

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112125\
 Data File : BF144310.D
 Acq On : 21 Nov 2025 16:19
 Operator : RC/JU
 Sample : Q3699-03 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-112025

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Nov 21 17:24:50 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	47398	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	165666	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	81857	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	146398	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	150531	20.000	ng	-0.01
86) Perylene-d12	15.521	264	145046	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	204791	67.613	ng	0.00
7) Phenol-d6	6.493	99	219623	63.994	ng	0.00
23) Nitrobenzene-d5	7.422	82	131439	45.823	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	65113	63.388	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	260603	47.020	ng	-0.01
79) Terphenyl-d14	12.975	244	313570	33.088	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	31025	4.256	ng	99
75) Fluoranthene	12.610	202	94119	12.500	ng	99
78) Pyrene	12.839	202	80839	6.660	ng	98
81) Benzo(a)anthracene	14.027	228	54615	5.235	ng	96
83) Chrysene	14.063	228	49176m	5.106	ng	
88) Benzo(b)fluoranthene	15.086	252	66794m	8.100	ng	
89) Benzo(k)fluoranthene	15.104	252	22779m	2.951	ng	
90) Benzo(a)pyrene	15.457	252	43993	5.783	ng	# 94
92) Benzo(g,h,i)perylene	17.468	276	19169	2.321	ng	# 95

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

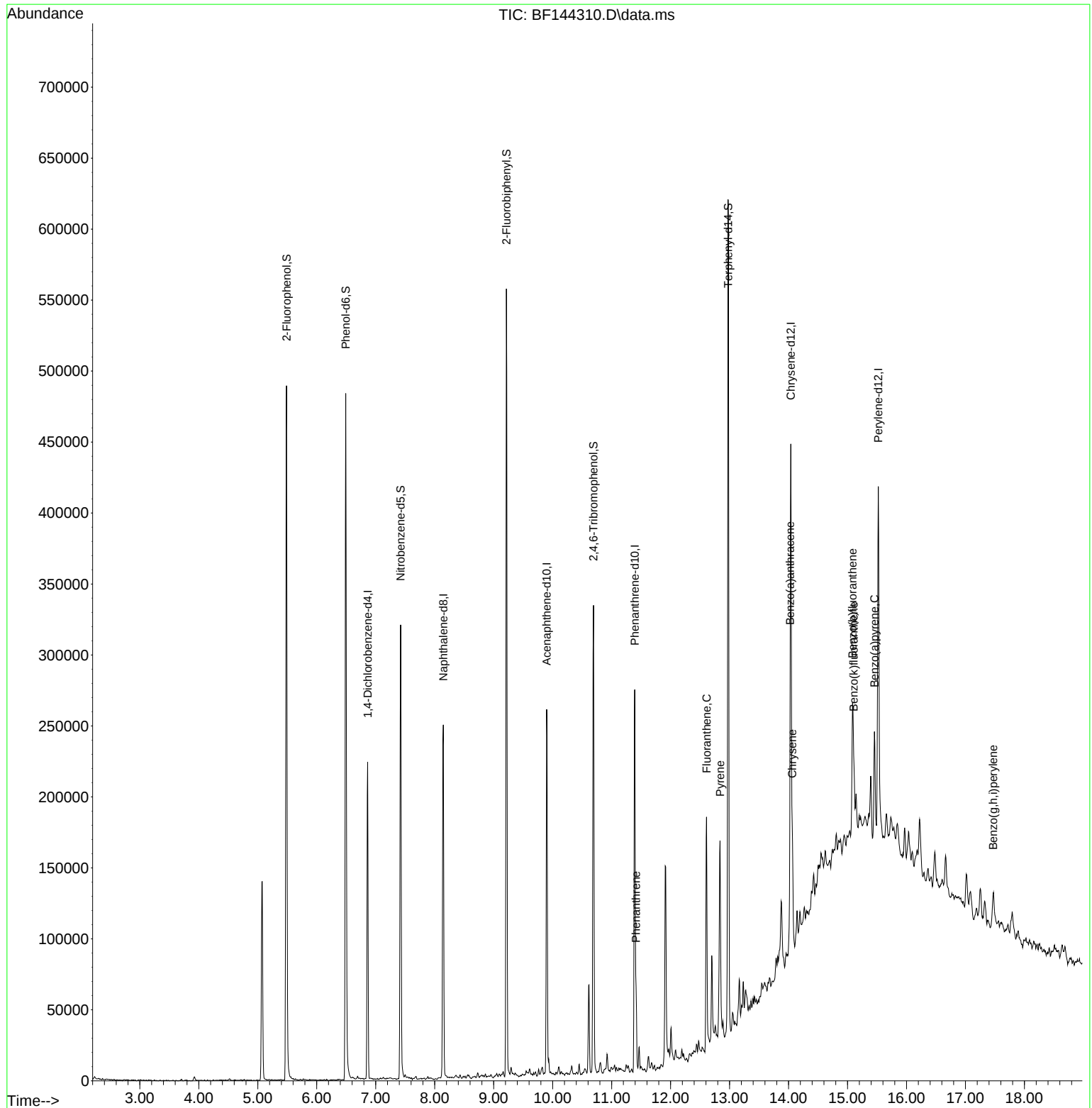
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112125\
Data File : BF144310.D
Acq On : 21 Nov 2025 16:19
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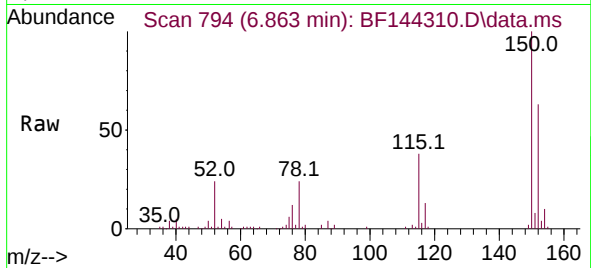
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

