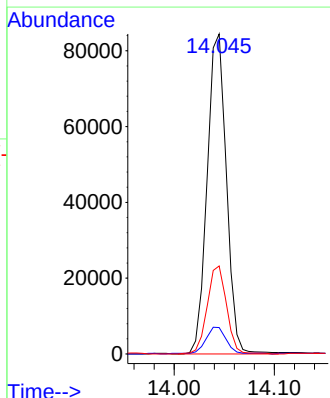
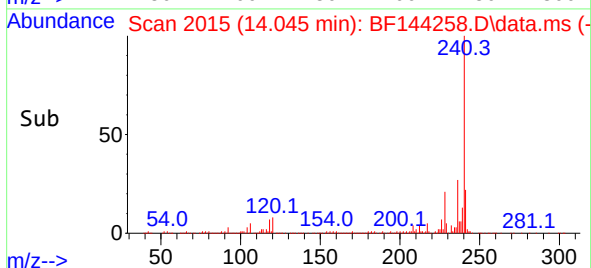
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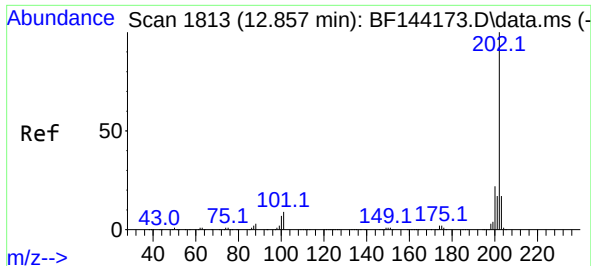


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46



Tgt Ion:240 Resp: 113165
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 27.5 21.4 32.2





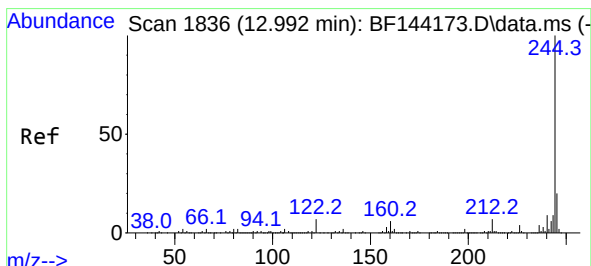
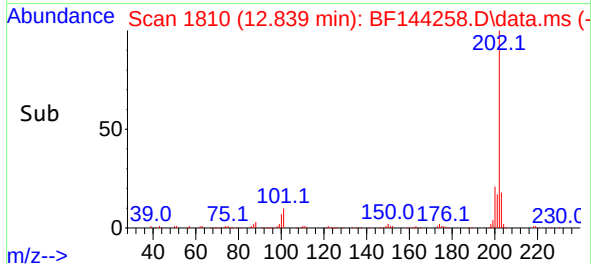
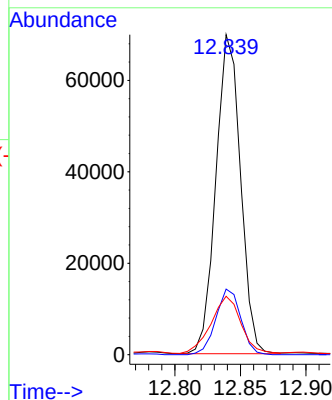
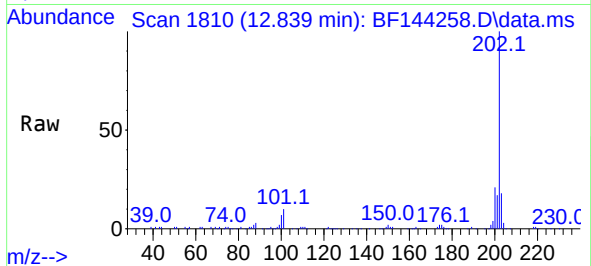
#78
Pyrene
Concen: 9.974 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202	Resp:	9101
Ion Ratio	Lower	Upper
202	100	
200	20.5	17.2 25.8
203	18.3	13.7 20.5

