

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141600.D
 Acq On : 12 Feb 2025 19:38
 Operator : RC/JU
 Sample : Q1343-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025

Quant Time: Feb 12 22:00:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	82994	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	330690	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	176741	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	285356	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	170029	20.000	ng	-0.02
86) Perylene-d12	15.410	264	166004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	525430	99.253	ng	0.00
7) Phenol-d6	6.422	99	640627	95.745	ng	-0.02
23) Nitrobenzene-d5	7.345	82	421932	66.549	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	159364	89.760	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	712193	62.082	ng	-0.01
79) Terphenyl-d14	12.892	244	582578	57.843	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.328	178	108451	6.904	ng	99
75) Fluoranthene	12.516	202	185216	11.122	ng	99
78) Pyrene	12.745	202	153809	10.627	ng	99
81) Benzo(a)anthracene	13.939	228	82446	7.295	ng	99
83) Chrysene	13.974	228	66057	6.330	ng	98
84) Bis(2-ethylhexyl)phtha...	13.927	149	32381	5.727	ng	99
87) Indeno(1,2,3-cd)pyrene	16.845	276	28087	2.738	ng	97
88) Benzo(b)fluoranthene	14.992	252	93465m	8.385	ng	
89) Benzo(k)fluoranthene	15.010	252	28864m	3.033	ng	
90) Benzo(a)pyrene	15.351	252	57730	6.401	ng	95
92) Benzo(g,h,i)perylene	17.280	276	24929	2.866	ng	95

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

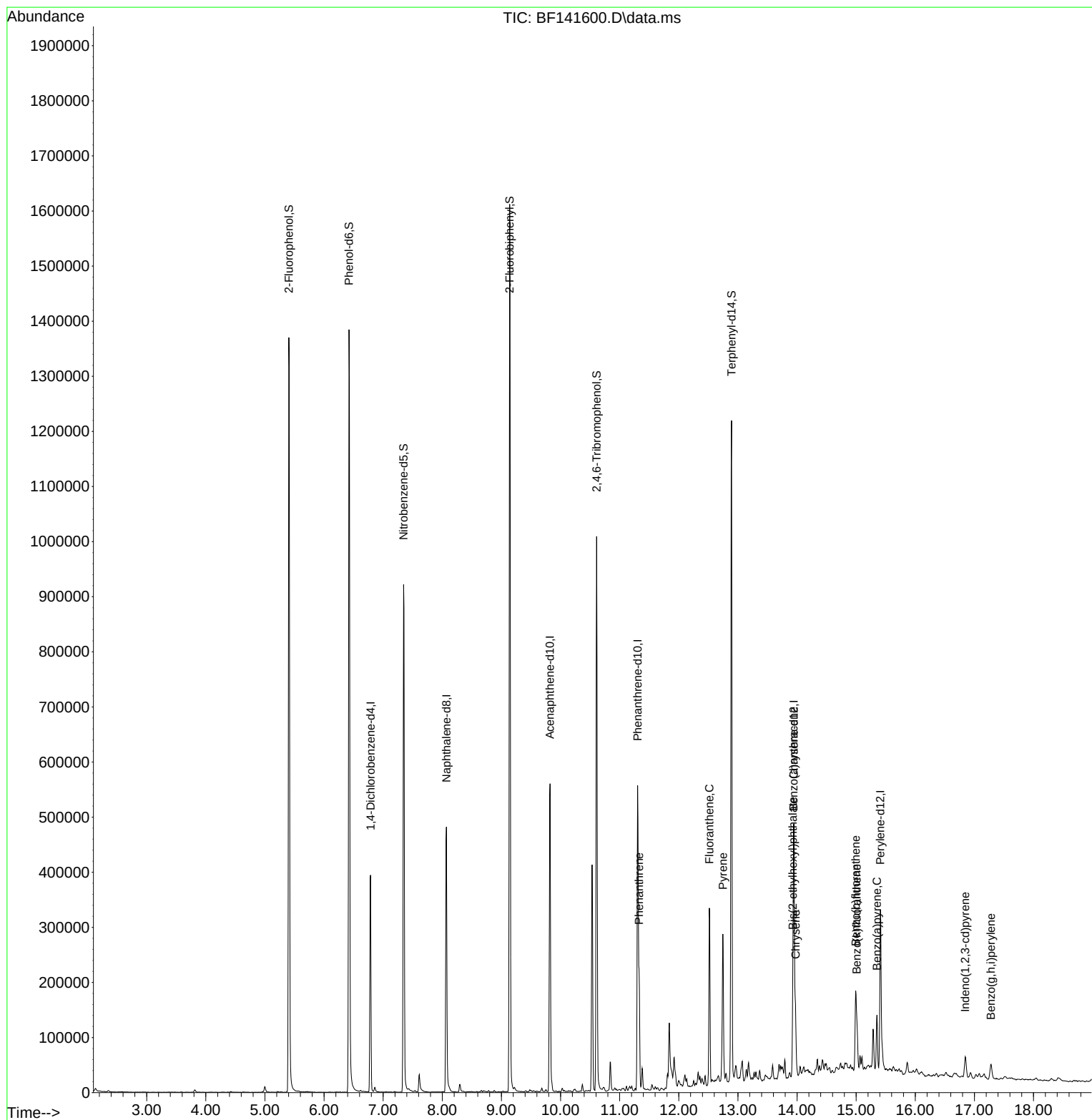
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
Data File : BF141600.D
Acq On : 12 Feb 2025 19:38
Operator : RC/JU
Sample : Q1343-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

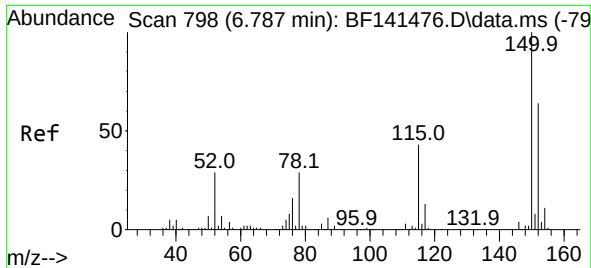
Instrument :
BNA_F
ClientSampleId :
WC-7

Quant Time: Feb 12 22:00:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
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Manual Integrations
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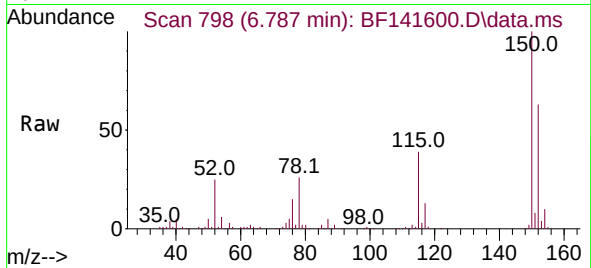
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

