

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
 Data File : BF144256.D
 Acq On : 14 Nov 2025 11:46
 Operator : RC/JU
 Sample : Q3624-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-11122025

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 12:10:10 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	50037	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	172762	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	80153	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	116735	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	126192	20.000	ng	0.00
86) Perylene-d12	15.521	264	116334	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	133172	41.649	ng	-0.01
7) Phenol-d6	6.493	99	146301	40.381	ng	0.00
23) Nitrobenzene-d5	7.422	82	88953	29.737	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	30531	30.354	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	171777	31.652	ng	0.00
79) Terphenyl-d14	12.980	244	150964	19.002	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.934	154	10606	2.439	ng	89
58) Fluorene	10.451	166	15623	3.373	ng	98
71) Phenanthrene	11.416	178	89128	15.335	ng	99
72) Anthracene	11.469	178	23820	4.031	ng	97
75) Fluoranthene	12.610	202	121948	20.312	ng	99
78) Pyrene	12.839	202	136442	13.410	ng	99
81) Benzo(a)anthracene	14.033	228	74288	8.494	ng	96
83) Chrysene	14.069	228	63821m	7.905	ng	
88) Benzo(b)fluoranthene	15.092	252	52702m	7.968	ng	
89) Benzo(k)fluoranthene	15.104	252	23514m	3.798	ng	
90) Benzo(a)pyrene	15.457	252	43967	7.206	ng	# 88
92) Benzo(g,h,i)perylene	17.468	276	18949	2.861	ng	95

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

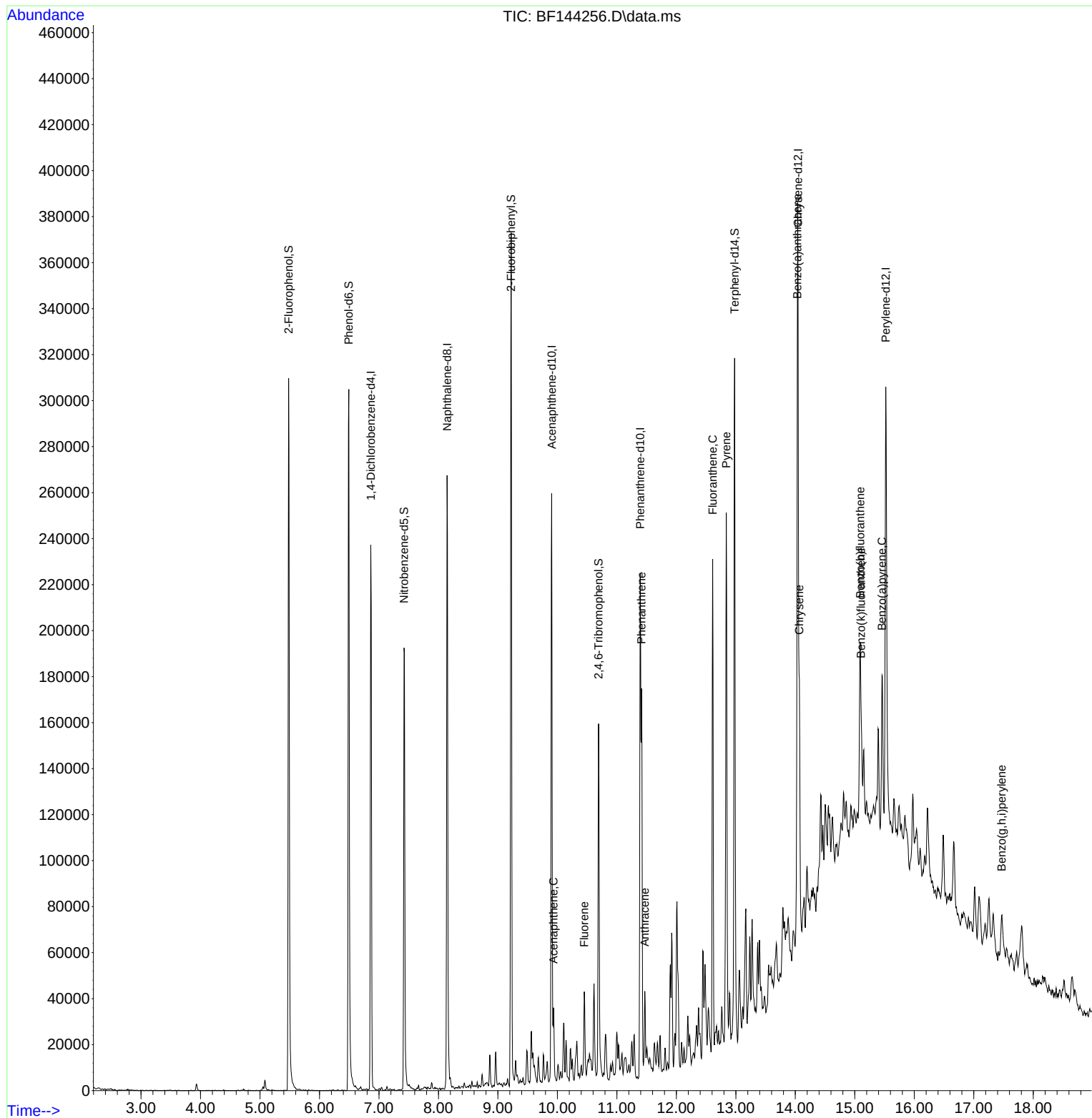
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
Data File : BF144256.D
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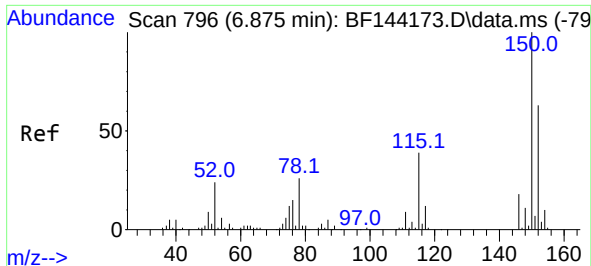
Instrument :
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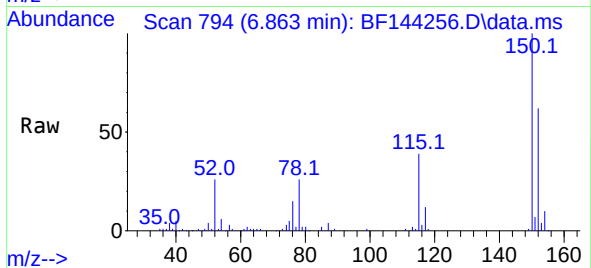
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

OK-02-11122025

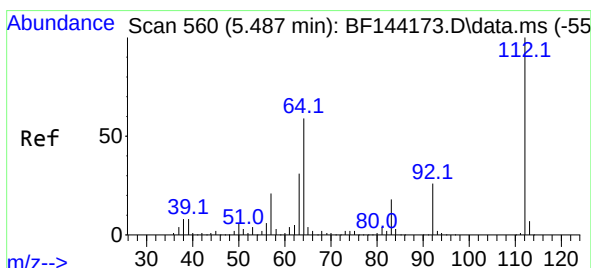
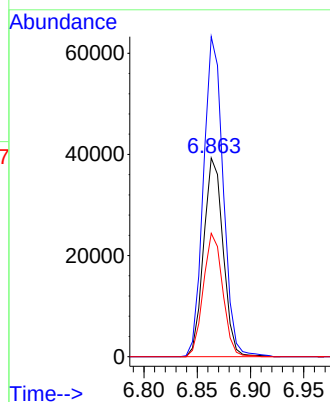
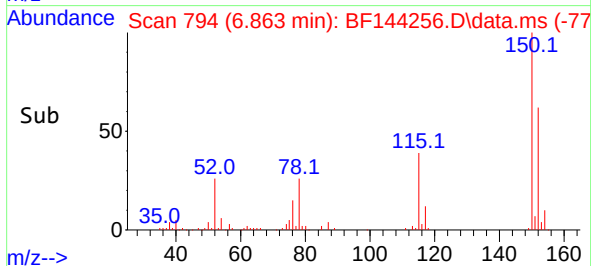


