

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144363.D
 Acq On : 26 Nov 2025 16:11
 Operator : RC/JU
 Sample : Q3719-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-10A

Manual Integrations
 APPROVED

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

Quant Time: Nov 26 16:31:20 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	56003	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	212654	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	113982	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	182608	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	130422	20.000	ng	#-0.01
86) Perylene-d12	15.521	264	170948	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	287848	80.432	ng	0.00
7) Phenol-d6	6.492	99	331956	81.863	ng	0.00
23) Nitrobenzene-d5	7.422	82	208508	56.629	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	103297	72.218	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	402012	52.091	ng	-0.01
79) Terphenyl-d14	12.980	244	330168	40.211	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	38380	4.221	ng	97
75) Fluoranthene	12.610	202	62680	6.674	ng	98
78) Pyrene	12.839	202	56946	5.415	ng	98
81) Benzo(a)anthracene	14.027	228	34873	3.858	ng	95
83) Chrysene	14.068	228	33772	4.047	ng	93
88) Benzo(b)fluoranthene	15.092	252	43043m	4.429	ng	
89) Benzo(k)fluoranthene	15.104	252	18624m	2.047	ng	
90) Benzo(a)pyrene	15.457	252	34099	3.803	ng	# 93

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

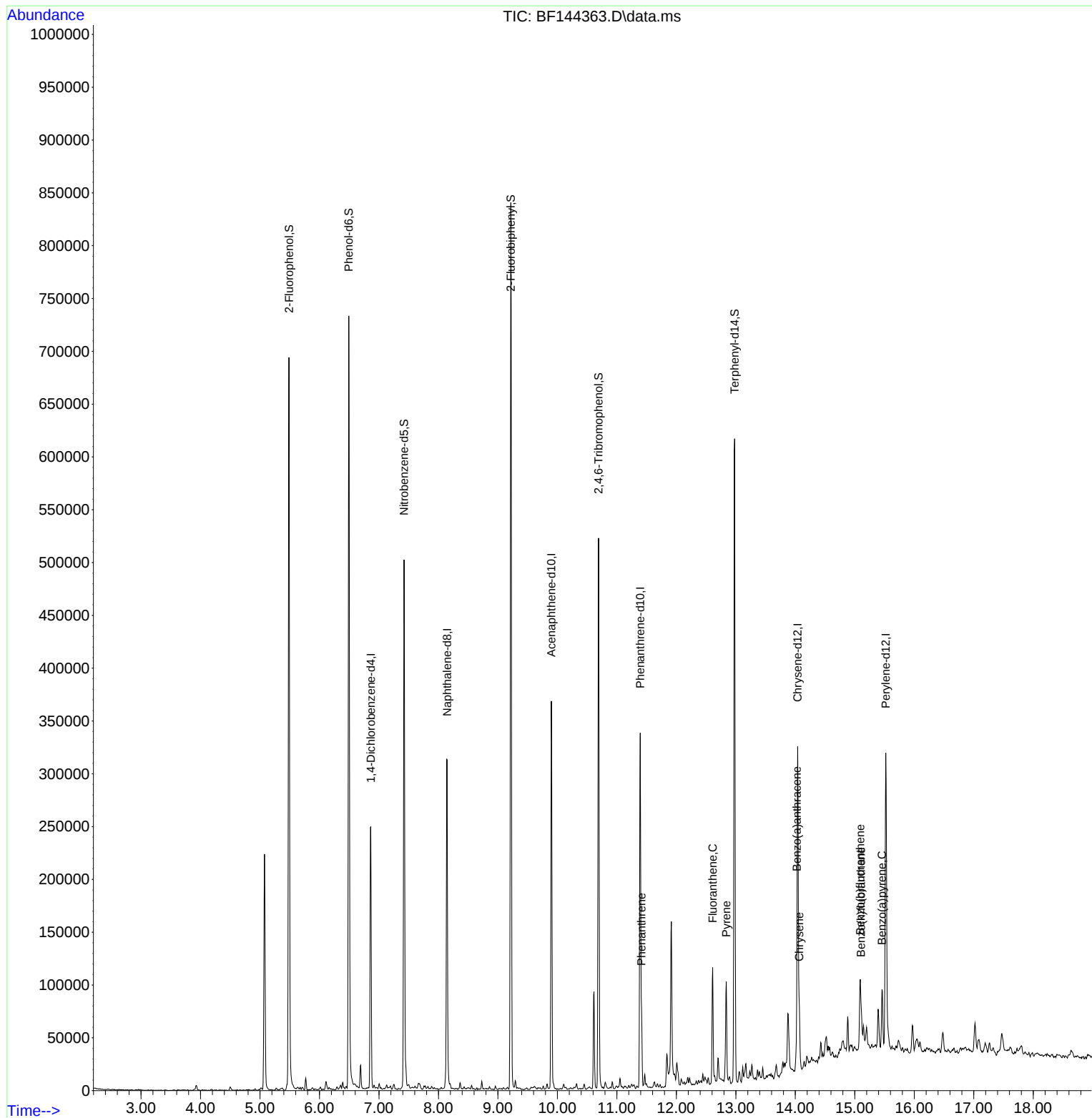
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
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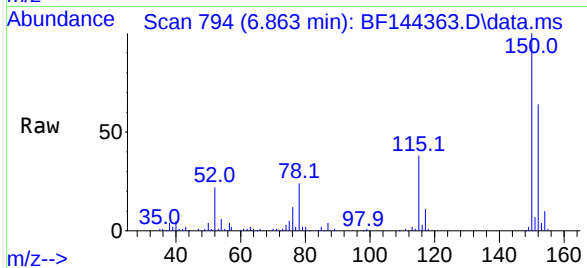
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