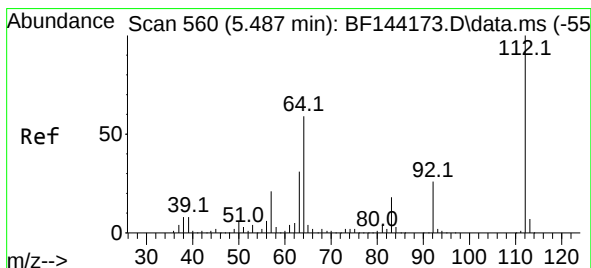
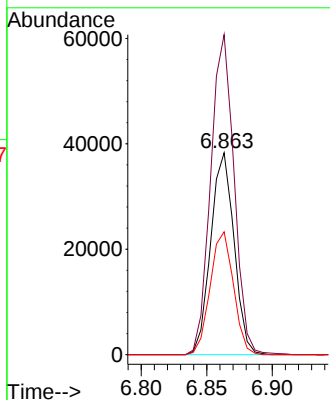
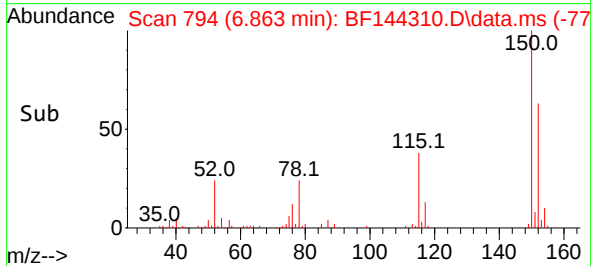
Instrument :
BNA_F
ClientSampleId :
TR-06-112025



Tgt Ion:152 Resp: 47398
Ion Ratio Lower Upper
152 100
150 158.5 127.4 191.0
115 60.9 49.5 74.3

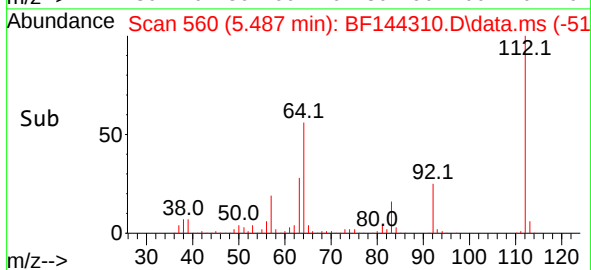
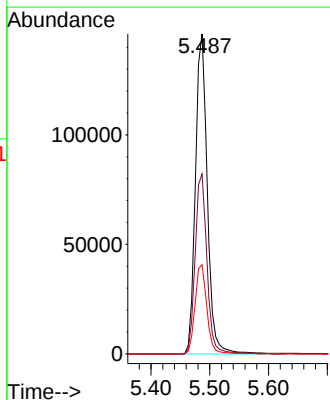
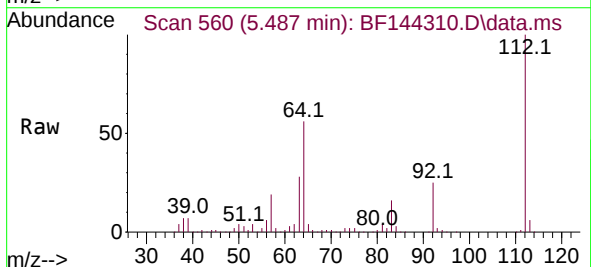
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#5
2-Fluorophenol
Concen: 67.613 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

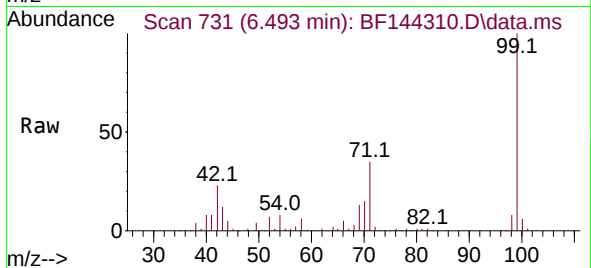
Tgt Ion:112 Resp: 204791
Ion Ratio Lower Upper
112 100
64 56.2 47.2 70.8
63 27.9 24.4 36.6





#7
Phenol-d6
Concen: 63.994 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

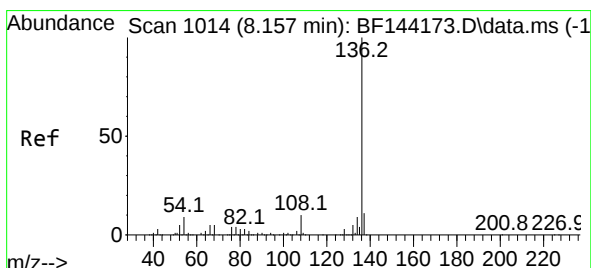
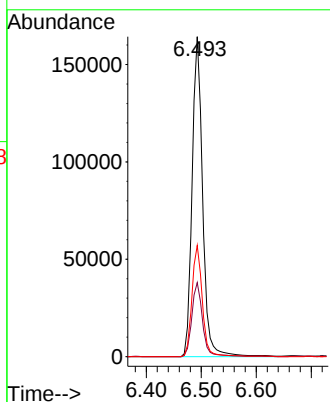
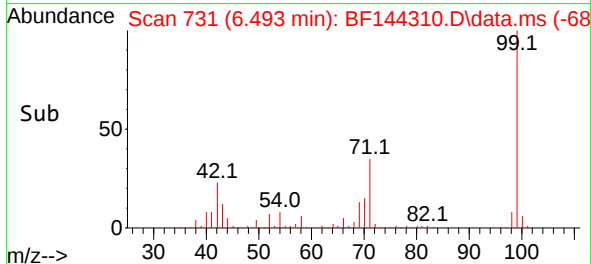
Instrument :
BNA_F
ClientSampleId :
TR-06-112025



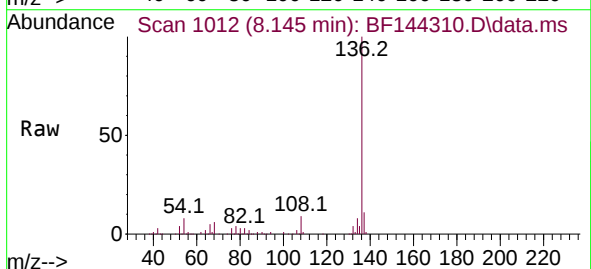
Tgt Ion: 99 Resp: 219623
Ion Ratio Lower Upper
99 100
42 23.1 20.9 31.3
71 34.7 31.4 47.2

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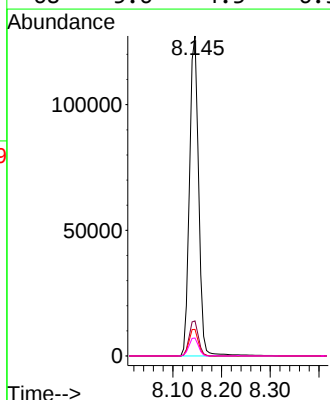
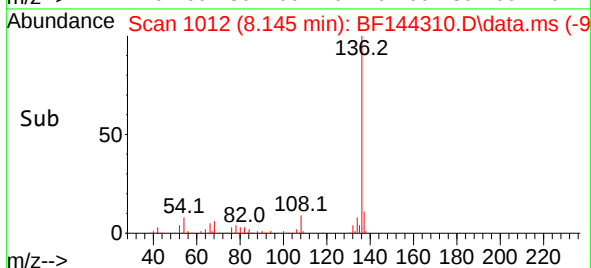
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 12/03/2025

