

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144380.D
 Acq On : 27 Nov 2025 00:44
 Operator : RC/JU
 Sample : Q3723-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CC-1-112525

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 27 01:33:12 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	63190	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	213020	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	105373	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	201351	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	172261	20.000	ng	0.00
86) Perylene-d12	15.527	264	136084	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	57399	14.215	ng	0.00
7) Phenol-d6	6.498	99	58837	12.859	ng	0.00
23) Nitrobenzene-d5	7.422	82	31980	8.671	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	16381	12.388	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	72401	10.148	ng	-0.01
79) Terphenyl-d14	12.980	244	96360	8.885	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	29710	2.964	ng	99
75) Fluoranthene	12.610	202	53593	5.175	ng	96
78) Pyrene	12.839	202	73969	5.326	ng	96
81) Benzo(a)anthracene	14.033	228	33854	2.836	ng	94
83) Chrysene	14.069	228	29429	2.670	ng	# 89
88) Benzo(b)fluoranthene	15.098	252	22055m	2.851	ng	
90) Benzo(a)pyrene	15.463	252	17781	2.491	ng	# 83

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

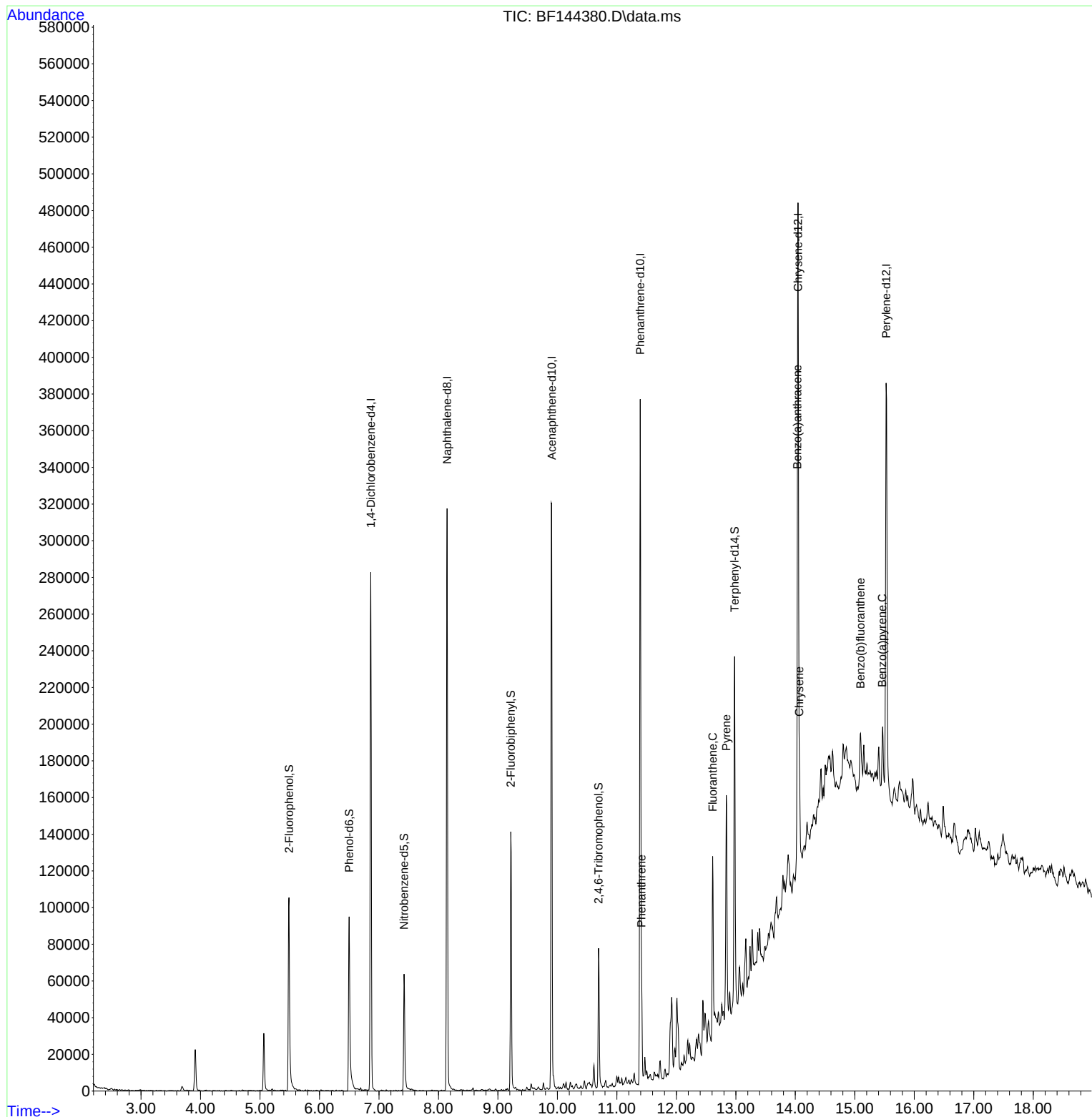
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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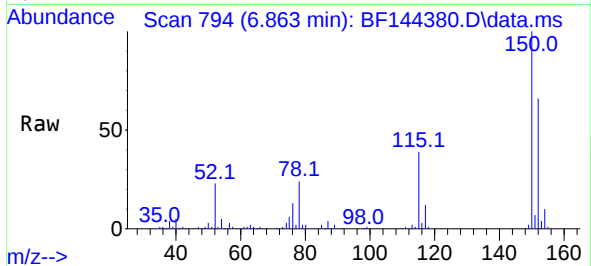
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