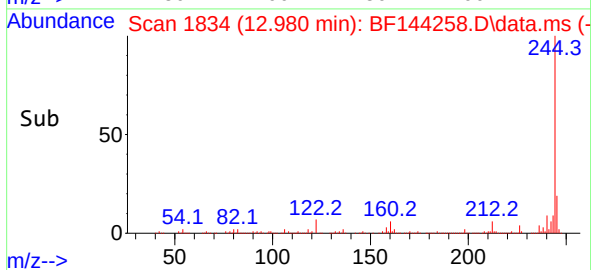
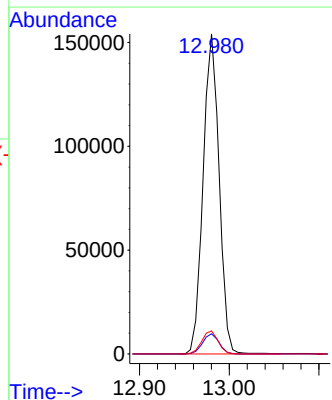
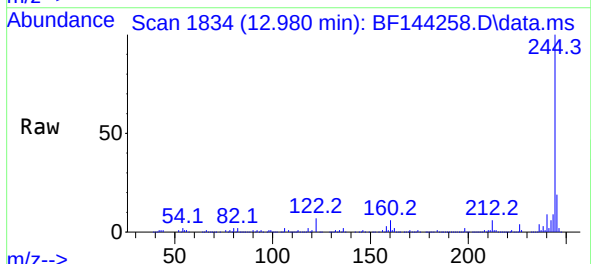
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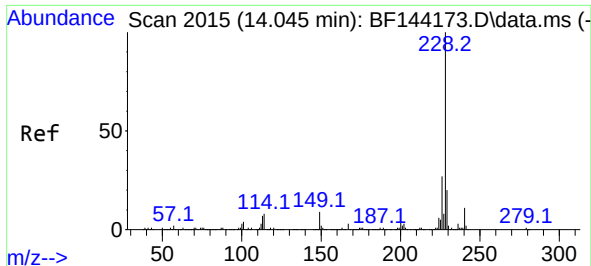
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#79
Terphenyl-d14
Concen: 26.768 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:244	Resp:	190710
Ion Ratio	Lower	Upper
244	100	
212	6.3	5.3 7.9
122	7.2	5.6 8.4





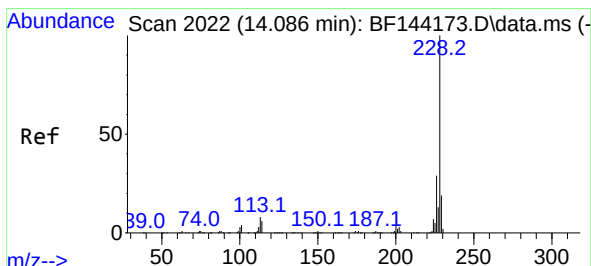
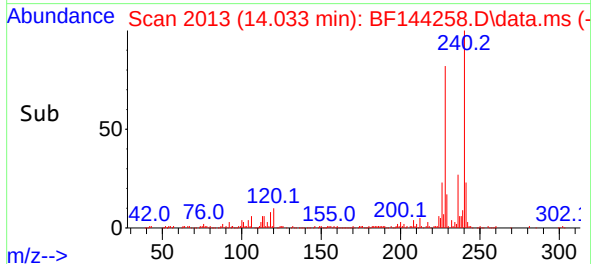
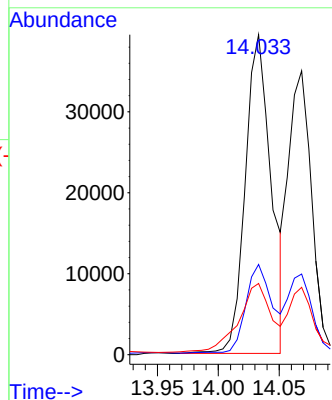
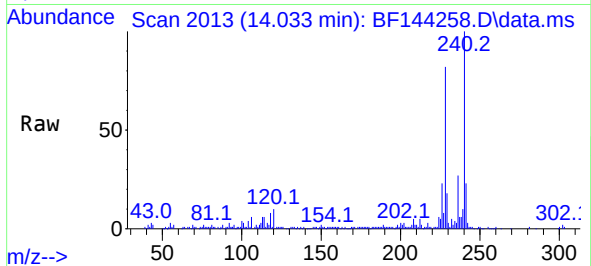
#81
Benzo(a)anthracene
Concen: 7.455 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:228 Resp: 58470
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 22.2 15.8 23.6