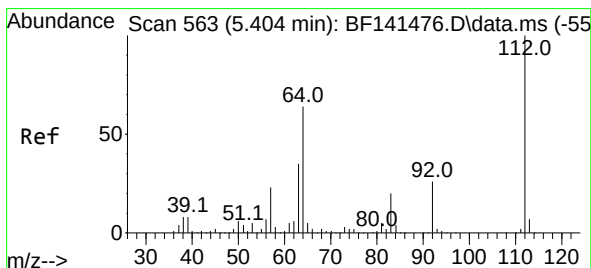
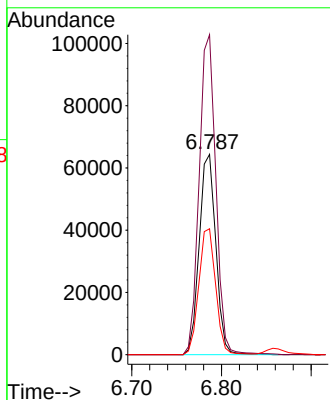
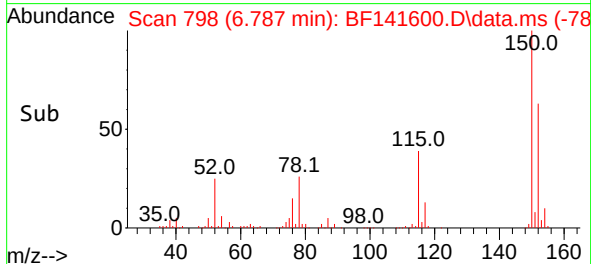
Instrument :
BNA_F
ClientSampleId :
WC-7



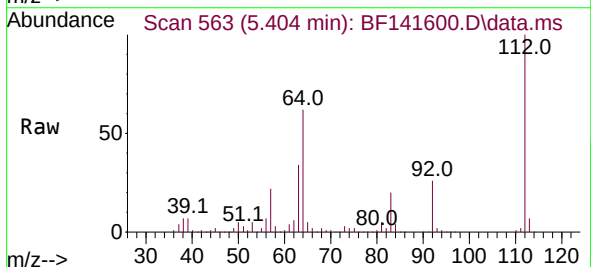
Tgt Ion:152 Resp: 82994
Ion Ratio Lower Upper
152 100
150 159.7 125.0 187.4
115 62.8 53.6 80.4

Manual Integrations
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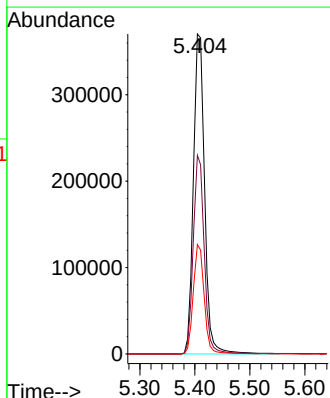
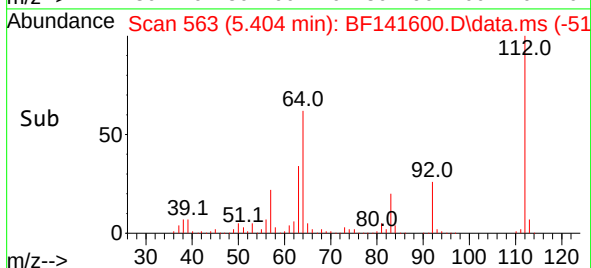
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

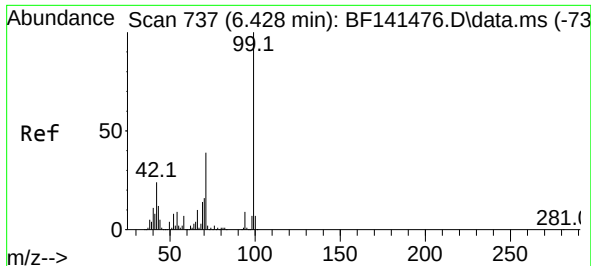


#5
2-Fluorophenol
Concen: 99.253 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38



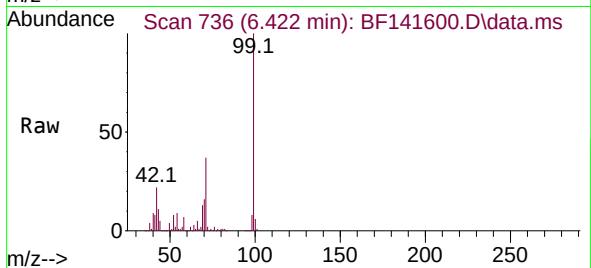
Tgt Ion:112 Resp: 525430
Ion Ratio Lower Upper
112 100
64 62.1 51.1 76.7
63 34.2 28.4 42.6





#7
Phenol-d6
Concen: 95.745 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

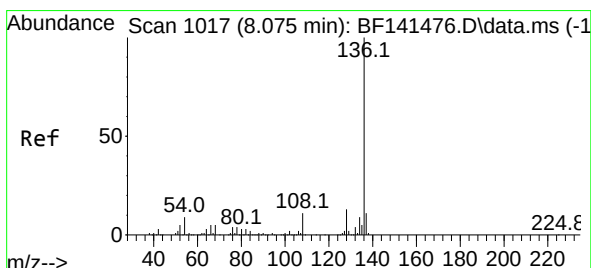
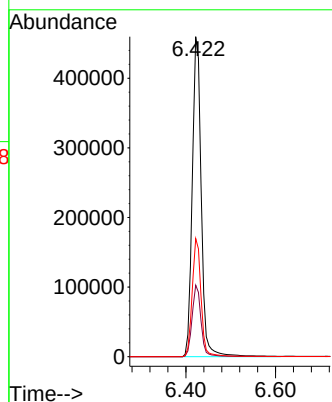
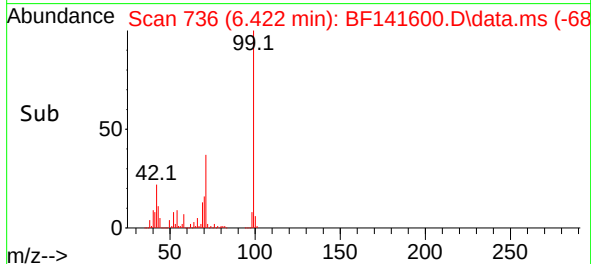
Instrument :
BNA_F
ClientSampleId :
WC-7



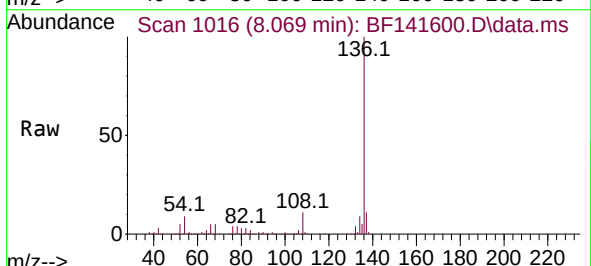
Tgt Ion: 99 Resp: 64062
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 36.9 31.1 46.7

Manual Integrations
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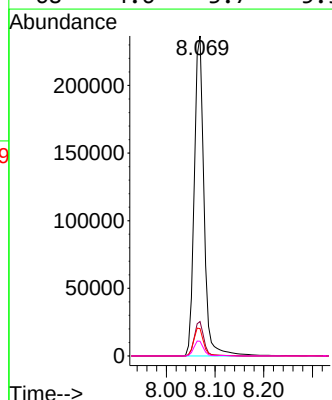
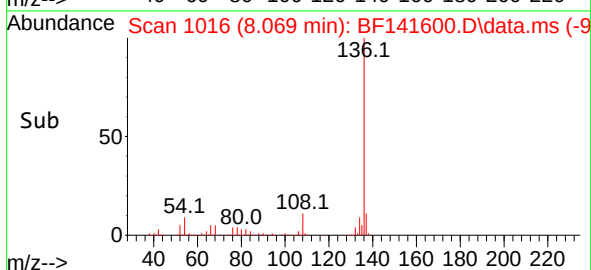
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

