

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
 Data File : BF144430.D
 Acq On : 04 Dec 2025 15:08
 Operator : RC/JU
 Sample : Q3767-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 346

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/05/2025
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 04 15:28:25 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	43304	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	151188	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	72094	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	118474	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	127946	20.000	ng	-0.01
86) Perylene-d12	15.527	264	144563	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	192696	69.634	ng	0.00
7) Phenol-d6	6.492	99	207279	66.107	ng	0.00
23) Nitrobenzene-d5	7.422	82	126553	48.344	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	62079	68.619	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	261663	53.605	ng	-0.01
79) Terphenyl-d14	12.974	244	282745	35.102	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	16680	2.828	ng	97
75) Fluoranthene	12.610	202	89377	14.668	ng	99
78) Pyrene	12.839	202	76253	7.392	ng	99
81) Benzo(a)anthracene	14.033	228	36949	4.167	ng	92
83) Chrysene	14.068	228	54374	6.642	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.010	149	10899	2.227	ng	# 85
87) Indeno(1,2,3-cd)pyrene	17.027	276	22731	2.190	ng	98
88) Benzo(b)fluoranthene	15.092	252	76238m	9.276	ng	
89) Benzo(k)fluoranthene	15.110	252	19053m	2.477	ng	
90) Benzo(a)pyrene	15.462	252	39254	5.177	ng	# 93
92) Benzo(g,h,i)perylene	17.480	276	24043	2.921	ng	# 92

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

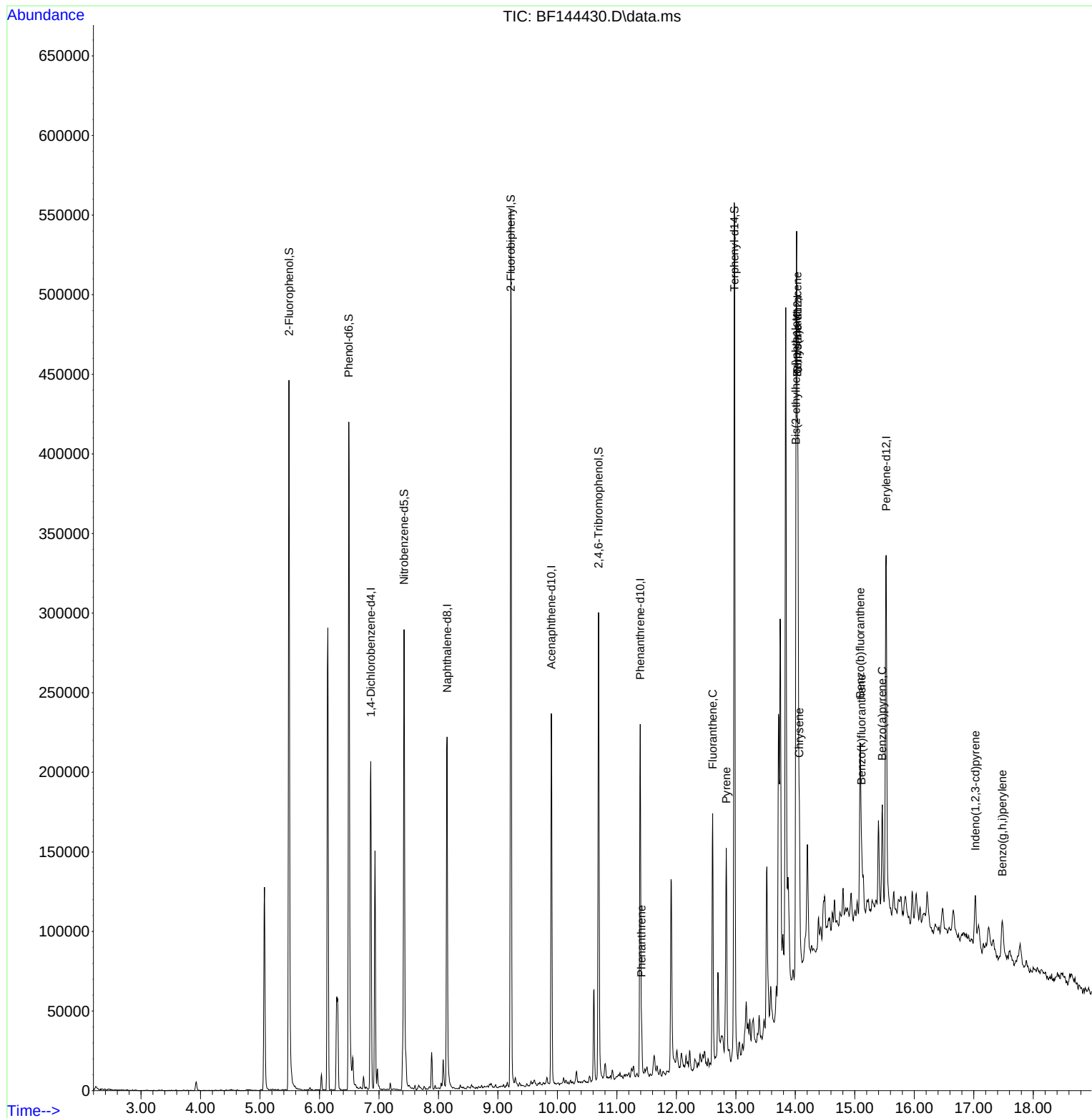
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120425\
Data File : BF144430.D
Acq On : 04 Dec 2025 15:08
Operator : RC/JU
Sample : Q3767-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

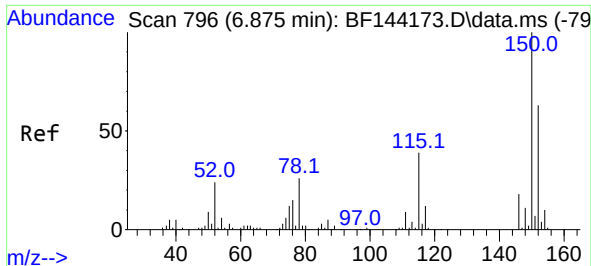
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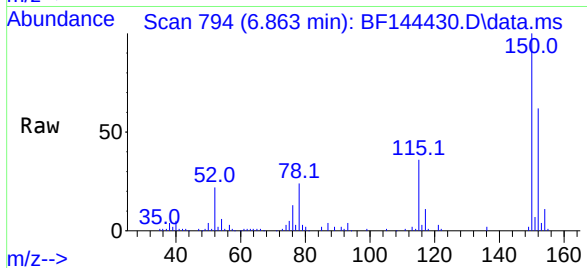
Quant Time: Dec 04 15:28:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