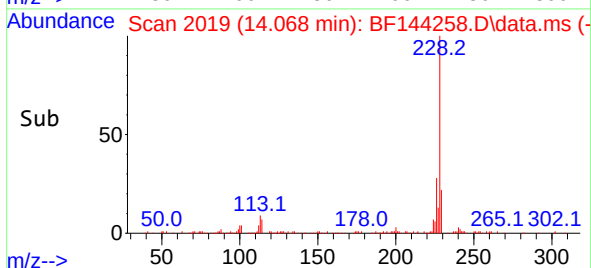
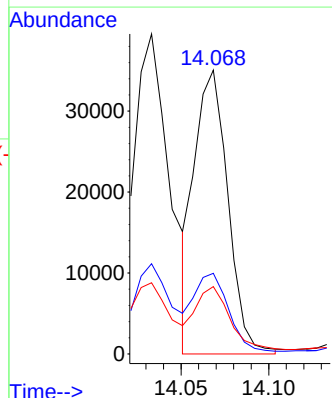
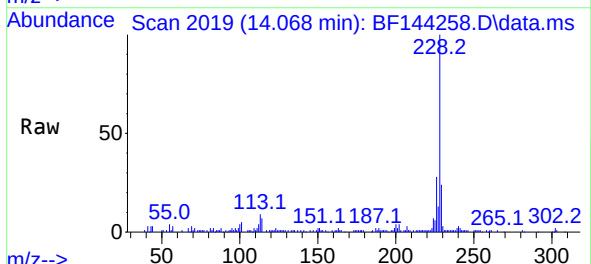
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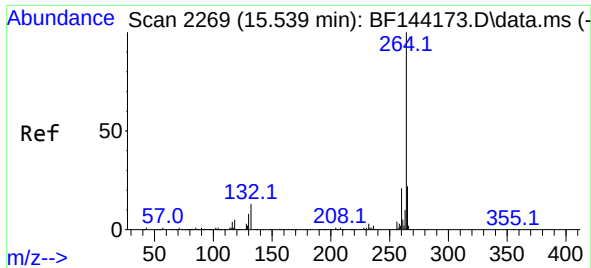
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#83
Chrysene
Concen: 6.426 ng m
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:228 Resp: 46529
Ion Ratio Lower Upper
228 100
226 28.4 22.9 34.3
229 23.7 15.0 22.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Instrument :

BNA_F

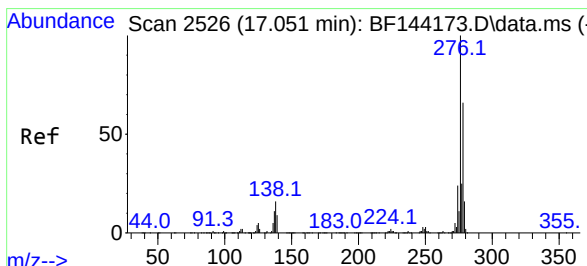
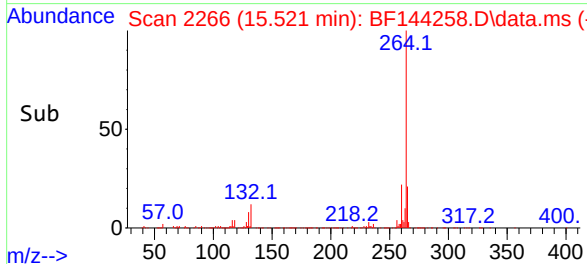
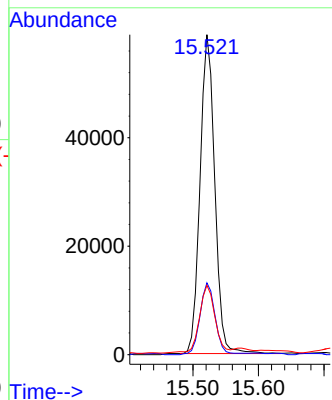
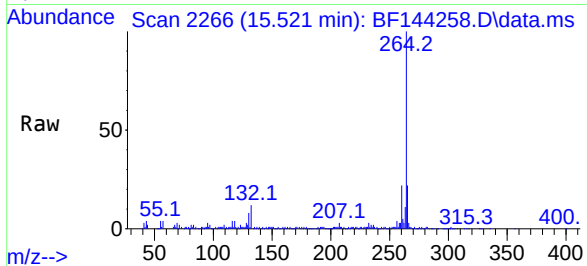
ClientSampleId :

TP-1

Tgt Ion:264 Resp: 92089
Ion Ratio Lower Upper
264 100
260 22.4 17.1 25.7
265 21.6 17.4 26.0