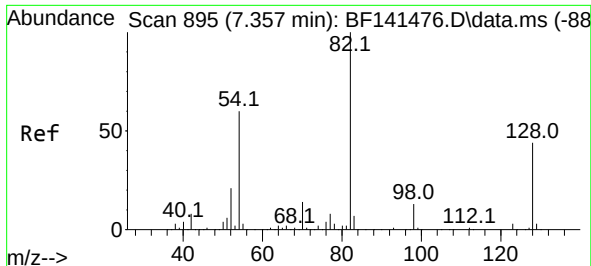


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38



Tgt Ion:136 Resp: 330690
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 7.2 10.8
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 66.549 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

Instrument :

BNA_F

ClientSampleId :

WC-7

Tgt Ion: 82 Resp: 42193

Ion Ratio Lower Upper

82 100

128 42.6 34.8 52.2

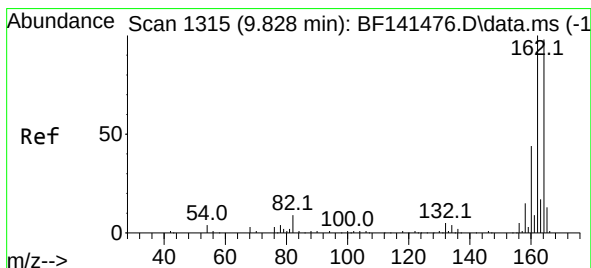
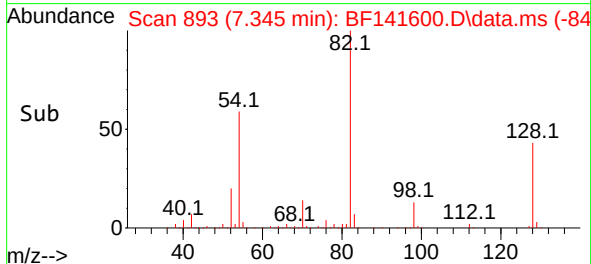
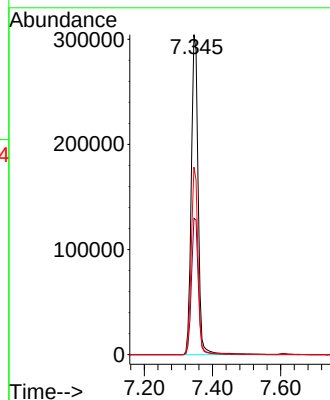
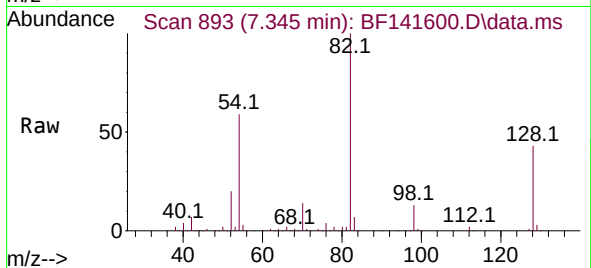
54 58.6 48.2 72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

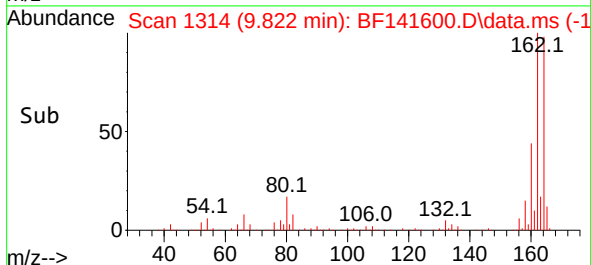
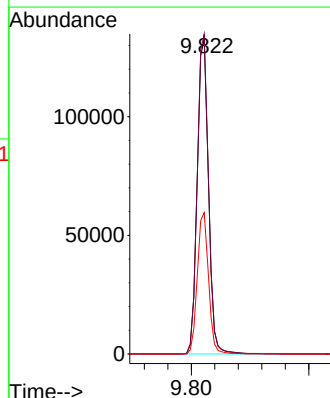
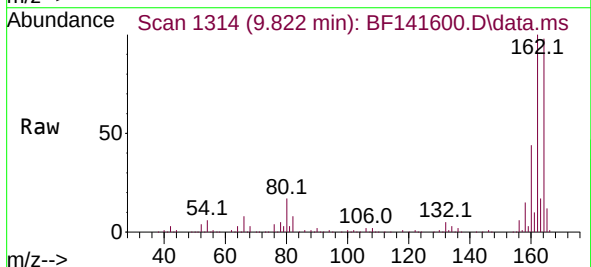
Tgt Ion:164 Resp: 176741

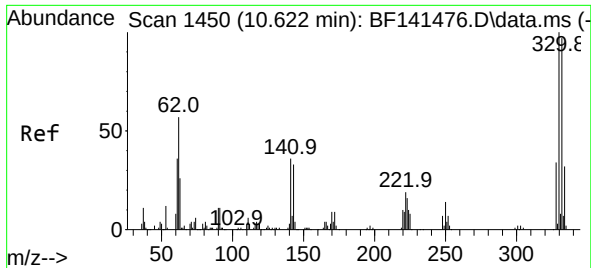
Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

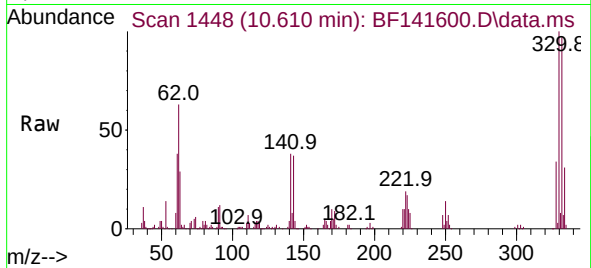
160 45.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 89.760 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

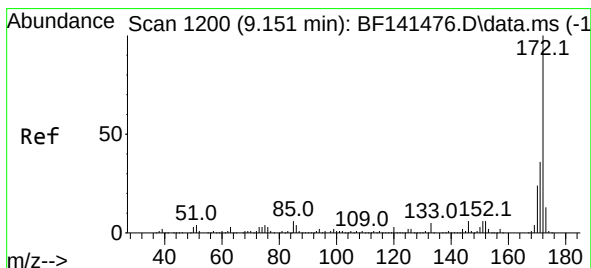
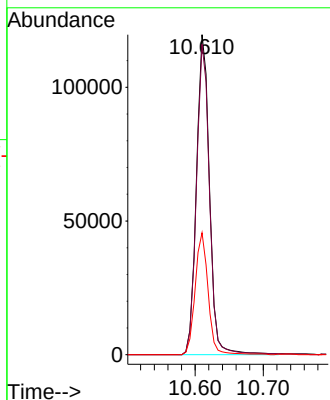
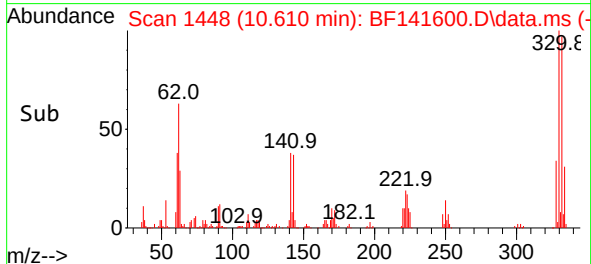
Instrument :
BNA_F
ClientSampleId :
WC-7