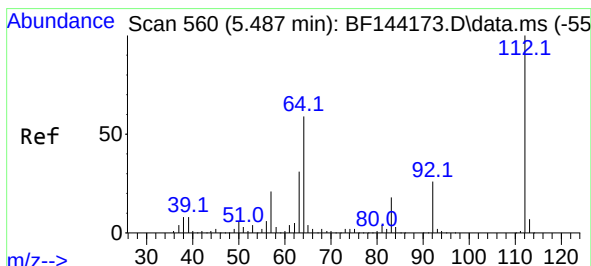
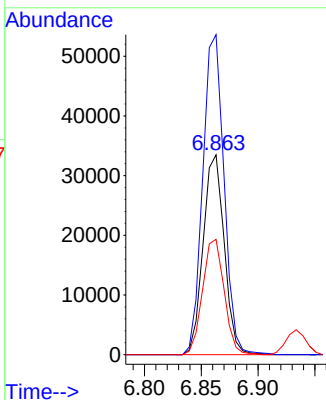
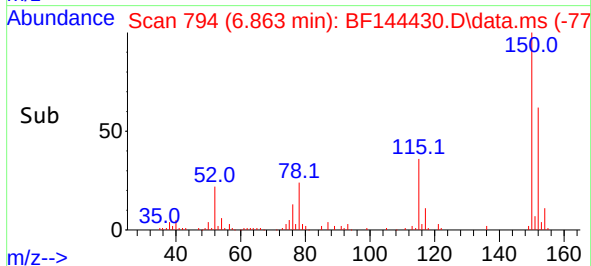
Instrument :
BNA_F
ClientSampleId :
346



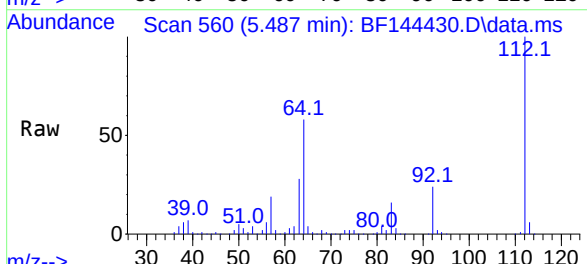
Tgt Ion:152 Resp: 43304
Ion Ratio Lower Upper
152 100
150 160.2 127.4 191.0
115 57.8 49.5 74.3

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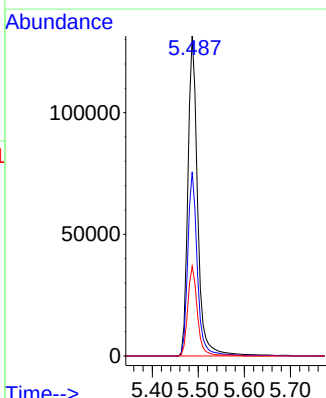
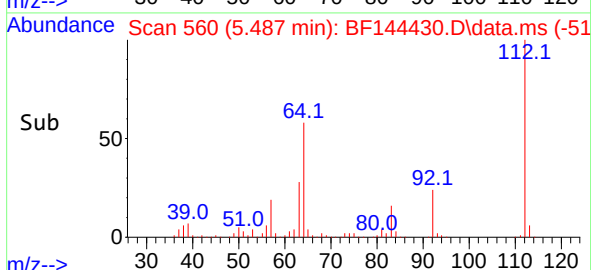
Reviewed By :Jagrut Upadhyay 12/05/2025
Supervised By :mohammad ahmed 12/09/2025

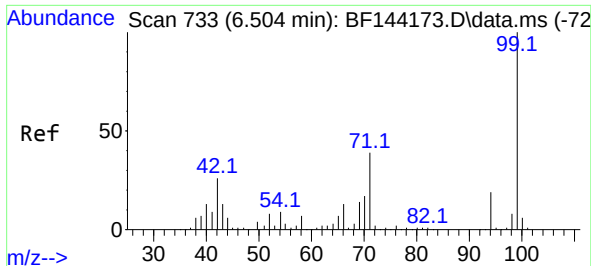


#5
2-Fluorophenol
Concen: 69.634 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08



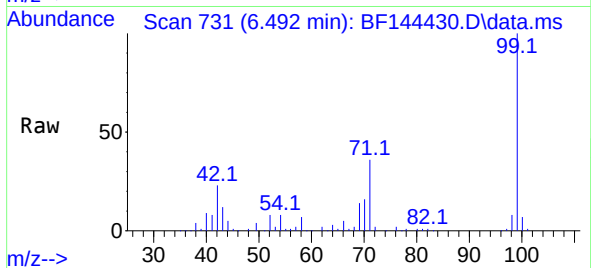
Tgt Ion:112 Resp: 192696
Ion Ratio Lower Upper
112 100
64 57.5 47.2 70.8
63 28.0 24.4 36.6





#7
Phenol-d6
Concen: 66.107 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

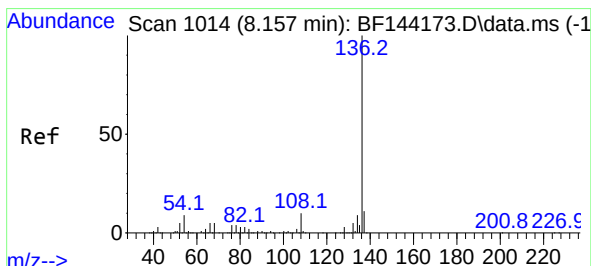
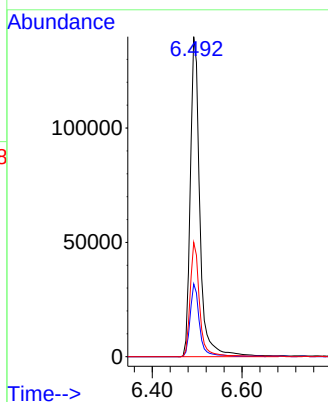
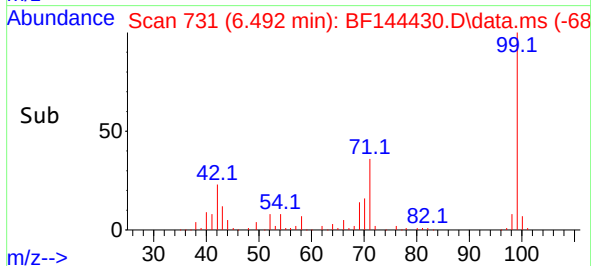
Instrument :
BNA_F
ClientSampleId :
346



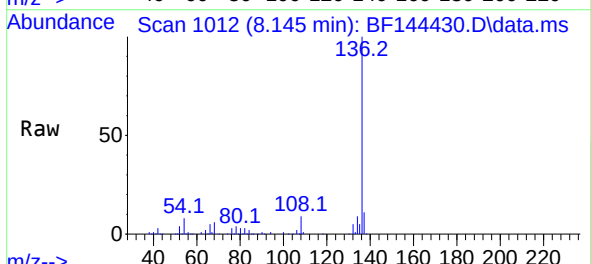
Tgt Ion: 99 Resp: 207279
Ion Ratio Lower Upper
99 100
42 22.8 20.9 31.3
71 35.7 31.4 47.2

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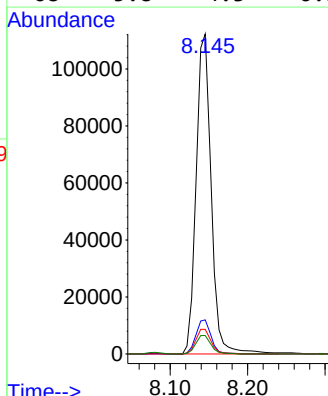
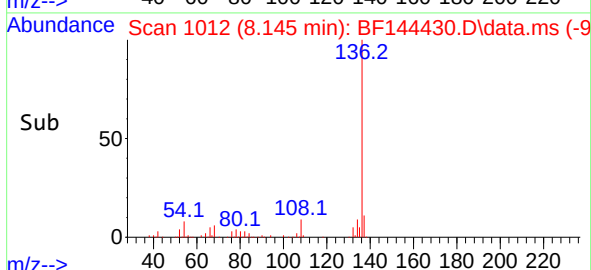
Reviewed By :Jagrut Upadhyay 12/05/2025
Supervised By :mohammad ahmed 12/09/2025