Tgt Ion:152 Resp: 5003
Ion Ratio Lower Upper
152 100
150 161.0 127.4 191.0
115 62.0 49.5 74.3

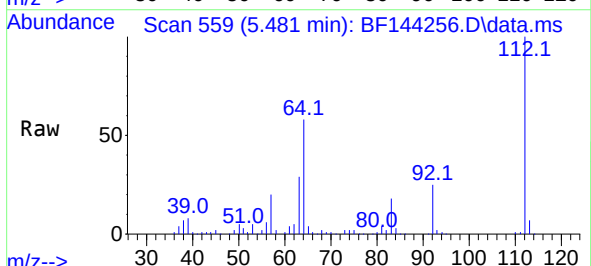
Manual Integrations

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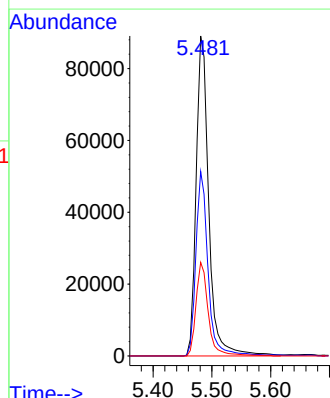
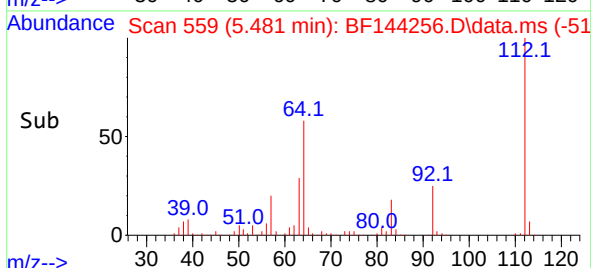
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

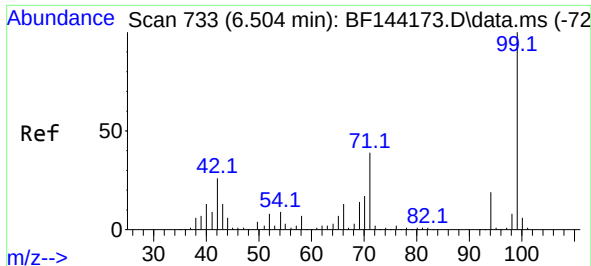


#5
2-Fluorophenol
Concen: 41.649 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46



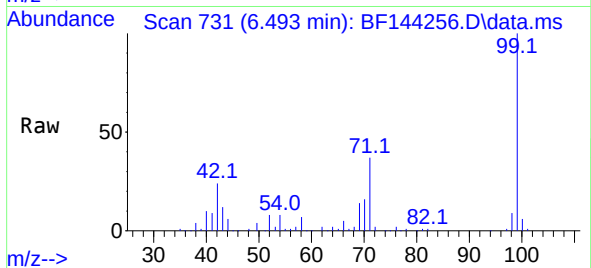
Tgt Ion:112 Resp: 133172
Ion Ratio Lower Upper
112 100
64 57.6 47.2 70.8
63 29.2 24.4 36.6





#7
Phenol-d6
Concen: 40.381 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

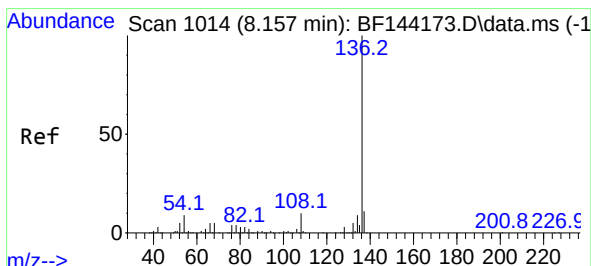
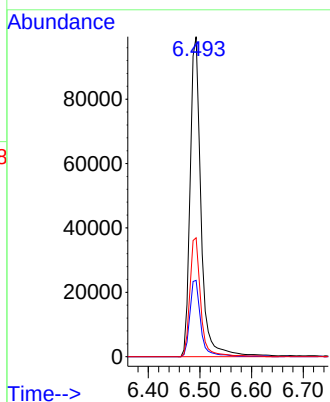
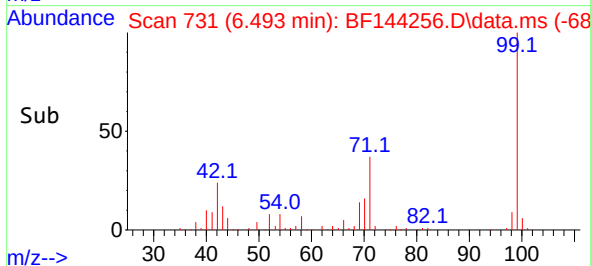
Instrument :
BNA_F
ClientSampleId :
OK-02-11122025



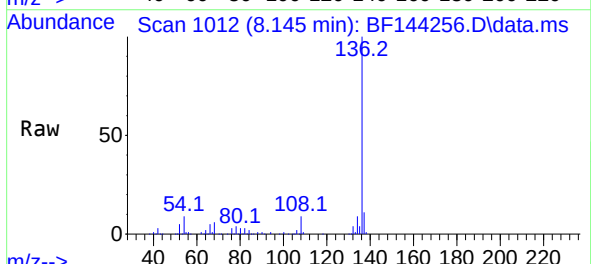
Tgt Ion: 99 Resp: 14630
Ion Ratio Lower Upper
99 100
42 23.9 20.9 31.3
71 37.1 31.4 47.2

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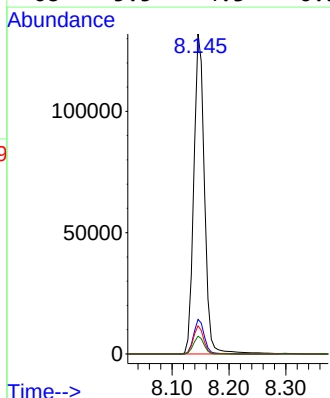
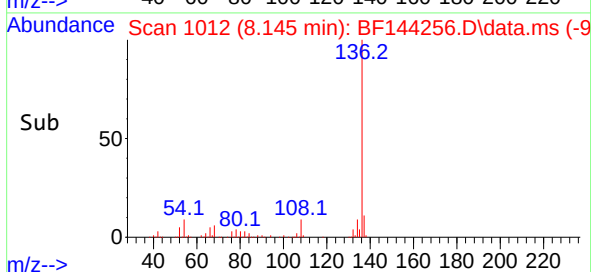
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