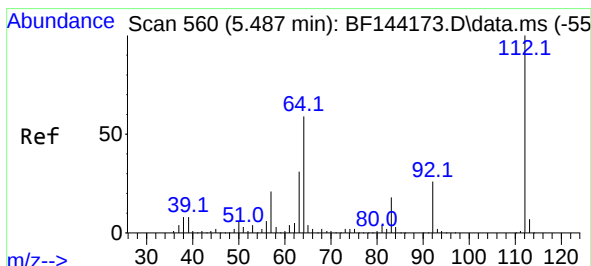
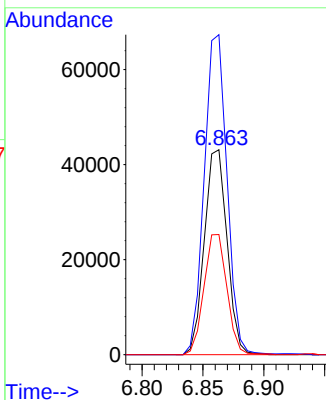
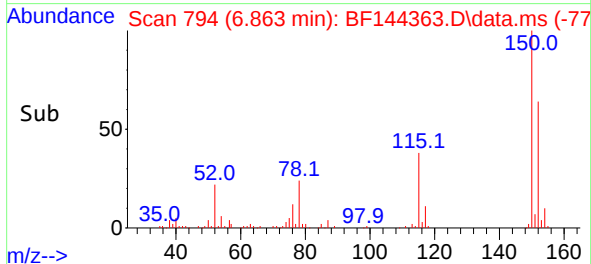
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A



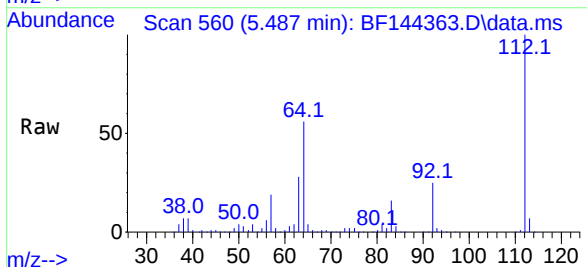
Tgt Ion:152 Resp: 5600
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 58.6 49.5 74.3

Manual Integrations
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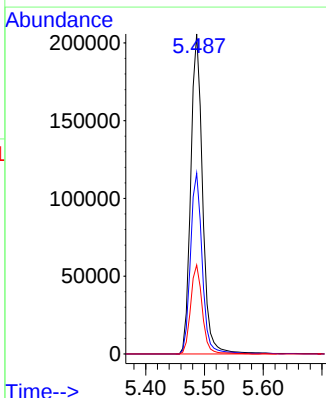
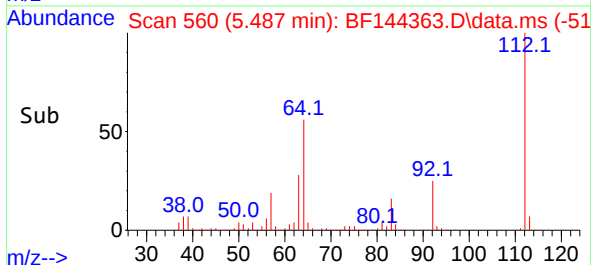
Reviewed By :Jagrut Upadhyay 12/02/2025
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#5
2-Fluorophenol
Concen: 80.432 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



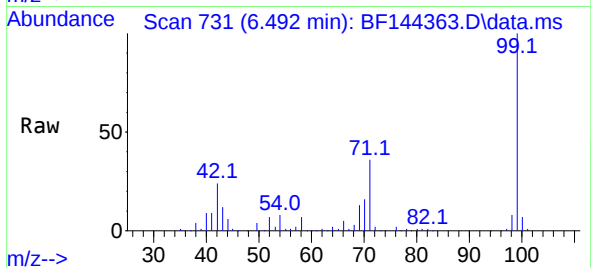
Tgt Ion:112 Resp: 287848
Ion Ratio Lower Upper
112 100
64 56.5 47.2 70.8
63 27.8 24.4 36.6





#7
Phenol-d6
Concen: 81.863 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

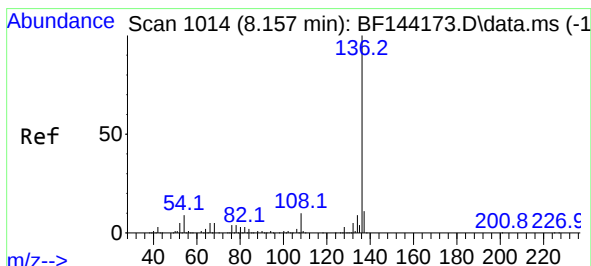
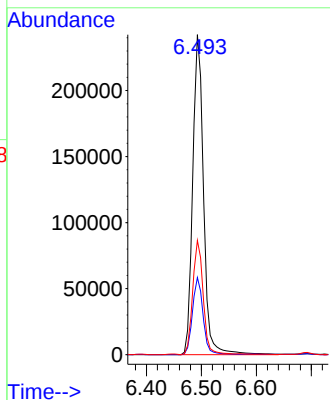
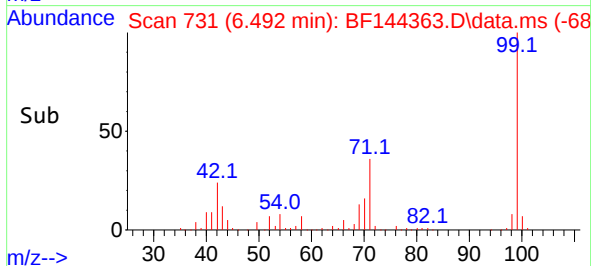
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A



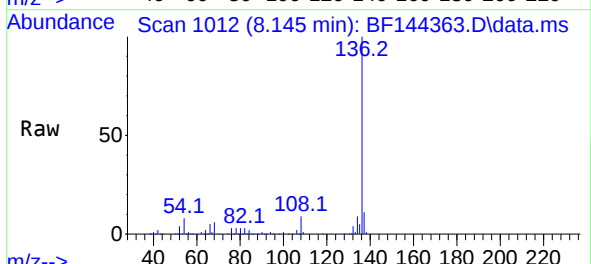
Tgt Ion: 99 Resp: 331950
Ion Ratio Lower Upper
99 100
42 24.1 20.9 31.3
71 35.7 31.4 47.2