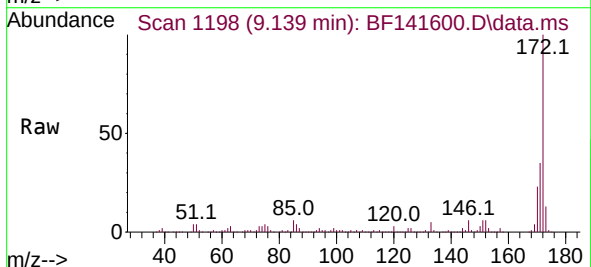
Tgt Ion: 330 Resp: 159364
Ion Ratio Lower Upper
330 100
332 97.4 78.5 117.7
141 37.8 31.0 46.4

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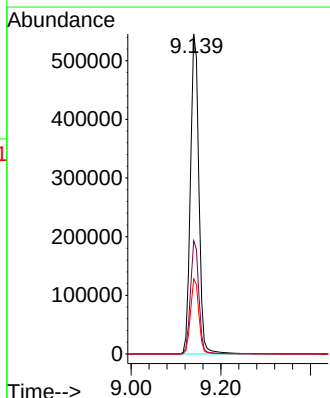
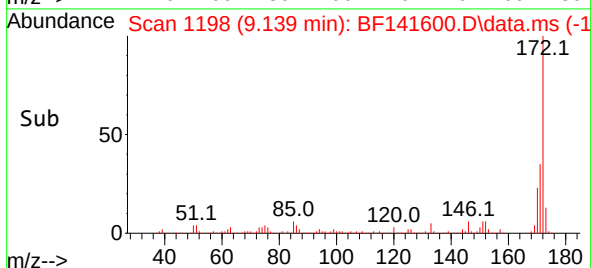
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

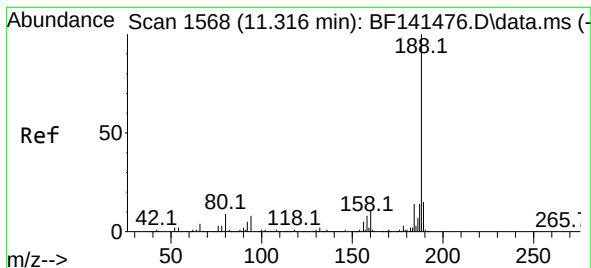


#45
2-Fluorobiphenyl
Concen: 62.082 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38



Tgt Ion: 172 Resp: 712193
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.4 18.9 28.3





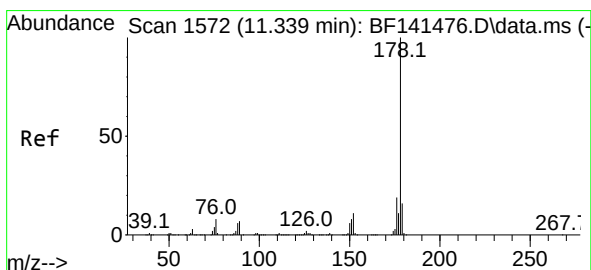
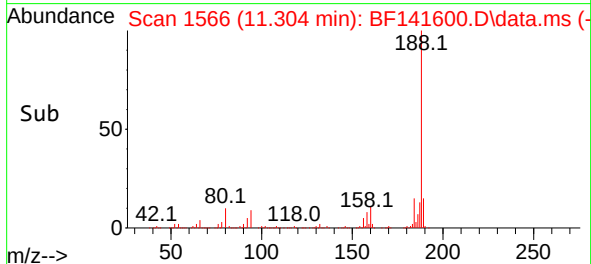
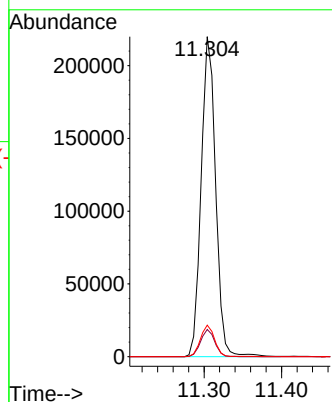
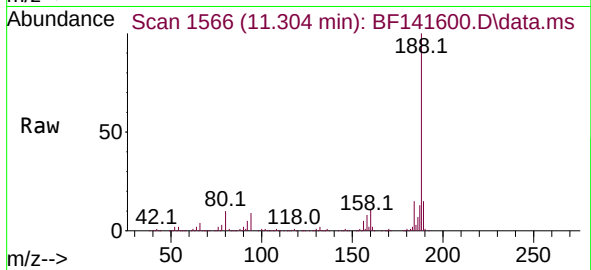
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Instrument :
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ClientSampleId :
WC-7

Tgt Ion:188 Resp: 285350
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.8 7.3 10.9

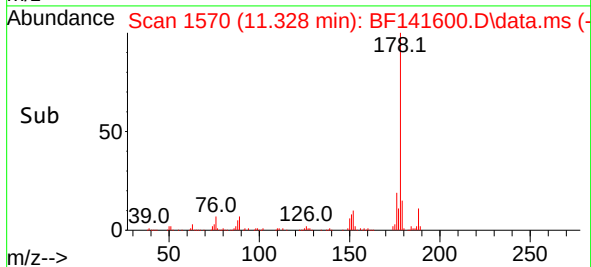
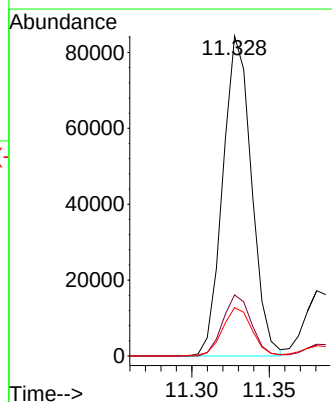
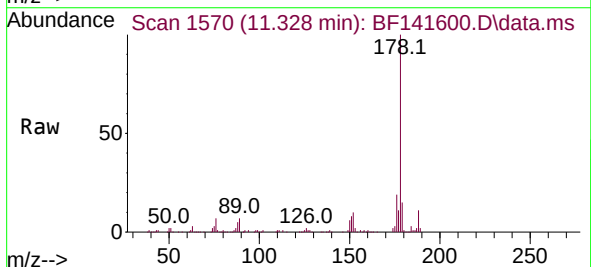
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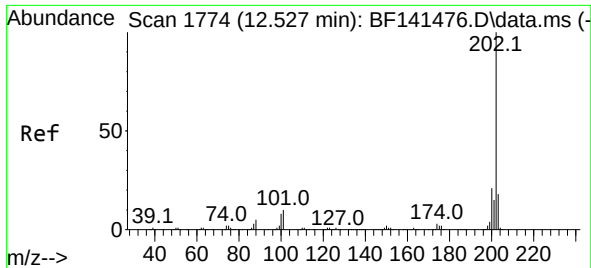
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#71
Phenanthrene
Concen: 6.904 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