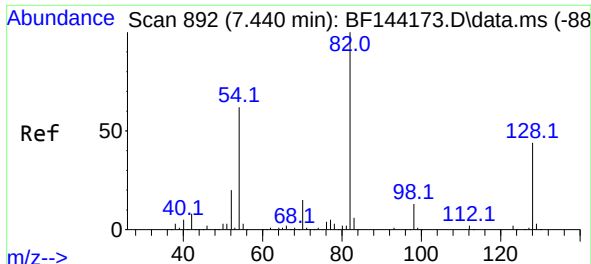


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46



Tgt Ion:136 Resp: 172762
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.8 7.0 10.6
68 5.5 4.3 6.5





#23
Nitrobenzene-d5
Concen: 29.737 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

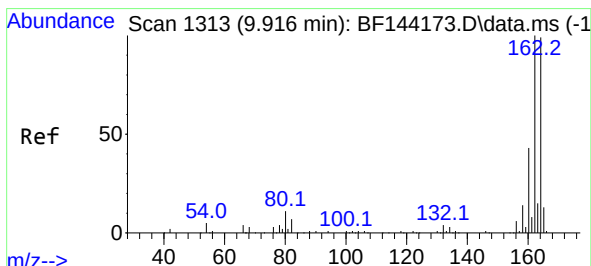
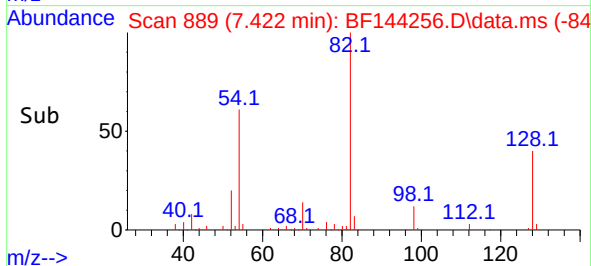
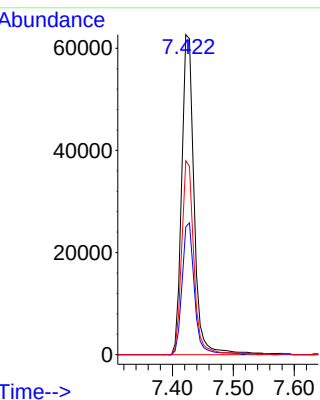
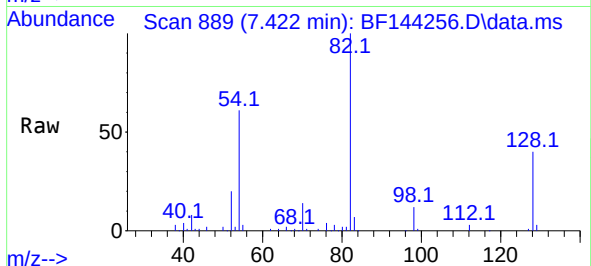
OK-02-11122025

Tgt Ion: 82 Resp: 8895
Ion Ratio Lower Upper
82 100
128 39.9 34.7 52.1
54 60.6 49.5 74.3

Manual Integrations

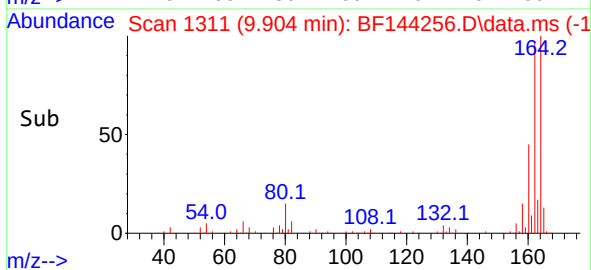
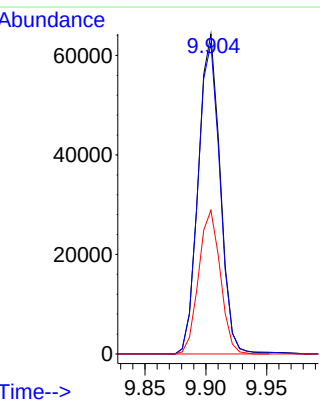
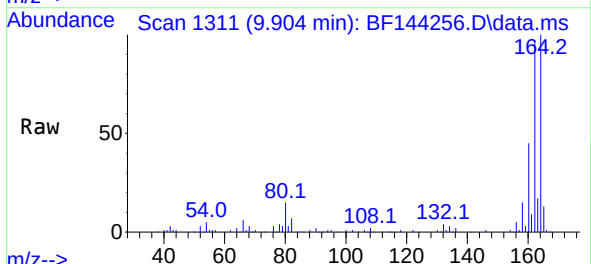
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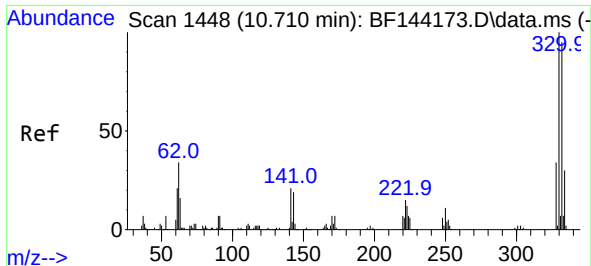
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:164 Resp: 80153
Ion Ratio Lower Upper
164 100
162 97.1 81.1 121.7
160 44.9 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 30.354 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

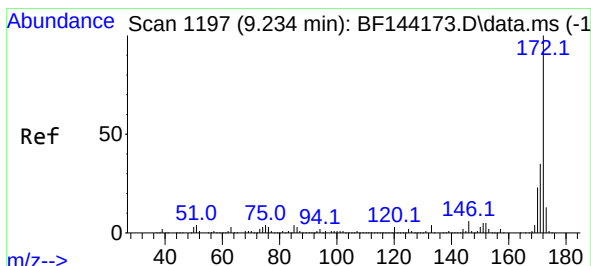
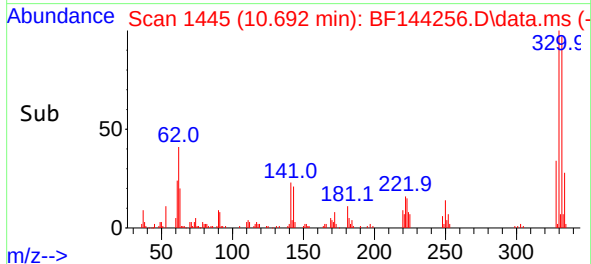
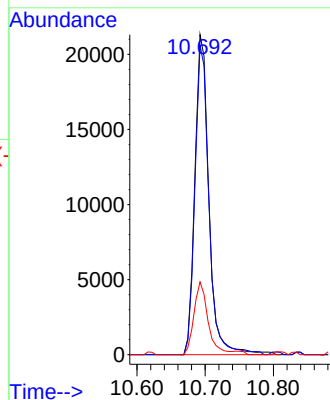
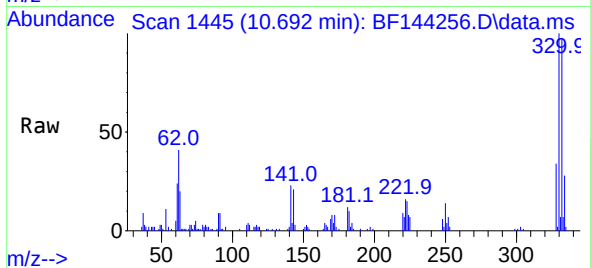
OK-02-11122025

Tgt Ion:330 Resp: 3053
Ion Ratio Lower Upper
330 100
332 95.9 76.7 115.1
141 22.8 17.8 26.8