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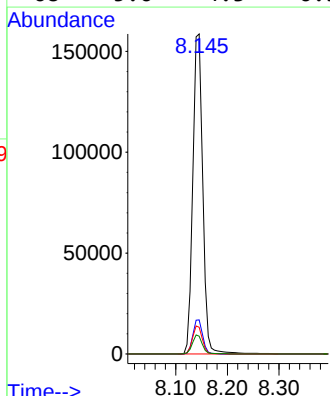
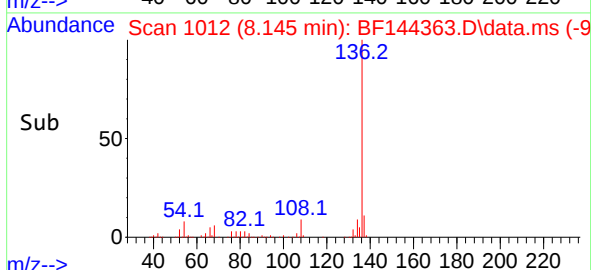
Reviewed By :Jagrut Upadhyay 12/02/2025
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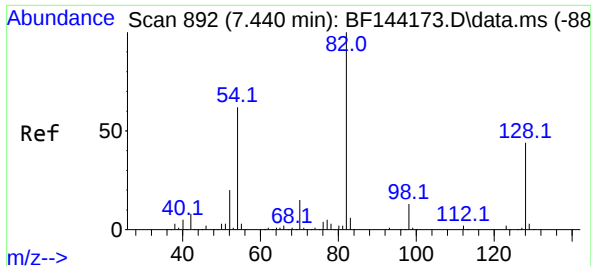


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



Tgt Ion:136 Resp: 212654
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.3 7.0 10.6
68 5.6 4.3 6.5





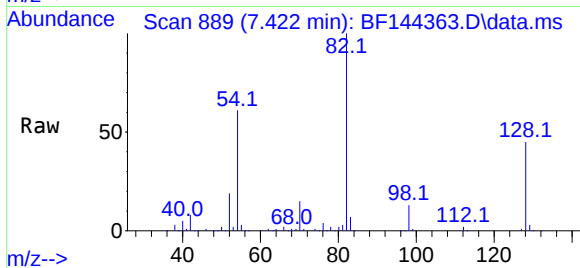
#23
Nitrobenzene-d5
Concen: 56.629 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-10A

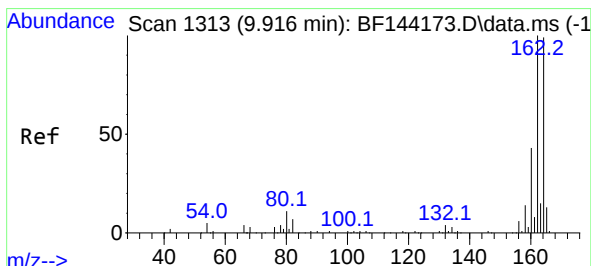
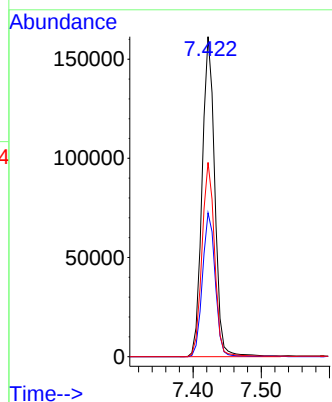
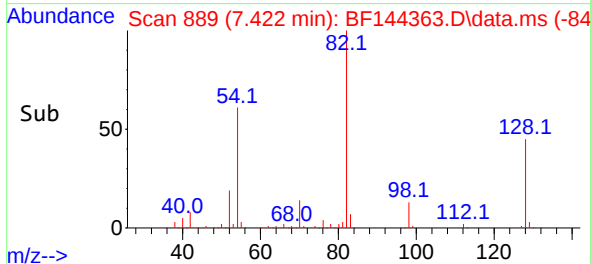


Tgt Ion: 82 Resp: 208508
Ion Ratio Lower Upper
82 100
128 45.0 34.7 52.1
54 60.7 49.5 74.3

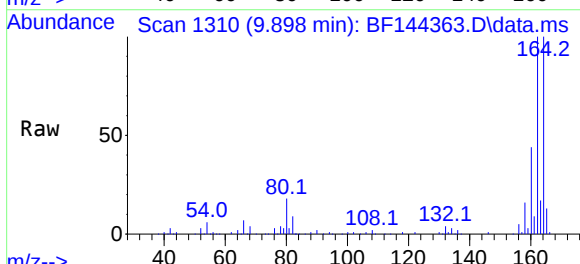
Manual Integrations

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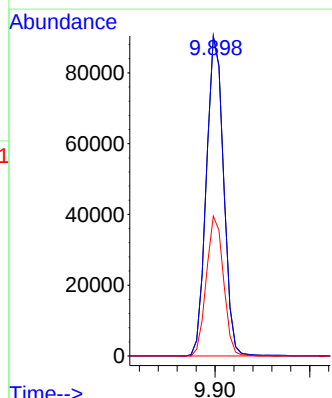
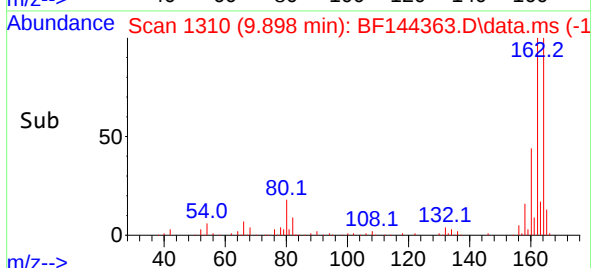
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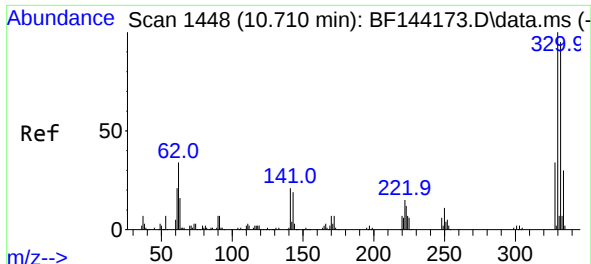