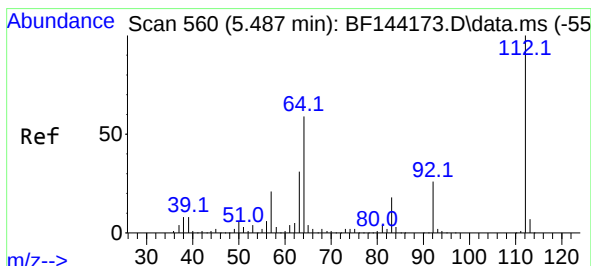
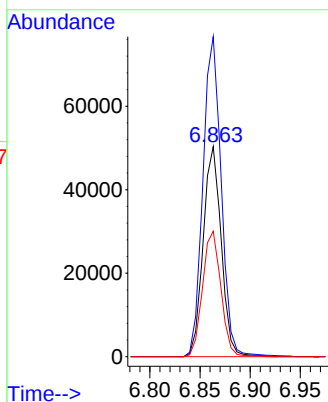
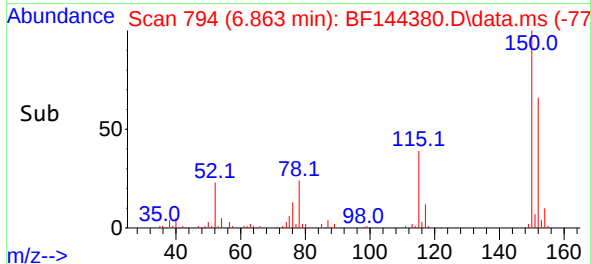
Instrument :
BNA_F
ClientSampleId :
CC-1-112525



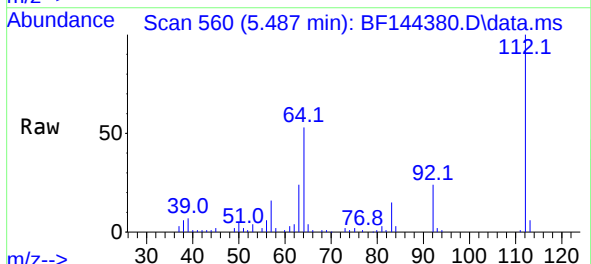
Tgt Ion:152 Resp: 63190
Ion Ratio Lower Upper
152 100
150 152.3 127.4 191.0
115 59.7 49.5 74.3

Manual Integrations
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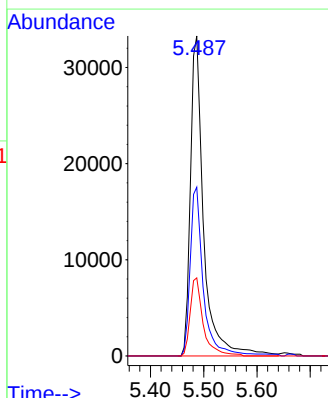
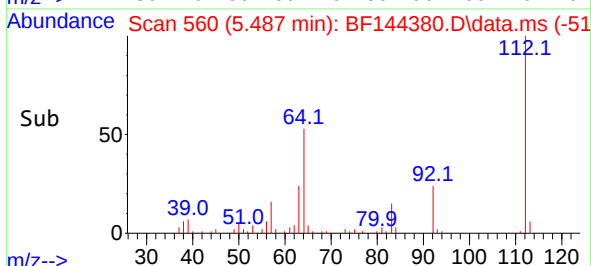
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#5
2-Fluorophenol
Concen: 14.215 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44



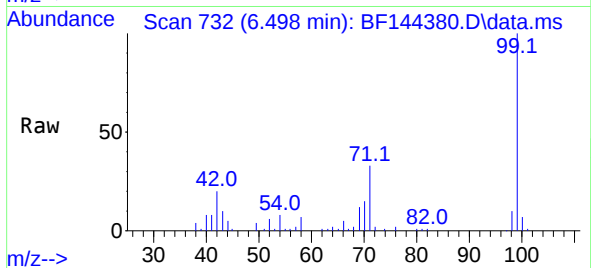
Tgt Ion:112 Resp: 57399
Ion Ratio Lower Upper
112 100
64 52.8 47.2 70.8
63 24.4 24.4 36.6





#7
Phenol-d6
Concen: 12.859 ng
RT: 6.498 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

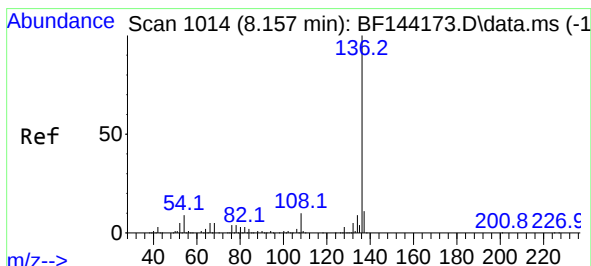
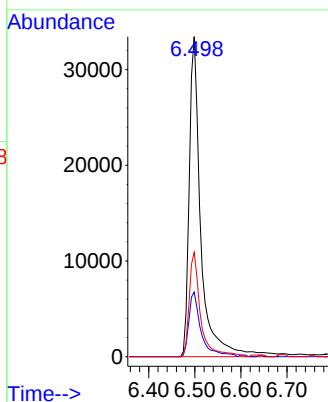
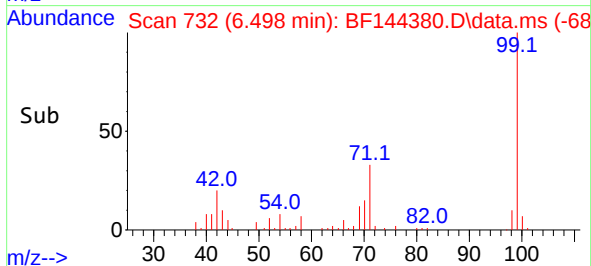
Instrument :
BNA_F
ClientSampleId :
CC-1-112525



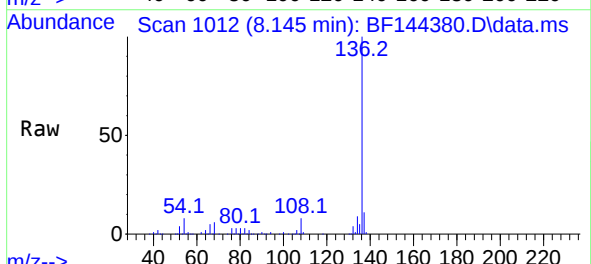
Tgt Ion: 99 Resp: 5883
Ion Ratio Lower Upper
99 100
42 20.2 20.9 31.3
71 32.6 31.4 47.2