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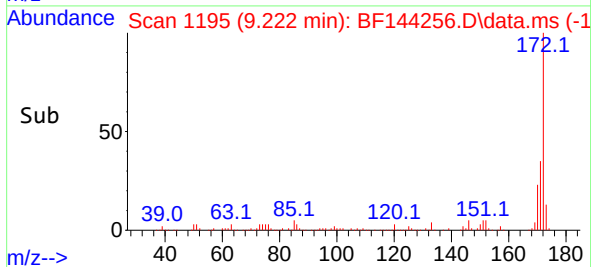
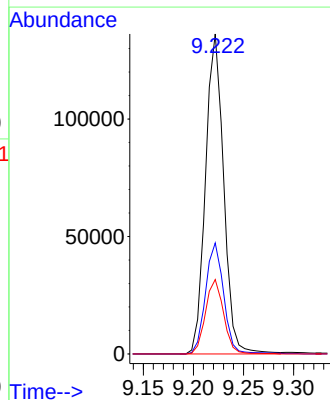
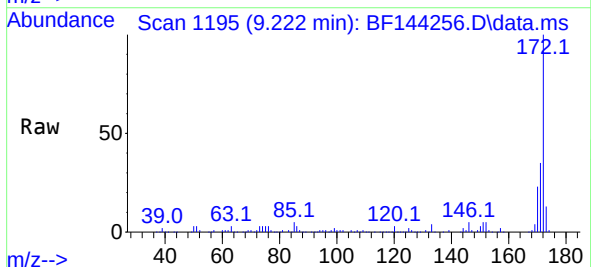
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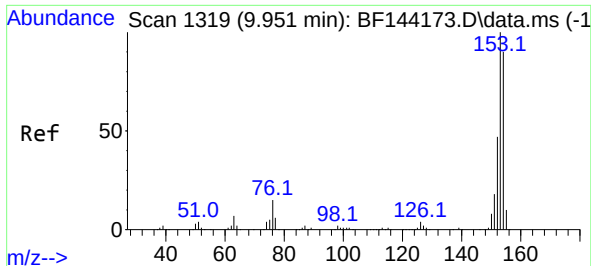
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#45
2-Fluorobiphenyl
Concen: 31.652 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:172 Resp: 171777
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.2 18.6 28.0





#52

Acenaphthene

Concen: 2.439 ng

RT: 9.934 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144256.D

Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

OK-02-11122025

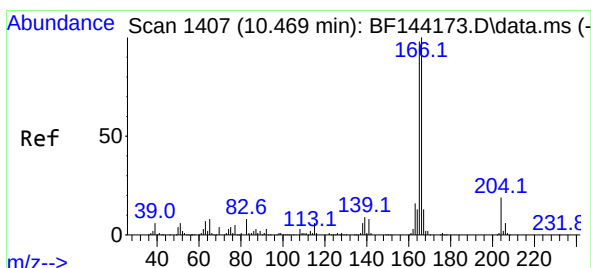
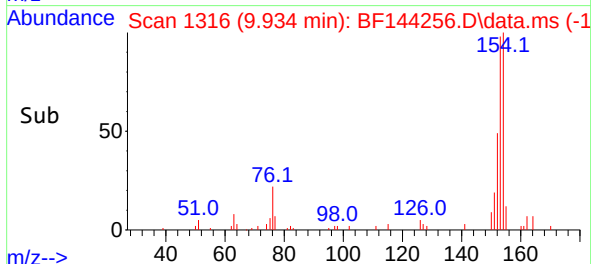
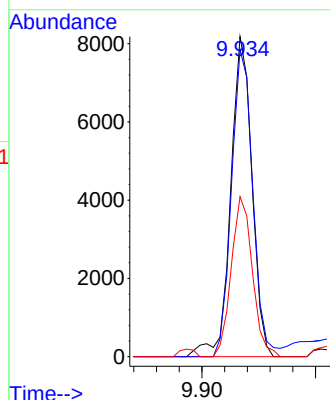
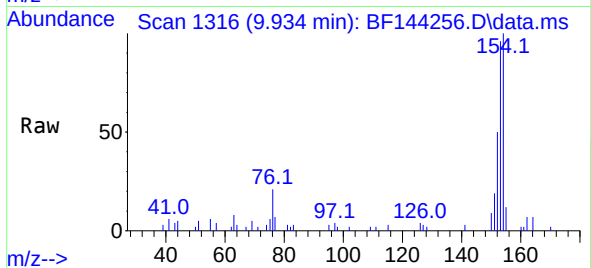
Tgt Ion:154 Resp: 10600

Ion	Ratio	Lower	Upper
154	100		
153	96.0	89.0	133.4
152	50.0	42.2	63.4

Manual Integrations

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



#58

Fluorene

Concen: 3.373 ng

RT: 10.451 min Scan# 1404

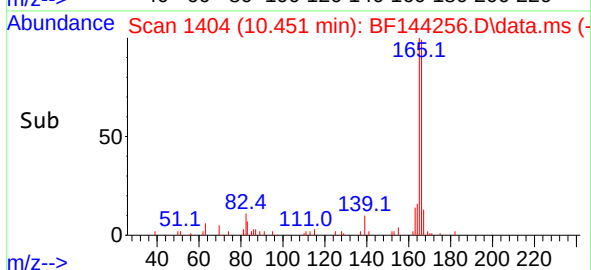
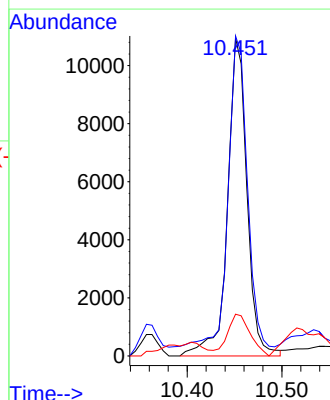
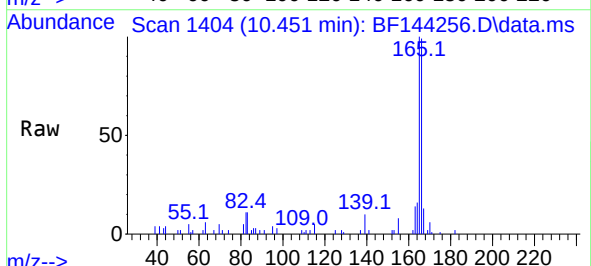
Delta R.T. -0.012 min

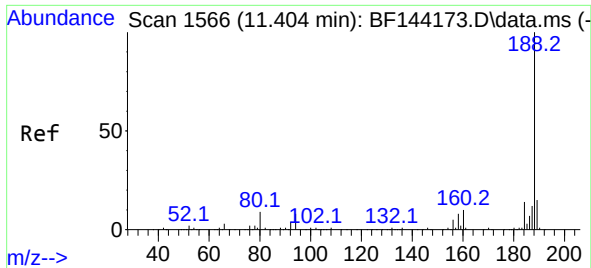
Lab File: BF144256.D

Acq: 14 Nov 2025 11:46

Tgt Ion:166 Resp: 15623

Ion	Ratio	Lower	Upper
166	100		
165	100.6	78.6	118.0
167	13.2	10.4	15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11673
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