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



Tgt Ion:164 Resp: 113982
Ion Ratio Lower Upper
164 100
162 99.8 81.1 121.7
160 43.7 34.5 51.7





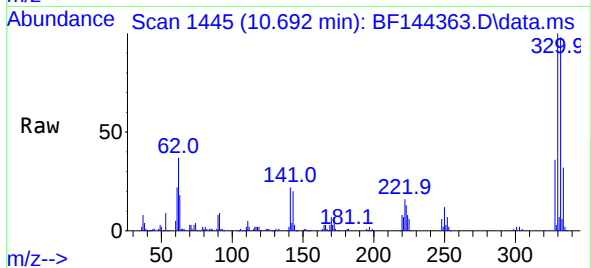
#42
2,4,6-Tribromophenol
Concen: 72.218 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :

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ClientSampleId :

SB-1125-10A

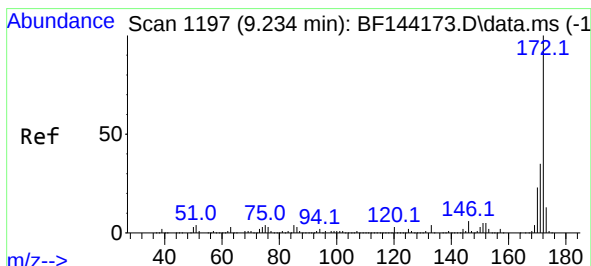
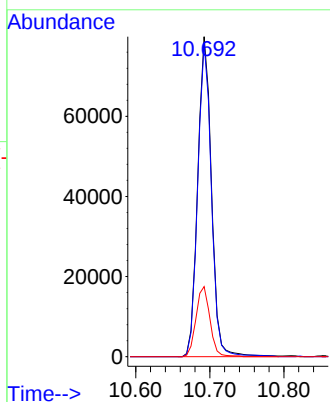
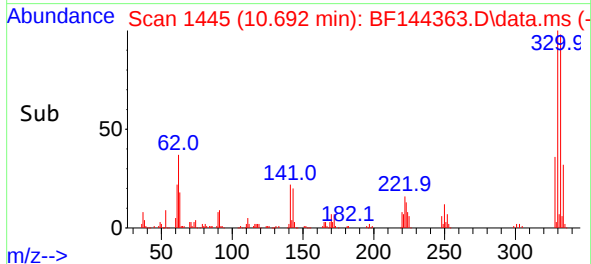


Tgt Ion:330 Resp: 103297
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 22.1 17.8 26.8

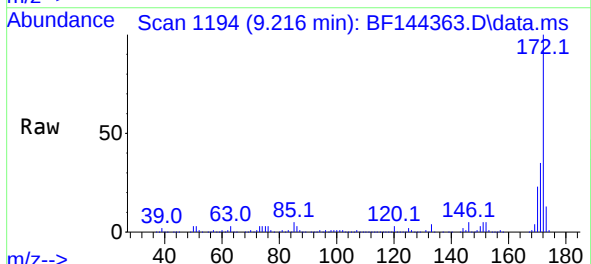
Manual Integrations

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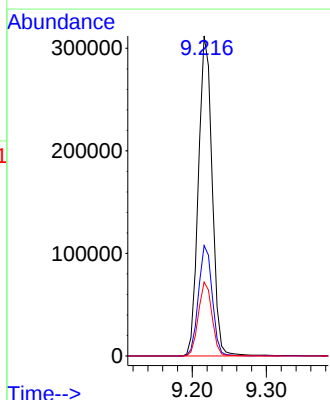
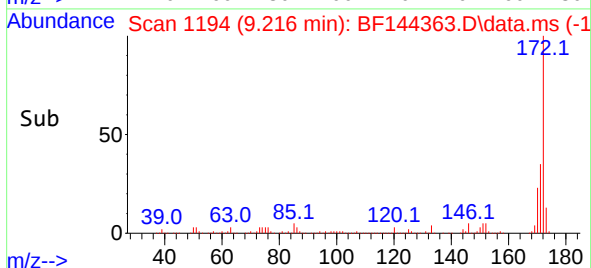
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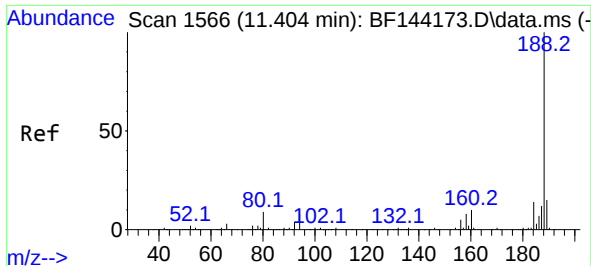


#45
2-Fluorobiphenyl
Concen: 52.091 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



Tgt Ion:172 Resp: 402012
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.1 18.6 28.0





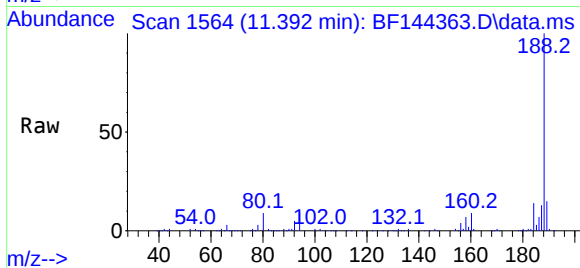
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-10A

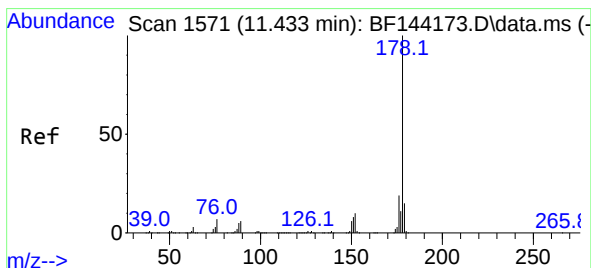
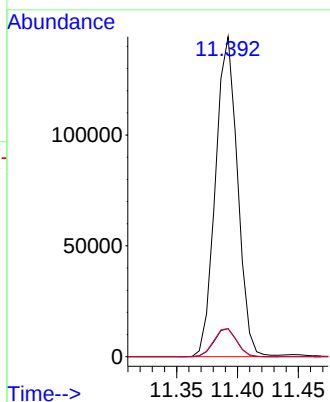
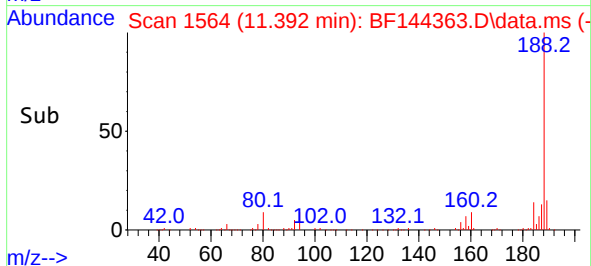