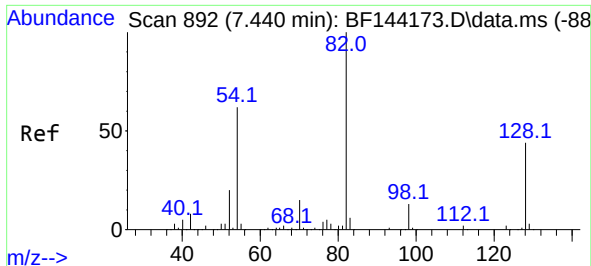


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08



Tgt Ion:136 Resp: 151188
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.7 7.0 10.6
68 5.8 4.3 6.5





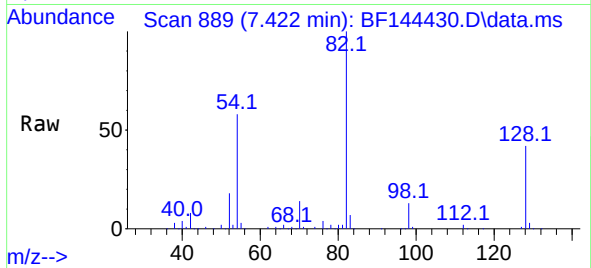
#23
Nitrobenzene-d5
Concen: 48.344 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Instrument :

BNA_F

ClientSampleId :

346

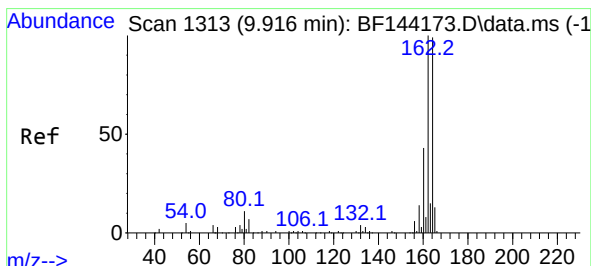
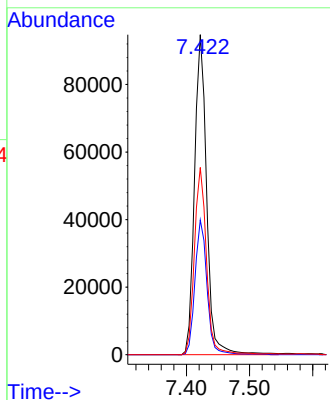
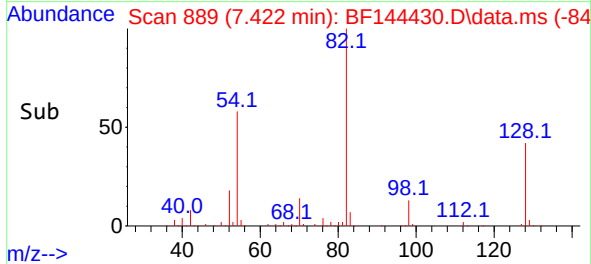


Tgt Ion: 82 Resp: 12655
Ion Ratio Lower Upper
82 100
128 42.1 34.7 52.1
54 58.5 49.5 74.3

Manual Integrations

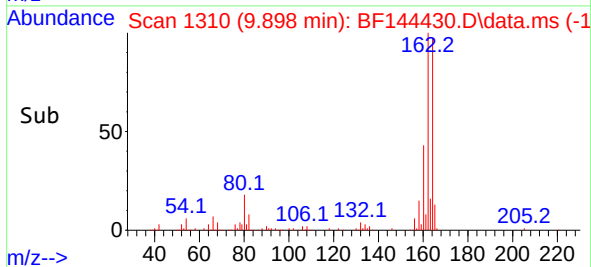
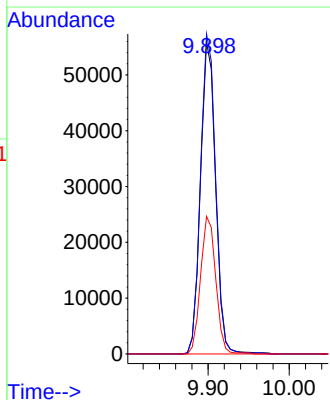
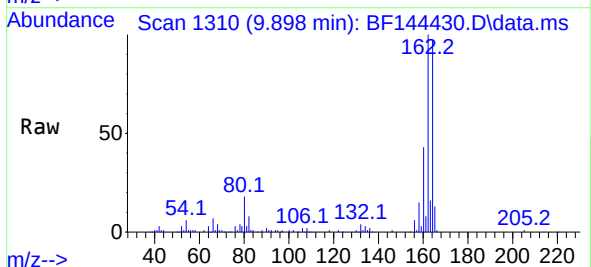
APPROVED

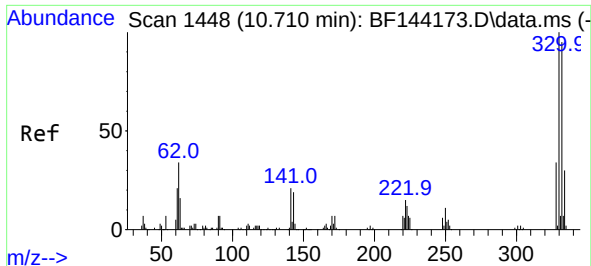
Reviewed By :Jagrut Upadhyay 12/05/2025
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

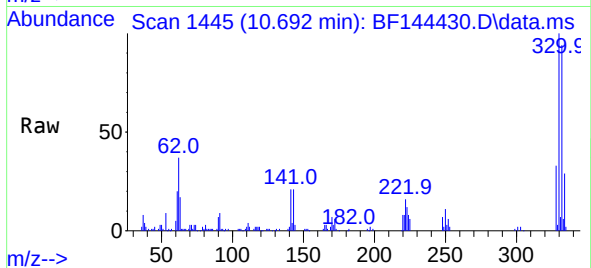
Tgt Ion:164 Resp: 72094
Ion Ratio Lower Upper
164 100
162 102.6 81.1 121.7
160 44.1 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 68.619 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

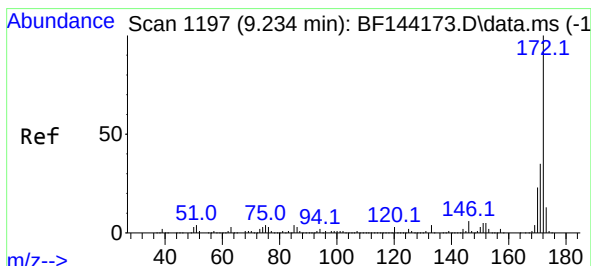
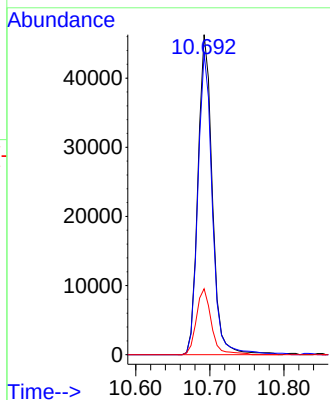
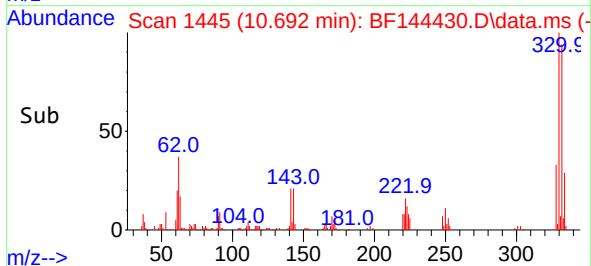
Instrument :
BNA_F
ClientSampleId :
346