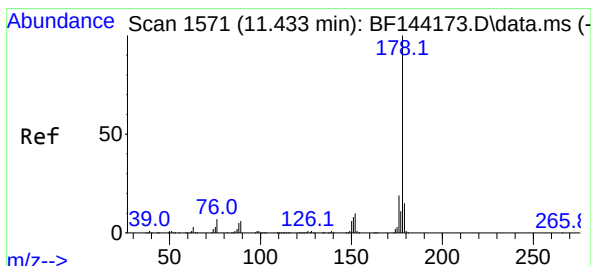
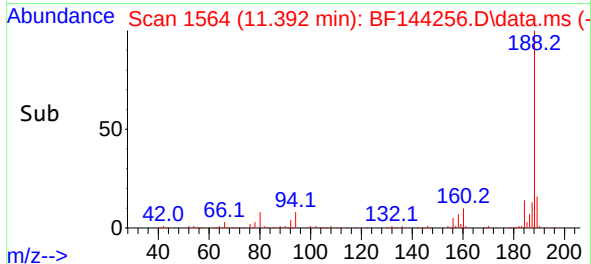
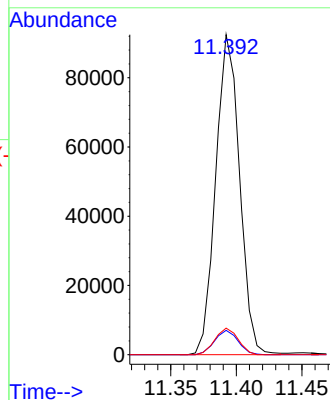
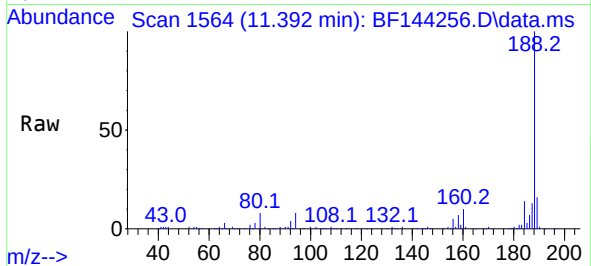
ClientSampleId :

OK-02-11122025

Tgt Ion:188 Resp: 11673
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 8.3 6.9 10.3

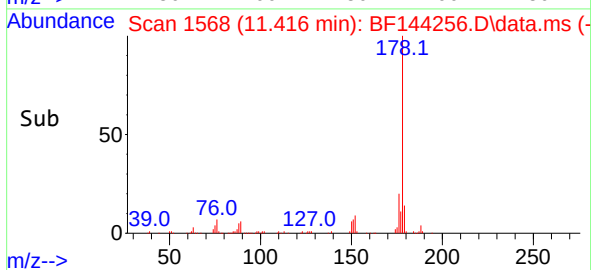
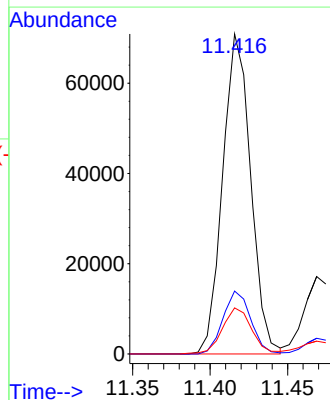
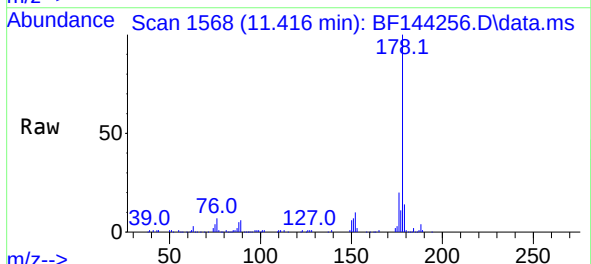
Manual Integrations
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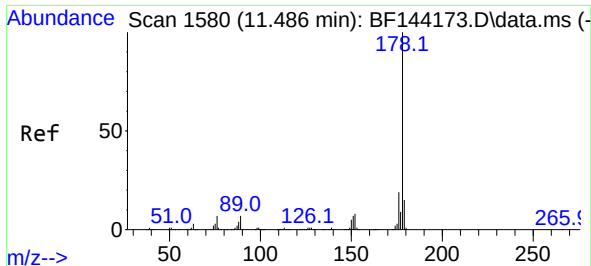
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#71
Phenanthrene
Concen: 15.335 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:178 Resp: 89128
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 14.4 12.2 18.4





#72
 Anthracene
 Concen: 4.031 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144256.D
 Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

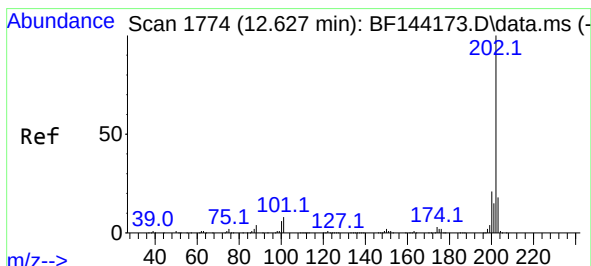
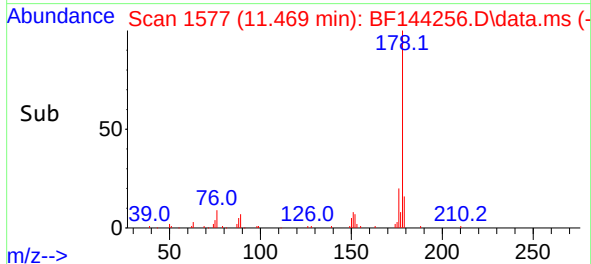
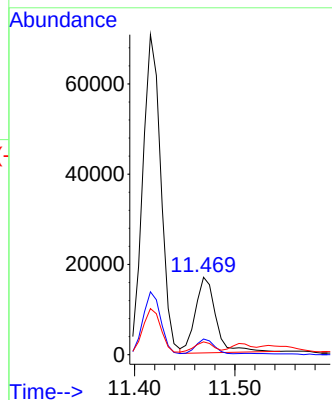
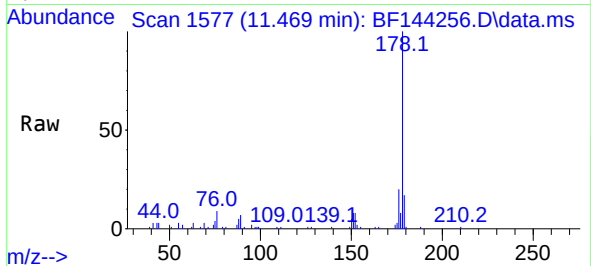
OK-02-11122025

Tgt Ion:178 Resp: 23820
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.3 22.9
 179 16.6 12.0 18.0

Manual Integrations

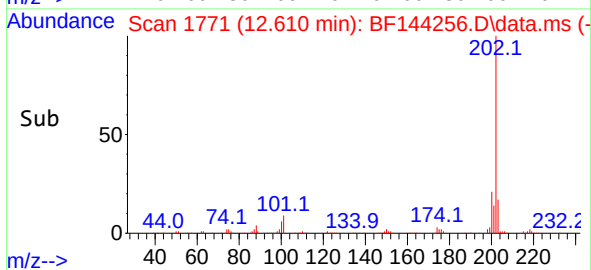
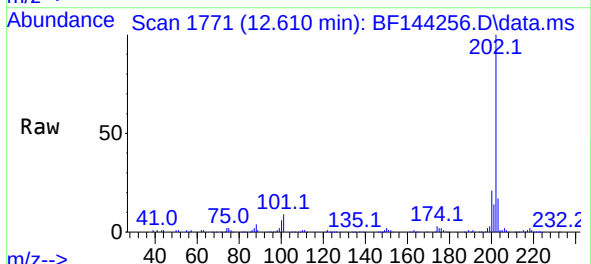
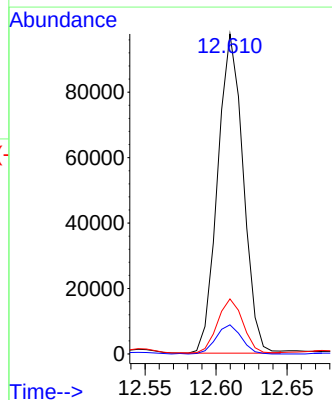
APPROVED