Manual Integrations
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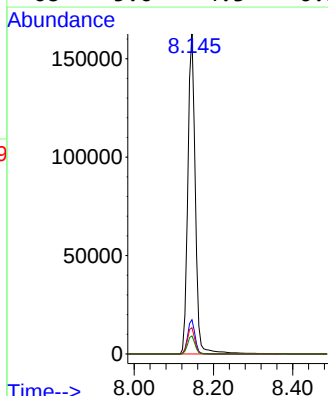
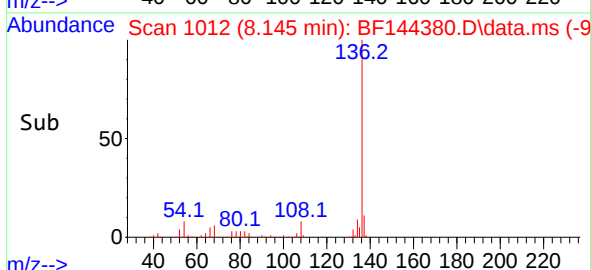
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

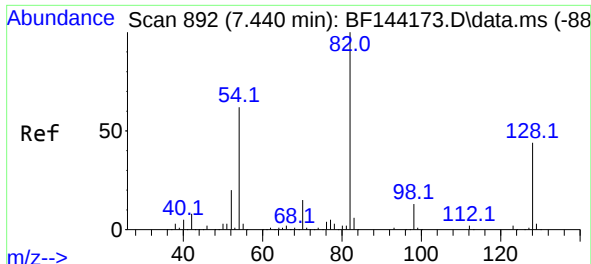


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44



Tgt Ion:136 Resp: 213020
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 7.0 10.6
68 5.6 4.3 6.5





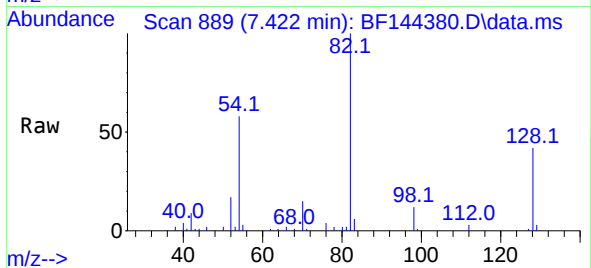
#23
Nitrobenzene-d5
Concen: 8.671 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

CC-1-112525

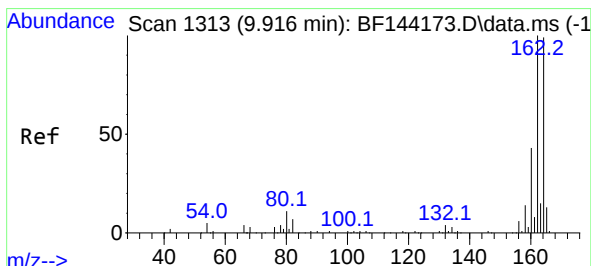
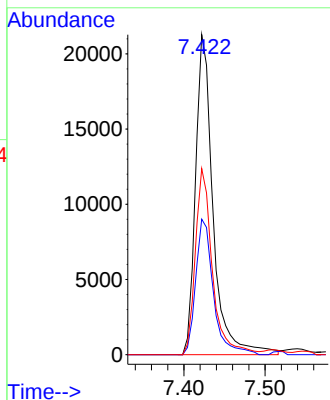
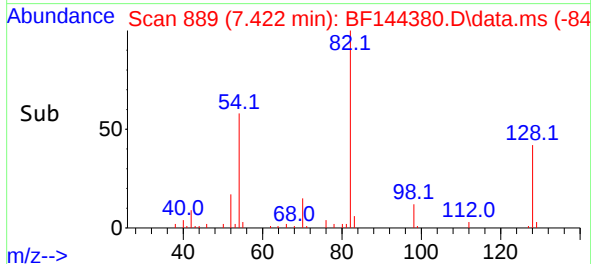


Tgt Ion: 82 Resp: 31980
Ion Ratio Lower Upper
82 100
128 42.3 34.7 52.1
54 58.1 49.5 74.3

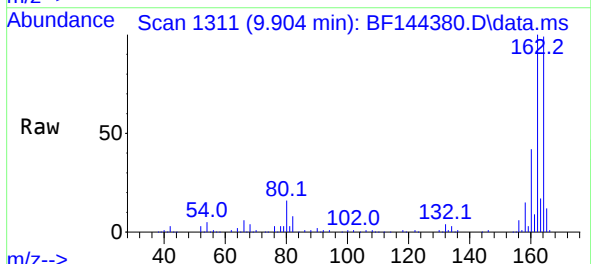
Manual Integrations

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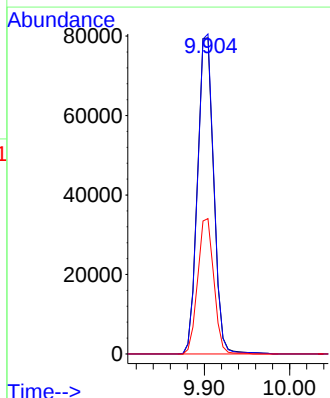
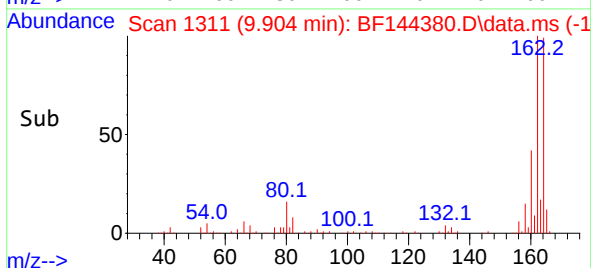
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