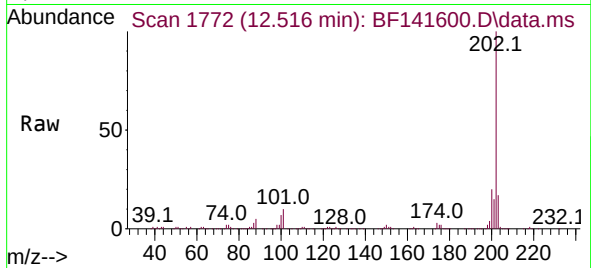
Tgt Ion:178 Resp: 108451
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.1 12.4 18.6





#75
Fluoranthene
Concen: 11.122 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

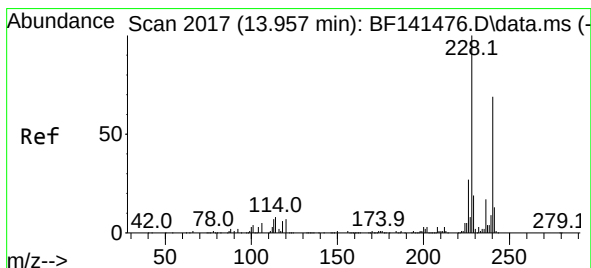
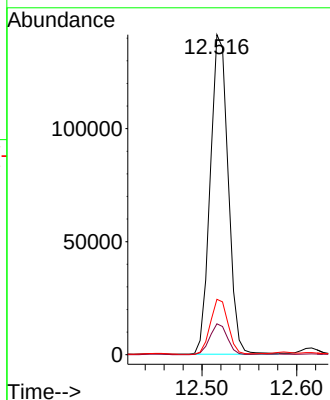
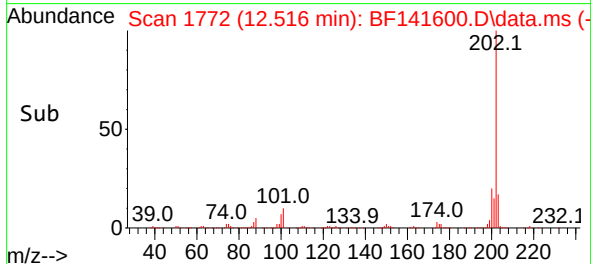
Instrument :
BNA_F
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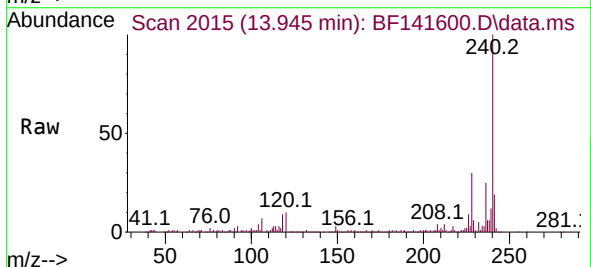
Tgt Ion:202 Resp: 185210
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.2
203 17.3 0.0 37.6

Manual Integrations
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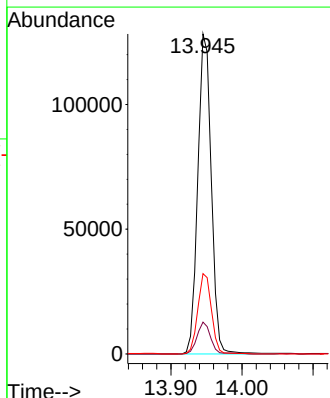
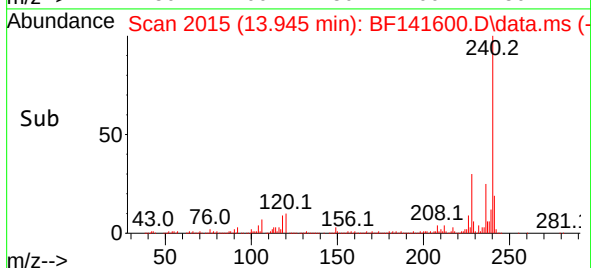
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

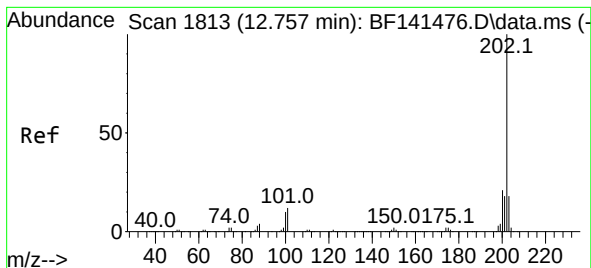


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38



Tgt Ion:240 Resp: 170029
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.1 19.8 29.8





#78

Pyrene

Concen: 10.627 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.017 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

Instrument :

BNA_F

ClientSampleId :

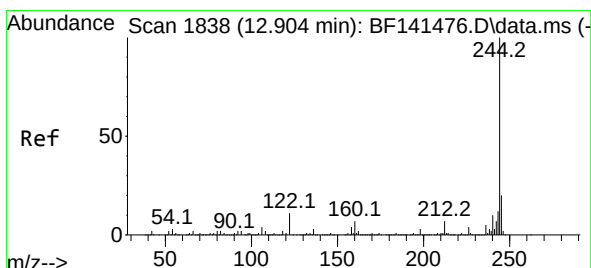
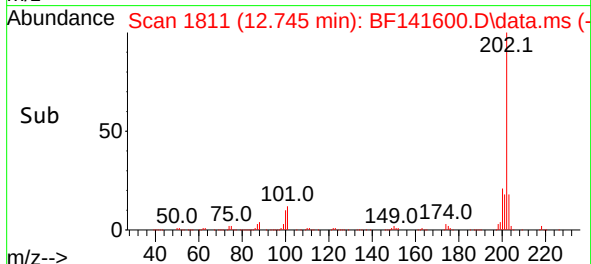
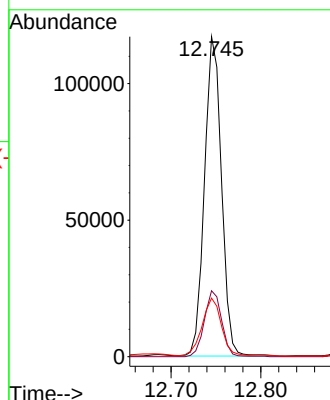
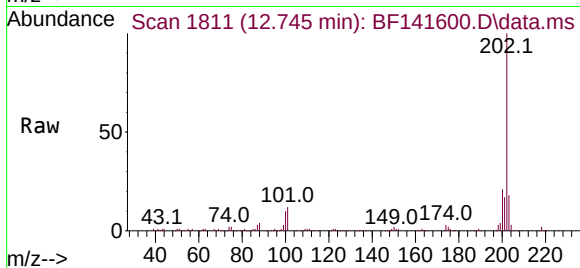
WC-7

Tgt Ion:	202	Resp:	153809
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.0	25.4
203	18.3	14.3	21.5