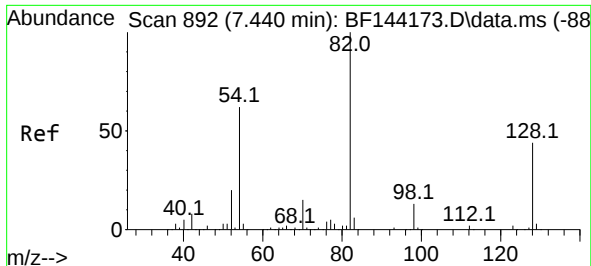


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19



Tgt Ion:136 Resp: 165666
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.6
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 45.823 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144310.D

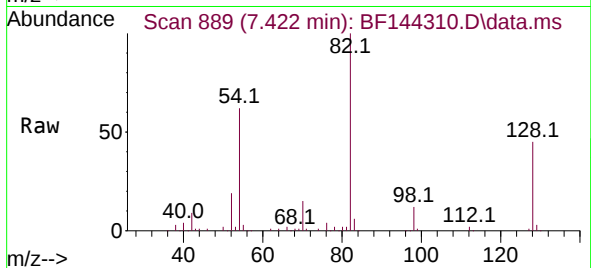
Acq: 21 Nov 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TR-06-112025



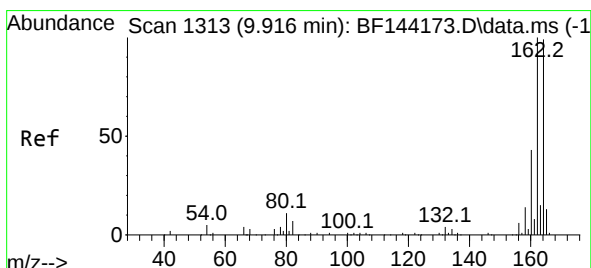
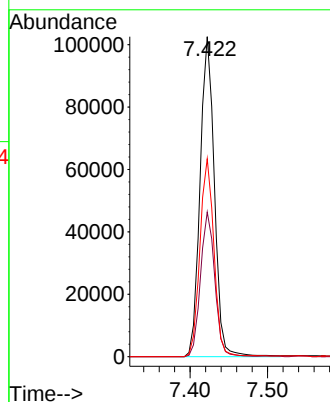
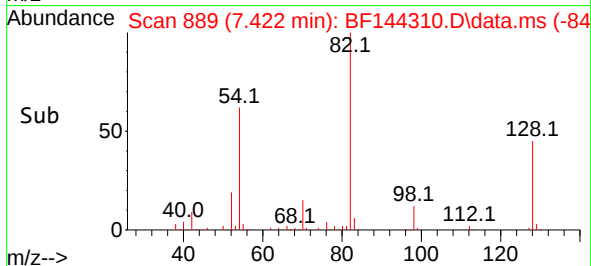
Tgt Ion: 82 Resp: 131439

Ion	Ratio	Lower	Upper
82	100		
128	45.2	34.7	52.1
54	61.8	49.5	74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

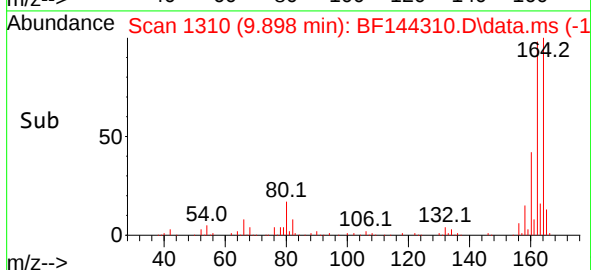
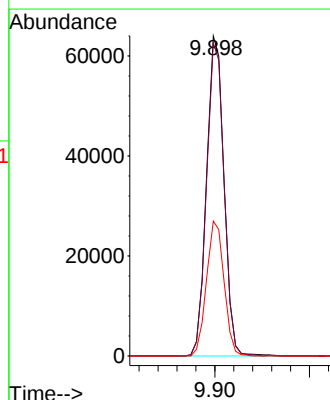
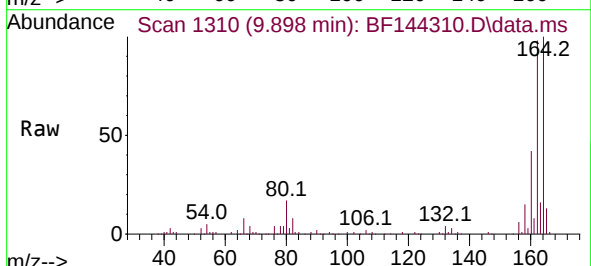
Delta R.T. -0.018 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Tgt Ion:164 Resp: 81857

Ion	Ratio	Lower	Upper
164	100		
162	97.8	81.1	121.7
160	42.1	34.5	51.7





#42

2,4,6-Tribromophenol

Concen: 63.388 ng

RT: 10.692 min Scan# 1445

Delta R.T. -0.012 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Instrument :

BNA_F

ClientSampleId :

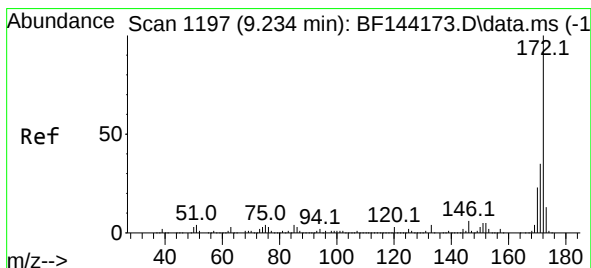
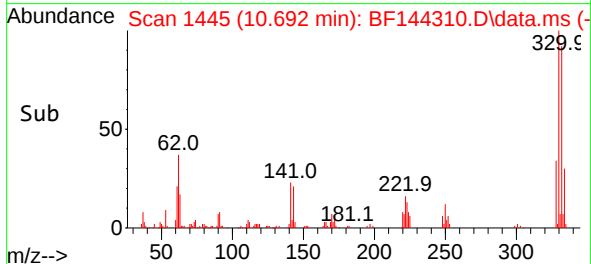
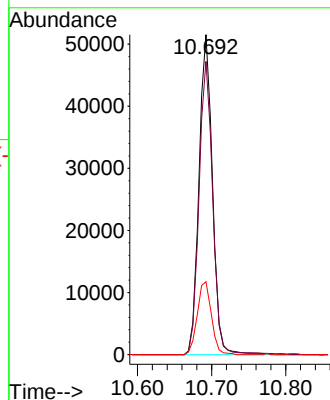
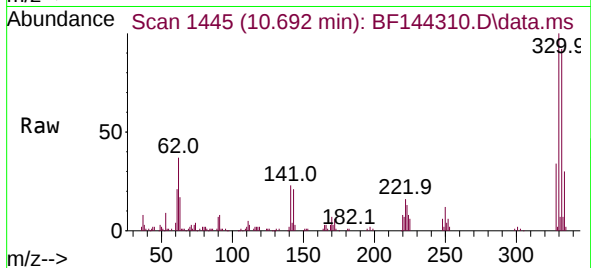
TR-06-112025