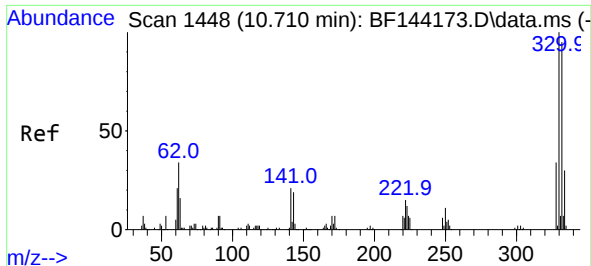


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44



Tgt Ion:164 Resp: 105373
Ion Ratio Lower Upper
164 100
162 101.2 81.1 121.7
160 42.8 34.5 51.7





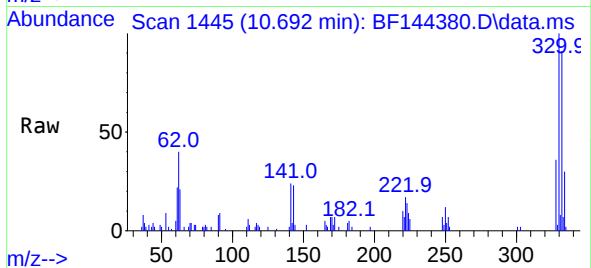
#42
2,4,6-Tribromophenol
Concen: 12.388 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

CC-1-112525

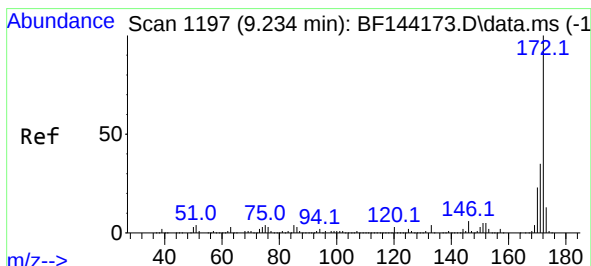
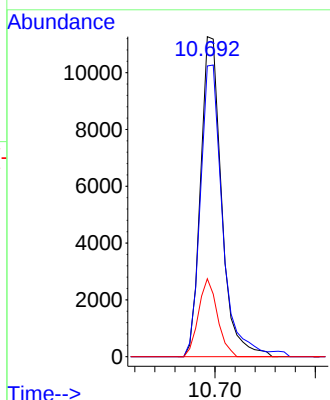
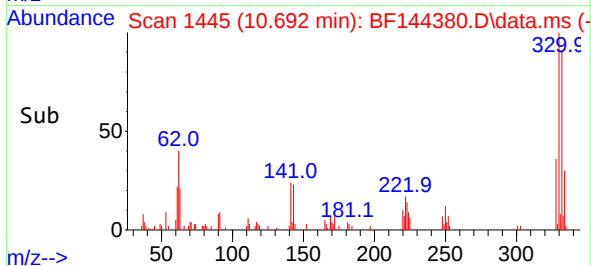


Tgt Ion:330 Resp: 1638
Ion Ratio Lower Upper
330 100
332 96.5 76.7 115.1
141 22.0 17.8 26.8

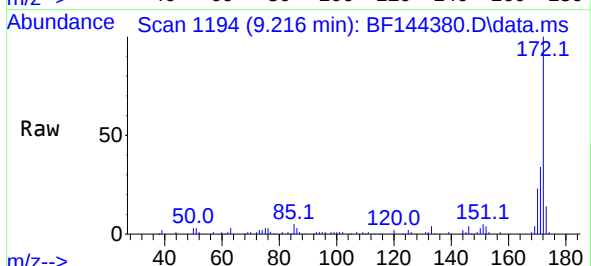
Manual Integrations

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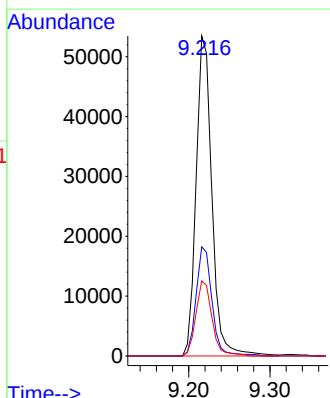
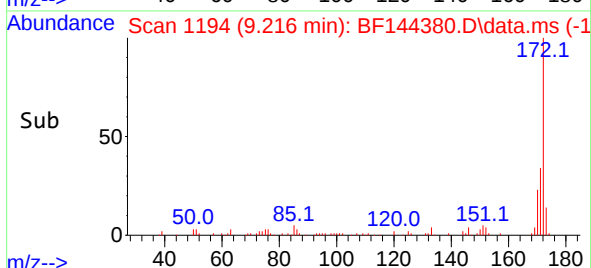
Reviewed By :Jagrut Upadhyay 12/02/2025
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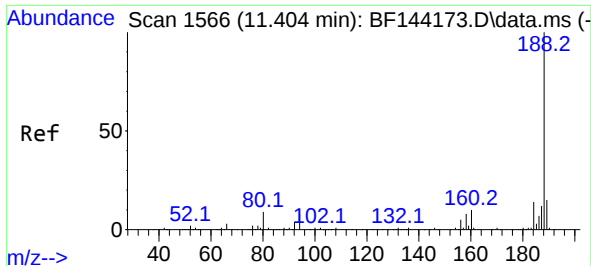


#45
2-Fluorobiphenyl
Concen: 10.148 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44



Tgt Ion:172 Resp: 72401
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 23.4 18.6 28.0





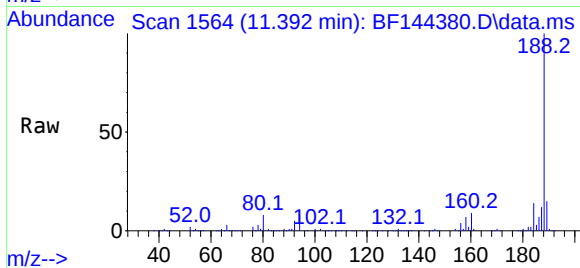
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