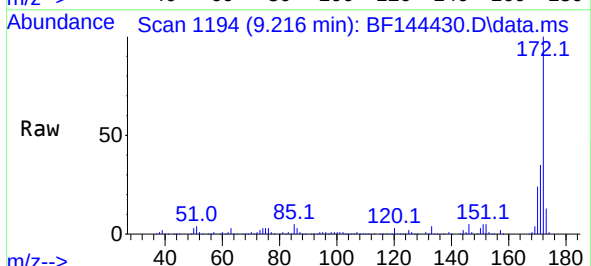
Tgt Ion: 330 Resp: 62079
Ion Ratio Lower Upper
330 100
332 94.4 76.7 115.1
141 21.6 17.8 26.8

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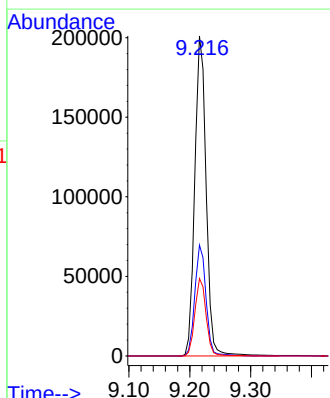
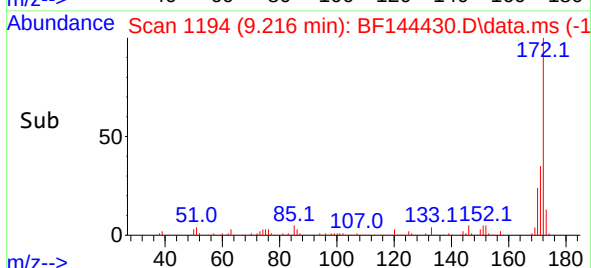
Reviewed By : Jagrut Upadhyay 12/05/2025
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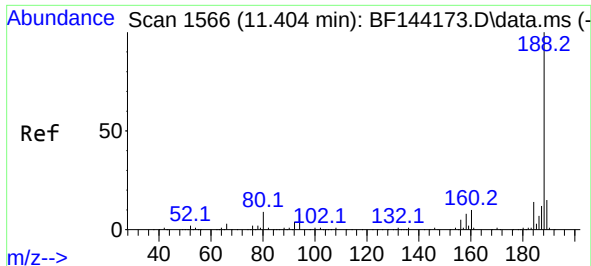


#45
2-Fluorobiphenyl
Concen: 53.605 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08



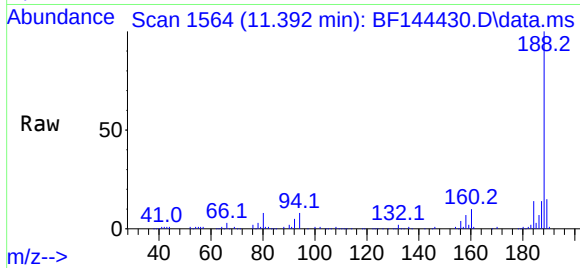
Tgt Ion: 172 Resp: 261663
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 24.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 118474
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

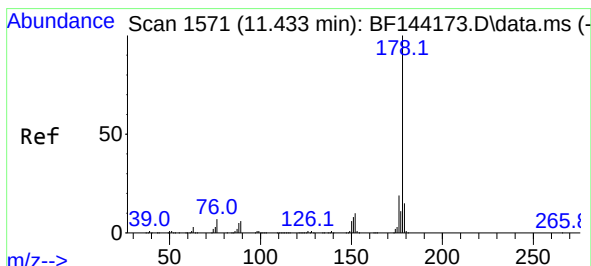
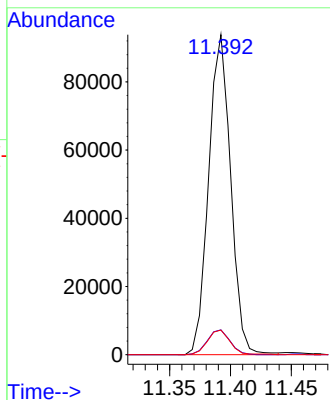
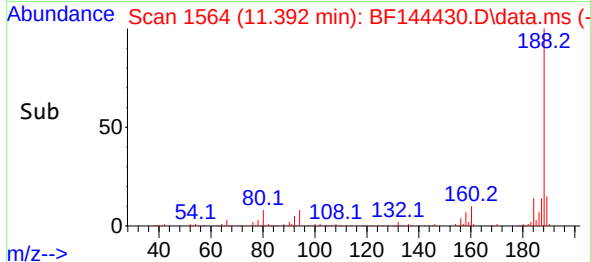
Instrument :
BNA_F
ClientSampleId :
346



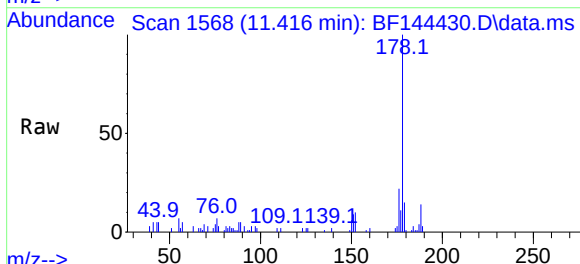
Tgt Ion:188 Resp: 118474
Ion Ratio Lower Upper
188 100
94 7.8 6.2 9.2
80 7.7 6.9 10.3

Manual Integrations
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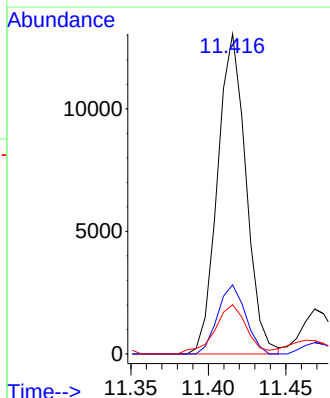
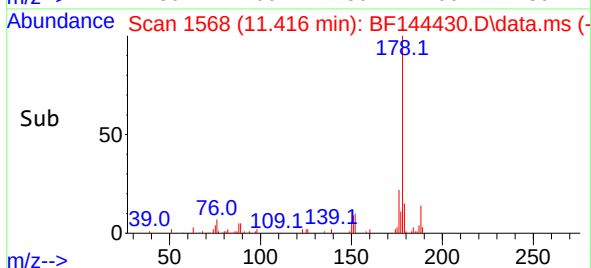
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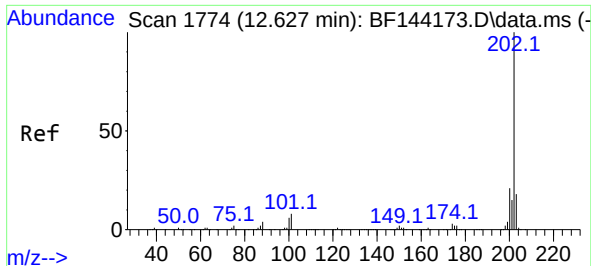