Tgt Ion:330 Resp: 65113
 Ion Ratio Lower Upper
 330 100
 332 93.0 76.7 115.1
 141 23.9 17.8 26.8

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 47.020 ng

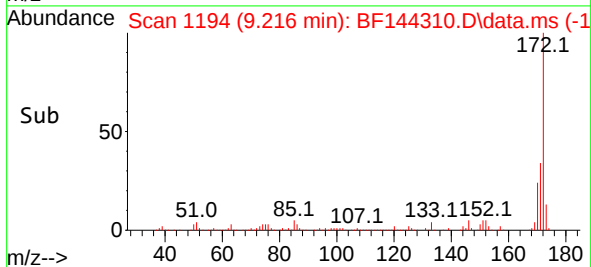
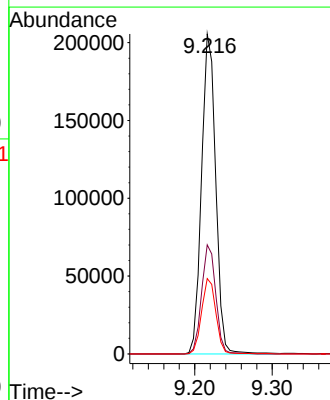
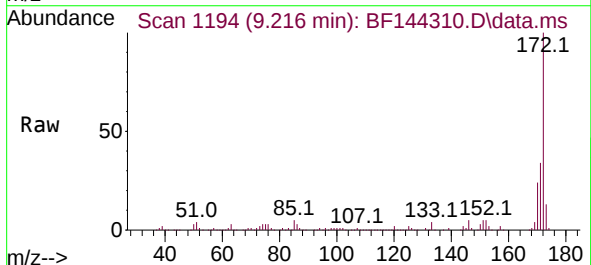
RT: 9.216 min Scan# 1194

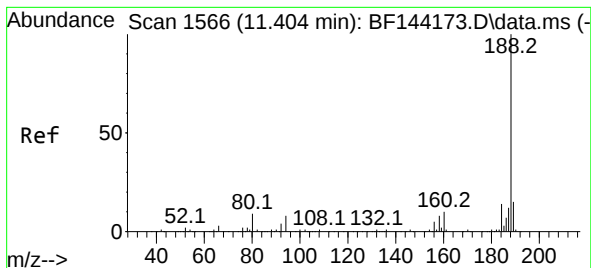
Delta R.T. -0.012 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Tgt Ion:172 Resp: 260603
 Ion Ratio Lower Upper
 172 100
 171 34.1 28.1 42.1
 170 23.5 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TR-06-112025

Tgt Ion:188 Resp: 146398

Ion Ratio Lower Upper

188 100

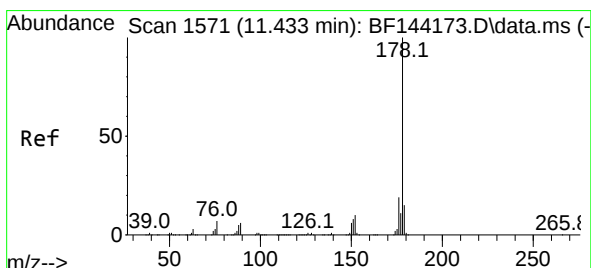
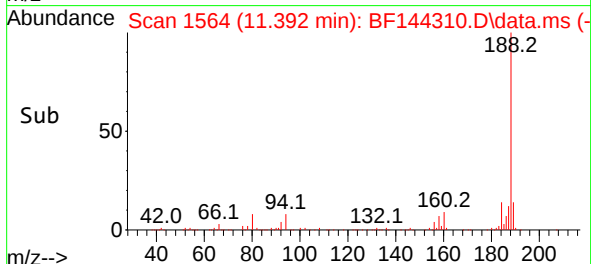
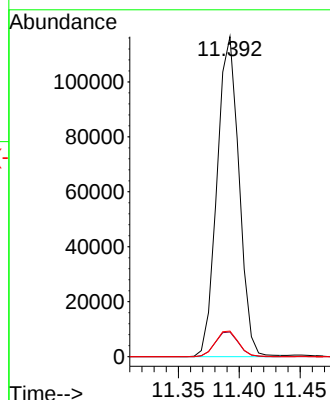
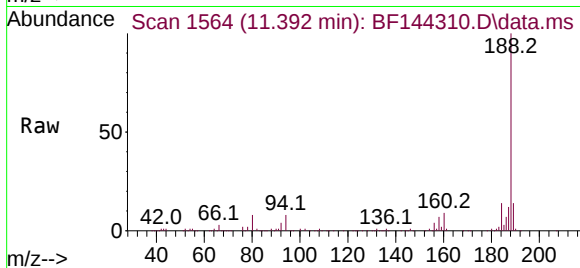
94 7.7 6.2 9.2

80 8.0 6.9 10.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 12/03/2025



#71

Phenanthrene

Concen: 4.256 ng

RT: 11.416 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

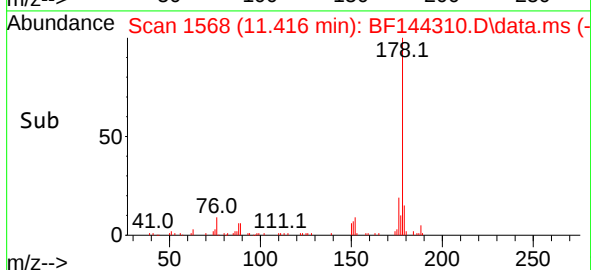
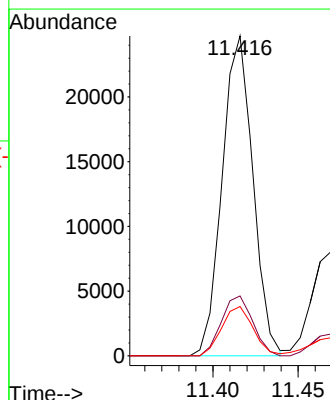
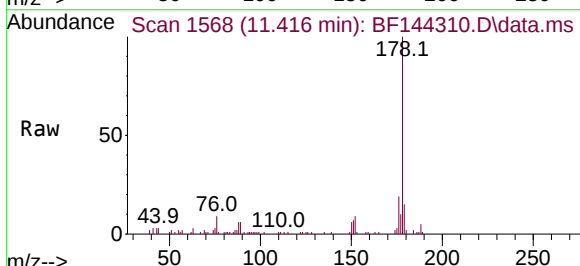
Tgt Ion:178 Resp: 31025