CC-1-112525

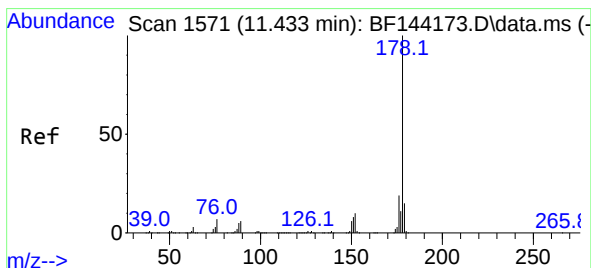
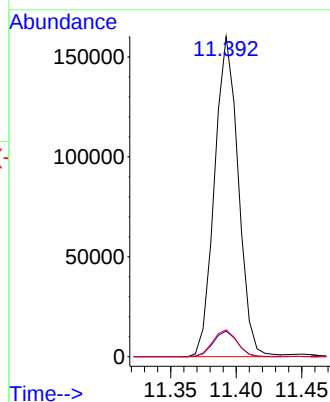
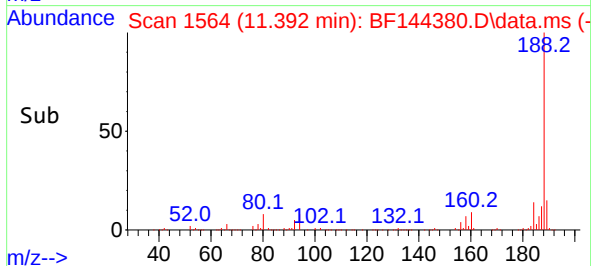


Tgt Ion:188 Resp: 20135
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.4 6.9 10.3

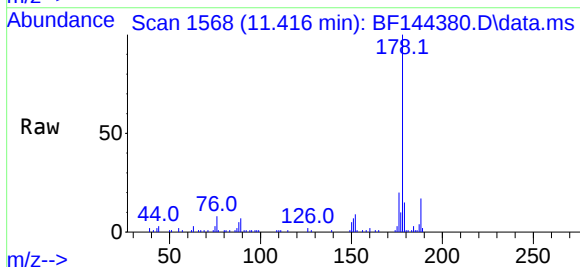
Manual Integrations

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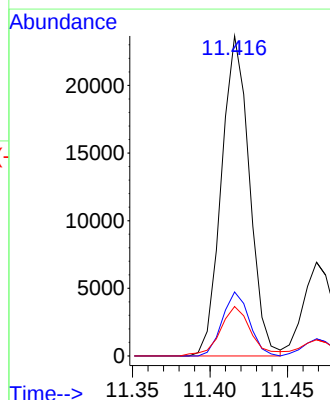
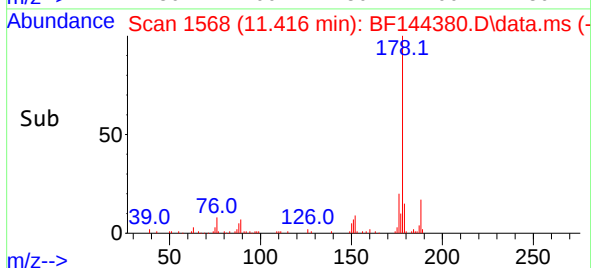
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

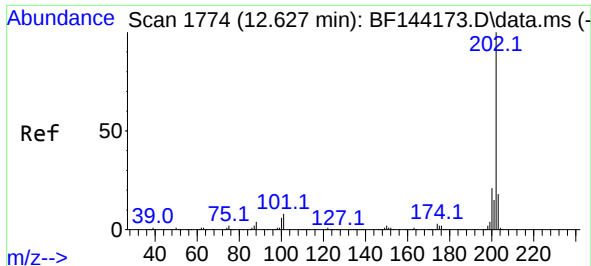


#71
Phenanthrene
Concen: 2.964 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44



Tgt Ion:178 Resp: 29710
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 15.5 12.2 18.4





#75
Fluoranthene
Concen: 5.175 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

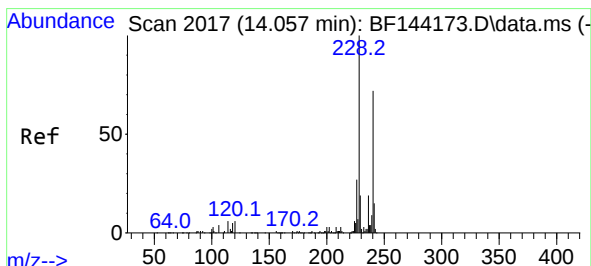
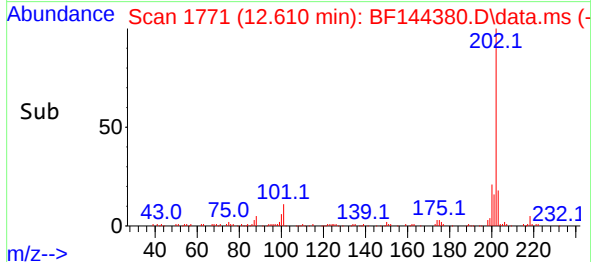
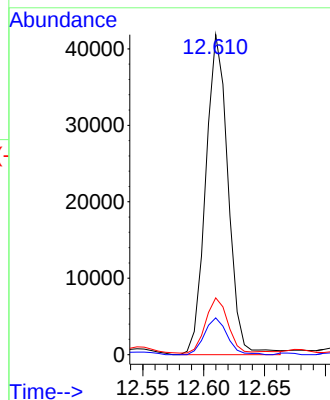
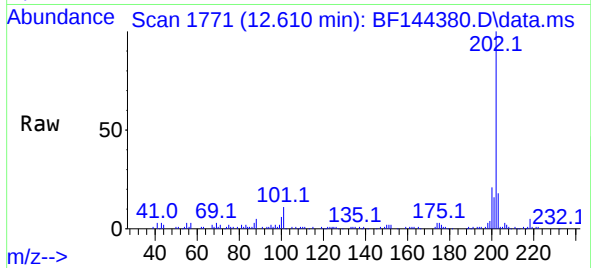
CC-1-112525