Tgt Ion:188 Resp: 182608
Ion Ratio Lower Upper
188 100
94 8.8 6.2 9.2
80 8.8 6.9 10.3

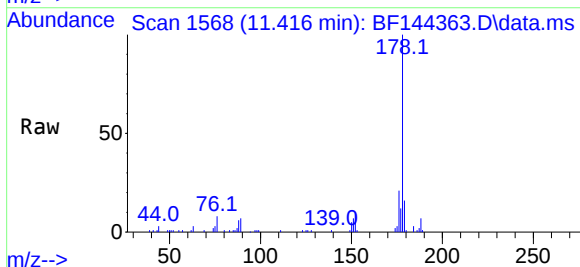
Manual Integrations

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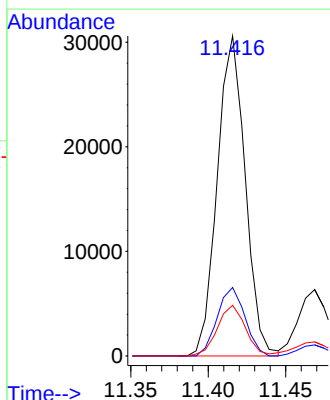
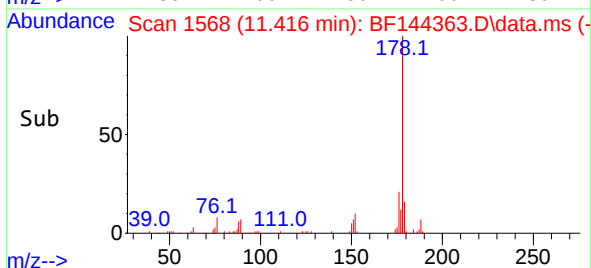
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

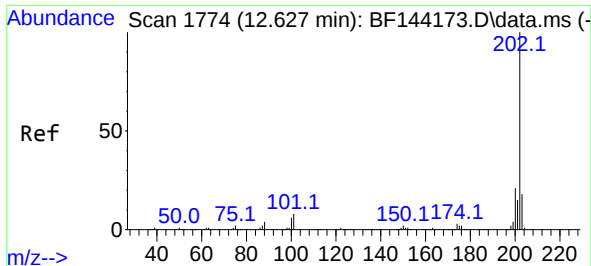


#71
Phenanthrene
Concen: 4.221 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



Tgt Ion:178 Resp: 38380
Ion Ratio Lower Upper
178 100
176 21.4 15.5 23.3
179 15.8 12.2 18.4





#75
Fluoranthene
Concen: 6.674 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

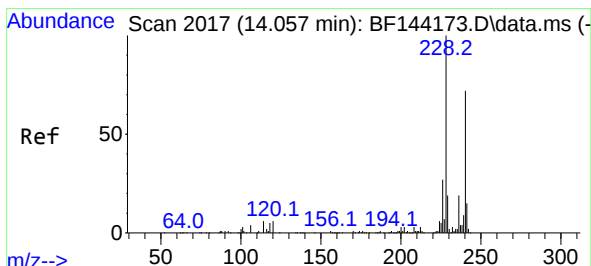
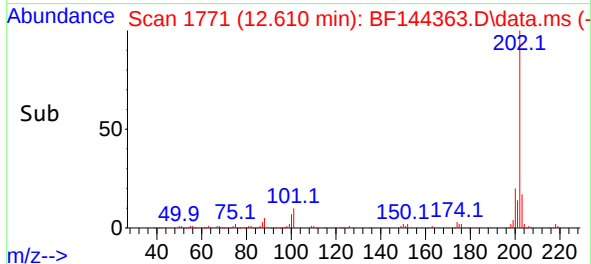
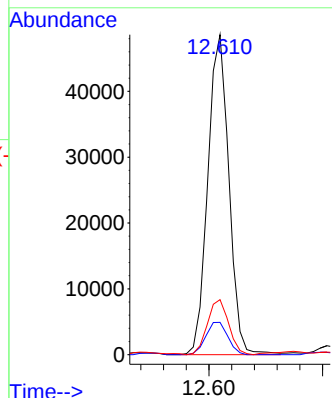
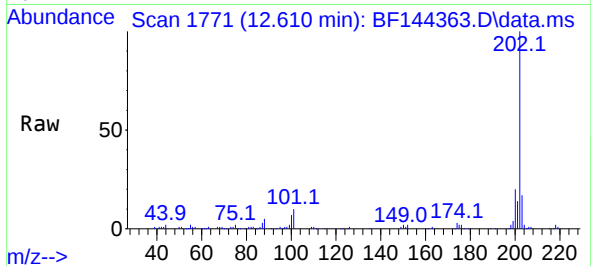
SB-1125-10A

Tgt Ion:202 Resp: 62680
Ion Ratio Lower Upper
202 100
101 10.1 0.0 27.9
203 17.2 0.0 37.5