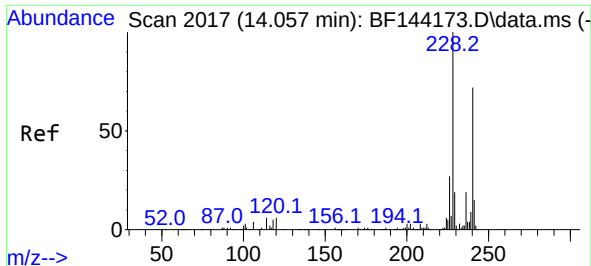
Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025



#75
 Fluoranthene
 Concen: 20.312 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144256.D
 Acq: 14 Nov 2025 11:46

Tgt Ion:202 Resp: 121948
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 27.9
 203 17.2 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

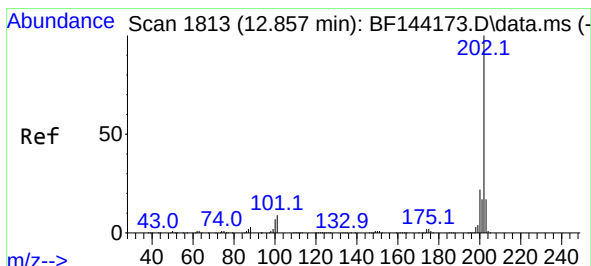
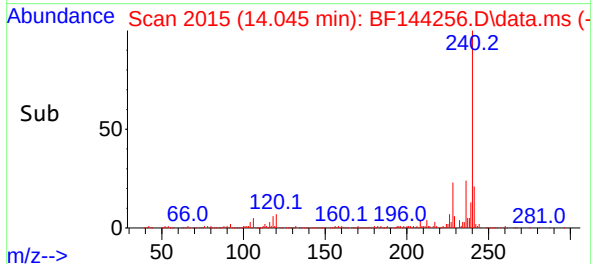
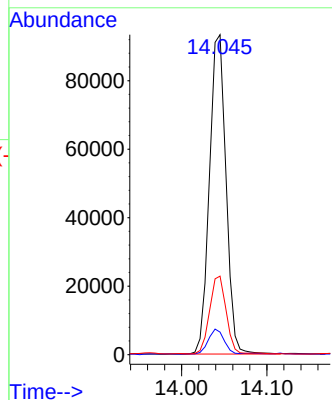
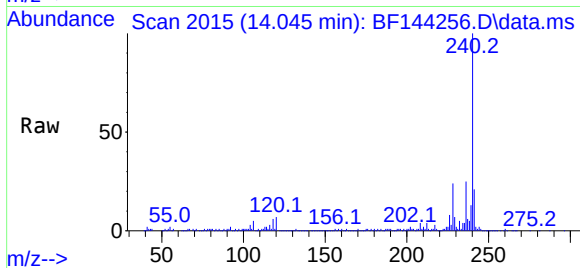
OK-02-11122025

Tgt Ion:240 Resp: 126192
Ion Ratio Lower Upper
240 100
120 7.1 6.6 10.0
236 24.6 21.4 32.2

Manual Integrations

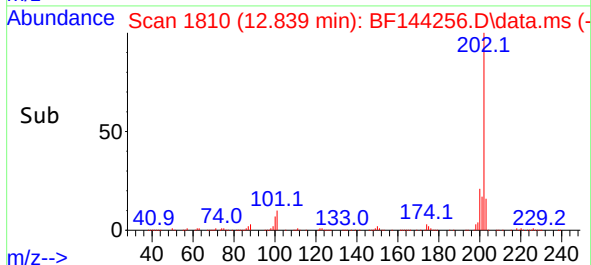
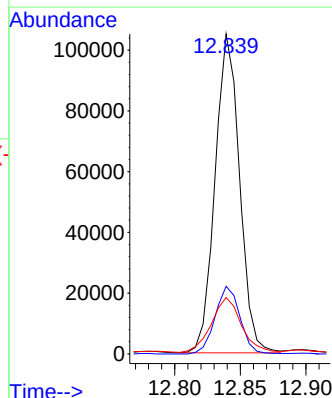
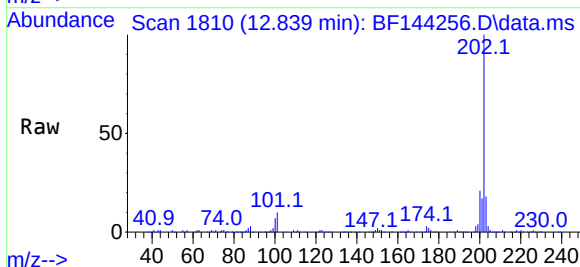
APPROVED

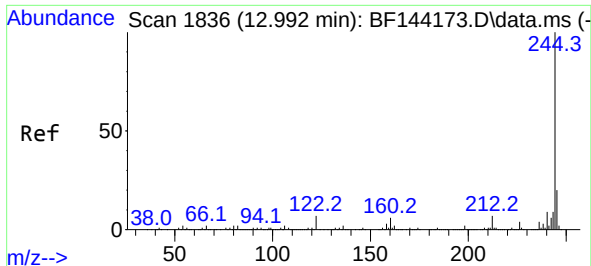
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#78
Pyrene
Concen: 13.410 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:202 Resp: 136442
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 17.7 13.7 20.5





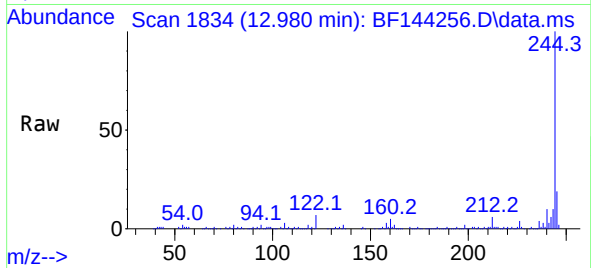
#79
 Terphenyl-d14
 Concen: 19.002 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144256.D
 Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

OK-02-11122025

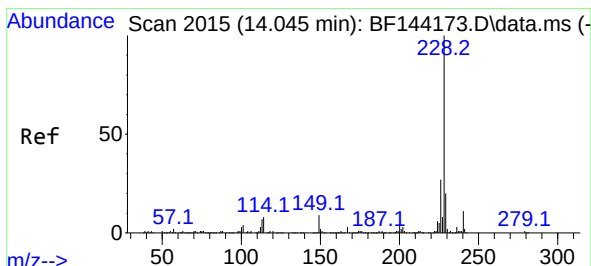
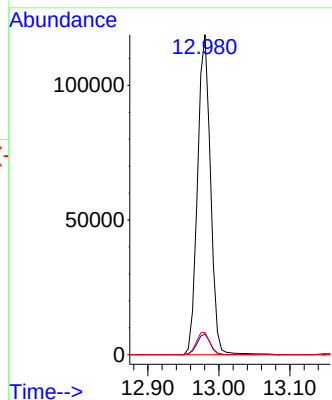
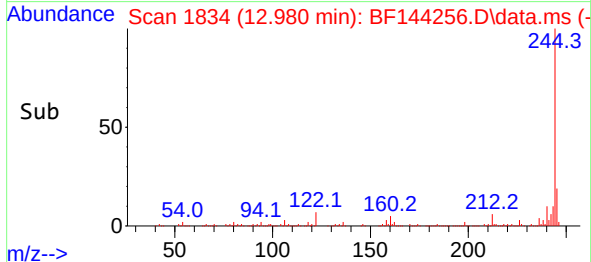