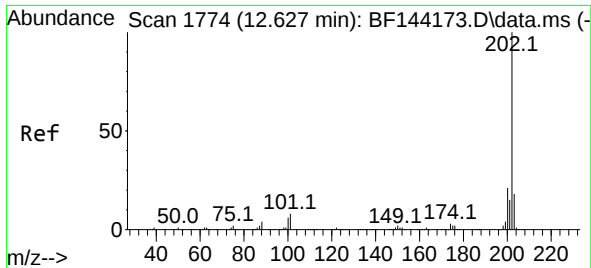
Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 12.500 ng
RT: 12.610 min Scan# 1774
Delta R.T. -0.012 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

Instrument :

BNA_F

ClientSampleId :

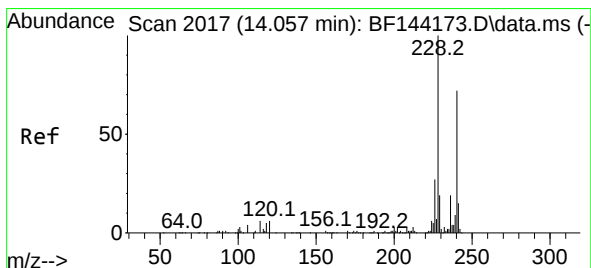
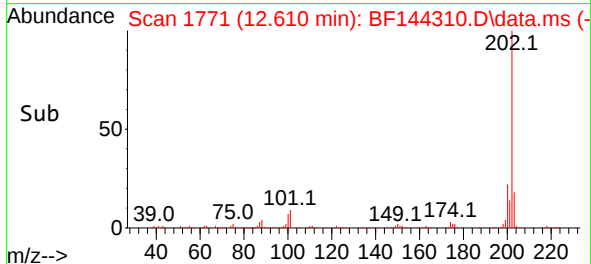
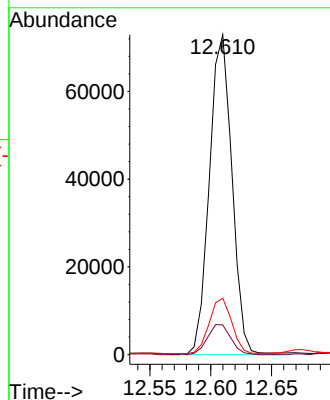
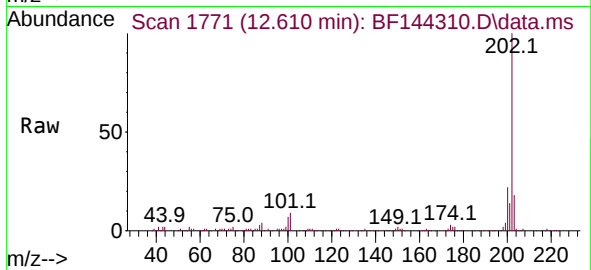
TR-06-112025

Tgt Ion:202 Resp: 94119
Ion Ratio Lower Upper
202 100
101 9.3 0.0 27.9
203 17.6 0.0 37.5

Manual Integrations

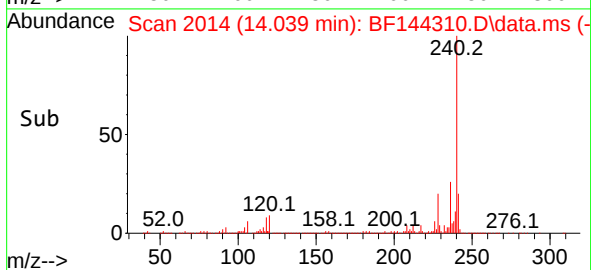
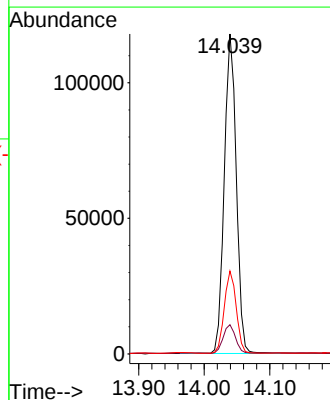
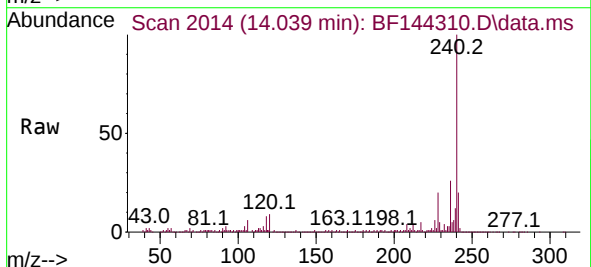
APPROVED

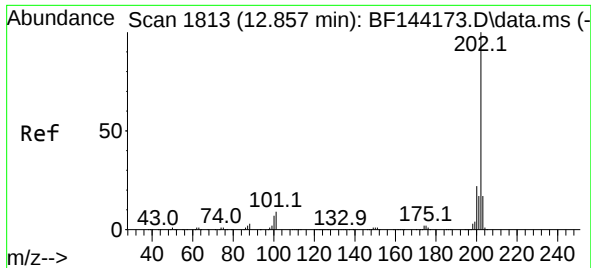
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

Tgt Ion:240 Resp: 150531
Ion Ratio Lower Upper
240 100
120 9.1 6.6 10.0
236 25.9 21.4 32.2