Manual Integrations

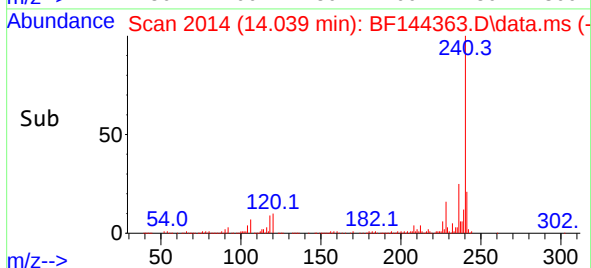
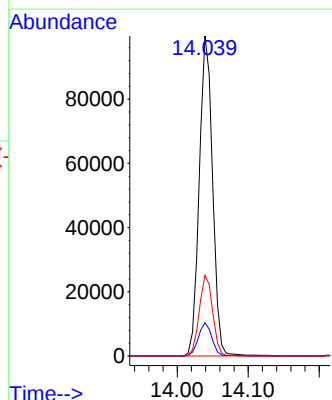
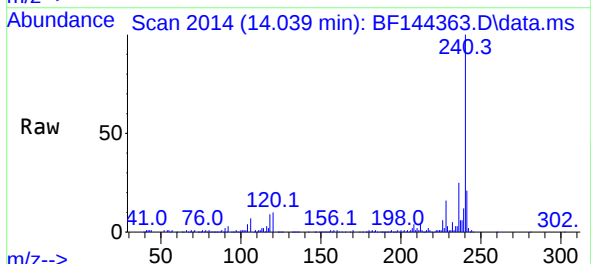
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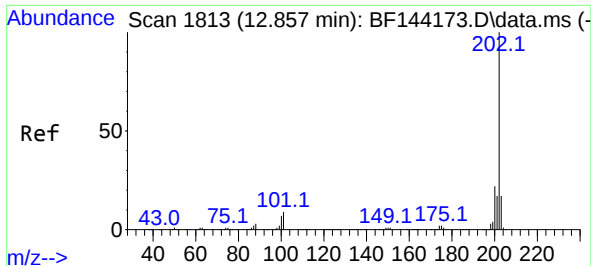
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

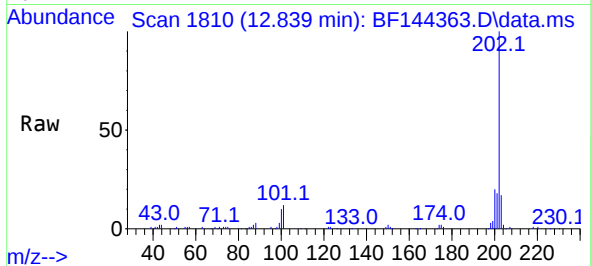
Tgt Ion:240 Resp: 130422
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.2 21.4 32.2





#78
Pyrene
Concen: 5.415 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

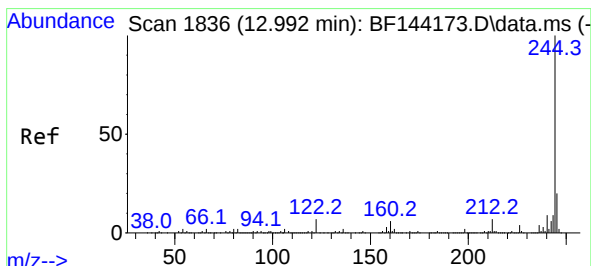
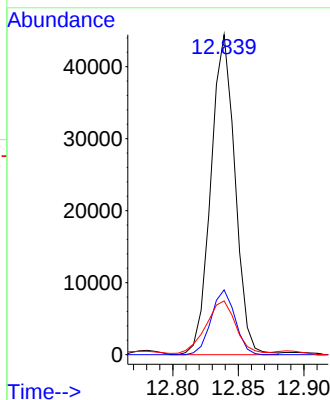
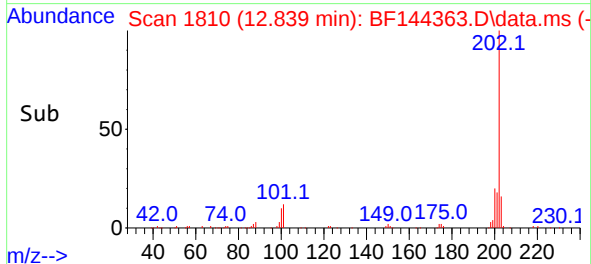
Instrument :
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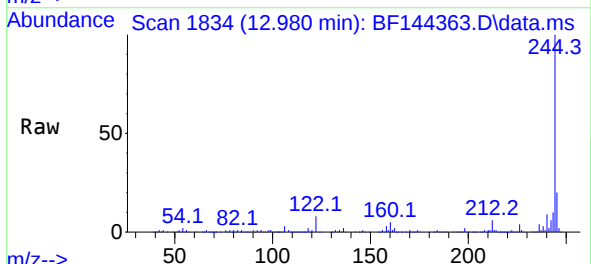
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Ion Ratio Lower Upper
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203 16.8 13.7 20.5

Manual Integrations
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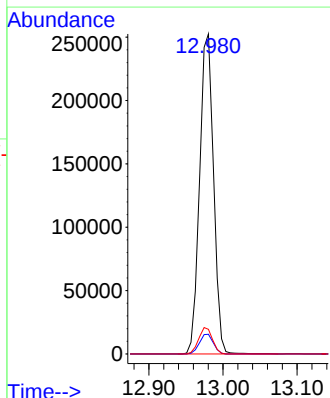
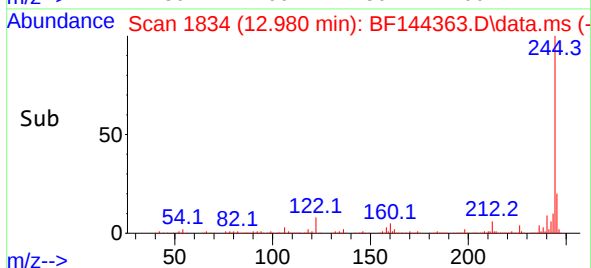
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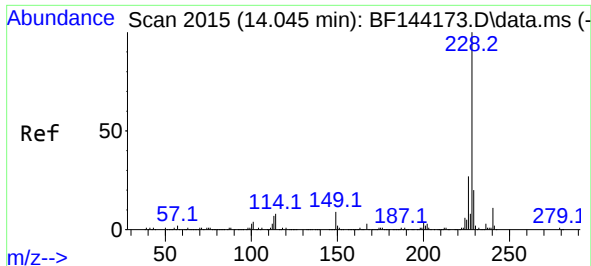