Tgt Ion:244 Resp: 150964
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 6.9 5.6 8.4

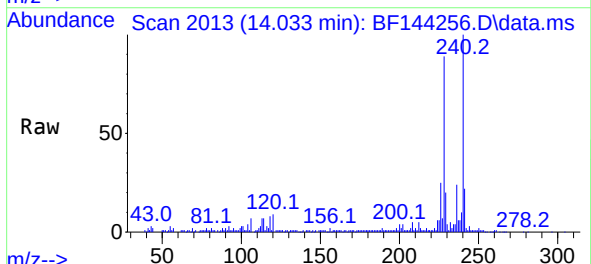
Manual Integrations

APPROVED

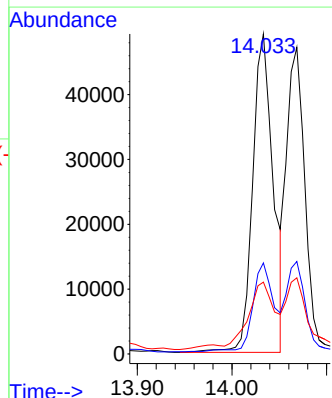
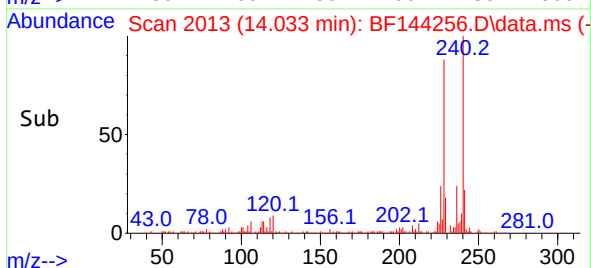
Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025

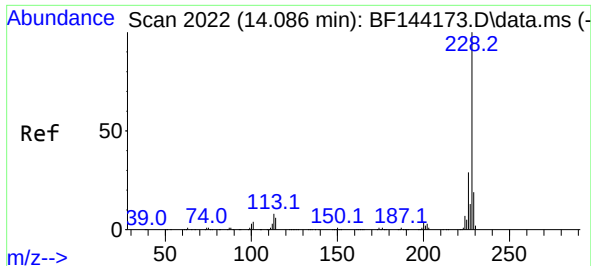


#81
 Benzo(a)anthracene
 Concen: 8.494 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144256.D
 Acq: 14 Nov 2025 11:46



Tgt Ion:228 Resp: 74288
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.8 32.8
 229 22.5 15.8 23.6





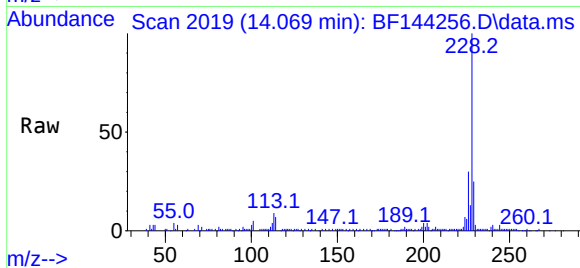
#83
Chrysene
Concen: 7.905 ng m
RT: 14.069 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

OK-02-11122025

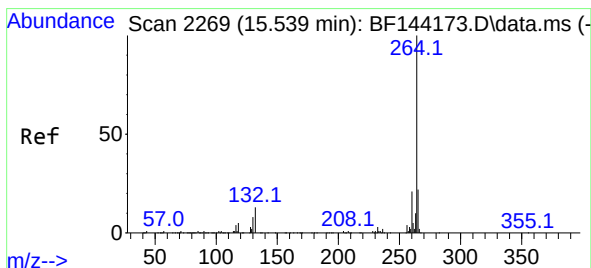
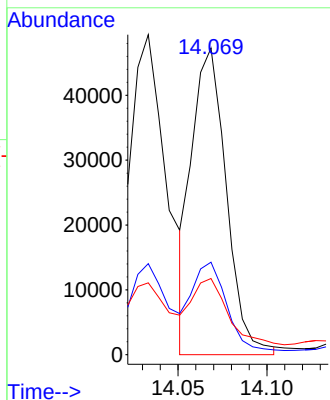
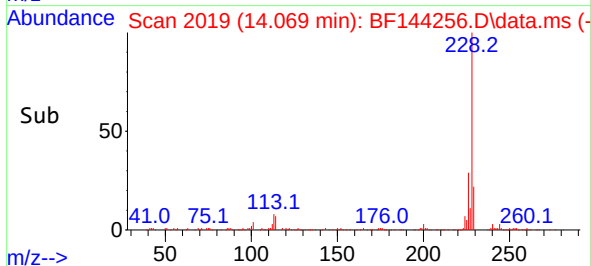


Tgt Ion:228 Resp: 6382
Ion Ratio Lower Upper
228 100
226 30.2 22.9 34.3
229 24.8 15.0 22.6

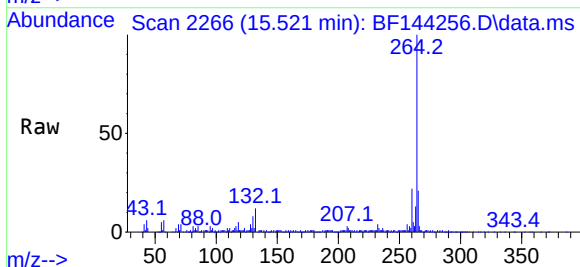
Manual Integrations

APPROVED

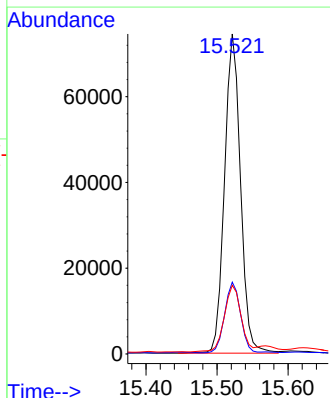
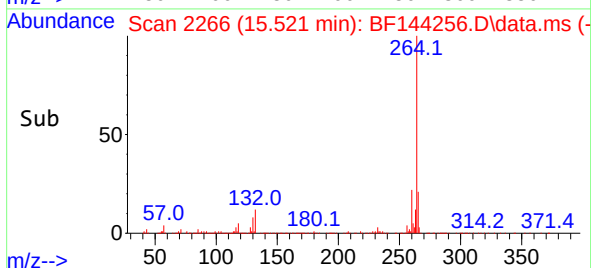
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

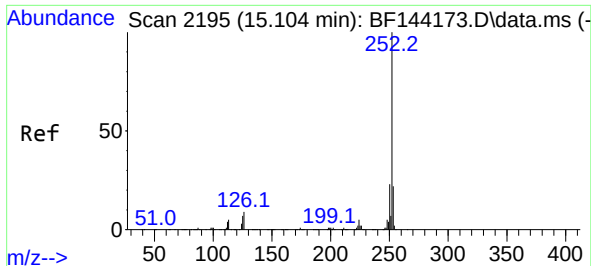


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46



Tgt Ion:264 Resp: 116334
Ion Ratio Lower Upper
264 100
260 22.5 17.1 25.7
265 21.5 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 7.968 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