Tgt Ion:202 Resp: 5359
Ion Ratio Lower Upper
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101 11.5 0.0 27.9
203 17.8 0.0 37.5

Manual Integrations

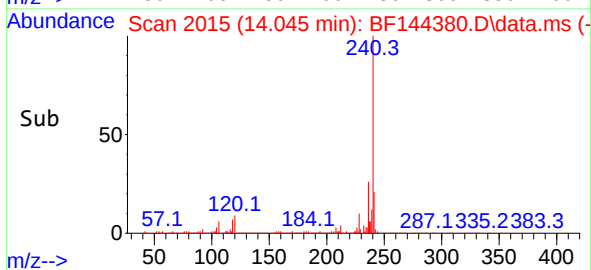
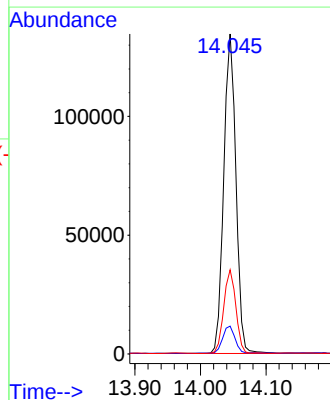
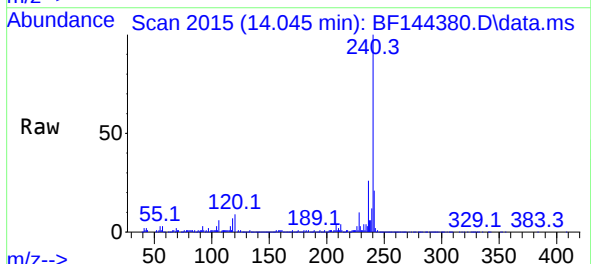
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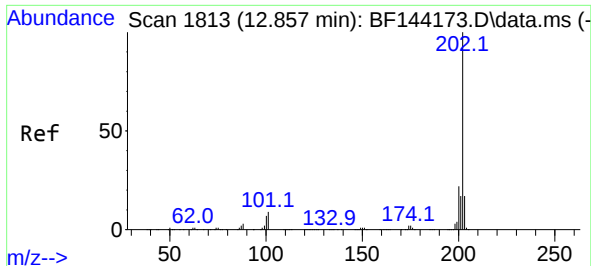
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Tgt Ion:240 Resp: 172261
Ion Ratio Lower Upper
240 100
120 8.7 6.6 10.0
236 26.3 21.4 32.2





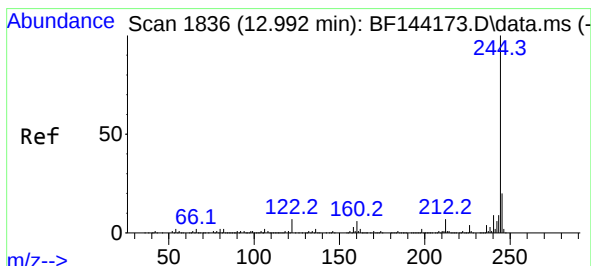
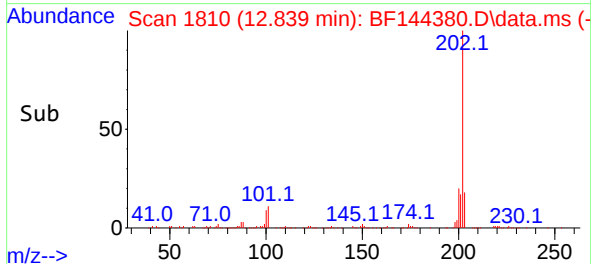
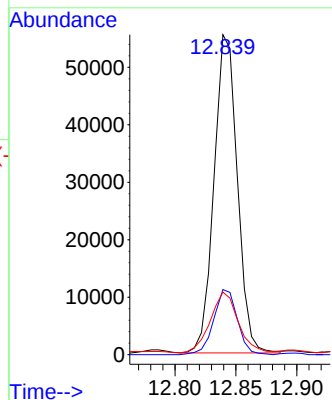
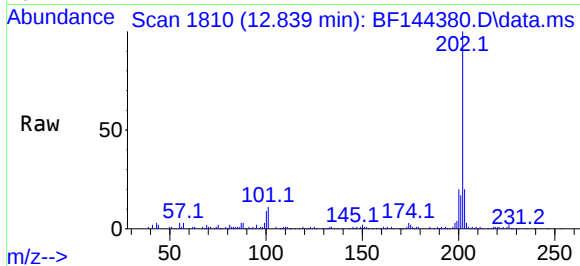
#78
Pyrene
Concen: 5.326 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :
BNA_F
ClientSampleId :
CC-1-112525

Tgt Ion:202 Resp: 73969
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 19.6 13.7 20.5