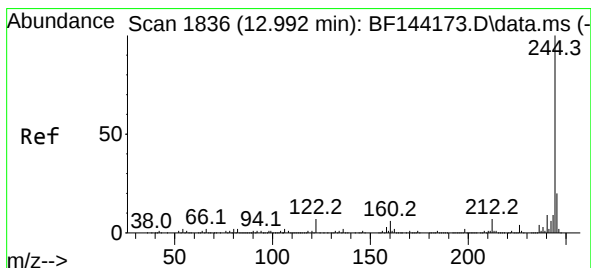
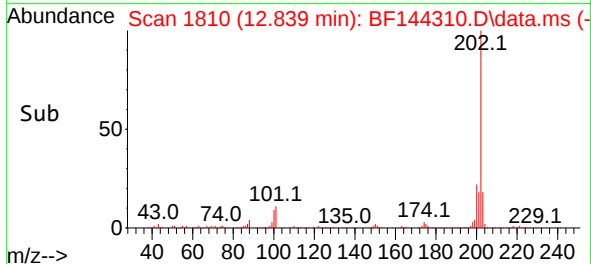
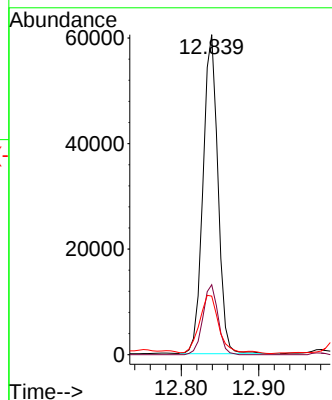
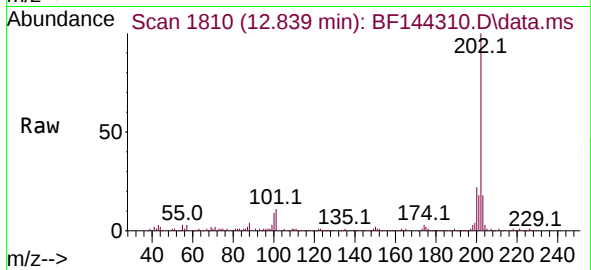
#78
Pyrene
Concen: 6.660 ng
RT: 12.839 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
TR-06-112025

Tgt Ion:202 Resp: 80839
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 18.3 13.7 20.5

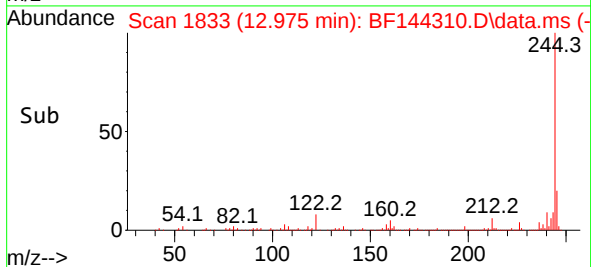
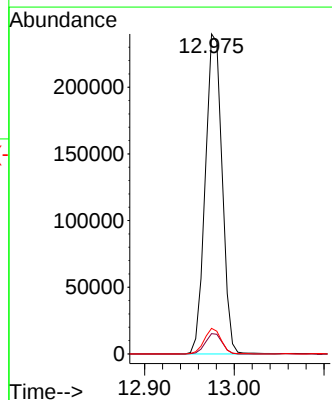
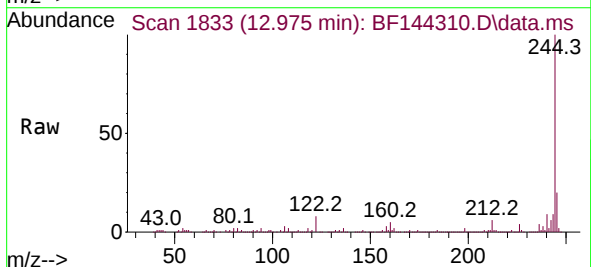
Manual Integrations
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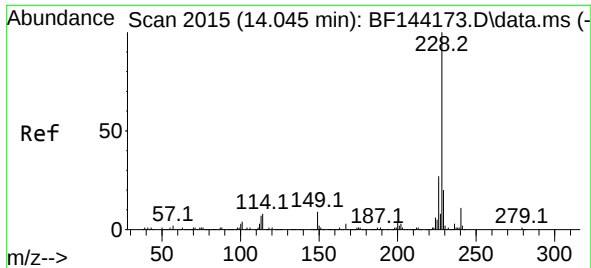
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 12/03/2025



#79
Terphenyl-d14
Concen: 33.088 ng
RT: 12.975 min Scan# 1833
Delta R.T. -0.018 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

Tgt Ion:244 Resp: 313570
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 8.0 5.6 8.4





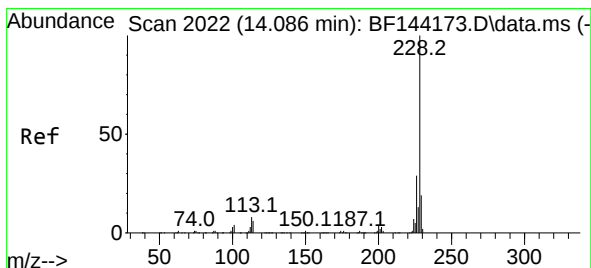
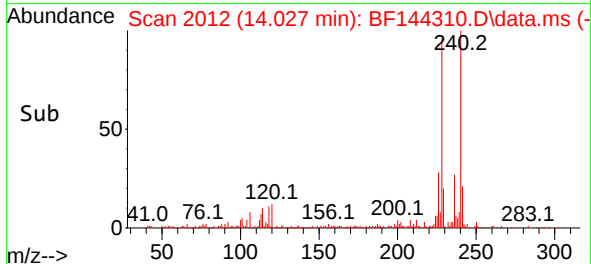
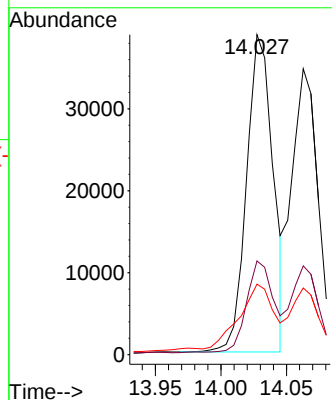
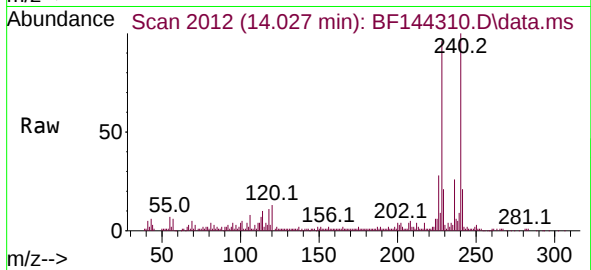
#81
Benzo(a)anthracene
Concen: 5.235 ng
RT: 14.027 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
TR-06-112025