ClientSampleId :

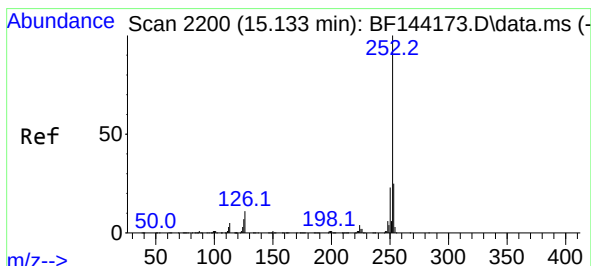
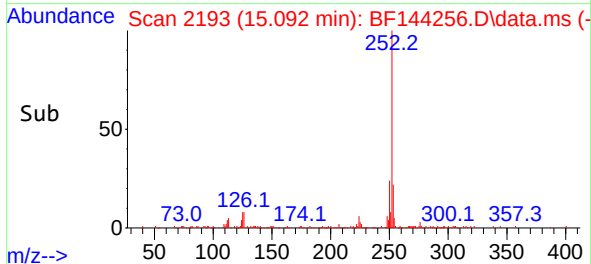
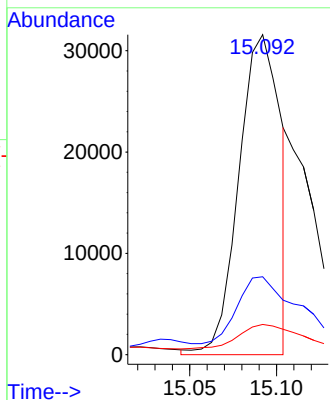
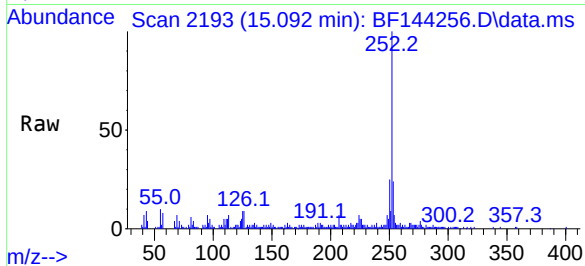
OK-02-11122025

Tgt Ion:252 Resp: 5270
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 9.4 5.3 7.9

Manual Integrations

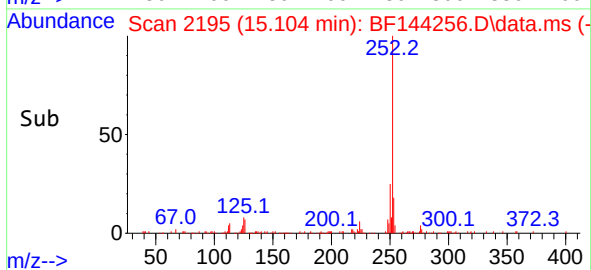
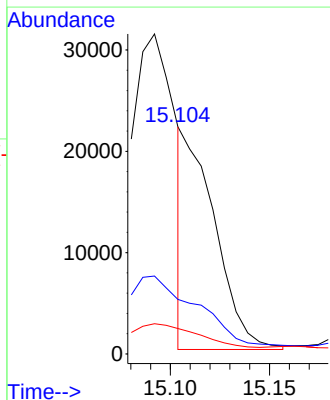
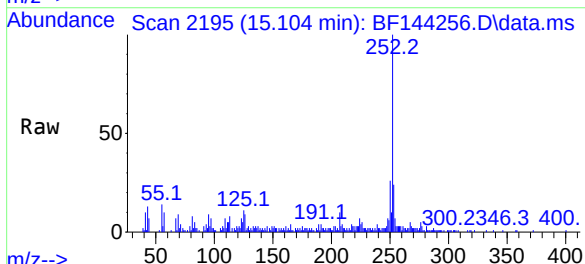
APPROVED

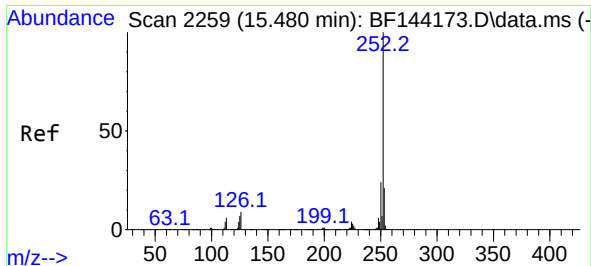
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#89
Benzo(k)fluoranthene
Concen: 3.798 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:252 Resp: 23514
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 11.2 5.4 8.2





#90
Benzo(a)pyrene
Concen: 7.206 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Instrument :

BNA_F

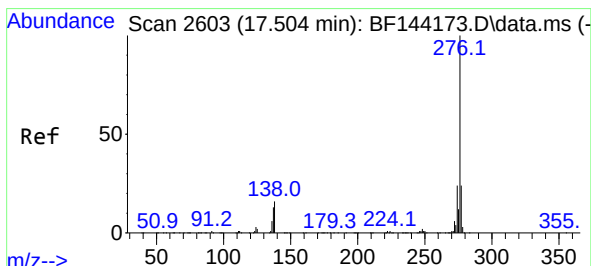
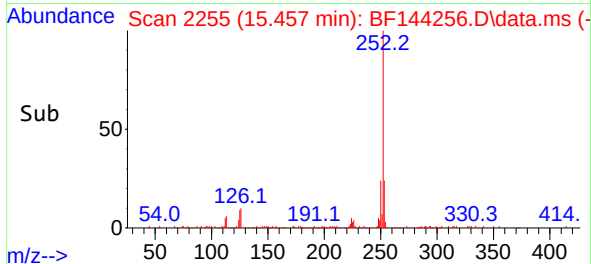
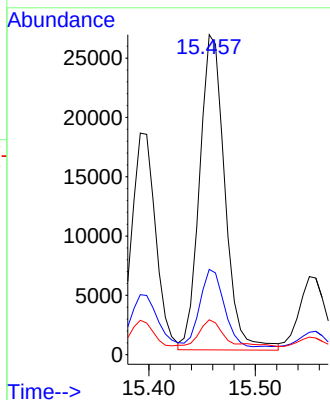
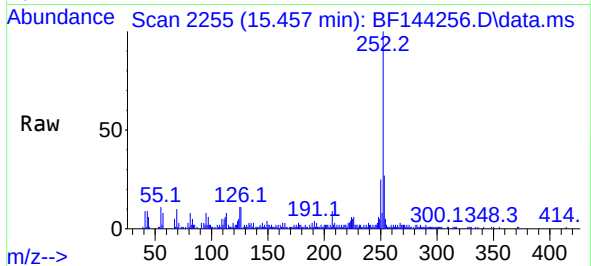
ClientSampleId :

OK-02-11122025

Tgt Ion:252 Resp: 4396
Ion Ratio Lower Upper
252 100
253 26.6 16.7 25.1
125 10.9 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: 2.861 ng
RT: 17.468 min Scan# 2597
Delta R.T. -0.024 min
Lab File: BF144256.D
Acq: 14 Nov 2025 11:46

Tgt Ion:276 Resp: 18949
Ion Ratio Lower Upper
276 100
277 21.8 19.0 28.4
138 18.8 12.9 19.3