Manual Integrations

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#79

Terphenyl-d14

Concen: 57.843 ng

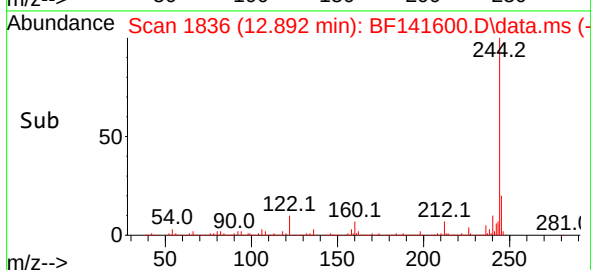
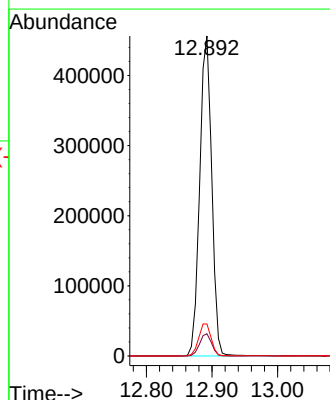
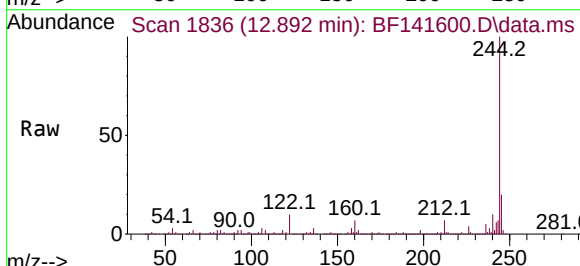
RT: 12.892 min Scan# 1836

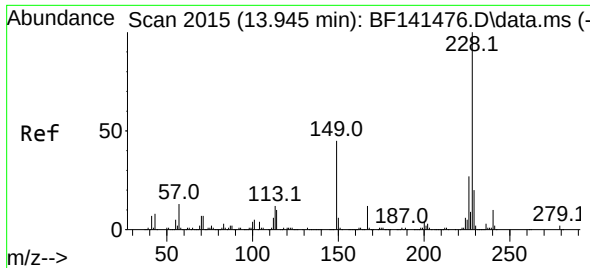
Delta R.T. -0.012 min

Lab File: BF141600.D

Acq: 12 Feb 2025 19:38

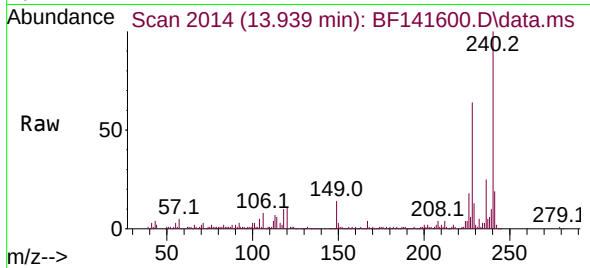
Tgt Ion:	244	Resp:	582578
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.6	8.4
122	10.0	8.4	12.6





#81
Benzo(a)anthracene
Concen: 7.295 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

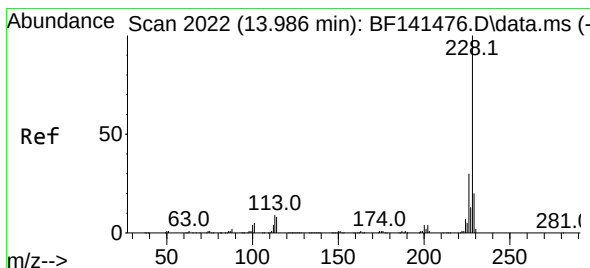
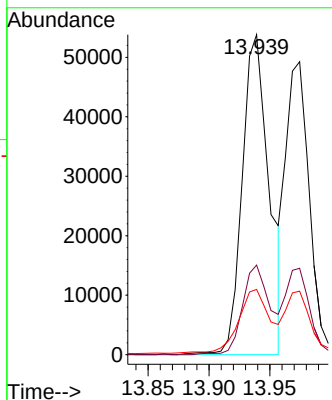
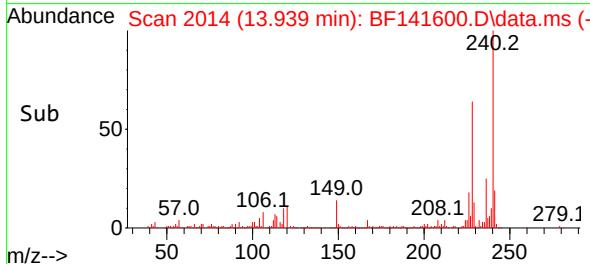
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:228 Resp: 82440
Ion Ratio Lower Upper
228 100
226 28.0 21.8 32.8
229 20.4 15.8 23.6

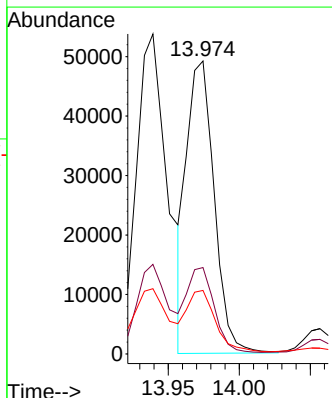
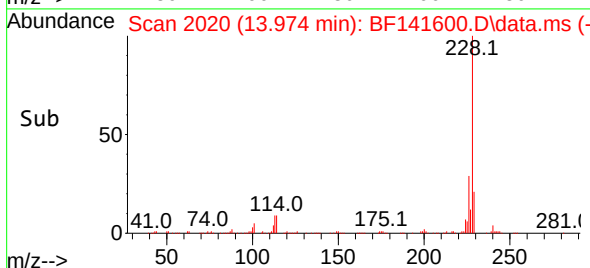
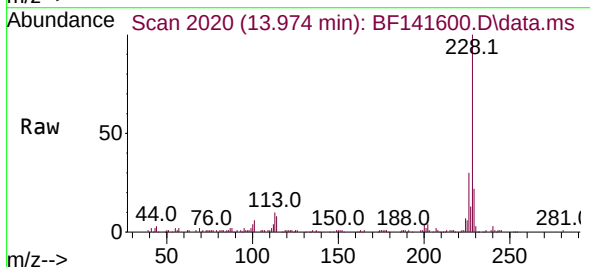
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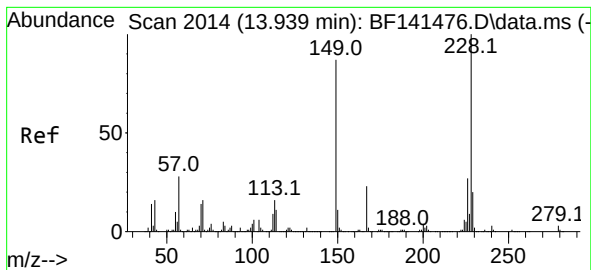
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#83
Chrysene
Concen: 6.330 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.017 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

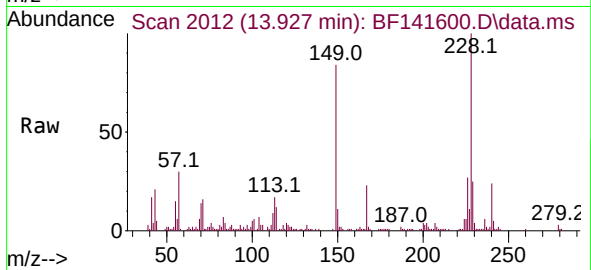
Tgt Ion:228 Resp: 66057
Ion Ratio Lower Upper
228 100
226 29.5 24.0 36.0
229 21.7 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.727 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