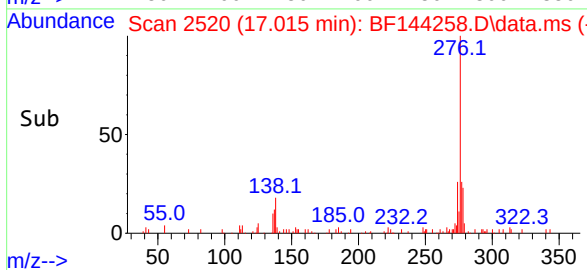
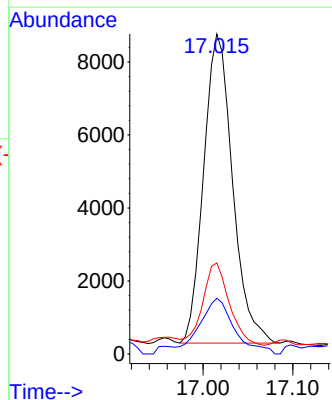
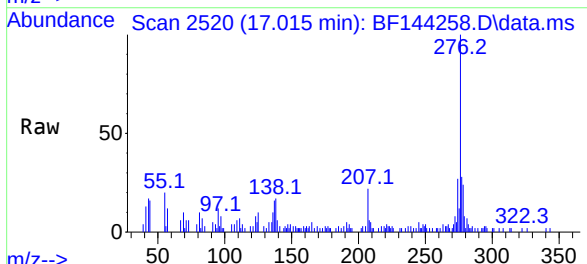
Manual Integrations
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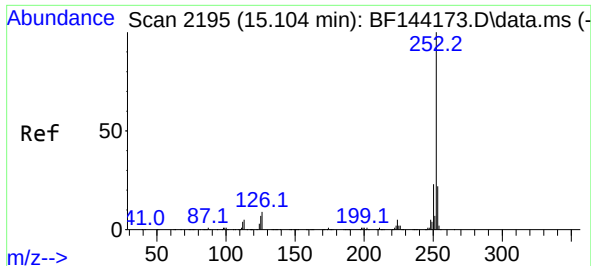
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.869 ng
RT: 17.015 min Scan# 2520
Delta R.T. -0.018 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:276 Resp: 18965
Ion Ratio Lower Upper
276 100
138 21.5 13.9 20.9#
277 24.5 19.8 29.6





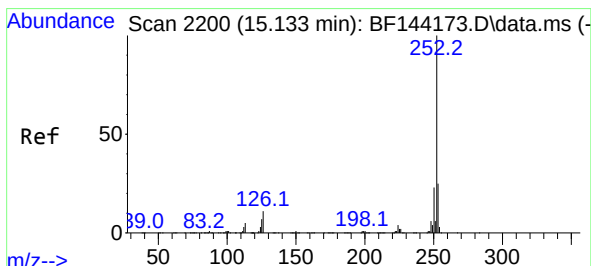
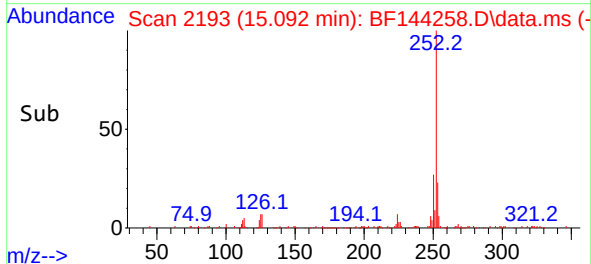
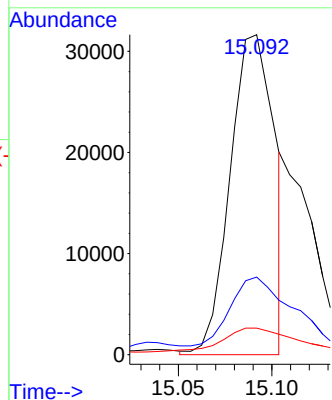
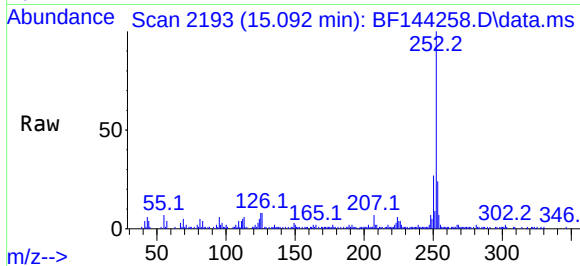
#88
Benzo(b)fluoranthene
Concen: 9.982 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 52258
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 8.3 5.3 7.9