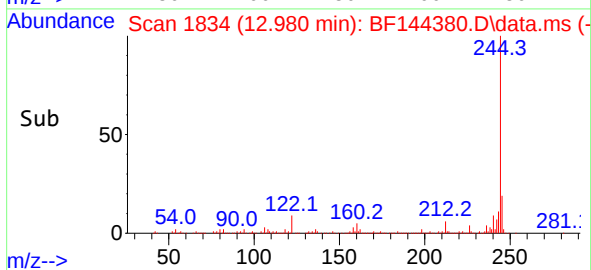
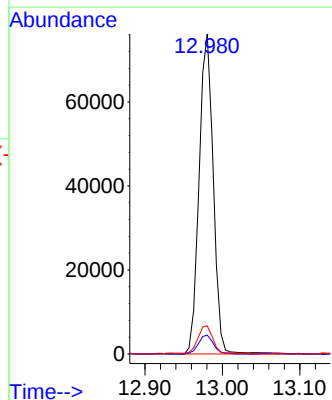
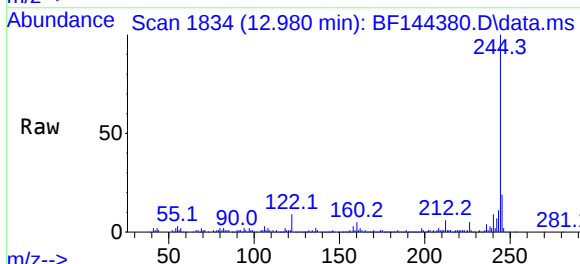
Manual Integrations
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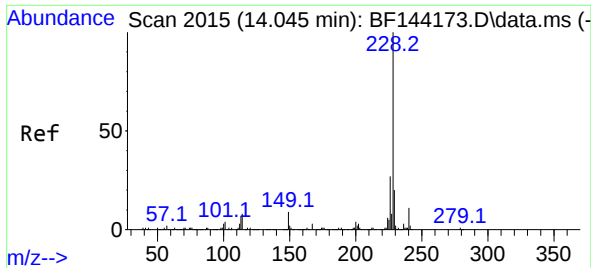
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#79
Terphenyl-d14
Concen: 8.885 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Tgt Ion:244 Resp: 96360
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 8.8 5.6 8.4#





#81
Benzo(a)anthracene
Concen: 2.836 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

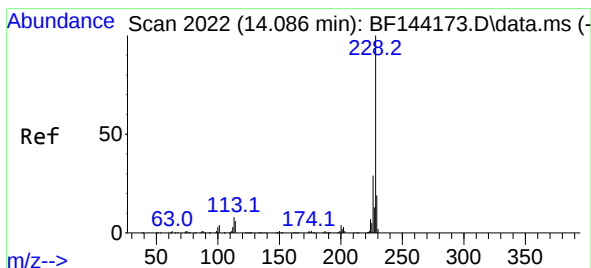
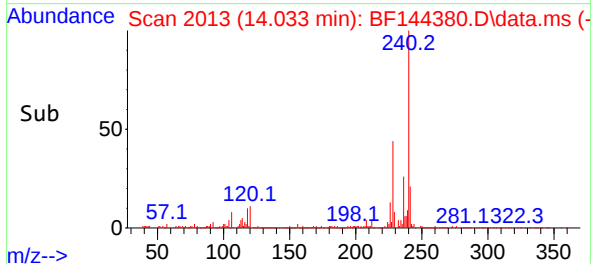
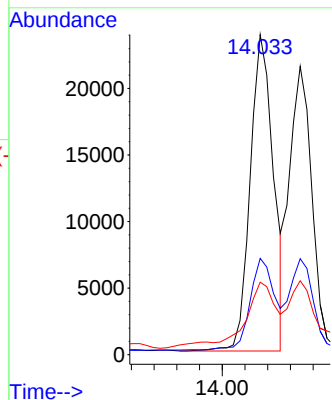
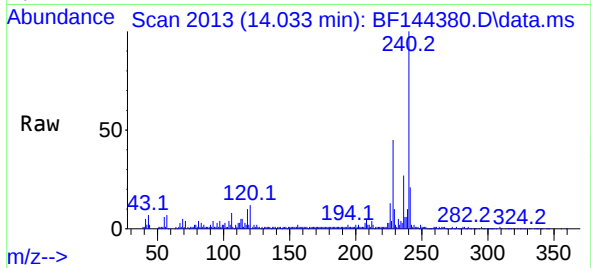
CC-1-112525

Tgt Ion:228 Resp: 33854
Ion Ratio Lower Upper
228 100
226 30.1 21.8 32.8
229 22.6 15.8 23.6

Manual Integrations

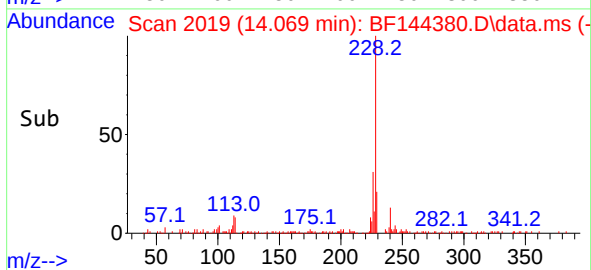
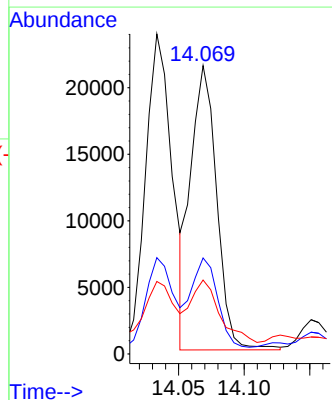
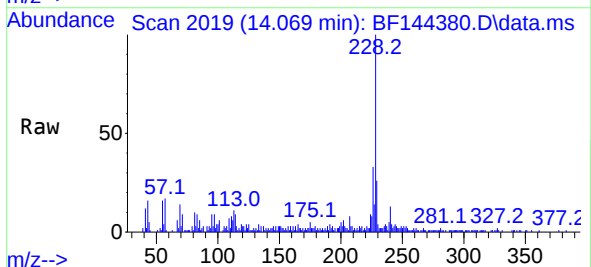
APPROVED

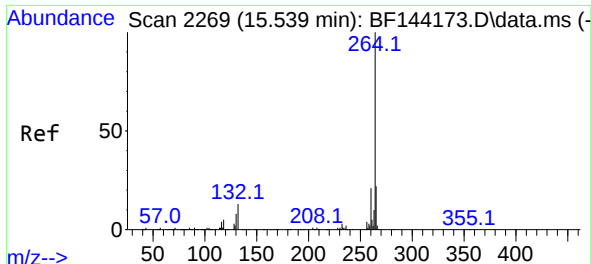
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#83
Chrysene
Concen: 2.670 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Tgt Ion:228 Resp: 29429
Ion Ratio Lower Upper
228 100
226 33.3 22.9 34.3
229 25.6 15.0 22.6#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :