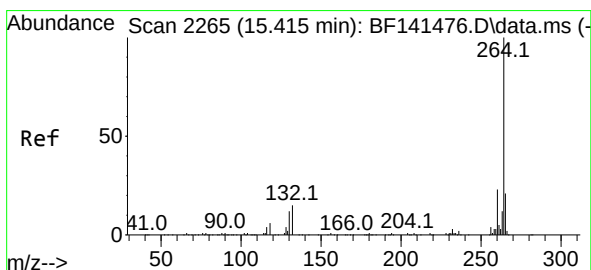
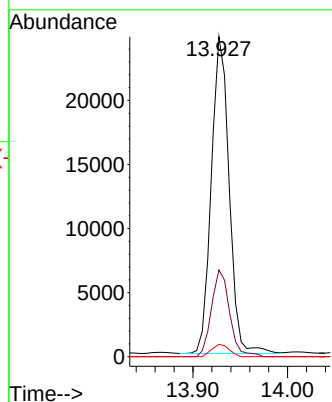
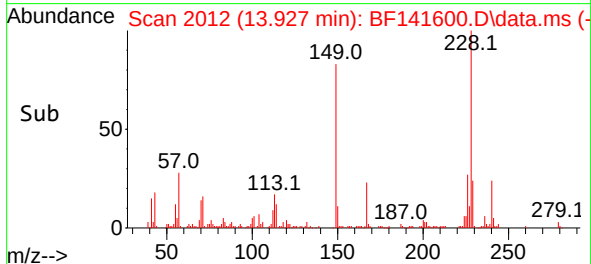
Instrument :
BNA_F
ClientSampleId :
WC-7



Tgt Ion:149 Resp: 3238
Ion Ratio Lower Upper
149 100
167 27.1 21.4 32.0
279 3.8 3.1 4.7

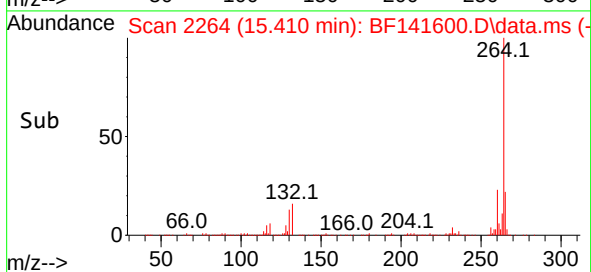
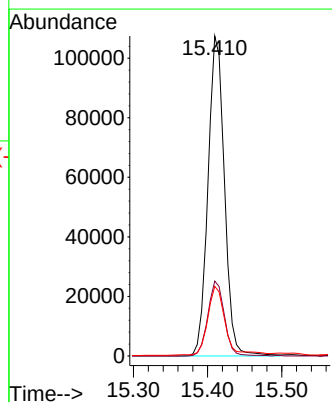
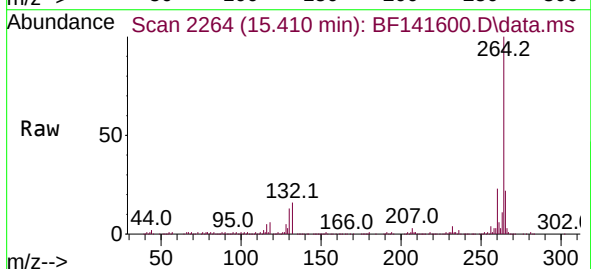
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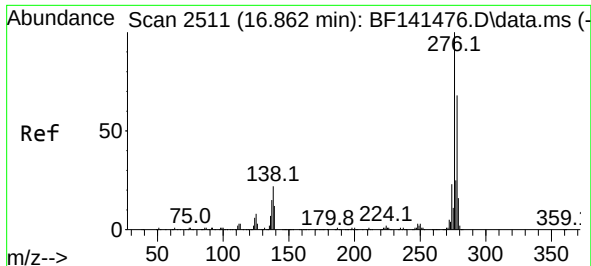
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion:264 Resp: 166004
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.8 17.0 25.4





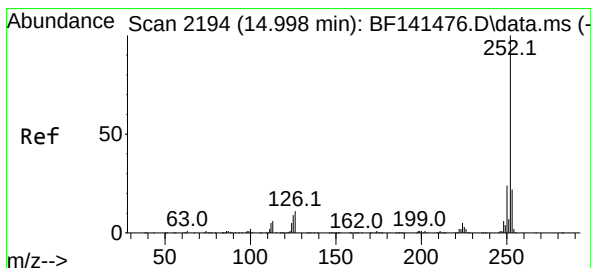
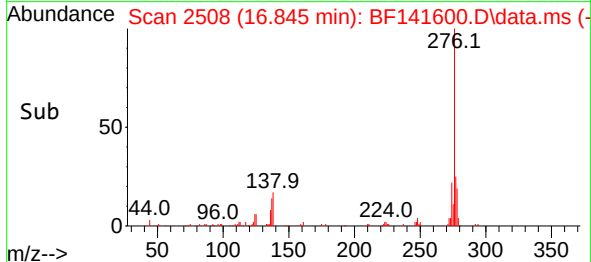
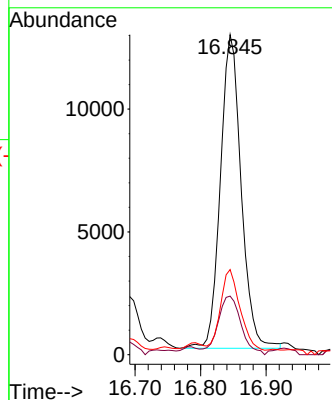
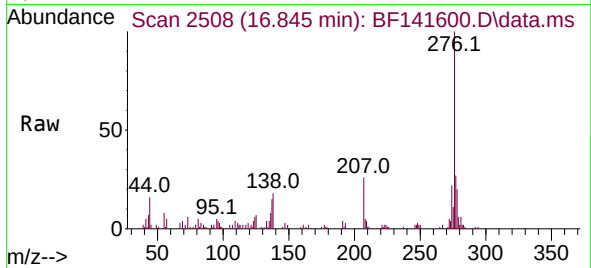
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.738 ng
RT: 16.845 min Scan# 2193
Delta R.T. -0.029 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Instrument :
BNA_F
ClientSampleId :
WC-7

Tgt Ion:276 Resp: 2808
Ion Ratio Lower Upper
276 100
138 20.8 18.0 27.0
277 24.4 20.4 30.6