Tgt Ion:228 Resp: 54615
Ion Ratio Lower Upper
228 100
226 29.3 21.8 32.8
229 22.0 15.8 23.6

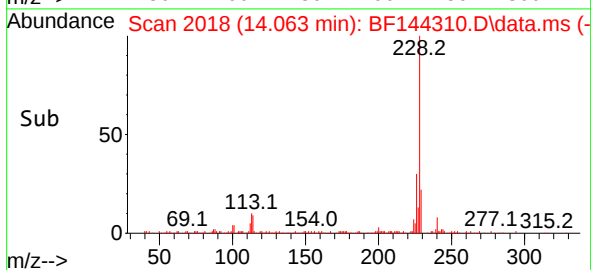
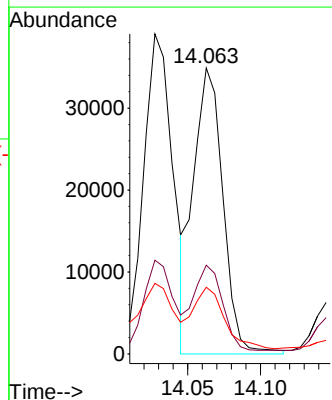
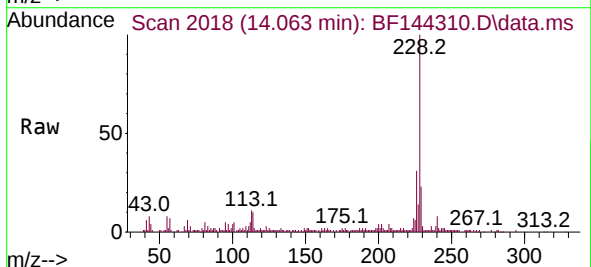
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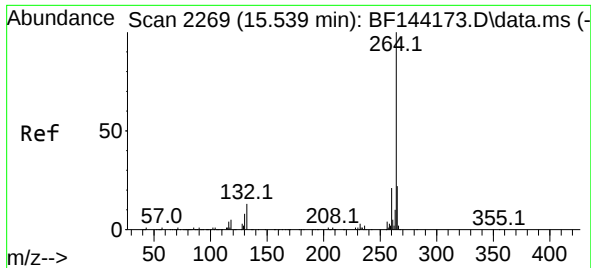
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 12/03/2025



#83
Chrysene
Concen: 5.106 ng m
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

Tgt Ion:228 Resp: 49176
Ion Ratio Lower Upper
228 100
226 31.1 22.9 34.3
229 23.3 15.0 22.6#





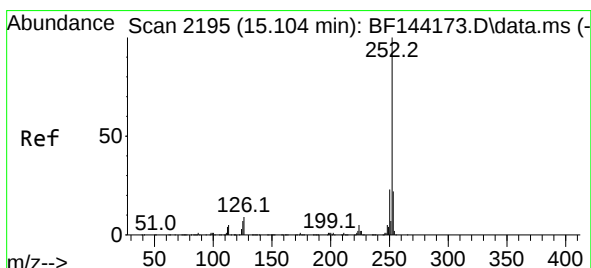
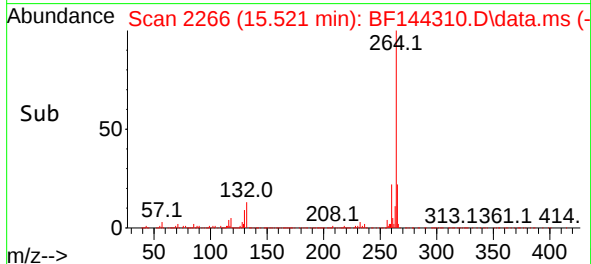
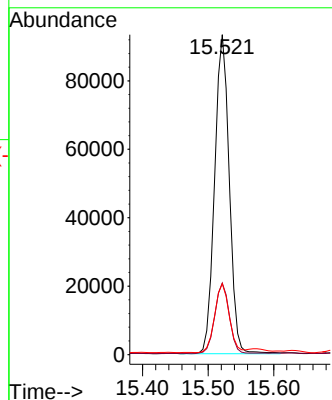
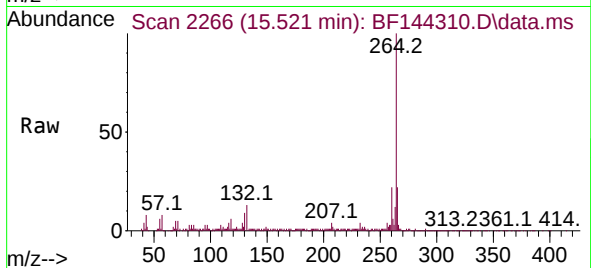
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

Instrument :
BNA_F
ClientSampleId :
TR-06-112025

Tgt Ion:264 Resp: 145046
Ion Ratio Lower Upper
264 100
260 22.4 17.1 25.7
265 22.2 17.4 26.0

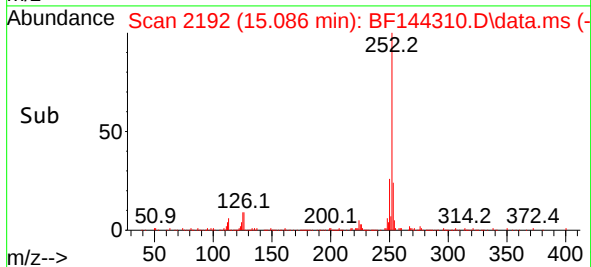
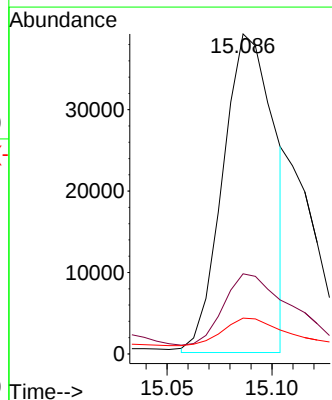
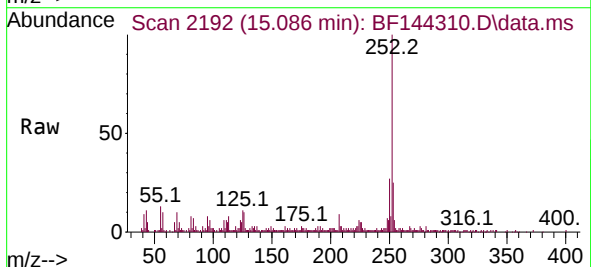
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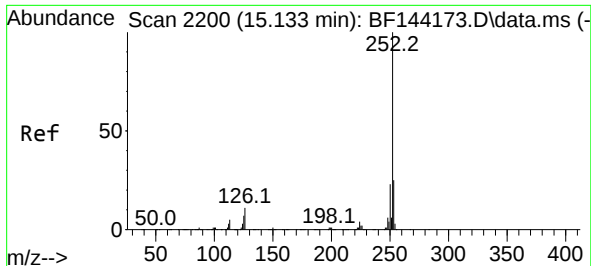
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 12/03/2025