#71
Phenanthrene
Concen: 2.828 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08



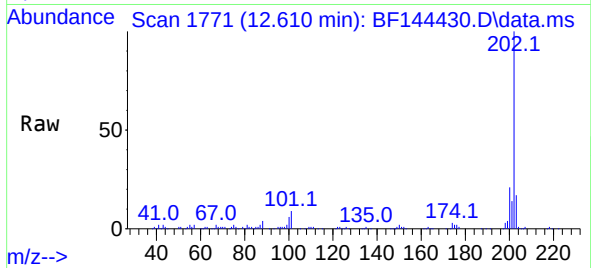
Tgt Ion:178 Resp: 16680
Ion Ratio Lower Upper
178 100
176 21.6 15.5 23.3
179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 14.668 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

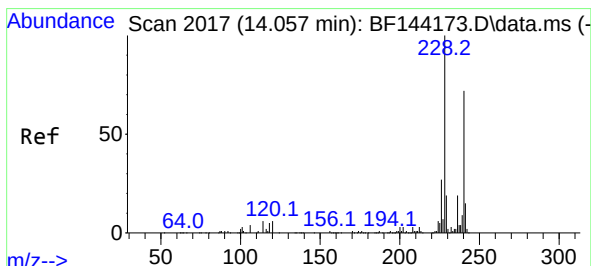
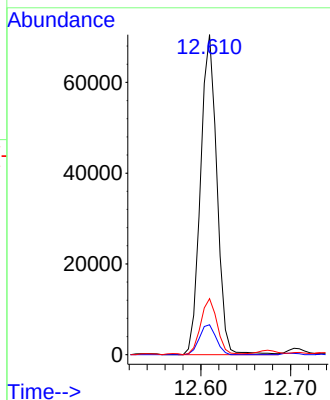
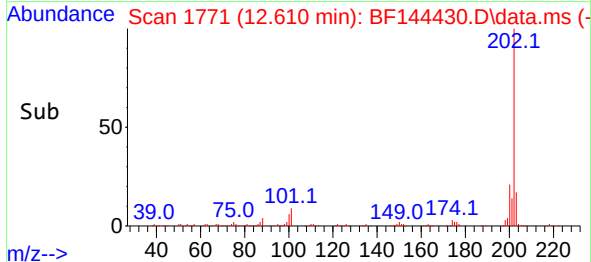
Instrument :
BNA_F
ClientSampleId :
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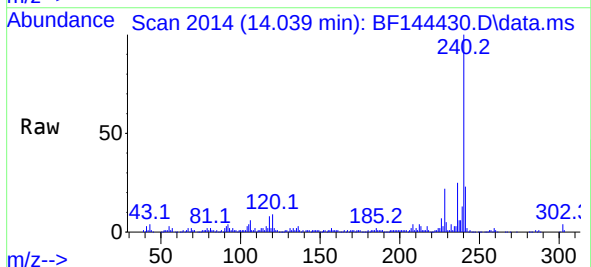
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Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.9
203 17.5 0.0 37.5

Manual Integrations
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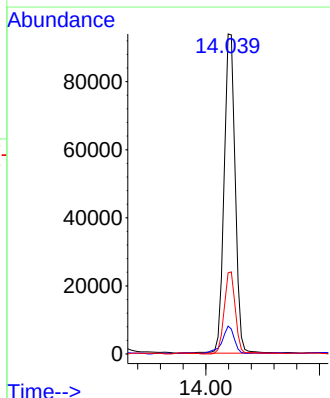
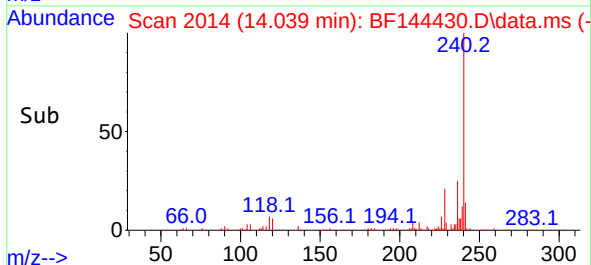
Reviewed By :Jagrut Upadhyay 12/05/2025
Supervised By :mohammad ahmed 12/09/2025

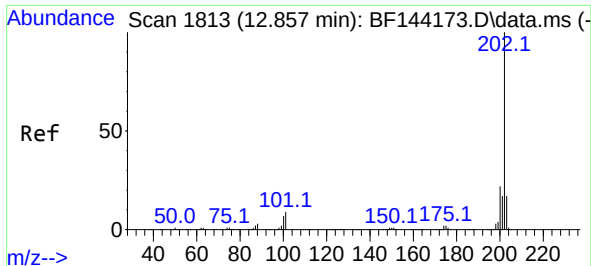


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08



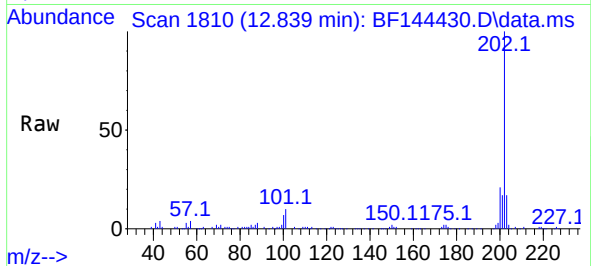
Tgt Ion:240 Resp: 127946
Ion Ratio Lower Upper
240 100
120 8.7 6.6 10.0
236 25.4 21.4 32.2





#78
Pyrene
Concen: 7.392 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

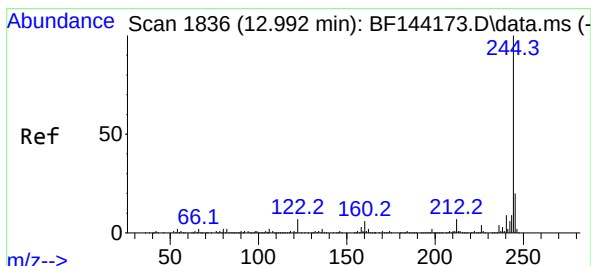
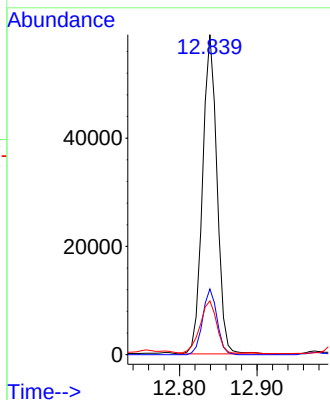
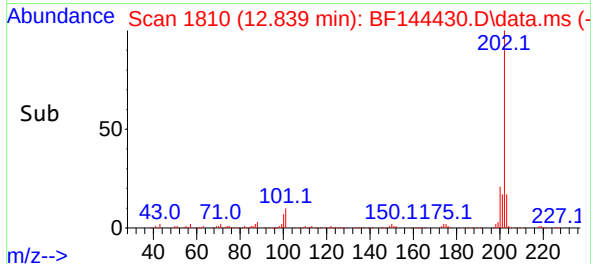
Instrument :
BNA_F
ClientSampleId :
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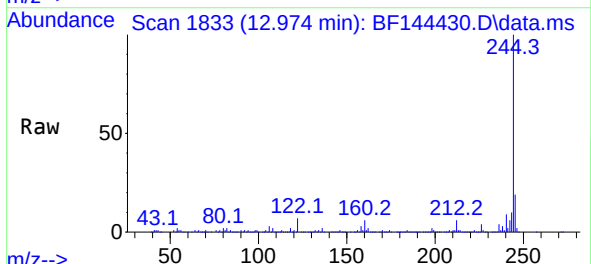
Tgt Ion:202 Resp: 7625
Ion Ratio Lower Upper
202 100
200 20.5 17.2 25.8
203 16.8 13.7 20.5