BNA_F

ClientSampleId :

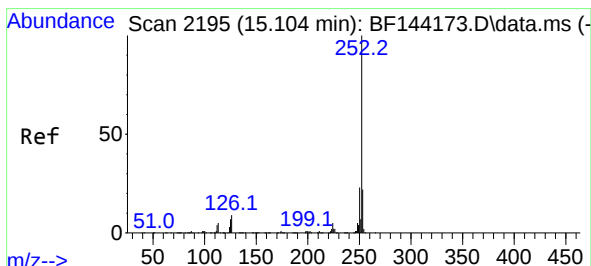
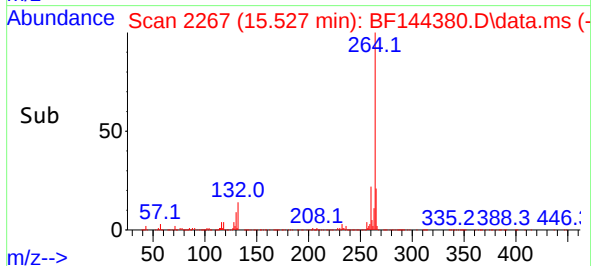
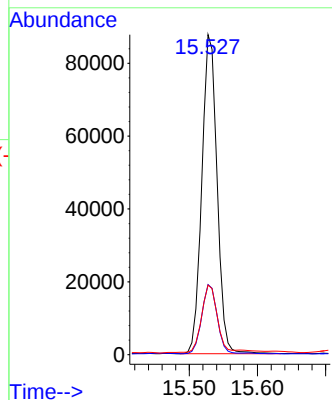
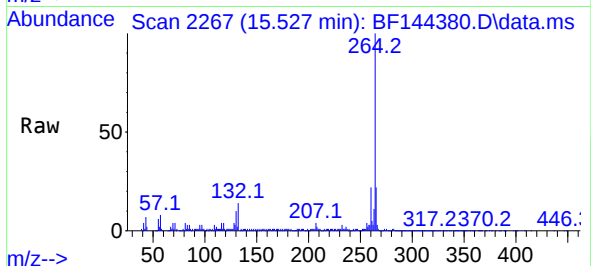
CC-1-112525

Tgt Ion:264 Resp: 136084
Ion Ratio Lower Upper
264 100
260 21.9 17.1 25.7
265 21.8 17.4 26.0

Manual Integrations

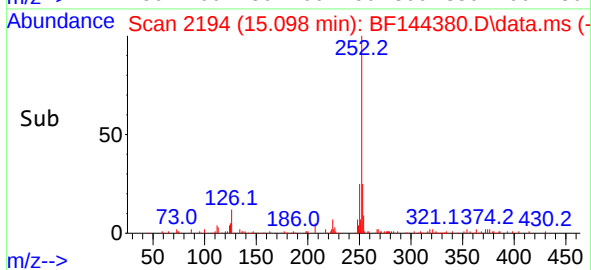
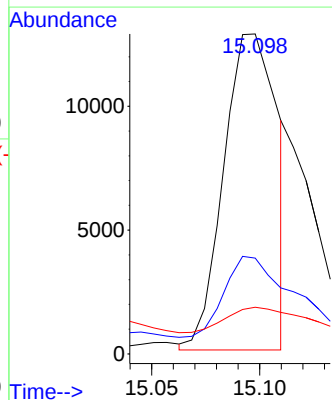
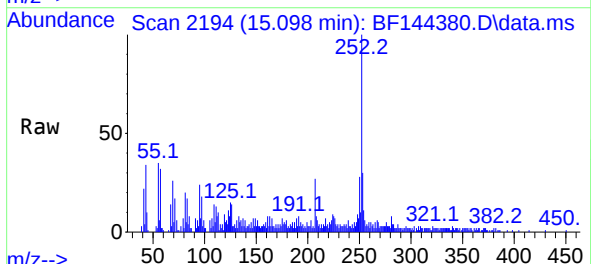
APPROVED

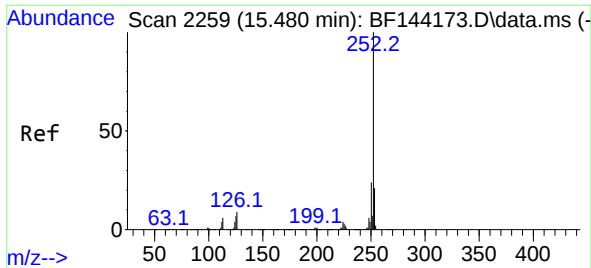
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#88
Benzo(b)fluoranthene
Concen: 2.851 ng m
RT: 15.098 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

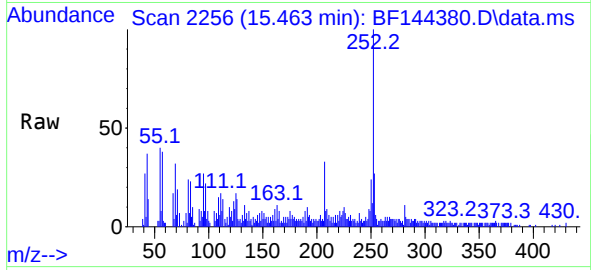
Tgt Ion:252 Resp: 22055
Ion Ratio Lower Upper
252 100
253 29.9 17.4 26.2#
125 14.6 5.3 7.9#





#90
Benzo(a)pyrene
Concen: 2.491 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144380.D
Acq: 27 Nov 2025 00:44

Instrument :
BNA_F
ClientSampleId :
CC-1-112525



Tgt Ion:252 Resp: 1778
Ion Ratio Lower Upper
252 100
253 27.1 16.7 25.1
125 16.6 5.7 8.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