#79
Terphenyl-d14
Concen: 40.211 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



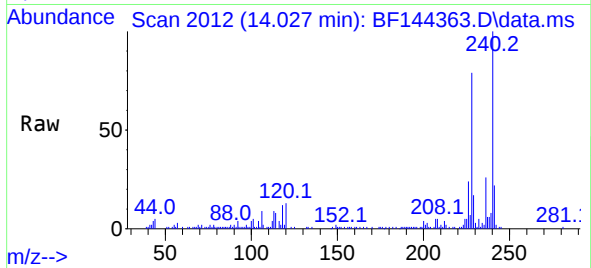
Tgt Ion:244 Resp: 330168
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.7 5.6 8.4





#81
Benzo(a)anthracene
Concen: 3.858 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

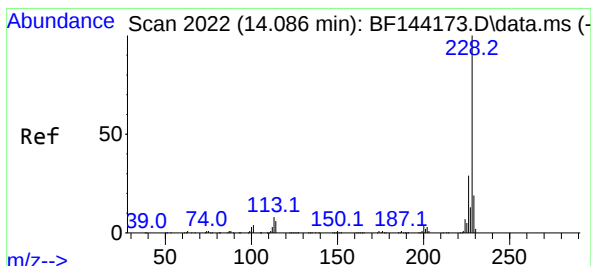
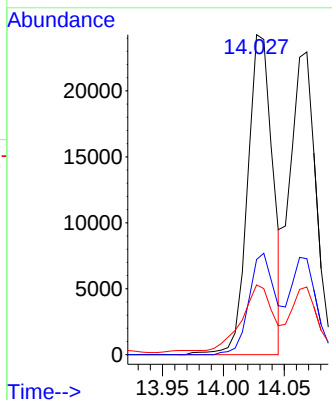
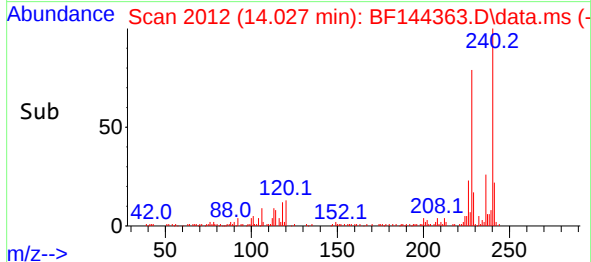
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A



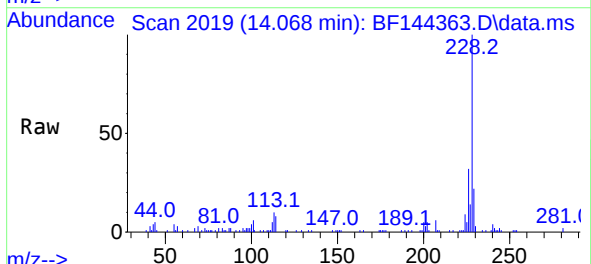
Tgt Ion:228 Resp: 3487
Ion Ratio Lower Upper
228 100
226 29.7 21.8 32.8
229 21.8 15.8 23.6

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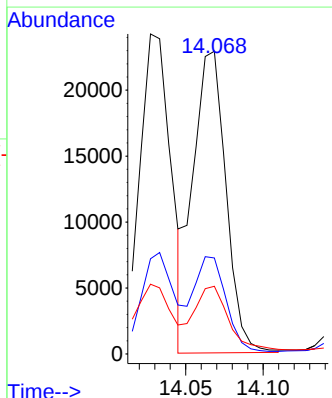
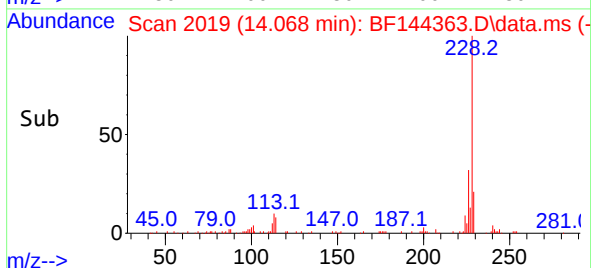
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

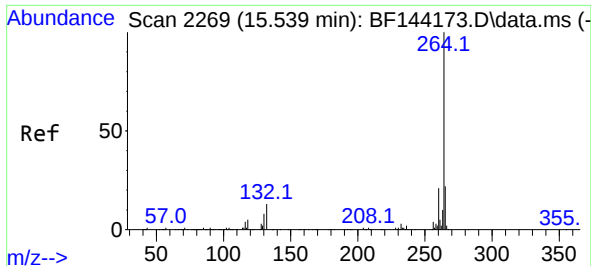


#83
Chrysene
Concen: 4.047 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



Tgt Ion:228 Resp: 33772
Ion Ratio Lower Upper
228 100
226 31.7 22.9 34.3
229 22.4 15.0 22.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 2193
 Delta R.T. -0.018 min
 Lab File: BF144363.D
 Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

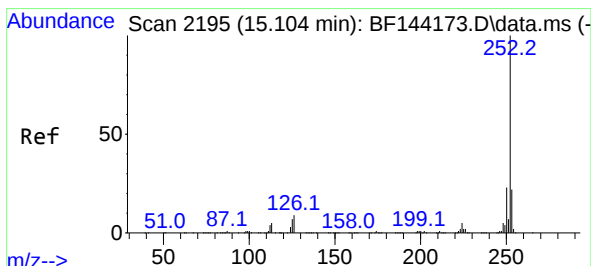
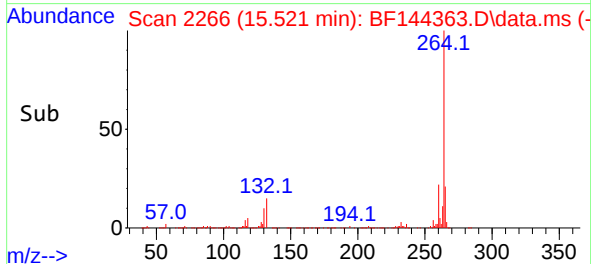
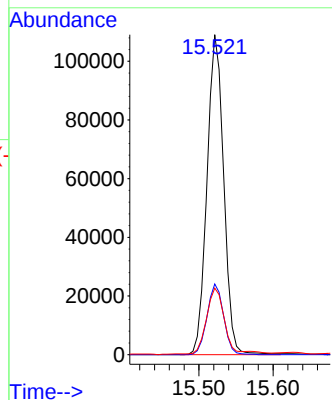
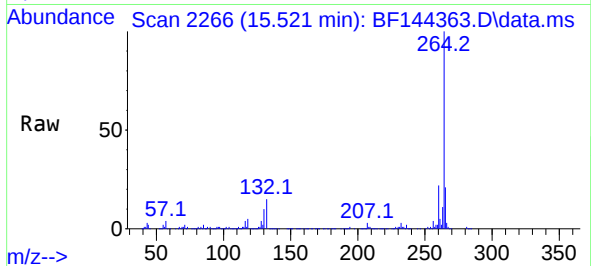
ClientSampleId :