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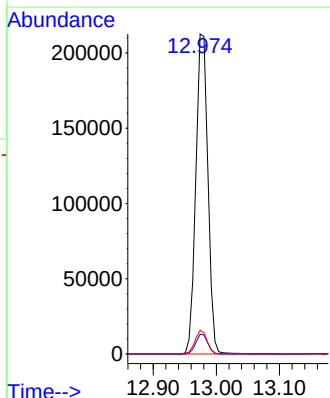
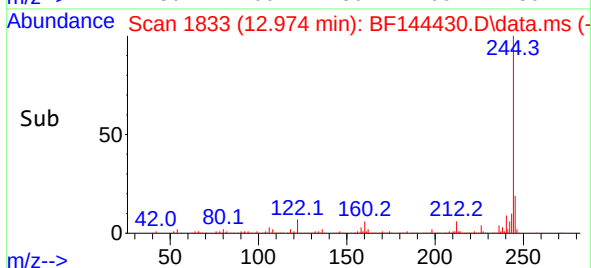
Reviewed By :Jagrut Upadhyay 12/05/2025
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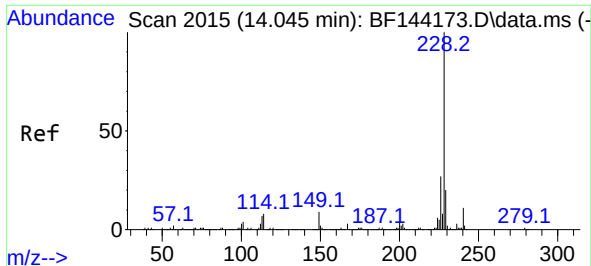


#79
Terphenyl-d14
Concen: 35.102 ng
RT: 12.974 min Scan# 1833
Delta R.T. -0.018 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08



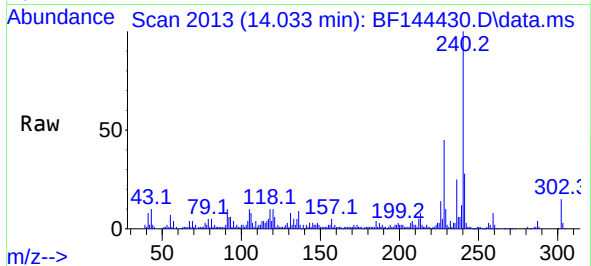
Tgt Ion:244 Resp: 282745
Ion Ratio Lower Upper
244 100
212 6.1 5.3 7.9
122 7.4 5.6 8.4





#81
Benzo(a)anthracene
Concen: 4.167 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

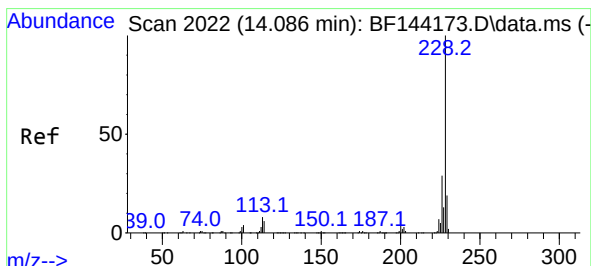
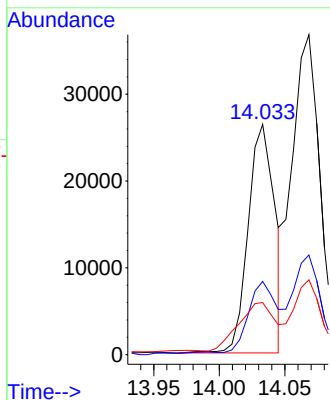
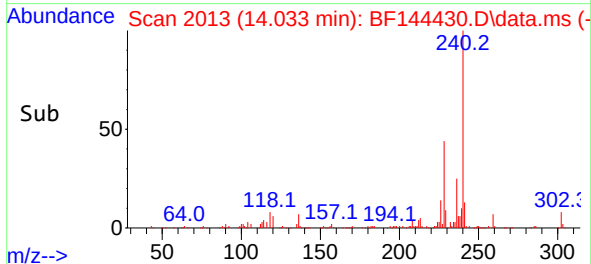
Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:228 Resp: 36949
Ion Ratio Lower Upper
228 100
226 31.8 21.8 32.8
229 22.6 15.8 23.6

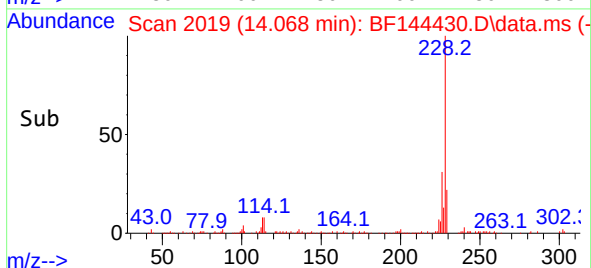
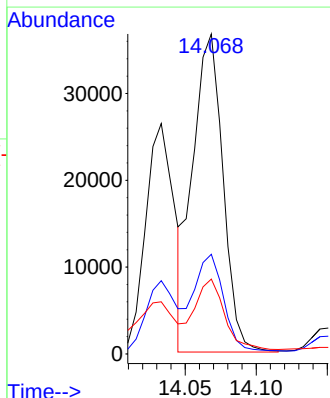
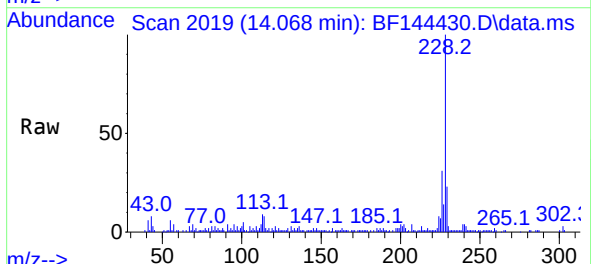
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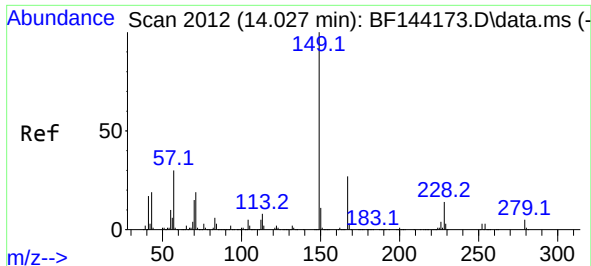
Reviewed By :Jagrut Upadhyay 12/05/2025
Supervised By :mohammad ahmed 12/09/2025