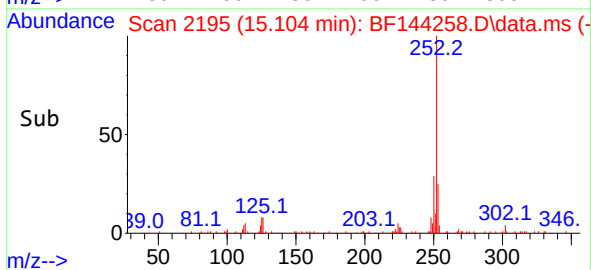
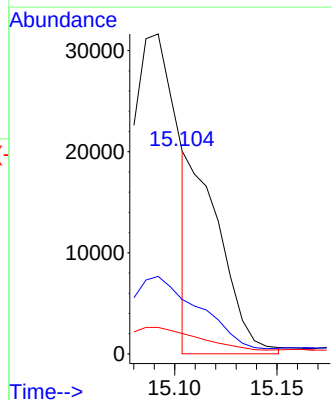
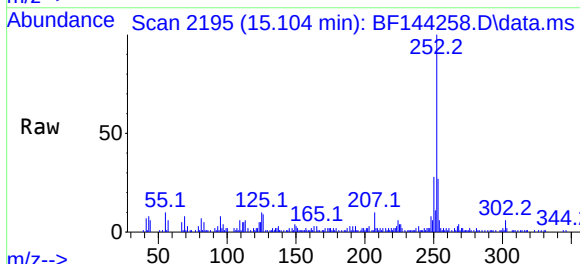
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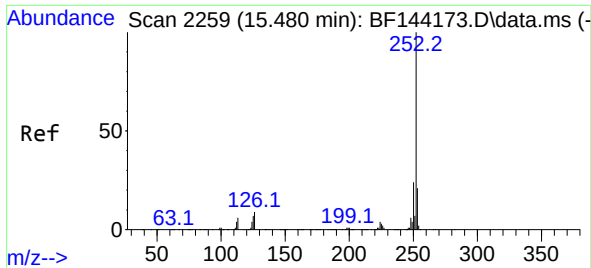
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#89
Benzo(k)fluoranthene
Concen: 4.401 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:252 Resp: 21568
Ion Ratio Lower Upper
252 100
253 26.9 18.0 27.0
125 10.1 5.4 8.2





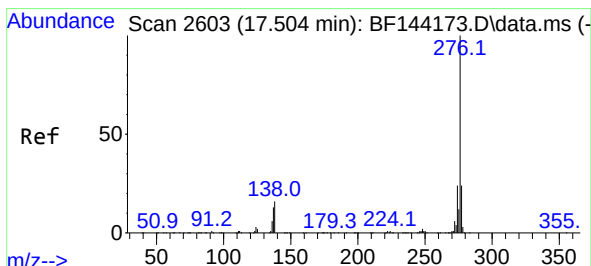
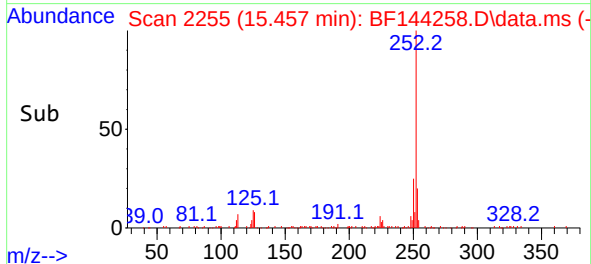
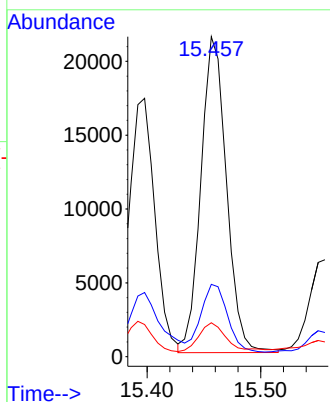
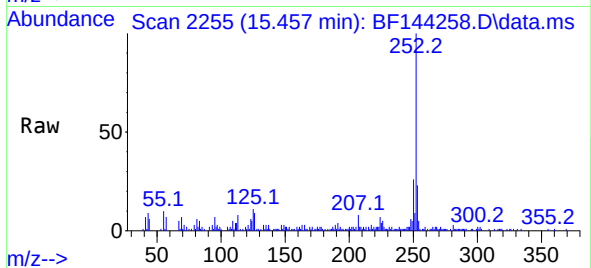
#90
Benzo(a)pyrene
Concen: 6.939 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 33510
Ion Ratio Lower Upper
252 100
253 22.6 16.7 25.1
125 10.6 5.7 8.5

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.060 ng
RT: 17.468 min Scan# 2597
Delta R.T. -0.024 min
Lab File: BF144258.D
Acq: 14 Nov 2025 12:46

Tgt Ion:276 Resp: 21283
Ion Ratio Lower Upper
276 100
277 28.5 19.0 28.4#
138 19.2 12.9 19.3