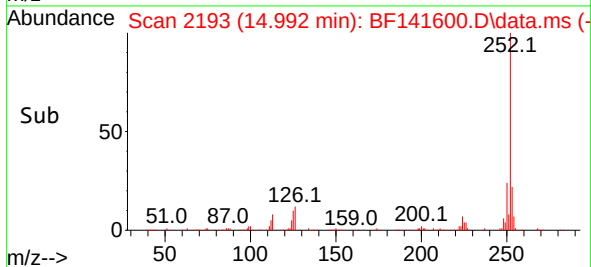
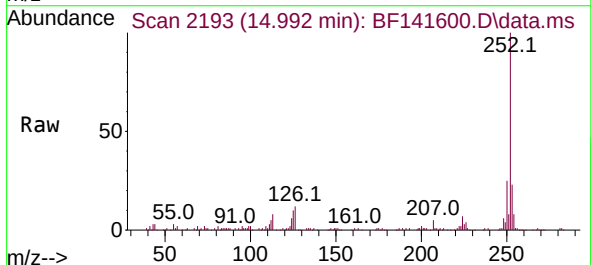
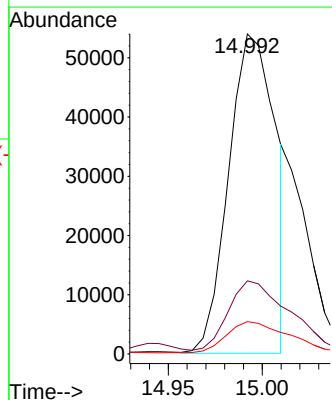
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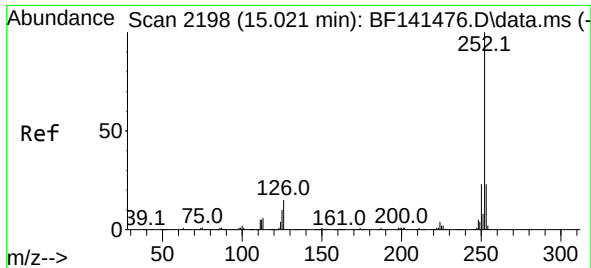
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#88
Benzo(b)fluoranthene
Concen: 8.385 ng m
RT: 14.992 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Tgt Ion:252 Resp: 93465
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.1 7.0 10.6





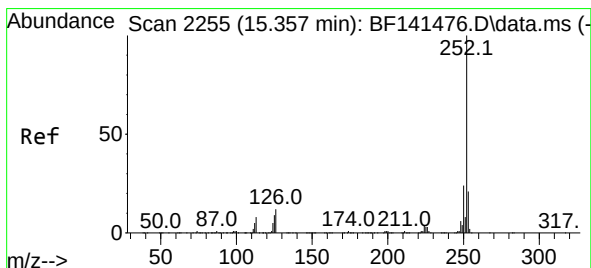
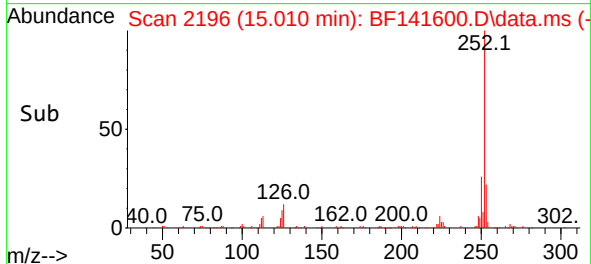
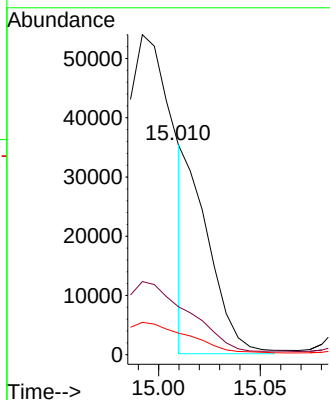
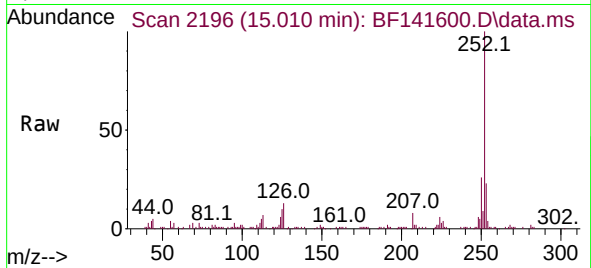
#89
Benzo(k)fluoranthene
Concen: 3.033 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

Instrument :
BNA_F
ClientSampleId :
WC-7

Tgt Ion:252 Resp: 28864
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 10.3 7.4 11.0

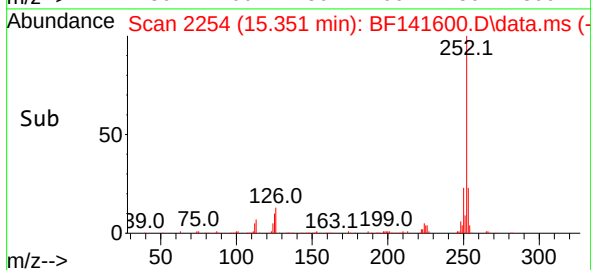
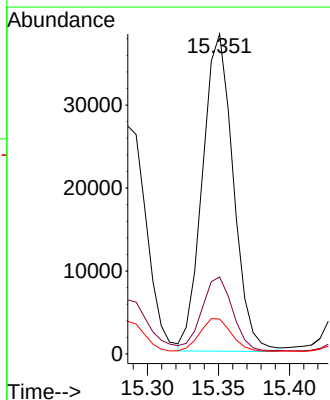
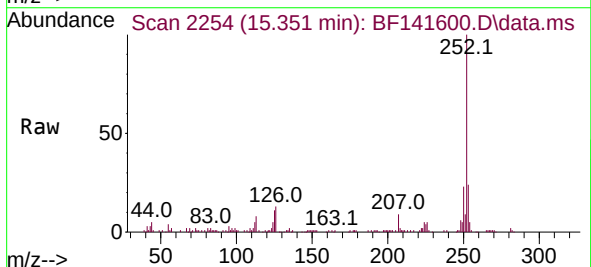
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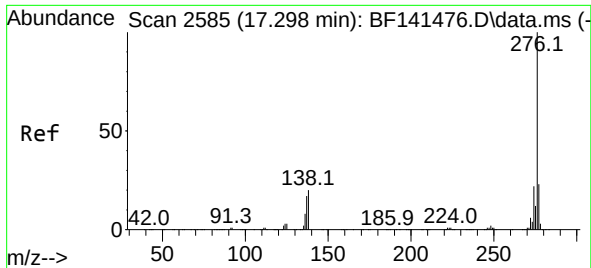
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#90
Benzo(a)pyrene
Concen: 6.401 ng
RT: 15.351 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF141600.D
Acq: 12 Feb 2025 19:38

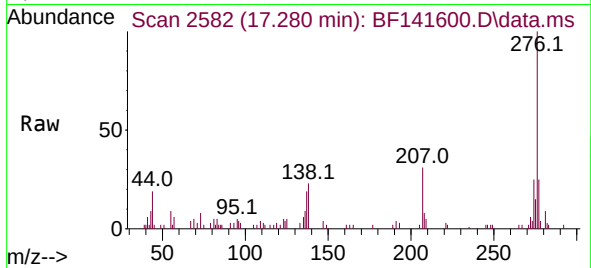
Tgt Ion:252 Resp: 57730
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 10.9 7.4 11.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.866 ng
 RT: 17.280 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141600.D
 Acq: 12 Feb 2025 19:38

Instrument :
 BNA_F
 ClientSampleId :
 WC-7



Tgt Ion: 276 Resp: 24929
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.6 28.0
 138 22.9 15.9 23.9

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Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025