#83
Chrysene
Concen: 6.642 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

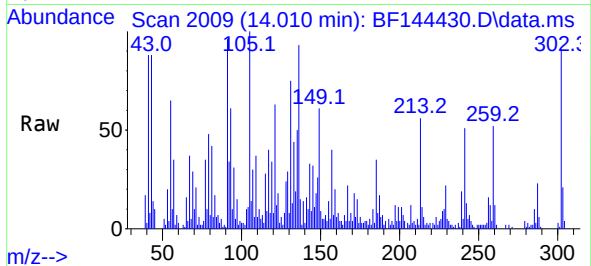
Tgt Ion:228 Resp: 54374
Ion Ratio Lower Upper
228 100
226 31.1 22.9 34.3
229 23.4 15.0 22.6#





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.227 ng
RT: 14.010 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

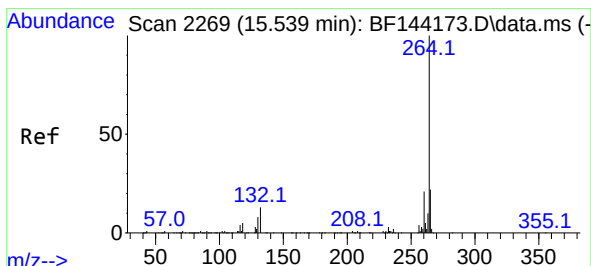
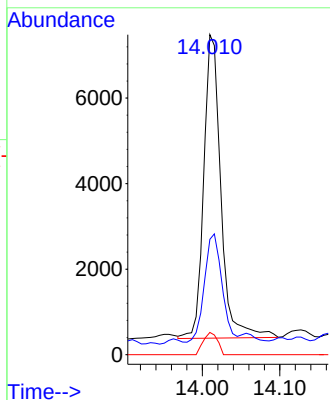
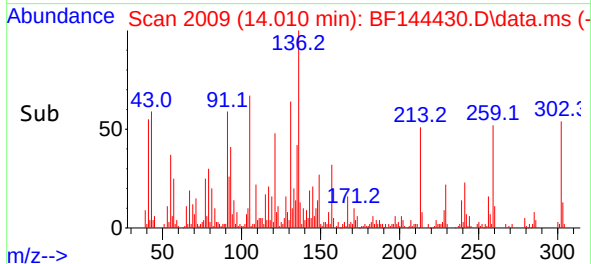
Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:149 Resp: 1089
Ion Ratio Lower Upper
149 100
167 36.1 21.8 32.8
279 7.0 3.7 5.5

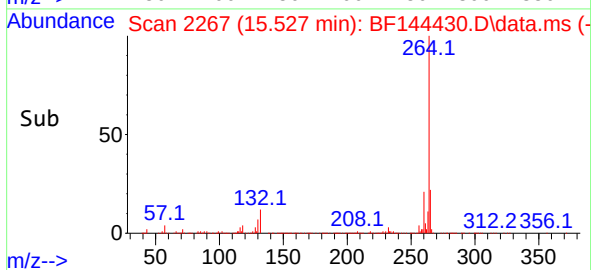
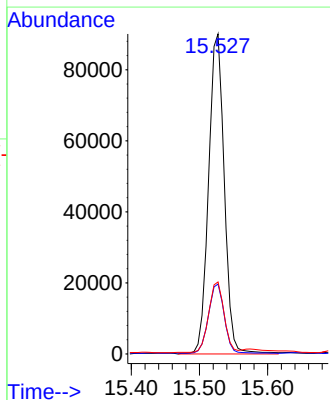
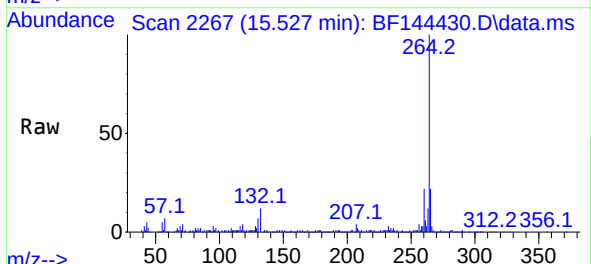
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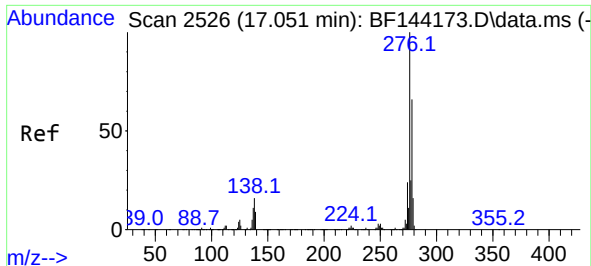
Reviewed By :Jagrut Upadhyay 12/05/2025
Supervised By :mohammad ahmed 12/09/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:264 Resp: 144563
Ion Ratio Lower Upper
264 100
260 21.8 17.1 25.7
265 22.5 17.4 26.0





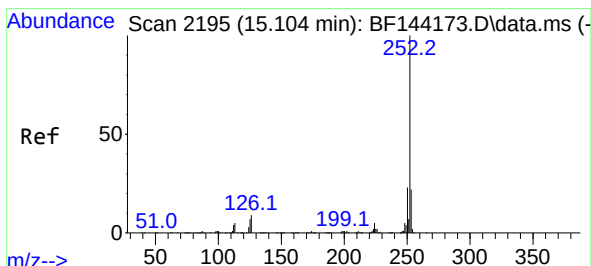
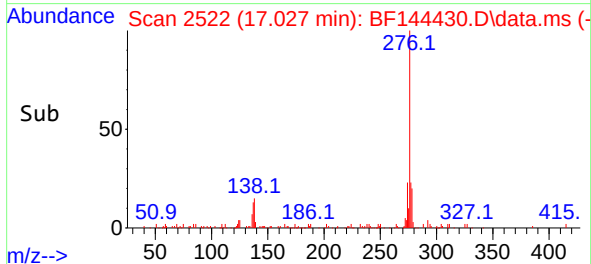
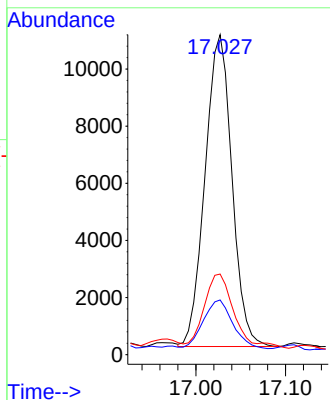
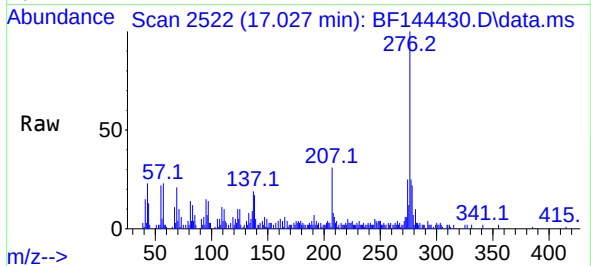
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.190 ng
RT: 17.027 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Instrument :
BNA_F
ClientSampleId :
346

Tgt Ion:276 Resp: 2273
Ion Ratio Lower Upper
276 100
138 17.0 13.9 20.9
277 26.4 19.8 29.6