SB-1125-10A

Tgt Ion:264 Resp: 17094
 Ion Ratio Lower Upper
 264 100
 260 22.1 17.1 25.7
 265 20.8 17.4 26.0

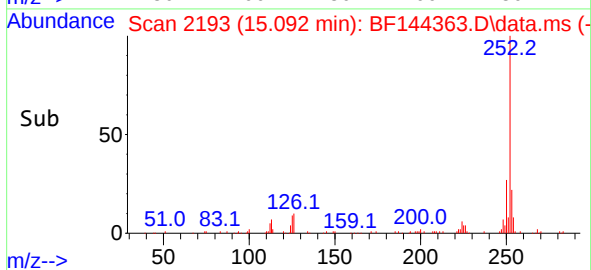
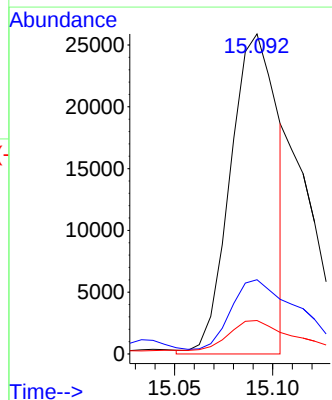
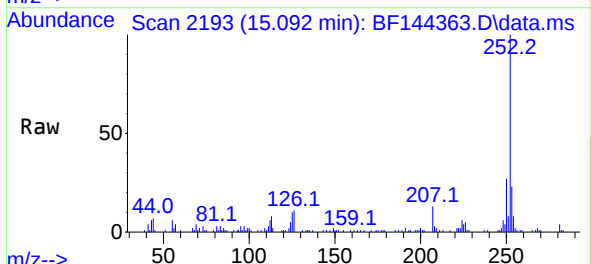
Manual Integrations
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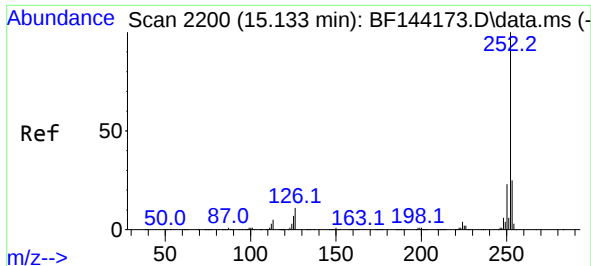
Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025



#88
 Benzo(b)fluoranthene
 Concen: 4.429 ng m
 RT: 15.092 min Scan# 2193
 Delta R.T. -0.006 min
 Lab File: BF144363.D
 Acq: 26 Nov 2025 16:11

Tgt Ion:252 Resp: 43043
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.4 26.2
 125 10.4 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 2.047 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

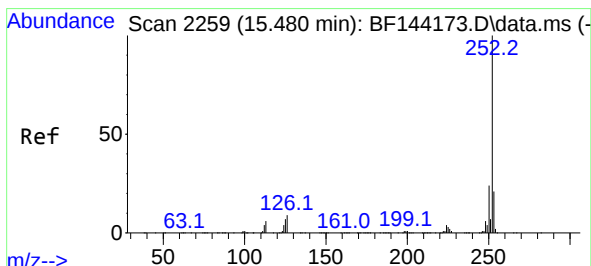
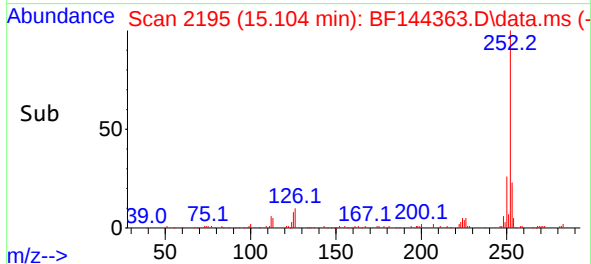
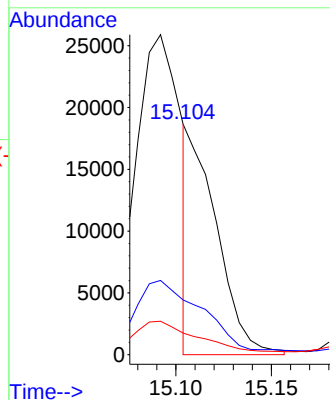
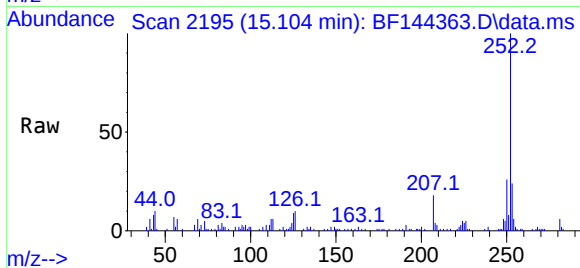
SB-1125-10A

Tgt Ion:	252	Resp:	18624
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	9.4	5.4	8.2

Manual Integrations

APPROVED

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



#90

Benzo(a)pyrene

Concen: 3.803 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Tgt Ion:	252	Resp:	34099
Ion Ratio	Lower	Upper	
252	100		
253	23.6	16.7	25.1
125	10.3	5.7	8.5