#88
Benzo(b)fluoranthene
Concen: 8.100 ng m
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144310.D
Acq: 21 Nov 2025 16:19

Tgt Ion:252 Resp: 66794
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 11.2 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 2.951 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.023 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Instrument :

BNA_F

ClientSampleId :

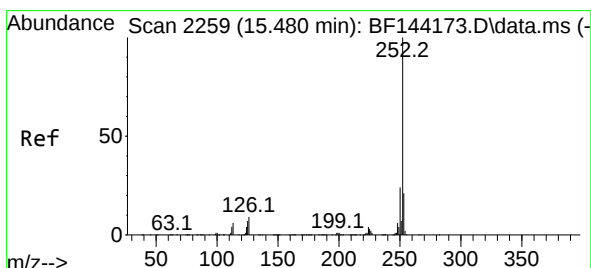
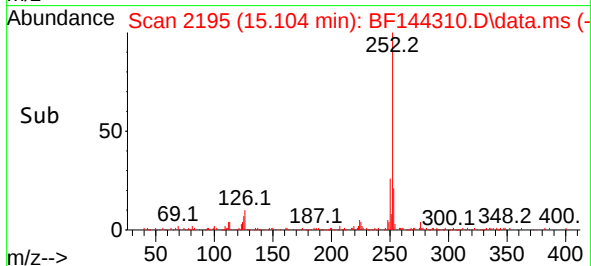
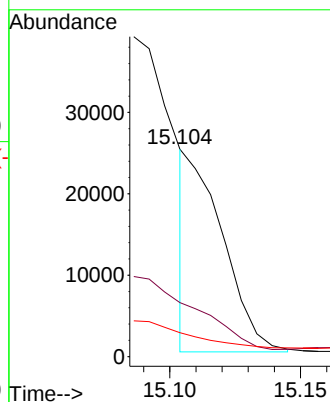
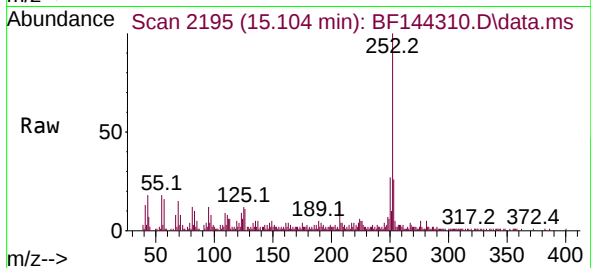
TR-06-112025

Tgt Ion:252 Resp: 22779
 Ion Ratio Lower Upper
 252 100
 253 26.0 18.0 27.0
 125 11.5 5.4 8.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/24/2025
 Supervised By :mohammad ahmed 12/03/2025



#90

Benzo(a)pyrene

Concen: 5.783 ng

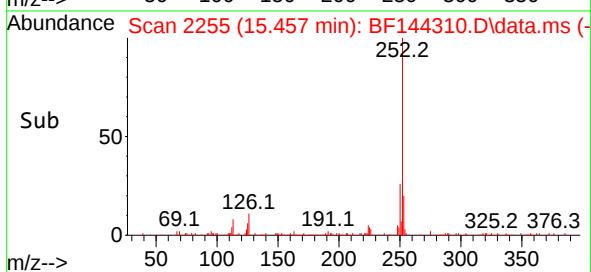
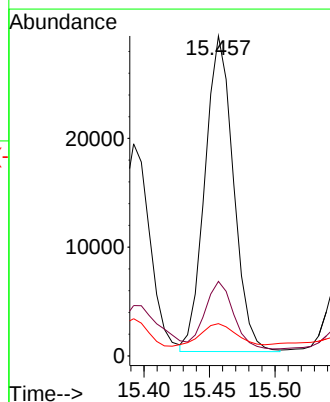
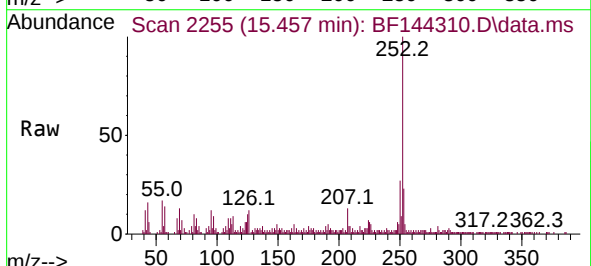
RT: 15.457 min Scan# 2255

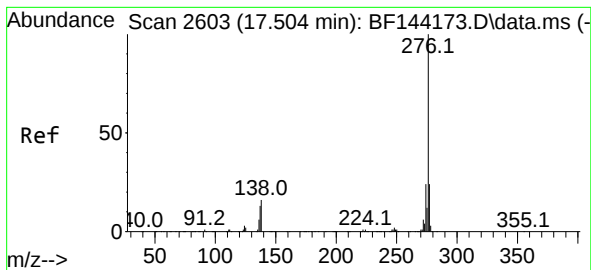
Delta R.T. -0.018 min

Lab File: BF144310.D

Acq: 21 Nov 2025 16:19

Tgt Ion:252 Resp: 43993
 Ion Ratio Lower Upper
 252 100
 253 23.3 16.7 25.1
 125 10.1 5.7 8.5





#92

Benzo(g,h,i)perylene

Concen: 2.321 ng

RT: 17.468 min Scan# 2597

Delta R.T. -0.023 min

Lab File: BF144310.D

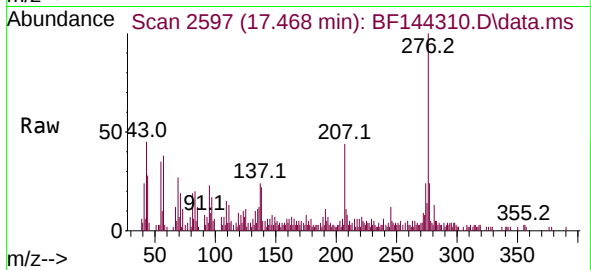
Acq: 21 Nov 2025 16:19

Instrument :

BNA_F

ClientSampleId :

TR-06-112025



Tgt Ion:276 Resp: 19169

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 21.6 12.9 19.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025

Supervised By :mohammad ahmed 12/03/2025