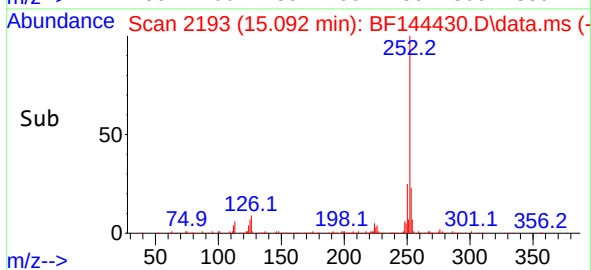
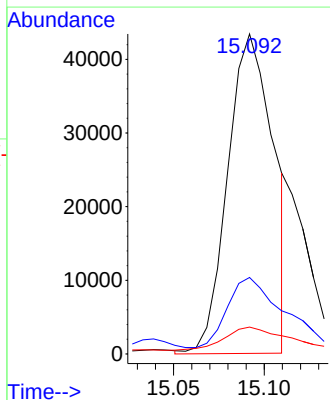
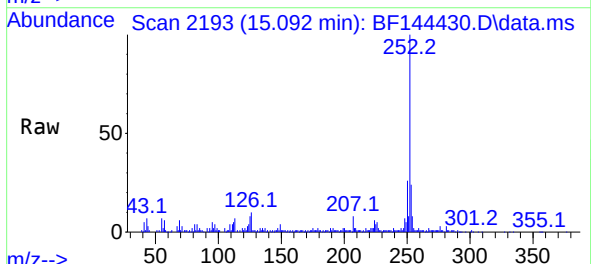
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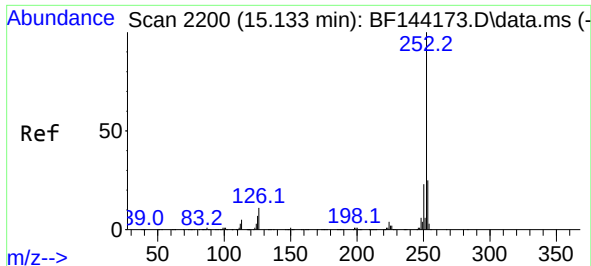
Reviewed By :Jagrut Upadhyay 12/05/2025
Supervised By :mohammad ahmed 12/09/2025



#88
Benzo(b)fluoranthene
Concen: 9.276 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Tgt Ion:252 Resp: 76238
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 8.4 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 2.477 ng m

RT: 15.110 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF144430.D

Acq: 04 Dec 2025 15:08

Instrument :

BNA_F

ClientSampleId :

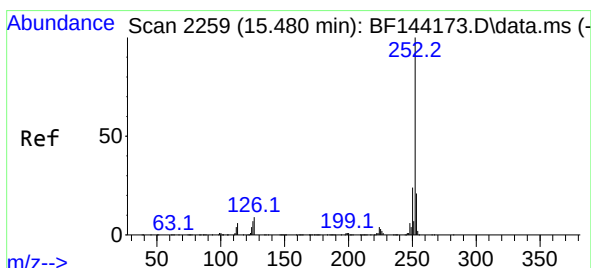
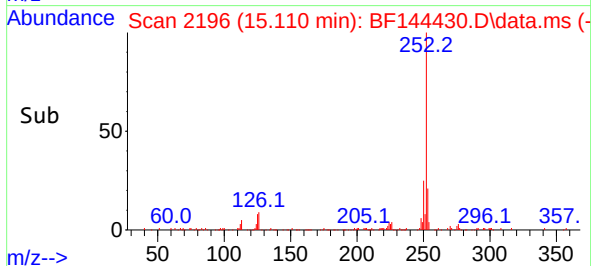
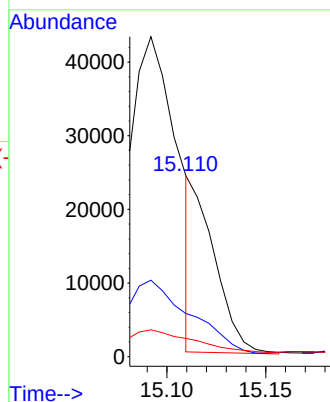
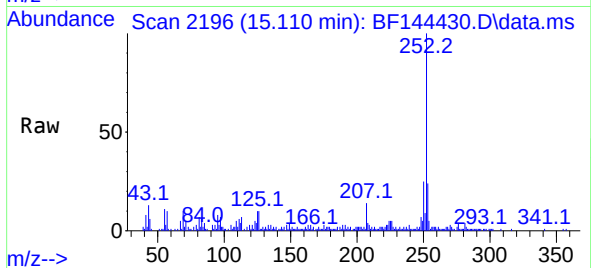
346

Tgt Ion:	252	Resp:	1905
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	10.1	5.4	8.2

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Reviewed By :Jagrut Upadhyay 12/05/2025
Supervised By :mohammad ahmed 12/09/2025



#90

Benzo(a)pyrene

Concen: 5.177 ng

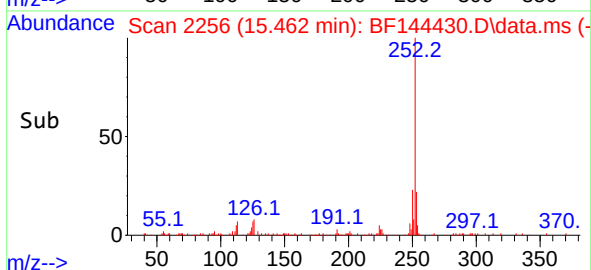
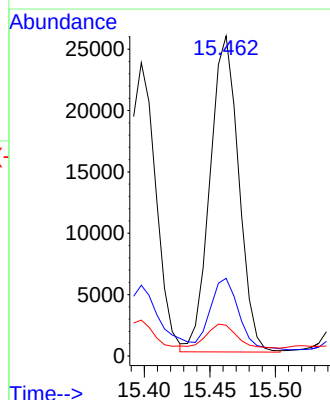
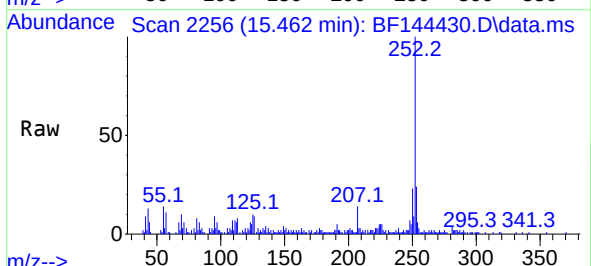
RT: 15.462 min Scan# 2256

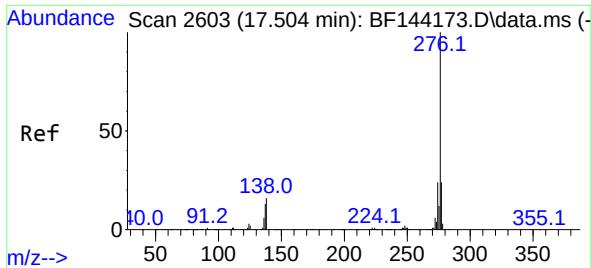
Delta R.T. -0.012 min

Lab File: BF144430.D

Acq: 04 Dec 2025 15:08

Tgt Ion:	252	Resp:	39254
Ion Ratio	Lower	Upper	
252	100		
253	24.3	16.7	25.1
125	9.6	5.7	8.5





#92
Benzo(g,h,i)perylene
Concen: 2.921 ng
RT: 17.480 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144430.D
Acq: 04 Dec 2025 15:08

Instrument :
BNA_F
ClientSampleId :
346

Tgt Ion:276 Resp: 2404
Ion Ratio Lower Upper
276 100
277 26.6 19.0 28.4
138 20.5 12.9 19.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/05/2025
Supervised By :mohammad ahmed 12/09/2025

